

EUNL2000  
EUROPEAN UTILITY NEWSLETTER 1-2000

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*                               Deadline: 20th of the month!!!                *
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Hi gentlemen,

Here we are with another edition of our Utility journal, the first in the new year 2000. I really hope your computer has no problems with the y2k and everything is running quite well. A nice input this month (as usual a very fine work by you through the years!!!) and we have 16 pages in the internet version. I wish you all a very good year 2000. Take care!

N D B

255	1015	NUA	Casablanca/Mohamed V	MRC	id	moE
265	1015	OO	Oran/Es Senia	ALG	id+tone	moE
267	0812	CNZ	Marrakech/Menara	MRC	id	moE
268	2122	ZAR	Zarzaitine/In Amenas	ALG	id+tone	moE
270	0001	FLO	Flores	AZR	id	moE
274	0003	SAL	Sal/Amilcar Cabral Intl	CPV	id+tone	moE
275	0813	CAE	Ben Slimane	MRC	id	moE
276	0434	YHR	Chevery PQ	CAN	id+tone	moE
282	0814	NSR	Casablanca/Mohamed V	MRC	id	moE
284	2048	AM	Almería	E	id	moE
284	1016	OSR	UNID	?	id	moE
284,5	0137	DY	Düsseldorf	D	id	pt53
285	1329	GR	Granada	E	id	moE
286,5	0230	FI	Punta de Cala Figuera	E	id+tone	mo76
288,5	0235	UD	Cabo salou	E	id+tone	mo76
290	2042	TR	Tirana/Rinas	ALB	id	moE
290	2014	ONL	Liege	BEL	id	pt53
290,5	1950	VI	Cabo Villano Lt.	E	2 x id + 45 sec. Dash	pt53
291	0240	SN	Cabo San Sebastián	E	id+tone	mo76
291	1036	WS	Grenoble/St. Geoirs	F	id+tone	moF
292	2019	NKR	Neckar	D	id	pt53
292	2126	BRB	Barcial del Barco	E	id	moE
292	0704	MLL	Melilla	MEL	id	moE
293	2020	OB	Brussel-Zaveltem	BEL	id + tone	pt53
295,5	1642	EM	Etamps/Mondesir	F	id + dash	pt53
297	0825	B	Cabo Trafalgar	E	id+tone	moE
297	0244	GA	Gap/Tallard	F	id+tone	mo76
300	2129	ZMR	Zamora	E	id	moE
303	2026	RTT	Rattenburg/Zimmermoos	AUT	id	pt53
305,5	0441	VR	Vila Real de San António	POR	id	moE
307,5	2038	PA	Palma/Son San Juan	E	id	moE
308	2239	MOJ	Mojkovac	YUG	id+tone	mo76
310	0709	AMN	Almería	E	id	moE
310	0017	LZ	Lanzarote	CNR	id+tone	moE
311	0712	CE	Ceuta/Dique de Poniente	CEU	id+tone	moE
312	0839	SP	Cap Spartel	MRC	id+tone	moE
315	0442	FEZ	Fes/Saïss	MRC	id	moE
315	1429	MIL	Millau/Larzac	F	id+tone	moF
317	0515	VS	Valenciennes/Denain	F	id + tone	pt53
317	2154	PPD	Poprad/Tatry	SVK	id	mo76
317	????	VS	Valenciennes/Denain	F	id+tone	mo76

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318	2042	ETV	UNID	?	id+tone	moE
318	2039	MAD	Funchal	MDR	id	moE
319	2032	ECV	Colmenar Viejo	E	id	moE
319	2206	VAR	Stavanger/Sole	NOR	id	lvCZ
320	2301	BBS	Beni Abbes	ALG	id	moE
320	1119	VE	Valence/Chabeuil	F	id+tone	moF
321	2136	ABT	Albacete	E	id	moE
322	0708	MIO	Montijo	POR	id	moE
323	0005	SMA	Santa Maria	AZR	id	moE
325	2306	AVS	Asturias	E	id	moE
327	0706	EEC	Sevilla/El Copero	E	id	moE
328	2102	KAM	Ljubljana/Brnik/Dolsko	SVN	id+tone	mo76
328	1033	ORG	Orange/Caritat	F	id+tone	moF
329	2029	NS	Niort/Souché	F	id+tone	moE
330	2022	AI	Alicante	E	id	moE
330	1430	G	Gerona	E	id	moF
330	2309	LEN	León	E	id	moE
330	2137	RMA	Málaga	E	id	moE
331	0130	NMN	Mendig	D	id + 2 tones	pt53
332	0815	SBI	Rabat/Sale	MRC	id	moE
334	0529	HDM	Coleman	D	id	pt53
334	1238	SAL	Salon de Provence	F	id+tone	moF
335	2140	L	Madrid/Getafe	E	id	moE
336	2027	MTL	Monte Real	POR	id	moE
337	0017	ZL	Maastricht	HOL	id	pt53
338	0901	PST	Porto Santo	MDR	id	moE
339	1200	FG	Montpellier/Fréjorgues	F	id+tone	moF
339	2052	TDF	Tindouf	ALG	id+tone	moE
340	2053	ADR	Adrar/Touat	ALG	id+tone	moE
340	2031	PND	Valencia	E	id	moE
341	0116	LAU	Lichtenau	D	id	pt53
341	2025	TCS	Tancos	POR	id	moE
342	0701	RG	Meknes/Bassatine	MRC	id	moE
342	2033	VLD	Valladolid	E	id	moE
344	1333	ARM	Armillá	E	id	moE
344	1032	TR	Villefranche/Tarare	F	id+tone	moF
344	2327	HEK	Heka/Helsinki	FIN	id	lvCZ
345	1008	ATR	Murcia/Alcantarilla	E	id	moE
345	1428	CS	Carcassonne/Salvaza	F	id+tone	moF
345	0700	CSD	Daouarat	MRC	id	moE
346	0652	HIJ	Hinojosa del Duque	E	id	moE
346	1021	TLM	Tlemcen/Zenata	ALG	id+tone	moE
348	2037	ZZA	Zaragoza	E	id	moE
348,5	0000	LG	Liege-Bierset	BEL	id	pt53
350	0653	GM	Málaga	E	id	moE
350	0008	PM	Gran Canaria/Las Palmas	CNR	id	moE
350	0045	SMA	Somosierra	E	id	moE
351	1427	PL	Perpignan/Rivesaltes	F	id+tone	moF
353	2326	KRW	Krakow	POL	id	lvCZ
354	1918	MTZ	Metz	F	id + tone	pt53
354	0459	ARW	UNID	?	id	moE
354	day	RW	UNID	?	id	moE
356,5	2147	OU	Ouargla	ALG	id+tone	moE
357	2242	KVR	Kavouri	GRC	id	pt53
357	0215	BGS	Burgos	E	id	moE
357	2020	KVR	Athens Central/Kavouri	GRC	id	moE
357,5	2241	FAL	Ancona/Falconara	I	id	pt53
358	0500	BRG	Bragança	POR	id	moE
358	2049	BRS	Biscarrosse/Parentis	F	id+tone	moE
358	2040	TAM	Tamanrasset/Aguenar	ALG	id+tone	moE
359	0654	CA	Cascais	POR	id	moE
360	2042	ASN	Ascension Island	ASC	id	moE
360	0450	COV	Covilha	POR	id	moE
360	0622	HT	Horta	AZR	id	moE
360,5	2048	MAK	Mackel	BEL	id + tone	pt53
364	0446	GRU	Grudziadz/Lisiekaty	POL	id	mo76
365	0008	VR	Gran Canaria/Las Palmas	CNR	id	moE
366	0656	COR	Córdoba	E	id	moE

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366,5	2252	BER	Bern-Belpe	SUI	id	lvCZ+pt53
367	0452	PG	Porto	POR	id	moE
367,5	2025	PNZ	Ponza	I	id	moE
368,5	1944	ELU	Luxembourg	LUX	id	pt53
369	1203	CM	Avignon/Caumont	F	id+tone	moF
370	1946	PSN	Spessart	D	id	pt53
370	0738	BSV	Besançon/La Vèze	F	id+tone	moF
370	1009	O	Murcia/San Javier	E	id	moE
370	2025	SMR	Algiers/Semmar	ALG	id	moE
371	0816	CNU	Oujda/Angads	MRC	id	moE
371	0022	MGL	Ponta Delgada	AZR	id	moE
371	0658	STR	Sintra	POR	id	moE
373	1737	NW	Maastricht	HOL	id	pt53
373	2322	KEM	Kemmi / Tornio	FNL	id	lvCZ
374	2025	TAN	Tangier/Ibn Batouta	MRC	id	moE
374,5	1737	ANC	Ancona	I	id	pt53
375	2047	CMA	Calamocha	E	id	moE
375	0221	MEA	El Golea	ALG	id	moE
375,5	2242	MGV	Camp McGovern Army HP	BIH	id	mo76
376	0845	BJA	Beja	POR	id+tone	moE
376	0554	HR	Hierro	CNR	id	moE
377	2037	MGB	Moenchengladbach	D	id + 2 tones	pt53
379	1034	EB	St. Etienne/Bouthéon	F	id+tone	moF
380	2153	CCS	Cáceres	E	id	moE
380	0817	CNL	Kenitra	MRC	id	moE
380	0624	FIL	Horta	AZR	id	moE
380	2212	KN	Belgrade/Krnjesevci	YUG	id	mo76
383	1432	MAR	Marseille/Provence	F	id+tone	moF
383,5	2243	GUL	Guľpen	HOL	id	pt53
385	2215	BO	Zadar/Bokanjac	HRV	id	mo76
386	2034	EBT	Bétera	E	id	moE
386,5	0056	SLV	Spa/La Sauveniere	BEL	id	pt53
388	????	LOU	Metz/Nancy Lorraine	F	id+tone	mo76
388	0818	TUN	Tetouan/Sania Ramel	MRC	id	moE
389	0040	BV	La Palma	CNR	id	moE
389	0921	KNT	UNID	?	id	moE
391	2321	DDP	San Juan/Dorado	PTR	id	moE
395	2110	OB	Marseille/Provence/Obane	F	id+tone	mo76
395	0230	SFI	Safi	MRC	id	moE
396	0506	AI	UNID(tent. ex AI-396 Aveiro/	POR)	? id	moE
396	0042	ALS	Agadir/Al Massira	MRC	id	moE
397	1848	EHN	Eindhoven	HOL	id	pt53
397	0226	CHE	Cherchell	ALG	id	moE
397	0601	FV	Fuerteventura	CNR	id	moE
397	2222	ZR	Beziers/Vias	F	id+tone	mo76
398	2114	D	Nýrany	CZE	id	mo76
398	0819	TBR	Tangier/Ibn Batouta	MRC	id	moE
399	1948	WBD	Wiesbaden	D	id	pt53
400	2032	B	Valencia	E	id	moE
401	0939	ALU	Al Hoceima	MRC	id	moE
401	1012	LO	Lisbon/Caparica	POR	id	moE
402	2032	AML	Agadir/Al Massira	MRC	id	moE
402	2046	CAR	Carbonara	I	id	moE
402	2224	DA	Ales/Deaux	F	id+tone	mo76
403	2201	TEST	UNID	?	id	mo76
404	0240	LRD	Lérida	E	id	moE
405	1930	GRW	Grafenwohr	D	id	lvCZ
406	2354	GRO	Grosseto	I	id	pt53
406,5	0544	BOT	Bottrop	D	id	pt53
408	1950	BRK	Wien/Schwechat/Bruck	AUT	id	pt53
408	0647	BF	UNID	?	id	moE
408	2231	MZL	Mizil	ROU	id	mo76
409	0511	CZE	Czempin	POL	id	mo76
409	0512	DGO	Domingo	E	id	mo76
409	1853	MRA	Mragowo	POL	id	mo76
410	2206	MBP	Marseille/Mirabeau	F	id+tone	mo76
410	0011	TX	Tenerife Norte	CNR	id	moE
412	1327	GRA	Granada	E	id	moE

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412	2047	SIG	Catania/Sigonella	I	id	moE
413	2334	MCH	Mecheria	ALG	id+tone	moE
413	1926	DLS	Berlin/Tege1	D	id	1vCZ
415	1022	ON	Oran/Es Senia	ALG	id+tone	moE
416	2217	POZ	Belgrade/Pozeravac	YUG	id	1vCZ
417	1926	LI	Düsseldorf	D	id	pt53
418	1010	BLN	Bailén	E	id	moE
418	2112	DVN	Split/drvenik	HRV	id	1vCZ
420	1929	INN	Innsbruck/Igls	AUT	id	pt53
420	1009	SPP	Sevilla	E	id	moE
423	1327	BOR	Bourg/Ceyzériat	F	id+tone	moF
423	2200	SCA	Salamanca	E	id	moE
424	1023	GRS	Ghriss	ALG	id+tone	moE
424	1922	PIS	Zagreb/Pisarovica	HRV	id + ton	1vCZ
426	2022	CB	Coimbra	POR	id	moE
426	2202	TJA	Madrid/Torrejón de Ardoze	E	id	moE
428	0626	GC	Graciosa	AZR	id	moE
428	day	MFN	Morón de la Frontera	E	id	moE
428	2205	TGM	Tirgu/Mures	ROU	id	1vCZ
429	1010	ALT	Alicante	E	id	moE
429	2220	GBL	Giebelstadt	D	id	1vCZ
430	1343	SN	St. Yan	F	id+tone	moF
432	2038	CNR	Colmenar Viejo	E	id	moE
433	1013	JRZ	Jerez	E	id	moE
433	0941	SR	UNID	?	id	moE
433	0502	VON	Vigo	E	id	moE
440	2350	PIA	Piacenza/St.Damiano	I	id	pt53
468	0158	FTZ	Fritzlar	D	id + 2 tones	pt53
468	1627	VTN	Kraljevo	YUG	id+tone	mo76
469a	0022	ZU	UNID	?	id + tone	pt53
470	2109	PRD	Peyrehorade	F	id+tone	mo76
473	2220	RZE	Rzeszow	POL	id	1vCZ
482	2225	SWH	Schwabisch Hall	D	id	1vCZ
488	0501	TFR	UNID (tent. Oran/Tafaraoui/ALG)	?	id	moE
488	day	FR	UNID (tent. Oran/Tafaraoui/ALG)	?	id	moE
490	2053	KO	Koshany	UKR	id	mo76
490	2052	TFR	UNID	?	id	mo76
490	2052	WAK	Vakarel	BUL	id	mo76
493	1615	CC	UNID	?	id+tone	mo76
511	2059	HKI	Hassi khebi	ALG	id+tone	moE
517	2230	ARD	Arad	ROU	id	pt53
525	2237	PL	St. Petersburg	RUS	2x id	1vCZ
718	1624	SL	Soloviivka	UKR	id	mo76
770	1627	LR	Kraków/Balice	POL	id	mo76

## F I X E D

3485	0046		Mossad	ISR	am-vmf E 'CIO2'	a1EU
3195	2300	R	Ny Ustinov	RUS	CW channel marker	abNL
3476	2041	REA4	Russian Airforce	RUS	CW 5FGs	abNL
3768,5	0827	FDC	AF Metz	F	cw-vvv	pt53
3881	0840	FAV22	FF Mons-Valerien	F	cw-txt//6825	pt53
3886,5	0702	AEM1ME	MARS	D	LSB,E,ID	pt53
3886,5	0711	AEM1AT	MARS	D	LSB,E,ID	pt53
4004	2307	VLDR	Czech military	CZE	CW wkg J7VT, msg to 181	abNL
4395,6	2316	FCQR	Slovak mil Zilinia	SVK	CW FCQR = A7KG + msg	abNL
5000	1213	426	unid BEL/NLD Military	?	usb-wkg 437 in Dutch	a1EU
5023	1520	IDR	INy Rome	I	usb-wkg IABJ	a1EU
5038,5	1030	ROUNDUP	unid NATO/GER? Mil.	?	usb-EE wkg V2P	a1EU
5043	1153	SM7F	unid French Military	F	usb-FF/EE wkg 7EAQ, N9Q2	a1EU
5075	1450	JR4I	unid Italian Military	I	usb-II, wkg unid	a1EU
5086	1328	BANDBOX	AF CRC Nieuw-Milligen	HOL	usb-wkg NW, tracking infos	a1EU
5086	1332	3ES	unid NATO	?	usb-wkg OWY	a1EU
5091,5	2293		unid Number Station	?	cw-marker '242'	a1EU
5135	0610		Praha, unid network	CZE	usb-wkg unid, id. HELP !	a1EU
5175	1110		US Intelligence	D?	am-vmf E: 1234567890 567x3	a1EU
5232,5	1320	RJU56	unid	RUS	cw-clg RIO96	a1EU
5240	1328	4MDE	unid Italian Army	I	usb-wkg unid	a1EU

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5245	1955	MRN01	RAF ATC Cumbria & N'Lancashire wing HQ, G	usb-w/MRL55	aLEU
5245	1955	MRL55	RAF ATC 1083 Sq. Uxbridge, London	G usb-wkg MRN01	aLEU
5258	1018	DPQT	unid Czech (MOI?)	CZE cw-5 FGS, cfm-tfc	aLEU
5294,5	1528	FAG20	FA Metz (id: GOLF 20)	F usb-clg unid GOLF	aLEU
5308,5	0705	FAC20	unid French Army	F usb-wkg CHARLY 70 (=FAC70)	aLEU
5310	0925	SB0	unid French Military	F usb-wkg G3 fr r/c	aLEU
5311	0920	SB0	unid French Military	F cw-clg G3, into SSB/5310	aLEU
5319	0901	F8DL	unid Central European	? cw-5LGS QTC in CEST to NJ2Pa	aLEU
5325	1910	P29D	Combined Cadet Forces	G usb-wkg L97_, private chats	aLEU
5325	1531	S4TL	unid	? cw-clg WB2V	aLEU
5328	1905	P29D	Combined Cadet Forces	G usb-wkg L97_, QSY 3 down	aLEU
5340	1331		unid Number Station	RUS?usb-YL/EE, 2x5 FGS	aLEU
5351,5	1828	FDI8	AF Nice	F cw-vvv	pt53
5353,5	1203	FAQ20	FA Lyon (id: Q20)	F usb-clg unid QUEBEC	aLEU
5355,5	1623	VSX	unid Dutch Army	HOL usb-wkg PWM/UEL, RTTY-coord	aLEU
5356	1753		unid	? usb-simplex, Arab	aLEU
5372	1458	ABMK	unid	? cw-wkg J12C, PGAN fr r/c	aLEU
5387	1413	FDI22	AF Narbonne	F cw-vvv	aLEU
5402	1842	L9CC	unid	? cw-clg marker	aLEU
5413,5	0918	GX	unid UK RNY Vessel	IW usb-short test/ID	aLEU
5416	0920	GX	unid UK RNY Vessel	IW cw-V's, QSY RTTY fm 5414.7	aLEU
5417	0927	GX	unid UK RNY Vessel	IW cw-V's, QSY RTTY to 5415.1	aLEU
5710,5	0329		unid, South American	? LSB-military styled tfc	aLEU
5735	1029	MIKE 30	unid NATO/Eur Military	? usb-wkg E44, w10D	aLEU
5798,5	1340	WCP	unid Dutch Military	HOL usb-clg PGT in Dutch/EE	aLEU
5836	1150	1WAV	unid Bundeswehr/AF ?	D usb-wkg SRL5, coord.fr Dataa	aLEU
5836	1036	DHO24	unid GAF? Base	D usb-wkg 1WAV, coord.fr Dataa	aLEU
5836	1155	LOEWE	unid Bundeswehr	D usb-wkg PUMA, only r/c's	aLEU
6825	0849	FAV22	FA Mont-Valerien	F cw-txt, 0850 cq, out//3881	pt53
6873,5	1053	ICS	Ny La Spezia	I usb-wkg RU	aLEU
6880	1557	DORIA	Ny Brindisi	I usb-wkg TAVOLA 6	aLEU
6950	1117		unid Russian (Mil.?)	RUS?usb-simplex	aLEU
6991,5	1855	50T2	PC Zaragoza Prov.	E usb-wkg 50T7/m, 50T7, 50T4	aLEU
6996	0933	AEM1AM	Unid USAF MARS	D LSB wkg AEM1AT and AEM1WNL	abNL
7871,7	0935	LN2A	PTT Oslo	NOR cw-ID + signal	pt53
13555	1400	E05	Counting station	? USB id 340	abNL
13927	2222	AFA2XZ	MARS Salt Spring, FL	USA USB,E,clg Station for r/ch	pt53
31100	1642	KLJ258	Greece Central	USA CW id	js38
33700	1624	KNNQ761	Stoystown VFD	USA	js38

PC: Proteccion Civil/Spanish Civil Defence

## M A R I T I M E

18	2130	VTX3	Ny Viskahapatnam	IND cw-cq	1vcZ
518	0203		Navtex Istanbul	TUR NA 3, St. D	rbCH
518	0233		Navtex Antalya	TUR NA 3, St. F	rbCH
518	2103		Navtex Cullercoats	G NA 1, St. G	rbCH
518	2139		Navtex Niton	G NA 1, St. K	rbCH
518	2159		Navtex (Channel)	G? NA 1, St. W	rbCH
518	2220		Navtex Malta	MLT NA 3, St. O	rbCH
518	2229		Navtex Netherlands	HOL NA 1, St. P	rbCH
518	2238		Navtex Split	HRV NA 3, St. Q	rbCH
518	2248		Navtex Monsanto	POR NA 2, St. R	rbCH
518	2258		Navtex Niton	G NA 1, St. S	rbCH
518	2301		Navtex Oostende	BEL NA 1, St. T	rbCH
518	2315		Navtex La Garde	F NA 3, St. W	rbCH
518	2348		Navtex Cabo La Nao	E NA 3, St. X	rbCH
518	0009		Navtex Corsen	F NA 2, St. A	rbCH
518	0104		Navtex Gislovshammer	G NA 1, St. J	rbCH
518	0147		Navtex Rogoland	S NA 1, St. L	rbCH
518	0158		Navtex Oostende	BEL NA 1, St. M	rbCH
518	0138		Navtex Kerkyra	GRC NA 3, St. K	rbCH
518	0149		Navtex Limnos	GRC NA 3, St. L	rbCH
518	0226		Navtex Portpatrick	G NA 1, St. O	rbCH
518	0102		Navtex Tarifa	E NA 2, St. G	rbCH
518	0110		Navtex Iraklion	GRC NA 3, St. H	rbCH
518	0239		Navtex Odessa	UKR NA 3, St. C	rbCH
518	0129		Navtex Varna	BUL NA 3, St. J	rbCH

## EUNL2000

1656	0534	Chipiona R.	E USB,E/S,ID, tfc-list	pt53
1704	2108	OXZ Lyngby R.	DNK USB,E/Dan.,gale warning	pt53
1728	1735	LGN Bergen R.	NOR USB,E/Norw.,nav. warning	pt53
1743	2115	Stornoway CG	G USB,E,wx	pt53
1752	2034	EJK Valentia R.	IRL USB,E,wx	pt53
1782	1703	LFO Orlandet R.	NOR USB,E/Norw.,wx	pt53
1792	1805	7TA Algiers R.	ALG USB,F,ann	pt53
1794	0234	SPO Szczecin R.	POL USB,E,nav. warning	pt53
1856	2341	GND Stonehaven R.	G USB,E,wkg GWGE	pt53
2182	1805	7TA Alger R.	ALG USB,F,QSY 1792	pt53
2182	1834	OSU Oostende R.	BEL USB,E,QSY 2761	pt53
2182	1743	OXZ Lyngby R.	DNK USB,E,QSY 1734,1704,1758,2	pt53
2182	1706	EAO Palma R.	E USB,E/S QSY 1755	pt53
2182	1835	Cross Corsen	F USB,F,QSY	pt53
2182	0408	Aberdeen CG	G USB,E,QSY 2226	pt53
2182	1541	Humber CG	G USB,E,QSY 2226	pt53
2182	2340	GND Stonehaven R.	G USB,E,wkg GWGE	pt53
2182	1945	IAR Rome R.	I USB,E/I,QSY 1888	pt53
2182	1933	ICB Genova R.	I USB,E/I,QSY 2642,1925	pt53
2182	2012	IDC Cagliari R.	I USB,E/I,QSY	pt53
2182	1939	IQX Trieste R.	I USB,E/I,QSY 1855,2624,2656	pt53
2182	2033	EJK Valentia R.	IRL USB,E,QSY 1752	pt53
2182	1703	LFO Orlandet R.	NOR USB,E/Norw.,QSY 1782	pt53
2182	1735	LGN Bergen R.	NOR USB,E/norw.,QSY 1728	pt53
2182	1933	LGQ Rogaland R.	NOR USB,E/norw.,QSY	pt53
2182	1933	SPH Gdynia R.	POL USB,E/POL,QSY 1692	pt53
2182	0233	SPO Szczecin R.	POL USB,E/Poł.,QSY 1794	pt53
2182	1932	SDJ Stockholm R.	S USB,E,QSY	pt53
2182	0637	Holyhead CG	G YL,E QSY 1880,OM E gale wngmo76	mo76
2182	0637	LXGB MV Rapide	IW OM E wkg Oostende R	mo76
2182	2044	Yarmouth CG	G OM E PAN PAN msgs	mo76
2182	2148	J8VE6 MV Superba	IW OM E wkg MRCC Etel	mo76
2182	2152	GDVA MV Ixkote	IW OM E clg Valencia R.	mo76
2226	0409	Aberdeen Coastguard	G USB,E,nav. warning	pt53
2226	1543	Humber Coastguard	G USB,E,wx	pt53
2586	1744	OXZ Lyngby R.	DNK USB,E,nav. warning	pt53
2643	2040	A9M Bahrain R.	BHR cw+SITOR	lvCZ
2680	2042	4XZ Ny Haifa	ISR cw-vvv cq	lvCZ
2761	1838	OSU Oostende R.	BEL USB,E/Dutch,nav. warn.	pt53
2829	2045	SPB Witowo R.	POL cw+SITOR	lvCZ
3678	2121	SXA32 Ny Kriti	GRC cw-vvv	pt53
4210,5	0248	IAR Rome R.	I cw-iar + SITOR	pt53
4210,5	1932	ESA Tallinn R.	EST cw-esa + SITOR	pt53
4210,5	1936	A9M Bahrein R.	BHR cw-a9mtlx + SITOR	pt53
4211	1933	GKE2 Portishead R.	G cw-gke + SITOR	pt53
4215,5	1939	OXZ Lyngby R.	DNK cw-oxz + SITOR	pt53
4216	1940	TAH Istanbul R.	TUR cw-tah + SITOR	pt53
4216,5	0250	IAR Rom R.	I cw-iar + SITOR	pt53
4218	1943	OST28 Ostende R.	BEL cw-ost + SITOR	pt53
4219	1944	TAH Istanbul R.	TUR cw-tah + SITOR	pt53
4241	1952	4XZ Ny Haifa	ISR cw-vvv	pt53
4241	1949	LGW Rogaland R.	NOR cw-cq de lgw lgb lgj lgx	pt53
4245	2002	UFN Novorrossisk R.	RUS cw-de ufn,msg	pt53
4253	1953	TAH Istanbul R.	TUR cw-cq de tah qsx	pt53
4259	1955	SAB Göteborg R.	S cw-sab + SITOR	pt53
4262	1956	LFI Rogaland R.	NOR cw-lfi + SITOR	pt53
4268	2000	VTG4 Ny Bombay	IND cw-vvv very weak	pt53
4273	2015	SAA Karlskrona R.	S cw-cq qsx	pt53
4274	2007	GKB2 Portishead R.	G cw-de gkb qsx	pt53
4292	2208	IAR24 Roma R.	I cw-vvv	pt53
4294	2024	SXA34 Ny Spata Attikis	GRC cw-vvv de sxa 34	pt53
4314	0303	LZW Varna R.	BUL cw-de lzw 26	pt53
4320	2025	IAR4 Roma R.	I cw-vvv de iar	pt53
4331	2026	4XZ Ny Haifa	ISR cw-vvv	pt53
4346	2027	9AR Rijeka R.	HRV cw-vvv 2/3/7	pt53
4350	2028	TBB5 Ny	TUR cw-vvv tbdj de tbb	pt53
4357	2031	YLQ Riga R.	LVA USB,E,Vn,Ru,QRGs //13086	pt53
4363	2145	3AC Monaco R.	MCO USB voice mirror + music	abNL

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5023	1520	IABJ	Ny Vessel	IW	usb-wkg IDR	aLEU
6316	0041	UFN	Novorossisk R.	RUS	cw-ufn + SITOR	pt53
6316	0040	NMN	USCG Camslant	USA	cw-nmn + SITOR	pt53
6322	0043	OST	Ostende R.	BEL	cw-ost + SITOR	pt53
6324	2246	WCC	Chatham R.	USA	cw-vct/wcc + S	pt53
6326,5	2249	SAB326	Göteborg R.	S	cw-sab + SITOR	pt53
6327,5	2250	UAT	Moskau R.	RUS	cw-de uat + SITOR	pt53
6329,5	2251	VCT	Tors Cove R.	CAN	cw-vct + SITOR	pt53
6330	2252	LZW	Varna R.	BUL	cw-de lzw lzw	pt53
6330,5	2252	8PO	Barbados R.	BRB	cw-8PO + SITOR	pt53
6379	2255	4XZ	Ny Haifa	ISR	cw-vvv only	pt53
6388	2257	AQP4	Ny Karachi	PAK	cw-vvv de aqp 3/4/5/6	pt53
6519	0104	WLO	Mobile R.	USA	USB,E,wx //8806	pt53
6815	0639	ICI	CG Roma	I	OM It/E .. this is ICI	mo76
6815	0639		RCC Malta	MLT	OM It r/c with ICI	mo76
6873,5	1054	IAEQ	Ny Vessel Aviere	IW	usb-wkg ICS	aLEU
6997	1042	IAFM	Ny Vessel Mimbelli	IW	usb-wkg IADP	aLEU
7865	0941	SPW	Warszawa R.	POL	USB,Id,fv	pt53
8417	2242	GKE4	Portishead R.	G	cw-gke 4 + SITOR	pt53
8417,5	2242	XSV	Tianjin R.	CHN	cw-xsv + SITOR	pt53
8419	1931	VIP33	Perth R.	AUS	SITOR/A tlx/cw mkr	pcG
8419,5	1935	PPR	Rio Janerio R.	B	SITOR/A tlx/cw mkr	pcG
8419,5	2242	PPR	Rio R.	B	cw-ppr + SITOR	pt53
8422,5	1317	USU	Mariupul R.	UKR	cw-usu + SITOR	pt53
8423,5	1318	ESA	Tallinn R.	EST	cw-de esa + SITOR	pt53
8425,5	1315	HEC28	Bern R.	SUI	cw-hec + SITOR	pt53
8427	0949	OXZ	Lyngby R.	DNK	cw-oxzo + SITOR	pt53
8427,5	0610	SPA46	Gdynia R.	POL	cw-spa + SITOR	pt53
8428	0609	NMN	USCG Camslant	USA	cw-nmn + SITOR	pt53
8429,5	0611	NMO	USCG Honolulu	HWI	cw-nmo + SITOR	pt53
8451	1543	UBF2	St. Petersburg R.	RUS	cw-cq de ubf 2 qsx	pt53
8457	1550	OFJ	Helsinki R.	FNL	cw-ofj qsx	pt53
8505	0907	UFZ	Vladivostok R.	RUS	CW CQ marker	abNL
8624	1756	XSQ	Guangzhou R.	CHN	cw-cq	pt53
8650	0948	SPE	Szczecin R.	POL	cw-de spe 42/61 qsx	pt53
8683,5	0009	LFI	Rogaland R.	NOR	cw-lfi + SITOR	pt53
8698	0005	7TF6	Boufarik R.	ALG	cw-cq	pt53
8700	2303	9AR	Rijeka R.	HRV	cw-vvv	pt53
8706,4	0934	USI	UNID	?	cw-de usi,txt	pt53
8725	1005	EHY	Madrid R.	E	USB,S/E tfc-list	pt53
8728	1905	3AC8	Monaco R.	MCO	USB,E/F ID	pt53
8734	0343	SVN42	Athens R.	GRC	USB,Greek,ann //8743	pt53
8737	0004	5BA	Cyprus R.	CYP	USB,E/Greek,ID,tape	pt53
8743	0344	SVN44	Athinai R.	GRC	USB,Greek,ann //8734	pt53
8749	2307	LFL7	Rogaland R.	NOR	USB,E/norw.,wx,ID	pt53
8752	1731	YLQ	Riga R.	LVA	USB,E,Vn,Ru QRGs//13086	pt53
8764	2200	NMN	USCG Camslant	USA	USB,E,wx	pt53
8797	1909		UNID	?	USB,song of joy,no ID	pt53
8806	0036	WLO	Mobile R.	USA	USB,E,wx	pt53
10046	1257	4XZ	Ny Haifa	ISR	cw-vvv	pt53
10192,5	0844	DRAT	FGS Emden	IW	OM E wkg DHJ59	mo76
10722	1454	DRHF	FGS Alster	IW	OM E wkg DHJ59	mo76
12581,5	0425	LSD836	Buenos Aires R.	ARG	cw-Sitor LSD836	dsCE
12587,5	1125	VRX	Hongkong R.	CHN	cw-Sitor VRX	dsCE
12590	0402	NMO	USCG Honolulu	HWA	cw-Sitor NMO	dsCE
12590,5	0406	KLB	Seattle R.	USA	cw-Sitor KLB	dsCE
12591	1126	NMO	USCG Honolulu	HWA	cw-Sitor NMO	dsCE
12592	1127	9VG	Singapore R.	SNG	cw-Sitor 9VG	dsCE
12592,5	0408	NMN	Camslant Chesapeake	USA	cw-Sitor NMN	dsCE
12592,5	1128	UJE	Nizhnij-Novgorod R.	RUS	cw-Sitor De UJE	dsCE
12593,5	1132	UFL	Vladivostok R.	RUS	cw-Sitor De UFL	dsCE
12594,5	0158	NMN	Camslant Chesapeake	USA	cw-Sitor NMN	dsCE
12596	1135	PPR	Rio De Janeiro R.	B	cw-Sitor PPR	dsCE
12598	0411	WCC	Chatham R.	USA	cw-Sitor WCC	dsCE
12598	0411	UFN	Kyxx Novorossiisk R.	RUS	cw-Sitor UFN	dsCE
12599,5	0159	UFN	Novorossiisk	RUS	cw-Sitor De UFN	dsCE
12601,5	0209	UAT	Moskow R.	RUS	cw-Sitor De UAT	dsCE
12602,5	0214	HEC	Berna R.	SUI	cw-Sitor HEC	dsCE

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12602,5	0416	IAR	Roma R.	I	cw IAR	dsCE
12602,5	0416	KFS	San Francisco R.	USA	cw-Sitor KFS	dsCE
12602,5	1136	HEC	Berna R.	SUI	cw-Sitor HEC	dsCE
12603,5	0215	OXZ	Lyngby R.	DNK	cw-Sitor OXZ	dsCE
12603,5	0420	SVS	Athens R.	GRC	cw de SVS (Raya Larga)	dsCE
12604	0216	UFN	Novorossiisk	RUS	cw-Sitor UFN	dsCE
12604	1137	IAR	Roma R.	I	cw-Sitor IAR	dsCE
12604,5	0217	KFS	San Francisco R.	USA	cw-Sitor KFS	dsCE
12611,5	0220	WLO	Mobile R.	USA	cw-Sitor WLO	dsCE
12612	0422	KEJ	Hoolehua R.	HWA	cw-Sitor KEJ	dsCE
12612,5	0221	VCT	Ccg Tors Cove	CAN	cw-Sitor VCT	dsCE
12613,5	0223	CEJ	???(KEJ on 12611,5?ed)	?	cw-Sitor CEJ	dsCE
12616	1619	LZW	Varna R.	BUL	CW DE LZW	abNL
12617	0225	USU	Mariupol R.	UKR	cw-Sitor USU	dsCE
12617,5	0227	8PO	Barbados R.	BRB	cw-Sitor 8PO	dsCE
12618	0235	LZW	Varna R.	BUL	cw-de LZW LZW	dsCE
12624	0424	SAB	Goeteborg R.	S	cw-Sitor SAB	dsCE
12625,5	1307	UCE	Archangelsk R.	RUS	cw-uce + SITOR	pt53
12738,2	0108	PPR	Rio R.	B	cw-tfc-list	pt53
12748	0107	IRM	Roma Medici R.	I	cw-vvv	pt53
12780,7	0101	9AR	Rijeka R.	HRV	cw-vvv	pt53
12830	0720	RLK7	UNID	?	cw-4LY de RLK 7	pt53
12856	1619	XSG	Shanghai R.	CHN	CW CQ DE XSG PLS UP 466	abNL
13015,5	0058	IAR3	Roma R.	I	cw-vvv de iar	pt53
13062	0052	CLA32	Havana R.	CUB	cw-cq qsx	pt53
13086	1631	YLQ	Riga R.	LVA	USB,E,Vn,Ru QRGs	pt53
13089	2238	NMN	USCG CAMSLANT	USA	USB,E,wx	pt53
13146	1430	3AC12	Monaco R.	MCO	USB,E/F ID	pt53
13152	1431	3AC	Monaco R.	MCO	USB,E/F ID	pt53
13155	1232	SPO	Szczecin R.	POL	USB,E/Pol St.-by	tfc-list pt53
13167	1227	SPC64	Gdynia R.	POL	USB,E,Id ann	pt53
16809,5	1142	VIP	Perth R.	AUS	cw-vip + SITOR	pt53
16812,5	1217	NRV	Uscg Apra Harbor	GUM	cw-Sitor NRV	dsCE
16813	1216	UAT	MOSCOW R.	RUS	cw-Sitor De UAT	dsCE
16814,5	0302	UDB2	Kholmok R.	RUS	cw-Sitor UDB2	dsCE
16819,5	0304	NMN	Camslant Chesapeake	USA	cw-Sitor NMN	dsCE
16820	1215	IAR	Roma R.	I	cw-Sitor IAR	dsCE
16823,8	1637	OFJ7	Helsinki R.	FNL	CW QSX marker	abNL
16829,5	0305	KHS	Star-Kist Foods Inc.	USA	cw-Sitor KHS	dsCE
16830	1212	HEC	Berna R.	SUI	cw-Sitor HEC	dsCE
16830	1213	UCE	Kyvf Archangelsk R.	RUS	cw-Sitor UCE	dsCE
16830,5	1211	SVT	Athenas R.	GRC	cw-de SVT (Despues Raya)	dsCE
16834,5	0306	WNU	Slidell R.	USA	cw-Sitor WNU	dsCE
16839,5	1639	UFN	Novorossiysk R.	RUS	CW channel marker	abNL
16841,5	0308	8PO	Barbados R.	BRB	cw-Sitor 8PO	dsCE
16851,5	1210	SAB	Goeteborg R.	S	cw-Sitor XSQ	dsCE
16880	1209	XSQ	Guangzhou R.	CHN	cw-Sitor OST	dsCE
16883	1208	OST	Oostende R.	BEL	cw-Sitor OFJ	dsCE
16892	0310	XSG	Shanghai R.	CHN	cw-Sitor XSG	dsCE
16898,5	1319	UAT	Moscow R.	RUS	cw-de uat + SITOR	pt53
16904	1124	UDK2	Murmansk R.	RUS	SITOR/A cw/tlx mkr	pcG
16910	0311	HLJ	Seoul R.	KOR	cw-Cq De HLJ Qsx 16 Mhz K	dsCE
16924	1205	OFJ	Helsinki R.	FNL	cw Qsx 4 Mhz K	dsCE
16940	1202	XSW	????(Kahosiung R.,ed)	TWN	cw Cq Cq De XSW XSW K	dsCE
17021,6	1115	TAH	Istanbul R.	TUR	cw-de tah ch 3 4 8	pcG
17141	1001	UFN	Novorossiysk R.	RUS	cw-de mkr	pcG
17147	1346	URL	Sevastopol R.	UKR	cw-cq mkr	pcG
17239,7	1209	PKX	Jakarta R.	INS	cw-cq	pt53
17239,7	1355	PKX	Jakarta R.	INS	cw-cq mkr	pcG
17260	1431	3AC16	Monaco R.	MCO	USB,E/F ID	pt53
18993,5	0910	SPW	Warszawa R.	POL	cw-de spw qsx	pt53
18995	0907	SPW	Warszawa R.	POL	USB,Pol., Id ann	pt53
21287,8	1315	5AT	Tripoli Radio	LBY	cw-cq mkr, sp? in HAM-Band	aleU
22377,5	1143	GKE7	Portishead R.	G	cw-Sitor GKE7	dsCE
22385	1141	OXZ	Lyngby R.	DNK	cw-Sitor OXZ	dsCE
22575	0840	PKX	Jakarta R.	INS	cw- cq mkr	pcG

A E R O (Ground - stations)

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2428	2100	MKL	RAF Kinloss	G	CW TAFs	abNL
3413	2307	EIP	Shannon	IRL	USB volmet	abNL
4645	1737		Tallinn Volmet	EST	USB,E,Volmet	pt53
4721	1304	DHO24	unid GAF Base	D	wkg DHO37, DHM91	aiEU
4721	1302	DHO37	unid GAF Base	D	clg DH075, wkg DHO24 DHM91	alEU
4721	1303	DHJ41	unid GAF? Base	D	wkg DHM91	alEU
4721	1305	DHM91	GAF Mnster	D	wkg DHO37 on channel DELTA	alEU
5450	0937		RAF Volmet	G	USB,E,Volmet,ID	pt53
5532	1100	OKL	Praha Radio/CSA LDOC	CZE	wkg WAA (OK-WAA: A310)	alEU
5535	2113		Speedbird BA London	G	USB,E,wkg Saudia 7027!	pt53
5541	2245	SDJ	Stockholm Radio	S	USB,E,wkg Lufthansa 8255	pt53
5565	0315		Dakar Aero	SEN	USB,E,wkg Al Italia 680	pt53
5616	0321		Gander Aero	CAN	USB,E,wkg a/c	pt53
5616	0320		Shanwick Aero	G	USB,E,wkg Delta 96	pt53
5637	0100		Bukarest ATIS	ROU	YL/E: ATIS bulletins	alEU
5685	0925	MKH5	AF Domine ATCC Cranwell	G	Volmet	alEU
5687	0638	DHM 91	AF Münster	D	USB,E,D,wkg Airforce 49	pt53
5687	2132		unid, Air Force	?	Portuguese:YL (=ground)&OM	alEU
5687	1251	DHM91	GAF Münster/ATC HQ	D	wkg GAF 101: K"ln->Jever	alEU
5687	1245	DHO23	GAF Landsberg AB/61.LTG	D	wkg DHM91 on channel ECHO	alEU
5687	1244	DHO24	unid GAF Base	D	wkg DHO37	alEU
5687	0922	DHO32	GAF Wunstorf AB/62.LTG	D	wkg DHM91	alEU
5687	1243	DHO37	unid GAF Base	D	wkg DHM91 fr r/c	alEU
5687	1357	DHO60	GAF Hohn AB/63.LTG	D	wkg DHM91	alEU
5687	1246	NI81	GAF Piacenza	I	wkg DHM91, re: 'F1 on AE'	alEU
5690	0819	TANGO 01	unid Spanish Military	E?	wkg ROMEO 02, GO	alEU
5693	1256	BT9P	RAF Domine OPs Cranwell	G	wkg CWL89	alEU
5702	1859		unid, Air Force?	TUR	Turkish, Military-styled	alEU
5705	1018	PBV	RDny Valkenburg NAS	NLD	wkg Coast Guard 03	alEU
5717	1234	DHM91	GAF Münster/ATC HQ	D	wkg DHO24 on channel FOX	alEU
5717	1250	DHO24	unid GAF Base	D	to DH075 (= to ALL)	alEU
5717	1250	DHO37	unid GAF Base	D	wkg 24, 'end of exercise'	alEU
5717	1250	DHJ41	unid GAF? Base	D	wkg DHO24	alEU
6577	2328		New York Aero	USA	USB,E,wkg UNID a/c	pt53
6604	0220		Gander Volmet	CAN	USB,E,mv,Volmet,ID	pt53
6604	0219		New York Volmet	USA	USB,E,ID,Volmet	1vcZ+pt53
6622	0620		Gander Aero	CAN	USB,E,wkg American 46	pt53
6622	0621		Shanwick Aero	G	USB,E,wkg Speedbird 284	pt53
6628	0340	CSY	Santa Maria Aero	AZR	USB,E,wkg Canarias Aero	pt53
6628	0340		Canarias Aero	CNR	USB,E,wkg Santa Maria Aero	pt53
6676	1802		Sydney Volmet	AUS	USB,E,Volmet	pt53
6872	1050	BT9P	RAF Domine Ops Cranwell	G	Volmet to CWL Combine	alEU
8825	1910	CSY	Santa Maria Aero	AZR	USB,E,wkg a/c	pt53
8825	2322		New York Aero	USA	USB,wkg Air France	pt53
8837	1741		LDOC E1 AL	ISR	USB,hebr.,wx	pt53
8855	2214		Cayenne Aero	GUF	USB,F,wkg Air France	pt53
8861	1841		Canarias Aero	CNR	USB,E,wkg Iberia 9709	pt53
8861	0213		Dakar Aero	SEN	USB,E,wkg KLM	pt53
8879	1627		Shanwick Aero	G	USB,E,wkg Air France	pt53
8879	1628		Bombay Aero	IND	USB,E,wkg Mauritian	pt53
8891	1828		Shanwick Aero	G	USB,E,wkg United 977	pt53
8891	1826		Iceland Aero	ICL	USB,E,wkg KLM 625	pt53
8891	1814		Bodoe Aero	NOR	USB,E,wkg Lufthansa 8385	pt53
8903	2316		Ndjama Aero	TCD	USB,E,wkg Lufthansa 597	pt53
8906	2341	CSY	Santa Maria Aero	AZR	USB,E,wkg LTU 447	pt53
8906	2323	KEA5	New York ARINC/MWARA	USA	wkg Britannia 177B	alEU
8921	1400		Speedbird London LDOC	G	clg unid	alEU
8924	1347		TRANSAER Ops LDOC	IRL	wkg TL44P to London/Gatw.	alEU
8927	1812		Saudia Jeddah	ARS	USB,E,clg Saudia 704	pt53
8930	1708		AIRINDIA Bombay LDOC	IND	wkg Stockholm Radio LDOC	alEU
8930	1918		Stockholm Radio LDOC	S	wkg Avianca 015:LFPG->SKBO	alEU
8933	0139	KEA5	New York ARINC/LDOC	USA	wkg '38', s/c AM-BK	alEU
8933	0725		Cedar Rapids LDOC	USA	wkg ... 31	alEU
8937	2350		SAUDIA Jeddah LDOC	ARS	wkg SAUDIA 1495	alEU
8939	2328		Rostov Meteo	RUS	OM/Russ. Volmet	alEU
8957	2331	EIP	Shannon Volmet	IRL	OM/E, Volmet	alEU
8960	0851	GKX	Portishead Radio	G	wkg AP, pp Ops	alEU

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8968	1305	???	RADIO unid Norwegian	NOR	Norw., ment.Stavanger	aLEU
8968	2308		unid USAF GHFS	?	EAM: 7T3370... & 3HVNZL...	aLEU
8974	1005		SpAF Vigia	E	clg '20'	aLEU
8980	1455	DHN66	GAF/NATO geilenkirchen	D	wkg J4P, with Data-coord.	aLEU
8983	2255	NMN	USCG CAMSLANT	USA	USB,E,wkg 1504	pt53
8983	0003	NMN	USCG CAMSLANT	USA	wkg Rescue 1503	aLEU
8987	1308	MKL	RAF ARCC Kinloss	G	cw-wx bull. fr EGQK/etc.	aLEU
8989	1300	ONY	BAF Brussels-Melsbroek	BEL	clg CH 04	aLEU
8992	1209	CIRCUS VERTE	FAF Villacoublay	F	clg JGD 49 & s/c'ing	aLEU
9001	1805	GFF	RAF Kinloss Rescue	G	clg Sierra 137 fr r/c	aLEU
9014	0945		unid Spanish LDOC	E	wkg unid a/c	aLEU
9025	0948	AJE	USAF Croughton	G	wkg unid	aLEU
9031	1302	ARCHITECT	RAF STCICS, QTH ?	G	YL/E: wx	aLEU
10027	1512	CSA	CSA Prague	CZE	USB,VN,wkg a/c,ID Praha R.	pt53
10027	1810	OKL	CSA Prague Radio LDOC	CZE	wkg unid a/c in Czech	aLEU
10030	1303		LTU Düsseldorf	D	USB,D,wkg UNID a/c	pt53
10030	1700		Aero Loyd Alpha Echo	D	USB,D,wkg UNID a/c	pt53
10030	1812		LTU Dsseldorf LDOC	D	wkg unid a/c in German	aLEU
10033	2231		SILVAIR Miami	USA	USB,E,wkg a/c 029	pt53
10075	0730	WBT7	Cedar Rapids LDOC	USA	wkg ... 31	aLEU
10090	1712		Tashkent Volmet	UZB	USB,E,Volmet	pt53
10291	2110	GKX	Portishead Radio LDOC	G	wkg unid a/c .. 25	aLEU
11175	1744	XPH 5	USAF Thule	GRL	USB,E,wkg X-Ray	pt53
11175	1149	AJO	USAF Incirlik	TUR	USB,E,wkg Quid 69	pt53
11175	1142	UNTIE	unid US Military	?	wkg Incirlik,9 3-char grps	aLEU
11175	1126	APPLY	unid US Military	?	wkg Incirlik,7 3-char grps	aLEU
11175	0040	AFE83	USAF Ascension GHFS	ASC	wkg REACH 124M, to KNBG	aLEU
11176	1426		unid Airl. LDOC Krakow	POL	wkg PLF 304,which Airline?	aLEU
11178	2345	PJC	RDny Nato ?	ATN	wkg SPARROW 01, not PJK !	aLEU
11193	1719		UNID a/c	AIR	USB,Ru,clg Moscow Radio	pt53
11223	1030		Stockholm Radio LDOC	S	wkg PH-HVN, QSY 13890 khz	aLEU
11247	0844	GFW	RAF Akrotiri	CYP	w/unid, id: 'FLIGHTWATCH'	aLEU
11256	0132		Eth.Air Addis LDOC	ETH	wkg unid a/c to Addis	aLEU
11273	1618		BALKAN Air Sofia LDOC	BUL	wkg OC (LZ-BOC/Boeing 737)	aLEU
11285	1709		Chennai Aero	IND	USB,E,wkg Malaysian 16	pt53
11288	1150		SAUDIA Jeddah LDOC	ARS	wkg SAUDIA 002	aLEU
11297	1123		Kiev Meteo	UKR	rus wx volmet	lvCZ
11300	2149		Nairobi Aero	KEN	USB,E,wkg Khartoum Aero	pt53
11300	2200		Tripoli Aero	LBY	USB,E,wkg Gulf Air 870	pt53
11300	2149		Khartoum Aero	SDN	USB,E,wkg Nairobi	pt53
11300	2141		Mogadishu Aero	SOM	USB,E,wkg Condor 303	pt53
11300	1731	E3A	Asmara Air/MWARA AFI	ERI	wkg BFB 777	aLEU
11300	0113		Jeddah Air/MWARA AFI	ARS	wkg CLX/CargoLux 790	aLEU
11300	0115	5YD	Nairobi Air/MWARA AFI	KEN	wkg CTB 690	aLEU
11300	1958		Entebbe Air/MWARA AFI	UGA	wkg Nairobi, re: KLM 566	aLEU
11300	0104	ETD3	Addis Ababa Air/MWARA	ETH	clg Sana'a	aLEU
11300	1530	STK	Kharthoum Air/MWARA	SDN	clg Juba (South Sudan) !!	aLEU
11300	1930		Port Sudan Air/MWARA	SDN	wkg Khartoum (1st log !!)	aLEU
11300	0107	SUC	Cairo Air/MWARA AFI	EGY	wkg Khartoum	aLEU
11300	0115		Djibouti Air/MWARA	DJI	clg Mogadishu	aLEU
11300	2020	S7Z	Seychelles Air/MWARA	SEY	wkg Nairobi	aLEU
11300	1121	5AF	Tripoli Air/MWARA AFI	LBY	wkg AEY 902	aLEU
11300	1729		Sana'a Air/MWARA AFI	YEM	wkg Addis	aLEU
11309	1334	CSY	Santa Maria Aero	AZR	USB,E,wkg Iberian 6251	pt53
11309	2023	KEA5	New York/MWARA NAT-E	USA	wkg '23'	aLEU
11330	2018	KEA5	New York/MWARA CAR-B	USA	wkg '1965'	aLEU
11336	1657		Gander Aero	CAN	USB,E,wkg Lufthansa 402	pt53
11342	1732		Arinc New York	USA	USB,E,wkg a/c	pt53
11363	1336	Yankee	Romeo LDOC EasyJet Airlines	G	USB,E,wkg Easy 568	pt53
11363	1759		TAROM Bucuresti	ROU	USB,Roum.,wkg a/c	pt53
11363	1554		TAROM Bukarest	ROU	wkg 006,Amsterdam->Chicago	aLEU
11363	1436		Easy Ops London LDOC	G	wkg Easy 302 YS to Luton	aLEU
11387	1803		Sydney Volmet	AUS	USB,E,Volmet	pt53
11387	1446		Karachi Volmet	PAK	USB,E,Volmet	pt53
13236	1642		UKADGE	G	USB,E,wx for LIBZ	pt53
13264	1739		Shannon Volmet	IRL	USB,E,ID, Volmet	abNL+pt53
13270	1620		Gander Volmet	CAN	USB,E,Volmet	pt53
13282	1515		Hongkong Volmet	CHN	USB,E,Volmet	pt53

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13282	1610	Tokyo Volmet	J	USB,E,Volmet	pt53
13282	1550	Auckland Volmet	NZL	USB,E,Volmet	pt53
13291	1654	Gander Aero	CAN	USB,E,wkg a/c	pt53
13304	1113	El Al	ISR	USB,hebr.,wkg UNID a/c	pt53
13327	1116	IBERIA Madrid	E	USB,Sp,wkg Iberia 6513	pt53
13330	1606	Cedar Base MEA	LBN	USB,E,wkg Cedar Jet 212	pt53
13330	1730	Arinc New York	USA	USB,E,wkg a/c, QSY 11342	pt53
13333	1235	Speedbird BA London	G	USB,E,wkg Speedbird 2007	pt53
13339	1549	SAUDIA Jeddah	ARS	USB,E,wkg Saudia 705	pt53
13342	1205	SDJ Stockholm Radio	S	USB,E,wkg Korean 905	pt53
13354	1557	New York Aero	USA	USB,E,wkg AlItalia 246	pt53
13890	1031	Stockholm Radio LDOC	S	wkg PH-HVN, to Milano	alEU
14615	2320	AFE83 USAF Ascension	ASC	wkg REACH 6B3: C141,60-165	alEU

## A E R O (aircraft)

5267	0812	MAGIC 54	AIR	wkg Q8J	alEU
5687	1404	GAF 662 GAF Flight EDDT->LOWW	AIR	wkg DHM91	alEU
5687	0845	GAF 374 GAF Fl. K"ln->Piacenza	AIR	wkg NI81, s/c GJ-CP	alEU
5687	0937	JGE 99 GAF/Joint Guard	AIR	wkg DHM91, s/c GL-MP	alEU
5687	1236	'VO' unid GAF? a/c	AIR	wkg DHM91, s/c GP-EH	alEU
5687	1400	LB 06 unid GAF/Gny? Flight	AIR	wkg DHM91, wx fr ETSB/ETMN	alEU
5687	0922	NAVY 4704 unid GNY Flight	AIR	wkg DHM91, wx fr ETMN	alEU
8894	0057	MKA 703 MK Airlines/Ghana	AIR	wkg Algiers	alEU
8894	0103	ALX 701 Congo Airl./DR Congo	AIR	wkg Niamey, reg. 9G-MKE	alEU
8894	0104	DSR 1047 Das Air Cargo/Uganda	AIR	w/A., Oostende-Accra, BD-EL	alEU
8894	0114	DTA 651 TAAG Angola Airlines	AIR	w/Algiers, to Luanda	alEU
8906	1942	LAUDA AIR	AIR	pos report usb	lvCZ
8930	1118	EIN 111 Aer Lingus 'Shamrock'	AIR	w/St., a/c GH-AS EGAA->EINN	alEU
8930	1525	AJM 002 Air Jamaica	AIR	w/Stockholm, pos. London	alEU
8930	0118	N233SG unid	AIR	w/Stockholm	alEU
8930	1908	N920FT Polar Air Cargo/PAC	AIR	w/St., s/c BF-AG	alEU
8983	0000	Resc. 1503 USCG-AS Elizabeth City	AIR	wkg CAMSLANT, HC-130H	alEU
8983	0004	CG 1720 USCG-AS Clearwater	AIR	wkg CAMSLANT, HC-130H7	alEU
8992	0745	JGK ### PAF/Joint Guard	AIR	wkg Lisboa, fm/to Pristina	alEU
9035	0140	Avianca 985/Colombia	AIR	wkg Operaciones, LDOC ?	alEU
10165	1100	A6-AUH Amiri Flight, Abu Dhabi	AIR	w/Stockholm, pos Bordeaux	alEU
11175	1522	CF 1522 CanForce/Canadian AF	AIR	w/Croughton	alEU
11175	1730	JGO 21 USAF/Joint Guard	AIR	Tirana->Ramstein, 40-068	alEU
11175	1435	KOO 220 USAF/Kosovo Mission	AIR	wkg Cr., to ETAR w/HRs	alEU
11175	1325	SAM 300 USAF/Sp'l Air Mission	AIR	clg Mainsail	alEU
11175	1152	JW 600 USN/VR-63 (Selfridge)	AIR	clg Mainsail, C-130T a/c	alEU
11175	1211	RAID 91 USAF Fl. DTTA->EDDT	AIR	w/Croughton, pp Hilda/East	alEU
11175	0730	AIREVAC 1064 USAF/AIR EVAcuation	AIR	wkg Incirlik, to Rota	alEU
11223	1035	PH-HVN Transavia Airlines/TRA	AIR	w/Stockholm, QSY 13890 kHz	alEU
11247	1437	JGN 20 RAF/Joint Guard	AIR	wkg Architect	alEU
11247	1647	ASCOT 5053 RAF Flight	AIR	wkg Architect, pp Ascot Ops	alEU
11268	1641	CH 04 Belgium AF C-130H a/c	AIR	wkg ONY, to Brussels	alEU
11300	0155	ET-AIF Ethiopian 0826	AIR	clg Addis: Harare->Addis	alEU
11300	0157	HSA 6103 CHS Aviation, Kenya	AIR	wkg Khartoum	alEU
11300	1733	BFB 777 BF Cargo, Bulgaria	AIR	wkg Asmara, req wx Asmara	alEU
11300	0939	GLT 067 Light Air Tr.&Tech Sce	AIR	wkg Tripoli, GLT fm Libya	alEU
11300	1630	LCR 117 Libyan Arab Air Cargo	AIR	wkg Tripoli	alEU
11300	1640	TKE 2124 Aerotec Airways, D	AIR	wkg Khartoum	alEU
11300	2227	CCE 502 Cairo Air Transport	AIR	wkg Cairo, fl. to Cairo	alEU
11300	0039	EEZ 2700 Eurofly, Italy	AIR	wkg Khartoum	alEU
11300	1740	LCG 7055 unid airline	AIR	clg Tripoli Information	alEU
11300	2155	Saudan 228	AIR	wkg Jed., Khartoum->Jeddah	alEU
11300	1120	Libyan 881	AIR	clg Tripoli	alEU
11300	1458	NAF 11 Roy. Netherlands AF	AIR	wkg Sana'a	alEU
11345	2248	VEX TVA Virgen Express, Belgium	AIR	wkg Stockholm, s/c GS-AC	alEU
11345	1150	G-OMBO British Midland 4402	AIR	wkg Stockholm, s/c DF-AP	alEU
11345	2249	GTI 835 Atlas Air 'Giant', USA	AIR	wkg St., s/c RS-GJ, ->LUX	alEU
11345	1200	G-OBMF British Midland/BMA	AIR	wkg Stockholm, to Luton	alEU
11345	1615	BAF 636 Belgian Air Force	AIR	wkg St., Pos. Lisbon area	alEU
11345	1400	VDA 9878 Volga-Dnepre Airlines	AIR	w/St., RA-82078, CAY->HAM	alEU
11363	1310	G-MOND Monarch Airlines/MON	AIR	clg Monarch Luton LDOC	alEU
11384	1510	LZ-ITA Inter Trans Air/ITT	AIR	clg Sofia Radio	alEU

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16207 1147 EC-HCP Futura Int'l Air/FUA AIR wkg Stockholm,pp Palma Ops aLEU  
 20770 1435 EUL 565 Euralair Int'l, France AIR wkg Stockholm Radio aLEU

## D I G I T A L

518 2005 avurnav Brest F SITOR-B, nav. warnings pt53  
 518 2050 Cullercoats Radio G SITOR-B, nav. warnings pt53  
 518 2045 NL CG HOL SITOR-B, nav. warnings pt53  
 518 2237 9AS Split Radio HRV SITOR-B, nav. Warnings pt53  
 2474 2220 PBC Ny Goeree HOL RTTY 75 CARB abNL  
 2607 2225 FUU Ny Toulon F RTTY 75 Test tape pt53+abNL  
 2789 2140 FUE Ny Brest F rtty 850/75 ry abNL+pt53  
 2815 2229 IDR8 Ny Rome I RTTY 75 CARB pt53+abNL  
 2845 2132 PBB Ny Den Helder HOL rtty 850/75 mrk abNL+pt53  
 3196 1802 OLB7 Praha Meteo CZE rtty 425/50 wx abNL+pt53  
 3669 1950 MTI Ny Plymouth G R50/850/R: RY/Foxes aLEU  
 4280 2207 PBC Ny Goeree HOL rtty 850/75 mrk Id pt53  
 4396 2316 FCQR Slovak mil zilinia SVK RTTY 50 FCQR = A7KG + Msgs abNL  
 4410 2313 Unid ? RTTY 50 online encr. msgs abNL  
 4944 0852 UNID ? ARQE/85,7/170idle into cryptpcG  
 4970,7 0820 UNID ? ARQE/192/170cont unsync idlepcG  
 5000,7 1249 unid ? R50/800: RY's, carrier/QRT aLEU  
 5049,2 1804 CSP Viseu Police POR SITOR/A msgs about m/vehiclepcG  
 5064 1830 RFF-- Paris? FF F ARQE/72/400rffedfi de souge pcG  
 5064 2155 ? Unid ? ARQ-E 72bd idling for hoursabNL  
 5083 1107 DHJ51 BW Grengel Meteo D R100/425/R: CQ, RYRY aLEU  
 5096,8 0043 CFH CF Halifax CAN R75/850: NAWS, QRGs aLEU  
 5221 2240 RFFEDFI FF Novo Selo BUL ARQE/72/400 UFI zid/zic msgspcG  
 5234,2 0048 FDG AF Bordeaux F R50/850/R: RY/Le Brick aLEU  
 5296,2 2220 UKSUBCAMSNy Submarine Command G R50/850: mkr 'to ALL SUBS' aLEU  
 5384,5 0955 FDY AF Orleans F R50/425: RY/Le Brick aLEU  
 5400 0814 YOG37 Bucharest METEO ROU ITA2/50/400cont met b/cpt53+pcG  
 5414,7 0915 GX unid UK RNY Vessel IW R75/850: Foxes/RY to GXQ aLEU  
 5415,1 0917 GX unid UK RNY Vessel IW R50/425/R: Foxes/RY to GXQ aLEU  
 5429,8 0758 EUH20 unid ? R50/425/R: 5 FGS & 5 LGS aLEU  
 5442,2 2000 HEC Bern Radio SUI SITOR-B, ID, tfc-list pt53  
 5794,7 1457 FDI8 AF Noce F R50/425/R: RY/Le Brick aLEU  
 5800,5 2005 MKD Cyprus DCN CYP PICC/6 2ch idle/crypto pcG  
 5817,7 1105 PF5M unid ? R50/850: RYRY TEST TO 8JMO aLEU  
 5831,1 1650 unid Tunesian MOI TUN R50/170: arab writing aLEU  
 5887,2 1837 IMB32 Roma Meteo I rtty 50 wx AAXX,no ID pt53  
 6330 2250 LZW Varna R. BUL ARQ Tfc list abNL  
 6965 1700 UNID ? rtty 850/75 y only pt53  
 6990 1311 FDG AF Bordeaux F R50/425/R: RY,Le Brick aLEU  
 7646 0938 DDH7 Hamburg Meteo D rtty 425/50 synopt. wx,noIDpt53  
 12511 1615 9HSH3 mv Zim Venezuela IW ARQ wkg unid station abNL  
 12615 1621 URU Mariupol R. UKR ARQ wkg unid vessel abNL  
 12634,5 1626 TAH Istanbul R. TUR ARQ clg EGMD abNL  
 12818 1611 SAB Goteborg R. S ARQ clg ERKV abNL  
 13031,2 1910 FUF FF F.de France MRT ITA2/75/850 sg/ry testing pcG  
 13051,5 2002 WLO Mobile R. USA SITOR/B e-mail tfc list pcG  
 13418 1200 RFF- FF Paris? F ARQE/72/400 de rffedfi pcG  
 13418 1607 RFFEDCS UNID French station F ARQ-E 72, msg. to RFFEDFI pt53  
 14793,5 0845 UNID? DCN ? PICC/6 2ch idle/idle pcG  
 14799 0844 RFFEDFI FF Novo Selo BUL ARQE/72/400 UFI ..novo selo pcG  
 16840,5 1130 UJE Novogorod R. RUS SITOR/B tfc info pcG  
 16949 1210 UPW2 Liepaia Radio LVA rtty 170/50, msgs, ID pt53  
 16951,4 1317 RFTTJE Ny Dakar SEN rtty, 850/75, ry testing pt53  
 16951,5 1340 RFTTJE Fny Dakar SEN ITA2/75/850 faaa de rfttje pcG  
 18064,1 1440 MFA Warsaw ? POL-ARQ 100 bd, pol. Nx pt53  
 18211,7 1351 UNID ? SITOR-A, encry. msgs,5fg pt53  
 18281,5 1403 UNID ? SITOR-A, VKPV only pt53  
 18668 1415 UNID ? SITOR-A, msgs, arab? pt53  
 20142 0800 UNID ? CW/ITA2/75 op chat cw/ita2 pcG  
 20179,7 0807 RFFA FF Paris F ARQE3/100/400 IRE to Le PortpcG  
 20633,7 1630 RFVI FF Le Port REU ARQE3/100/400 REI to Paris pcG  
 20716,7 1641 RF-- Unid ? ARQE3/192/400 idle pcG  
 20995,7 1600 RFTPA FF Njamena TCD ARQE3/200/400 FDZ to Paris pcG

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22382 1150 NRV Guam USCG GUM SITOR/A t1x/cw mkr pcG  
 22447 1134 RFQPM E Fny Djibuti DJI ITA2/75/850 ry/sg testing pcG

T I M E S I G N A L

9994 0909 RWM TS RWM RUS cw id in CW + timesignals abNL

Q S L - R E V I E W

ITU Station	days	rvcd/gvn	QRG	Call	Power	name
ALS-HAARP Gakona	12	cd,ppc,f/up	6990,0		350000 w	mo76
CHN-Tianjin R.	95	lt/-	12969	XSV		hb31
CNR-NDB La Palma	16	ppc	389,0	BV	150 w	moE
CNR-NDB Fuerteventura	18	ppc	397,0	FV	55 w	moE
CNR-NDB Hierro	18	ppc,tourist info	376,0	HR	100 w	moE
D -NDB Deutsche Bucht	10	ppc/ms	312	GB		hb31
E -NDB Avilés	11	ppc/ms	325	AVS	200 w	hbF
E -NDB Villanueva	11	lt,cd/ms via HQ	380	VNV	200 w	hbF
E -NDB Vitoria	7	ppc/ms	345	VTA		hbF
E -NDB Castejón	267	lt, ppc via cen-ads	362,0	CJN	60 w	moF
E -NDB Morón de la Frontera	267	lt,ppc via cen-ads	428,0	MNF	100 w	moF
E -NDB Vigo	267	lt, ppc via cen-ads	433,0	VGO	200 w	moF
E -NDB Vitigudino	267	lt, ppc via cen-ads	365,0	VDG	60 w	moF
F -NDB Aurillac	10	ppc/ms	343	AR		hbF
F -NDB Biarritz	12	ppc/ms	341	BZ	100 w	hbF
F -NDB Niort-Souche	7	ppc/ms	329	NS		hbF
F -NDB Lorient	9	ppc/ms	359	LOR		hbF
F -NDB Carcassonne	14	ppc/ms	345	CS	25 w	hbF
F -NDB Muret-Lherm	11	ppc/ms	350	MUT	25 w	hbF
F -NDB Pointe de Créach	15	ppc,info/ms	301	CA	200 w	hbF
F -NDB Pointe de la Coubre	8	ppc/ms	292	LK		hbF
F -NDB Laval/Entrammes	243	ppc direct	401,0	LA	75 w	moF
F -NDB Marseille	8	ppc	383,0	MAR	25 w	moF
F -NDB Marseille	8	ppc	410,0	MBP	50 w	mo76
F -NDB Valence-Chabeuil	9	ppc	320,0	VE	25 w	moF
G -Holyhead CG	9	ppc,lt,infos	2182,0		250 w	mo76
G -NDB Blackbushe	5	ppc,info,f/up	328,0	BLK		moF
G -NDB Shoreham	6	lt,ppc,info,f/up	332,0	SHM		moF
G -Yarmouth CG	7	lt,ppc,infos	2182,0		250 w	mo76
IW -FGS Meersburg	148	ppc,photo	8335,3	DRKH	1000 w	mo76
IW -FPSO Petrojarl Foinavon	23	ppc,info/SASE	8414.5	C6NR7	250 w	gsLX
IW -MV Ale	31	ppc,photo/SASE	8414.5	SBPQ	250 w	gsLX
IW -MV Amber	78	ppc/SASE	8414.5	LAQJ4	400 w	gsLX
IW -MV Aptera	14	ppc/SASE	8414.5	SXKE	250 w	gsLX
IW -MV Arctic Goose	106	ppc/SASE	8414.5	C6B09	250 w	gsLX
IW -MV Astoria	58	ppc/SASE	8414.5	3FNP4		gsLX
IW -MV Castillo de Simancas	79	ppc/SASE	8414.5	C6MD3	700 w	gsLX
IW -MV Chiquita Belgie	21	ppc/SASE	8414.5	C6KD7		gsLX
IW -MV Dania Portland	35	ppc/SASE	8414.5	OXEH	250 w	gsLX
IW -MV Falstaff	27	ppc/SASE	8414.5	SLCO		gsLX
IW -MV Finnjet	23	ppc,info,pin/SASE	8414.5	OIHH	400 w	gsLX
IW -MV Fonnes	80	ppc/SASE	8414.5	J8LY5	125 w	gsLX
IW -MV Harald	14	ppc,letter,info/SASE	8414.5	MQJQ4		gsLX
IW -MV Heralden	134	ppc,photo/SASE	2187.5	OJHF	400 w	gsLX
IW -MV Island Commodore	9	ppc,info,photo	8414.5	C6NF4		gsLX
IW -MV Kilchem Caribbean	20	ppc/SASE	8414.5	S6JH		gsLX
IW -MV Kometik	21	ppc/SASE	8414.5	VCRT		gsLX
IW -MV Lomza	16	ppc/SASE	8414.5	V7AN2		gsLX
IW -MV Monarch of the Seas	82	ppc/SASE	8414.5	LAMU4		gsLX
IW -MV Perelik	77	ppc,letter/SASE	8414.5	9HRZ5	400 w	gsLX
IW -MV Scarlet Star	18	ppc/SASE	8414.5	LALU5	200 w	gsLX
IW -MV Sierra Lara	36	ppc/SASE	8414.5	3FKE6		gsLX
IW -MV Tenna Kosan	81	ppc/SASE	8414.5	OZRT2		gsLX
IW -MV Toisa Polaris	66	ppc,info/SASE	8414.5	MYKR6		gsLX
IW -MV Toki Arrow	57	ppc,letter,photo/SAS	8414.5	C6MJ7		gsLX
IW -MV Vana Tallinn	18	ppc,photo/SASE	8414.5	ESZT	250 w	gsLX
IW -MV vigilant	42	ppc,info/SASE	8414.5	GCML		gsLX

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IW -MV Viking Voyager	240	ppc,letter/SASE	2182	MMYZ7		gsLX
IW -MV Wani Swan	27	ppc/SASE	8414.5	3FAJ2	250 w	gsLX
NMB-Walvis Bay R.	26	lt/IRC	4384	VSW		hb31
USA-MARS Brunswick ME	376	cd/USD	14391	NNNOXGB		hb31

## Membership and money corner:

A note from the treasurer: Fee with thanks received from: fd40, dp47, ti47/ti25, fVI. (also a B I G Thank you for your donations!!!, ed)

## Addresses/Infos/Veri-signers:

Regarding the question in EUNL 12-99 about Avurnav Brest:

When I sent a report some time ago to CROSS Jobourg I asked about this + in my reply was informed that this was originating from CROSS Corsen (TNX, Lionel, ed)

A very interesting site can be found at: <http://www.radio-portal.org/>  
If you search in the internet for special `radio` informations, you will get also URL's of radioastronomy a.s.o. This site will give you only infos concerning our interesting hobby! So you do not waste your time. Tnx, Georges, ed!

## Solved NDB unids by mo76

HC	330,0	civ	Heringsdorf	D	N53.5230	E14.1104	
KI	310,0	mar	Kiel	D	N54.3000	E10.1630	
OEM	363,0	civ	Kristianstad/Everod	S	N55.5918	E14.0618	ex OE-363
S	296,5	mar	Swinoujscie	POL	N53.5500	E14.1712	ex OD-287,5

SHM NDB Shoreham: Shoreham Airport, Shoreham-by-Sea, West Sussex, BN43 5FF (mo76) (v/s Robert J. Ruffle, ATC Training Officer)(mo76)

BLK NDB Blackbushe: Blackbushe Airport Ltd., Terminal Buildings, Blackbushe Airport, Camberley, Surrey GU17 9LQ (mo76) (v/s Stuart Marshall, Airport Manager) (mo76)

VE NDB Valence-Chabeuil: Direction de l'Aviation Civile Centre-Est, Aérodrome de Valence-Chabeuil, F-26120 Chabeuil (mo76) (v/s Francois Beilliard, Le Chef d'aérodrome) (mo76)

MAR/MBP NDB Marseille: Ministère des Transports et de la Mer, Direction Générale de l'Aviation Civile, Aéroport Principal de Marseille Marignane (mo76)

LA NDB Laval/Entrammes: Syndicat Mixte de L'Aérodrome de Laval-Entrammes, F-53260 Entrammes (mo76)

BV NDB La Palma: AENA, Dirección Regional de Navegacion Aérea, Región Canarias, Aeropuerto de La Palma, Apartado de Correos 195, E-38700 Santa Cruz de La Palma (mo76)

HR NDB Hierro: AENA, Dirección Regional de Navegacion Aérea, Región Canarias, Aeropuerto de Hierro, El Cangrejo s/n, E-38910 Valverde - Hierro (mo76)

FV NDB Fuerteventura: AENA, Dirección Regional de Navegacion Aérea, Región Canarias, Aeropuerto de Fuerteventura, E-35610 Fuerteventura (mo76) (v/s Juan A. Gutierrez, Jefe Mtto.) (mo76)

VTA Vitoria: A.E.N.A. Sector Cantábrico, Aeropuerto de Vitoria, E-01 Vitoria LK

Pointe de la Coubre: DDE - Parc de Balisage et Ateliers Maritimes, 2 Rue de la Côte d'Ivoire, B.P. 2042, F-17009 La Rochelle CEDEX (hb31)

3FAJ2 Wani Swan: Torvald Klaveness & Co AS, Postboks 182, Skoyen, N-0212 Oslo 2, Norway (gsLX)

3FKE6 Sierra Lara: Auxiliar Maritima SL, Calle Mino 4, E-28002 Madrid (gsLX)

3FNP4 Astoria: Shipping & International Trading, BP259, 45 Avenue de Grande Bretagne, MC-98007 Monte Carlo, Monaco (gsLX)

9HRZ5 Perelik: Navigation Maritime Bulgare, 1 Primorski Blvd., 9000 Varna, Bulgaria (gsLX)

C6B09 Arctic Goose: Holy House Shipping AB, PO Box 1150, S-111 81 Stockholm, Sweden (gsLX)

C6KD7 Chiquita Belgie: Great white Fleet Ltd., Rijnkaai 37, B-2000 Antwerp, Belgium (gsLX)

C6MD3 Castillo de Simancas: E.N. Elcano de la Marina Mercante SA, Jose Abascal, 2 y 4, 4a planta, E-28003 Madrid, Spain (gsLX)

C6MJ7 Toki Arrow: Gearbulk, Postboks 3740, Fyllingsdalen, N-5033 Bergen (gsLX)

C6NF4 Island Commodore: Commodore Ferries, PO Box 10, Guernsey GY1 3AF (gsLX)

C6NR7 FPSO Petrojarl Foinavon: Golar-Nor Offshore AS, Postboks 482, Fjordgt 1, N-7001 Trondheim, Norway (gsLX)

ESZT Vana Tallinn: Tallink-Hansatee Ltd., PO Box 3495, EE-0090 Tallinn (gsLX)

GCML Vigilant: Dept. of Agriculture & Fisheries Scotland, Fleet Support Unit, Room 517, Pentland House, 47 Robbs Loan, Edinburgh EH14 1TY, Scotland (gsLX)

EUNL2000

J8LY5 Fonnes: Donnelly Shipmanagement Ltd., PO Box 7215, 123 Griva Digheni Avenue, Limassol, Cyprus (gsLX)  
LALU5 Scarlet Star: International Andromeda Shipping, Apartment 801, Gildo Pastor Center Bloc A, 7 rue du Gabian, MC-98000 Monte Carlo, Monaco (gsLX)  
LAMU4 Monarch of the Seas: Royal Caribbean Cruises Ltd., 1050 Caribbean Way, Miami FL 33132, USA (gsLX)  
LAQJ4 Amber: Euroafrica Shipping Lines Co.Ltd., PO Box 511, ul Energetykw 3/4, PL-70-952 Szczecin, Poland (gsLX)  
MMYZ7 Viking Voyager: Viking Standby Ltd., Annat House, South Quay, Ferryden, Montrose, DD10 9UB, UK (gsLX)  
MQJQ4 Harald: Orkney Towage Co. Ltd., Harbour Buildings, Scapa, Orkney, KW15 1SD, UK (gsLX)  
MYKR6 Toisa Polaris: Sealion Shipping Ltd., Sealion House, The Courtyard, 17 West Street, Farnham, Surrey GU9 7DR, UK (gsLX)  
OIHH Finnjet: Silja Line OYJ, PO Box 659, Marine Operations Office, Mannerheimintie 2, FIN-00101 Helsinki (gsLX)  
OJHF Heralden: OY Transfennica AB, Etelaranta 12, FIN-00130 Helsinki (gsLX)  
OXEH Dania Portland: Aalborg Portland AS, PO Box 165, Rordalsvej 44, DK-9100 Aalborg, Denmark (gsLX)  
OZRT2 Tenna Kosan: Lauritzen Kosan Tankers, Sankt Annae Plads 28, DK-1291 Copenhagen K, Denmark (gsLX)  
S6JH Kilchem Carribbean: Copenhagen Tankers AS, Smakkedalen 8, DK-2820 Gentofte, Denmark (gsLX)  
SBPQ Ale: National Maritime Administration, PO Box 935, S-601 19 Norrkoepping, Sweden (gsLX)  
SLCO Falstaff: walleniusrederierna AB, PO Box 17086, Swedenborgsgatan 19, S-104 62 Stockholm, Sweden (gsLX)  
SXKE Aptera: ANEK Lines, 32 Akti Possidonos, GR-185 31 Piraeus, Greece (gsLX)  
V7AN2 Lomza: Polsteam Shortramp Ltd., Plac Rodla 8, Suite 1408, PL-70 419 Szczecin, Poland (gsLX)  
VCRT Kometik: Canship Ltd., PO Box 8274, Station A, St. John's, NF A1B 3N4, Canada (gsLX)

This famous work was made by our (11) famous contributors gsLX, hb31/hbF, pcG, js38, a1EU, mo76/moF, csCE (CHILE), abNL, lvCZ, rbCH  
gd dx + 73 s, until next month (c)(zeTC,lrG,egCH: your stuff in the next EUNL!)

Andreas

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EUROPEAN UTILITY NEWSLETTER 2-2000

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*****
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*                                                                                   *
*                               Deadline: 20th of the month!!!                 *
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Hi everyone,

Nice to meet you again at our aspiring utility journal. Twelve pages were filled again with logs, QSL's, infos and bookreviews. For those of you, who like to write some (nice?) lines into the new EUNL Guestbook, please watch the link >>Guestbook<< at EUNL Homepage.

N D B

## EUNL2000

293	1850	OB	Brussel-Zaveltem	BEL	id + tone	pt53
293	2344	DEN	Denderhouten	BEL	id	pt53
295,5	1851	EM	Etamps/Mondesir	F	id + dash	pt53
296	1502	GR	Goeree Lightvessel	HOL	id	abNL
300,5	1559	LW	Koeln-Bonn	D	id + dot	pt53
305	1612	MST	Münster	D	id	pt53
309,5	2137	BA	Estaca de Bares Lt.	E	id + dash	pt53
314,5	1850	TL	Punta della Penna	I	id + dash	pt53
317	2142	VS	Valenciennes/Denain	F	id + tone	pt53
323	0132	SBL	Sherburn	G	id	rk50
326	0023	LLS	Lelystad	HOL	id	abNL+rk50
327	1533	MVC	Merveille	F	id +dash	abNL
328	2352	CL`E`	Carlisle	G	id	rk50
331	2102	S	Skelleftea	S	id	ai46
332	1801	LL	Lille/Lesquin	F	id	pt53
332	1534	NV	Nieuwkoop	HOL	id	abNL
332,5	0202	CAM	Cambridge	G	id	rk50
333	0137	SMF	Sheffield	G	id	rk50
334	1805	HDM	Coleman	D	id	pt53
334	1755	YN	La Roche sur Yon	F	id + 2 tones	pt53
334	2350	MR	Maribor	SVN	id + dash	pt53
335	1806	RIM	Rimini	I	id	pt53
335	2356	WCO	Westcott	G	id	rk50
336,5	2109	NIK	Nicky	BEL	id + tone	abNL+pt53
338	1555	RUD	Ruedesheim	D	id + tones	pt53
339	1625	OL	Shannon	IRL	id	pt53
340	0000	LSH`E`	Lashenden	G	id	rk50
340	0001	HAW	Hawarden	G	id	rk50
341	1106	LAU	Lichtenau	D	id	rk50
341	0120	EDN	Edinburgh	G	id	rk50
342,5	0121	NWI	Norwich	G	id	rk50
345	0127	FW	Rome	I	id	rk50
345	0234	LUT`E`	Luton	G	id	rk50
346	2136	WLU	Luxembourg	LUX	id	pt53
347	0128	MTN	Manston	G	id	rk50
350	1535	ROT	Rotterdam	HOL	id	abNL
352	0229	ENS	Ennis	IRL	id	rk50
352	0103	NEW	Newcastle	G	id	rk50
352,5	1536	DD	Oostende	BEL	id	abNL
354	2343	MTZ	Metz	F	id + tone	pt53
355	0145	PIK	Prestwick	G	id	rk50
357	0215	CAS	Turin	I	id	rk50
359	2317	LOR	Lorient	F	id + dash	pt53
360	1106	SR	Saarbrücken	D	id	rk50
360,5	2313	MAK	Mackel	BEL	id + tone	abNL+pt53
362	2031	SCF	Schweinfurt	D	id	rk50
362,5	0147	SND	Southend-on-Sea	G	id	rk50
365	1812	URZ	Urziceni	ROU	id	zeTC
365	0149	GY	London/Gatwick	G	id	rk50
365	0244	KIM	Humberside	G	id	rk50
365	1603	LJ	Koeln	D	id	abNL
365,5	1604	BC	Brasschaat	BEL	id	abNL
366	1813	KM	Kalmar	S	id	zeTC
366	1816	UTH	Oerland/Uthaug	NOR	id	zeTC
366	1820	SF	Falkoeping	S	id	zeTC
368	1908	FN	Skien/Geiterzgggen/Finndal	NOR	id	zeTC
369	1906	OS	Skelleftea	S	id	zeTC
369	1536	PS	Heenvliet	HOL	id	abNL
370	1623	PSA	Spessart	D	id	pt53
371	1910	HAA	Hamar/Stafsberg	NOR	id	zeTC
375	2241	VM	Vestmannaeyjar	ISL	id + dash	ai46
375	1602	OO	Oostende	BEL	id	abNL
376	1914	LN	Hulsfred	S	id	zeTC
376	1602	WP	Muiden	HOL	id	abNL
377	1916	KN	Norrkoeping/Kungsangem	S	id	zeTC
377	0211	CHT	Chiltern	G	id	rk50
379	1926	REK	Reksten	NOR	id	zeTC
380	1923	KN	Beograd/Krnjesevici	YUG	id	zeTC



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380	1929	NL	Moskva-Sheremetyevo	RUS	id		zeTC
380	1931	KA	Tirana-Rinas	ALB	id	vy good sig	zeTC
380	0039	BRI	Bristol	G	id		rk50
381	2145	AB	Akraberg	FAR	id		ai46
383	1937	SHD	Scottstownhead	G	id		ai46
383	1934	ERK	Erken	S	id		zeTC
383,5	1947	GUL	Gulpen	HOL	id		pt53
385,5	0121	KDN	Tunis	TUN	id		rk50
386	0148	LIN	Milano/Linate	I	id		rk50
386	1537	STD	Stad aan Haringvliet	HOL	id		abNL
386,5	0023	SLV	Spa/La Sauveniere	BEL	id		pt53
387	1538	ING	St.Inglevert	F	id		abNL
388,5	1537	CH	Buiten Kaag	HOL	id		abNL
393	1559	DEN	Dender	BEL	id + tone		abNL
394	1943	JOK	Kauhajoki	FIN	id		zeTC
394	0116	DND	Dundee	G	id		rk50
395	0015	KW	Kirkwall	G	id		rk50
395	1538	OA	Assendelft	HOL	id		abNL
396	1947	YG	Rygge/Enge	NOR	id		zeTC
396,5	0306	PY	Plymouth	G	id		rk50
397	1949	NF	Falkoeping	S	id		zeTC
397	1541	EHN	Eindhoven	HOL	id		abNL
399,5	1542	ONO	Oostende	BEL	id + dash		abNL
400	1951	BRZ	Rijeka/Krk/Breza	HRV	id		zeTC
404	1543	MRV	Merveille	F	id + dash		abNL
404,5	1543	RR	Rotterdam	HOL	id		abNL
406,5	1551	BOT	Bottrop	D	id		abNL
412	1955	I	Halli-India	FIN	id		zeTC
413,5	1958	GLT	Galati	ROU	id		zeTC
414	1957	SLB	Oslo/Fornebu/Solberg	NOR	id		zeTC
417	1817	LI	Düsseldorf	D	id		pt53
418	1944	ZW	Zeltweg	AUT	id		pt53
418	1321	MK	Calais/Marck	F	id+dash		abNL+rk50
419	1817	EMT	Epinal/Mirecourt	F	id + dash		pt53
420	1941	INN	Innsbruck/Igls	AUT	id		pt53
420	0027	BAZ	Bayreuth	D	id		pt53
420	0302	LGS	Plattform Loggs	G	id		rk50
421	0010	BUR	Burnham	G	id		rk50
423	0117	CWL	Cranwell	G	id		rk50
424	0007	PIS	Zagreb/Pisarovina	HRV	id+dash		rk50
424	0148	HRW	London/Heathrow	G	id		rk50
426	0006	HWQ	Plattform Hewett	IWA	id		rk50
431	0005	SAY	Stornoway	G	id		rk50
431	1546	ONT	Kleine Brogel	BEL	id + tone		abNL
436	0153	FRA	Sarajevo	BIH	id+dash		rk50
484	2008	IA	Brest	BLR	id + tone		zeTC
520	1728	BS	Budaoers	HNG	id		zeTC

## F I X E D

2122	2010		unid	?	cw-svc-tfc to unid		ti25
2219	2110	KF5L	unid F mil	F	USB communicat. training?		ti25
2804	2156		unid	?	cw-msg 5ng, 0=T		ti25
3195	2325		Ny Ustinov	RUS	cw-channelmarker `R`		ti25
3283	1656		unid	?	cw-msg 5lg		ti25
3286	1657		unid	?	cw-msg, cyrilic text		ti25
3296	2028		unid	?	cw-msg 5ng		ti25
3322	2029		Ny Ustinov	RUS	cw-channelmarker `R`		ti25
3338	2327		Ny St. Petersburg	RUS	cw-channelmarker `L`		ti25
3372	1658		unid	?	cw-msg 5lg, cyrilic		ti25
3767,5	1702	FDC	AF Metz	F	cw-id vvv vvv vvv		ti25
3768,5	1826	FDC	AF Metz	F	cw-id vvv vvv vvv		ti25
3886,5	1830	AE1BC	unid MARS, any help?	D?	LSB wkg AEM1AC		ti25
3886,5	1835	AE1AM	unid MARS, any help?	D?	LSB clg AM1AB, chat		ti25
4461	2144		Numbers X22 (MOSSAD)	ISR	AM msg 5lg		ti25
4489	1706		unid	?	cw-msg 5lg, cyrilic		ti25
4558,5	2047	FDI8	AF Nice	F	cw-id vvv vvv vvv		ti25
4559	2146		Numbers EM01 (unid Intels)	RUS	AM msg 5ng		ti25

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4560	1753		Numbers X24 (MOSSAD)	ISR AM msg 5lg	ti25
4637,5	1758	FDG	AF Bordeaux	F cw-id vvv vvv vvv	ti25
4762	1707		unid	? cw-msg 5lg, cyrilic	ti25
4880	1708		Numbers X27 (MOSSAD)	ISR AM msg 5lg, 30 groups	ti25
5064	1805	9MB	Ny Lumut	MLA cw-id vvv vvv vvv	ti25
5091	1710		Numbers X29 (MOSSAD)	ISR AM msg 5lg	ti25
5170	2347		Numbers X30 (MOSSAD)	ISR AM `SYN2`	ti25
5213	1711		unid	? cw-msg 5ng	ti25
5228	2109		unid	? cw-msg 5ng, very slow!	ti25
5387	1822	FDI22	AF Narbonne	F cw-id vvv vvv vvv	ti25
5422	2206		Numbers LP01 (MI6)	CYP USB 32180	ti25
5431,2	2243	L9CC	unid, tactical	? cw-cont. CP17 DE L9CC V	ti25
5435	1713		Numbers X33 (MOSSAD)	ISR AM msg 5lg	ti25
5820	1830		Numbers X35 (MOSSAD)	ISR AM YHF, group 48	ti25
6270	1942		Numbers X36 (MOSSAD)	ISR AM msg 5lg	ti25
6491	2200	RG90	UNID	? CW rgg90 zlw t1 tt k sev.reppcG	ti25
6765	1841		unid, Bangkok Meteo?	? USB very weak signal	ti25
6780	2111		Numbers E09 (CIA)	USA USB msg 5ng	ti25
6782	1701		unid	? cw-cont. 749 749 74 1	ti25
6815	0758	ICI 01	MRSC Genova	I usb,I wkg Vessel IGKA	pt53
6815	0739	ICI 02	MRSC Livorno	I usb,I/E clg ICI 11	pt53
6815	0719	ICI 03	MRSC Fiumichino	I usb,r/ch with IKGA	pt53
6815	0737	ICI 06	MRSC Bari	I usb,I/E r/ch with ICI	pt53
6815	0722	ICI 07	MRSC Ancona	I USB clg ICI 10	pt53
6815	0722	ICI 08	MRSC Ravenna	I usb,E/I r/ch with ICI 07	pt53
6815	0746	ICI 09	MRSC Palermo	I usb,I clg ICI	pt53
6856,5	1920	FDG	AF Bordeaux	F cw-id vvv vvv vvv	ti25
6871,5	1644	FDG	AF Bordeaux	F cw-id vvv vvv vvv	ti25
6947,5	1731		unid	? cw-cont.13-634012 634015-99	ti25
6954	1644		unid	? cw-msg 5lg	ti25
6996	1220	AEM1AM	MARS	D usb,E,wkg AEM1USA	pt53
6996	1220	AEM1USA	MARS Sembach	D usb,E,wkg AEM1AM	pt53
6996	0826	AEM1AT	MARS	D usb,E,wkg AEM1AM	pt53
6999	1218	AEM1AM	MARS	D LSB,E,wkg AEM1USA	pt53
6999	1219	AEM1USA	MARS Sembach	D LSB,E,wkg AEM1AM	pt53
7572	2000	FDC	AF Metz	F cw-id vvv vvv vvv	ti25
7592,5	2001	FDI8	AF Nice	F cw-id vvv vvv vvv	ti25
8464	1745		Numbers LP08 (MI6)	CYP USB msg 5ng	ti25
9251	2104		Numbers LP09 (MI6)	CYP USB clg 19483	ti25
10355	1917	4XZ	Ny Haifa	ISR cw-id vvv vvv vvv	ti25
11545	1744		Numbers LP11 (MI6)	CYP USB msg 5ng	ti25
28175	1303	VE3TEN	PB Ottawa	CAN dash, cw-id	egCH
28185,7	1537	ZS3PW	PB Pretoria	AFS cw-id + dash	egCH
28194	1235	A47RB	PB Oman	OMA cw-id + dash	egCH
28200	1259	4X6TU	PB Tel Aviv	ISR cw-id	egCH
28200	1300	YV5B	PB Caracas	VEN cw-id	egCH
28200	1300	4U1UN	PB UN New York	USA cw-id	egCH
28200	1130	PY3ARL	PB Pt. Alegre	B cw-id	egCH
28246	1155	VE9BEA	PB Crabbe Mountain	CAN cw-vvv	egCH
28263	1307	VA3SRC	PB ODXA Toronto	CAN cw-vvv	egCH
28280	1505	K5AB	PB Centraltexas	USA cw-id + dash	egCH
28296,1	1302	W3VD	PB Laurel, MD	USA dash + cw-id	egCH

## M A R I T I M E

1641	2042	OXJ	Torshavn R.	FAR usb,Vn,tfc	pt53
1650	2105		CROSS Corsen	F usb,F,wx	pt53
1677	2334		Cabo Penas R.	E USB,E/S id,tfc list	egCH
1677	2241	EAS	Cabo Penas Radio	E USB nav-wngs in Sp	ti25
1728	2008	LGN	Bergen R.	NOR usb,E/Norw.,nav. warning	pt53
1755	2033	EAO	Palma R.	E usb,E/S,id,nav. warn.	pt53
1782	2004	LFO	Orlandet R.	NOR usb,Norw./E, gale-warning	pt53
1869	2042		Yarmouth CG	G usb,E,wx	pt53
2182	2004		Cabo de Gata R.	E USB,E/S id,QSY 1767	egCH
2182	2035	OSU	Oostende R.	BEL usb,E/Dutch,QSY 2761	pt53
2182	2035	EAO	Palma R.	E usb,E/S QSY 1755	pt53
2182	2035		Machichaco R.	E usb,E/S QSY 1707	pt53
2182	2105		CROSS Corsen	F usb,F,QSY	pt53

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2182	1942	Humber CG	G	usb,E,QSY 2226	pt53
2182	2040	Yarmouth CG	G	usb,E,QSY 1869	pt53
2182	2122	PBK Netherlands CG	HOL	usb,E,ID,clg C6K09	pt53
2182	2216	IAR Rome R.	I	usb,E/I,QSY 1888	pt53
2182	2035	ICB Genova R.	I	usb,E/I,QSY 2642,1925	pt53
2182	1938	IDC Cagliari R.	I	usb,E/I QSY 2680,2719	pt53
2182	1938	IPB Bari R. + Crotone	I	usb,E/I,QSY 2579,2663	pt53
2182	2118	IPL Livorno R.	I	usb,E,Pan Pan	pt53
2182	2221	IPP Palermo R.	I	usb,E/I,QSY 2632,1852	pt53
2182	2219	IQX Trieste R.	I	usb,E/I,QSY 1855,2624,2656	pt53
2182	2035	EJM Malin Head R.	IRL	usb,E,QSY 1677	pt53
2182	2004	LFO Orlandet R.	NOR	usb,E/Norw.,QSY 1782	pt53
2182	2008	LGN Bergen R.	NOR	usb,E/norw.,QSY 1728	pt53
2182	1933	LGQ Rogaland R.	NOR	usb,E/norw. QSY	pt53
2182	1933	SPH Gdynia R.	POL	usb,E/POL,QSY 1692	pt53
2182	2207	SAE Tingstäde R.	S	usb,E,QSY 2768	pt53
2182	1933	SDJ Stockholm R.	S	usb,E,QSY	pt53
2182	2313	OVK Ny Aarhus	DNK	USB clg OVP1, no luck!	ti25
2182	2321	OXZ Lyngby Radio	DNK	USB clg OVB1, no luck!	ti25
2226	2342	Humber Coastguard	G	usb,E,gale-warning	pt53
2326	2012	German Ships	IW	USB smalltalk: storms	ti25
2366	2115	Dutch Ships	IW	USB smalltalk: timesceds	ti25
2391	2013	Dutch Ships	IW	USB smalltalk: xmas-shopping	ti25
2401	2014	Dutch Ships	IW	USB smalltalk: Christmas	ti25
2436	2019	German Ships	IW	USB smalltalk: Harbours	ti25
2632	2237	IPP Palermo R.	I	usb,E/I,id,gale-warning	pt53
2716	2024	IZN Porto Torres Radio	I	USB wkg nav-wngs	ti25
3282	2216	German Ships	IW	USB smalltalk: weather	ti25
4154	.3 2156	DRHF FGS ALSTER	IW	USB wkg DHJ59, svc-tfc	ti47
4256	2036	A9M Bahrain Radio	BHR	cw sitor-clover-id	ti25
4262	2038	LFI Rogaland Radio	NOR	cw sitor-clover-id	ti25
4284	2237	A9M Bahrain Radio	BHR	cw id CQ DE A9M CQ DE A9M	ti25
4294	2041	SXA34 Ny Spata Attikis	GRC	cw id VVV VVV VVV	ti25
6326	2256	XSG Shanghai Radio	CHN	cw sitor-id	ti25
6330	.5 2259	8PO Barbados Radio	BRB	cw sitor-clover-id	ti25
6467	2135	VTG5 Ny Mumbai	IND	CW v mkr	pcG
6493	.5 1701	LYL Klaipeda R.	LTU	cw-cq + tfc list	rk50
8335	.3 2214	DRDV FGS U-28	IW	USB wkg DHJ59 opchat	ti25
8419	2010	VIP Perth Radio	AUS	cw sitor-clover-id	ti25
8419	.5 2059	NOJ USCG Kodiak	ALS	cw sitor-id	ti25
8426	.5 1904	WCC Chatham Radio, MA	USA	cw sitor-clover-id	ti25
8426	.5 1905	9VG Singapore Radio	SNG	cw sitor-id	ti25
8427	.5 2137	A9M Bahrain Radio	BHR	cw sitor-id	ti25
8435	2138	VCT Tors Cove Radio	CAN	cw sitor-clover-id	ti25
8442	1600	TCR Tophane Kulesi R.	TUR	cw-cq + tfc list	rk50
8445	1455	A4M Muscat R.	OMA	cw-de	rk50
8448	1945	A9M Hamala R.	BHR	CW cq mkr	pcG
8448	1510	5AB Benghazi R.	LBY	cw cq (listed 8450!)	hb31
8450	1352	5AB Benghazi R.	LBY	cw-cq	rk50
8451	1603	UBF2 Sankt Petersburg R.	RUS	cw-clg 4LT3	rk50
8473	.5 1933	A7D Doha R.	QAT	CW de a7d mkr	pcG
8476	1950	9VG56 Singapore R.	SNG	CW cq mkr	pcG
8496	2130	CLA20 Havana R.	CUB	CW cq mkr + full info	pcG
8506	2136	TAH Istanbul R.	TUR	CW de-weak+not//8662-not listed	pcG
8506	1507	XSX Keelung R.	TWN	cw-cq	rk50
8510	1508	J2A Djibouti R.	DJI	cw-cq de j2a/jsa8 egCH+	rk50
8511	1250	XSW2 Taichung R.	TWN	cw-cq	rk50
8515	2140	5AT Tripoli R.	LYB	CW v/cq-signal now clean!	pcG
8518	1600	DZX Manila R.	PHL	cw-vvv,cq,wx (INFO PLS!!)	hb31
8522	2248	CBV Playa Ancha R.	CHL	cw-vvv qsx	pt53
8586	0924	USO Izmail R.	UKR	CW fast tfc b/c	pcG
8590	1616	VTK Ny Tuticorin	IND	cw-vvv	rk50
8590	2028	VTK Ny Tuticorin	IND	cw VVV VVV VVV VTK2\3\4	ti25
8636	2030	HLW Seoul Radio	KOR	cw id VVV VVV VVV CQ CQ CQ	ti25
8662	2135	TAH Istanbul R.	TUR	CW de tah... mkr	pcG
8663	1301	KEJ Kahalelani R.	HWI	dig &+ cw-id	rk50
8665	2033	XSG Shanghai Radio	CHN	cw CQ CQ DE XSG XSG PLS UP	ti25
8691	1233	XST Qingdao R.	CHN	cw-cq	rk50

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8694	1237	XSZ	Dalian R.	CHN	cw-cq	rk50
8737	2045	5BA	Cyprus Radio	CYP	USB voice-mirror	ti25
12610,5	2006	VCT	Tors Cove Radio	CAN	cw sitor-clover-id	ti25
12721	1611	SPH	Gdynia R.	POL	cw-cq	rk50
12811,3	1014	HZY	Ras Tanura R.	ARS	cw-tfc list	rk50
12832,5	1200	JFC	Misaki Fishery R.	J	cw-cq	rk50
12965	0928	USO	Izmail R.	UKR	CW fast tfc b/c	pcG
12973	1316	UIW	Kaliningrad R.	KAL	CW long msg - news?	pcG
13010	1305	AQP6	Ny Karachi	PAK	CW v mkr	pcG
16909,7	0929	USO	Izmail R.	UKR	CW fast tfc b/c	pcG
16940	1020	XSW	Kao-hsiung R.	TWN	CW	pcG
16942,5	1438	9AR	Rijeka R.	HRV	cw-vvv	egCH
16960	1014	HZY	Ras Tannura R.	ARS	CW qtc list + off	pcG
17090	0732	UAI3	Nakhodka R.	RUS	cw-vvv (fast cw)	ai46
17090	0840	UAI3	Nakhodka R.	RUS	cw-vvv	rk50
17164,8	1933	ZSC7	Capetown R.	AFS	CW cq mkr	pcG
17165,6	1950	CLA41	Havana R.	CUB	CW cq + info mkr	pcG
17175,5	1245	A9M	Hamala R.	BHR	CW cq mkr	pcG
17239,7	1438	PKX	Jakarta R.	INS	cw-cq	egCH

## A E R O (Ground - stations)

2591	2023	ARCHITECT	RAF Upavon	G	USB wkg wx to unid	ti25
3413	1822		Shannon Volmet	IRL	USB wx for Turin	ti25
4663	2010		Tashkent Volmet	UZB	E wx	hb31
4712	1759		Jerevan Aero	ARM	USB wkg unid, opchat, svc	ti25
4742	1800	ARCHITECT	RAF Upavon	G	USB wkg QNH-wx	ti25
5450	1824	MVU	RAF Upavon Volmet	G	USB wkg wx Ancona, Aviano.	ti25
5517	2336		Nairobi Aero	KEN	usb,E,clg Mogadishu Aero	pt53
5517	2300		Seychelles Aero	SEY	usb,wkg Nairobi Aero	pt53
5517	1720		Aero Tripoli	LBY	USB wkg AMBER 310	ti25
5589	2019		EI A1	ISR	usb,hebr.,wkg UNID a/c	pt53
5687	0659	DHM 91	AF Münster	D	usb,E,D, wkg Airforce 268	pt53
5687	0656	DHO 23	AF Landsberg	D	usb,E,r/ch with DHM 91	pt53
5687	0841	NI81	GAF Piacenza	I	usb,r/c w/DHO32	ai46
5687	0841	DHO32	AF wunstorf	D	usb,r/c w/NI81	ai46
6628	2252	CSY	Santa Maria Aero	AZR	usb,E,wkg Iberia 5275	pt53
6676	1941		Bangkok Volmet	THA	usb,E,ID, Volmet	pt53
8879	2256		Bombay Aero	IND	usb,E,wkg Indonesian 975	pt53
8879	2253		Nairobi Aero	KEN	usb,E,clg Seychelles Aero	pt53
8888	1805		Luanda Aero	AGL	usb,E,wkg a/c	pt53
8891	1545		Iceland Aero	ISL	usb,E,wkg N1GC	pt53
8903	0017		Ndjama Aero	TCD	usb,E,wkg KLM 594	pt53
8918	1851		Jeddah Aero	ARS	usb,E,wkg Saudia 161	pt53
8927	2024		Saudia Jeddah	ARS	usb,E,wkg Saudia 1084	pt53
10030	1835		Aero Lloyd	D	usb,G,clg AeroLloyd 17	pt53
10780	0051		Cape R.	USA	USB ID,tfcDiscovery launch	egCH
11175	1006	XPH5	USAF Thule	GRL	usb,E,wkg Reach 61	pt53
11336	1809		Gander Aero	CAN	usb,E,wkg United Airlines	pt53
11362	1129		tent. Aeroflot	RUS	usb,Ru,tfc	pt53
11363	1004	YF	LDOC EasyJet Airlines	G	usb,E,wkg Easy 671	pt53
11363	0847		Monarch Ops	G	usb,E,wkg a/c	pt53
11363	1345		TAROM Bucuresti	ROU	usb,Roum., wkg a/c	pt53
23210	1035	SDJ	Stockholm Radio	S	usb,E,wkg Germania DAGY	pt53

## A E R O (aircraft)

Nothing to report!?!?

## D I G I T A L

85	2250		DECCA stn Puckeridge (chain 5B)	G	id pulses	abNL
100	2143		LORAN-C stations		id pulses	abNL
113,3	2258		DECCA station Shotisham (chain 5B)	G	id pulses	abNL
127,5	2256		DECCA station East Hoathley (chain 5B)	G	id pulses	abNL
129,1	2211	DCF49	ERF Berlin(tx Mainflingen)	D	ASCII 200 Ripple control	abNL
139	2215	DCF39	ERF Berlin(tx Mainflingen)	D	ASCII 200 Ripple control	abNL
144,6	1317		Datatrak station	HOL	Databursts	abNL

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147,3	2213	DDH47	Hamburg Meteo	D	RTTY 50 RY	abNL
147,3	2137	DDH47	Meteo Quickborn	D	RTTY50 id,RY	ti25
518	0800		CROSS Corsen	F	FEC Navtex, id A	abNL
518	2243	EJM	Malin Head Radio	IRL	FEC Navtex, id Q?	abNL
518	2155	GCC	Cullercoats Radio	G	FEC Navtex, id G	abNL
518	2300	GNI	Niton Radio	G	FEC Navtex, id S	abNL
518	2140	GNI	Niton Radio	G	FEC Navtex, id K	abNL
518	2148	LGQ	Rogaland Radio	NOR	FEC Navtex, id L	abNL
518	2200	OST	Oostende Radio	BEL	FEC Navtex, id M	abNL
518	2155	PBK	Netherlands CG	HOL	FEC Navtex, id P	abNL
518	2128	SDJ	Stockholm Radio (loc Gislovshammar)	S	FEC Navtex, id JabNL	
518	2310	OST	Oostende Radio	BEL	FEC Navtex, id T	abNL
2074	1956	FUO	Ny Toulon	F	RTTY100 FUO 2074 RFFLRAM LMTi25	
2201	1650		unid, NATO?	?	RTTY75 online encrypted	ti25
2204	2247	MGJ	Ny Faslane	G	RTTY75 CARB	ti25
2243	2114		unid	?	RTTY75 online encrypted	ti25
2430	2117		unid, NATO?	?	RTTY75 online encrypted	ti25
2474	2308	PBC	Ny Noordwijk	HOL	RTTY75 CARB	ti25
2529,5	2211		unid	?	Sitor-A ending, BRK?	ti25
2608,5	2312	FUO	Ny Toulon	F	RTTY75 RY-SG	ti25
2780	1820	FUC	Ny Cherbourg	F	rtty 75 msgs,ID	pt53
2789	2315	FUE	Ny Brest	F	RTTY75 TESTING, RY-SG	ti25
2806	2157	IGJ	Ny Augusta	I	RTTY100 CARB	ti25
2815	2316	IDR	Ny Roma	I	RTTY75 CARB	ti25
2829,5	2159	SPB	Szczecin Radio	POL	Sitor-B svc-info, qrg-list	ti25
2840,7	2306		CG Cuxhaven	D	SITOR-B-100wx f/ DLGZ ti25+zeTC	
2845	2317	PBB	Ny Den Helder	HOL	RTTY75 CARB	ti25
3130	1654		unid, NATO	?	RTTY75 online encrypted	ti25
3172,5	2319	IDR31	Meteo Roma	I	RTTY50 AAXX-reports	ti25
3196	2320	OLB7	Meteo Praha	CZE	RTTY50 AAXX-reports	ti25
3360	2212	RPN71	Kiev Meteo	UKR	WEFAX-90/576 surface anal	zeTC
3764,4	1825	PBB	Ny Den Helder	HOL	RTTY75 CARB	ti25
3875	2155	RCI72	Moskva Meteo	RUS	WEFAX-observed plotted chart	zeTC
3899,2	2332	RFFA	FF Paris	F	ARQ-M2 200 idle	ti25
4022	2228	FDI8	AF Nice	F	RTTY50 VOYEZ LE BRICK....	ti25
4189,5	1919		unid vessel	IW	RTTY50 wkg Sevastopol,telex	ti25
4214	2230	IDR	Ny Roma	I	RTTY75 CARB	ti25
4216,5	2030	IAR	Roma Radio	I	Sitor-A wkg VTXG, ending	ti25
4221	1856	GYU	GNY Gibraltar	GIB	RTTY75 CARB	ti25
4227	2334	IGJ	Ny Augusta	I	RTTY100 CARB	ti25
4237	2335	FUO	Ny Toulon	F	RTTY75 RY-SG	zeTC+ti25
4280	2040	PBC	Ny Noordwijk	HOL	RTTY75 CARB	ti25
4295	2337	FUE	Ny Brest	F	RTTY75 TESTING, RY-SG	ti25
4322	1904	MGJ	NY Faslane	G	RTTY75 CARB + LF-State	ti25
4440	1923		unid	?	ARQ-E 184 idle	ti25
4510	2200		unid	?	ARQ-E 184 idle	ti47
4595,5	1755	FDI22	AF Narbonne	F	RTTY50 VOYEZ LE BRICK ...	ti25
4613,1	1757		unid	?	RTTY75 encrypted	ti25
4991,7	2342	RFFVAY	FF Sarajevo	BIH	ARQ-M2 200 idle	zeTC+ti25
5055	1932		unid	?	ARQ-E 184 idle	ti25
5064	2250	RFF--	FF Paris?	F	ARQE/72/400 UIF(ufi) idle	pcG
5064	2139		unid	?	ARQ-E 72 idle	ti25
5097	2144	CFH	Ny Halifax	CAN	RTTY75 id, ZKR-tape	ti25
5100	2220	BDF2	Shanghai Meteo	CHN	WEFAX-120/576 chinese text	zeTC
5145	1809		unid	?	RTTY75 encrypted	ti25
5221	2146		unid	?	ARQ-E 72 idle	ti25
5257,5	2210	FDI22	AF Narbonne	F	RTTY50 VOYEZ LE BRICK ....	ti25
5262,5	1916		unid	?	ARQ-E 72 idle	ti25
5272	1920		unid	?	RTTY50 encrypted	ti25
5315	1820	BJZ27	Meteo wuhan	CHN	RTTY75 AAXX-reports	ti25
5327	2148		unid SUI diplo	?	Sitor-A opchat in FF	ti25
5400	1938	YOG37	Meteo Bucuresti	ROU	RTTY50 AAXX-reports	ti25
5412	2242		unid	?	RTTY75 online encrypted	ti25
5441	1823		unid	?	RTTY75 encrypted	ti25
5473	2115		unid	?	RTTY50 online encrypted	ti25
5730,9	1640	FDI22	AF Narbonne	F	RTTY-50/850 test de FDI22	zeTC
5754	1927		unid	?	ARQ-E 72 idle	ti25
5771	1829		unid, NATO?	?	RTTY75 encrypted	ti25

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5830	1520	BAW	UNID	? RTTY-75/525 BAW BAW BAW ry	zeTC
5887,5	2209	IMB32	Meteo Roma	I RTTY50 AAXX-reports	ti47
6266	1836		unid vessel	IW Sitor-A wkg ship-status-msg	ti25
6316	2043	UFN	Novorossiisk Radio	RUS Sitor-A wkg UIGX, svc-tfc	ti25
6319,5	2030	UCE	Arkhangelsk Radio	RUS Sitor-A wkg UIJP, opchat	ti25
6327,5	2201	UAT	Moskva Radio	RUS Sitor-B tfc-list	ti25
6330	0446	LZW34	Varna R	BUL SITOR-B-100 tfc list	zeTC
6330	1849	LZW	Varna Radio	BUL Sitor-B tfc-list	ti25
6348	1840	FUE	Ny Brest	F RTTY150 TESTING, RY-SG	ti25
6365,2	1951	VTH	Ny Mumbai	IND RTTY50 id, RY	ti25
6389	2154	CTP	Ny Oeiras	POR RTTY75 NAWS, QSX ...	ti25
6507	2125	VTP	Ny Vishakapatnam	IND RTTY50 id, RY-SG	ti25
6845,7	2057		unid EGY diplo	? Sitor-A arab text, ATU-80	ti25
6856,6	1943		unid EGY diplo	? Sitor-A arab text	ti25
6882	2302		unid	? RTTY75 offline encrypted	ti25
6887	2305		unid	? ARQ-E 184 idle	ti25
6929	1714		unid	? ARQ-E 184 idle	ti25
6965	2307		unid	? RTTY75 online encrypted	ti25
6982	1947		unid	? ARQ-E 184 idle	ti25
7525	1718		unid	? Sitor-A opchat, simplex-net	ti25
7573	1923		unid, NATO?	? RTTY75 encrypted	ti25
7597	1647		unid	? TTY 75 encrypted	ti25
7601,9	1848	FDI22	AF Narbonne	F RTTY50 VOYEZ LE BRICK ....	ti25
7646	2309	DDH7	Meteo Quickborn	D RTTY50 id, RY	ti25
7716	1410	RFF	FF Ajaccio	F ARQ-E3-192 idling only	zeTC
7755,2	1854	RFQP	FF Djibouti	DJI ARQ-M2 200 idle	ti25
7831,6	2134	5ST	Antannanarivo Aero	MDG ARQ-E3 48 idle	ti25
8050,2	2211	RFQP	FF Djibouti	DJI ARQ-M2 200 idle	pcG+ti25
8063,2	1726	RFFA	FF Paris	F ARQ-M2 200 idle	ti25
8094,7	2126	RFFA	FF Paris	F ARQ-E3 200 idle	ti25
8108,2	2216	RFQP	FF Djibouti	DJI ARQ-M2 200 idle	ti47
8144	0738		Moskva Meteo	RUS WEFAX-120/576 surface anal	zeTC
8151	1727	IGJ	Ny Augusta	I RTTY100 CARB	ti25
8192	1953	9MR	Ny Johore Baharu	MLA RTTY50 id, RY-SG	ti25
8194	1728	FDY	AF Orleans	F RTTY50 VOYEZ LE BRICK ....	ti25
8298	1922	VTP	Ny Vishakapatnam	IND RTTY50 id, RY-SG	ti25
8302	1656	62WIO	UNID (ship?)	? RTTY-100/825 67YTR de 62WIO	zeTC
8337,7	1707		unid, intership?	? Sitor-A opchat	ti25
8378	1926	UIP ???	unid, vessel?	? Sitor-B EE-text	ti25
8382,5	1727		unid vessel	IW Sitor-A wkg Mariupol, rout	ti25
8392,5	1733	UCUT	unid vessel	IW Sitor-A wkg Novorossiisk	ti25
8394,5	1741		MV TASR (?)	IW Sitor-A wkg Varna R., opchat	ti25
8419	2046	VIP	Perth Radio	AUS Sitor-B svc-info, tfc-list	ti25
8420,5	1831	HEC	Bern Radio	SUI Sitor-B service-info, tfc	ti25
8421,5	1905	LZW	Varna Radio	BUL Sitor-B service-info,	ti25
8422,5	1652	USU	Mariupol Radio	UKR Sitor-A wkg MT IVANOVO, USMV	ti25
8424	2133	SVA	Athinai Radio	GRC Sitor-B wx Medierranean	ti25
8431,5	1731	ZSC	Capetown Radio	AFS Sitor-B wkg wx Atlantic	ti25
8432,5	2222	UFN	Novorossiisk Radio	RUS Sitor-A wkg UFJR, telex	ti25
8434,5	2219	TAH	Istanbul Radio	TUR Sitor-B tfc-list	ti47
8435	1907	VCT	Tors Cove Radio	CAN Sitor-B tfc-list, idle, tx	ti25
8439	1842	PBC	Ny Noordwijk	HOL RTTY75 CARB	ti25
8453	1845	RFFME	Ny Paris	F RTTY150 TESTING, RY-SG	ti25
8473	1945	HLF	Seoul R. (Globe)	KOR SITOR/A tlx/cw mkr	pcG
8475,5	2001	FUX	FNy Le Port	REU RTTY75 TESTING, RY-SG	ti25
8478,5	2002	FUF	FNy Fort de France	MRT RTTY75 TESTING, RY-SG	zeTC+ti25
8538	2020	6WW	FNy Dakar	SEN RTTY75 TESTING, RY-SG	ti25
8551,5	2021	CTP	NATO Oeiras	POR RTTY75 NAWS, QSX ...	ti25
8568	2023	FUV	Ny Djibouti	DJI RTTY75 TESTING, RY-SG	ti25
9041	1953	5YE	Meteo Nairobi	KEN RTTY100 AAXX	ti25
9110	2117	NMF	USCG Boston	USA WEFAX-120/576 wave fcst	zeTC
9130	2237	MGJ	Ny Faslane	G RTTY75 CARB	ti47
9150	1306	RCH73	Tashkent Meteo	UZB WEFAX-90/576 karta AT-500	zeTC
9405	2055		unid	? RTTY75 encrypted	ti25
10061,7	1915		EGY Emb Roma	I Sitor-A wkg msg 5lg, ATU-80	ti25
10536	0810	CFH	CF Halifax	CAN WEFAX-120/576 sign wavefcst	zeTC
10555	0800	AXI34	Darwin Meteo	AUS WEFAX-120/576 swell fcst	AUSzeTC
10865	1647	NAA	Ny Cutler	USA FAX-120/576 idling only	zeTC

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10873,7	1741	RFVI	FF Le Port	REU ARQ-E3 100 idle	ti25
10945	1955	CFH	Ny Halifax	CAN RTTY75 NAWS, ZKR-tape	ti25
11030	0750	AXM34	Canberra Meteo	AUS WEFAX-120/576 wind fcst AUSzeTC	
11039	1958	DDH9	Meteo Quickborn	D RTTY50 AAXX-reports	ti25
11080	1749	YKP28	SANA Damascus	SYR RTTY50 arab-px	ti25
11110,5	1939	RFLI	FF Fort de France	MRT ARQ-E3 192 idle	ti25
11631,7	0110	RFTJ	FF Dakar	SEN ARQ-E3-192 idling only	zeTC
12086,6	1752		unid FF	? ARQ-E3 192 idle	ti25
12090,2	1947	RFTJ	FF Dakar	SEN ARQ-E3 192 idle	ti25
12093,8	1755		unid FF	? ARQ-E3 192 idle	ti25
12512	1759	USCQ	MV IVAN KOROTEYEV	IW Sitor-A wkg tlx to unid	ti25
12512,5	1757		unid vessel	IW Sitor-A wkg Mariupol,ending	ti25
12573	1804		unid, Intership ops?	IW Sitor-A opchat, msg-blocks	ti25
12599,5	1001	UAT	Moskva R	RUS SITOR-B-100 tfc list	zeTC
12601	1801	ZSC	Capetwon Radio	AFS Sitor-B wkg Atlantic-wx	ti25
12666,4	1829	RFFME	Ny Paris	F RTTY150 ZUI TESTING, RY-SG	ti25
12877,5	1518	UIW	Kaliningrad Radio	RUS RTTY 50 RY tape	abNL
13022	1301	SPB	Szczecin R.	POL SITOR/A cw/tlx mkr	pcG
13063,5	0835	VIE	Darwin R. (Globe)	AUS SITOR/A tlx/cw mkr	pcG
13066,5	0840	VIE	Darwin R. (Globe)	AUS SITOR/A tlx/cw mkr	pcG
13418	0910	RFF-	FF Paris	F ARQE/72/400 UIF de rffedc	pcG
14621,7	1013		MFA Cairo	EGY SITOR-A-100 5 lgs	zeTC
14722,2	0900	??	UNID	? 150/850 cont	pcG
14799	1005	RFF	FF Novo Selo	BUL ARQE/72/400 UFI de rffedfi	pcG
14837.9	1210	??	DCN UNID	? PICC/6 s/cham idle + crypto	pcG
18254	0958	SUU	Cairo Meteo	EGY RTTY-100/850 AAXX SYNOP	zeTC
19696,5	1930	8PO	Bridgetown R.	BRB SITOR/A tlx/cw mkr	pcG
19697,5	1334	SPB71	Szczecin R.	POL SITOR/A cw/tlx mkr	pcG
19724,5	1330	UIW	Kalinihrad R.	RUS ITA2/50/170 ryry + cq mkr	pcG
20715,5	1300	??	DCN UNID	? PICC/6 s/cham idle	pcG
20805,2	1100	RFQP	FF Djibuti	DJI ARQE3/200/400/2ch QRG/QPF	pcG
20975	1930	P6Z	Paris MFA	F FEC/A/192/400 idling	pcG
22383,5	1818	WLO	Mobile R.	USA SITOR/A tlx/cw mkr	pcG

## T I M E S I G N A L

60	2142	MSF	TS Rugby	G id Timesignals	abNL
75	2238	HBG	Observatoire de Neuchatel	SUI id Timesignals	abNL
77,5	2143	DCF77	PTB Mainflingen	D id Timesignals	abNL
5000	1930	BPM	SAO Lintong	CHN cw-id, into voice-id,time	ti25

## Q S L - R E V I E W

ITU Station	days	rvcd/gvn	QRG	Call	Power	name
AUT-NDB Zeltweg	44	lt,ppc,Sti/vc, IRC	418	`ZW		pt53
BEL-Eclipse PB Arlon	44	ppc	7012,5	ON4UBA/B	600 w	egCH
BEL-Eclipse PB Ghent	44	ppc	1831,5	ON4UBA/B	600 w	egCH
CAN-CCG Iqaluit	32	f/d lt	2514	VFF		lrG
CAN-ODXA PB Toronto	25	f/d cd, pers. Lt,i	28263	VA3SRC	5 w	egCH
CAN-PB Crabbe Mountain	21	f/d lt, pers. Lt	28246	VE9BEA/A	1,5 w	egCH
CAN-PB St Agnes,Quebec	65	f/d c	28196	VA2MGL/BCN	2 w	egCH
CHL-Puerto Montt Aero	38	n/d lt (rcvd regist.)	10024			lrG
D -NDB Fritzlär	24	cd/vc, ms	468	`FTZ	40 w	pt53
D -NDB Wiesbaden	24	ppc/vc, ms	399	`WBD	50 w	pt53
DJI-Djibouti R.	17	pl,ppc	8682	J2A8		egCH
DNK-NDB Odense	29	f/d lt	423	`FE`	25 w	lrG
E -Cabo Penas R.	12	f/d cd via Madrid	1677		1000 w	egCH
E -NDB Bilbao	8	ppc/SAE	395	`B`		lrG
E -NDB Cabo Villano	15	l/vc, IRC	290,5	`VI		pt53
E -NDB Domingo	8	ppc/SAE	409	`DGO`		lrG
E -NDB Gerona	23	f/d lt/ms	412	`GRN`		lrG
E -NDB Granada	12	n/d lt	412	`GRA`		lrG
E -NDB San Sebastian	8	ppc/SAE	328	`HIG`		lrG
E -NDB Vitoria	12	n/d lt	345	`VTA`		lrG
EQA-Guayaquil R.	24	ppc,pers.lt	12711	HCG	300 w	egCH
F -CROSS Gris-Nez	5	n/d lt,i (FAX RR)	2812		250 w	egCH
F -CROSS Med	71	f/d lt (FAX RR)	2812		500 w	egCH

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F	-CROSS Soulac	5	f/d lt, picture	2182				egCH
F	-FF Mons Valerien	54	ppc, blank Ham-cd	6825	FAV22	1000	w	egCH
F	-NDB Anecy-Meythet	55	ppc,i	384	`AT`	50	w	egCH
F	-NDB Basle	23	f/d lt	376	`BS`			lrG
F	-NDB Bergerac	35	ppc/	374	`BGC`			hbF
F	-NDB Biarritz	13	ppc	341	`BZ`	100	w	lrG
F	-NDB Chalon	12	f/d lt	391	`CC`			lrG
F	-NDB Cognac	70	lt/ms v.Orléans	354	`CGC`			hbF
F	-NDB Epinal-Mirecourt	9	ppc/vc, IRC	419	`EMT`	50	w	pt53
F	-NDB Etampes/Mondesir	19	n/d cd/IRC	295,5	`EM`			pt53
F	-NDB Lorient	7	ppc,cd/vc, USD	359	`LOR`	100	w	pt35
F	-NDB Usseil	14	f/d lt	416	`ULT`			lrG
F	-NDB Villacoublay	66	ppc/SAE	302	`TH`			lrG
F	-NDB Villacoublay	66	ppc/SAE	286,5	`TA`			lrG
G	-Aberdeen CG	25	f/d lt	2226				egCH
G	-Air Cadets	98	f/d cd	5245	MRV92	100	w	egCH
G	-CG Humber	6	pl,f/d pc,infos (fup)	2226		250	w	egCH
G	-Milford Haven CG	39	lt,info/ms	2182				hb31
G	-NDB Islay	6	f/d lt,photos/SAE	395,5	`LAY`			lrG
G	-NDB Scotstownhead	9	ppc/SAE	383	`SHD`			lrG
G	-RAF Kinloss	5	f/d lt,i	5680				egCH
G	-St. Peter Port R.	30	f/d lt/SAE	2182	GUC			lrG
GRC	-Limnos R	37	folder cd, QSL sheet	518	SVL	800	w	zeTC
HOL	-Ny Den Helder	27	f/d lt,ppc,info	3764,4	PBB	1000	w	zeTC
HRV	-NDB Zagreb	43	ppc/IRC back	424	`PIS`			hb31
HRV	-Split Radio	9	ppc,cd/vc, USD	518	9AS	1000	w	pt53
I	-MRSC Ancona	16	ppc/vc,IRC	6815	ICI07	200	w	pt53
I	-NDB Ancona	22	ppc/vc,IRC	374,5	`ANC`	50	w	pt53
I	-NDB Piacenza	63	folder/vc,IRC	440	`PIA`	100	w	pt53
IRL	-Transaer Ops Dublin	14	lt/IRC back	8924				hb31
IW	-CG Vessel M/V823	248	ppc/ms	6815	IHDR			hb31
J	-Shizuoka-ken Fish.R.	10	ppc/USD	12611,5	JFG	1000	w	egCH
LBN	-Middle East Airlines	70	ppc/vc,IRC via Frankfurt	13330		1000	w	pt53
MAU	-Mauritius R.	37	lt/IRC f/up	12831	3BM			hb31
NOR	-Bodoer Aeradio	4	ppc/vc,IRC (retour)	8891	LIB	6000	w	pt53
POR	-Ny Algés	57	f/d lt	2657		2000	w	egCH
REU	-Fny Le Port	31	f/d cd, f/up	8475,5	FUX			lrG
THA	-Bangkok Volmet	15	f/d cd, pers.lt/USD	6676		10000	w	egCH
USA	-PB Centraltexas	15	f/d cd	28280	K5AB	20	w	egCH
USA	-PB Champaign,IL	12	f/d cd	28215	KA9SZX/B	1	w	egCH
USA	-PB Corpus Christi	20	f/d c, cert, pl	28289.5	WJ50/BCN	2	w	egCH
USA	-PB Green Bay, VA	14	f/d cd, pers.lt	28260	KA1NSV/B	25	w	egCH

Membership and money corner:

Fee received with thanks from hb31, ps50, sw67.

Addresses/Infos/Veri-signers:

For those who have a receiver with a frequency range up to 34 MHz can take a look for northamerican and southamerican Police/Fire stations at around 1345 utc to 1530 utc. A good indicator should be the beacon w10J in Boston on 29.620 MHz with an id in morse. Thanks Alfred, for this info, ed!

OM Joachim (js38) says that there was a typingerror by himself in EUNL 1-2000. Frequency for KLJ258 is 33100 (not 31100). Tnx, Jo.

IHDR M/VCP823 belongs to Guardia Costiera Fiumicino (hb31)  
3BM Mauritius Radio stopped transmitting in CW on 1st Feb.99, and only continues on 518 in NAVTEX. (hb31)

Transaer Ops: TransAer, TransAer House, Dublin Airport v/s Keith J. Baalham, Navigation Manager, e-mail: kjbaalham@transaer.ie (hb31)  
JEV NDB Jever: Flugbetriebsstaffel/Jabo, G38 Funkgeräte+ Bodennavigationsanlagen Wartung /Instandsetzung, 26441 Jever (FHunger)  
BS NDB Basle: Aeroport de Basle-Mulhouse, F- 68304 St. Louis Cedex (lrG)  
ULT NDB Usseil: Aero Club D'Usseil Aerodrome, F- 19200 Usseil (lrG)  
GRN NDB Gerona: Aeroport de Girona, Costa Brava, E- 17185 Volobid' Onyar



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(1rg)

GRA NDB Granada: Aeropuerto de Granada, E- 18239 Granada (1rg)  
 VTA NDB Vitoria: Aeropuerto de Vitoria, E- 01071 Vitoria (1rg)  
 GUC St. Peter Port R.: St. Peter Port Radio, White Rock, St. Peter Port, Guernsey (1rg)  
 VE9BEA/B PB Carbbe Mountain: Vern Smith, 81 Garden View Drive, Island View, NB W3E 1A, Canada (egCH)  
 VA3SRC PB Toronto: Ontario DX Association, P.O.Box 161, Station A, Willowdale, ONT M2N 5S8, Canada (egCH)  
 K5AB PB Centraltexas: Alan Brown, 20125 W Lake Parkway, Georgetown, TX 78628, USA (egCH)  
 KA9SZX/B PB Champaign: Mark Garrett, 513 Jackson St., Champaign, IL 61821-3549, USA (egCH)  
 KA1NSV/B PB Green Bay: Richard Eressy, 775 Dry Ridge Rd., Green Bay, VA 23942, USA (egCH)  
 HCG Guayaquil R.: Sr. Jaime Gerardo Davalos Salazar, Radiooperator naval (He accepts RRS to his home address: Ciudadela „MORAN VALLVERDE“, Manzana Nr. 9 Villa Nr.5, Guayaquil, ECUADOR) (egCH)  
 AT NDB Annecy-Meythet: Direction Aviation Civile Centre-Est, Aerodrome D' Annecy/Meythet, F- 74370 Metz-Tessy, France (egCH)  
 Ny Alges: Estacao R.N.Comandante Nunes Ribeiro, Central Receptora, P-2795 LINDA-A-VELHA, PORTUGAL (egCH)  
 VA2MGL/BCN /PB St Agnes,Quebec: Marc Gagnon,36 Ruis.Des Frênes,Ste-Agnes(Quebec) GOT 1RO, CANADA (egCH)  
 J2A8 / Djibouti R.: Office des Postes et Telecommunications, Bureau Central des Radiocommunications, B.P.763, Djibouti (egCH) (v/s Moussa Said Idriss, Le Chef du B.C.R.)  
 WJ50/BCN PB Corpus Christi: William Hays, POB 18069, Corpus Christi, TX 78480-8069, USA (egCH)  
 NDB Fritzlar: Heeresflugplatzkommandantur, Flugsicherungsstelle, FS-ELO Inst. Georg-Friedrich-Kaserne, 34560 Fritzlar (pt53)  
 NDB Zeltweg/ZW: Fliegerhorst Hinterstoisser, A-8740 Zeltweg (pt53)  
 NDB Wiesbaden/WBD: Dept. of the Army, Headquarters, 3rd Bataillon, 58th Aviation Regiment (ATS), Office of the Commanding Officer Wiesbaden Airbase, GEB 1002, D-65205 Wiesbaden-Erbenheim (pt53)  
 NDB Lorient/LOR: Chef Section MMES, Base Aeronautique Navale de Lann-Bihoue, F-56998 Lorient Naval (pt53)  
 NDB Etampes/Mondesir/EM: central address: Service de l'Information Aeronautique, 8 Avenue Roland Garros, B.P. 245, F-33698 Merignac Cedex v/s: Claude Dubois, Chef du Bureau NOTAM International(pt53)  
 NDBs Ancona and Falconara/ANC, FAL: Ente Nazionale di Assistenza al volo di Falconara, C.A.A.V. di Falconara, Settore Tecnico, I-60020 Ancona (pt53)  
 MRSC Ancona/ICI 07: Capitaneria di Porto, Banchina Navazio Sauro, I-60121 Ancona (pt53)  
 Bodoe Aero/LIB: Bodoe Aeradio, P.O. Box 814, N -8001 Bodoe (pt53)  
 Split Radio/9AS: Mr.Josko Vrandecic, Ciovska 5, HR-21000 Split, Croatia (pt53)  
 Cedar Base: Middle East Airlines, P.O.Box 206, Beirut, Libanon (pt53)  
 c/a for Spanish maritime NDBs: Puertos del Estado, Departamento Técnico de Ayudas a la Navegación, Avda. del Partenon, 10, Campo de las Naciones, 28042 Madrid, Spain (pt53)

The European NDB Handbook - 2000 edition - by Michael Oexner

Many of you are already familiar with last year's 1999 edition of the European NDB Handbook. This new 2000 edition has been continuously worked upon to give you the most up to date NDB information available. Its over 120 spiral-bound pages in DIN A4 format now contain data of more than 3500 active NDBs located in Europe, the Northern African countries, and the Near and Middle East. Many of the more frequently heard transatlantic NDBs have been included, as well as NDBs operating from offshore installations such as oil platforms. Moreover the handbook includes widely reported unidentified beacons and irregular call signs which originate from so-called `negative keying`. One or the other NDB mystery may be solved with this information on hand.

As a new feature the 2000 edition does now show the NDB modulation frequency as monitored by a network of active NDB DXers. The layout of the NDB data is well known from the previous edition: part 1 (the reference list) shows the entries sorted by alphabetical order of the call sign and lists the carrier frequency,

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the modulation frequency, the authority or company taking care of the NDB, name and location of the NDB, country in ITU code, geographical coordinates, distance and Great Circle bearing. Part 2 of the handbook is sorted in frequency order, and part 3 in country order.

As a special benefit to the users of this handbook, the distance and Great Circle bearing have been computed for the individual listener's location.

\*Please\* don't forget to specify the geographic coordinates of your listening post when ordering (recommended format to be used: degrees/minutes/seconds). Please let me know whether you prefer the distance shown either in kilometers or in miles.

To give newcomers an easy start the handbook includes a table showing those NDBs that are nearest to your location. And for those that are unfamiliar with Morse code, a reference table is included.

WHERE TO ORDER? To get your copy please send your order and advance payment to the following address: Michael Oexner, Hainfelder Str. 1, D-76835 Roschbach, Germany.

If you require more information about the publication and have access to e-mail you can also contact me at the following e-mail address:  
michael.oexner@spksuew.ron.de

PRICE: The price for the 2000 edition of the European NDB handbook is DM 40.- / £15 / EURO 20 / US-\$ 25. This includes postage and packaging for European destinations.

HOW TO PAY: If you want to avoid the high costs incurred by purchasing International Money Orders or Eurocheques etc. you can always send your payment in the form of Pound notes (10 + 5) or Dollar bills. If you are using this method though do be sure to take the usual precautions of concealing them well inside your letter.

If you prefer to use Eurocheques or IMOs though you can make them payable to the account number 100156926, BLZ 54850010, Sparkasse Landau.

DELIVERY TIME: All handbooks will be produced individually, so a production time of 2 weeks should be expected.

## B O O K R E V I E W

Bergmann, Klaus & Wolf Siebel `Sender & Frequenzen 2000`, Siebel-Verlag, Meckenheim 1999/2000, pp. 496, DM 44,80 including three supplements.

This annual `German answer` to the WRTH, now in its 17th year, lists broadcasting stations by country order, which are and which might be audible in Western Europe. Thus it is more selective and more practically orientated than the vast info pool of the WRTH. The BC stations, amongst them also `feeder` programs and off BC band transmissions which might be interesting for the Utility listener, are presented with their schedules and with practical hints for reception and QSLing. The book is complemented by lists of broadcasts in German, English, French, Spanish, Russian, Esperanto and Latin, which are followed by a list of mediumwave and shortwave frequencies.

A second part of the book is made up by interesting articles (in German) like `Signals from the Carribean`, `Free Radio Stations..` or `Radio in the New Millennium`. `Sender & Frequenzen 2000` is highly recommendable for shortwave hunters as well as for program listeners. (Reinhard Klein-Arendt)

`Radio International. Die Weltempfänger-CD-ROM`, Siebel-Verlag, Meckenheim 1999, DM 29,80

This new CD-ROM shows how to receive 55 international BC-stations by means of visual and audio examples. After putting it into the computer CD drive a short `slide show` displays pictures of BC stations. The main menu offers choices like short infos in regard to each of the 55 countries and its peoples, BC stations profiles, possibilities of contact - these infos are accessible over a worldmap.

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After clicking on `Africa` for example, a map of this continent appears and you can choose between `South Africa`, `Gabun` and `Egypt`. Clicking on one of these entries on the map brings you to the particular country, where you can choose between `country and peoples`, `radio`, `schedule`, `audio example of program` (e.g. for the Egyptian external service) and `contact`. Each info category is accompanied by fotos, QSL repros a.s.o. The CD is complemented with infos about suitable receivers, satellite radio, world Radio Network, real audio on the internet a.s.o. This CD is recommendable for program listeners. Its only drawback is the difficult to read info material (the colourful background of each info page often `swallows` the thin, black letters). (Reinhard Klein-Arendt)

This famous work was made by our (11) famous contributors: lrG, egCH, pcG, pt53, FHunger, zeTC, rk50, hb31, ti42/ti47, abNL, ai46  
gd dx + 73 s, until next month (c)

Andreas

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EUROPEAN UTILITY NEWSLETTER 3-2000

\*\*\*\*\*  
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\* \*  
\* Deadline: 20th of the month!!! \*  
\*\*\*\*\*

Hi everyone,

Welcome to the March issue. I hope you are all fine. Only 8 pages this month due to less incoming stuff for the first time since years! I know that our magazin has over 500 (!) downloads each month and it would be very nice indeed, if we can fill our regular 12 pages. It should be no problem I assume, to send in a few lines with logs or infos.

N D B

285	1926	URB	Rome/Urbe	I	id	zeTC
287	2214	WG	Samara/Kurumoch	RUS	id + dash	dmRU
289	2327	MBA	Mansbach	D	id	mm35+zeTC
290	0119	GRZ	Graz	AUT	id	mm35
290	2042	TR	Tirana	ALB	id	mm35
292	2043	NKR	Neckar	D	id	mm35
295,5	2040	EM	Etampes /Mondesir	F	id+tone(your und Michael!)	zeTC
297	2043	FR	Frankfurt	D	id	mm35
300	0122	KD	Praha	CZE	id	mm35
300,5	1755	LW	Köln-Bonn	D	id	mm35
302	1918	KO	Rijeka/Krk/Kosterna	HRV	id	zeTC
303	0124	RTT	Rattenberg	AUT	id	mm35
305	1657	MST	Muenster/Greven	D	id	zeTC
306	2333	TPS	Tapiosag	HNG	id	zeTC
307	2126	DIK	Diekirch	BEL	id	mm35
311	2058	CEL	Celle	D	id	zeTC
313	1929	G	Uzhgorod	UKR	id	zeTC
314	2045	GIN	Giessen	D	id	mm35
317	2233	VS	Valenciennes/Denain	F	id + tone	ai46
318	1913	GEN	Genoa/Sestri	I	id	zeTC

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318	2240	LE	Luxembourg	LUX	id	mm35
319	0727	VAR	Varhaug	NOR	id	mm35
320	2103	GLA	Gland	SUI	id	mm35+zeTC
320	1305	HA	Hannover	D	id	mm35
320	2046	SA	Timisoara	ROU	id	mm35
322	1802	MIO	Montijo	POR	id	mmLIS
324	0601	ON	Norrköping	S	id	mm35
327	1725	LNZ	Linz	AUT	id	mm35
330	1650	ABU	Altenburg/Nobitz	D	id	zeTC
331	2048	NMN	Mendig	D	id+tone	mm35
332	2335	MR	Ulyanovsk	RUS	id+tone	mm35
334	1830	HDM	Mannheim	D	id	mm35
338	2049	RUD	Rüdesheim	D	id	mm35
341	2050	LAU	Lichtenau	D	id	mm35
341	0551	POR	Pori	FIN	id	mm35
346	1825	WLU	Luxembourg	LUX	id	mm35
347	1704	DBR	Berlin/Tempelhof	D	id	zeTC
349	0605	KSL	Kassel	D	id	mm35
349	0558	TAR	Tarva	NOR	id	mm35
349,5	2248	SZA	Solenzara	F	id+tone	mm35
351	2100	OV	Visby	S	id	mm35
353	2058	KRW	Krakow	POL	id	mm35
354	0606	PAD	Paderborn	D	id	mm35
355	0607	KNG	König	D	id	mm35
357	2141	KVR	Kavouri	GRC	id	mm35
358	0130	TUN	Tulln	AUT	id	mm35
359	1803	CA	Cascais	POR	id	mmLIS
363	0608	SCF	Schweinfurt	D	id	mm35
364	0132	GRU	Grudziadz	POL	id	mm35
365	2130	VS	Tampere/Vesilahti	FIN	id	zeTC
365	0610	LJ	Köln-Bonn	D	id	mm35
366	2005	KM	Kalmar	S	id	zeTC
366,5	2250	BER	Bern-Belp	SUI	id	mm35
368,5	2104	ELU	Luxembourg	LUX	id	mm35
369	2137	VRS	Vrsar	HRV	id + tone	zeTC
370	2105	PSA	Spessart	D	id	mm35
371	2010	LEV	Cueno/Levaldigi	I	id	zeTC
371	1425	STR	Sintra	POR	id	mmLIS
374,5	2105	SOG	Solling	D	id	mm35
379	1850	CZ	Charleville	F	id+tone	mm35
379	0605	REK	Reksten	NOR	id	mm35
380	0607	HO	Colmar-Houssen	F	id+tone	mm35
380	0136	KA	Tirana	ALB	id	mm35
382	0612	FW	Frankfurt	D	id	mm35
382	1804	LAR	Arruda	POR	id	mmLIS
386	0612	EH	Egelsbach	D	id	mm35
386	2252	LK	Tallinn	EST	id	mm35
386,5	2210	SLV	Spa-La Sauvenire	BEL	id	mm35
389	2034	RK	Turku	FIN	id	zeTC
389	1805	CP	Lisboa-Caparica	POR	id	mmLIS
389	1820	LOU	Louvigny	F	id+tone	mm35
391	2348	OKR	Bratislava	SVK	id	mm35
392	0610	RW	Berlin-Tegel	D	id	mm35
392	1924	VUN	Verdun	F	id+tone	mm35
398	0040	D	Plzen-Line	CZE	id	mm35
398	0138	PEO	Peola	S	id	mm35
399	0613	WBD	Wiesbaden	D	id	mm35
400	0613	EN	Orebo	S	id	mm35
401	1806	LO	Lisboa	POR	id	mmLIS
401,5	1710	BET	Rheine-Bentlage	D	id+tone	mm35
402	2255	RA	Plana	CZE	id	mm35
403	2112	HAB	Hammelburg	D	id	mm35
404	1825	LW	Luxembourg	LUX	id	mm35
406	2350	GRO	Grossetto	I	id	mm35
406,5	1930	BOT	Bottrop	D	id	mm35
408	2044	MZL	Mizil	ROU	id	zeTC
408	2117	BRK	Bruck	AUT	id	mm35
409	2201	CZE	Czempin	POL	id	mm35

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409	0141	SG	Satenas	S	id	mm35
412	1330	SE	Strasbourg-Enzheim	F	id+tone	mm35
413	2256	KTI	Innsbruck	AUT	id	mm35
413,5	0042	DLS	Lübars	D	id	mm35
415	1740	RTB	Röthenbach	D	id	mm35
416	2050	LQA	Saitu Rokku	MLT	id	zeTC
416	2356	POZ	Pozarevka	SER	id	mm35
417	0045	AH	Angelholm	S	id	mm35
417	0450	HDL	Heidelberg	D	id	mm35
419	1900	EMT	Epinal	F	id+tone	mm35
419	0505	RD	Vasteras-Hasslo	S	id	mm35
420	0615	BAZ	Bayreuth	D	id	mm35
420	0616	INN	Innsbruck	AUT	id	mm35
420	2358	ZV	Tuzla	BIH	id	mm35
421	0049	MF	Halmstadt	S	id	mm35
423	2057	FOR	Forli	I	id	zeTC
423	0051	FE	Odense	DNK	id	mm35
425	0625	ERT	Erfurt	D	id	mm35
426	0626	WYP	Wipper	D	id	mm35
429	0626	GBL	Giebelstadt	D	id	mm35
432	2121	HNU	Hanau	D	id	mm35
435	0054	ZBN	Zweibrücken	D	id	mm35
438	0053	PE	Poprady	SVK	id	mm35
440	2220	PIA	Piacenza	I	id	mm35
445	0524	ZG	Szeged	HNG	id	zeTC
448	0058	HLV	Holesov	CZE	id	mm35
448	0520	LQ	Landsberg	D	id+tone	mm35
450	2215	PDV	Plovdiv	BUL	id	mm35
452	0627	ANS	Ansbach	D	id	mm35
452	0152	IA	unid	?	id+tone	mm35
453	0059	CN	Piestany	SVK	id	mm35
468	2122	FTZ	Fritzlar	D	id+tone	mm35
473	0521	FHA	Friedrichshafen	D	id	mm35
474	2228	RZE	Rzechov	POL	id	mm35
475	0105	RP	Pernek	SVK	id	mm35
480	1905	VIB	Viterbo	I	id	mm35
482	1835	SWH	Schwäbisch-Hall	D	id	mm35
485	2230	IA	Brno	CZE	id+tone (not Brest/BLR 484, ed?)	mm35
488	2126	ILM	Illesheim	D	id	mm35
489	1937	SIL	Siegerland	D	id	mm35
490	2131	WAK	Vakarel	BUL	id	mm35
492	2230	TBV	Moravska Trebova	CZE	id	mm35
508	2305	Z	Zilina	SVK	id	mm35
516	0110	JBR	Jaszbereny	HNG	id	mm35
516	0107	XU	Namest nad Oslavou	CZE	id	mm35
517	2308	ARD	Arad	ROU	id	mm35
518	2145	TM	Tomakivka	UKR	id	dmRU
523	2147	BK	Lunino	RUS	id	dmRU
525	1939	HG	wroclaw	POL	id	mm35
534	2142	SL	Bydgoszcz	POL	id	zeTC
554	2152	OG	Rusky Kameshkir	RUS	id	dmRU
579	2155	TH	Takhtalym	RUS	id	dmRU
615	2158	OM	DAB/DUC/Gorm	IW	id +tone	zeTC
644	2201	SL	Solodniki	RUS	id	dmRU
662	2203	SM	Smolenskaya	RUS	id	dmRU
670	2204	TA	Aktau	KAZ	id	dmRU
687a	2207	WU	UNID	?	id (8x=1min)	dmRU
696	2211	BT	Alatyr	RUS	id	dmRU

## F I X E D

3803	2155		UNID	?	cw-hhmm time (UTC+3)	dmRU
4962	1618	SNN299	MFA Warszawa	POL	vvv	zeTC
5322	1932	FDG	AF Bordeaux	F	cw-v mkr	pcG
5342	0920	FDY	AF Orleans	F	cw-v mkr	pcG
5351	2230	FDG	AF Bordeaux	F	cw-v mkr	pcG
5435	2147		Lady	?	am-5lg	dmRU
5446,5	2147	FDC	AF Metz	F	cw-vvv	pcG+dmRU

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5447	1045	FDG	AF Bordeaux	F	cw-v mkr	pcG
6740	2130		Net in Greek	?	usb	dmRU
6840	2131	EZI	Lady	?	am-endless ezi	dmRU
6959	2125		English Lady	?	usb-5fg	dmRU
14648	1428	4XZ	Ny Tel-Aviv	ISR	cw-v mkr	pcG
28214	1555	N3BUB	IBP Kresgeville,PA	USA	cw-id FN20FV	zeTC
28259,8	1658	KA1NSV/4	IBP Green Bay,VA	USA	cw/id FM07	zeTC
28295,8	1615	W3VD	IBP Laurel,MD	USA	cw-id FM19NE	zeTC
29810	1405		Argentine Army	ARG	YL/SS duplex	rcI
					phone patch with `233` (unid Antarctica base)	
30220	1500	XKC414	Hospital pager, North York	CAN	rcI	rcI
30565	1603	WNDK510	TENT Hamburg,NY	USA	EPEC Communic.,digi. data	rcI
30740	1346	KNEW944	Union Carbide South Charleston	USA		rcI
31220	1350	KIG954	Forestry Cons., Elizabeth City	USA		rcI
31220	1420	KII822	Forestry Cons., Rockingham, NC	USA		rcI
31340	1345	WNHK425	Forestry Cons., Lenoir, NC	USA		rcI
31380	1352	KIG542	Forestry Cons., Jackson, NC	USA		rcI
31420	1444	XKB502	Joseph Pager Ma Maison St., Montreal	CAN		rcI
31420	1453	XKE938	Redpath Sugars Limited. Pager ,Toronto	CAN		rcI
31920	1516	XKC223	Hotel Dieu de Montreal. Pager, Montreal	CAN		rcI
32420	1420	VDS851	Trillium Health Center. Pager, Mississauga	CAN		rcI
33340	1508	KJS612	Midwest Natural Gas, Corp., Scottsburg, IN	USA		rcI
33380	1426	KIF622	Columbia Gas Transmission, Corp., Linden, VA	USA		rcI
33380	1426	KIB468	Columbia Gas Trasmission Corp., Criglersville	USA		rcI
33540	1356	KBZ283	Lake Region Mutual Fire Aid Ass. Inc., Laconia, NH	USA		rcI
33640	1448	KNHN570	Town Fire Sta., Greenville, NH	USA		rcI
33680	1456	KCF944	Town Fire Sta., Brattleboro, VT	USA		rcI
33700	1355	WNQQ469	County Dispatch, Litchfield, CT	USA		rcI
33700	1440		West Moreland County Fire ,Greensburg, PA	USA		rcI
33860	1500	KEE873	Salem County Fire & Disaster Cont. Cen., Woodstown, NJ			rcI
33860	1536	KNCM850	Pike County Fire, Milford, PA	USA		rcI
33980	1537	KGF342	Fire Volunteer, Springfield, PA	USA		rcI
33980	1502	KEC763	Kent County Fire, Chestertown, MD	USA		rcI
35340	1357	KNKO225	NPI Holdings Inc. Pager, Pennsylvania	USA		rcI
35460	1441	KNKB419	Pro-Com Inc. Pager., Ohio	USA		rcI
35660	1517	KNKK283	U.S. Central Inc. Pager, Panama, FL	USA		rcI
37740	1508	KCB397	Northeast Utilities Service, Co.Norwalk, CT	USA		rcI

## M A R I T I M E

2182	2257		Maersk Finder	IW	wkg Yarmouth Harbour(?) Control	hb31
QSY to	2246,	Yarmouth	Harbour Control	->	ship or landbased?? Info pls.....	hb31
4238	2155	VTP4	Ny Vishakhatnam	IND	cw-v mkr	pcG
4253	2200	TAH	Istanbul R.	TUR	cw-cq mkr	pcG
6357	1336	SAA	Karskrona R.	S	cw-cq mkr	pcG
6379	2136	4XZ	Ny Haifa	ISR	cw-de	dmRU
6415	2135	SXA	Ny Spata Attikis	GRC	cw-vvV	dmRU
8417	0940	GKE4	Portishead R.	G	SITOR/A tlx/cw mkr	pcG
8417,5	2200	XSV	Tianjin R.	CHN	SITOR/B cq + qtc list	pcG
8418	2150	LSD636	B,Aires R.	ARG	SITOR/A tlx/cw mkr	pcG
8429,5	1755	NMO	Honolulu USCG	HWA	SITOR/A tlx/cw mkr	pcG
8430	1800	UJE	Moscow R.	RUS	SITOR/A cw/tlx mkr	pcG
8431	1945	TAH	Istanbul R.	TUR	SITOR/A tlx/cw mkr	pcG
8431,5	0932	UAT	Moscow R.	RUS	SITOR/A cw/tlx mkr	pcG
8431,5	2237	ZSC	Capetown R.	AFS	SITOR/A tlx/cw mkr	pcG
8433	2230	8PO	Bridgetown R.	BRB	SITOR/A tlx/cw mkr	pcG
8448	1928	A9M	Hamala R.	BHR	cw-cq mkr	pcG
8450	1800	5AB	Benghazi R.	LBY	cw-cq mkr (with spurious)	pcG
8451	1610	UBF2	St.Petersburg R.	RUS	cw-wkg tfc.. de ubf2	pcG
8473,5	1507	A7D	Doha R.	QAT	cw-de mkr	pcG
8476	2010	9VG56	Singapore R.	SNG	cw-cq mkr	pcG
8480	1632	HZY	Ras Tanura R.	ARS	cw-cq + wx b/c	pcG
8484	1650	HLF	Seoul R.	KOR	cw-cq mkr	pcG
8489	1653	AQP5	Ny Karachi	PAK	cw-v mkr	pcG
8496	0901	CLA20	Havana R.	CUB	cw-long cq mkr	pcG
8502	0852	XSG	Shanghai R.	CHN	cw-cq mkr	pcG
8506	1703	XSX	Chi-Lung R.	TWN	cw-cq mkr	pcG
8510	1658	J2A8	Djibouti R.	DJI	cw-cq mkr	pcG

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8511	1704	XSW2	T'ai-Chung R.	TWN	cw-cq mkr	pcG
8541	1505	A9M	Hamala R.	BHR	SITOR/A tlx/cw mkr	pcG
8549	1746	UCE	Arkhangelsk R.	RUS	cw-tlx mkr	pcG
8556	1420	SAB44	Goteborg R.	S	SITOR.vzxf s/cal	pcG
8557	1427	SPB43	Szczecin R.	POL	SITOR/A cw/tlx mkr	pcG
8559,5	2030	GKE	Portishead R.	G	cw-de	pcG+dmRU
8580	1500	RLK7	Arkhangelsk R.	RUS	cw-4ly de rlk7 qsx 4343/637	pcG
8600	1501	XSV	Tianjin R.	CHN	cw-cq mkr	pcG
8698	2017	7TF	Boufarik R.	ALG	cw-cq, qsx 12551	dmRU
8743	1900	HSA	Bangkok R.	THA	USB Musical/voice/mkr	pcG
12579	1310	NMC	S.Francisco USCG	USA	SITOR/A tlx/cw mkr	pcG
12579,5	1258	9VG80	Singapore R.	SNG	SITOR/A tlx/cw mkr	pcG
12580	1301	GKE5	Portishead R.	G	SITOR/A tlx/cw mkr	pcG
12581	0856	LSD836	B,Aires R.	ARG	SITOR/A tlx/cw mkr	pcG
12581,5	1312	WLO	Mobile R.	USA	SITOR/A tlx/cw mkr	pcG
12583,5	0856	CBV	Valparaiso R.	CHL	SITOR/A tlx/cw mkr	pcG
12584	1320	VIP76	Perth R.	AUS	SITOR/A tlx/cw mkr	pcG
12584,5	1322	WLO	Mobile R.	USA	SITOR/A tlx/cw mkr	pcG
12585	1324	NRV	Guam USCG	GUM	SITOR/A tlx/cw mkr	pcG
12585,5	0850	VRX	Hong Kong R.	HKG	SITOR/A tlx/cw mkr	pcG
12735	1011	URL	Sevastopol R.	UKR	cw-cq mkr	pcG
12771	1119	7TF8	Boufarik R.	ALG	cw-cq mkr	pcG
12801	1204	TAH	Istanbul R.	TUR	cw-cq mkr	pcG
12817,5	1101	RUA8	Petrozavodsk R.	RUS	cw-cq mkr	pcG
12856	0930	XSG	Shanghai R.	CHN	cw-cq mkr	pcG
12939	1056	SPE	Szczecin R.	POL	cw-de	pcG+dmRU
12965	0915	USO	Izmail R.	UKR	cw-manual cq call	pcG
12967	1000	UJE	Moscow R.	RUS	cw-cq de uje qsw 17195/12967/ 6490 several calls	pcG
12969	1201	XSV	Tianjin R.	CHN	cw-grz? de xsv... mkr	pcG
12984	1055	4XZ	Ny Haifa	ISR	cw-de	dmRU
13010	1450	AQP6	Ny Karach	PAK	cw-v mkr	pcG
13022	1053	SPB	Szczecin R.	POL	cw-de + sitor	dmRU
17015	1111	UTQ	Kiev R.	UKR	cw-cq	dmRU
17050	1109	4XZ	Ny Haifa	ISR	cw-de	dmRU
17147	1340	URL	Sevastopol R.	UKR	cw-cq mkr	pcG
17206,1	1102	IAR	Roma R.	I	cw-vvv	dmRU
17224,5	1100	A4M	Muscat R.	OMA	cw-de	dmRU
22382	1127	NRV	USCG CAMSPAC Agana	GUM	cw-id + sitor	dmRU
22442	1129	XSV	Tianjin R.	CHN	cw-id + sitor	dmRU
17091	0943	XSQ	Guangzhou R.	CHN	cw-cq mkr	pcG
17175,5	1214	A9M	Hamala R.	BHR	cw-cq mkr	pcG
17195	1002	UJE	Moscow R.	RUS	cw-cq call	pcG

## A E R O (Ground - stations)

5680	0820	Bodö Rescue	NOR	E clg `45`	hb31
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## A E R O (aircraft)

Nothing to report!?

## D I G I T A L

129,1	1612	DCF49	ERF Berlin	D	ASCII/200 test id	zeTC
129,5	1558	SOA212	Warszawa Meteo	POL	RTTY 50 AAXX	zeTC
518	2032	TAH	Istanbul Turk R	TUR	NAVTEX,Danube wx	zeTC
2608,4	2116	FUO	Ny Toulon	F	ITA2/75/850 ry/sg testing	pcG
2745	2240	PBC32	Ny Goeree Isl.	HOL	RTTY 75/850 CARB	zeTC
2789	2121	FUE	Ny Brest	F	ITA2/75/850 ry/sg testing	pcG
2806	2130	IGJ41	Ny Augusta	I	ITA2/100/850 c/s mkr	pcG
2815	2130	IDR8	Ny Rome	I	ITA2/75/850 c/s mkr	pcG
2829,5	2137	SPE28	Szczecin R.	POL	SITOR/A cw/tlx mkr	pcG
3172,5	2146	IMB1	Rome METEO	I	ITA2/50/850 cont meteo	pcG
3310	1536		Moskva Meteo	RUS	WEFAX 120 //5008	zeTC
3360	1914	RPN71	Kiev Meteo	UKR	WEFAX 90/57 anal	zeTC
4259	2213	SAB	Goteborg R.	S	SITOR/A tlx/cw mkr	pcG
5008	1635		Moskva Meteo	RUS	WEFAX 120 //3310	zeTC

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5064	1335	RFF----	FF UNID	F ARQE3/96/400 UCF + ex, msgs pcG
5221	1010	RFF----	FF UNID	F ARQE3/96/400 `rffbbfb rffxcfc` de rffxcfc znr`/5lgs UFC cct pcG
5257,5	2120	FDI22	AF Narbonne	F ITA2/50/850 `le brick` test pcG
5270	0940	FDI8	AF Nice	F ITA2/50/400 `le brick` test pcG
5377	2234	RFF___	FF UNID	F ARQE/72/400 cont idle pcG
5781	1030		UNID	? ARQE/85,7/170 idle + crypto pcG
5781	0930		UNID	? ARQE/85.7/170 cont idle pcG
5803	1310		UNID	? ARQE/48/170 idle pcG
6929	1029	RFFH	FF Marseille	F ARQE/184.6/400 pcG
6982	2028	RFFXL	FF Naqoura	LBN ARQ-E-184.7 idle pcG+zeTC
8083	1724	RIJ75	Tashkent Meteo	UZB WEFAX 90/576,wx zeTC
8108,2	2041	RFQP	FF Djibouti	DJI ARQ-M2-200 idle zeTC
8298	1645	VTP	Ny Vishakhap'n	IND ITA2/50/850 ryry `vtp 13/14` pcG
8429,9	1422		unid	? 100/170 cont crypto pcG
8453	1614	RFFME	Ny La Regine	F ITA2/75/850 `faaa de rffme` pcG
8454	1616	UIW	Kalinigrad R.	KAL ITA2/50/170 `ryry cq de uiw` pcG
8475,5	1758	RFVIE	FF Le Port	REU ITA2/75/850 `faaa de rfvie` pcG
8500	1940	RBSL	Ny Mumbai	IND ITA2/50/850 c/s mkr pcG
8541	1749	A9M	Hamala R.	BHR SITOR/A tlx/cw mkr pcG
10496,5	1520	MKD	DCN Cyprus	CYP PICC/6 3ch idle/crypt/idle pcG op, chat ch1 `de mkd lo pal` pcG
10891,5	1700		DCN UNID	? PICC/6 3ch idle/crypt/idle pcG
11039	0902	DDH9	Hamburg METEO	D ITA2/50/400 cont met pcG
11110,5	0914	RFLI	FF Ft. de France	MRT ARQE3/192/400 BFL toParis pcG
12585,5	1915	KPH	S.Francisco R.	USA SITOR/B qtc list zeTC+pcG
12587	0925	LZW	Varna R.	BUL SITOR/A cw mkr pcG
12590,5	1355	UJE	Moscow R.	RUS SITOR/B freq info + qtc listpcG
12600,5	1619	VCT	Tors Cove R	CAN SITOR-A idle FF zeTC
12601	1740	ZSC63	Capetown R.	AFS SITOR/B wx b/c pcG
12610,5	1445	VCT	Tors Cove R.	CAN SITOR/A tlx/cw mkr pcG
12615	1440	USU	Mariupol R.	UKR SITOR/A cw/tlx mkr pcG
12634,5	1400	TAH	Istanbul R.	TUR SITOR/B qtc list pcG
12635,5	1030	LZW	Varna R.	BUL SITOR/B news + op bulletin pcG
12680	1251	VZX	Penta Comstat,Sydney	AUS PACTOR/4 `vzx` c/s copied pcG
12680,4	0945	8PO	Bridgetown R.	BRB SITOR/A tlx/cw mkr pcG
12877,5	1221	UIW	Kaliningrad R.	KAL ITA2/50/170 ryry + de uiw pcG
13479,7	1708	RFFA	FF Paris	F ARQ-M2-200 idle zeTC
13510	1712	CFH	CF Halifax	CAN WEFAX 120 fcst zeTC
13966,4	0943		ICRC network	? PACTOR/4 cont..RC1BEY c/s pcG
13976	1420	HBD20	MFA Berne	SUI SITOR/A 5lg msgs pcG
13998,5	0947		ICRC network	? PACTOR/4 UNID UNHCR.stn pcG
14382,5	1430	GXQ	DCN London	G PICC/6 de gxq zub..1428 3 chpcG
14446,7	1445		MFA Cairo	EGY SITOR/A Arabic tfc pcG
14575	1448	RFGW	MFA Paris	F FEC/A/192/400 long b/c msg pcG
14801,7	1442	RFVI	FF Le Port	REU ARQE3/100/400 VII to Noumea pcG
14975	1452	RFGW	MFA Paris	F FEC/A/192/400 idling pcG
16327	1455		MFA Bucharest ROU	ROU-FEC/218/400 cont crypto pcG
16807,5	1201	GKE6	Portishead R.	G SITOR/A tlx/cw mkr pcG
16808	1500	SPA81	Gdynia R.	POL SITOR/B qtc list b/cast pcG
16809,5	1221	VIP35	Perth R.	AUS SITOR/A tlx/cw mkr pcG
16811,5	1201	A9M	Hamala R.	BHR SITOR/A tlx/cw mkr pcG
16898,5	1246	UAT	Moscow R.	RUS SITOR/A msg to ugsi pcG
18183,4	1335	7RQ20	MFA Algiers	ALG COQUELET/8 long French news pcG

T I M E S I G N A L

Nothing to report !?!

Q S L - R E V I E W

ITU Station	days	rvcd/gvn	QRG	Call	Power	name
BEL-Oostende R.	97	sheet, info/vc, IRC	8435,5	OST		dmRU
BIH-NDB Tuzla	32	PPC+busi-cd/QSL, USD	420	`ZV`		wh03
D -NDB Berlin	28	f/d lt	413,5	`DL`		lrG
D -NDB Bremen	150	f/d cd	276,5	`BW`		lrG
D -NDB Kiel	18	f/d lt	353	`KIL`		lrG



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D -NDB Leipzig	29	f/d lt	434	`SK`		lrG
E -NDB Cabo Villano	89	f/d lt	290,5	`VI`		lrG
EQA-Guayaquil R.	36	ppc,lt,vc f/up	12711	HCG	1000 w	ai46
F -NDB Cazeaux	89	f/d lt	382	`CAA`		lrG
F -NDB Epinal	13	ppc/SAE	419	`EMT`		lrG
F -NDB Hericourt	48	f/d lt	289	`HR`		lrG
F -NDB Rodez	15	f/d lt	302	`ROM`		lrG
F -NDB Rodez-Marcillac	86	ppc/ms	302	`ROM`		hb31
FNL-NDB Halli	23	f/d lt	385	`KV`		lrG
G -NDB Barrow	6	f/d lt/SAE	355	`WL`		lrG
G -NDB Fenland	16	f/d lt/SAE	401	`FNL`		lrG
G -NDB Prestwick	14	f/d lt/SAE	355	`PIK`		lrG
I -MRSC Livorno	13	ppc/ms	6815	ICI02		hb31
J -Hachinohe Fishery R.	15	ppc/IRC f/up	12858	JFS		hb31
MLT-RCC Malta	16	ppc/ms	6815		1000 w	hb31
ROU-NDB Tandarei	176	ppc/vc,IRC (via c/a)	304	`TND`	300 w	dmRU
RRW-DW Kigali	95	f/d cd via Cologne	18212	9XK79		zeTC
S -Navy Helicopter Y71	23	ppc/ms	5680	`Y71`		hb31
S -NDB Falköping	9	ppc/ms	397	`NF`		hb31
S -NDB Trollhaetan	6y!	f/d lt,AP chart,vc	399	`FM`		zeTC
UZB-Tashkent Volmet	28	ppc/IRC back	4663		600w	hb31

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard, cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, sae=self addressed envelope, f=folder, f/d full detailed, USD=US Dollar, c/a=central address

## Membership and money corner:

A note from the treasurer: Fee with thanks received from wk08 and mo67.

Due to renew for hs61, js38, ht45 and pb40.

If anyone of those who has to renew now internet access and is not interested in the paperversion any longer, please drop me a line. Thanks!

## Addresses/Infos/Veri-signers:

Cf EUNL 2-2000:

8302 1656 62WIO UNID (ship?) ? RTTY-100/825 67YTR de62WIO zeTC  
Typical spanish military call, may be navy (aLEU)

ZV NDB Tuzla: Tuzla International Airport, ATC Services, 75270 Zivinice, G.Dubrave, Bosna i Hercegovina (answer came registered!) (wh03)

(v/s: Mustafa Terzic, general manager) (wh03)

OST Oostende R.: Radio Maritieme Diensten, Perronstraat 6, B-8400, Oostende, Belgium (dmRU)

TND NDB Tandarei: ROMATSA, Str. Ion Ionescu de la Brad, Nr. 1, P.O.Box 18-90, Sector 1, Bucuresti, Romania. V/s: Carol Szabo (dmRU)

RCC Malta: Headquarters, Armed Forces of Malta, Luqa Barracks, Luqa, Malta (hb31)

NF NDB Falköping: Kinnarps AB, Falköpings Airport, S-521 91 Falköping (hb31)

v/s Tommy Ingvarsson, Manager Flight Department (hb31)

Tashkent Volmet: Aviatsiya Ma'muriyati, O'zaeronavigatsiya, 13 Lokomotivnaya St., Tashkent 700167, Uzbekistan (hb31) v/s R. Grenaderov (hb31)

HCG Guayaquil R.: Sr. Jaime Gerardo Davalos Salazar, Radiooperator naval Ciudadela „MORAN VALLVERDE“, Manzana Nr. 9 Villa Nr.5, Guayaquil, ECUADOR. (ai46)

KUR NDB Kuopio: Kuopion Letoasema, Hannu Kettunen, FIN-70900 Toivala (FHunger)

DH NDB Oskarshamn: OFAB Oskarshamn Flygplats AB, Mr. Robert Holmberg (CATS) PL 2460 S- 57292 Oskarshamn (FHunger)

MRSC Milford Haven Coastguard: Mr. William Muldrew, Assistant District Officer, Gorsewood Drive, Milford Haven, Pembrokeshire SA73 3ER (FHunger)

PG NDB Trollhättan: Johan Berglund, Traffic Officer, Fyrstads Flygplats AB S-46193 Trollhättan (FHunger)

ROM NDB Rodez: Aerodrome de Rodez, F- 12330 Salles La Source, Rodez (lrG)

HR NDB Hericourt: Service de L'Information Aeronautique, 8 Avenue Roland Garros, B.P. 245, F- 33698 Merignac CEDEX (lrG)

EMT NDB Epinal: District Aeronautique de Lorraine, Maintenance M.N.L., Aeroport Metz-Nancy, Lorraine, B.P. 16, F-57420 Goïn (lrG)

CAA NDB Cazeaux: Base Aerienn 120, F- 33164 Cazeaux Air (lrG)

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PIK NDB Prestwick: NATS Atlantic House, Sherwood Road, Prestwick, Ayrshire, KA9 2NR (1rG)  
 FNL NDB Fenland: Fenland Airfield, Holbeach, St. Johns, Linconshire (1rG)  
 WL NDB Barrow: BAE Systems-Flight Department, Walney Airfield, Barrow-In-Furness LA14 3YJ (1rG)  
 VI NDB Cabo Villano: Puerto del Estado, Departamento Tecnico del Ayudas a La Navegacion, Avda del Partenon 10, E- 28042 Madrid (1rG)  
 BW NDB Bremen: DFS, PF 100551, D- 63005 Offenbach a. M. (1rG)  
 SK NDB Leipzig: DFS Niederlassung Leipzig Flughafen, D- 05029 Leipzig (1rG)  
 DLS NDB Berlin: DFS Flughafen Tempelhof, D- 12101 Berlin (1rG)

The following list was supplied by an OM in southern Europe who wishes to remain anonymous. He also writes:

I would also very much appreciate if anyone has a frequency plan for low-VHF spectrum used in Germany. Anything (pagers, remote controls, cordless) you listen from 25 to 88MHz is greatly appreciated. You don't have to send every single frequency, just the band limits and channel steps for each service. It would be a great success to gather this kind of info from EVERY european country, so that we'll have a quite interesting panorama for an area boarder than a single country.

If anyone is able to help this OM, please send me a mail and I will forward it to him. Many thanks in advance, ed.

(all emissions in FM except as specified)

FROM	TO	USER
26200.0		LOCAL PAGERS (AM&FM)
26350.0		LOCAL PAGERS (AM&FM)
26500.0		LOCAL PAGERS (AM&FM)
29650.0		BABY MONITORS (RARE)
29685.0		BABY MONITORS
29700.0		BABY MONITORS
30075.0	30325.0	OUT BASE CORDLESS (NOT PP.TT. APPROVED) (25kHz STEP)
30850.0	30950.0	DOORS OPENING REMOTE CONTROLS BAND C (8 Ch 12,5 kHz STEP)
31025.0	31325.0	OUT BASE CORDLESS (NOT PP.TT. APPROVED)(12,5kHz STEP) (INPUTS 39950-40225kHz)
39950.0	40225.0	IN BASE CORDLESS NON OMOLOGATI (NOT PP.TT. APPROVED) (12,5kHz STEP) (OUTPUTS 31025-31325kHz).
40012.5	40087.5	LOCAL PAGERS (25 kHz STEP)
40660.0	40880.0	MODEL AIRCRAFTS REMOTE CONTROLS (10 kHz STEP)
43300.0	43587.5	LOW POWER DEVICES (BASES NOT EXCEEDING 5W) (12,5 kHz STEP DIVIDED AS THE FOLLOWING SUB-BANDS):
1	43.300	
2	43.3125	Security & rescue
3	43.325	surveillance
4	43.3375	
5	43.350	
6	43.3625	
7	43.375	
8	43.3875	
9	43.400	Commercial enterprises
10	43.4125	
11	43.425	
12	43.4375	
13	43.450	
14	43.4625	Yachts and marinas
15	43.475	
16	43.4875	
17	43.500	
18	43.5125	Air clubs & sport aircrafts
19	43.525	
20	43.5375	
21	43.550	
22	43.5625	Medical surveillance
23	43.575	
24	43.5875	

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- 46020.0 49980.0 OUT BASE CORDLESS (NOT PP.TT. APPROVED)  
(30kHz STEP WITH MANY EXCEPTIONS)
- 50151.25 50163.75 HAM 6m ITALIAN PP.TT. ASSIGNED SEGMENT(!!!)  
(ALLMODES - MAX 10w)
- 53750.0 60750.0 ITALIAN TV CHANNEL A (WFM)  
(AUDIO CARRIER 59.250)
- 52000.0 70000.0 FM BROADCASTING NETWORK RELAYS (NOT APPROVED)
- 59750.0 66750.0 ITALIAN TV CHANNEL B (WFM)  
(AUDIO CARRIER 65.250)
- 68000.0 73000.0 IN BASE CORDLESS FOR 30MHZ AND 46MHZ BAND  
(NOT PP.TT. APPROVED) (10kHz STEP, IRREGULAR)
- 71500.0 ALPINE RESCUE (Ch1 input 68.750 - Ch.2 simplex)
- 71525.0 ALPINE RESCUE (Ch4 simplex)
- 71550.0 ALPINE RESCUE (Ch3 simplex)
- 72080.0 72140.0 AIRCRAFT MODELS REMOTE CONTROLS (10kHz STEP)
- 73000.0 73500.0 FIRE DEPARTMENTS INPUT CHANNELS  
(40 Ch 12,5 kHz STEP ALSO USED IN SIMPLEX)
- 73500.0 74000.0 FIRE DEPARTMENTS OUTPUT CHANNELS  
(40 Ch 12,5 kHz STEP ALSO USED IN SIMPLEX)
- 74000.0 75000.0 OUT BASE CORDLESS (NOT PP.TT. APPROVED)
- 76700.0 79175.0 POLICE (99 Ch 25 kHz STEP)
- 79200.0 81000.0 NOT ALLOCATED  
(FORMERLY USED BY SURVEILLANCE DEVICES)
- 81000.0 84000.0 OUT BASE CORDLESS (NOT PP.TT. APPROVED) (RARE)
- 82750.0 89750.0 ITALIAN TV CHANNEL C (TX IN TORINO ONLY)  
(AUDIO CARRIER 88.250)

These beautiful entries were made by our (11) ute buffs: FHunger, rcI, lrG, pcG, hb31, zeTC, mm35/mmLIS (=mm35 in Lisboa/POR), dmRU, wh03 (welcome!), alEU, ai46 gd dx + 73`s, until next month (c)  
Andreas

A.Ibold - all rights reserved @

EUROPEAN UTILITY NEWSLETTER 4-2000

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*****
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*                               Deadline: 20th of the month!!!                 *
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Hi utebuffs,

it`s anniversary again! The first EUNL was #4-1997. So take a little time, light a candle, drink some tea or coffee and eat some cake.... EUNL 5-2000 may be come up a little bit later as usual, as I am on holiday and I don`t know if I would be right on time with the next issue. Some nice input this time. At the end of this issue, you find some informations about the annual AFD (Armed Forces Day) comming up in May this year. Take care and good DX!

N D B

265	0118	KAV	Pula/Kavran	HRV	id	zeTC
267	0120	FNO	Haugesund/Foyno	NOR	1d	zeTC
275	0010	MS	Monastir/Msaken	TUN	id	zeTC
283	0020	SF	Torp/Sandefjord	NOR	id	zeTC

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284	0105	GRN	Gorna/Orvahovitsa	BUL	id	nr76
284,5	2322	DY	Düsseldorf	D	id	pt53
285	0042	O	Szczecin-Goleniow	POL	id	wh03
285	0045	PT	Katowice-Pyrzowice	POL	id	wh03
290	2359	TR	Tirana/Rinas	ALB	id	pt53
290	2328	GRZ	Graz	AUT	id	pt53
290	2334	ONL	Liege	BEL	id	pt53
290,5	2326	VI	Cabo Villano Lt.	E	id + dash	pt53
292	2327	NKR	Neckar	D	id	pt53
293	0120	STE	Steinhof	AUT	id	wh03
293	0048	OB	Brussel-Zaveltem	BEL	id + tone	pt53
295	2233	PT	Skopje	MKD	id + tone	zeTC
295	2335	DC	Debrecen	HNG	id	zeTC
300,5	2339	LW	Koeln-Bonn	D	id	pt53
301,5	0140	CMP	Campagnao	I	id	zeTC
302	1023	KA	Kornik	POL	id	wh03
304	2020	ME	Pt.della Maestra	I	id + tone	zeTC
306,5	2356	H	Hel	POL	id + dash	pt53
307	1941	DIK	Diekirch	LUX	id	pt53
307,5	2343	RS	Ristna	EST	id + dash	pt53
309	0732	MW	Berlin-Schönefeld	D	id	wh03
309,5	2336	EYa	Mys Yevpatorisyskiy	UKR	id+dash	nr76
309,5	2337	OD	Odesskiy/Mys Bol'shoy Fontan	UKR	id+dash	nr76
309,5	2340	TR	Mys Tarkhankutskiy	UKR	id+dash	nr76
309,5	2341	SW	Mys Khersonneskiy	UKR	id+dash	nr76
313	2028	AB	Innsbruck/Absam	AUT	id	zeTC
313	2030	KI	Klagenfurt	AUT	id	zeTC
315	2342	STK	Stadskanaal	HOL	id	zeTC
316	1942	PH	Eindhoven	HOL	id	pt53
316	2344	PH	Eindhoven	HOL	id	zeTC
316	2348	SPO	UNID	?	id 10x per min	zeTC
316	0202	TNJ	Tounj	HRV	id + tone	zeTC
319	0209	G	Halli	FIN	id	zeTC
320	1745	VE	Valence/Chabueil	F	id+dash	nr76
320	0207	VL	Pula/Valtura	HRV	id + tone	zeTC
321	0740	GL	Berlin-Tegel	D	id	wh03
321	2231	BU	Burgas	BUL	id	zeTC
323	2235	GT	Hamburg/North	D	id	zeTC
325	2238	UU	Constanta	ROU	id	zeTC
325	2243	RCA	Reggio Calabria	I	id	zeTC
325	0220	DP	Diepholz	D	ld + 2 tone	zeTC
327	0113	LV	Koeln-Bonn	D	id + dot	pt53
328	2246	TRO	Joday	LBY	id	zeTC
330	0205	IB	UNID	?	id	wh03
330	0228	SKS	Karlstad	S	id	zeTC
331	0234	NMN	Mendig	D	id + 2 tone	zeTC
334	0209	FAU	Fauna (Bornholm)	DNK	id	wh03
334a	0124	LI	UNID	?	LI every 9 seconds	pt53
335	0230	AC	Hultsfred	S	id	wh03
335,5	2240	TWN	Twente	HOL	id	pt53
337	2241	ZL	Maastricht	HOL	id	pt53
339	0019	OL	Shannon	IRL	id	pt53
340	0142	KAI	Kaipi (Utti)	FIN	id	wh03
341	2330	POR	Pori	FNL	id	nr76
342	0123	OA	Alger/Boumedienne	ALG	id+dash	nr76
342	1008	AL	Mirolawiec	POL	id	wh03
344	2200	HN	Hohn AFB	D	id + tone	zeTC
346	1900	WLU	Luxembourg	LUX	id	pt53
347	0144	CVT	Chalons/Vatry	F	id+dash	nr76
348,5	0035	LG	Liege-Bierset	BEL	id	pt53
349	0058	JX	Växjö-Kronoberg	S	id	wh03
355	1200	DRW	Drewitz	D	id	wh03
356	0130	SU	Salzburg	AUT	id	nr76
357	0125	KVR	Athens/Kavouri	GRC	id	nr76
360	1946	SR	Saarbrücken	D	id	pt53
360,5	0130	MAK	Mackel	BEL	id + tone	pt53
361	0303	W	Warszawa/Okecie	POL	id	nr76
362	0832	SLN	Berlin-Schönefeld	D	id	wh03

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364	0148	GRU	Grudziadz/Lisiekaty	POL	id	nr76
364	0225	GRU	Grudziadz	POL	id	wh03
365	0204	VIL	Vilnius	LTU	id	nr76
365	0041	LJ	Koeln-Bonn North	D	id	pt53
366	1130	VAT	Chalons/Vatry	F	id+dash	nr76
367	0201	SBD	Sabadell	E	id	nr76
367	0134	ZAG	Zagreb	HRV	id+dash	nr76
367	2118	AML	Amalias	GRC	id	zeTC
373	1948	NW	Maastricht	HOL	id	pt53
374	0720	FS	Dresden	D	id	wh03
377	1847	MGB	Moenchengladbach	D	id + 2 tones	pt53
383,5	1846	GUL	Gulpen	HOL	id	pt53
388	1133	LOU	Loudes	F	id+dash	nr76
389	0145	CP	Lisboa/Caparica	POR	id	nr76
390	2311	AVI	Aviano	I	id	pt53
393	1940	DEN	Dendermonde	BEL	id + tone	pt53
398	2342	NF	Falköping	S	id	nr76
398	2344	PEO	Stockholm/Peola	S	id	nr76
406,5	0156	BOT	Bottrop	D	id	pt53
410	2233	S	Savonlinna	FIN	id	zeTC
412	0217	FS	Sliac	SVK	id	nr76
416	2353	POZ	Beograd/Pozarevac	YUG	id+dash	nr76
417	0155	LI	Düsseldorf	D	id	pt53
421	0139	GE	Madrid/Getafe	E	id	nr76
424	2350	OKF	Desna	TCH	id	nr76
426	0003	WYP	Wipperfierth	D	id	zeTC
428	2346	TGM	Tirgu Mures	ROM	id	nr76
429	2348	D	Bratislava/M.R.Stefanik	SVK	id	nr76
453	2341	CN	Piestany	SVK	id	nr76
471	2338	UZ	UNID	?	id+dash	nr76
477	2336	RP	Senica	SVK	id	nr76
480	2335	VIB	Viterbo	I	id	nr76
492	0157	TBV	Moravska Trebova	TCH	id	nr76
495	0056	PA	Pancevo	YUG	id + tone	zeTC
525	0025	PL	Pulkovo	RUS	id	zeTC
529	0115	SF	Sofia	BUL	id	zeTC
590	1828	OL	Szczecin-Goleniow	POL	id	pt53
615	0032	OM	Dab Duc/Gorm	IW	id + tone	zeTC
615	0036	LF6M	Mobil/Statfjord	IW	id + tone	zeTC

## F I X E D

2278,5	1908		unid	?	USB Voice Scrambler	mm35
2340	1910		unid	?	USB Voice Scrambler	mm35
2357	1912	OUA	Ny Aarhus	DNK	cw marker	mm35
2526	1917		unid	?	USB Voice Scrambler	mm35
3108	1936			IW	USB deutsche Schiffe	mm35
3282	1938			IW	USB deutsche Schiffe	mm35
3673	2000	PBK	CG Ijmuiden	HOL	E wx	mm35
6843	1048	FDC	AF Metz	F	cw-marker	mm35
7833	1053	FDC	AF Metz	F	cw-marker	mm35
10355	1900	4XZ	Ny Haifa	ISR	cw-msgs	mm35
10471	1925	FDC	AF Metz	F	cw-marker	mm35
10955	1330		unid	?	USB POL tfc	mm35
13927	2345	AFA1EN	MARS Shelbyville,IN	USA	wkg Reach 3706, phonepatch	ai46
18110	1750	CS3B	PB Sto. da Serra	MDR	cw-ID + dash	egCH
18110	1751	VE8AT	PB Alert	CAN	cw-ID + dash	egCH
18248	1855	8BY	F Intel	F	cw v mkr 629/532	mm35
18820	1300		Madrid Radio	E	USB clg unid station	mm35
28193,9	1222	A47RB	PB Muscat	OMA	cw-ID + dash	egCH
28196,85	1743	VE7MTY	PB Vancouver	CAN	cw-ID	egCH
28200	1729	4X6TU	PB Tel Aviv	ISR	cw-ID + dash	egCH
28200	1730	4U1UN	PB New York	USA	cw-ID + dash	egCH
28200	1731	W6WX	PB San Jose,CA	USA	cw-ID + dash	egCH
28224,9	1730	KW7Y	PB Marysville,WA	USA	cw-ID	egCH
28250,25	1530	Z21ANB	PB Bulawayo	ZWE	cw-ID	egCH
28260	1705	WB8KRH	PB Lexington,OH	USA	cw-VVV	egCH
28288	1645	WA7LNV	PB Hurricane,UT	USA	cw-VVV	egCH

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30450	1422	Fort Hood, TX US Army Base	USA	rcI
31220	1420 KII822	Forestry Conser., Rockingham, NC	USA	rcI
31260	1404 KSQ344	Forestry Conser., Fayetteville,NC	USA	rcI
33375	1457 CMQL851	Ministerio de Agricultura	CUB	rcI
33380	1444 KQA793	Columbia Gas Transmission Corp., Flat Top,WV	USA	rcI
33380	1447 KQA323	Columbia Gas Transmission Corp., Branchland,WV	USA	rcI
33380	1449 KQA852	Columbia Gas Transmission Corp., Coal Grove,OH	USA	rcI
33380	1505 KQA800	Columbia Gas Transmission Corp., Huntington,WV	USA	rcI
33425	1515 CMQP904	Ministerio de Agricultura	CUB	rcI
33425	1447 CMQL89	Ministerio de Agricultura, Prob Rio Friò	CUB	rcI
33540	1526 KCE564	Fire Station, Erving,MA	USA	rcI
33580	1500 KCE816	Fire Station, Southington,CT	USA	rcI
33660	1533 KCB979	Fire Station, Norwich,CT	USA	rcI
33800	1347 WPKR804	Emergency Comm Center Quinebaug Valley,Danielson,CT	USArCI	
33820	1554 WNXX904	Oxford Ambulance Association Inc., Oxford,CT	USA	rcI
33840	1602 KFZ831	Perry Twp Fire Station, Massillon,OH	USA	rcI
33860	1346 KBK521	Fire Station,Richville,OH	USA	rcI
33860	1551 WNSU703	Delaware County Fire Station, Delaware,OH	USA	rcI
33920	1447 XKB627	Residence Biermans In-house pager,Montreal	CAN	rcI
33920	1549 KNFF559	Monroe County Fire Control Center, Stroudsburg,PA	USA	rcI
33980	1540 KCC957	Fire Station, Bethelton,CT	USA	rcI
35640	1505 KTC886	Medical Pager, Jamaica,NY	USA	rcI
35800	1354 WNSP681	Robert K Barba ,Brandford,CT	USA	rcI
37180	1414 KEA323	Rockland County Police, Pomona,NY	USA	rcI
37740	1351 KGH244	Pennsylvania Power and Light Inc.,Haneyville,PA	USA	rcI
37860	1514 KQZ250	Pennsylvania Power and Light Inc.,Newton Twp,PA	USA	rcI

## M A R I T I M E

1635	2010	FFU	Brest-Le Conquet R.	F QRT-anns FR/EN/SP	egCH
1767	1938		Milford Haven CG	G usb,E, wx	pt53
2182	2103		Radionaval Alges	POR OM PP/EE, QSX 2657	ai46
2182	1833	OSU	Oostende R.	BEL usb,E/Dutch, QSY 2761	pt53
2182	1833	OXZ	L yngby R.	DNK usb,E,QSY 1734,1704,1758,25	pt53
2182	1835		CROSS Corsen	F usb,F,QSY	pt53
2182	1938		Milford Haven CG	G usb,E,QSY 1767	pt53
2182	1937	ICB	Genova R.	I usb,E/I,QSY 2642,1925	pt53
2182	2236	IDC	Cagliari R.	I usb,E/I QSY 2680,2719	pt53
2182	2236	IQX	Trieste R.	I usb,E/I QSY 1855,2624,2656	pt53
2182	1933	SPH	Gdynia R.	POL usb,E/POL,QSY 1692	pt53
2182	1934	SDJ	Stockholm Radio	S usb,E,QSY	pt53
2182	1924		Tarifa R.	E calling UIVF	egCH
2182	2005	FFU	Brest-Le Conquet R.	F QRT-anns in FR/EN/SP(28-02)	egCH
2182	2105		Shetland CG	G ID QSY 1770	egCH
2182	2134		Milford Haven CG	G ID,new navwarning QSY 1767	egCH
2182	2152		Swansea CG	G ID PAN PAN	egCH
2226	1925		Aberdeen Coastguard	G usb,E,wx	pt53
2598	2307		Labrador CCG	CAN ID	egCH
2657	2123	CTN37	R. Navao Apulia	POR usb,E/P, nav. warnings	pt53
3678	0310	SXH32	Ny Crete	GRC cw-vvv (bad keying)	nr76
8429,5	0600	NMO	USCG Honolulu	HWA cw-ID + sitor	egCH
8706,4	0633	USI	Kherson R.	UKR cw-de,tfc	ai46
8743	1557	HSW	Bangkok Meteo	THA usb E mm,YL-ID,wx	zeTC
			(not Bangkok Radio/HSA! see EUNL 3-2000/pcG)		
8794	1657	A7D	Doha R.	QAT usb E,A OM-ID	zeTC
12811	1530	JFM	Muroto Fish. R.	J cw-cq	ai46
12832,5	1735	JFC	Misaki Fish. R.	J cw tfc,id	ai46
13077	1542	PKF	Ujung Pandang R.	INS usb wk d LPZU,	zeTC
13086	1551	HSA	Bangkok R.	THA usb r/t tfc,ID	zeTC
13086	1605	YLQ	Riga R.	LVA usb tfc list	zeTC
13113	1706	EJQ	Chah Bahar R.	IRN usb E,Far OM-ID,tfc	zeTC
13113	1727	HLS	Seoul R.	KOR usb mm	zeTC
13119	1733	S7Q	Mahe R.	SEY usb E wk d C40.,OM-ID	zeTC
13149	1616	XSQ	Guangzhou R.	CHN usb CH YL-ID	zeTC
13188	1624	XSG	Shanghai R.	CHN usb r/t tfc	zeTC
16816,5	1605	NMC	USCG PtReyes	USA cw-ID + sitor	egCH
17090	0831	UAI3	Nakhodka R.	RUS cw-VVV	egCH
22384,5	1655	SVT	Athinai Radio	GRC cw	mm35

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## A E R O (Ground - stations)

6535	0252	Canarias Aero	CNR	usb,E,wkg	Speedbird 2256	pt53
6604	0250	Gander Volmet	CAN	usb,E,mv,Volmet, ID		pt53
6604	0249	New York Volmet	USA	usb,E,ID,Volmet		pt53
6628	0216	CSY Santa Maria Aero	AZR	usb,E,wkg	Air Europe 88	pt53
6676	2113	Bangkok Volmet	THA	usb,E,ID,Volmet		pt53
8837	0221	LDOC El AL	ISR	usb,hebr.,wkg	a/c	pt53
8861	0232	Sal Aero	CPV	ctc	Dakar	nr76
8861	2306	Dakar Aero	SEN	usb,E,wkg	Ascot 3221	pt53
8864	2036	Gander Aero	CAN	USB,E,wkg	American 147	pt53
8879	2038	Bombay Aero	IND	USB,E,wkg	Malaysian 156	pt53
8891	1550	Tashkent Volmet	UZB	YL,Volmet, id		ai46
8891	2117	Iceland Aero	ICL	usb,E,wkg	Air France 6721	pt53
8903	0112	Ndjamena Aero	TCD	usb,E,wkg	Speedbird 57	pt53
8906	0033	Shanwick Aero	G	usb,E,wkg	Speedbird 2232	pt53
8930	2241	SDJ Stockholm Radio	S	usb,E,wkg	Malaysian 6136	pt53
8933	2244	Springbok SA Airways	AFS	usb,wkg	Springbok 217	pt53
8957	2225	Shannon Volmet	IRL	usb,E,wx, ID		pt53
11285	2030	Chennai Aero	IND	USB,E,wkg	Singapore 409	pt53
11285	2034	Kuala Lumpur Aero	MLA	USB,E,wkg	Malaysian 11	pt53
11300	2112	Khartoum Aero	SDN	usb,E,wkg	KLM 56	pt53
11387	1900	Sydney Volmet	AUS	usb,E,Volmet		pt53

## A E R O (aircraft)

Nothing to report?!?

## D I G I T A L

518	2139	SVK	Kerkyra R.	GRC	NAVTEX,cq	Kerkyra	zeTC
518	2152	SVL	Limnos R.	GRC	NAVTEX,wx, ID		zeTC
518	2234	EJM	Malin Head R.	IRL	NAVTEX,M.Head	XMRSC	zeTC
518	2210		UNID (Rogaland?)	?	NAVTEX,ZCZC	NA02	zeTC
518	2241	9AS	Split R.	HRV	NAVTEX/100,		zeTC
2203,1	1904	MGJ	Ny Faslane	G	RTTY75 ry		mm35
2473,7	1915	PBC	Ny Noordwijk	HOL	RTTY75 ry		mm35
2608,3	1918	FUO	Ny Toulon	F	RTTY75 ry		mm35
2814,5	1927	IDR	Ny Roma	I	RTTY75 ry		mm35
2834	1931		unid	?	FEC-100 250		mm35
2845	1934	PBB	Ny Den Helder	HOL	RTTY75 ry		mm35
3286,4	1940		unid	?	POL-ARQ 100 5		mm35
3782	2005		unid	?	RTTY75 SWAN	CTVN	mm35
5100	2210	BDF	Shanghai Meteo	CHN	FAX-120,VVV DE	BDF	zeTC
5148	1840		unid	?	ARQ-E72 idle		mm35
5326	2330		unid	?	ARQ-E72idle		mm35
5367,5	1838	FDI22	AF Narbonne	F	RTTY50 ry		mm35
6348	1330	FUE	Ny Brest	F	RTTY150 ry	testing	mm35
6385	2110	FUO	Ny Toulon	F	RTTY75 ry		mm35
6389	2113	CTO	Ny Palhais	POR	RTTY75 ry		mm35
7614	2058	RFFH	FF Marseille	F	ARQ-E-184.7, idle		zeTC
7646	1050	DDH7	DWD Pinneberg	D	RTTY50 ry		mm35
8144	0737		Moskva Meteo	RUS	FAX-120, //11450	anal	zeTC
8677	2310	CBV	Playa Ancha R.	CHL	FAX-120,sfc	anal	zeTC
9110	2036	NMF	USCG Boston	USA	FAX-120,500hPa	fcst	zeTC
9337	1430		unid	?	ARQ-E72 idle		mm35
10215	1848	HZN48	Jeddah Meteo	ARS	RTTY100	Synop wx	mm35
10284	1430	RC2ZAG	ICRC Zagreb	HRV	PACTOR to	Geneva	mm35
10284	1550	RC2BEL	ICRC Beograd	SER	PACTOR to	Geneva	mm35
10493	1110	V5G	MFA Bucarest	ROU	ROU-FEC164,5	msgs to Emb	mm35
11125	2133	HZN	Jeddah Meteo	ARS	RTTY-100/450,	METAR	zeTC
11518,2	1700		unid	?	ARQ-342 200	idle	mm35
12629	1715	KHF	Guam R	GUM	SITOR-B/100,	tfc list	zeTC
12745,5	1728	JJC	KYODO Nazaki	J	FAX-60,J	newspaper	zeTC
12750	2138	NMF	USCG Boston	USA	FAX-120,sfc	anal	zeTC
13063,5	1608	VIE	Globe Darwin Node	AUS	SITOR-A	cw mkr	zeTC
13072,4	1604	KFS	Palo Alto R.	USA	SITOR-A	cw mkr	zeTC

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13108,4	1610	9MG	Penang R.	MLA	SITOR-A cw mkr	zeTC
13444,2	1313	FUV	Ny Djibouti	DJI	ARQ-E100 CdV	mm35
13572,5	0900	RFGW	MFA Paris	F	ARQ-E184,65 5FGPS to RFFXL	mm35
13844,7	1740	FUX	Ny Reunion	REU	ARQ-E3100 RFVIE Circuit	mm35
13958,5	1505	HBD20	MFA Bern	SUI	SITOR-A tfc to Emb	mm35
14681,3	1121	V5G	MFA Boucarest	ROU	ROU-FEC164,5 msgs to Emb	mm35
15750	1750	MKK	AF London	G	RTTY75 encr tfc	mm35
16135	1806	KVM70	Honolulu Meteo	HWA	FAX-120,sfc anal Pac.	zeTC
16834	1652	UIW	Kaliningrad R	RUS	RTTY-50/175,RY DE UIW	zeTC
16958	1706	FUJ	Ny Noumea	NCL	RTTY-75/850,RY DE FUJ	zeTC
17069,5	1740	JJC	KYODO Nazaki	J	FAX-60,J newspaper	zeTC
17179,9	1500	FUG	Ny La Regine	F	RTTY75 ry+RFFME-id	mm35
17550,9	1937	RFTJ	FF Dakar	SEN	ARQ-E3-192, cont.voie	zeTC
18552,4	1125	V5G	MFA Bucarest	ROU	ROU-FEC164,5 msgs to Emb	mm35
18553	1118	V5G	MFA Bucuresti	ROU	RUM-FEC-164.7,Rou nx	zeTC
19047,7	1100		unid	?	ARQ-342 192	mm35
19646,7	1554	RFLIG	FF Cayenne	GUF	ARQ-E3-192,idle	zeTC
20179,7	1600		unid	?	ARQ-E 100	mm35
20186	1205		unid	?	PACKET 300	mm35
20399	1556		unid	?	COQUELET 15:56	mm35
20633,7	1620	FUX	Ny Reunion	REU	ARQ-342 100 RFVIE cir. REI	mm35
20803,5	1616	FUV	Ny Djibouti	DJI	ARQ-342 200 RFQP CdV	mm35
20805,2	1700	FUV	Ny Djibouti	DJI	ARQ-342 200 RFQP cir. QPF	mm35
20845,2	1532	RFFA	FF Paris	F	ARQ-342 200 RFFA circu.PQB	mm35
20856,7	1531	FUV	Ny Djibouti	DJI	ARQ-342 200 RFQP circ. DJK	mm35
20865,2	0815	RFFA	FF Paris	F	ARQ-342 200 RFFA circu.RQF	mm35
22447	1514	RFQPM	Ny Djibouti	DJI	RTTY-75/850,testing	zeTC
22537	1520	FUF	Ny Fort de France	MRT	RTTY-75/850,DE FUF	zeTC
22537	1710	FUF	Ny Fort-de-France	MRT	RTTY75 ry	mm35
22581,3	1720	FUX	Ny Reunion	REU	RTTY75 RFVIE id + ry	mm35
22583	1530	RFVIE/FUX	Ny Le Port	REU	RTTY-75/850,RFVIE/FUX	zeTC
22607,3	1536	SAB93	Goeteborg R.	S	SITOR-A/100,MARITEX	zeTC
26241,7	1735	FUX	Ny Reunion	REU	ARQ-E3 100 RFVI circuitREI	mm35

T I M E S I G N A L

Nothing to report ?!?

Q S L - R E V I E W

ITU Station	days	rvcd/gvn	QRG	Call	Power	name
CAN-CCG Fundy	33	f/d 1	2749	VAR	1KW	egCH
CAN-CCG Placentia	18	1t	2598	VOP	5KW	egCH
CAN-CCG Riv.au Renard	18	1t	2598	VCG	1KW	egCH
CAN-CCG St.John's	21	1t	2598	VON	5KW	egCH
CZE-NDB Caslav	35	ppc via cen-ads	345,5	`CF`		nr76
CZE-NDB Names nad Oslavou	35	ppc via cen-ads	514,5	`XU`		nr76
CZE-NDB Pardubice/Prvek	35	ppc via cen-ads	432	`PK`		nr76
CZE-NDB Plzen/Line	35	ppc via cen-ads	398	`D`		nr76
CZE-NDB Praha/Ruzyne	35	ppc via cen-ads	307	`PG`		nr76
CZE-NDB Praha/Ruzyne	35	ppc via cen-ads	356	`PR`		nr76
CZE-NDB Prerov	35	ppc via cen-ads	441	`CK`		nr76
CZE-NDB Vlasim	35	ppc via cen-ads	382	`VLM`		nr76
CZE-NDB Vozice	35	ppc via cen-ads	322	`VOZ`		nr76
D -DWD 99	f/d	certificate(special event program),i	147.3	DDH47	15KW	egCH
EQA-Guayaquil R.	21	ppc,kind lt,vc f/up	8474	HCG		nr76
F -CROSS Gris Nez	30	L,info/ms	2182		250 w	js38
F -CROSS Etel	15	f/d lt,sti	2182			egCH
F -NDB Chalons/Vatry	7	ppc	347	`CVT`		nr76
F -NDB Chalons/Vatry	7	ppc	367	`VAT`		nr76
F -NDB Charleville/Meziers	21	ppc via cen-ads	379	`CZ`		nr76
F -NDB Ile-de-Vierge	62	ppc	314	`VG`		nr76
F -NDB Montlucon/Donmerat	21	ppc via cen-ads	335	`MC`		nr76
FAR-NDB Akraberg	14	ppc	381	`AB`		nr76
FAR-NDB Myggenaes	14	ppc	337	`MY`		nr76
FAR-NDB Noisoe	14	ppc	404	`NL`		nr76
FAR-Torshavn R.	10	f/d 1t	1758	OXJ	1KW	egCH



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FIN-Turku R.	63	p/d lt	1677	OFK		egCH
FNL-Turku R.	58	ppc/irc	2182	OFK		js38
G -Holyhead CG	15	f/d cd,lt	2182		250w	egCH
G -Jersey R.	28	lt,i	2182	GUD	200w	egCH
G -Niton R.	382	cd	518	GNI		zeTC
G -Shetland CG	8	lt	2182/1770		750w	egCH
G -SKYCOM Northwood	25	Cd/e-mail	4355,4	GZZ		js38
GRC-Limnos R.	30	f/d lt, f RR dir., ans. via c/a	2730	SVL	1kw	egCH
I -Compamare Termoli	18	PPC	6815			egCH
I -Messina R.	85	ppc,lt,map/ms	2789	IDF		js38
I -MRSC Fiumicino	35	ppc,fo of crew	6815	ICI03		nr76
I -MRSC Ravenna	690	ppc	6815	ICI08	150 w	ai46
I -MRSC Ravenna	450	ppc/ms	6815	ICI08	150 w	js38
I -MRSC Ravenna	42	ppc	6815	ICI08		nr76
I -MRSC Ancona	24	f/d lt	6815	ICI07	200w	egCH
I -MRSC Bari	22	PPC	6815	ICI06		egCH
I -MRSC Ravenna	49	PPC	6815	ICI08	150w	egCH
IW -Lfb Bernhard Gruben	45	L,pc,fo/SASE	1660	DBBS		js38
IW -Lfb Hannes Glogner	6	ppc/SASE	1660	DBAJ		js38
IW -Lfb Hans Hackmack	6	ppc,pc/SASE	1660	DBAT	100 w	js38
IW -MV Seacat Rapide	14	ppc	2182	LXBG	200 w	js38
J -Misaki Fishery R.	19	QSL-cd,ppc	12832,5	JFC	2000 w	ai46
J -Muroto Fishery R.	90	ppc	16977	JFM	1000 w	js38
MDA-NDB Chisinau	14	ppc	473	`LD`		nr76
MDA-NDB Chisinau	14	ppc	473	`RG`		nr76
NOR-Farsund R.	13	PPC	2182	LGZ	1kw	egCH
NOR-Floro R.	45	f/d cd,i	2182	LGL		egCH
NOR-Orlandet R.	17	PPC,i	2182	LFO	1kw	egCH
OMA-PB Muscat	59	p/d lt	28194	A47RB	50w	egCH
POL-NDB Warszawa	35	ppc	361	`W`		nr76
POL-Slupsk R.	67	ppc,vc f/up	2182	SPG21	800 w	ai46
POL-Slupsk R.	21	ppc,vc f/up	2182	SPG21	800 w	ai46
POL-Szczecin R.	90	cd/e-mail	8650	SPE	5000 w	js38
ROU-Giurgiu Radio	277	ppc,vc,afu-cd/USD	8667	YPO	100 w	js38
S -NDB Falköping	7	ppc	366	`SF`		nr76
S -NDB Halmstad	7	ppc	421	`MF`		nr76
S -NDB Karlstad	7	ppc	341	`NKS`		nr76
S -NDB Orebro	7	ppc	400	`EN`		nr76
S -NDB Trollhättan	7	ppc	325	`PG`		nr76
USA-Cape R.	66	PPC	10780	AFE70	10 kw	egCH
USA-PB Budd Lake,NJ	134	f/d cd	28208.2	WN2A/B		egCH
USA-PB Coraopolis,PA	39	f/d cd	28269	W3HH	5w	egCH
USA-PB Fairmont,WV	69	f/d lt,blank ham cds	28228	WG8T/B	1w	egCH
USA-PB Ft.Lauderdale	76	f/d cd	28265	KK4XO/B	25w	egCH
USA-PB Laurel,MD	44	f/d cd	28296	W3VD	8w	egCH
USA-PB Lauret,MD	21	cd	28296	W3VD/bcn		nr76
USA-PB Mooresville,IN	59	f/d cd	28220	KB9DJA/BCN	30w	egCH
USA-Shrewsbury Fire, PA	15	lt,ppc,patch,T-shirt	33900	KTG721	60 w	js38
USA-Silvair Miami	49	ppc	10033			nr76
USA-Watchung Fire	69	ppc,lt,patch/-	33940	KEE216	100 w	js38
UZB-Tashkent Volmet	42	ppc sent by reg.mail	10090			nr76
PB=Propagation Beacon						

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard, cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, sae=self addressed envelope, f=folder, f/d full detailed, USD=US Dollar, c/a=central address, Lfb=Lifeboat

Membership and money corner:

Membership fee with thanks received from ti25, ht45, hs61 and js38. Mny tks!!!!

Addresses/Infos/Veri-signers:

C/f EUNL 2-2000: QRG PY3ARL is 28230 (not 28200) tnx Ewald, ed!

SPG21 Slupsk R.: Andrzej Włodarczyk, Box 76, 76-270 Ustka, POLAND (ai46/nr76)  
Slupsk Radio is not a typical coast station. It is the radiostation of the

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Polish Sea Administration for the control in the Polish economical Zone on the Baltic Sea. It is located in the Harbour Office of the Ustka Port.  
CZE NDB's: The envelope was stamped: Vojensky Utvar 2666, 16001 Praha (nr76)  
FAR NDB's: Statens Luftfartsvaesen, Vaga Floghvan, FO-380 Sorvagur (nr76)  
CVT/VAT NDB Chalons/Vatry: SOFREAVIA S.A. 3 Carrefour de Weiden, F- 922331 Issy-les-Moulineaux Cedex (nr76) (tnx to Michael Oexner!)  
MC NDB Montlucon/Domerat: Service de l'Information Aeronautique, Le Chef du Departement `Traitement de l'Infomation`, Monsieur Chrustian Guibert, 8 Avenue Roland Garros, B.P. 245, F- 33698 Merignac Cedex (nr76)  
VG NDB Ile-de-Vierge: Phare de Ile-de-Vierge, F- 29880 Plouguernau (nr76)  
LD/RG NDB Chisinau: Administrativa de Stat a Aviatici Civile a Republikcii Moldova, Aeroport, MD- 2026 Chisinau (nr76) (v/s: Mr. V. Petrash, Senior Deputy Director General)(nr76)  
W3VD/bcn PB Laurel, MD: The John Hopkins University Applied Physics Laboratory Amateur Radio Club, John Hopkins Road, Laurel, MD 20707, USA (nr76)  
Tashkent Volmet: Aviatsiya ma'muriyatI, O'Zaeroonavigatsiya (Uzaeonavigation), Havo Xisimat Ko'rsatish Harakatiga, 13 Lokomotivnaya St., Tashkent, 700167 Rep. Of Uzbeskistan (nr76)  
FS NDB Dresden: DFS Deutsche Flugsicherung GmbH, Niederlassung Dresden, Zur Wetterwarte 64, D-01109 Dresden (wh03)  
KK4XO/B PB Ft.Lauderdale: William Harrison, 2440 NW 115 DR, Coral Springs, FL 33065, USA (egCH)  
WG8T/B PB Fairmont,WV: Marshall Shroyer, 11 RFD 2 BOX 1500, Faimont WV 26554, USA (egCH)  
W3HH PB Coraopolis,PA: Douglas Hawkins, 959 Cliffmine Rd, Coraopolis, PA 15108, USA (egCH)  
W3VD PB Laurel,MD: APL Amateur Radio Club, 5609 Olde Oak DR, Mount Airy, MD 2177-8207, USA (egCH)  
KB9DJA/BCN PB Mooresville,IN: Ronald Burke,5773 CR E 875 S,Mooresville, IN 46158,USA  
WN2A/B PB Budd Lake,NJ: Michael Masterson, 7 Hudson Rd.Budd Lake, NJ 07828-2607, USA (egCH)

Armed Forces Day Anniversary Event to Avoid Hamvention this Year

WASHINGTON, DC, Mar 1, 2000--Although Armed Forces Day will be celebrated on Saturday, May 20, 2000, the Secretary of Defense has designed May 13-21, 2000 as Armed Forces Week. To avoid a conflict with Dayton Hamvention, the Army, Air Force, Navy, Marine Corps, and Coast Guard are co-sponsoring the annual Amateur Radio communications tests in celebration of the 50th Anniversary of Armed Forces Day on May 13-14, 2000.

The annual celebration features traditional military to amateur cross band communications test and the message receiving test. These tests give Amateur Radio operators and short wave listeners an opportunity to demonstrate their individual technical skills and receive recognition from the Secretary of Defense or the appropriate military radio station for their proven expertise.

QSL cards will be provided to those making contact with the military stations. Special commemorative certificates will awarded to anyone who receives and accurately copies the digital Armed Forces Day message from the Secretary of Defense.

Military-to-Amateur Cross Band Test Contacts Military-to-Amateur cross band operations will take place during 13-14 May 2000. Times in Zulu (UTC) and frequencies for each station is listed below. Contacts will include operations in single sideband voice (SSB) and digital modes (RTTY, PACTOR, AMTOR, GTOR, and CLOVER). Some stations may not operate the entire period, depending on propagation and manning. Participating military stations will transmit on selected Military MARS frequencies and listen for Amateur Radio stations in the Amateur bands indicated below. The military station operator will announce the specific amateur band frequency being monitored. Duration of each contact should be limited to 3 minutes. The following stations will be transmitting on MARS frequencies listed below.

STATION: AAZ (13 May 1300Z-14 May 1300Z)  
Frequency Mode Band  
4038.0 kHz LSB 80

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6913.0 kHz LSB 40  
7424.0 kHz LSB 40  
13910.5 kHz USB 20  
13993.0 kHz USB 20  
21824.0 kHz USB 15  
27788.5 kHz USB 10

Address:

HQ USASC  
ATTN: AFSC-OPE-MA (MARS)  
Ft. Huachuca, AZ 85613-5000

STATION: AAC2KYA (13 May 1300Z-2300Z)

Frequency	Mode	Band
5760.0 kHz	USB	80
7314.0 kHz	LSB	40
10163.5 kHz	USB	30
14402.0 kHz	USB	20
18211.0 kHz	USB	17

Address:

HQs 1st BN 623d FA (MLRS)  
BN Signal Support NCO  
410 Cavalry Drive  
Glasgow, KY 42141-1045

STATION: AIR (13 May 1200Z-2400Z )

Frequency	Mode	Band
4026.5 kHz	LSB	80
6894.5 kHz	USB	40
7316.5 kHz	LSB	40
13985.0 kHz	USB	20
13996.0 kHz	USB	20

Address:

USAF MARS Station  
789TH Comm SQ/SCS-3  
Andrews AFB  
Washington, DC 20672

STATION: AIR-2: (13 May 1500Z-14 May 0300Z)

Frequency	Mode	Band
4488.5 kHz	USB	80
6994.5 kHz	USB	40
13983.5 kHz	USB	20
14387.5 kHz	USB	20
27983.5 kHz	USB	10

Address:

USAF MARS Station  
P.O. Box 394  
Edwards AFB, CA 93523

STATION: NAV (13 May 1200Z-14 May 0400Z )

Frequency	Mode	Band
4010.0 kHz	RTTY/LSB	80
7348.0 kHz	RTTY/LSB	40
14478.5 kHz	RTTY/USB	20
20994.0 kHz	RTTY/USB	15

Address:

HQ NAVMARCORMARS Radio Station  
Nebraska Avenue Complex  
4234 Seminary Dr NW--Suite 19239  
Washington, DC 20394-5461

STATION: NAV-2 (13 May 1200Z-14 May 0400Z )

Frequency	Mode	Band
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4016.5 kHz RTTY/LSB 80  
7366.5 kHz RTTY/LSB 40  
14470.0 kHz RTTY/USB 20  
20678.5 kHz RTTY/USB 15

Address:

NAVMARCORMARS Radio Station  
1050 Remount Rd--Bldg 3231  
Charleston, SC 29406-3542

STATION: NAV-3 (13 May 1200Z-14 May 0400Z )

Frequency	Mode	Band
4014.0 kHz	RTTY/LSB	80
7394.5 kHz	RTTY/LSB	40
13974.0 kHz	RTTY/USB	20
20997.0 kHz	RTTY/USB	15

Address:

NAVMARCORMARS Radio Station  
9035 Ocean Drive Suite 3A  
Corpus Christi, TX 78419-5234

STATION: NAV-4 (13 May 1200Z-14 May 0400Z )

Frequency	Mode	Band
4011.5 kHz	RTTY/LSB	80
7376.5 kHz	RTTY/LSB	40
14467.0 kHz	RTTY/USB	20
21758.5 kHz	RTTY/USB	15

Address:

NAVMARCORMARS Radio Station  
615 Preble Ave  
Camp Barry Bldg 153  
Great Lakes, IL 60088-2850

STATION: NBL (13 May 1200Z-14 May 0400Z )

Frequency	Mode	Band
4041.5 kHz	RTTY/LSB	80
7371.5 kHz	RTTY/LSB	40
14391.5 kHz	RTTY/USB	20
20623.5 kHz	RTTY/USB	15

Address:

NAVMARCORMARS Radio Station  
PO Box 161 Naval Submarine Base  
Groton, CT 06349-5161

STATION: NMH (13 May 1200Z-14 May 0400Z )

Frequency	Mode	Band
4006.5 kHz	RTTY/LSB	80
7386.5 kHz	RTTY/LSB	40
14383.5 kHz	RTTY/USB	20
20373.5 kHz	RTTY/USB	15

Address:

USCG Telecommunication and Information Systems Command  
7323 Telegraph Rd  
Alexandria, VA 22315-3940

STATION: NPL (13 May 1200Z-14 May 0400Z )

Frequency	Mode	Band
4003.0 kHz	RTTY/LSB	80
7351.5 kHz	RTTY/LSB	40
14463.5 kHz	RTTY/USB	20
20936.0 kHz	RTTY/USB	15

Address:

NAVMARCORMARS Radio Station

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937 North Harbor Dr  
San Diego, CA 92132-5100

STATION: NUW (13 May 1200Z-14 May 0400Z )

Frequency	Mode	Band
4044.0 kHz	RTTY/LSB	80
7381.5 kHz	RTTY/LSB	40
13528.5 kHz	RTTY/USB	20
20952.5 kHz	RTTY/USB	15

Address:

NAVMARCORMARS Radio Station  
260 W Pioneer FSC Bldg  
NAS Whidbey Island, WA 98277

STATION: WAR (13 May 1200Z-14 May 1200Z)

Frequency	Mode	Band
4020.0 kHz	LSB	80
6910.0 kHz	USB	40
7363.0 kHz	LSB	40
13512.5 kHz	USB	20
14928.5 kHz	USB	20
20518.5 kHz	USB	15

Address:

Commander, 1110th Signal Battalion  
1671 Nelson Stt  
ATTN: MARS Station Bldg 1678  
Ft Detrick, MD 21702

STATION: WDE (13 May 1300Z-2300Z)

Frequency	Mode	Band
4438.5	USB	80
6989.5	USB	40
10150.0	USB	30
14438.5	USB	20
14512.5	USB	20

Address:

DEARNG  
STARC HQ  
1st Regiment Rd  
Wilmington, DE 19808-2191

STATION: WUG-231 (13 May 1300Z-14 May 0600Z)

Frequency	Mode	Band
4032.0 kHz	LSB	80
6826.0 kHz	LSB	40
14484.0 kHz	USB	20
14663.5 kHz	USB	20
20973.5 kHz	USB	15

Address:

USACE Memphis District Office  
ATTN: Jim Pogue  
Public Affairs Office Room B-202  
167 N Main St  
Memphis, TN 38103-1894

Secretary Of Defense Message Test Via Digital Modes

The Secretary of Defense message will be transmitted from the stations below, including frequencies, mode, and date/time in Zulu (UTC). All frequencies are listed for center of intelligence. Offset as appropriate for your TNC. (Note: Not all stations may necessarily operate on all the frequencies listed, depending on propagation and available equipment.)

STATION: AAZ (HQ Army MARS and Western Area Gateway, Fort Huachuca, AZ)

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Frequency	Mode	Broadcast Date/Time
6988.0 kHz	RTTY	14 May/0230Z
	PACTOR FEC	14 May/0310Z
	CLOVER	14 May/0340Z
(21825.5 kHz)	RTTY	14 May/0230Z
	PACTOR FEC	14 May/0310Z
	CLOVER	14 May/0340Z

STATION: NAV (HQ NAVMARCORMARS Radio Station, Washington, DC)

Frequency	Mode	Broadcast Date/Time
7346.5 kHz	RTTY	13 May /2340Z
	PACTOR FEC	14 May/0010Z
	AMTOR FEC	14 May/0040Z
14480.0 kHz	RTTY	13 May/2340Z
	PACTOR FEC	14 May/0010Z
	AMTOR FEC	14 May/0040Z

STATION: NAV-2 (NAVMARCORMARS Radio Station, Charleston, SC)

7365.0 kHz	RTTY	13 May /2340Z
	PACTOR FEC	14 May/0010Z
	AMTOR FEC	14 May/0040Z
14471.5 kHz	RTTY	13 May/2340Z
	PACTOR FEC	14 May/0010Z
	AMTOR FEC	14 May/0040Z

STATION: NAV-3 (NAVMARCORMARS Radio Station, Corpus Christi, TX)

7393.0 kHz	RTTY	14 May/0240Z
	PACTOR FEC	14 May/0310Z
	AMTOR FEC	14 May/0340Z
13975.5 kHz	RTTY	14 May/0240Z
	PACTOR FEC	14 May/0310Z
	AMTOR FEC	14 May/0340Z

STATION: NAV-4 (NAVMARCORMARS Radio Station, Great Lakes, IL)

7375.0 kHz	RTTY	14 May/0240Z
	PACTOR FEC	14 May/0310Z
	AMTOR FEC	14 May/0340Z
14468.5 kHz	RTTY	14 May/0240Z
	PACTOR FEC	14 May/0310Z
	AMTOR FEC	14 May/0340Z

STATION: NBL (NAVMARCORMARS Radio Station, Groton, CT)

7370.0 kHz	RTTY	13 May /2340Z
	PACTOR FEC	14 May/0010Z
	AMTOR FEC	14 May/0040Z
14393.0 kHz	RTTY	13 May/2340Z
	PACTOR FEC	14 May/0010Z
	AMTOR FEC	14 May/0040Z

STATION: NMH (USCG Telecommunication and Information Systems Command, Alexandria, VA)

7385.0 kHz	RTTY	13 May /2340Z
	PACTOR FEC	14 May/0010Z
	AMTOR FEC	14 May/0040Z
14385.0 kHz	RTTY	13 May/2340Z
	PACTOR FEC	14 May/0010Z
	AMTOR FEC	14 May/0040Z

STATION: NPL (NAVMARCORMARS Radio Station, San Diego, CA)

7350.0 kHz	RTTY	14 May/0240Z
	PACTOR FEC	14 May/0310Z
	AMTOR FEC	14 May/0340Z
14465.0 kHz	RTTY	13 May/0240Z
	PACTOR FEC	14 May/0310Z
	AMTOR FEC	14 May/0340Z

STATION: NUW (NAVMARCORMARS Radio Station, NAS Whidbey Island, WA)

7380.0 kHz	RTTY	14 May/0240Z
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PACTOR FEC 14 May/0310Z  
AMTOR FEC 14 May/0340Z  
13530.0 kHz RTTY 13 May/0240Z  
PACTOR FEC 14 May/0310Z  
AMTOR FEC 14 May/0340Z

STATION: WAR (ARMY MARS Western Area Gateway Station, Ft Detrick, MD  
13514.0 kHz AMTOR FEC 13 MAY/2340Z  
GTOR 14 MAY/0010Z  
CLOVER 14 MAY/0040Z  
14440.0 kHz AMTOR FEC 13 MAY/2340Z  
GTOR 14 MAY/0010Z  
CLOVER 14 MAY/0040Z

Submission Of Test Entries

Transcripts of the RTTY, PACTOR, AMTOR, GTOR or CLOVER receiving test should be submitted as received. No attempt should be made to correct possible transmission errors. Provide time, frequency and call sign of the military station copied, including name, call sign, and address (including ZIP code) of individual submitting the entry. Ensure this information is placed on the paper containing the test message. Each year a large number of acceptable entries are received with insufficient information, or necessary information was attached to the transcriptions and was separated, thereby precluding issuance of a certificate. Entries must be sent to the following military address:

Stations copying AAZ or WAR send entries to:

Armed Forces Day Celebration  
Chief, Army MARS  
HQ, USASC  
ATTN: AFSC-OPE-MA (MARS)  
Fort Huachuca, AZ 85613-5000

Stations copying NAV, NAV-2, NAV-3, NAV-4, NBL, NMH, NPL or NUW send entries to:

Armed Forces Day Celebration  
Chief, Navy-Marine Corps MARS  
Nebraska Avenue Complex  
4234 Seminary Dr NW--Suite 19239  
Washington, DC 20394-5461

These beautiful entries were made by our (9) ute buffs: mm35, egCH, zeTC, pt53, rcI, wh03, nr76 ,js38, ai46  
gd dx + 73`s, until next month (c)  
Andreas

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EUROPEAN UTILITY NEWSLETTER 5-2000

\*\*\*\*\*  
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\* Deadline: 20th of the month!!! \*  
\*\*\*\*\*

Hi ladies (?) and gentlemen,

## EUNL2000

I'm back from my holiday and it is, as always, hard to find the way back into the 'normal' live. But you have no other chance. Anyway, nothing more to say and I wish you all a very happy eastern. Take care.

		N D B		
285	0140	PT	Katowice/Pyzowice	POL id nr76
301	0655	PV	unid	? id+dash (loud in BIH) nrt
308	2007	MOJ	Mojkovac	YUG id+dash nrt
320	2008	SA	Timisoara	ROU id nrt
321	0700	PS	Tuzla?(ex 544?)	BIH? id,no tone, vy loud nrt
321	2108	PZ	unid	? id+dash nrt
322	0024	OU	Stockholm-Bromma	S id wh03
330	0018	CRS	Caransebes	ROU id nr76
335	2345	BL	Budapest/Ferihegy	HNG id nrt
335	0050	TRL	Toralba de Aragon	E id nr76
340	2010	BLK	Banja Luka	BIH id+dash nr76
348	0057	CL	Cahors/Lalbenque	F id+dash nr76
349	0055	OYE	Paris-Orly	F id (no tone) nr76
351	0122	OV	Visby	S id wh03
351	0125	PLA	Pula	HRV id+ tone wh03
357,5	1630	KG	Sarajevo/Kobiljaca	BIH id+dash nrt
358	0025	BRG	Braganca	POR id nr76
360	2355	LA	unid	? id+dash (once all 10 sec) nrt
363,5	2012	BRD	Bridisi/Casale	I id nrt
372	2358	CE	Osijek/Cepin	HRV id+2sec tone nrt
375,5	2017	MGV	Camp McGovern Heliport	BIH id (vy loud) nrt
386	0040	LK	Tallinn	EST id nr76
386	0000	PTB	Pusztaszabolcs	HNG id nrt
386	0045	PTB	Pusztaszabolcs	HNG id nr76
394	0114	NV	Nevers/Fourchambault	F id+dash nr76
404	0005	BMR	Baia Mare	ROU id nrt
405	0809	TR	Zielona Góra	POL id wh03
408	0007	BRK	Bruck	AUT id nrt
409	2010	NCS	Nagy Cserkesz	HNG id nrt
409	0047	CZE	Czempin	POL id wh03
420	0810	ZV	Tuzla	BIH id+dash nrt
421	0105	BL	Falun-Borlänge	S id wh03
423	0200	FE	Odense-Beldringe	DNK id wh03
426	0145	MIQ	Mike-Ingolstadt	D id wh03
445	0812	TA	Tuzla?	BIH? id+dash (vy loud) nrt
485	0058	IA	Indija	YUG id+dash nr76
490	0108	KO	Koshany	UKR id nr76
490	0103	WAK	Vakarel	BUL id nr76
495	0112	PA	Pancevo	YUG id+dash nr76
516	0051	SD	Namest nad Oslavou?	TCH? id+dash (neg for XU?) nr76
517	0016	ARD	Arad	ROU id nr76
521	0120	BSW	Bucuresti/Baneasa	ROU id nr76
617	0131	SV	Stebliv	UKR id nr76

		F I X E D		
3195	2327		Ny Ustinov	RUS cw-channelmarker `R` ti25
3322	2330		Ny Ustinov	RUS cw-channelmarker `R` ti25
3338	0116		Ny St. Petersburg	RUS cw-channelmarker `L` ti25
3485	0120		Numbers X16 (MOSSAD)	? AM `KPA2` ti25
3845	2335		unid	? cw-msg 5lg ti25
4463	2235		Numbers X23 (MOSSAD)	ISR AM msg 5lg ti25
4560	2236		Numbers X24 (MOSSAD)	ISR AM msg 5lg ti25
4598	1818	FDI8	AF Nice	F cw-id vvv ti25
4617	1959		unid	? cw-msg 5lg, cyrilic ti25
4706	1742		unid	? cw-msg 5ng ti25
4878	2331		RUS Ny Tahkent	UZB cw-channelmarker `v` ti25
4890	1822		unid	? cw-msg 5lg cyrilic,slow hkeyi25
5091	1824		Numbers X29 (MOSSAD)	ISR AM msg 5lg ti25
5175	1826		Numbers E06 (CIA)	USA USB msg 5ng ti25
5158	1946		unid	? cw-msg 5lg, cyrilic ti25
5319,5	0137		unid	? cw-msg nr.48, 5lg ti25
5435	1944		Numbers X32 (MOSSAD)	ISR AM msg 85 5lg ti25



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5446,5	2325	FDC	AF Metz	F	cw-id vvv	ti25
5822	1946	FDG	AF Bordeaux	F	cw-id vvv	ti25
5925	1802		unid	?	cw-cont. 202, fast handkey	ti25
6782	1702		unid	?	cw-cont 749 749 749 000	ti25
6844,5	1826	FDC	AF Metz	F	cw-id vvv	ti25
6856,5	1720	FDG	AF Bordeaux	F	cw-id vvv	ti25
6875	1814	FDI22	AF Narbonne	F	cw-id vvv	ti25
6888,5	2128		unid	?	cw-msg 5lg	ti25
6959	2136		Numbers LP05 (MI6)	CYP	USB msg 5ng	ti25
6984	1049	SNN299	MFA Warszawa	POL	cw-id in F1A-mode: vvv	ti25
7325	1351		unid	?	cw-msg 5ng	ti25
7337	2131		Numbers LP06 (MI6)	G	USB msg 5ng	ti25
7433	1811	FDG	AF Bordeaux	F	cw-id vvv	ti25
7472,5	0839	FDC	AF Metz	F	cw-id vvv	ti25
7572,5	1820	FDC	AF Metz	F	cw-id vvv	ti25
7592,5	1818	FDI22	AF Narbonne	F	cw-id vvv	ti25
7668	2049	8BY	Intel St. Asisse	F	cw-vvv 311\467\449\839\023\	ti25
7820	2314	FDG	AF Bordeaux	F	cw-id vvv	ti25
7834,5	1053	FDC	AF Metz	F	cw-id vvv	ti25
7964	1557		unid	?	cw-msg 5lg, cyrilic	ti25
8067	2117		unid	?	cw-cont. 501 501 501, 0=T	ti25
8070	1838	FDI8	AF Nice	F	cw-id vvv	ti25
8085	1706		Numbers E28 (CIA)	USA	USB 575, count 168	ti25
8094,5	1823	FDC	AF Metz	F	cw-vvv	ti25
8125	1907		Numbers E29 (CIA)	USA	AM 123 count 88	ti25
8142	1825		unid	?	cw-msg 5lg, cyrilic	ti25
9070	1909		Numbers E32 (CIA)	USA	AM 108 count 198	ti25
9090	2203		Numbers E33 (CIA)	USA	AM 751	ti25
9219	2207		Numbers E34 (CIA)	USA	AM 575, count 168	ti25
9251	2104		Numbers LP09 (MI6)	CYP	USB clg 92587	ti25
9367	0916	FDI8	AF Nice	F	cw-is vvv	ti25
10046	0013	4XZ	Ny Haifa	ISR	cw-id VVV DE 4XZ 4XZ = =	ti25
10144	1409	DK0WCY	DARC Suederbrarup	D	cw-id DK0WCY BEACON + dash	ti25
10298	1620	FDY	AF Orleans	F	cw-id vvv	ti25
10314	0932	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti25
10355	1646	4XZ	Ny Haifa	ISR	cw-id VVV DE 4XZ 4XZ = =	ti25
10420	1413	FDI8	AF Nice	F	cw-id vvv	ti25
10423	1621		Numbers E37 (CIA)	USA	USB msg 5ng	ti25
10426	1605		Numbers LP10 (MI6)	CYP	USB 38111	ti25
10453	0806		unid	?	cw-msg 5lg	ti25
10470,5	1648	FDC	AF Metz	F	cw-id vvv	ti25
10527	2217		Numbers E38 (CIA)	USA	AM msg 5ng	ti25
10607	0840	FDI8	AF Nice	F	cw-id vvv	ti25
10648	1609		Numbers X55 (MOSSAD)	ISR	AM msg 5lg	ti25
10683	0807		unid	?	cw-msg 5lg	ti25
10910	1559		unid, I Army?	I?	USB wkg unid,svc-RTTY-coord	ti25
10996	2124	FDI8	AF Nice	F	cw-id vvv	ti25
11000	2139	RIW	RUS Ny Khiva	UZB	cw-wkg msg 5ng, 0=T	ti25
11072	1800		Numbers E45 (CIA)	USA	AM 347 count 141	ti25
11545	1421		Numbers LP11 (MI6)	CYP	USB msg 5ng	ti25
11565	1615		Numbers X58 (MOSSAD)	ISR	AM msg 5lg	ti25
12603	1706		Numbers LP13 (MI6)	CYP	USB clg 70218	ti25
13375	1711		Numbers LP14 (MI6)	CYP	USB msg 5ng	ti25
13528	1424		Ny Arkhangelsk	RUS	cw-channelmarker `s`	ti25
13533	1620		Numbers X62 (MOSSAD)	ISR	AM msg 5lg	ti25
13555	1407		Numbers E53 (CIA)	USA	AM 272, count 215	ti25
13560	1302	FDI8	AF Nice	F	cw-id vvv	ti25
14487	1426		Numbers LP15 (MI6)	CYP	USB msg 5ng	ti25
14648	1427	4XZ	Ny Haifa	ISR	cw-id VVV DE 4XZ 4XZ = =	ti25
14931	0953	8BY	Intel St Asisse	F	cw-id for 914\594\538\837	ti25
15682	1413		Numbers LP 15 (MI6)	CYP	USB msg 5ng	ti25
15732	1408		Numbers E58 (CIA)	USA	AM 272, count 215	ti25
16084	1431		Numbers LP17 (MI6)	CYP	USB msg 5ng	ti25
16198	1638		Numbers E62 (CIA)	USA	AM msg 5ng	ti25
16332	1034		Ny Arkhangelsk	RUS	cw-channelmarker `s`	ti25
18481	1451	4XZ	Ny Haifa	ISR	cw-id VVV DE 4XZ 4XZ = =	ti25
19011,5	1648	PCW1	MFA Den Haag	HOL	cw-sitor-id (??!!)	ti25
20425	1844		Numbers X71 (MOSSAD)	ISR	AM `CIO2`	ti25

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## M A R I T I M E

2391	2033	Dutch Ships	IW	USB smalltalk: loadings	ti25
2624	0147 IQX	Trieste Radio	I	USB wkg auto-wx	ti25
2643	0103 A9M	Bahrain Radio	BHR	cw-sitor-id: de A9M TLX	ti25
2656	0148 IPA	Ancona Radio	I	USB wkg auto-wx	ti25
2680	0105 4XZ	Ny Haifa	ISR	cw-id vvv de 4XZ 4XZ = =	ti25
2680	0150 IDC	Cagliari Radio	I	USB wkg auto-wx	ti25
2710	0151	unid	?	USB crypto-vox	ti25
2719	0152 IZN	Porto Torres Radio	I	USB wkg auto-wx	ti25
2789	0154 IDF	Messina Radio	I	USB wkg auto-wx	ti25
2800	2222 4XZ	Ny Haifa	ISR	cw-id vvv de 4XZ 4XZ = =	ti25
3108	2043	German ships	IW	USB smalltalk: jobs	ti25
3282	1903	German ships	IW	USB wkg smalltalk,timescedst	ti25
3355	2056	Dutch Ships	IW	USB smalltalk: pilotages	ti25
4154,3	1811 DREX	FGS Dillingen	IW	USB clg DHJ59, rdock, QRV	ti25
4227	2151 SXA33	Ny Spata Attikis	GRC	cw-id vvv vvv vvv de SXA33	ti25
4241	2258 LGW	Rogaland Radio	NOR	cw-cq cq cq de LGW LGZ LGB	ti25
4256	2155 A9M	Bahrain Radio	BHR	cw-sitor-clover-id	ti25
4262	2300 LFI	Rogaland Radio	NOR	cw-sitor-clover-id	ti25
4294	2201 SXA34	Ny Spata Attikis	GRC	cw-vvv vvv vvv de SXA34	ti25
4302	2204 A9M	Bahrain Radio	BHR	cw-cq de A9M A9M A9M	ti25
4314	2207 LZW	Varna Radio	BUL	cw-id de LZW26 LZW26	ti25
4320	2209 IAR	Roma Radio	I	cw-id vvv vvv vvv de IAR	ti25
4331	2218 4XZ	Ny Haifa	ISR	cw-id vvv de 4XZ 4XZ = =	ti25
4350	2222 TBB5	Ny Ankara	TUR	cw-vvv vvv vvv TBDJ TBDJ TB	ti25
6316	1840 UFN	Novorossiisk Radio	RUS	cw-sitor-id	ti25
6316	2302 NMN	USCG Chesapeake, VA	USA	cw-sitor-id	ti25
6321	2303 LZW	Varna Radio	BUL	cw-sitor-id	ti25
6324	2305 WCC	Chatham Radio, MA	USA	cw-sitor-clover-id: VCT\WCC	ti25
6329,5	2307 VCT	Tors Cove Radio	CAN	cw-sitor-clover-id	ti25
6330,5	2308 8PO	Barbados Radio	BRB	cw-sitor-clover-id	ti25
6379	1850 4XZ	Ny Haifa	ISR	cw-vvv de 4XZ 4XZ = =	ti25
6467	1852 LFI	Rogaland Radio	NOR	cw-sitor-clover-id	ti25
6779	1810 DHJ59	Ny Wilhelmshaven	D	USB wkg DREX, QSY MRL59-04	ti25
6880	2034 ICE	Ny Brindisi	I	USB wkg VL,opchat,routerep	ti25
8417	2317 GKE4	Portishead Radio	G	cw-sitor-id	ti25
8417,5	2201 XSV	Tianjing Radio	CHN	cw-sitor-id	ti25
8418	1910 IAR	Roma Radio	I	cw-sitor-id	ti25
8419	1911 VIP	Perth Radio	AUS	cw-sitor-clover-id	ti25
8419,5	2122 PPR	Rio de Janeiro Radio	B	cw-sitor-id	ti25
8420,5	0007 CBV	Playa Ancha Radio	CHL	cw-sitor-id	ti25
8420,5	2123 HEC	Bern Radio	SUI	cw-sitor-id	ti25
8421,5	2322 9AR	Rijeka Radio	HRV	cw-sitor-id	ti25
8423	2124 SVT	Athinai Radio	GRC	cw-sitor-id: de SVT -----	ti25
8425,5	2324 HEC	Bern Radio	SUI	cw-sitor-id	ti25
8426,5	2126 WCC	Chatham Radio, MA	USA	cw-sitor-clover-id: VCT\WCC	ti25
8427	2127 OXZ	Lynby Radio	DNK	cw-sitor-id	ti25
8428	2327 NMN	USCG Chesapeake, VA	USA	cw-sitor-id	ti25
8430	2129 UJE	Nizhnij-Novgorod Radio	RUS	cw-sitor-id	ti25
8431	2131 TAH	Istanbul Radio	TUR	cw-sitor-id	ti25
8431,5	1919 UAT	Moskva Radio	RUS	cw-sitor-id	ti25
8431,5	1920 ZSC	Capetown Radio	AFS	cw-sitor-clover-id	ti25
8433	0011 8PO	Barbados Radio	BRB	cw-sitor-clover-id	ti25
8433	1906 XSG	Shanghai Radio	BRB	cw-sitor-id	ti25
8434	1907 TAH	Istanbul Radio	TUR	cw-sitor-id	ti25
8434,5	1908 SAB	Goeteborg Radio	S	cw-sitor-clover-id	ti25
8435	2138 OST	Oostend Radio	BEL	cw-sitor-id	ti25
8435	2208 VCT	Tors Cove Radio	CAN	cw-sitor-clover-id	ti25
8437	2139 4XZ	Ny Haifa	ISR	cw-id vvv de 4XZ 4XZ = =	ti25
8450	2210 5AB	Benghazi Radio	LBY	cw-cq cq cq de 5AB 5AB 5AB	ti25
8489	2215 AQP	Ny Karachi	PAK	cw-vvv vvv vvv	ti25
8490	2141 AQP	Ny Karachi	PAK	cw-vvv vvv vvv de PAK2\4\5\6	ti25
8492	1731 9MG	Penang Radio	MLA	cw-sitor-clover-id	ti25
8497	1732 HLF	Seoul Radio	KOR	cw-sitor-clover-id	ti25
8506	2145 XSX	Keelung Radio	TWN	cw-cq cq cq de XSX XSX XSX	ti25
8541	1734 A9M	Bahrain Radio	BHR	cw-sitor-clover-id	ti25
8559,3	1925 GKB	Portishead Radio	G	cw-de GKB QSX 2 3	ti25

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8577	2148	HLO	Seoul Radio	KOR	cw-cq cq cq de HLO HLO HLO	ti25
8600	2149	XSV	Tianjing Radio	CHN	cw-de XSV PLS .	ti25
8610	2145	UCE5	Arkhangelsk Radio	RUS	cw-id de UCE5 K de UCE5 K	ti25
8624	2151	XSQ	Guangzhou Radio	CHN	cw-cq de XSQ XSQ XSQ	ti25
8662	1745	TAH	Istanbul Radio	TUR	cw-de TAH QSX 8 MHZ CH 3	ti25
8665	1747	XSG	Shanghai Radio	CHN	cw-cq cq de XSG XSG PLS UP	ti25
8682	2155	J2A	Djibouti Radio	DJI	cw-cq cq cq de J2A J2A J2A	ti25
8683,5	1749	LFI	Rogaland Radio	NOR	cw-sitor-clover-id	ti25
8686	2153	IRM	Roma Medico Radio	I	cw-id vvv vvv vvv IRM IRM	ti25
10722	1834	DRHH	FGS Oste	IW	USB wkg DHJ59, msgs, qsl	ti25
10722	2221	DRES	FGS Weiden	IW	USB wkg DHJ59,msg,qsl off!	ti25
12579,5	1622	9VG	Singapore Radio	SNG	cw-sitor-id	ti25
12580	1623	GKE5	Portishead Radio	G	cw-sitor-id	ti25
12581	2252	LSD	Buenos Aires Radio	ARG	cw-sitor-id	ti25
12582	1659	VIP	Perth Radio	AUS	cw-sitor-clover-id	ti25
12583,5	2253	CBV	Playa Ancha Zonal Radio	CHL	cw-sitor-id	ti25
12585	1700	NRV	USCG Agana	GUM	cw-sitor-id	ti25
12585,5	1703	VRX	Hongkong Radio	CHN	cw-sitor-id	ti25
12586,5	0931	WLO	Mobile Radio, AL	USA	cw-sitor-id	ti25
12587	1627	LZW	Varna Radio	BUL	cw-sitor-id	ti25
12588	1704	HEC	Bern Radio	SUI	cw-sitor-id	ti25
12589	1705	NMO	USCG Honolulu, HI	HWA	cw-sitor-id	ti25
12589,5	2300	WCC	Chatham Radio, MA	USA	cw-sitor-clover-id	ti25
12590	1629	9VG	Singapore Radio	SNG	cw-sitor-id	ti25
12592,5	2303	NMN	USCG Chesapeake, VA	USA	cw-sitor-id	ti25
12593	2304	ESA	Tallin Radio	EST	cw-sitor-id	ti25
12594,5	1630	A9M	Bahrain Radio	BHR	cw-sitor-id: de A9M TLX	ti25
12597,5	2305	UFN	Novorossiisk Radio	RUS	cw-sitor-id	ti25
12598	2307	WCC	Chatham Radio, MA	USA	cw-sitor-clover-id	ti25
12598	2308	SPA	Gdynia Radio	POL	cw-sitor-id	ti25
12601	1928	ZSC	Capetown Radio	AFS	cw-sitor-clover-id	ti25
12601,5	2311	OXZ	Lyngby Radio	DNK	cw-sitor-id	ti25
12602,5	2312	IAR	Roma Radio	I	cw-sitor-id	ti25
12603,5	2313	SVS	Athinai Radio	GRC	cw-sitor-id: de SVS -----	ti25
12607,5	2314	WNU	Slidell Radio, LA	USA	cw-sitor-clover-id	ti25
12610,5	1931	VCT	Tors Cove Radio	CAN	cw-sitor-clover-id	ti25
12613	1707	XSQ	Guangzhou Radio	CHN	cw-sitor-id	ti25
12615,5	2318	8PO	Barbados Radio	BRB	cw-sitor-clover-id	ti25
12616	2320	LZW	Varna Radio	BUL	cw-sitor-id	ti25
12629	1709	KHF	Guam Radio	GUM	cw-sitor-clover-id	ti25
12634,5	2324	TAH	Istanbul Radio	TUR	cw-sitor-id	ti25
12637,5	1935	XSG	Shanghai Radio	CHN	cw-sitor-id	ti25
12660	1653	LFI	Rogaland Radio	NOR	cw-sitor-clover-id	ti25
12673,5	2331	A9M	Bahrain Radio	BHR	cw-sitor-clover-id	ti25
12678	1658	LFI	Rogaland Radio	NOR	cw-sitor-clover-id	ti25
12680,4	2334	8PO	Barbados Radio	BRB	cw-sitor-clover-id	ti25
12727,5	0937	LGW	Rogaland Radio	NOR	cw-cq cq cq de LGW LGB LGX	ti25
12735	0938	URL	Sevastopol Radio	UKR	cw-id cq cq cq	ti25
12756,5	2339	A9M	Bahrain Radio	BHR	cw-sitor-clover-id	ti25
12771	0940	7TF	Boufarik Radio	ALG	cw-cq de 7TF QSX	ti25
12842.8	2344	HLO	Seoul Radio	KOR	cw-cq cq cq de HLO HLO HLO	ti25
12856	2345	XSG	Shanghai Radio	CHN	cw-cq cq de XSG XSG PLS UP	ti25
12943,5	2347	9MG	Penang Radio	MLA	cw-sitor-clover-id	ti25
12970,5	2349	PKX	Jakarta Radio	INS	cw-cq cq cq de PKX PKX PKX	ti25
13010	2351	AQP	Ny Karachi	PAK	cw-id vvv vvv vvv AQP AQP	ti25
13015,5	0945	IAR	Roma Radio	I	cw-vvv	ti25
13022	0946	CLA	Habana Radio	CUB	cw-cq cq de CLA CLA .	ti25
13072,4	2355	KFS	Palo Alto Radio, CA	USA	cw-sitor-clover-id	ti25
16807,5	1002	GKE6	Portishead Radio	G	cw-sitor-id	ti25
16808	1003	SPA	Gdynia Radio	POL	cw-sitor-id	ti25
16814,5	1005	HEC	Bern Radio	SUI	cw-sitor-id	ti25
16819,5	1007	NMN	USCG Chesapeake, VA	USA	cw-sitor-id	ti25
16820	1006	IAR	Roma Radio	I	cw-sitor-id	ti25
16868	1009	9VG	Singapore Radio	SNG	cw-sitor-id	ti25
16914,5	1011	SPB	Szczecin Radio	POL	cw-sitor-id	ti25
19685,5	1029	WLO	Mobile Radio, AL	USA	cw-sitor-id	ti25
19708	1031	SAB	Goeteborg Radio	S	cw-sitor-clover-id	ti25
19726	1433	A9M	Bahrain Radio	BHR	cw-sitor-clover-id	ti25

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22377	1037	GKE7	Portsihead Radio	POL	cw-sitor-id	ti25
22389,5	1449	NMN	USCG Chesapeake, VA	USA	cw-sitor-id	ti25
22389,5	1850	NMO	USCG Honolulu	HWA	cw-sitor-id	ti25
22425	1454	KHF	Guam Radio	GUM	cw-sitor-clover-id	ti25
22459	1455	A9M	Bahrain Radio	BHR	cw-sitor-clover-id	ti25
22465	1457	9MG	Penang Radio	MLA	cw-sitor-clover-id	ti25
22575,5	1501	PKX	Jakarta Radio	INS	cw-id cq cq cq de PKX PKX	Pti25

## A E R O (Ground - stations)

2941	2038		St. Petersburg Volmet	RUS	usb,wx for Arkhangelsk ....	ti25
4675	0607		Aero Gander	CAN	usb,wkg 0107, posrep, selcati	ti25
5450	2255	MVU	RAF Upavon Volmet	G	usb,wx for Rimini, Rome .	ti25
5505	1830		Shannon Volmet	IRL	usb,id, wx for Frankfurt,	ti25
6617	1856		Kiev Volmet	UKR	usb,ending, off	ti25
6617	1856		Rostov Volmet	RUS	usb,id, wx for Rostov	ti25
6676	2022		Singapore Volmet	SNG	usb,wx-data, vy weak	ti25
6730	2345		Almaty Volmet	KAZ	usb,id, wx-data	ti25
8888	0009		Jekaterinburg volmet	RUS	usb,wkg wx-data Irkutsk	ti25
10315	1417	DHN66	NATO Geilenkirchen	D	usb,wkg MAGIC-53, wx	ti25
11175	0022		USAF Incirlic	TUR	usb,wkg EAM for WCEYYY	ti25
11175	0024		USAF Thule	GRL	usb,rpt EAM for WCEYYY	ti25
11175	1628		USAF Andrews, MD	USA	usb,EAM for WCBOKN	ti25
11253	1652	MVU	RAF Upavon Volmet	G	usb,ending, off	ti25
11297	1654		Kiev Volmet	UKR	usb,wx-data, off	ti25
11297	1656		Rostov Volmet	RUS	usb,id, wx for Krasnodar	ti25
11300	2057		Sanaa Aero	YEM	ctc Addis	nr76
17480	1418		USAF Ramstein	D	usb,wkg REACH-403, posrep	ti25

## A E R O (aircraft)

11247	1420	JGN03	RNoAF Flight	AIR	usb,wkg Architect, pos-rep	ti25
17480	1419	403	REACH-Flight USAF	AIR	usb,clg Croughton for pp toti	ti25

## D I G I T A L

QRG 518 kHz, QTH Solothurn, Swiss (rbCH)  
UTC NavArea ID Station

0000	2	A	Cross Corsen
0027	3	N	Alexradio
0030	3	D	Istanbul Turk Radio
0030	1	D	Stockholm Radio
0049	1	P	Netherlands Coastguard
0100	2	G	Tarifa Radio
0107	9	H	Jeddah Radio
0108		B	Unid Mariupol?
0110	3	H	Irakleio Radio
0114	1	J	Gislovshammer
0123	3	L	Limnos Radio (Distress Msg)
0129	3	J	Varna Radio
0140	1	K	Nitonradio
0140	2	K	Kerkyra Radio
0143	1	L	Rogaland Radio
0151	3	L	Limnos Radio
0200	1	M	Oostenderadio
0201	1	C	Murmansk? Unid
0205		M	Cyprus, Unid
0208	1	N	Unid, Area 1, who has N?
0218	1	S	Nitonradio
0220	3	O	Maltaradio
0233	3	C	Odessa Radio
0233	3	F	Antalya
0240	3	Q	Splitradio
0253	2	R	Monsantoradio
0321	1	U	Tallin Radio
0328	1	G	Cullercoatsradio
0334	3	H	Irakleio Radio
0341	1	W	Valentia Cg Radio
0350	3	X	Cabo de la Nao
0354	1	G	Cullercoatsradio

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0415 2 R Monsantoradio  
 1710 3 W Cross la Garde  
 1815 2 B Cross Corsen  
 1859 2 R Monsantoradio  
 1910 1 T Oostenderadio  
 1941 1 Q Malin Head Radio  
 2119 3 I Izmir Turk Radio  
 2220 1 O Portpatrick  
 2236 3 ? Odessa Radio  
 2310 1 T Oostenderadio  
 2323 1 U Tallin Radio  
 2350 9 X Serapeum Radio

RX is Rohde and Schwarz EK 890, a NF-Filter by Gierking with a PC and HamComm 3.1 as Decoder. Loop-Antennas (Diamond-Form).

68,9	0142		unid	?	RTTY 75 online encrypted	ti25
510,5	2324		unid	?	RTTY 100 online encrypted	ti25
518	2018	SDJ	Stockholm Radio	S	Sitor-B danish nav-wngs	ti25
518	2048	LGB	Rogaland Radio	NOR	Sitor-B NOR nav-wngs	ti25
518	2120	SPA	Gdynia Radio	POL	Sitor-B nav-wngs	ti25
518	2140	GCC	Cullercoats Radio	G	Sitor-B gale-warning	ti25
518	2200		CROSS Corsen	F	Sitor-B nav-wngs	ti25
518	2205	PBK	CG Ijmuiden	HOL	Sitor-B nav-wng	ti25
518	2210	OST	Oostend Radio	B	Sitor-B wkg nav-wngs	ti25
520	0146		unid	?	RTTY 100 online encrypted	ti25
521,5	2344		unid	?	RTTY 150 online encrypted	ti25
524	0418		unid	?	RTTY 75 online encrypted	ti25
1915	2128		CG Cuxhaven	D	Sitor-A wx to unid	ti25
2203	2124	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
2430	0143		unid, NATO?	?	RTTY 75 online encrypted	ti25
2461,5	0059	OA	Army Dublin	IRL	Sitor-A wx-report, opchat	ti25
2463	0145	IDR	Ny Roma	I	RTTY 75 CARB	ti25
2474	2202	PBC	Ny Noordwijk	HOL	RTTY 75 CARB	ti25
2608,5	2205	FUO	Ny Toulon	F	RTTY 75 TESTING, RY-SG	ti25
2721,5	2210		unid	?	RTTY 50 msgs 5ng + 5lg	ti25
2768	0153		unid, NATO?	?	RTTY 75 online encrypted	ti25
2789	2136	FUE	Ny Brest	F	RTTY 75 TESTING, RY-SG	ti25
2806	2137	IGJ	Ny Augusta	I	RTTY 100 CARB	ti25
2815	2224	IDR	Ny Roma	I	RTTY 75 CARB	ti25
2840,7	0904		CG Cuxhaven	D	Sitor-A wkg DBIG (BG23)	ti25
2845	2231	PBB	Ny Den Helder	HOL	RTTY 75 CARB	ti25
2876	0156		unid	?	RTTY 75 onine encrypted	ti25
3029,7	0858		CG Cuxhaven	D	Sitor-A daily reports	ti25
3172,5	2142	IMB31	Meteo Roma	I	RTTY 50 AAXX-reports	ti25
3390	2333	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
3764,4	1907	PBB	Ny Den Helder	HOL	RTTY 75 CARB	ti25
3861	2336		unid	?	ARQ-E 72 idle	ti25
4001,5	2137		unid	?	RTTY 110 encrypted data,	ti25
4050	2125	FDI8	AF Nice	F	RTTY 50 VOYEZ LE BRICK ...	ti25
4153,9	2141		unid	?	RTTY 75 encrypted ITA2	ti25
4212,5	2254	LZW	Varna Radio	BUL	Sitor-B idle, tfc-list	ti25
4214	2156	IDR	Ny Roma	I	RTTY 75 CARB	ti25
4220,9	1916	GYU	RNY Gibraltar	GIB	RTTY 75 CARB	ti25
4227	2257	IGJ	Ny Augusta	I	RTTY 100 CARB	ti25
4232	3302	FUF	FNy Fort de France	MRT	RTTY 75 TESTING, RY-SG	ti25
4280	2303	PBC	Ny Noordwijk	HOL	RTTY 75 CARB	ti25
4288,5	2159		unid	?	RTTY 100 online encr.ITA2	ti25
4295	2304	FUE	Ny Brest	F	RTTY 75 TESTING, RY-SG	ti25
4297	2203		unid	?	RTTY 75 online encr. ITA2	ti25
4322,1	2305	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
4325	2217		unid	?	RTTY 75 online encrypted	ti25
4355,5	2308	61KOS	unid	?	RTTY 100 jumping fox, RY	ti25
4503	2226		unid	?	RTTY 50 msg 5ng	ti25
4570	2312	HZN46	Meteo Jeddah	ARS	RTTY 100 AAXX	ti25
4583	2314	DDK2	Meteo Hamburg Seewetteramt	D	RTTY 50 id, CQ, RY	ti25
4914,4	2318		unid	?	RTTY 50 msg 5lg	ti25
4944	0732		unid	?	ARQ-E 86 idle	ti25
4962	1745	SNN299	MFA Warszawa	POL	POL-ARQ idle	ti25

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5097	0611	CFH	Ny Halifax	CAN	RTTY 75 NAWS, ZKR-tape	ti25
5148	1922		unid	?	ARQ-E 72 idle	ti25
5257,5	0133	FDI22	AF Narbonne	F	RTTY 50 VOYEZ LE BRICK	ti25
5287	0135		unid	?	RTTY 75 online encrypted	ti25
5310	1750		unid,CZE Border Police?	?	RTTY 50 PRIN KAK PON TLG	ti25
5326	1925		unid	?	ARQ-E 72 idle	ti25
5367,5	1753	FDI22	AF Narbonne	F	RTTY 50 VOYEZ LE BRICK	ti25
5377	2323		unid	?	ARQ-E 72 idle	ti25
5400	1952	YOG37	Meteo Bucuresti	ROU	RTTY 50 AAXX	ti25
5421	1755		unid	?	FEC-A 96 idle	ti25
5437	2251	FDI8	AF Nice	F	RTTY 50 VOYEZ LE BRICK ...	ti25
5851	1758		unid	?	RTTY 75 online encrypted	ti25
5881,8	1759		unid, Met Roma mistune	?	RTTY 50 AAXX-reports	ti25
6234,6	2329	62WIO	unid	?	RTTY 100 clg 67YTR for test	ti25
6304,5	1957		unid	?	Sitor-A simplex net	ti25
6316	1949	UFN	Novorossiisk Radio	RUS	Sitor-A wkg UDEX, ship-tlx	ti25
6321	2332	LZW	Varna Radio	BUL	Sitor-B BUL-press	ti25
6338	2003		unid	?	RTTY 100 encrypted	ti25
6348	2334	FUE	Ny Brest	F	RTTY 150 TESTING, RY-SG	ti25
6358,5	0625	PBC	Ny Noordwijk	HOL	RTTY 75 CARB	ti25
6362,1	2336	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
6370,9	2018	GYU	RNY Gibraltar	GIB	RTTY 75 CARB	ti25
6385	2337	FUO	Ny Toulon	F	RTTY 75 TESTING, RY-SG	ti25
6389	2338	CTP	NATO Oeiras	POR	RTTY 75 NAWS, QSX	ti25
6458	2029		unid	?	RTTY 100 encrypted	ti25
6463,5	2015	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
6483	2031	PBB	Ny Den Helder	HOL	RTTY 75 CARB	ti25
6496,4	2342	CFH	Ny Halifax	CAN	RTTY 75 wkg METAR-reports	ti25
6507	2019		unid, TUR Ny?	?	RTTY 50 msg 4ng	ti25
6832	1523		unid	?	ARQ-E 72 idle	ti25
6862,7	2028	RFFVAEA	FF Dhahran	ARS	ARQ-E3 200 idle	ti25
6872	1644		unid	?	RTTY 50 encrypted ITA2	ti25
6885	2100		unid	?	RTTY 75 msg 5lg	ti25
6924,7	1816		unid, EGY diplo?	?	Sitor-A idle	ti25
6929	1829		unid	?	ARQ-E 184,6 idle	ti25
6976	1350		unid POL diplo	?	POL-ARQ idle	ti25
6980	0740		unid	?	ARQ-E 72 idle	ti25
6982	2144	RFFXL	FF Beirut	LBN	ARQ-E184,6 msg non protege	ti25
7319	0042	SUU	Meteo Cairo	EGY	RTTY 100 AAXX-reports	ti25
7447,5	1731		unid	?	RTTY 75 online encr. ITA2	ti25
7456,7	2132	RFTJ	FF Dakar	SEN	ARQ-E3 192 idle	ti25
7460	1732		unid	?	RTTY 100 encrypted ITA2	ti25
7484	1352	SNN299	MFA Warszawa	POL	POL-ARQ CLARIS NR 108 ...	ti25
7625	0045	HZN47	Meteo Jeddah	ARS	RTTY 100 BBXX-reports	ti25
7646	1832	DDH7	Meteo Hamburg Seewetteramt	D	RTTY 50 AAXX	ti25
7677	1834	HBD20	MFA Bern	SUI	Sitor-A wkg unid, msg 5lg	ti25
7678,5	1835		unid SUI diplo	?	Sitor-A msg 5lg	ti25
7746,7	1654		EGY Emg Roma	I	Sitor-A arab text	ti25
7803	1820		unid	?	ARQ-E 72 idle	ti25
7803,5	1750		unid	?	RTTY 50 online encr. ITA2	ti25
7829	1052		unid	?	FEC-A 192 online encrypted	ti25
7831,5	2040	5ST	Antananarivo Aero AFTN	MDG	ARQ-E3 48 idle	ti25
7845,1	1752		unid	?	RTTY 100 ITA2 encrypted	ti25
7935	0745		unid	?	RTTY 75 online encrypted	ti25
7967,5	0915		unid	?	RTTY 100 encr. simplex net	ti25
7972,5	1657		unid	?	ARQ-E 72 idle	ti25
8050,2	2043	RFQP	FF Djibouti	DJI	ARQ-M2 200 idle	ti25
8063,2	2044	RFFA	FF paris MOD	F	ARQ-M2 200 idle	ti25
8105	1755	RFFX	FF Versailles	F	ARQ-E 184 idle	ti25
8108,2	2046	RFQP	FF Djibouti	DJI	ARQ-M2 200 idle	ti25
8151	1712	IGJ	Ny Augusta	I	RTTY 100 CARB	ti25
8298	2048	RBSL	Ny Mumbay	IND	RTTY 50 id RY-SG	ti25
8390	1757		unid	?	RTTY 100 encrypted ITA2	ti25
8397	1715	UCMS	unid vessel	IW	Sitor-A wkg unid coast-sta	ti25
8424	2059	SVA	Athinai Radio	GRC	Sitor-B idle, id, CQ press	ti25
8427	1641	OXZ	Lyngby Radio	DNK	Sitor-B DNK-press	ti25
8430	1759	UJE	Nizhnij-Novgorod Radio	RUS	Sitor-A wkg UIMM	ti25
8432,5	1851	UFN	Novorossiisk Radio	RUS	Sitor-A EE-telex to unid	ti25

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8439	0719	PBC	Ny Noordwijk	HOL	RTTY 75 CARB	ti25
8453	0721	RFFME	Ny Paris	F	RTTY 75 TESTING, RY-SG	ti25
8465	2051		unid	?	RTTY 100 encrypted ITA2	ti25
8478,5	0722	FUF	FNy Fort de France	MRT	RTTY 75 TESTING, RY-SG	ti25
8568	2056	FUV	FNy Djibouti	DJI	RTTY 75 TESTING, RY-SG	ti25
8632,5	2147		unid	?	RTTY 150 encrypted	ti25
8642,1	1935	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
9041	1942	5YE	Meteo Nairobi	KEN	RTTY 100 AAXX-reports	ti25
9130	2102	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
9253	2227		unid	?	ARQ-E 72 idle	ti25
9337	1530		unid	?	ARQ-E 72 idle	ti25
10100,8	0848	DDK9	Meteo Hamburg Seewetteramt	D	RTTY 50 id, CQ, RY	ti25
10103,7	1625	RFFA	FF Paris MOD	F	ARQ-E3 192 idle	ti25
10157,7	1659		unid	?	ARQ-E3 100 idle	ti25
10177,7	2130	RFFA	FF Paris MOD	F	ARQ-E3 192 idle	ti25
10215	1701	HZN48	Meteo Jeddah	ARS	RTTY 100 AAXX-reports	ti25
10281,3	2154	RFLIG	FF Cayenne	GUF	ARQ-E3 192 idle	ti25
10314	0930	SNN299	MFA Warszawa	POL	POL-ARQ id, opchat, idle	ti25
10393,7	2111		unid FF	?	ARQ-E3 200 idle	ti25
10400,8	1617		unid HNG diplo	?	DUP-ARQ msg 5lg	ti25
10411,7	1619		unid EGY diplo	?	Sitor-A arab text	ti25
10467,7	2112	RFPTC	FF Ndjamena	TCD	ARQ-E3 200 idle	ti25
10493,7	2158	RFTJF	FF Port Bouet	CTI	ARQ-E3 48 idle	ti25
10576,5	1623		unid	?	RTTY 75 online encr. ITA2	ti25
10626	1522	RFFXL	FF Naqura	LBN	ARQ-E 184 idle	ti25
10767	1503	RGA	MFA Moskva	RUS	RTTY 75 msg 5lg	ti25
10827	1643		unid	?	RTTY 75 online encr. ITA2	ti25
10873,7	2201	RFVI	FF Le Port	REU	ARQ-E3 100 idle	ti25
10917,7	2203	RFTJ	FF Dakar	SEN	ARQ-E3 48 idle	ti25
10945	2116	CFH	Ny Halifax	CAN	RTTY 75 NAW5, ZKR-tape	ti25
10952	1612	HBD20	MFA Bern	SUI	Sitor-A msg 5lg to unid	ti25
10963	1726		unid SUI diplo	?	Sitor-A idle	ti25
10969	1234	HBD20	MFA Bern	SUI	Sitor-A msg 5lg to sofia	ti25
10969	1708		unid SUI diplo	?	Sitor-A msg 5lg to Bern	ti25
10971	1613	HBD55	SUI Emb Madrid	E	Sitor-A msg 5lg to Bern	ti25
10973	0935		unid SUI diplo	?	Sitor-A msg 5lg	ti25
10973	1141	HBD20	MFA Bern	SUI	Sitor-A msg 5lg to unid	ti25
10982	2236		unid	?	RTTY 100 online encrypted	ti25
10991,7	2239	RFFVAY	FF Sarajevo	BIH	ARQ-M2 200 idle	ti25
11026,7	1632		unid EGY diplo	?	Sitor-A arab text	ti25
11034,7	1633		MFA Cairo	EGY	Sitor-A arab-text	ti25
11039	2117	DDH9	Meteo Hamburg Seewetteramt	D	RTTY 50 wx-rprt, forec.	ti25
11055	1507		unid F diplo	?	FEC-A 192 msg 5lg, off	ti25
11080	1711	YKP28	SANA Damascus	SYR	RTTY 50 FF-nx	ti25
11085	1615	P6Z	MFA Paris	F	FEC-A 192 idle	ti25
11110,5	2205	RFLI	FF Fort de France	MRT	ARQ-E3 192 idle	ti25
11125	1728	HZN49	Meteo Jeddah	ARS	RTTY 100 AAXX-reports	ti25
11406,7	1741		unid EGY diplo	?	Sitor-A arab text	ti25
11415,2	1152	RFFA	FF Paris MOD	F	ARQ-M2 200 idle	ti25
11453	1628	IMB33	Meteo Roma	I	RTTY 50 AAXX	ti25
11460	1624		unid, tent RUS diplo	?	RTTY 75 msg 5lg	ti25
11518,2	1620	RFFA	FF Paris MOD	F	ARQ-M2 200 idle	ti25
12090,1	2142	RFTJ	FF Dakar	SEN	ARQ-E3 192 idle	ti25
12098	2249		unid	?	RTTY 75 online encrypted	ti25
12202	1107	DFZG	MFA Beograd	SER	RTTY 75 offline encrypted	ti25
12228,2	1655		unid FF	?	ARQ-E3 200 idle	ti25
12590,5	0749	UJE	Nizhnij-Novgorod Radio	RUS	Sitor-A wkg UEBF	ti25
12624	1638	SAB	Goeteborg Radio	S	Sitor-B tfc-list, id, off	ti25
12635,5	1634	LZW	Varna Radio	BUL	Sitor-B press	ti25
12666,5	1655	RFFME	Ny Paris	F	RTTY 150 testing, RY-SG	ti25
12668,5	1657		unid	?	RTTY 99,7 encrypted ITA2	ti25
12921,1	0807	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
13022	0808	SPE	Szczecin Radio	POL	Sitor-B wkg polish press	ti25
13444,2	1820	RFQP	FF Djibouti	DJI	ARQ-E3 100 idle	ti25
13450	1434		unid, RUS diplo?	?	RTTY 75 msg 5lg	ti25
13479,7	1719	RFFA	FF Paris MOD	F	ARQ-M2 200 idle	ti25
13551,5	1435	P6Z	MFA Paris	F	FEC-A 192 idle	ti25
13572,5	0816	RFFX	FF Versailles	F	ARQ-E 184 idle	ti25

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13593,7	1823	RFFA	FF Paris MOD	F	ARQ-E3 192 idle	ti25
13846,7	1613	RFVI	RR Le Port	REU	ARQ-E3 100 idle	ti25
13852	0925	AND6	POL Emb Madrid	E	POL-ARQ idle	ti25
13953	1248	P6Z	MFA Paris	F	FEC-A 192 msg 5lg to U3H	ti25
13954,4	1251		unid SUI diplo	?	Sitor-A msg 5lg to unid	ti25
13956,5	1616	4EZ	MFA Tunis	TUN	Sitor-B idle, qsl to CUH	ti25
13961,5	0940	HBD20	MFA Bern	SUI	Sitor-A msg 5lg to Moskva	ti25
13961,5	1733		unid SUI diplo	?	Sitor-A msg 5lg to Bern	ti25
13977	1519		unid SUI diplo	?	Sitor-A msg 5lg	ti25
13986,7	1521	RFLI	FF Fort de France	F	ARQ-E3 192 idle	ti25
14442	1220		unid	?	RTTY 75 encrypted ITA2	ti25
14475	0823	KUL	MFA Moskva	RUS	RTTY 75 msg 5lg	ti25
14542	0825	O9B	F Emb Cairo	EGY	FEC-A 192 idle	ti25
14575	1425	P6Z	MFA Paris	F	FEC-A 192 msg 5lg to unid	ti25
14626,7	0829	RFLI	FF Fort de France	MRT	ARQ-E3 192 idle	ti25
14654,5	1500	SPW	Warszawa Radio	POL	Sitor-B idle,id,CQ,tfc-list	ti25
14669	1427		unid	?	ARQ-E 184 idle	ti25
14737	1225		unid	?	RTTY 75 online encr. ITA2	ti25
14801,8	1629	RFVI	FF Le Port	REU	ARQ-E3 100 idle	ti25
14927,6	1231	RFFA	FF Paris MOD	F	ARQ-E3 192 msg from RFFBBC	ti25
14975	1201	P6Z	MFA Paris	F	FEC-A 192 msg 5lg,to U3H	ti25
15782	1654		unid	?	RTTY 100 msg 5lg, no id	ti25
15920	0023	CFH	Ny Halifax	CAN	RTTY 75 NAWS, ZKR-tape	ti25
16310,2	1433	RFFA	FF Paris MOD	F	ARQ-E3 200 idle	ti25
16829	1244	USU	Mariupol Radio	UKR	Sitor-A wkg USCY	ti25
16839,5	1247	UFN	Novorossiisk Radio	RUS	Sitor-A wkg UFJR, tfc ends	ti25
16879	1250	LZW	Varna Radio	BUL	Sitor-B tfc-list	ti25
17422,7	1833		unid FF	?	ARQ-E3 200 idle	ti25
17431,7	0859		unid EGY diplo	?	Sitor-A idle, off	ti25
17451,7	1507		unid EGY diplo	?	Sitor-A svc-tfc,to arabtex	ti25
17506,7	1815		unid EGY diplo	?	Sitor-A opchat,svc in arab	ti25
17519	1413		unid, RUS diplo?	?	RTTY 75 msg 5lg	ti25
17550,9	1443	RFTJ	FF Dakar	SEN	ARQ-E3 192 idle	ti25
18254	0902	SUU	Meteo Cairo	EGY	RTTY 100 id, RYRYRYRY	ti25
18308,5	1449	P6Z	MFA Paris	F	FEC-A 192 idle	ti25
18503,7	1452	RFFA	FF Paris MOD	F	ARQ-E3 192 idle	ti25
18757	1455		unid F diplo	?	FEC-A 192 idle	ti25
19048,7	1457	RFFA	FF Paris MOD	F	ARQ-E3 192 idle	ti25
19385,2	1500		unid FF	?	ARQ-M2 200 idle	ti25
19862	1503	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
20336,5	1122		unid	?	RTTY 100 online encrypted	ti25
20805,2	1847	RFQP	FF Djibouti	DJI	ARQ-M2 200 idle	ti25
22537	1853	FUF	FNy Fort de France	MRT	RTTY 75 TESTING, RY-SG	ti25
26241,7	1132		unid FF	?	ARQ-E3 100 idle	ti25

T I M E S I G N A L

4996	1939	RWM	TS Moskva	RUS	cw-id, VVV, into timesynch	ti25
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Q S L - R E V I E W

ITU Station	days	rvcd/gvn	QRG	Call	Power	name
AIR-Balloon	5	ppc/ms,fo	122,25MHz	D-OLEF		dp47
AIR-Lufthansa ABYX	11	ppc,sti,ms back	10069	D-ABYX		dp47
ARG-Buenos Aires Naval	162	ppc,lt,i,HAM-QSL f/up	8447	L2C		dp47
ARG-Ny Puerto Belgrano	93	ppc/IRC,fo f/up	11070	LOR	5000 w	dp47
AUT-NDB Graz	30	f/d cd via Vienna	290	`GRZ`		lrG
BEL-NDB Antwerpen	9	ppc,sti/sae,irc	309	`WW`		lrG
BEL-NDB Antwerpen	9	ppc,sti/sae,irc	335	`ONW`		lrG
BEL-NDB Brasschaat	19	p/d lt	365,5	`BC`		lrG
BEL-NDB Charleroi	10	f/d lt,tourist-i	323	`ONC`	100 w	lrG
BEL-NDB Mackel	19	f/d lt,chart	360,5	`MAK`	100 w	lrG
CHL-Valparaiso R.	25	nice QSL-cd	22380,5	CBV	1000 w	dp47
D -DLOSWA via DWD	45	certificate/2 irc	147,3	DDH47	15 kw	zeTC
D -LDOC Aeroloyd Frankf.	17	ppc,sti,pins,vc's	10030	Aeroloyd F`furt		dp47
D -LDOC Hapag-Lloyd Hannover	19	ppc,vc's,sti/ms	10069	Hannover Ops	1200 w	dp47
D -MFG3 Nordholz	28	ppc f/up/ms,fo	3939	DHJ79	1000 w	dp47
D -NDB Mike	9	f/d cd	426,5	`MIQ`		lrG



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D	-NDB Tegel west	8	f/d lt/sase	392	`RW`		lrG
D	-NDB Erfurt	19	p/d lt	425	`ERT`		lrG
D	-NDB Bottrop	26	f/d lt	406,5	`BOT`		lrG
D	-NDB Schwerin-Parchim	3	ppc/ms	316	`PAH`	100 w	hb31
DJI	-Djibouti R.	23	ppc/IRC, fo	8682	J2A8		dp47
DNK	-NDB Fauna	11	f/d lt PPC	334	`FAU`	20 w	wh03
E	-NDB Alicante	16	n/d lt	330	`AI`		lrG
E	-NDB Santiago	9	p/d lt/ms f/up	390	`SO`		lrG
E	-NDB Sevilla	12	f/d lt/ms f/up	420	`SPP`		lrG
E	-NDB Sabadell	18	f/d lt/ms f/up	367	`SBD`		lrG
EST	-NDB Kuressaare	16	f/d lt f/up	363	`MA`	300 w	lrG
EST	-NDB Tallinn	36	f/d lt	386	`LK`		lrG
F	-CROSS Etel	22	ppc,lt,i/IRC, fo	2182		750 w	dp47
F	-CROSS Etel	20	f/d lt,sti f/up	2182			lrG
F	-CROSS Jobourg	13	ppc,info,st/ms	1650			hb31
F	-NDB Montlucon	7	f/d lt f/up	398	`LPD`		lrG
F	-NDB La Roche	7	lt f/up	334	`YN`		lrG
F	-NDB Clermont-Ferrand	15	cd f/up	367	`CF`		lrG
F	-NDB Moulins	29	ppc/sae	324	`MOU`		lrG
F	-NDB Pointe de Ver	17	ppc/sae f/up	310	`ER`		lrG
F	-NDB Cherbourg	17	ppc/sae f/up	302	`RB`		lrG
F	-NDB Pointe de Combrit	17	ppc/sae f/up	288,5	`CT`		lrG
F	-NDB Bordeaux-Merignac	12	ppc/sase f/up	?	`BD`		lrG
G	-NDB Whitegate	4	ppc/sae	368,5	`WHI`		lrG
G	-Niton R.	382	cd	518	GNI		zeTC
G	-RNAS Culdrose	17	ppc,lt,mny i,souvenir	5696	Culdrose Ops		dp47
G	-RNAS Yeovilton	19	ppc,i/IRC, fo	8977	Yeovil Ops		dp47
GRL	-NDB Prins Christian Sund	72	p/d lt,magazine	372	`OZN`		lrG
HOL	-NDB Amsterdam	7	ppc/sase f/up	376	`WP`		lrG
HOL	-NDB Rotterdam	9	f/d lt	350,5	`ROT`	25 w	lrG
HRV	-Rijeka R.	22	ppc, QSL-cd,i/IRC, fo	16942,5	9AR	6000 w	dp47
I	-MRSC Ravenna	600	ppc/IRC, fo	6815	ICI08	150 w	dp47
IRL	-LDOC Transaer Dublin	7	f/d lt,pc,sti f/up	8924			lrG
IRL	-TransAer Dublin	5	ppc,lt,vc/IRC, fo	8924			dp47
IW	-GNys FW5	96	ppc/ms/fo	3116	DRLC		dp47
IW	-GNys Homburg	15	ppc,ribbon/ms, fo	5680	DRFB		dp47
IW	-GNys Walchensee	74	ppc/ms, fo	3116	DRKI		dp47
IW	-GNys Zander	43	ppc/ms, fo	3116	DRIQ		dp47
IW	-GNys Flunder	11	ppc,lt,badge/ms, fo	3116	DRIE		dp47
IW	-MV Norse Tide	126	ppc,techn.-i/IRC, fo	2182	MGWF5	125 w	dp47
J	-Hamashima Fish. R.	56	ppc/IRC, fo	16977	JFH	2000 w	dp47
J	-Kagoshima Fish. R.	21	ppc/IRC, fo f/up	12704,5	JFX	2000 w	dp47
J	-Misaki Fishery R.	12	ppc,lt, stn-list/IRC	12832,5	JFC	1000 w	dp47
J	-Muroto Fishery R.	55	ppc/IRC, fo	12811,5	JFM	2000 w	dp47
J	-Shizuoka Fish. Radio	14	ppc,2vc/IRC, fo	16977	JFG	1000 w	dp47
NMB	-Walvis Bay R.	20	QSL-lt,history/IRC, fo	4384	V5W	10000 w	dp47
NOR	-NDB Fagernes	16	f/d lt 2 f/up	342	`LL`		lrG
NOR	-NDB Odderoy	16	f/d lt f/up	372	`ODR`		lrG
NOR	-NDB Sandefjord	14	f/d cd via CAA	283	`SF`		lrG
POL	-NDB Bydgoszcz	10	cd via cen-ads/ms	534	`SL`	40 w	zeTC
POL	-NDB Bydgoszcz	10	cd via cen-ads/ms	532	`SZ`	40 w	zeTC
POL	-NDB Hel Lighthouse	42	ppc,card/IRC via HQ	306,5	`H`		hb31
POL	-NDB Lisiekaty	87	cd	364	`GRU`		lrG
POL	-NDB Szczecin	10	cd via cen-ads/ms	285	`O`	40 w	zeTC
POL	-NDB Warszawa	10	cd via cen-ads/ms	412	`WAO`	40 w	zeTC
POL	-NDB Zielona Góra	14	pc,lt,AP chart	405	`TR`		wh03
POL	-Slupsk R.	282	ppc,vc/IRC, fo	2182	SPG21	800 w	dp47
POL	-Warszawa R.	22	QSL-lt,HAM-QSL/IRC, fo	14654,6	SPW	1000 w	dp47
POL	-Warszawa R.	39	QSL-lt,ppc,HAM-QSL	14654,6	SPW	1000 w	ai46
ROM	-NDB Sibiu	17	f/d lt (rprt send reg.)	381	`SIB`		lrG
RUS	-St. Petersburg R.	425	ppc,lt,fo/IRC, fo	6380	UCW4	5000 w	dp47
S	-NDB Malmö-Sturup	6	f/d lt	420	`SS`		lrG
S	-NDB Norrköping	14	f/d lt	377	`KN`	100 w	lrG
S	-NDB Göteborg-Säve	109	ppc,sti	405	`AV`		wh03
SHN	-R. St. Helena	362	QSL-cd,lt/IRC, fo	11092,5	ZD7RSD		dp47
SVB	-Svalbard R.	538	ppc/IRC, fo (hrd in N)	2182	LGS	1200 w	dp47
TUN	-Kelibia R.	16	lt,vc	2182	3VL	750 w	lrG
UKR	-Kherson R.	28	f/d lt,ham-cd/irc	8706,4	USI	350 w	ai46

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UKR-Kherson R.	31	QSL-lt,HAM-QSL/IRC,fo	8706,4	USI	300 w	dp47
USA-MARS East Liverpool	290	hamcard,ppc/ms	13927	AFA1MH		hb31
VEN-Ny Caracas	33	ppc,ltIRC/fo	f/up 20401,4	YWM1		dp47

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard, cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, sae=self addressed envelope, f=folder, f/d full detailed, USD=US Dollar, c/a=central address, Lfb=Lifeboat

## Membership and money corner:

Fee is due to renew (April/May) for the gentlemen egCH and pcG (Peter: Norbert asks you kindly to send your membership fee in english stamps for the purpose of return postage - normal standard letters - tnx!)

## Addresses/Infos/Veri-signers:

C/f NDB's:

Hope this solve some misteries. I don't have the city nor the country but the lat/long may be usefull. Marcus, PY2PLL/PY3CRX <http://py3crx.cjb.net> TNX, ed!!

## Call/Class/Freq/Range/Lat/Long

285 DY

DY NDB 284,5 25 51° 14' 3.548N 6° 39' 15.750E

289 CC

CC NDB 286 60 41° 44' 2.332S 174° 16' 20.471E (???)

299a PU

PU NDB 296 50 41° 30' 24.001N 123° 17' 35.999E (???)

PU NDB 302 NIL 38° 17' 2.000N 104° 38' 48.970W (???)

300 PV

PV NDB 300 150 17° 43' 45.998S 168° 17' 35.999E

304a GO

GO NDB 305 NIL 43° 8' 28.000N 25° 45' 47.002E

345 XX

XX NDB 344 NIL 49° 0' 56.002N 122° 29' 16.001W

348 MSK

MSK NDB 347 NIL 60° 27' 20.621N 11° 16' 7.309E

352 TRF

TRF NDB 352 NIL 59° 55' 45.041N 10° 16' 9.502E

354 ARW

354 RW

KRW NDB 353 NIL 50° 5' 44.300N 19° 54' 46.102E

DRW NDB 355 25 51° 53' 53.999N 14° 33' 51.001E

384 MT

MT NDB 385 100 26° 33' 25.999S 28° 1' 57.000E

385 MT

MT NDB 385 100 26° 33' 25.999S 28° 1' 57.000E

388 SOK

SOK NDB 387 NIL 60° 14' 13.538N 9° 54' 55.001E

439 OKL

OKL NDB 438 100 50° 5' 12.001N 14° 11' 56.000E

USI Kherson R.: Radiocentre Kherson Radio, 325000 Kherson, Prospect Ushakowa 4, Khersenskij Morsij, Torgoselnij Port, UKRAINE (ai46,dp47)

JFX Kagoshima Fishery Radio: Gyogyo Kyodo Kumiai, Kagoshima Gyogyo, All Japan Fisheries Radio Ass., 11-39 Kinko-ch, Kagoshima-City 829-0836, Japan (dp47)

JFF Miyagi Fishery Radio: Gyogyo Kyodo Kumiai, Miyagi-ken Gyogyo, All Japan

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Fisheries Radio Ass., 3-6-1 Uomachi, Ishinomaki-City 986-0022, Miyagi-ken, Japan (dp47)

SPW Warszawa R.: Telekomunikacja Polska S.A., Centrum Usług Satelitarnych, w Psarach k. Kielc, Regon 011968530, Objekt Radiokomunikacji Satelitamej, s Porebach Lesnych, PL- 05-304 Stanislawow (dp47,ai46)

LPD NDB Montlucon: Chambre de Commerce et d'Industrie de Montlucon-Gannet, B.P. 3248, F- 03106 Montlucon Cedex (lrg)

YN NDB La Roche: Chambre de Commerce et d'Industrie de la Vendee, 16 rue Oliver de Clisson, B.P. 49, F- 85002 La Roche Sur Yon Cedex (lrg)

CF NDB Clermont-Ferrand: Direction de l'Aviation Civile Centre Est, Delegation Regionale Auvergne, B.P. 265, F- 63510 Aulnat (lrg)

GRU NDB Lieiekaty: Aeroklub Grudziadz Lotnisko Lisiekaty, PL- 86-302 Grudziadz', Poland (lrg)

OZN NDB Prins Christian Sund: Telesevice Centre Qaqortoq, Postboks 504, DK\_ 3920 Qaqortoq (lrg)(v/s=Hans Vilhelm Rasmussen)(lrg)

AI NDB Alicante: Torre de Control, Aeropuerto de Alicante, E- 03071 Alicante (lrg)

CROSS Ete1: CROSS a Ete1, 40 Avenue Louis Bougo, B.P. 48, F- 56410 Ete1 (lrg)

ER NDB Pointe de Ver: Section Informations et Ouvrages Nautiques, Division Radiosignaux E.P.S.H.O.M, B.P. 426, F- 29275 Brest Cedex (lrg)

RB NDB Cherbourg: Section Informations et Ouvrages Nautiques, Division Radiosignaux E.P.S.H.O.M, B.P. 426, F- 29275 Brest Cedex (lrg)

CT NDB Pointe de Combrit: Section Informations et Ouvrages Nautiques, Division Radiosignaux E.P.S.H.O.M, B.P. 426, F- 29275 Brest Cedex (lrg)

SO NDB Santiago: AENA, Aeropuerto de Santiago, Apartado de Correos 2094-2095, E- 15820 Santiago de la Compostelo, La Coruna (lrg)

SPP NDB Sevilla Direccion Regionalk de Navigacion Aerea, Region sur Aeropuerto de Sevilla, Carretera Nacional IV Madrid-Cadiz 532, E- 41007 Sevilla (lrg)

SBD NDB Sabadell: Carretera de Bellaterra, s/n, E- 08205 Sabadell, Barcelona (lrg)

SIB NDB Sibiu: Regia Autonoma Aeroport Sibiu, 2400 Sibiu, Judsibiu (lrg)

WP NDB Amsterdam: Luchtverkeersleiding Nederland, Stationsplein Zuid-west 1001, NL- 11117 CV Schipol-Oost (lrg)

SS NDB Malmö-Sturup: Telia Mobitel AB, Teknikservice, Syd Radio, Box 4, S- 230 32 Malmö-Sturup (lrg)

ONC NDB Charleroi: Belgocontrol, Service Electronique Aeronautique, Aeroport de Charleroi-Brussels south, 6041 Gosselies (Hainaut) (lrg)

BC NDB Brasschaat: School Licht Viiegwezen Kwartier Noord, B- 2930 Brasschaat (lrg)

MAK NDB Mackel: Belgocontrol, Dienst Luchtvaart-Elektronica, Luchthave Brussel-Nationaal, B- 1930 Zaventem (lrg)

MIQ NDB Mike: DFS GmbH Muenchen, Regionalleitzstelle Muenchen, Postfach 241252, D- 85334 Muenchen-Flughafen (lrg)

RW NDB Tegel West: DFS, Flugsicherung-GmbH, Flughafen Tempelhof, D- 12101 Berlin (lrg)

ERT NDB Erfurt: DFS GmbH, Niederlassung Erfurt, Binderslebener Landstr. 100, D- 94092 Erfurt (lrg)

BOT NDB Bottrop: DFS GmbH, Technischer Dienst, Keiserleistr. 29-35, D- 63067 Offenbach (lrg)

WW NDB Antwerpen: Regie der Luchtwegen, Chef Verkeersleider, Luchthaven Antwerpen, B- 2100 Deurne (lrg)

ONW NDB Antwerpen: Regie der Luchtwegen, Chef Verkeersleider, Luchthaven Antwerpen, B- 2100 Deurne (lrg)

BD NDB Bordeaux-Merignac: Direction de l'Aviation Civile/Sud-Ouest, Aeroport Principal de Bordeaux, Departement Operations, Divisions Technique, B.P- 116, F- 33704 Merignac Cedex (lrg)

MA NDB Kuressaare: Kuressaare Lennujaam, Roomassaare 1, 93815 Kuressaare, Estonia (lrg)

KN NDB Norrköping: Luftfartsverket, Norrköping Flygplats, Flygtrafikledning, S- 601 79 Norrköping (lrg)

ODR NDB Odderøy: Luftfartsverket, Luftfartsjenesten, Kristiansand Lufthavn, N- 04750 Kjevik (lrg)

LL NDB Fagernes: Luftfartsverket, Luftfartsjenesten, Fagernes Lufthavn, Leirin, N- 2900 Fagernes (lrg)

3VL Kelibia R.: Nouredine Kelibia Marine Recette P.T.T. Kelibia, 8090 Kelibia, Tunisia (lrg)

PAH NDB Schwerin-Parchim: Flughafen Schwerin-Parchim, Dammer weg, D-19370 Parchim (hb31)

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FAU NDB Fauna/Bornholm: Statens Luftfartsvaesen, Bornholms Lufthavn,  
 Sdr. Landevej 2, DK-3700 Roenne, Denmark (wh03)  
 TR NDB Zielona Góra: Port Lotniczy Zielona Góra Kierownik Terenowego Zespołu,  
 Kontroli Lotniska Zielona Góra, PL 66-110 Babimost, Polska (wh03)

That fine work was made by our (10) ute freaks: zeTC (your logs in 6-2000),  
 wh03, PY2PLL Marcus, hb31, ti25, nr76/nrt (nrt=nr76 in Tuzla,BIH), lrG, rbCH,  
 dp47, ai46 (OM js38: yr logs in 6-2000)  
 gd dx + 73`s, until next month (c)  
 Andreas

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EUROPEAN UTILITY NEWSLETTER 6-2000

\*\*\*\*\*  
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 \* \*  
 \* Deadline: 20th of the month!!! \*  
 \* \*\*\*\*\*

Hi everyone,

It seems that the summerhole is coming as we have a very low input this  
 time. You all know that I need input to make an output. Anyway, enjoy  
 this edition!

N D B

198	0943	DIW	Dixon, NC	USA	id	aiMX
216	0128	CLB	Wilmington, NC	USA	id	aiMX
236	0951	GNI	Grand Isle Seaplane Base	USA	id	aiMX
288	1453	HH	DGPS Hoek van Holland	HOL	RTTY data	abNL
290	2135	TR	Tirana/Rinas	ALB	id	zeTC
295,5	2139	EM	Etampes/Mondesir	F	id	zeTC
296	2138	JYV	Jyvaskyla	FIN	id	zeTC
299,5	1450	AD	DGPS Ameland	HOL	RTTY data	abNL
302,5	1529	FB	DGPS Flamborough Head	G	RTTY data	abNL
308	2144	MOJ	Mojkovac	YUG	id + dash	zeTC
311,5	1527		DGPS Oostende	BEL	RTTY data	abNL
314	2150	GIN	Giessen	D	id	zeTC
315	2129	PAH	Schwerin/Parchim	D	id (new NDB!)	zeTC
316	1523	PH	Eindhoven	HOL	id	abNL
317	1525	VS	Valenciennes	F	id+tone	abNL
322	2200	BRN	Berane	YUG	id + dash	zeTC
324	2205	AS	Kemi-Tornio	FIN	id	zeTC
326	1005	PKZ	Pickens, Pensacola,FL	USA	id	aiMX
326	1000	BHF	Freeport	BAH	id	aiMX
326	1458	LLS	Lelystad	HOL	id	abNL
327	1454	MVC	Merveille	F	id+tone	abNL
330	1346	CZM	Cozumel Int`l	MEX	id	aiMX
330	2221	ZRA	Zadar/Kakman	HRV	id	zeTC
332	1350	FIS	Fish Hook, Key west,FL	USA	id	aiMX
332	1446	NV	Nieuwkoop	HOL	id	abNL
336,5	1459	NIK	Nicky	BEL	id+tone	pt53+abNL
337	2230	MY	Myggeanes	FRI	id	zeTC
338	1926	RUD	Ruedesheim	D	id + tones	pt53
340	1635	ZIG	Leipzig	D	id (new NDB!)	zeTC

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340	2233	KAI	Utti/Kaiipi	FIN	id	zeTC
344	1343	ZIY	Grand Cayman	CYM	id	aiMX
350	1426	ROT	Rotterdam	HOL	id	abNL
350	1438	ROT	Rotterdam	HOL	id	abNL
352,5	1523	DD	Oostende	BEL	id	abNL
355	1020	TGU	Toncontin Int`l	HND	id	aiMX
356	0923	PB	Palm Beach Int`l,FL	USA	id	aiMX
362	1958	NN	Eskilstuna	S	id	zeTC
369	1446	PS	Heenvliet	HOL	id	abNL
369	1438	PS	Heenvliet	HOL	id	abNL
370	1023	LMSe	La Mesa	HND	id+dot	aiMX
375	0320	GUA	Guatemala City	GTM	id+tone	aiMX
376	0314	ZIN	Great Inagua	BAH	id	aiMX
376	1521	WP	Muiden	HOL	id	abNL
380	0138	UCY	Cayabo	CUB	id	aiMX
384	2243	HNS	Hoynes	NOR	id	zeTC
386	1446	STD	Stad	HOL	id	abNL
387	1500	ING	St. Inglevert	F	id+tone	abNL
388	0143	AM	Tampa Int`l, FL	USA	id	aiMX
388,5	1500	CH	Buiten Kaag	HOL	id	abNL
390a	0141	KLT or KL+longer dot	unid	?	id	aiMX
391	0150	DDP	Dorado, San Juan	PTR	id	aiMX
392	0944	BZE	Belize Int`l	BZE	id	aiMX
395	1519	OA	Assendelft	HOL	id	abNL
397	1518	EHN	Eindhoven	HOL	id	abNL
399,5	1518	ONO	Oostende	BEL	id+tone	abNL
404	1501	MRV	Merveille	F	id+tone	abNL
404,5	1501	RR	Rotterdam	HOL	id	abNL
409	2126	NCS	Nagy Cserkesz	HNG	id	zeTC
415	0207	CBC	Cayman Brac	CYM	id	aiMX
415	2142	RTB	Nurnberg	D	id	zeTC
431	2154	SAY	Stornoway	G	id	zeTC
435	2157	SM	Semenivka	UKR	id	zeTC
617	2305	SV	Stebliv	UKR	id	zeTC

## F I X E D

2626	2314	E10	Israeli intelligence	ISR	AM in progress	abNL
3195	2056		Ny Ustinov	RUS	cw-channelmarker R	abNL
3285	2346	M5RT	Czech mil Milovice	CZE	cw 5LGs	abNL
3322	2056		Ny Ustinov	RUS	cw-channelmarker R	abNL
3876	2126	DPQT	Czech mil Prague	CZE	cw 5LGs	abNL
4270	2000	E10	Israeli Intel.	ISR	AM PCD	abNL
4325	2056		Ny Ustinov	RUS	cw-channelmarker R	abNL
4325	2256		Ny Izhevsk	RUS	cw Channelmarker R	abNL
4395,5	2103	NVKL	Slovak mil zilnia	SVK	cw NVKL NVKL NVKL=HKVH HKVH	abNL
4447	2130	YABE	Unid Russian mil	RUS	cw c1g HR4S,GL1J,TROC,w44S,	abNL
4461	2000	E10	Israeli Intel.	ISR	AM FTJ	abNL
4463	2230	E10	Israeli intelligence	ISR	AM FTJ	abNL
4557,8	2055		RUSNy Kaliningrad	KAL	cw-channelmarker P	abNL
4557,9	2055		Ny Arkhangelsk	RUS	cw-channelmarker S	abNL
4706	2158	REA4	Russian Air Force	RUS	cw 5LGs	abNL
4802,5	2245	M21	Russian Air Defense	RUS	cw BT990245???(time=UTC+4)	abNL
4880	2200	E10	Israeli intelligence	ISR	AM ULX2	abNL
5019	2145	Unid stn.	Daily in the European		evenings,cw,Nothing but beeps,	abNL
5153,8	2054		RUSNy Kaliningrad	KAL	cw-channelmarker P	abNL
5154	2054		Ny Moscow	RUS	cw-channelmarker C	abNL
5164	2136		Unid	?	cw-in progress.High speed	Cw
5277	0600	JPTP	Unid military? Station	?	cw- JPTP JPTP JPTP VVV VVV VVV	abNL
					AR (see N&O for details)	abNL
5435	2000	E10	Israeli Intel.	ISR	AM ART	abNL
5446,5	2010	FDC	AF Metz	F	cw VVV marker	abNL
6986	2000	E10	Israeli Intel.	ISR	AM ART	abNL
7038,8	2053		RUSNy Kaliningrad	KAL	cw-channelmarker P	abNL
7038,9	2053		Ny Arkhangelsk	RUS	cw-channelmarker S	abNL
7039	2053		Ny Moscow	RUS	cw-channelmarker C	abNL
7739	1004	FDI22	AF Narbonne	F	cw-v mkr	pcG
7834,5	1059	FDC	AF Metz	F	cw-vvv	abNL

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8070	1850	FDI8	AF Nice	F	cw-v mkr	pcG
8094,5	2200	FDC	AF Metz	F	cw-v mkr	pcG
8494,8	2052		RUSNy Kaliningrad	KAL	cw-channelmarker	P abNL
8495	2052		Ny Moscow	RUS	cw-channelmarker	C abNL
8495	2047		Ny Vladivostok	RUS	cw-channelmarker	F abNL
9130	2000	E10	Israeli Intel.	ISR	AM EZI	abNL
9270	2045	E10	Israeli intel.	ISR	AM CIO2	abNL
10355	2259	4XZ	Israeli navy Haifa	ISR	cw VVV marker	abNL
10871,8	1554		RUSNy Kaliningrad	KAL	cw-channelmarker	P abNL
10871,9	2050		Ny Arkhangelsk	RUS	cw-channelmarker	S abNL
10872	2050		Ny Moscow	RUS	cw-channelmarker	C abNL
10872	2047		Ny Vladivostok	RUS	cw-channelmarker	F abNL
10970	2045	10	Israeli intel.	ISR	AM CIO2	abNL
11554	0600	XPH	Polytone station	RUS	nul msg	abNL
11565	2000	E10	Israeli Intel.	ISR	AM EZI	abNL
12209	2040	XPH	Polytone station	RUS	msg	abNL
13257,9	2055		Ny Arkhangelsk	RUS	cw-channelmarker	S abNL
13258	2055		Ny Moscow	RUS	cw-channelmarker	C abNL
13258	2047		Ny Vladivostok	RUS	cw-channelmarker	F abNL
13454	0620	XPH	Polytone station	RUS		abNL
13454	0620	XPH	Polytone station	RUS	nul msg	abNL
13527,8	1554		RUSNy Kaliningrad	KAL	cw-channelmarker	P abNL
13533	2000	E10	Israeli Intel.	ISR	AM EZI	abNL
13938	2020	XPH	Polytone station	RUS	msg	abNL
14100	1733	CS3B	PB Madeira	MDR	cw-	abNL
14100	1046	OH2B	PB Espoo	FNL	cw-	abNL
14100	1440	RR90	PB Novosibirsk	RUS	cw-	abNL
14484	0010	WUG231	USACE Memphis	USA	usb,E,ID,tfc	pt53
14570	1948		Unid.	?	High speed CW. Short zero,	but
		not in header/end	cw-5FGs sent twice. Ends with = 597 010 010 010 TTTTT			abNL
14648	2024	4XZ	Ny Tel Aviv	ISR	cw-vvv	abNL
14654	0640	XPH	Polytone station	RUS		abNL
15706	2000	XPH	Polytone station	RUS	nul msg	abNL
16331,8	1556		RUSNy Kaliningrad	KAL	cw-channelmarker	P abNL
16331,9	1556		Ny Arkhangelsk	RUS	cw-channelmarker	S abNL
16332	1556		Ny Moscow	RUS	cw-channelmarker	C abNL
20047,9	1556		Ny Arkhangelsk	RUS	cw-channelmarker	S abNL
20048	1554		Ny Moscow	RUS	cw-channelmarker	C abNL
21150	1053	OH2B	PB Espoo	FNL	cw-	abNL
33700	1245	KDP395	Cattaraugus County to Ellicottville Fire,NY	USA		js38
33700	1355	KNIV372	Daisytown Boro Vol. Fire Comp w Cambria County,PA	USA		js38
33700	1400	KFD651	Cambria County Dept. of Emergency,PA status and id	USA		js38
33700	1450	WSZ317	Caroline County 1, MD w emergency dispatch	USA		js38
33700	1454	KGF605	Cambria Township Vol Fire Comp w Cambria County,PA	USA		js38
33700	1501	KNIC371	Solomon Run Vol Fire Comp w Cambria County,PA	alarmUSA		js38
33700	1510	KGE365	Community Fire Comp. of Hollsopple w Somerset County,PA	USA		js38
33700	1511	KYG639	Jerome Voluntary Fire Dept. w Somerset County,PA	USA		js38
33700	1512	KBA743	Salisbury Vol Fire Dept. w Somerset County,PA	USA		js38
33700	1513	KGE234	Boswell Vol. Fire Dept req. stn alarm fr.County,PA	USA		js38
33700	1513	KGH732	South Union Vol. Fire Dept. w Fayette County,PA	USA		js38
33700	1540	KKD218	High Park Vol. Fire Dept. w Westmoreland County,PA	USA		js38
33700	1541	KDG748	Lloydsville Vol. Fire Dept.w Westmoreland County,PA	USA		js38
33700	1541	KGW744	Rostraver Cent.Vol.Fire Dept.w westmoreland County,PA	USA		js38
33700	1546	KGG863	New Alexandria Vol. Fire Dept.w Westmoreland County,PA	USA		js38
33700	1547	KNHS217	Derry Township Vol. Fire Dept.w Westmoreland County,PA	USA		js38
33700	1748	KWO527	Hastings Vol. Fire Company #1 w Cambria County,PA	USA		js38
33900	1800	KQA216	City of Cleveland Fire Department w dispatch+id,OH	USA		js38

## M A R I T I M E

2182	1939		Humber Coast Guard	G	YL anns, QSY 2226, wx	ai46
2182	2034	EAO	Palma Radio	E	usb,E/S QSY 1755	pt53
2182	1939	IDC	Cagliari Radio	I	usb,E/I QSY 2680,2719	pt53
2182	1938	IAR	Rome Radio	I	usb,E/I,QSY 1888	pt53
2182	1937	IQX	Trieste Radio	I	usb,E/I,QSY 1855,2624,2656	pt53
2357,5	2317	OUA32	Ny Stevns	DNK	cw marker	abNL
2643	2324	A9M	Bahrain Radio	BHR	cw DE A9M	abNL
2643,5	2323	SPS	witowo Radio	POL	cw SPS/TOR	abNL

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2829,5	2326	SPB	Szczecin Radio	POL	cw DE SPB	abNL
4274	0707	GBK2	Portishead Radio	G	cwPortishead event wkg Hams	abNL
8574	1417	LGB	Rogaland Radio	NOR	cw CQ TFC list	abNL
8635	1845	UTQ	Kiyev R.	UKR	cw-cq mrkr	pcG
8650	1419	SPE	Szczecin Radio	POL	cw QSX	abNL
8662	1450	TAH	Istanbul R.	TUR	cw-de mkr	pcG
8686	1452	IRM	Rome CIRM R.	I	cw-v mkr	pcG
8737	2034	5BA	Cyprus Radio	CYP	usb,E/Greek,ID,tape	pt53
12649,5	2146	XSG	Shanghai R.	CHN	SITOR/A tlx/cw mkr	pcG
12657	2143	UIW	Kaliningrad R.	KAL	SITOR/A cw/tlx mkr	pcG
12673,5	0720	CLA33	Havana R.	CUB	cw-cq mkr	pcG
12673,5	1655	A9M	Bahrain R.	BHR	SITOR/A tlx/cw mkr	pcG
12680,4	2132	8PO	Bridgetown R.	BRB	SITOR/A tlx/cw mkr	pcG
12704,5	1804	JFX	Kagoshima R.	J	cw-manual wkg tfc	pcG
12736	2130	LSD836	Buenos Aires R.	ARG	SITOR/A tlx/cw mkr	pcG
12756,5	2121	A9M	Bahrain R.	BHR	SITOR/A tlx/cw mkr	pcG
12801	2120	TAH	Istanbul R.	TUR	cw-cq mkr	pcG
12832,5	1937	JFC	Misaki R.	J	cw-weak manual cq call	pcG
12939	1835	SPE6	Szczecin R.	POL	cw-de mkr	pcG
13011	1920	AQP6	Ny Karachi	PAK	cw-v mkr	pcG
13022	1844	SPB63	Szcecin R.	POL	SITOR/A cw/tlx mkr	pcG
13062	2118	CLA32	Havana R.	CUB	cw-long cq mkr	pcG
13063,5	1935	VIE	Darwin R. (Globe)	AUS	cw-id+sitor	ai46
17020	1026	UDK	Murmansk R.	RUS	cw-manual tfc	pcG
17065	1620	UBF	St.Petersburg R.	RUS	cw-short cq call	pcG
17147	1632	URL	Sevastopol R.	UKR	cw-de url mkr	pcG

A E R O (Ground - stations)

2872	2310		Shanwick Aeradio	G	USB wkg Alitalia aircraft	abNL
4731	2200	MKL	RAF Kinloss	G	cw TAFS	abNL
5532	2337		CSA Praha	CZE	usb,Cz,wkg CZE-a/c	pt53
5544	0038		Saudia Jeddah	ARS	usb,E,wkg Saudia 89	pt53
5680	0800		Gluecksburg Rescue	D	usb wkg Mission 4757. r/c	abNL
5680	0811		Koksijde Rescue	BEL	usb wkg Airforce 9something	abNL
5680	0818		Kinloss Rescue G	usb	wkg Rescue 131	abNL
5680	0756		Stavanger Rescue	NOR	usb test	abNL
5680	0810	DRFB	FGS Homburg	IW	usb wkg Gluecksburg Rescue	abNL
8879	1845		Shanwick Aero	IRL	usb,E,wkg Speedbird 178	pt53
8879	2154		Bombay Aero	IND	usb,E,wkg Swissair	pt53
8891	2039		Iceland Aero	ICL	usb,E,wkg Canadian 91	pt53
8903	2041		Naha Aero	J	wkg flight 187	ai46
8903	2032		Seoul Aero	KOR	wkg flight 5418	ai46
8903	2045		Bangui Aero	CAF	wkg unid flight	ai46
8903	2233		Ndjamena Aero	TCD	usb,E,wkg KLM 593	pt53
8906	2203		New York Aero	USA	usb,E,wkg Reach 101	pt53
8924	1243		LDOC TransAer Dublin	IRL	wkg TransAer 855	ai46
8930	2040	SDJ	Stockholm Radio	S	usb,E,wkg Air France	pt53
8933	2200		Springbok SA Airways	AFS	usb,wkg Springbok 229	pt53
9001	1112		Kinloss Rescue	G	usb wkg Rescue 137, wx	abNL
10033	0042		SILVAIR Miami	USA	usb,E,wkg a/c	pt53
11247	2320		RAF Upavon	G	USB weather	abNL
11285	1909		Chennai Aero	IND	usb,E,wkg LH 8441	pt53
11300	2218		Cairo Aero	EGY	usb,E,wkg KLM 566	pt53
11300	2222		Nairobi Aero	KEN	usb,E,wkg Khartoum Aero	pt53
11300	0036		Tripoli Aero	LBY	usb,E,wkg LH 573	pt53
11300	2222		Khartoum Aero	SDN	usb,E,wkg Nairobi	pt53
11330	2224		New York Aero	USA	usb,E,wkg Swissair 117	pt53
11396	2227		New York Aero	USA	usb,E,wkg American 606	pt53
13236	1742		UKADGE	G	usb,E,wx	pt53
13264	1739		Shannon Volmet	IRL	usb,E,ID,Volmet	pt53
13294	2221		Kinshasa Aero	ZAI	usb,E,wkg Speedbird 56	pt53
13342	1738	SDJ	Stockholm Radio	S	usb,E,wkg a/c GMDJ	pt53

A E R O (aircraft)

8903	2142		Springbok 220	AIR	usb,E,clg Libreville	pt53
8903	2143		Springbok 220	AIR	usb,E,clg Kinshasa	pt53

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## D I G I T A L

100	1540		Various LORAN stations	pulses	abNL
123,7	0605	DCF42	IfaG Potsdam (txm Mainflingen)	D RTTY DGPS data	abNL
129,1	0610	DCF49	ERF Berlin (txm Mainflingen)	D ASCII 200bd data	abNL
139	0612	DCF39	ERF Berlin (txm Burg)	D ASCII 200bd control data	abNL
147,3	2200	DDH47	Hamburg Meteo	D RTTY 50bd Plain text wx	abNL
518	1508	GNI	Niton Radio	G FEC 100bd navtex id S	abNL
518	1530	PBK	Netherlands Coast Guard	HOL FEC 100bd navtex id P	abNL
518	2300	GNI	Niton Radio	G FEC navtex id S	abNL
518	2200	OST	Oostende Radio	BEL FEC navtex id M	abNL
518	2310	OST	Oostende Radio	BEL FEC navtex id T	abNL
518	2230	PBK	Netherlands CG	HOL FEC navtex id P	abNL
518	2125	SDJ	Stockholm Radio (txm Gislovshammar)	S FEC navtex id	JabNL
2203	2319	MGJ	Ny Faslane	G RTTY 75bd CARB	abNL
2474	2316	PBC	Ny Goeree	HOL RTTY 75bd CARB	abNL
2608,4	2314	FUO	Ny Toulon	F RTTY 75bd test tape	abNL
3289	2349		Unid	? ARQ-E 86bd idling	abNL
3745	1802	HZN	Jeddah Meteo	ARS RTTY-100 AAXX rpt	zeTC
5255,5	2048	0A	Irish navy Dublin	IRL ARQ 100 wkg 18.QSY to F2	abNL
5321	1703		UNID ?	? FEC/A/96/170ATU-Arabic msgs	pcG
7671,5	0900	FDG	AF Bordeaux	F ITA2/50/400 le brick/ry test	pcG
7949,5	1530	FDG	AF Bordeaux	F ITA2/50/400 le brick/ry test	pcG
8015	1955		UNID ?	? 96/500 cont crypto	pcG
8043	1820	RFF---	UNID FF	F ARQE/72/400 cont idle	pcG
8079	0853		UNID ??	? 100/500 cont crypto	pcG
8105	1845	RFFX	Paris FF	F ARQE/184.1/400 cont idle	pcG
8164,5	1645		UNID ?	? 100/150 cont crypto	pcG
8605	2210	UIW	Kalinigrad Radio	KAL RTTY 50bd msgs to var. vess	abNL
9130	2050	MGJ	Ny Faslane	G rtty75,mrk	pt53
10100,8	1848	DDK9	Hamburg Meteo	D rtty50,wx,no ID	pt53
10215	1840		Jeddah Meteo	ARS rtty100,wx,no ID	pt53
10492,5	1058		MFA Bucharest	ROU Rum-FEC 164.5 bd,circulars	pt53
10536	0050	CFH	Ny Halifax	CAN rtty75,wx,no ID	pt53
10917,7	0553	RFTJ	FF Dakar	SEN ARQ-E-48 ssgggggss	zeTC
10961,2	0558		unid	? ARQ-M2-200 idling	zeTC
10991,7	0603	RFFVAY	FF Sarajevo	BIH ARQ-M2-200 idling	zeTC
11080	1640		Sana Damsacus	SYR rtty50,AA nx	pt53
12124	0855		MFA Oslo	NOR FEC news and sports in Nor.	abNL
12604,5	0748	9AR	Rijeka Radio	HRV FEC list of services	abNL
12666,5	0850	RFFME	Ny La Regine	F RTTY 150 test tape	abNL
12823,5	2119	CTP	Lisbon NATO	POR ITA2/75`naws de ctp` msg	pcG
12877,5	0746	UIW	Kalinigrad Radio	KAL RTTY 50 ry	abNL
12921	1830	MGJ	Ny Faslane	G ITA2/75 channel status mkr	pcG
13031	2110	FUF	FNy Ft de France	F ITA2/75/850 ry/sg testing	pcG
13530	2110	KAWN	USAF ?	USA rtty75,wx	pt53
13846,5	1703	RFQP	FF Djibouti	DJI ARQ-E3,100,contr. de voie	pt53
13900	1555	BMF	Taipei Meteo	TWN FAX-120 sfc anal	zeTC
13920	1603	AXM35	Canberra Meteo	AUS FAX-120 500hPa fcst	zeTC
14982,5	1528		Tashkent Meteo	UZB FAX-120 sfc anal	zeTC
16014,2	1637	RFVI	FF Le Port	REU ARQ-E3-100 idling	zeTC
16261,7	1652	RFTJD	FF Libreville	GAB ARQ-E3-192 idling	zeTC
17020	1030	UDK	Murmansk R.	RUS ITA2/50/170 ryry + cq call	pcG
17045,6	1702	9MG	Penang R.	MLA SITOR-A cw mkr	zeTC
18060,1	0614	AXI36	Darwin Meteo	AUS FAX-120 wind anal	zeTC
18220	1535	JMH5	Tokyo Meteo	J FAX-120 sfc anal	zeTC
18320,7	1520	RFTJ	FF Dakar	SEN ARQ-E3-192 idling	zeTC
18444,7	1618		unid	? ARQ-E-184,6 idling	zeTC
18503,7	1529	RFFA	FF Paris	F ARQ-E3-192 idling	zeTC
18560	1530	BMF	Taipei Meteo	TWN FAX-120 CH txt wx	zeTC
19048,7	1458	RFFA	FF Paris	F ARQ-E3-192 idling	zeTC
19384,8	1436	RFQP	FF Djibouti	DJI ARQ-M2-200 idling	zeTC
19541,7	1445		MFA Cairo	EGY SITOR-A KDDR YKS	zeTC
19751	1703	9MG	Penang R.	MLA SITOR-A cw mkr	zeTC
19830	1450	RFGW	MFA Paris	F FEC-A192 DE RFGW	zeTC
20469	1333	AXM37	Canberra Meteo	AUS FAX-120 fcstInd.Oc.	zeTC
26242	1122	RFVI	FF Le Port	REU ARQ-E3-100 idling	zeTC



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## T I M E S I G N A L

60	0650 MSF	TS station Rugby	G	CW time signals	abNL
75	1540 HBG	Obesrvatoire Neuchatel	SUI	CW timesignals	abNL
77,5	0700 DCF77	TS station Mainflingen	D	CW time signals	abNL

## Q S L - R E V I E W

ITU Station	days	rvcd/gvn	QRG	Call	Power	name
AUS-Penta Comstat	2	n/d e-mail (2 f/ups)	13176	VXZ		lrG
AUT-NDB Innsbruck/Absam	15	stamped RR via Vienna/irc	313	AB		zeTC
BLZ-NDB Belize	30	ppc (hrd in MEX)	392	BZE	600 w	ai46
CZE-NDB Caslav	45	ppc via cen-ads/ms	345.5	CF	100 w	zeTC
CZE-NDB Caslav	45	ppc via cen-adr/ms	715	C	100 w	zeTC
CZE-NDB Caslav	45	ppc via cen-ads/ms	715	F	100 w	zeTC
CZE-NDB Pardubice	45	ppc via cen-ads/ms	888	P	100 w	zeTC
CZE-NDB Plzen-Line	45	ppc via cen-ads/ms	398	D	100 w	zeTC
CZE-NDB Prerov	45	ppc via cen-ads/ms	319	C	100 w	zeTC
CZE-NDB Prerov	45	ppc via cen-ads/ms	441	CK	100 w	zeTC
CZE-NDB Pardubice-Prvek	45	ppc via cen-ads/ms	432	PK	100 w	zeTC
CZE-NDB Ceske Budejovice	45	ppc via cen-adr/ms	402	RA	100 w	zeTC
CZE-NDB Hradec Kralove	45	ppc via cen-ads/ms	870	U	100 w	zeTC
CZE-NDB Hradec Kralove	45	ppc via cen-ads/ms	422	UR	100 w	zeTC
D -NDB Altenburg-Nobitz	13	ppc,i brochure/vc,ms	330	ABU	30 w	zeTC
D -NDB Diepholz	21	ppc,lt,sked/vc,ms	325	DP		zeTC
D -NDB Fassberg	15	ppc/vc,ms	284	FSB	65 w	zeTC
D -NDB Fritzlar	7	f/d cd/vc,ms	468	FTZ	40 w	zeTC
D -NDB Giessen	19	cd via Offenbach/ms	314	GIN		zeTC
D -NDB Hamburg-North	21	cd via Offenbach/ms	323	GT		zeTC
D -NDB Hohn AFB	12	ppc/vc, sase	344	HN	40 w	zeTC
D -NDB Muenster	24	ppc,lt,brochure,ms	back305	MST	50 w	zeTC
D -NDB Rheine/Bentlage	29	p/d lt	401,5	BET		lrG
D -NDB Schwerin-Parchim	14	ppc/vc,ms	315	PAH	100 w	zeTC
D -NDB Solling	35	f/d cd	347,5	SOG		lrG
D -NDB Landsberg	27	f/d lt f/up	448	LQ		lrG
D -Quickborn Meteo	36	certificate/2IRC	147,3	DDH47		lrG
E -NDB Palma deMallorca	804	ppc/vc	307.5	PA	60 w	zeTC
E -NDB Pamplona	28	lt f/up	422	PAM	200 w	lrG
E -Palma R.	24	ppc/SASE Cen-ads	2182	EAO	1000 w	js38
F -CROSS Joburg	10	ppc,lt,sti,info/ms	2182			js38
F -NDB Blois/Le Breuil	43	p/d cd/ms 2 f/up's	397	BLB		lrG
F -NDB Etain Rouvres	44	f/d lt,pc	410	ETN		lrG
F -NDB Etampes/Mondesir	25	ppc via ADP Paris	295.5	EM		zeTC
F -NDB Le Touquet	21	n/d lt/ms 2 f/up's	358	LT		lrG
F -NDB Macon	12	ppc/sase	400	MC		lrG
F -NDB Metz/Louvigny	20	ppc/-	388	LOU	50 w	js38
F -NDB Metz/Nancy	20	ppc/-	354	MTZ	50 w	js38
F -NDB Toulouse	28	all ppc s+sase not used	415	TOE		lrG
F -NDB Toulouse	28	all ppc s+sase not used	423	TS		lrG
F -NDB Toulouse	28	all ppc s+sase not used	406	TW		lrG
F -NDB Toulouse	28	all ppc s+sase not used	368	TLB		lrG
F -NDB Cap Ferret	22	ppc/SAE f/up	286,5	FT		lrG
F -NDB Pte St.Mathieu	22	ppc/SAE f/up	291	SM		lrG
F -NDB Cap D'Alprech	22	ppc/SAE f/up	294	PH		lrG
F -NDB Pte.de Barfleur	22	ppc/SAE f/up	297	FG		lrG
F -NDB Pte de Creac'h	22	ppc/SAE f/up	297	CA		lrG
F -NDB Pte D'Ailly	22	ppc/SAE f/up	305,5	AL		lrG
F -NDB Le Grand Jardin	22	ppc/SAE f/up	306,5	GJ		lrG
F -NDB Ile vierge	22	ppc/SAE f/up	314	VG		lrG
F -NDB Chalons-Vatry	5	f/d lt 3 f/ups	347	CVT		lrG
FIN-NDB Ivalo	44	p/d lt via cen-ads	354	G		lrG
G -Humber Coast Guard R.	10	ppc,cd,lt,i	2226		250 w	ai46
G -NDB Cumbria	6	ppc/sase	328	CL		lrG
G -NDB Yeovil/westland	16	ppc,lt,much info/ms	343	YVL	100 w	js38
G -Portishead Radio	86	card/-	12835	GKA		js38
GRC-HNMS Athens Meteo	44	n/d lt,sked,maps,IRC	8105	SWA28	1500 w	zeTC

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GRL-NDB Godhavn	9	ppc/sase	306	`GN`		lrG
GUM-USCG Agana	24	p/d lt	16812,5	NRV		lrG
I -Crotone Radio	23	lt,ppc/ms	2663	IPC	1000 w	js38
I -MRSC Livorno	17	ppc/SASE	6815	ICI02	100 w	js38
I -Ravenna Radio	23	Lt,ppc/ms	2182	IPQ	1000 w	js38
IRL-LDOC TransAer Dublin	16	ppc	8924			ai46
IRL-Malin Head R.	25	stamped RR,TX-fo,i	518	`EJM`	1000 w	zeTC
IRL-NDB Dublin	8	ppc/sase via cen-ads	316	`OE`		lrG
IRL-NDB Mizzenhead	7	ppc/sase f/up	300	`MZ`		lrG
IRL-NDB Galway/Carnmore	15	f/d lt	321	`CRN`		lrG
IRL-NDB Old Head of Kinsale	7	ppc/sase f/up	288	`OH`		lrG
IRL-NDD Dublin/Rush	8	ppc/sase via cen-ads	326	`RSH`		lrG
IW -NDB Tanager	69	f/d lt,brochure	375	`TR`		lrG
LUX-NDB Diekirch	15	f/d lt	307	`DIK`	100 w	lrG
NOR-NDB Reksten	35	lt	379	`REK`		lrG
NOR-NDB Sandefjord	16	ppc/sase	283	`SF`	100 w	lrG
NOR-NDB Skrova Lt.	8	ppc/- via Svolvaer AP	296	`KN`	100 w	js38
POL-NDB Czempin	76	f/d cd via cen-ads	403	`CZE`		lrG
POR-NDB Coimbra	36	f/d lt f/up	426	`CB`		lrG
POR-Ny Alges	42	ppc,lt	2182		1500 w	ai46
ROU-NDB Arad	33	f/d lt f/up w/reg.mail	398	`K`		lrG
S -NDB Kalmar	18	p/d lt	366	`KM`		lrG
S -NDB Save	28	f/d cd	405	`AV`		lrG
S -NDB Jonkoping	46	f/d lt	403	`OJ`		lrG
USA-Harrison Twp Fire PA	15	lt,ppc,patch/-	33860	KDB441		js38
USA-Jerome Voluntary Fire Comp.	13	lt,ppc,patch,fo/-	33700	KYG639	100 w	js38
USA-Monroe County Control	11	lt,ppc,patch,i/-	33920	KNFF559	100 w	js38
USA-NDB Tampa	18	f/d ppc,lt (hrd in MEX)	388	`AM`	400 w	ai46
USA-NDB Key west Int'l	18	ppc (hrd in MEX)	332	`FIS`	400 w	ai46
USA-Tuscarawas County	911	15 lt,ppc/-	33940	WPET478		js38
UZB-Tashkent Volmet	76	f/d ppc,lt	8819		1000 w	ai46

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard, cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, sae=self addressed envelope, f=folder, f/d full detailed, USD=US Dollar, c/a=central address, Lfb=Lifeboat

Membership and money corner:

Addresses/Infos/Veri-signers:

C/f EUNL 5-2000 Navtex stations from rbCH: (Info from Day Watson, UK)  
N is a new Norwegian station at Orlandet (63.40N 9.33E), near Trondheim, but remote controlled from Rogaland.

Scheduled times are  
0210 0610 1010 1410 1810 2210 with wx fcst at 0210/1410  
(mny tnx Day, ed!)

IPC is Crotone Radio. They use the old Maritime transmitters of ICT Taranto together with Bari Radio. But the announcements are for the different frequencies as Bari or Crotone Radio. The receivers are further located at Crotone, but I do not know if there is still a local operator. (js38)

IPQ is a little bit more difficult:

The call came from the Harbourmaster in Ravenna (that is Compamare). Announced was a Pan-Pan call for the ship IVCJ Ringo II, which sank later with all people on board. The call was transmitted over the stations Ravenna/VHF, Ancona/MF+VHF, Trieste/MF+VHF, Venezia/VHF. As Ancona does not transmit since the 5 March in the MF Band, it may be was IQX Trieste which I have heard.(js38)

Ny Alges: Estacao R.N.Comandante Nunes Ribeiro, Central Receptora, P-2795 Linda-a-Velha, Portugal (ai46)

Tashkent Volmet: Aviatsiya Ma'muriyati, O'zaeronavigatsiya, 13 Lokomotivnaya St., Tashkent 700167, Uzbekistan (ai46)

BZE NDB Belize: Belize Aeradio, The Chief Civil Aviation Officer, Belize International Airport, P.O. Box 367, Belize City, BELIZE (ai46)

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AM NDB Tampa: „We also request that you do not give out our facility name and address to anyone else with similar interests“ (ai46)  
 FIS NDB Fish Hook/Key west Int`l: Federal Aviation Administration, FAA Communications Manager, Key West International Airport, Key West, FL33040 (ai46)  
 CB NDB Coimbra: CAMARA Municipal de Coimbra, Aerodromo Prof Doutor Bissaya-Barreto, 3000 Coimbra (lrG)  
 PAM NDB Pamplona: AENA, Aeropuerto de Pamplona, 31110 Noain-Navarra (lrG)  
 SF NDB Sandefjord: Sandfjord Airport, N- 3233 Sandefjord (lrG)  
 MC NDB Macon: Macon (Charnay) Airport, F- 71850 Charnay Les Macon (lrG)  
 LT NDB Le Touquet: Aeroport du Touquet, F- 62520 Le Touquet Paris-Plage (lrG)  
 TOE/TS/TW/TLB NDB`s Toulouse: Tour de Controle Allee St. Exupery, B.P. 100, F- 31703 Blagnac CEDEX (lrG)  
 REK NDB Reksten: AFIS-Fullmektig, LVLTT, Floro Lufthamn, P.B. 357, N- 6901 Floro (lrG)  
 GN NDB Godhavn: Tele Greenland A/S, Teleservicecentre Aasiaat, Postboks 217, DK- 3950 Aasiaat (lrG)  
 TR NDB Tanager: Phillips Petroleum Company Norway, P.B. 220, N- 4098 Tanager (lrG) email: contact@ppco.com  
 CVT NDB Chalons-Vatry: Aerodrome de Chalons-Vatry, Service de la Navigation Aerienne, CIDEX 309, F- 51320 Sommesous (lrG)  
 CRN NDB Galway/Carnmore: Galway Airport, Carnmore, Galway(lrG) (Fax: 091-752876)  
 K NDB Arad: ROMATSA- Romanian Air Traffic Service Administration, DSNA- Navigation Service Administration, 2900 Arad International Airport, Arad (lrG)  
 FIS NDB Key West Int`l: FAA Room 208, Key West International Airport, 3491 S. Roosevelt Blvd., Key West, FL 33040, USA (ai46)  
 SWA 28 HNMS Athens: Mr.George Kassimidis, Hellenic National Meteorological Service, Marine Meteo Branch, GR-16777 Athens. (zeTC)  
 PA NDB Palma de Mallorca: AENA, Navigacion Aerea, Region Balear, Centro de Control de Transito Aereo, Aeropuerto s/n, E-07000 Palma de Mallorca. (zeTC)  
 MST NDB Muenster: DFS Flugsicherung GgmbH, Niederlassung Muenster/Osnabrueck, Flughafen Muenster/Osnabrueck, D-48268 Greven. (zeTC)  
 HN NDB Hohn: Lufttransportgeschwader 63, Flugbetriebstaffel, Hugo Junkers Kaserne, Bw 213, D-24791 AltDuvenstadt. (zeTC)  
 DP NDB Diepholz: Fliegerhorststaffel Diepholz-Flugabfertigung, Postfach 11 33 04, D-49341 Diepholz. (zeTC)

That fine work was made by our (7) ute freaks: abNL, lrG, js38, zeTC, pt53, pcG, ai46/aiMX (=ai46 in Mexico)

gd dx + 73`s, until next month (c)

Andreas

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EUROPEAN UTILITY NEWSLETTER 7-2000

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*****
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*                                                                              *
*                               Deadline: 20th of the month!!!                 *
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Hi out there in the great silent land of utility...

Summer is coming and, as a phenomena of every year, the summerwhole... Nevertheless, some faithful contributors (the same as usual) had compassion and send in some stuff for the great majority of the silent people. But

## EUNL2000

it's my pleasure to announce, that Hans-Peter has updated our great utility address list. Many thanks indeed, dear Hans-Peter for that work!!! Please remember, that we have now our summerbreak and the next deadline will be the 20th August for the September issue. Take care!

## N D B

267	1000	FNO	Foyno	NOR	id	awNL
275	2050	VG	Vaga	NOR	id	awNL
276,5	1400	BW	Bremen-west	D	id	awNL
277	1400	CHT	Chiltern	G	id	awNL
282	1400	LA	Lyneham	G	id	awNL
284	0830	FSB	Fassberg	D	id	awNL
284,5	1430	DY	Düsseldorf	D	id	awNL
290	2240	GRZ	Graz	AUT	id	awNL
290	2220	H	unid	?	id	awNL
290	2050	ONL	Liege / Bierset	BEL	id	awNL
290,5	2240	VI	Cabo Villano Lth.	E	id+dash	awNL
291	2220	SN	Cabo San Sebastian	E	id+dash	awNL
296	2030	KN	Skrova Lth.	NOR	id+tone	awNL
293	2030	OB	Zaventem (Brussel Nat)	BEL	id+tone	awNL
293a	2020	XN	unid	?	id	awNL
295,5	2030	EM	Etampes / Mondesir	F	id+tone	awNL
295a	2220	5	unid	?	id	awNL
284	2230	VN	Capo Vaticano Lth	I	id+tone	awNL
300,5	2050	LW	Köln / Bonn	D	id	awNL
301	2220	ER	Eierland Lth (Texel)	HOL	id	awNL
303,4	1400	SF	Stora Fjöderögg Lth	S	id	awNL
305	2030	MST	Münster / Osnabrück	D	id	awNL
306,5	2030	RS	Ristina Lth	EST	id+tone	awNL
306,5	2000	H	Hel Lth	POL	id+tone	awNL
307	1430	DIK	Diekirch	LUX	id	awNL
309	2230	MW	Berlin - Schönefeld	D	id	awNL
309	0830	WW	Antwerpen / Deurne	BEL	id	awNL
309,5	2230	BA	Pta Estaca de Bares Lth	E	id+tone	awNL
311	1030	CEL	Celle	D	id	awNL
313,5	1415	BS	Port en Bessin Rear Lt	F	id+tone	awNL
315	2030	STK	Stadskanaal	HOL	id	awNL
316	1430	IN	Sonderborg	DNK	id	awNL
316	1000	PH	Eindhoven	HOL	id	awNL
317	2030	VS	Valenciennes - Denain	F	id+tone	awNL
319	2030	VAR	Varhaug (Stavanger)	NOR	id	awNL
320	1030	HA	Hannover - East	D	id	awNL
321	2030	SP	Skrydstrup - Vojens	DNK	id	awNL
323	1400	GT	Hamburg-North	D	id	awNL
324	1400	ML	Tirstrup - Aarhus	DNK	id	awNL
325	2030	DP	Diepholz	D	id+tone	awNL
326	2030	LLS	Lelystad	HOL	id	awNL
326	2030	YW	DUC Tyra West TW-B	IW	id+tone	awNL
327	2030	MVC	Merville / Calonne	F	id+tone	awNL
327	0315	LV	Köln/Bonn	D	id	pt53
328	1430	VJ	Stauning	DNK	id	awNL
330	2030	SO	Eelde (Groningen)	HOL	id	awNL
330	1030	PM	Pechora	RUS	id	awNL
331	2030	TE	Thisted (East)	DNK	id	awNL
331	0314	NMN	Mendig	D	id+2 tones	pt53
332	1430	LL	Lille - Lesquin	F	id	awNL
332	2030	NV	Nieuwkoop (Schiphol)	HOL	id	awNL
333	2220	SHO	Sean	IW	id	awNL
334	2030	OPA	Oslo / Gardermoen	NOR	id	awNL
335	2030	WCO	westcott	G	id	awNL
335,5	2030	TWN	Twenthe (Enschede)	HOL	id	awNL
336	2030	LT	Halmstad	S	id	awNL
336,5	2030	NIK	Nicky (StNiklaas)	BEL	id+tone	awNL
337	2030	MY	Myggenaes, Mykines	FAR	id	awNL
338	2030	OA	Jönköping - Husqvarna	S	id	awNL
339	1400	HAM	Hamburg	D	id	awNL
341	2030	LO	Billund	DNK	id	awNL

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342	2030	GG	Eelde (Groningen)	HOL	id	awNL
344	2030	HEK	Heka / Helsinki Vantaa	FNL	id	awNL
344	1400	HN	Hohn (Krummenort)	D	id+tone	awNL
345	2220	BT	Elblag	POL	id	awNL
346	1430	AU	Stauning	DNK	id	awNL
346	2030	WLU	Luxembourg west	LUX	id	awNL
346,5	2030	BMN	Bremen	D	id	awNL
348,5	1000	LG	Liege / Bierset	BEL	id	awNL
349	2220	DNF	Dan DUC-DF-C	IW	id+tone	awNL
350	1430	ROT	Rotterdam	HOL	id	awNL
350,5	2230	FU	Hamburg-Fuhlsbüttele	D	id	awNL
350a	1430	VTT	unid	?	id	awNL
351	2030	HEE	unid	?	id	awNL
351	2230	PLA	Pula (Altura di Pola)	HRV	id+tone	awNL
352	2220	NEW	Newcastle	G	id	awNL
352,5	1000	DD	Oostende	BEL	id	awNL
353	2030	KIL	Kiel	D	id	awNL
355	1400	ONW	Antwerpen / Deurne	BEL	id+tone	awNL
357	2030	KD	Kolding	DNK	id	awNL
357	2030	VZ	Eelde (Groningen)	HOL	id	awNL
358	2230	HW	Hannover	D	id	awNL
358	2230	SCV	Suceava	ROU	id	awNL
360	1400	OS	Göteborg / Save	S	id	awNL
360,5	2030	MAK	Mackel(Deinze-Machelen)	BEL	id+tone	awNL
360a	1000	SRN	unid	?	id	awNL
361	1400	NB	Bordeaux / Merignac	F	id+tone	awNL
362,5	1400	SND	Southend	G	id	awNL
363	2030	TLA	Talla (Edinburgh)	G	id	awNL
363,5	2230	BRD	Brindisi / Casale	I	id	awNL
364	2030	GRU	Grudziadz	POL	id	awNL
365	1400	GLX	Glückstadt (Hamburg)	D	id	awNL
365	2230	KIM	Humberside (Ottringham)	G	id	awNL
365,5	1400	BC	Brasschaat	BEL	id	awNL
366	1400	MB	Maribo	DNK	id	awNL
366,5	2030	BER	Bern/Belp	SUI	id	awNL
368	2030	BYC	Bückebug	D	id	awNL
368	2030	FN	Finndal	NOR	id	awNL
368	2220	RK	Roskilde (Copenhagen)	DNK	id	awNL
368,5	2030	ELU	Luxembourg East	LUX	id	awNL
369	2030	PS	Heenvliet	HOL	id	awNL
370	1400	TS	Toulouse / Blagnac	F	id	awNL
370,5	2030	LB	Angelholm	S	id	awNL
371	2230	MYN	Greven(Münster/Osnabrück)	D	id	awNL
371,5	2230	NH	Norwich	G	id	awNL
372	2030	ODR	Odderoy	NOR	id	awNL
372	2030	NDO	Nordholz	D	id+tone	awNL
373	2030	KEM	Kemi - Tornio	FNL	id	awNL
373	0830	NW	Maastricht - Beek	HOL	id	awNL
374	1000	TU	Tirstrup (Aarhus)	DNK	id	awNL
374,5	2220	SOG	Solling	D	id	awNL
375	2030	RB	Örebro	S	id	awNL
375	2030	TR	Ekofisk / Tor oilfield	IW	id	awNL
376	1400	HP	Esbjerg	DNK	id	awNL
376	1400	WP	Weesp	HOL	id	awNL
378	2030	RSY	Rennesoy	NOR	id	awNL
379	2030	REK	Reksten	NOR	id	awNL
380	2030	FLB	Flensburg	D	id	awNL
380	1000	ULA	Ula	NOR	id	awNL
381	2030	AB	Akraberg	FAR	id	awNL
381	2030	ESP	Espoo (Helsinki-Vanta)	FNL	id	awNL
381	2245	SIB	Sibiu	ROU	id	awNL
383	2030	ERK	Erken	S	id	awNL
383	2030	SHD	Scotstownshead	G	id	awNL
383	2030	LST	Lista - Farsund	NOR	id	awNL
383,5	1400	GUL	Gull (Gulpen)	HOL	id	awNL
386	1400	STD	Stad aan 't Haringvliet	HOL	id	awNL
386	2030	LK	Tallinn	EST	id	awNL
387	0830	SLT	Sylt	D	id+tone	awNL

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388,5	2050	CH	Schiphol Amsterdam	HOL	id	awNL
389	1000	HY	Skive	DNK	id	awNL
389	2030	MR	Myra	NOR	id	awNL
390	2000	JEV	Jever (wilhelmshaven)	D	id+tone	awNL
390a	2030	SIR	unid	?	id	awNL
391	2000	TGE	Teuge (Deelen)	HOL	id	awNL
392	2240	RW	Tegel-west (Berlin)	D	id	awNL
393	1400	DEN	Dender (Brussels Natl)	BEL	id+tone	awNL
394	1400	TW	Thisted (west)	DNK	id	awNL
395	1400	FNL	Fenland	G	id	awNL
395	2050	GE	Billund	DNK	id	awNL
395	2000	OA	Schiphol (wormer)	HOL	id	awNL
396	2000	HYV	Hyvinkaa	FNL	id	awNL
397	2050	EHN	Eindhoven	HOL	id	awNL
397	2240	LYX	Lydd	G	id	awNL
398	2030	D	Nyrany	CZE	id	awNL
398	1000	GL	Aalborg	DNK	id	awNL
399	2245	NGY	New Galloway (Prestwick)	G	id	awNL
399	2050	WBD	Wiesbaden	D	id	awNL
399,5	2000	ONO	Oostende Haven	BEL	id+tone	awNL
400	2000	KO	Kilo Oscar (Kaipi-Utti)	FNL	id	awNL
400,5	2000	EJ	Esbjerg	DNK	id	awNL
401,5	2030	BET	Rheine-Bentlage	D	id+tone	awNL
402,5	2240	LBA	Leeds and Bradford	G	id	awNL
404	2220	BMR	Baia Mare	ROU	id	awNL
404	2240	DA	Dalen (Torp)	NOR	id	awNL
404	1400	MRV	Merville-Calonne	F	id	awNL
404	2030	NL	Nolso (Vagar)	FAR	id	awNL
404	2030	LW	Luxembourg	LUX	id	awNL
404,5	1400	RR	Rotterdam (Haastrecht)	HOL	id	awNL
405	2230	GRW	Grafenwöhr (US Airforce)	D	id	awNL
406	1400	BHX	Birmingham	G	id	awNL
406,5	2030	BOT	Bottrop	D	id	awNL
407a	0830	YJZW5	unid (Homing Beacon?)	?	id	awNL
408	2220	BRK	Bruck (wien-Schwechat)	AUT	id	awNL
409	2230	CZE	Czempin (Lawica)	POL	id	awNL
409	1400	DAR	Darlowo	POL	id	awNL
409	1400	FNA	Neg ident of Darlowo	POL	id	awNL
409	2030	SG	Satenas	S	id	awNL
413	2030	KTI	Kuhtai (Innsbruck)	AUT	id	awNL
413,5	2240	DLS	Lübars (Berlin-Tegel)	D	id	awNL
413,5	2240	GLT	Galati	ROU	id	awNL
414	2050	SLB	Oslo	NOR	id	awNL
415	2050	OL	Linköping	S	id	awNL
416	2220	POZ	Pozarevac (Belgrado)	YUG	id+tone	awNL
416	2240	WZ	Newcastle	G	id	awNL
417	1400	AH	Angelholm	S	id	awNL
417	2240	HDL	Heidelberg	D	id	awNL
417	1400	LI	Düsseldorf	D	id	awNL
418	2050	L	Tallinn	EST	id	awNL
418	1400	MK	Marck (Calais)	F	id+tone	awNL
419	2240	RA	unid	?	id	awNL
420	2030	BAZ	Bayreuth/Bindlacherberg	D	id	awNL
420	2230	INN	Innsbruck	AUT	id	awNL
420	2230	LGS	Connoco Loggs	IW	id	awNL
420	2215	SS	Sturop (Malmö)	S	id	awNL
421	2000	MF	Halmstad	S	id	awNL
422	2050	UR	Hradek / Jaromer	SVK	id	awNL
423	1400	CWL	Cranwell	G	id	awNL
423	2215	FE	Beldringe (Odense)	DNK	id	awNL
424	2215	STI	Markham Platform AST-1	IW	id	awNL
424	2240	PIS	Pisarovina (Zagreb)	CRO	id+tone	awNL
425	2230	ERT	Erfurt	D	id	awNL
426	2230	GBG	Gleichenberg	AUT	id	awNL
426	0830	HWQ	Hewett	IW	id	awNL
426	2050	WYP	Wipperfürth	D	id	awNL
426	2030	MIQ	Mike-Ingolstdt	D	id	awNL
428	2230	TGM	Tirgu Mures	ROM	id	awNL

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429	2230	D	Praha	CZE	id	awNL
429	2050	GBL	Giebelstadt (US Airforce)	D	id	awNL
429	2000	POZ	Poznan / Lawica	POL	id	awNL
429	2215	SSD	Stansted (London)	G	id	awNL
431	0830	ONT	Kleine-Broegel	BEL	id+tone	awNL
431	2030	SAY	Stornoway	G	id	awNL
432	2030	AKU	Akujarvi-Kaunis, Ivalo	FNL	id	awNL
433,5	0830	HEN	Henton	G	id	awNL
434	2215	GR	Gorka	RUS	id	awNL
434	2215	SK	Leipzig	D	id	awNL
434	2215	THN	Thorn	HOL	id	awNL
435	2050	ZBN	Zweibrücken	D	id	awNL
438	2240	PE	Poprad - Tatry	SVK	id	awNL
440	2230	PIA	Piacenza	I	id	awNL
441	2240	DRE	Drezdenko	POL	id	awNL
445	2230	TU	Tuzla	BIH	id+tone	awNL
448	2215	HLV	Holesov	CZE	id	awNL
453	2220	CN	Piestany	SVK	id	awNL
462a	2000	SK	Swidnik?	POL?	id	awNL
468	2215	FTZ	Fritzlar	D	id+tone	awNL
473	2050	FHA	Friedrichshafen Löwental	D	id	awNL
474	2000	RZE	Rzeszów / Jasionka	POL	id	awNL
479a	2230	TG	unid	?	id	awNL
480	2230	VIB	Viterbo (Tommaso Fabbri)	I	id	awNL
482	2240	SWH	Schwäbisch Hall	D	id	awNL
485	2220	IA	Indija	YUG	id+tone	awNL
488	2215	ILM	Illesheim (US Army)	D	id	awNL
490	2240	KO	Koshany	UKR	id	awNL
490	2050	DVI	Donaueschingen	D	id	awNL
492	2240	TBV	Moravska Trebova	CZE	id	awNL
507a	2230	MI	unid	?	id	awNL
518	2240	TM	Tomakovka	UKR	id	awNL
525	2220	HG	wroclaw	POL	id	awNL

## F I X E D

6758	1508	MKL	RAF Pitreavie Castle	G	cw-DE MKL MKL=GI04=	zeTC
3705	0535	OEH91	Red Cross Vorarlberg	AUT	QSO (AUT Contest of May 1)	egCH
13983,5	2037	AIR-2	Edwards AFB, CA	USA	ID (Armed Forces Day/AFD)	egCH
13993	0045	AAZ	Ft Huachuca, AZ	USA	QSO, ID (AFD)	egCH
14438,5	2103	WDE	Wilmington, DE	USA	QSO (AFD)	egCH
14467	2112	NAV-4	Great Lakes, IL	USA	QSO, ID (AFD)	egCH
14484	2156	WUG231	Marianna, Arkansas	USA	USB CQ (AFD)	egCH
28202,4	1608	ZS1J/B	PB Plettenberg Bay	AFS	cw Ids	egCH
28205	1802	S55ZRS	PB Mt. Kum	SVN	cw ID + dash	egCH
28274,6	1612	ZS1LA	PB Pretoria	AFS	cw IDs	egCH

## M A R I T I M E

2182	2125		Brixham CG	G	ID, calling vessel	egCH
6465,5	2000	ROD9	Murmansk R.	RUS	cw-cq, tfc list	dmRU
8168	1947		Volgoneft-153	RUS	usb-wkg Astrakhan	dmRU
8417	1928	ZLA	Awanui R.	NZL	cw-id + sitor	dmRU
8450	1700	5AB	Benghazi R.	LBY	cw-v/cq mkr	pcG
8597	1642	HEC	Berne R.	SUI	SITOR/A tlx/cw mkr	pcG
8650	0310	SPE	Szczecin Radio	POL	cw-de spe 42/61 qsx	pt53
8650	1634	SPE42	Szczecin R.	POL	cw-de mkr	pcG
8670	0302	IAR8	Roma Radio	I	cw-vvv de iar	pt53
8682	0255	J2A8	Djibouti Radio	DJI	cw-vvv cq de j2a8	pt53
8682	1622	J2A	Djibouti R.	DJI	cw-cq	dmRU
8686	0244	IRM	Roma Medico Radio	I	cw-vvv mrk	pt53
8698	1630	7TF6	Boufarik R.	ALG	cw-cq mkr	pcG
8788	0001	SPH	Gdynia Radio	POL	USB, POL, wkg Vessel	pt53
10355	2110	4XZ	Ny Haifa	ISR	cw-v mkr	pcG
12584,5	1317	CBV	Playa Ancha R.	CHL	cw-id + sitor	dmRU
12585	1640	NRV	USCG CAMSLANT Agana	GUM	cw-id + sitor	dmRU
12589	1038	NMO	USCG CAMSLANT Honolulu	HWA	cw-id + sitor	dmRU
12590,5	1045	RRR34	UNID	?	cw-id + sitor	dmRU

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12629	1627	KHF	Guam R.	GUM	cw-id + sitor	dmRU
12735	2100	URL	Sevastopol R.	UKR	cw-cq mkr	pcG
12736	2103	LSD836	B Aires R.	ARG	SITOR/A tlx/cw mkr	pcG
12771	1235	7TF8	Boufarik R.	ALG	cw-cq mkr	pcG
12808,5	1720	VTG7	Ny Mumbai	IND	cw-cont 5lgs	pcG
12841,5	2045	9MB5	Ny Georgetown	MLA	cw-v mkr	pcG
12843	1645	HLO	Seoul R.	KOR	cw-cq mkr	pcG
13011	1930	AQP6	Ny Karachi	PAK	cw-v mkr	pcG
13015,5	1210	IAR	Rome R.	I	cw-v mkr	pcG
13022	1240	SPB63	Szczecin R.	POL	SITOR/A cw/tlx mkr	pcG
13063,5	2123	VIE	Darwin R.	AUS	cw-id + sitor	dmRU
14648	1720	4XZ	Ny Haifa	ISR	cw-v mkr	pcG
16807,5	1804	ZLA	Awanui Globe R.	NZL	sitor + cw-id	zeTC
16811	0745	CBV	Playa Ancha R.	CHL	sitor + cw-id	zeTC
16812,5	1817	NRV	USCG Agana	GUM	sitor + cw-id	zeTC
16811,5	1515	A9M	Hamala R.	BHR	SITOR/A tlx/cw mkr	pcG
16812,5	1518	NRV	Guam USCG	GUM	SITOR/A tlx/cw mkr	pcG
16813	1521	UAT	Moscow R.	RUS	SITOR/A cw/tlx mkr	pcG
16816,5	1412	NMC	USCG CAMSLANT Pt Reyes	USA	cw-id + sitor	dmRU
16817,5	1322	KPH	San Francisco R.	USA	cw-id + sitor	dmRU
16869	1826	KHF	Guam Globe R.	GUM	sitor + cw-id	zeTC
16920	1402	UVQ9	UNID	?	cw-urqp de uvq9 16746	pcG
16932	1830	7TF10	Boufarik R.	ALG	cw-cq mkr	pcG
17020	1703	HLJ	Seoul R.	KOR	cw-cq mkr	pcG
17021,5	1400	TAH	Istanbul R.	TUR	cw-de mkr	pcG
17147	1335	URL	Sevastopol R.	UKR	cw-cq mkr	pcG
17155,4	0324	8PO	Barbados R.	BRB	cw-id + sitor	dmRU
17155,5	0820	8PO	Barbados R.	BRB	sitor + cw-id	zeTC
17341	1659	HLS	Seoul R.	KOR	usb, melody marker	zeTC
17206,1	1230	IAR	Rome R.	I	cw-v mkr	pcG
17211,4	1347	KFS	Palo Alto R.	USA	cw-id + sitor	dmRU
17236,4	1235	UIW	Kaliningrad R.	KAL	cw-wkg tfc	pcG
17398	1703	XSQ	Guangzhou R.	CHN	usb, CH r/t tfc, YL-ID	zeTC

## A E R O (Ground - stations)

5616	2148		Shanwick Aero	G	usb,E,wkg Reach DT2	pt53
5658	2222		Kabul Aero	AFG	usb,E,wkg Singapore 24	pt53
5658	2156		Karachi Aero	PAK	usb,E,wkg Alpha 05	pt53
8894	0028		Algier Aero	ALG	usb,E,wkg LH 561	pt53
8894	2320		Kano Aero	NIG	usb,E,wkg Mike Alpha 115	pt53
8894	2322		Niamey Aero	NGR	usb,E,wkg KLM 588	pt53
8903	2145		Ndjamena Aero	TCD	usb,E,wkg KLM 593	pt53
11300	2329		Cairo Aero	EGY	usb,E,wkg Air France	pt53
11300	2332		Tripoli Aero	LYB	usb,E,wkg LH 573	pt53
11300	2332		Khartoum Aero	SDN	usb,E,wkg Air India 117	pt53
11345	1846	SDJ	Stockholm Radio	S	usb,E,wkg Selcall ECLA	pt53
11363	0947	YF	LDOC EasyJet Airlines	G	usb,E,wkg Easy 412	pt53
11363	0948		TAROM Bucuresti	ROU	usb,Roum.,wkg a/c	pt53
13339	0103		LDOC Kenyair Nairobi	KEN	wkg Kenyair 311 (at Dubai)	lrG
17904	0412		Seoul Aero	KOR	wkg Korean 906	lrG
17925	1142		LDOC Saudi Jeddah	ARS	wkg Saudi 801	lrG
17925	0200		LDOC Saudi Bangkok	THA	wkg Saudi 818	lrG
17931	1412		LDOC Falcon Bahrain	BHR	wkg Gulfair a/c	lrG
17931	1705		LDOC LTU Düsseldorf	D	wkg a/c UJ	lrG
17931	1358		LDOC Bucharest	ROU	YL wx	lrG
17931	????		Unid LDOC	?	clg Iberia Madrid	lrG
17932	0958		Unid LDOC	?		lrG
17940	2232		LDOC Houston,TX	USA	wkg a/c over Guayaquil	lrG
17940	2346		LDOC Cedar Rapids	USA	wkg world 1540	lrG
17943	1950		VASP Recife	B	wkg VASP Manaus	lrG
17946	1222		a/c 135	AIR	clg Santa Maria Aero	lrG
17994	1542		Trenton Military	CAN	phone patch to a/c	lrG
21925	0248		San Francisco Aero	TX:HWI	wkg a/c 508	lrG

## A E R O (aircraft)

8903	2336		Springbok 260	AIR	usb,E,clg Tripoli	pt53
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17904	0324	Northwest 17	AIR wkg Tokyo Aero	lrG
17916	1118	Transaer LLG	AIR clg Transaer Dublin,no joy	lrG
17925	0208	Springbok 220	AIR clg Johannesburg, no joy	lrG

## D I G I T A L

3360	1950	RAN71	Kiev Meteo	UKR FAX-90 sfc anal	zeTC
3899,2	2042	RFFVA	FF Paris	F ARQ-M2-200 idling	zeTC
4365	1950	RPJ78	Tashkent Meteo	UZB FAX-60 sfc anal (poor)	zeTC
4524,5	1934	SUU36	Cairo Meteo	EGY FAX-120 air anal (LSB)	zeTC
4616	1928	BMF	Taipei Meteo	TWN FAX-120 vy poor signal	zeTC
4777,5	2302	IMB51	Rome Meteo	I FAX-120 sfc anal Italy	zeTC
5107,9	0137		Moskva Meteo	RUS FAX-120 sfc anal //6889.9	zeTC
5236	1301	FDY	AF Orleans	F ITA2/50/400 le brick+ry testpcG	
5250	1920	BMF	Taipei Meteo	TWN FAX-120 satelitte image	zeTC
5379	1330	FUE	Ny Brest	F ITA2/100/850 cl de fue qsy pcG	
5526,9	1917	BAF6	Beijing Meteo	CHN FAX-120 sfc anal	zeTC
5890	1945	RBV78	Tashkent Meteo	UZB FAX-60 sfc anal	zeTC
6452,5	2002	GYA	DCN Northwood	G FAX-120 gale summary	zeTC
7398	0052	HSW64	Bangkok Meteo	THA FAX-120 sfc anal	zeTC
7859	1954	FDI8	AF Nice	F ITA2/50/400 ryry + le brick pcG	
7998,5	1310	FDG	AF Bordeaux	F ITA2/50/400 le brick+ry testpcG	
7998,5	1528	FDG	AF Bordeaux	F RTTY-50/850 VOYEZ LE BRICK	zeTC
8015	1856	RFF---	FF UNID	? ARQE3/96/400 c,d,v, msgs UCF	
				rffxcfc de rffxcfc	pcG
8427	1703	OXZ	Lyngby R.	DNK SITOR/B danish news	pcG
8439	0821	PBC38	Ny Goeree Is.	HOL ITA2/75/850 freq status mkr	pcG
8453	0843	RFFME	Ny La Regine	F ITA2/75/850 faaa de rffme	pcG
9045	2012	5YE	Nairobi Meteo	KEN FAX-120 air anal	zeTC
9093	1858	RFF---	FF UNID ?	F ARQE3/96/400 c,d,v, msgs UFC	
				favieres de rffxcfc	pcG
9259	1900	RFF---	FF UNID	? ARQE/184,6/400 cont idle	pcG
9340	2311	RCH72	Tashkent Meteo	UZB FAX-60 sfc anal	zeTC
9360	1837	OXT	Copenhagen Meteo	DNK FAX-120 Kap Farvel chart	zeTC
10100,8	0830	DDK9	Hamburg METEO	D ITA2/50/400 cq + ry mkr	pcG
10215	2130	HZN48	Jeddah METEO	ARS ITA2/100/850 cont met	pcG
10496,5	2135	?	UNID DCN	? PICC/? 3ch all idle	pcG
10610,9	0540		Moskva Meteo	RUS FAX-120 analyz AT-300	zeTC
10865	2043	NAM	USNy Norfolk	USA FAX-120 sfc pressure fcst	zeTC
11416,7	1836	RFFVAY	FF Sarajevo	BIH ARQE3/2ch/200/400 FKWA/FKWB	pcG
13530	0653	KAWN	unid	USA RTTY-75/850 BBXX reports	zeTC
13597,4	0756	IMB56	Rome Meteo	I FAX-120 upper air fcst	zeTC
13870	1902	FDI8	AF Nice	F RTTY-50/850 QND TEST DE	zeTC
13885,9	0545		Moskva Meteo	RUS FAX-120 analyz AT-300	zeTC
13986,7	0649	RFLI	FF Fort de France	MRT ARQ-E3-192 idling	zeTC
14959,7	1710	RFTJ	FF Dakar	SEN ARQE3/192/400 TJI to LIJ	pcG
15781	1922	AFS	AWS Offut AFB	USA FAX-120 KGWC text (LSB)	zeTC
15781	1942	AFS	AWS Offut AFB	USA FAX-120 globe view (USB)	zeTC
15946,5	1856	EAE220	MFA Madrid	E SITOR-A NNN+++QSL DE STOS	zeTC
16135	0607	KVM70	Honolulu Meteo	HWI FAX-120 sfc anal Pacific	zeTC
16166,4	1528		Arkhangelsk Meteo	RUS FAX-120 sfc anal	zeTC
16806,5	1503	NMC	USCG PT. Reyes	USA SITOR-B cq de NMC/NRV test	zeTC
16833,5	1530	UIW	Kaliningrad R.	KAL ITA2/50/170 short ryry test	pcG
17024	0850	SAB83	Goteborg R.	S SITOR/A msg to ship	pcG
17180	1220	RFFME	Ny La Regine	F ITA2/75/850 ry testing	pcG
17445,6	2020	5YE3	Nairobi Meteo	KEN FAX-120 upper air anal	zeTC
18254	1400	SUU	Cairo METEO	EGY ITA2/100/850 cont met msgs	pcG
18320,8	1412	RFTJ	FF Dakar	SEN ARQE3/192/400 TJD to Librev.	pcG
18435,7	1431	RFFVAE	FF Dharan	ARS ARQE3/200/400 idle	pcG
18554,7	1032	V5G	MFA Bucuresti	ROU ROU-FEC-164.5 V5G msg nr235	zeTC
19101,7	0856	RFLI	FF Fort de France	MRT ARQ-E3-192 controle du voiezeTC	
19850	1038	V5G	MFA Bucuresti	ROU ROU-FEC-164.5 circulara-E6/	zeTC
22542	0740	JJC	KYODO Tokyo-Nazaki	J FAX-60 J Newspaper txt	zeTC

## T I M E S I G N A L

3330	0305	CHU	TS Ottawa	CAN CW-USB,TS/TA	pt53
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EUNL2000  
Q S L - R E V I E W

ITU Station	days	rvcd/gvn	QRG	Call	Power	name
ALG-Alger R.	44	ppc,lt	2182	7TA	2000 w	egCH
ARS-Ras Tanura R.	17	f/d cd	16960	HZY		lrG
AUT-NDB Gleichenberg	9	f/d cd,l (via c/a)	426	`GBG`	100 w	egCH
AUT-NDB Kuthai	7	f/d cd (via Innsbruck)	413	`KTI`	200 w	egCH
AUT-Red Cross Vorarlberg	14	f/d cd	3703	OEH91	100 w	egCH
CAN-Labrador CG	38	f/d l	2598	VOK		egCH
CAN-PB Austin,Manitoba	15	f/d cd,i	28193	VE4ARM/B		egCH
CAN-PB Pitt Meadows,BC	17	f/d cd,l	28197	VE7MTY/BCN	25 w	egCH
CPV-Sal Aero	22	f/d l (RR in Port.)	8861	D4B		egCH
CZE-LDOC CSA Praha	175	PPC/vc,IRC	10027		1000 w	pt53
D -NDB Berlin/Helmholtz	35	f/d QSL-lt,ms back/ms	347	`DBR`	100 w	zeTC
CZE-NDB Nyrany	83	f/d lt	398	`D`		lrG
F -CROSS Jobourg	14	f/d l, sti	2182		400 w	egCH
F -CROSS Jobourg	13	f/d lt	VHF 156,65			lrG
F -NDB Albi	15	f/d lt,touri-i f/up	323	`AB`		lrG
FAR-NDB Akraberg	69	f/d lt/ms f/up	381	`AB`		lrG
FIN-NDB Heka	66	f/d lt via cen-ads	344	`HEK`		lrG
G -Clyde CG	13	f/d l,i,video cassette	2182		750 w	egCH
G -Dover CG	51	lt,i	2182		250 w	egCH
G -Jersey R.	9	f/d lt	VHF 161,72	GUD		lrG
G -Milford Haven CG	7	(f/up) lt,i	2182/1767		250 w	egCH
G -NDB Wolverhampton	4	p/d lt,i	356	`WBA`		lrG
G -NDB Talla	99	f/d lt	363	`TLA`		lrG
G -NDB Bournemouth	10	f/d lt	339	`BIA`		lrG
G -Portland CG	7	f/d lt/sae	VHF 156,5			lrG
G -Solent CG	10	l,i	1641		250 w	egCH
G -Stornoway CG	13	f/d lt,i	1743			egCH
G -Swansea CG	8	lt,i	2182			egCH
G -Tyne Tees CG	10	f/d lt,i	2182		750 w	egCH
GRC-Kerkyra R.	30	f/d cd via Athinai	518	SVK	750 w	zeTC
HND-NDB Tegucigalpa	37	ppc,lt,info(hrd in MEX)	355	`TGU`	300 w	ai46
HOL-NDB Rotterdam	102	f/d lt	369	`RS`	50 w	lrG
HOL-NDB Rotterdam	102	f/d lt	404,5	`RR`	50 w	lrG
I -MRSC Ravenna	59	PPC/vc,IRC	6815	ICI08	150 w	pt53
USA-NDB Pickens,FL	45	ppc,lt,vc (hrd in MEX)	326	`PKZ`	400 w	ai46
IRL-NDB Gormanston	83	p/d lt	334	`GMN`		lrG
IRL-NDB Waterford	9	ppc/sase via cen-ads	368	`WTD`		lrG
J -Misaki Fishery R.	14	f/d cd,lt,i	12832.5	JFC	2000w	egCH
J -Miyagiken Fisheries	R17	ppc,lt	12858	JFF	2000 w	egCH
J -Muroto Fishery R	27	ppc	12811.5	JFM	1000 w	egCH
LUX-NDB Leudelange	7	f/d l	346	`WLU`	100 w	egCH
MAU-Mauritius R.	28	(f/up) f/d lt	8554	3BM	1000 w	egCH
NZL-Auckland VOLMET	28	f/d lt	13282		5000 w	egCH
POL-NDB Katowice	28	f/d lt	285	`PT`	200 w	lrG
POR-NDB Caparica	85	f/d lt	389	`CP`	500 w	lrG
S -Tingstade R	70	p/d cd,ppc,l	2768	SAE		egCH
USA-PB Hurricane,UT	22	f/d cd,i	28288	WA7LNV/Beacon	5 w	egCH
USA-PB Lexington,OH	20	lt, certificate	28260	WB8KRN/B	3 w	egCH
USA-PB Marysville,WA	16	f/d cd	28225	KW7Y/B	5 w	egCH
USA-PB Parma,OH	171	(f/up) cd,i	28240	AB8Z/Beacon	5 w	egCH
USA-TS Ft. Collins	43	f/d cd	20000	WVW		lrG
UZB-Tashkent Volmet	80	f/d cd/IRC	10090			lrG

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard, cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, sae=self addressed envelope, f=folder, f/d full detailed, USD=US Dollar, c/a=central address, Lfb=Lifboat

Membership and money corner:

Addresses/Infos/Veri-signers:

Here an info from pt53 concerning KAWN. He mailed to Scott AFB and got a reply:

EUNL2000

"The 1918th has not existed at Scott AFB since 1976 when it was inactivated in favor of the 1974th, a SEAsia-decorated unit. There are no such listing kept at Scott AFB. KAWN, according to a National weather Service listing on the web, is out of Tinker AFB, Okla. I recommend you contact either the Air Force weather Agency (<http://afw.offutt.af.mil/>) at Omaha, Neb., or the National weather Service (<http://www.nws.noaa.gov/>). Good luck.

Praha Radio Aero: CSA): Rizeni Letoveho Provozu, PU/LTS, Letiste Praha Ruzyne, 16008 Praha 6 (pt53).  
MRSC Ravenna/ICI 08: M.R.S.C. Ravenna; Capitaneria di Porti, Via Antico Squero 6, I-48100 Ravenna (pt53)  
PB Austin,Manitoba/VE4ARM/B: MARM, 25 Queens Crescent, Brandon, Manitoba, Canada R7B 1G1 (egCH)  
PB Pitt Meadows, BC/VE7MTY/BCN: Martin Hill, 19696 115 Ave., Pitt Madows, BC V3Y 1P1, Canada (egCH)  
Sal Aero/D4B: Servico de Comunicacoes, ASA-EP, Espargos, Ilha do Sal, Cabo Verde (egCH)  
PB Hurricane,UT/WA7LNW/Beacon: Jack Reed,39 South Main, Hurricane, UT 84737, USA (egCH)  
PB Marysville,WA/KW7Y/B: Paul Baldock,5321 92nd St.NE, Marysville, WA 98270, USA (egCH)  
PB Parma,OH/AB8Z/Beacon: John C. Thomas, 7911 Dartworth Dr.,Parma,OH 44129-3929, USA (egCH)  
Auckland VOLMET: Airways Corporation of New Zealand Ltd., PO Box 53-093, Auckland, New Zealand (egCH)  
NDB Katowice/PT: Katowice Pyrzowice Airport, P.O. Box 188, PL-42 600 Tarnowskie Gory (lrg) (v/s: Bartlomiej Jadczyk)(lrg)  
NDB Gormanston/GMN: Signals workshop, C.I.S. Gormanston, Co Meath (lrg) (phone: 01 8412012, Fax: 01 8412537)(v/s: Kevin Tiernan)(lrg)  
NDB Wolverhampton/WBA: Castle Electronics, Unit 20, Wolverhampton Business Airport, Bobbington, nr Stourbridge, west Midlands, DY7 5DY (lrg)(phone: 01384 221036 Fax: 01384 221037)(v/s: J. Taylor)(lrg)  
NDB Albi/AB: Chambre de Commerce et D'Industrie D'Albi-Carmaux-Gaillac, 14 Rue Timbal, F- 81012 Albi CEDEX 9 (lrg)(v/s: Gilles Laurens)(lrg)  
NDB Akraberg/AB: Farvandsvaesenet, Faeroernes Fyrdistrikt, FO 470, Eioi (lrg)(e-mail: loran-c@post.oliovant.fo)(lrg)  
NDB Caparica/CP: DETPRO, Rua D'Edificio 121, Aeroporto de Lisboa, P-1700-008, Lisboa or AP 8223, P-1803-001, Lisboa (lrg)(v/s: Carlos Monteiro)(lrg)  
Ras Tanura R./HZY: Computer and Communications Systems Dept., Radio Operations Unit, Bldg. 840, P.O.Box 96 (lrg)(v/s: K.A. Alhamdan, Supervisor)(lrg)  
Jersey R./GUD: Communications Services, Dept. Of Electronics, Jerrey Airport, Jersey JE1 1BY (lrg)

That great work was made by our (8) ute freaks: awNL (welcome, Aren!), zeTC, pt53, egCH, lrg, dmRU(excelent log format, same as I use! Many tnx Dmitri!,ed), pcG, ai46  
gd dx + 73`s, until next month (c)  
Andreas

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EUROPEAN UTILITY NEWSLETTER 8/9-2000

\*\*\*\*\*  
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## EUNL2000

\* Deadline: 20th of the month!!! \*

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Hi everyone,

welcome back after the summerbreak!

The EUNL Callsign-List is now updated (11.500 callsigns) and available as a \*.zip file in plain ASCII. I assume this is more useful for you. Ladies and Gentlemen: It was a huge work to compile it but this list is free. Just a plea from my side: If you have new callsigns or corrections, please e-mail me a short line. That is all I ask for. Many thanks for cooperation.

Also available: A list of italian navy ships (supplied by `Sir Francis Drake`, who wishes to remain anonymous). Many thanks indeed, Sir Francis!!! Please surf to our EUNL-Homepage and click on the link >callsign<. Both lists can be found there.

And last but not least: Hans-Peter has compiled a new address-list!

## N D B

277	1933	CHT	Chiltren	G	id	abNL
284,5	1458	DY	Duesseldorf	D	id	abNL
290	1455	ONL	Liege	BEL	id	abNL
290	2215	IF	Ivano-Frankovsk	UKR	id	zeTC
290,5	2147	VI	Cabo Villano	E	id+dash	abNL
292	2334	MH	Mahon Lt./Menorca	E	id + tone	zeTC
293	1453	OB	Brussel	BEL	id+tone	abNL
294	0050	TEST	UNID	?	TEST	zeTC
301	0146	RTN	Romorantin	F	id + tone	zeTC
302	2018	NIK	Niksic	YUG	id + tone	zeTC
302	2019	KO	Rijeka/Kosterna	HRV	id	zeTC
303,5	2302	OR	Punta del Llobregat	E	id + tone	zeTC+ai46
307	2125	DIK	Diekirch	LUX	id	pt53
307,5	2313	RS	Ristna	EST	id + tone	ai46
307,5	0203	PA	Palma de Mallorca	E	id	zeTC
309	1459	WW	Antwerpen	BEL	id	abNL
309	0148	MW	Berlin-Schönefeld	D	id	pt53
309,5	2323	BA	Pta Estaca de Bares	Lth E	id + tone	abNL+pt53+ai46
310	0206	IP	Isola di Pietro Lt.	I	id + tone	pt53+zeTC
311	0010	LMA	Lima	D	id	pt53
314	1503	OZ	Brussel	BEL	id	abNL
315	0723	STK	Stadskanaal	HOL	id	abNL
316	1504	PH	Eindhoven	HOL	id	abNL
317	1813	VS	Valenciennes	F	id+tone	abNL
317	2158	OZ	Kardla	EST	id	abNL
318	2140	LE	Luxembourg	LUX	id	abNL
319	1844	VAR	Stavanger	NOR	id	abNL
326	1533	LLS	Lelystad	HOL	id	abNL
326	2057	GRE	Grenchen	SUI	id	zeTC
326	2205	YW	DUC Tyra West TW-B	IW	id + tone	zeTC
326	2208	LLS	Lelystad	HOL	id	zeTC
327	1719	MVC	Merville	F	id+tone	abNL
327	2014	LV	Köln/Bonn	D	id	pt53
330	0725	SO	Eelde/Groningen	HOL	id	abNL
331	2013	NMN	Mendig	D	id + 2 tones	pt53
332	1526	LL	Lille	F	id+tone	abNL
332	1552	NV	Nieuwkoop	HOL	id	abNL
333	1505	ONC	Charleroi	BEL	id	abNL
333	1859	SHO	Shell/Esso Seam A-PP	IW	id	abNL
336,5	1505	NIK	Nicky	BEL	id+tone	abNL
337	2017	ZL	Maastricht	HOL	id	pt53
338	2016	RUD	Ruedesheim	D	id + tones	pt53
341	2019	LAU	Lichtenau	D	id	pt53
342	0728	GG	Groningen	HOL	id	abNL
342	0019	GG	Eelde/Groningen	HOL	id	zeTC
346	1728	LHO	Le Havre	F	id	abNL
346	1819	WLU	Luxembourg	LUX	id	abNL

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347	0658	CVT	Chalons/Vatry	F	id+tone	zeTC+abNL
348,5	1505	LG	Liege	BEL	id	abNL
350,5	2328	ROT	Rotterdam	HOL	id	zeTC
351	2136	CST	Costix/Mallorca	E	id	zeTC
352	2140	NEW	Newcastle	G	id	zeTC
352,5	1731	DD	Oostende	BEL	id	abNL
353	2345	SB	St. Briec	F	id + tone	zeTC
353,5	2342	EME	East Midlands	G	id	zeTC
355	2334	PIK	Prestwick	G	id	ai46
355	1734	ONW	Deurne	BEL	id+tone	abNL
356	2149	RSY	Paris/Ch.de Gaulle	F	id	zeTC
356	2218	BGS	Burgas	BUL	id	zeTC
357	0731	VZ	Eelde/Groningen	HOL	id	abNL
360	2344	ELB	Elba	I	id	zeTC
360,5	1545	MAK	Mackel	BEL	id+tone	abNL
363,5	2054	BRD	Brindisi	I	id	abNL
365	0210	LJ	Koeln-Bonn North	D	id	pt53
365	0008	SAT	Satu Mare	ROU	id	zeTC
365,5	1538	BC	Brasschaat	BEL	id	zeTC+abNL
368,5	0208	ELU	Luxembourg	LUX	id	pt53
368,5	0012	WHI	Whitegate	G	id	zeTC
369	1511	PS	Heenvliet	HOL	id	abNL
370	0020	CGZ	Paris/Ch.de Gaulle	F	id	zeTC
371,5	1510	NH	Norwich	G	id	abNL
372	2310	NDO	Nordholtz	D	id + tone	zeTC
373	2256	NW	Maastricht	HOL	id	abNL+pt53
375	1823	TR	Phillips Tor E	IW	id	abNL
375	2233	FR	Pori	FIN	id	zeTC
376	1736	WP	Muiden	HOL	id	abNL
377	1919	MGB	Monchengladbach	D	id+tone	abNL
379	1922	CZ	Charlesville	F	id+tone	abNL
379	1927	ND	North Denco	G	id	abNL
380	2132	KA	Tirana	ALB	id	pt53+abNL
380	0042	BRI	Bristol	G	id	zeTC
380	2325	FLB	Flensburg	D	id	zeTC
381	0225	AB	Akraberg	FAR	id	pt53
383	0213	SHD	Scotstown Head	G	id	pt53
383,5	2254	GUL	Gulpen	HOL	id	pt53
384	0055	ADX	Andraitx/Mallorca	E	id	zeTC
385,5	0058	KDN	Tunis/Khereddine	TUN	id	zeTC
386	1737	STD	Stad-aan-het-Haringv.	HOL	id	abNL
386	0112	BZ(e)	Brize Norton	G	id + dot	zeTC
387	2254	CML	Clonmel	IRL	id	zeTC
388	2301	KRU	Kokola/kruunuppy	FIN	id	zeTC
388,5	1738	CH	Buiten-Kaag	HOL	id	zeTC+abNL
390	2322	JEV	Jever	D	id + tone	zeTC
391	0642	BV	Beauvais	F	id	abNL
392	2204	GDY	Godby/Mariehamn	FIN	id	ai46
392	2228	RW	Berlin-Tegel	D	id	pt53
393	1738	DEN	Dender	BEL	id+tone	abNL
395	1740	OA	Assendelft	HOL	id	abNL
397	1740	EHN	Eindhoven	HOL	id	abNL
398	2215	PEO	Peola	S	id	ai46
399	2219	FM	Trollhattan	S	id	ai46
399	2130	N	Bucuresti/Otoperni	ROU	id	zeTC
399,5	1741	ONO	Oostende	BEL	id+tone	abNL
402	2350	TH	Toersby	S	id	zeTC
402	2105	NAM	L15-FA1 platform	IW	id	abNL
403	1830	OP	Brussel	BEL	id	abNL
404	2232	NL	Nolsoe	FAR	id	ai46
404	2125	LRD	Lerida	E	id	abNL
404	0044	LW	Luxembourg	LUX	id	abNL+pt53
404,5	1742	RR	Rotterdam	HOL	id	abNL
406,5	1542	BOT	Bottrop	D	id	pt53+abNL
408	1950	BRK	wien/Schwechat/Bruck	AUT	id	pt53
408	0250	CHI	Chioggia	I	id	pt53
409	2216	NCS	Nago Cserkesz	HNG	id	abNL
412	2129	GRN	Gerona	E	id	abNL

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413	0248	KTI	Innsbruck/Kuehtai	AUT	id	pt53
417	1927	LI	Duesseldorf	D	id	abNL
418	1744	MK	Calais	F	id+tone	abNL
420	1755	LGS	Conoco Loggs PA	IW	id	abNL
420	0042	INN	Innsbruck/Igls	AUT	id	pt53
420	0220	BAZ	Bayreuth	D	id	pt53
421	2109	BUR	Burnham	G	id	abNL
423	1836	IDL	Cranwell	G	id (not CWL???,ed)	abNL
424	1835	ZU	Markham platform	IW	id	abNL
424	2220	PIS	Pisarovina	HRV	id+tone	abNL
426	1912	HWQ	Hewett A platform	IW	id	abNL
429	1916	SSD	Stansted	G	id	abNL
431	1747	ONT	Kleine Brogel	BEL	id+tone	abNL
434	1527	THN	Thorn	HOL	id	abNL
436	2226	BR	unid	?	id	abNL
438	0010	TEST	UNID	?	TEST	zeTC
452	2233	ANS	Ansbach	D	id	pt53
473	0226	FHA	Friedrichshafen	D	id	pt53
517	2217	ARD	Arad	ROU	id	abNL

## F I X E D

6765	1841	HSW69	Bangkok Meteo	THA	usb-melody marker Thai wx	zeTC
6815	0640		Rescue IMA	I	wkg ICI01	ai46
6815	0623	ICI11	MRSC Catania	I	r/check w/ ICI	ai46
6815	0623	ICI12	MRSC Palermo	I	r/check w/ ICI	ai46
6817,5	2032	FDG	AF Bordeaux	F	cw-vvv de fdg	pt53
6825	0934	FAV22	Army Mont-Valerien	F	cw-txt cq, out	pt53
7572,5	2031	FDC	AF Metz	F	cw-vvv	pt53
12156	2040	XPH	Polytone station	RUS	AM msg	abNL
13438	2020	XPH	Polytone station	RUS	AM msg	abNL

## M A R I T I M E

443	2116	9HD	Malta Radio	MLT	cw-navigation warnings	zeTC
444	1948	IDC	Cagliari R.	I	cw nav wngs	abNL
447	1954	ICB	Genova R.	I	cw nav wngs	abNL
500	2011	IAR	Roma Radio	I	cw vy weak, only read c/s	abNL
511,5	2116	IPN	Ancona R. (tent. no id)	I	cw wx for Italian waters	abNL
514,5	2125	IPB	Bari R.(tent.,no id)	I	cw tfc list	abNL
521,5	1930	IAR25	Roma R.	I	cw weather	abNL
2182	2034	OXZ	Lyngby Radio	DNK	USB,E,wkg Holstein DKHD	pt53
4277	1901	USO	Izmail R.	UKR	cw-clg 4kI mkr	pcG
4331	1915	4XZ	Ny Haifa	ISR	cw-vvv	pt53
6386,5	1903	USO	Izmail R.	UKR	cw-clg 4kI mkr	pcG
7863,5	1302	SPW	Warsaw R.	POL	cw-de spw qsx	pt53
8418	2216	LSD836	Argentina R.	ARG	cw-1sd 836 + SITOR	pt53
8418	2217	IAR	Rome R.	I	cw-iar + SITOR	pt53
8419	0056	WLO	Mobile R.,AL	USA	cw-wlo + SITOR	pt53
8420,5	2220	HEC18	Bern R.	SUI	cw-hec + SITOR	pt53
8420,5	2222	9VG78	Singapore R.	SNG	cw-9VG + SITOR	pt53
8421	0101	WLO	Mobile R.,AL	USA	cw-wlo + SITOR	pt53
8421,5	2224	9AR	Rijeka R.	HRV	cw-9ar + SITOR	pt53
8423	2229	ESA	Tallinn R.	EST	cw-de esa + SITOR	pt53
8423	2227	SVT4	Athinai R.	GRC	cw-de svt + SITOR	pt53
8424	2230	SVT	Athinai R.	GRC	cw-de svt + SITOR	pt53
8424	1648	UDK2	Murmansk R.	RUS	cw-de udk2	pt53
8425	2235	CBV	Playa Ancha R.	CHL	cw-cbv + SITOR	pt53
8425,5	2231	HEC28	Bern R.	SUI	cw-hec + SITOR	pt53
8426,5	2236	VCT	Tors Cove R.	CAN	cw-vct/wcc + SITOR	pt53
8427	2237	OXZ	Lyngby R.	DNK	cw-oxzo + SITOR	pt53
8427,5	2238	A9M	Bahrain R.	BHR	cw-de a9m t1x + SITOR	pt53
8430	2242		UNID	?	cw-rrr34 + SITOR	pt53
8431	2240	TAH	Istanbul R.	TUR	cw-tah + SITOR	pt53
8431,5	2242	UAT	Moscow R.	RUS	cw-de uat + SITOR	pt53
8431,5	2244	ZSC	Capetown R.	AFS	cw-zsc + SITOR	pt53
8432,5	2248	UFN	Novorossiisk R.	RUS	cw-ufn + SITOR	pt53
8433	2246	8PO	Barbados R.	BRB	cw-8po + SITOR	pt53

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8433	1817	XSG	Shanghai R.	CHN cw-xsg + SITOR	pt53
8433	1653	UAT	Moscow R.	RUS cw-de uat + SITOR	pt53
8434	2308	UFC	Nakhodka R.	RUS cw-ufc + SITOR	pt53
8434	2307	TAH	Istanbul R.	TUR cw-tah + SITOR	pt53
8434,5	1236	OST	Oostende R.	BEL cw-marker	abNL
8434,5	2309	SAB437	Göteborg R.	S cw-sab + SITOR	pt53
8435	2313	VCT	Tors Cove R.	CAN cw-vct + SITOR	pt53
8435,5	1235	SPE42	Szcezin R.	POL cw-QSX marker	abNL
8435,5	2311	OST40	Oostende R.	BEL cw-ost + SITOR	pt53
8437	2315	4XZ	Ny Haifa	ISR cw-vvv de 4XZ	pt53
8437,5	2316	UIW	Kaliningrad R.	KAL cw-de uiw kld + SITOR	pt53
8448	2318	A9M	Bahrain R.	BHR cw-cq	pt53
8450	1632	5AB	Benghazi R.	LBY cw-vvv cq	pt53
8455	2002	UVA	Gelendzhik R.	RUS cw-cq + qsw + tfc list	pcG
8573	0043	CLA21	Havana R.	CUB cw-cq qsx	pt53
8574	0035	LGB	Rogaland R.	NOR cw-cq de lgw lgb lgj lgx qs	pt53
8574	1927	LGB	Rogaland R.	NOR cw-cq mkr	pcG
8586	1904	USO	Izmail R.	UKR cw-clg 4KI mkr	pcG
8597	0032	HEC	Bern R.	SUI cw-hec + SITOR	pt53
8600	2052	XSV	Tjianjin R.	CHN cw-de xsv	pt53
8605	1701	UIW	Kaliningrad R.	KAL cw-cq, mrk	pt53
8605	2200	UIW	Kaliningrad R.	KAL cw-cq call	pcG
8610	2050	UCE5	Arkhangelsk R.	RUS cw-de uce5	pt53
8617	2049	XSV	Tianjin R.	CHN cw-xsv + SITOR	pt53
8624	2052	XSQ	Guangzhou Radio	CHN cw-cq	pt53
8634	2210	VTG6	Mumbai	IND cw-v mkr	pcG
8646	2055	VTP 6	Ny Vishakhapatnam	IND cw-vvv de vtp 4/6/7	pt53
8650	0017	SPW	Szczecin R.	POL cw-de spw 42/61 qsx	pt53
8658	2330	IAR	Roma R.	I cw-vvv de iar, mrk	pt53
8662	2329	TAH	Istanbul R.	TUR cw-cq de tah	pt53
8670	2328	IAR	Roma R.	I cw-vvv de iar, mrk	pt53
8670	2057	IAR 8	Roma Radio	I cw-vvv de iar	pt53
8674,4	2321	VWM	Madras R.	IND cw-cq qsx	pt53
8675	2326	VCS	Halifax CG	CAN cw-vcs + SITOR	pt53
8682	1841	J2A8	Djibouti R.	DJI cw-cq de J2A/J2A8 QSX	pt53+ai46
8683,5	2044	LFI	Rogaland R.	NOR cw-lfi + SITOR	pt53
8686	2315	IRM	Roma Medici R.	I cw-vvv mrk	pt53
8691	1944	XST	Qingdao R.	CHN cw-cq qru?	pt53
8694	2106	XSZ	Dalian R.	CHN cw-cq	pt53
8698	2039	7TF6	Boufarik R.	ALG cw-cq qsx	pt53
8740	2304	OXZ	Lyngby Radio	DNK USB,E,no traffic	pt53
8743	2150		Bangkok Met. Radio	THA USB,E/Vn,ID,QRGs,wx	pt53
8746	2212	LZW	Varna Radio	BUL USB,E,tfc-list	pt53
8749	2308	LFL7	Rogaland Radio	NOR USB,E/norw.,wx,ID	pt53
8764	2332	NMN	USCG Camslant	USA USB,E,wx,ID	pt53
8788	2323	SPH	Gdynia Radio	POL USB,POL,wkg Vessel	pt53
8788	0111	WLO	Mobile Radio AL	USA USB,E,wx,ID	pt53
4231,5	2001	UVA	Gelendzhik R.	RUS cw-cq + qsw + tfc list	pcG
10341	0902	HEC	Bern R.	SUI cw-hec + SITOR	pt53
10341	1039	HEC	Berne R.	SUI cw-marker	abNL
12579,5	1745	9VG80	Singapore R.	SNG cw-9vg + SITOR	pt53
12579,5	1946	9VG80	Singapore R.	SNG SITOR/A tlx/cw-mkr	pcG
12581	2158	LSD836	Argentina R.	ARG cw-bsd 836 + SITOR	pt53
12581	2120	LSD836	Buenos Aires R.	ARG SITOR/A tlx/cw-mkr	pcG
12581,5	1805	WLO	Mobile R.	USA SITOR/A tlx/cw-mkr	pcG
12581,5	2159	WLO	Mobile R.	USA cw-wlo + SITOR	pt53
12583,5	2130	CBV	Vapparaiso R.	CHL SITOR/A tlx/cw-mkr	pcG
12585	1747	NRV	USCG Agana	GUM cw-nrv + SITOR	pt53
12585,5	1748	VRX63	Hongkong R.	CHN cw-vrx + SITOR	pt53
12585,5	2136	VRX	Hong Kong R.	HKG SITOR/A tlx/cw-mkr	pcG
12586,5	1810	WLO	Mobile R.	USA SITOR/A tlx/cw-mkr	pcG
12587	1131	LZW	Varna R.	BUL cw-lzw only	pt53
12588	1130	HEC13	Bern R.	SUI cw-hec + SITOR	pt53
12589	1750	NMO	USCG Honolulu	HWI cw-nmo + SITOR	pt53
12592,5	1752	NMN	USCG CAMSLANT	USA cw-nmn + SITOR	pt53
12593	1752	ESA	Tallinn R.	EST cw-de esa + SITOR	pt53
12593	2144	ESA	Tallinn R.	EST SITOR/A cw/tlx mkr	pcG
12594,5	1753	A9M	Bahrain R.	BHR cw-de a9m tlx + SITOR	pt53

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12597,5	1756	UFN	Novorossyisk R.	RUS cw-ufn + SITOR	abNL+pt53
12599,5	1756	UAT	Moskau R.	RUS cw-de uat + SITOR	pt53
12599,5	2045	UAT	Moscow R.	RUS SITOR/A cw/tlx mkr	pcG
12600,5	1838	HEC23	Bern R.	SUI cw-hec + SITOR	pt53
12601,5	1837	OXZ	Lyngby R.	DNK cw-oxz + SITOR	pt53
12602	1847	UFN	Novorossiisk R.	RUS cw-ufn + SITOR	pt53
12602,5	1845	IAR	Rome R.	I cw-de iar + SITOR	pt53
12608	1849	UAT	Moskau R.	RUS cw-de uat +SITOR	pt53
12610,5	1851	VCT	Tors Cove R.	CAN cw-vct + SITOR	pt53
12610,5	2109	VCT	Tors Cove R.	CAN SITOR/A tlx/cw-mkr	pcG
12607,5	0320	WNU	Slidell Radio	USA cw-id + sitor	zeTC
12613	1852	XSQ	Guangzhou R.	CHN cw-xsg + SITOR	pt53
12615	1243	LZW	Varna R.	BUL cw-marker	abNL
12615	2100	USU	Mariupol R.	UKR SITOR/A working UZHD msg	pcG
12615,5	2116	8PO	Bridgetown R.	BRB SITOR/A tlx/cw-mkr	pcG
12616	1840	LZW5	Varna R.	BUL cw-de lzw	pt53
12616	1242	USU	Mariupol R.	UKR cw-marker	abNL
12634,5	1726	TAH	Istanbul R.	TUR cw-tah + SITOR	pt53
12635,5	1727	LZW	Varna R.	BUL cw-de lzw	pt53
12637,5	1856	XSG	Shanghai R.	CHN cw-xsg + SITOR	pt53
12639,5	1857	OST50	Ostende R.	BEL cw-ost + SITOR	pt53
12649,5	1858	XSG	Shanghai R.	CHN cw-xsg + SITOR	pt53
12649,5	2123	XSG	Shanghai R.	CHN SITOR/A tlx/cw-mkr	pcG
12654	1139	TAH	Istanbul R.	TUR cw-tah + SITOR	pt53
12654	1835	TAH	Istanbul R.	TUR SITOR/A tlx/cw-mkr	pcG
12657	1732	UIW	Kaliningrad R.	KAL cw-de uiw klx	pt53
12660	1143	LFI	Rogaland R.	NOR cw-lfi + SITOR	pt53
12673,5	2102	A9M	Bahrain R.	BHR cw-a9m + SITOR	pt53
12676,5	1622	A4M	Oman R.	OMA cw-de a4m	pt53
12678	1145	LFI	Rogaland R.	NOR cw-lfi + SITOR	pt53
12681,5	1253	OST	Ostende R.	BEL cw-ost + SITOR	pt53
12690	1705	UIW	Kaliningrad R.	KAL cw-fast manual tfc	pcG
12695,5	1445	UWS3	Kiew R.	UKR cw-msgs	pt53
12698	1943	SPA	Gdynia R.	POL SITOR/A tlx/cw-mkr	pcG
12700	1720	XSQ4	Guangzhou R.	CHN cw-cq	pt53
12709	1801	A9M	Bahrain R.	BHR cw-de mkr	pcG
12712	2040	HLF	Seoul R.	KOR cw-hlf + SITOR	pt53
12721	1605	SPH61	Gdynia R.	POL cw-de sph 46/61/	pt53
12727,5	1613	LGJ	Rogaland R.	NOR cw cq de lgw lgb lgj lgx	tfpt53
12728	2115	J2A8	Djibouti R.	DJI cw-vvv cq de j2a8 qsx	pt53
12728	1718	XSW	Kao-hsiung R.	TWN cw-cq mrk	pt53
12729	1601	UVA	Gelendzhik R.	RUS cw-cq de uva	pt53
12729	2100	L2B	Buenos Aires Pref. Nav.	ARG cw-cq,navarea	pt53
12729	2000	UVA	Gelendzhik R.	RUS cw-+ qsw + tfc list	pcG
12735	2157	URL	Sevastopol R.	UKR cw-cq	pt53
12735	1855	URL	Sevastopol R.	UKR cw-cq mkr	pcG
12736	2156	LSD836	Argentina R.	ARG cw-lsd 836 + SITOR	pt53
12771	1255	7TF8	Boufarik R.	ALG cw-cq qsx	abNL+pt53
12801	1537	TAH	Istanbul R.	TUR cw-cq qsx	pt53
12801	1806	TAH	Istanbul R.	TUR cw-cq mkr	pcG
12808,7	2019	VTG7	Ny Bombay	IND cw-vvv de vtg 4/6/	pt53
12811,5	1833	JFG	Shizuoka Fishery R.	J cw-cq	ai46
12822	2005	XSV	Tianjin R.	CHN cw-xsv + SITOR	pt53
12832,5	1810	JFC	Misaki fishery R.	J cw-wkf tfc - fast, weak sig	spcG
12856	1619	XSG	Shanghai R.	CHN cw-cq	pt53
12858	1802	JFF	Miyagi Fishery R.	J cw-tfc	ai46
12916,5	1659	HLF	Seoul R.	KOR cw-de hlf qsx	pt53
12939	1449	SPE61	Szczecin R.	POL cw-de spe 42/61	pt53
12942	1810	RLK7	Arkhangelsk Radio	RUS cw-4LY 4LY DE RLK7	zeTC
12943,5	1934	9MG	Georgetown R.	MLA cw-9mg + SITOR	pt53
12943,5	2040	9MG	Penang R.	MLA SITOR/A tlx/cw-mkr	pcG
12965	1905	USO	Izmail R.	UKR cw-clg 4KI mkr	pcG
12966,8	1250	A7D	Doha R.	QAT cw-de a7d	pt53
12968,8	1937	XSV	Tianjin R.	CHN cw-qrz de xsv	pt53
12970	1939	PKX	Jakarta R.	INS cw-cq	pt53
12975,5	1555	9VG	Singapore R.	SNG cw-9vg + SITOR	pt53
12984	1941	4XZ	Ny Haifa	ISR cw-vvv	pt53
13002	1943	HEC	Bern R.	SUI cw-hec + SITOR	pt53



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13002	1322	HEC	Berne R.	SUI	cw-marker	abNL
13010,9	1946	AQP	Ny Karachi	PAK	cw-vvv de aqp 2/4/5	pt53
13015,5	1324	IAR	Roma R.	I	cw-vvv tape	abNL
13015,5	1948	IAR3	Roma R.	I	cw-vvv de iar, mrk	pt53
13033,5	2252	VCS	Halifax Radio	CAN	cw-id + sitor	zeTC
13066,5	2127	VIE	Darwin R.	AUS	cw-vie + SITOR	pt53
13072,4	1444	KFS	Palo Alto R.	USA	cw-kfs + SITOR	pt53
13095	1658	UHY	Murmansk Radio	RUS	usb-R r/t tfc, YL-id	zeTC
13095	1833	BVA	Taipei Radio	TWN	usb-CH r/t tfc, YL-id	zeTC
13098	1844	5BA54	Cyprus R.	CYP	USB, Greek/E, ID, tape	pt53
13104	1546	YQI	Constanta Radio	ROU	usb-Rou r/t tfc ,YL-id	zeTC
13119	1704	S7Q	Mahe Radio	SEY	usb-r/t tfc, E OM-id	zeTC
13138,5	1710	SUK	Quseir Radio	EGY	cw-id + sitor	zeTC
13149	1944	XSQ	Guangzhou Radio	CHN	usb-CH r/t tfc, YL-id	zeTC
13170	0000	SVN59	Athen R.	GRC	USB, E, wkg. MHTU4	pt53
14654,5	1258	SPW	Warsaw R.	POL	cw-de spw qsx	pt53
14695	1405	4XZ	Ny Haifa	ISR	cw-vvv	pt53
16806,5	2109	NMC	USCG CAMSPAC	USA	cw-nmc + SITOR	pt53
16808	2033	SPA81	Gdynia R.	POL	cw-spa only	pt53
16808	1847	SPA	Gdynia R.	POL	SITOR/A cw/tlx mkr	pcG
16808,5	1620	KLB	Seattle R.	USA	SITOR/A tlx/cw-mkr	weak pcG
16809	2112	WLO	Mobile R.	USA	cw-wlo + SITOR	pt53
16811	2034	CBV	Playa Ancha R.	CHL	cw-cbv + SITOR	pt53
16811	2100	CBV	Valparaiso R.	CHL	SITOR/A tlx/cw-mkr	pcG
16811,5	2035	A9M	Bahrain R.	BHR	cw-a9m tlx + SITOR	pt53
16812	2116	CBV	Playa Ancha R.	CHL	cw-cbv + SITOR	pt53
16812	2037	WLO	Mobile R.	USA	cw-wlo + SITOR	pt53
16812,5	1301	NRV	Apra Harbour USCG	GUM	SITOR/A tlx/cw-mkr	pcG
16812,5	2036	NRV	USCG Agana	GUM	cw-nrv + SITOR	pt53
16813	2038	UAT	Moscow R.	RUS	cw-de uat +SITOR	pt53
16813	1245	UAT	Moscow R.	RUS	SITOR/A cw/tlx mkr	pcG
16814,5	2119	CBV	Playa Ancha R.	CHL	cw-cbv + SITOR	pt53
16816,5	2037	NMC	USCG CAMSPAC	USA	cw-nmc + SITOR	pt53
16817	2123	WCC	Chatham R.	USA	cw-wcc + SITOR	pt53
16818,5	2045	9VG96	Singapore R.	SNG	cw-9vg + SITOR	pt53
16819,5	1303	NMN	Portsmouth USCG	USA	SITOR/A tlx/cw-mkr	pcG
16819,5	2021	NMN	USCG CAMSLANT	USA	cw-nmn + SITOR	pt53
16820	1847	IAR	Rome R.	I	SITOR/A tlx/cw-mkr	pcG
16821	2205	VRX83	Hongkong R.	CHN	cw-vrx + SITOR	pt53
16821	1901	VRX	Hong Kong R.	HKG	SITOR/A tlx/cw-+ foxes test	pcG
16821,5	2050	OXZ	Lyngby R.	DNK	cw-oxzo + SITOR	pt53
16825	2056	WCC	Chatham R.	USA	cw-vct/wcc + SITOR	pt53
16826	2055	ESA	Tallinn R.	EST	cw-de esa + SITOR	pt53
16830,5	2100	SVT	Athen R.	GRC	SITOR-B, Greek, nx	pt53
16836	2100	UFL	Vladiwostok R.	RUS	cw-de ufl * SITOR	pt53
16836,5	2058	WLO	Mobile R.	USA	cw-wlo + SITOR	pt53
16838,5	1930	9AR	Rijeka R.	CRT	SITOR/A cw/tlx mkr	pcG
16841,5	2101	8PO	Barbados R.	BRB	cw-8PO + SITOR	pt53
16851,5	2102	SAB	Göteborg R.	S	cw-sab + SITOR	pt53
16869	2104	KHF	Guam R.	GUM	cw-khf + SITOR	pt53
16886	1345	TAH	Istanbul R.	TUR	cw-tah + SITOR	pt53
16903	1530	UIW	Kaliningrad R.	KAL	cw-de uiw kld	pt53
16909,7	1905	USO	Izmail R.	UKR	cw-clg 4KI mkr	pcG
16914,5	2133	SPB83	Szczecin R.	POL	cw-de spb + SITOR	pt53
16926	1531	LFI	Rogaland R.	NOR	cw-lfi + SITOR	pt53
16926	2136	LFI	Rogaland R.	NOR	cw-lfi + SITOR	pt53
16931,7	2135	7TF	Boufarik R.	ALG	cw-cq qsx	pt53
16937,8	1355	VTG8	Ny Bombay	IND	cw-vvv de vtg 4/6/7/8	pt53
16938	1250	VTG8	Ny Mumbai	IND	cw-v mkr	pcG
16960	0956	HZY	Ras Tanura R.	ARS	cw-cq, tfc-list	pt53
16961	2138	CLA	Havana R.	CUB	cw-cq qsx	pt53
16976	2245	LSD836	Argentina R.	ARG	cw-lsd 836 + SITOR	pt53
17020	1254	UDK	Murmansk R.	RUS	cw-fast cq call + wkg tfc	pcG
17021,6	1626	TAH	Istanbul R.	TUR	cw-cq de tah qsx	pt53
17045,6	2200	9MG11	Georgetown R.	MLA	cw-9mg + SITOR	pt53
17050,3	2036	4XZ	Ny Haifa	ISR	cw-vvv	pt53
17066,5	2038	A9M	Bahrain R.	BHR	cw-a9m + SITOR	pt53
17074	2042	LGW	Rogaland R.	NOR	cw cq qsx	pt53

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17103	2044	XSG	Shanghai R.	CHN	cw-cq	pt53	
17132	,1	1932	XSV	Tianjin R.	CHN	cw-xsv + SITOR	pt53
17147	1113	URL	Sevastopol R.	UKR	cw-de url mrk	pt53	
17155	,4	2048	8PO	Barbados R.	BRB	cw-8PO + SITOR	pt53
17175	,2	2050	A9M	Bahrain R.	BHR	cw-cq qsx	pt53
17177	1531	URK9	Kertch R.	UKR	cw-ID, msg	pt53	
17206	2053	IAR7	Rome R.	I	cw-vvv	pt53	
17229	,9	2054	CWA	Cerrito R.	URG	cw-cq	pt53
17239	,7	1533	PKX	Jakarta R.	INS	cw-cq qru?	pt53
17248	2004	5BA62	Cyprus R.	CYP	USB,Greek/E,ID	pt53	
17272	1842	9AR	Rijeka R.	HRV	USB,VN,wkg Vessel,ID	pt53	
17314	1944	SP081	Szczecin R.	POL	USB,Pol,nx, 1944 off	pt53	
17314	1944	NMN	USCG CAMSLANT	USA	USB,E,wkg COP	pt53	
17329	1030	YLQ	Riga R.	LVA	USB,E,Vn,Ru QRGs	pt53	
17332	1851	SPC82	Gdynia R.	POL	USB,E,ID,QRGS	pt53	
18426	1700	4XZ	Haifa	ISR	cw-v mkr	pcG	
18481	1431	4XZ	Ny Haifa	ISR	cw-vvv only	pt53	
19687	2114	KHF	Guam R.	GUM	cw-khf + SITOR	pt53	
19696	,5	1950	8PO	BRB	cw-8PO + SITOR	pt53	
19697	,5	1942	SPB71	POL	cw-spb + SITOR	pt53	
19706	2154	LSD836	Argentina R.	ARG	cw-1sd 836 + SITOR	pt53	
19726	1954	A9M	Bahrain R.	BHR	cw-a9m + SITOR	pt53	
19751	1553	9MG	Georgetown R.	MLA	cw-9mg + SITOR	pt53	
22377	,5	2024	KFS	San Francisco R.	USA	cw-kfs + SITOR	pt53
22380	,5	1739	CBV	Playa Ancha R.	CHL	cw-cbv + SITOR	pt53
22383	,5	2014	WLO	Mobile R.,AL	USA	cw-wlo + SITOR	pt53
22389	,5	2015	NMN	USCG CAMSLANT	USA	cw-nmn + SITOR	pt53
22389	,5	2017	NMO	USCG Honolulu	HWI	cw-nmo + SITOR	pt53
22461	,4	1743	8PO	Barbados R.	BRB	cw-8PO + SITOR	pt53
22465	1552	9MG12	Georgetown R.	MLA	cw-9mg + SITOR	pt53	
22575	,5	1611	PKX	Jakarta R.	INS	cw-cq	pt53
26133	0940	ZSC	Capetown Radio	AFS	cw-id + sitor	zeTC	
26134	0941	9MG	Penang Radio	MLA	cw-id + sitor	zeTC	

## A E R O (Ground - stations)

4645	2222		Tallinn Volmet	EST	USB,E,Volmet	pt53
5450	1244	MVU	RAF Volmet	G	USB,E,Volmet,ID	pt53
5541	2015	SDJ	Stockholm Radio	S	USB,E,wkg AlItalia 660	pt53
5658	2221		Kabul Aero	AFG	USB,E,wkg LH 745	pt53
5658	2209		Bombay Aero	IND	USB,E,wkg KLM 474	pt53
5680	1516		Kinloss Rescue	G	USB,E,wkg Rescue 169	pt53
6532	2034		Naha Aero	J	usb,E,wkg Koreanair 582	ai46
6535	0041		Dakar Aero	SEN	USB,E,wkg AlItalia	pt53
6586	0043		New York Aero	USA	USB,E,wkg a/c 4502	pt53
6622	0037		Gander Aero	CAN	USB,E,wkg a/c	pt53
6628	2316	CSY	Santa Maria Aero	AZR	USB,E,wkg Air France	pt53
6676	2034		Sydney Volmet	AUS	USB,E,Volmet	pt53
6724	1305		RAF	G	USB,E,wkg a/c JP	pt53
6930	1925		Luxor Aero	EGY	USB,E,wkg Cairo Aero	pt53
6930	1941		Sharm-El-Sheik Aero	EGY	USB,E,wkg Cairo Aero	pt53
8825	0032		New York Aero	USA	USB,wkg LH 531	pt53
8825	0033	CSY	Santa Maria Aero	AZR	USB,E,wkg Air Portugal	pt53
8855	0024		Piarco Aero	TRD	USB,E,wkg KLM 714	pt53
8879	1945		Antananarivo Aero	MDG	USB,E,wkg UNID a/c	pt53
8891	1956		Iceland Aero	ICL	USB,E,wkg Air France 678	pt53
8894	2139		Niamey Aero	NGR	USB,E,wkg HLA 538	pt53
8903	2130		Kano Aero	NIG	usb,E,wkg Air Afrique 833	ai46
8903	1956		Lubumbashi Aero	ZAI	usb,E,wkg LH573	ai46
8903	2008		Naha Aero	J	usb,E,wkg Japanair 253	ai46
8903	1957		Ndjamena Aero	TCD	USB,E,wkg LH 597	pt53
8906	0127	CSY	Santa Maria Aero	AZR	USB,E,wkg KLM 754	pt53
8906	0103		New York Aero	USA	USB,E,wkg Delta 94	pt53
8921	0030		Saudia Riyadh	ARS	USB,E,wkg CMHJ	pt53
8930	1959	SDJ	Stockholm Radio	S	USB,Dutch,wkg PGHI	pt53
8957	2048		Shannon Volmet	IRL	USB,E,wx,ID	pt53
10090	2010		Tashkent Volmet	UZB	USB,E,Volmet	pt53
10096	0112		Recife Aero	B	USB,E,wkg KLM 796	pt53

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11253	1228	MVU	RAF Volmet	G	USB,E,Volmet,ID	pt53
11300	1807		Tripoli Aero	LBY	usb,E,Libyan 043	pt53+ai46
11387	2030	VJN385	Sydney Volmet	AUS	USB,E,Volmet	pt53
11387	2224		Singapore Volmet	SNG	USB,E,Volmet	pt53
13264	1741		Shannon Volmet	IRL	USB,E,Volmet	pt53
13282	1945		Hongkong Volmet	CHN	USB,E,Volmet	pt53
13282	1840		Tokyo Volmet	J	USB,E,Volmet	pt53
13282	1945		Hongkong Volmet	CHN	USB,E,Volmet	pt53
13306	1325	CSY	Santa Maria Aero	AZR	USB,E,wkg Air France 239	pt53
13333	1908	Speedbird	BA London	G	USB,E,wkg a/c	pt53
13342	1012	SDJ	Stockholm Radio	S	USB,E,wkg UK, QSY 18585	pt53
17916	0948	SDJ	Stockholm Radio	S	USB,E,wkg Delta	pt53
17940	0951		Iberia	?	USB,Sp,wkg a/c Selcall AEBJ	pt53
18585	1013	SDJ	Stockholm Radio	S	USB,E,wkg Uniform Kilo	pt53

A E R O (aircraft)

Nothing to report???

D I G I T A L

147,3	1644	DDH47	DWD	D	rtty50 ry,ID	pt53
147,3	1543	DDH47	Hamburg Meteo	D	RTTY 50bd plaintext wx	abNL
287,9	2000	HH	Hoek van Holland	HOL	200bd DGPS	abNL
299,5	2003	AD	Ameland	HOL	200bd DGPS	abNL
300,5	2005		Mizen Head	G	200bd DGPS	abNL
302,5	2006		Flamborough Head	G	200bd DGPS	abNL
311,5	2009		Oostende	BEL	200bd DGPS	abNL
490	1920	GCC	Cullercoats R.	G	FEC navtex. id U	abNL
490	1720	GNI	Niton R.	G	FEC navtex. id I	abNL
491	1834	PBK	Netherlands CG	HOL	FEC navtex. id P //518 khz	abNL
496	1030	PBK	Netherlands CG	HOL	FEC navtex. id P //518 khz	abNL
518	1738	GNI	Niton R.	G	FEC navtex. id K	abNL
518	2240	9AS	Split R.	HRV	FEC navtex. id Q	abNL
518	0002	FRC	CROSS Corsen	F	FEC navtex. id A	abNL
518	2345	FRL	CROSS La Garde	F	FEC navtex. id W	abNL
518	1258	GCC	Cullercoats R.	G	FEC navtex. id G	abNL
518	1350	LGQ	Rogaland R.	NOR	FEC navtex. id L	abNL
518	2310	OST	Oostende R.	BEL	FEC navtex. id T	abNL
518	2200	OST	Oostende R.	BEL	FEC navtex. id M	abNL
518	2234	PBK	Netherlands CG	HOL	FEC navtex. id P	abNL
2203	2140	MGJ	Ny Farlane	G	rtty350/75 mrk	pt53
2474	1648	PBC	Ny Goeree Isl	HOL	rtty850/75 mrk	pt53
2608,3	2020	FUO	Ny Toulon	F	rtty850/75 mrk	pt53
2789	2024	FUE	Ny Brest	F	rtty850/75 ry	pt53
4295	2025	FUE	Ny Brest	F	rtty850/75 ry	pt53
5121	1934	RFF--	UNID	F	ARQE/72/400 cont alpha idle	pcG
5267	1915	RFF--	UNID	F	ARQE/72/400 cont alpha idle	pcG
5284	1910		UNID	?	ARQE/85,6/170 cont idle	pcG
5755	1930	AXI32	Darwin Meteo	AUS	FAX-120 wind wave AustraliazeTC	zeTC
6348	2027	FUE	Ny Brest	F	rtty850/150 ry	pt53
6358,5	1019	PBC	Ny Goeree	HOL	rtty850/75 mrk,Id	pt53
6493,5	0903	UDK	Murmansk R.	RUS	ITA2/50/170 cq + ry mkr	pcG
7505,5	1705	FDY	AF Orleans	F	ITA2/50/400 le brick + ry	pcG
8151	1508	IGJ44	Ny Augusta	I	rtty850/100 mrk	pt53
8429,5	1651	IDR4	Ny Rom	I	rtty75/850 mrk	pt53
8434,5	1236	SAB437	Goteborg R.	S	FEC tfc list	abNL
8439	1016	PBC	Ny Goeree	HOL	rtty800/75 mrk,Id	pt53
8453	2038	RFFME	Ny La Regine	F	rtty75 ry testing de rffme	pt53
8642,2	1234	MGJ	Ny Faslane	G	VFT 75bd CARB	abNL
9130	1828	MGJ	Ny Faslane	G	rtty375/75 marker	pt53
10116,9	2235	BAF4	Beijing Meteo	CHN	FAX-120 wave 750 hPa	zeTC
10121,3	1846	SUU2	Cairo Meteo	EGY	FAX-120 surface anal (LSB)	zeTC
10314	1445		MFA Warsaw	POL	POL-ARQ 100 msgs	pt53
10492,5	1045	V5G	MFA Bucharest	ROU	Rum-FEC 164.5 circulars	pt53
10865	2213	NAM	USNy Norfolk	USA	FAX-120 satellite image	zeTC
11030	1945	AXM34	Canberra Meteo	AUS	FAX-120 swell waves AUS	zeTC
11039	1645	DDH9	DWD	D	rtty50 ry,ID	pt53

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11090	1834	KVM70	Honolulu Meteo	HWA FAX-120 infra red disk	zeTC
11453	1600	IMB31	Roma Meteo	I rtty,850/50 wx,no ID	pt53
11482,5	0950	RFGW	MFA Paris?	F FEC-A 192 de rfgw,F,press	pt53
12579	1942	NMC	S.Francisco USCG	USA SITOR/B wx msg b/c	pcG
12583,5	1549	UUI	Odessa Radio	UKR SITOR-B-100/170 tfc list	zeTC
12666,3	0820	RFFME	Ny La Regine	F rtty150 ry test de rffme	pt53
12823,5	0909	CTP	Ny Oeiras	POR rtty850/75 naws	pt53
12840,5	1301	PBC	Ny Goeree	HOL rtty75 mrk	pt53
12877,5	1515	UIW	Kaliningrad Radio	KAL rtty50/170 Ru,nx,ID abNL	pt53
12921	1248		Royal Navy	G VFT 75 encrypted msgs	abNL
12921,2	1249	MGJ	Ny Faslane	G VFT 75 CARB	abNL
13050	0901	UDK	Murmansk R.	RUS ITA2/50/170 cq + ry mkrpt53	pcG
13470	1450		UNID	? rtty75 500,5-fig-groups,at the	
				end: TKS GB SK SK anyone any idea?	pt53
13530	0857	KAWN	USAF	USA RTTY75/850 wx plain text	pt53
13547	1928		UNID	? rtty75 500,5-fig-groups,at the	
				end: TKS GB SK SK anyone any idea?	pt53
13846,8	1904	RFQP	FF Djibouti	DJI ARQ-E3-100/425contr.de voie	zeTC
13900	1928	BMF	Taipei Meteo	TWN FAX-120/576 satellite	zeTC
14467,3	1646	DDH8	Hamburg Meteo	D rtty50 wx	pt53
14626,7	0805	RFLI	Ny Fort de France	? ARQ-E 192controle de voie	pt53
14671	2030	RFTJD	Libreville	CME ARQE/48/850 JDF cct	pcG
14684	1059	V5G	MFA Bucharest	ROU Rum-FEC,164.5 circulars	pt53
16087	1529	RFVI	FNy Reunion	REU ARQ-E3 100 idle,ID	pt53
16125,2	1230	RFQP	FNy Djibouti	DJI ARQE/200/400/2chQPA/QPBParis	pcG
16144,2	2045	RFLI	FNy F.de France	MRT ARQE3/192/400 BFL to Paris	pcG
16166,3	1818		Arkhangelsk Meteo	RUS FAX-90 surface anal	zeTC
16627,8	1156	RFTPA	FAF N'djamena	TCD ARQ-E3 200 msgs,ID	pt53
16806,5	1555	NMC	S.Francisco USCG	USA SITOR/B wx b/c msg	pcG
16833,5	1602	UIW	Kaliningrad R.	KAL ITA2/50/170 ry test	pcG
16951,5	1645	RFTJE	FF Dakar	SEN ITA2/75/850 ry/sg test	pt53+pcG
16976	2200	PWZ	Ny Rio de Janeiro	B rtty75 Navarea V msgs,E,P	pt53
16984	2110	PWZ	Ny Rio de Janeiro	B rtty200 Port,nx,wx	pt53
16986	0900	CTP	Ny Oeiras	POR rtty75 naws de ctp	pt53
17020	0900	UDK	Murmansk R.	RUS ITA2/50/170 cq + ry mkr	pcG
17024	1101	SAB83	Stockholm Radio	S Sitor-A,idling	pt53
17036	1031	UCE	Arkhangelsk R.	RUS RTTY 50 RY + msgs	abNL
17179,8	0915	RFFME	Ny La Regine	F rtty150 ry test de rffme	pt53
17550,9	1155	RFTJ	Ny Dakar	SEN ARQ-E3 192 encrypted msgs	pt53
18220	2025	JMH5	Tokyo Meteo	J FAX-120 wave prognos.	zeTC
18311,8	1654		UNID	? SITOR/A atu-a tfc	pcG
18365	1646		UNID	? 100/850 cont tfc	pcG
18435,5	1255	RFFA	MOD Paris	F ARQ-E3 200 qsl to fd 01,	pt53
18441,2	2015	JMJ5	Tokyo Meteo	J FAX-120 500hPa wind progno.	zeTC
18444,7	1700		UNID	? ARQ-E,184,7.,75min w/outID	pt53
18447,7	1704	RFTPC	FF N'jamena	TCD ARQE3/200/400 idle	pcG
18551,9	1044	V5G	MFA Bucharest	ROU Rum-FEC 164.5 circulars	pt53
18553,7	1815	RFTJ	FF Dakar	SEN ARQE3/191/400 TJICct toParis	pcG
18933,5	1822	SPW	Warsaw R.	POL SITOR/A tts	pcG
19031,7	1031		tent. MFA Islamabad	PAK Sitor-A,idling	pt53
19216,7	0845		UNID	? SI-ARQ4,96 idling	pt53
19216,7	1830	RFLI	FNy F.de France	MRT ARQE3/96/400 unsync idle	pcG
19696,5	1845	8PO	Bridgetown R.	BRB SITOR/A tlx/cw-mkr	pcG
19862	0845	MGJ	Ny Faslane	G rtty375/75 marker	pt53
19862	0732	GYA	MOD London	G rtty375/75 marker	pt53
20697	1042		UNID	? ASCII 300	pt53
20805	0723	RFQP	FNy Djibouti	DJI ARQ-M2 200 ID,contr. de voie	pt53
21864,9	1215	SNN	MFA Warsaw	POL POL-ARQ 100,msgs to Brasil	pt53
22537	1835	FUF	FNy Fort de France	MRT rtty75 ry,testing de fuf	pt53
22603,5	1556	UIW	Kaliningrad Radio	KAL rtty50/170 Ru,msgs,ID	pt53
22652	0902	UDK	Murmansk r	RUS ITA2/50/170 cq + ry mkr	pcG
25223,7	1025		MFA Stockholm	S Swed-ARQ,100 encr. Msgs	pt53

T I M E S I G N A L

60	2020		Teddington TS	G cw-TS	pt53
66,6	2119	RBU	TS Moscow	RUS cw-timesignals	abNL
77,5	1234		DCF	PTB Braunschweig D TS,	pt53

## EUNL2000

8638	1937	VNG	NSC Llandilo	AUS TS	pt53
7335	0140	CHU	NRC Ottawa	CAN usb-E/F TS/TA OM	zeTC
15000	1605	WWVH	NBS Kekaha	HWA usb-E TS/TA YL	zeTC
15000	1605	WWV	NBS Fort Collins	USA usb-E TS/TA OM	zeTC
15006	1005	EBC	Cadiz	E usb-TS	zeTC

## Q S L - R E V I E W

ITU Station	days	rvcd/gvn	QRG	Call	Power	name
AFS-PB Plettenberg Bay	37	f/d cd	28202	ZS1J/B	5 w	egCH
ARS-Ras Tanura R.	18	f/d cd,lt	16960	HZY	1 kw	egCH
AUT-NDB Bruck	7	f/d cd	408	BRK	100 w	egCH
AUT-NDB Innsbruck/Absam	35	f/d cd & ppc/vc,IRC	313	AB	20 w	zeTC
AUT-NDB Innsbruck-Igls	9	f/d cd (direct)	420	INN	200 w	egCH
AUT-NDB Linz	15	f/d cd,lt (direct)	327	LNZ	80 w	egCH
BEL-NDB Antwerpen-Deuvne	9	ppc,lt,ndb-list(direct)	355	ONW		dp47
BEL-NDB Liege	290	f/d ppc/IRC	290	ONL		lrG
BEL-NDB Liege-Bierset	7	ppc/fo,irc	290	ONL	50 w	dp47
BEL-NDB Liege-Bierset	21	ppc	348,5	LG	30 w	dp47
BEL-NDB Spa	7	ppc,vc,tuourist-i/fo	386,5	SLV		dp47
BIH NDB Tuzla	18	f/d lt,ppc	420	ZV		egCH
CAN-PB Mississauga,ON	69	f/d cd,lt,vc	28236	VE3GOP/B	5 w	egCH
CYP-CARS - PB Zyyi	115	f/d ham cd f/up	28220	5B4CY		egCH
CZE-NDB Namest nad Oslavou18		ppc (mil cen-adr)/sase	362	L	100 w	zeTC
CZE-NDB Namest nad Oslavou18		ppc (mil cen-adr)/sase	563	LA	100 w	zeTC
CZE-NDB Namest nad Oslavou18		ppc (mil cen-adr)/sase	514.5	XU	100 w	zeTC
CZE-NDB Praha-Kbely/Kalda56		ppc (civ cen-adr)	438	K	50 w	zeTC
CZE-PB Kladno	14	f/d cd,fo (e-mail RR)	3600	OK0EN	150mw	egCH
CZE-Praha Aero	28	ppc/IRC	10027			hb31
D -LDOC Lufthansa	35	ppc/fo,sase	10078	LH	10 kw	dp47
D -NDB Hof	7	f/d lt	484	HOF		lrG
D -NDB Mönchengladbach	14	ppc,ndb-list/fo,ms	377	MGB	10 w	dp47
D -NDB Düsseldorf west	14	neg reply!	284,5	DY		dp47
D -NDB Lima	14	neg reply!	311	LMA		dp47
D -NDB Köln-Bonn	27	ppc/fo,ms	327	LV	100 w	dp47
D -NDB Köln-Bonn	27	ppc/fo,ms	300,5	LW	100 w	dp47
D -NDB Köln-Bonn	4	ppc,sti/fo,ms	365	LJ	100 w	dp47
D -NDB Hohn	9	ppc/fo,ms	344	HN	40 w	dp47
D -NDB Jever	41	ppc/fo,ms	390	JEV		dp47
D -NDB Nordholz	35	ppc/fo,ms	372	NDO		dp47
D -NDB Münster	42	ppc,lt,booklet,ndb-list	305	MST	50 w	dp47
D -NDB Donaueschingen	14	lt	490	DVI	25 w	egCH
D -NDB Friedrichshafen	11	f/d lt,i,sti	473	FHA	100 w	egCH
D -NDB Sylt	7	ppc/ms	387	SLT		hb31
D -THA Emb Bonn	53	ppc/fo,ms fup	20134,8	HSF212BNN		dp47
DNK-Copenhagen Meteo	10	ppc,lt/vc,IRC	9360	OXT	20 kw	zeTC
DNK-NDB Billund	6	lt/ms	395	GE		hbDK
DNK-NDB Kolding	7	ppc/ms	357	KD		hb31
DNK-NDB Sonderborg	9	ppc/ms	316	IN		hb31
E -NDB Rota	133	f/d lt via cen-ads	303	D		lrG
E -NDB Cabo Finisterre	133	f/d lt via cen-ads	288,5	FI		lrG
E -NDB Estaca de Barca	133	f/d lt via cen-ads	309,5	BA		lrG
E -NDB Punta del Llobregat133		f/d lt via cen-ads	303,5	OR		lrG
E -NDB Mahon	133	f/d lt via cen-ads	292	MH		lrG
E -NDB Getafe	19	f/d lt,sti	421	GE	600 w	egCH
E -NDB Cabo Mayor	19	f/d cd,lt	304.5	MY	200 w	egCH
E -NDB Cabo Villano	19	f/d lt (via c/a)	290.5	VI		egCH
E -NDB Calamocha	26	lt,ppc/ms(fup v.Madrid)	375	CMA		hbF
E -NDB Lleida	26	lt,ppc/ms(fup v.Madrid)	404	LRD		hbF
E -NDB Seo de Urgel	26	lt,ppc/ms(fup v.Madrid)	340	SEO		hbF
E -NDB Cabo Villano	55	ppc/ms	390.5	VI		hb31
EST-NDB Tallinn-Ülemiste	12	lt via c/a	386	LK		zeTC
EST-NDB Tallinn-Ülemiste	12	lt via c/a	474	IB		zeTC
EST-NDB Tallinn-Ülemiste	12	lt via c/a	418	L		zeTC
EST-NDB Viljandi	12	lt for 95 rppt(via c/a)	898	EWZ		zeTC
EST-NDB Viljandi	12	lt for 96 rppt(via c/a)	405	EWZ		zeTC
EST-NDB Vohma	12	lt for 94 rppt(via c/a)	930	SW		zeTC

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F	-NDB Strasbourg	17	f/d lt	f/up	412	`EZ`		lrG
F	-NDB Epinal	4	RR (signed & stamped)		419	`EMT`		egCH
F	-NDB Usse	10	f/d lt		416	`ULT`		egCH
F	-NDB Aubenas Vals	9	RR (signed & stamped)		427	`AUB`		egCH
F	-NDB St Dizier Robinson	11	f/d lt		373	`SDI`		egCH
F	-NDB Chalon-Champforgeuil	32	lz		391	`CC`		egCH
F	-NDB Melun Villaroche	28	lt		424	`MV`	50 w	egCH
F	-NDB Orleans	9	f/d lt,vc		385	`OAN`		egCH
F	-NDB St. Yan	8	lt		430	`SN`	100 w	egCH
FIN	-NDB Helsinki/Vantaa	10	f/d pc/cd,lt,info		322	`KOR`	500 w	zeTC
FIN	-Turku Radio	322	ppc,apology lt/vc,IRC	1677	OFK		500 w	zeTC
G	-Brixham CG	6	p/d lt	VHF 156,8				lrG
G	-Brixham CG	14	lt,i	2182				egCH
G	-Lee-on-Solent CG	14	p/d lt	VHF 156,5				lrG
G	-NDB East Midlands	12	f/d lt/SAE	353,5	`EME`			lrG
G	-NDB London City	13	f/d lt/SAE	322	`LYC`			lrG
G	-NDB Prestwick	22	ppc	355	`PIK`			ai46
G	-NDB Newcastle	15	ppc,info lt,photo/vc	352	`NEW`	90 w		zeTC
G	-NDB Brize Norton	16	ppc,info lt,Magazine	386	`BZ`	50 w		zeTC
G	-Portishead R.	43	QSL-folder Farwell-day	8559,5	GKB4			dp47
G	-Portishead R.	36	f (Farewell Event)	12835.4	GKB			egCH
HOL	-NDB Amsterdam	88	ppc/ms (via Amsterdam)	332	`NV`			hb31
HOL	-NDB Eindhoven	11	ppc/fo,irc	316	`PH`			dp47
HOL	-NDB Eindhoven	15	ppc,ndb-list/fo,irc	397	`EHN`			dp47
HOL	-NDB Groningen	88	ppc/ms (via Amsterdam)	342	`GG`			hb31
HOL	-NDB Gulpen	11	ppc/fo,irc	383,5	`GUL`	50 w		dp47
HOL	-NDB Lelystad	21	n/d lt,i	326	`LLS`			lrG
HWI	-ARINC San Francisco	19	lt,ppc,pin/ms	17946				hb31
I	-Compamare Termoli	30	ppc/fo,irc	6815		150,6 w		dp47
I	-MRSC Ancona	30	QSL-lt,vc`s,sti`s/irc	6815	ICI07	250 w		dp47
I	-MRSC Palermo	23	ppc,lt	6812	ICI12			ai46
I	-MRSC Palermo	35	QSL-lt,ppc/fo,irc	6815	ICI12			dp47
I	-NDB Punta Penna	14	f/d lt	314.5	`TL`	100 w		egCH
I	-NDB Piacenza	32	f/d lt	440	`PIA`	100 w		egCH
I	-NDB S.Vito/Taranto	16	lt	311	`TN`	80/100 w		egCH
I	-NDB Senigallia	25	lt,vc	311.5	`SA`	100 w		egCH
IW	-MV Oceanic (Tug)	83	ppc/fo,ms fup	2182	DIAL	250 w		dp47
IW	-MV Triton	120	ppc,ship-certificate	2182	DBHK	200 w		dp47
IW	-MZS Neuwerk	90	ppc/fo,ms	2839	DBJM	250 w		dp47
IW	-NDB Dan F Platform	13	ppc/ms	349	`DNF`			hbDK
IW	-NDB Sean P	15	ppc/ms	333	`SHO`			hbDK
IW	-NDB Tor E	24	ppc/IRC back	375	`TR`			hbDK
IW	-RV Solea	155	ppc/fo,ms	2839	DBFI	150 w		dp47
IW	-SSS Alex. v. Humboldt	26	ppc,vc,sti/fo,ms	2182	DFAW	150 w		dp47
IW	-SSS Grozherz. Elisabeth	64	ppc/fo,ms	2182	DGEN			dp47
J	-Misaki Fishery R.	19	cd/IRC	12832.5	JFC	2 kw		hb31
J	-Miyagi Fishery R.	16	ppc,lt/IRC	12858	JFF	2000 w		ai46
J	-Miyagi Fishery R.	82	ppc,lt/fo,irc	12825	JFF	2000 w		dp47
J	-Miyagi Fishery R.	30	lt,ppc/IRC	12858	JFF			hb31
KEN	-LDOC Kenya Airways	9	n/d lt	13339				lrG
LUX	-NDB Diekirch	9	f/d lt (c/a)	307	`DIK`	100 w		egCH
LUX	-NDB Luxembourg	4	ppc,nice verification-lt	318	`LE`	100 w		dp47
MLT	-NDB Kalkara	9	f/d lt,fo	416	`LQA`	100 w		egCH
POL	-NDB Rzeszów-Jasionka	41	ppc,vc/vc,ms	474	`RZ`	100 w		zeTC
POL	-NDB Rzeszów-Jasionka	41	ppc,vc/vc,ms	341.5	`R`	100 w		zeTC
POL	-Warsaw Radio	22	ppc/vc,IRC	12565,5	SPW	1000 w		pt53
POL	-Warszawa R.	43	f/d lt	14654.5	SPW	1 kw		egCH
POL	-Warszawa R.	43	ppc/IRC	14654.6	SPW			hb31
POL	-Warszawa Radio	18	ppc/vc,ms	7863.5	SPW	1 kw		zeTC
ROU	-NDB Arad	16	lt,vc (direct)	517	`ARD`	100 w		egCH
RUS	-Petrozavodsk R.	42	ppc,vc/fo,irc 9th try	12817,5	RUA8			dp47
S	-Hist. Stn. Grimeton	630	ppc,QSL-cd,i/irc	17,2	SAQ	200 kw		dp47
SLO	-NDB Ljubljana	148	ppc,info/IRC	328	`KAM`			hb31
SUI	-NDB Grenchen	9	p/d cd	326	`GRE`			lrG
SUI	-NDB Les Eplatures	9	f/d lt (v Geneva)	403	`LPS`	100 w		egCH
SUI	-NDB Murj	9	cd(Swisscontroll Bern)	312	`MUR`			lrG
SVN	-NDB Brnik/Dojsko	7	f/d cd	328	`KAM`	250 w		egCH
UKR	-Kherson R.	41	lt,cd/IRC	8706.4	USI			hb31

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UKR-Odessa R.	54	ppc,ham-qs1	12760	UVM	1500 w dp47
USA-MARS Great Lakes,IL	61	f/d cd	14467	NAV-4	400 w egCH
USA-PB Brighton,IL	88	lt,i	28210	N9YDZ/BCN	1 w egCH

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard, cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, sae=self addressed envelope, f=folder, f/d full detailed, USD=US Dollar, c/a=central address, Lfb=Lifboat

## Membership and money corner:

And here the beloved column of every paperversion-member, hi.

Due to renew for July: koCH and lrg; for September: kh84 and hl71, and for November we have the following candidates: hb31; fd40; wk08; mo76; dp47; hs61; ps50; js38; pt53; ht45; sw67. If everyone of you have now internet-access and don't want the paperversion anymore, please give me hint!

## Addresses/Infos/Veri-signers:

If you like to see John, N3SKO, at US Army MARS station WAR Fort Detrick, MD, please look at the following URL:

<http://www.cis.udel.edu/~scoggin/personal/hamstation.html>

John uses the MARS callsigns AAT3BF and AAT3TFC

(Many thanks for the nice info, John! -ed)

NDB London City/LCY: London City Airport, Royal Docks, London E16 2PX (lrg)

NDB Lelystad/LLS: N.V. Luchthaven Lelystad de Zwaluw 2, 8218 PD, Lelystad or P.O. Box 2201, 8203 AE Lelystad (lrg)

NDB Grenchen/GRE: RFP, Regionalflugplatz, Jura-Grenchen AG, CH- 2540 Grenchen (lrg)

LDOC Kenya Airways: Kenya Airways Operations Control Centre, P.O. 19002, Nairobi (lrg) (v/s: Tony Nalyanya, Duty Controller Operations)(lrg)

Miyagi Fishery Radio, Gyogyo Kyodo Kumiai, Miyagi-ken Gyogyo, All Japan Fisheries Radio Ass., 3-6-1 Uomachi, Ishinomaki-City 986-0022, Miyagi-ken (ai46)

NDB Prestwick/PIK: NATS Atlantic House, Sherwood Road, Prestwick, Ayrshire, KA9 2NR, UNITED KINGDOM (ai46)

MRSC Palermo/ICI12: Guardia Costiera Italiana Palermo - 12° M.R.S.C. Palermo ICI 12, Capitaneria di Porto, Sezione Operativa, Via F. Crispi 153, I-90139 Palermo ITALIA (ai46)

NDB Namest nad Oslavou/K/L/LA: Vojensky Utvar 2666, Odbor pro mezirezortni vztahy letectva MO, CZ-160 01 Praha 6. (zeTC)

NDB Brize Norton/BZ: Chief Technician AM Green, SNCO IC GRMS, RAF Brize Norton, Carteron, OX ON, OX18 3LX, U.K. (zeTC)

LDOC Lufthansa/LH: Lufthansa Systems GmbH, Abteilung Telekommunikation, c/o Thomas P. Breitbach - DC9PO -, Am weiher 24, D- 65451 Kelsterbach (dp47)

INFO: The origin LDOC was closed down in 1996! Dp47

MZS Neuwerk/DBJM: GSS Neuwerk, Wasser- und -Schifffahrtsamt Cuxhaven, Amf Alten Hafen 2, D- 27472 Cuxhaven (dp47)

SSS Großherzogin Elisabeth/DGEN: Schulschiffverein Grossherzogin Elisabeth e.V., Rasthausplatz 7, D- 26931 Elsfleth (dp47)

PB Plettenberg Bay(ZS1J/B): Roger Davis,P.O.B. 1660, Plettenberg Bay,6600

R.S.A.(egCH)

PB Mississauga (VE3GOP/B): Alex wiecek, 3715 windhaven Drive, Mississauga,ON, 15N 7V2, Canada (egCH)

PB Brighton (N9YDZ/BCN): Mark B.Myers, 27 Williams Lane, Brighton, IL 62002, USA (egCH)

PB (OK0EN): OK1DUB, Mirek Najman, Kladenska 117, Kamenne Zehrovice, CZ-27301 Czech Rep. (e-mail ok1dub@volny.cz) (egCH)

Many thanks to following (8) faithful contributors: lrg, abNL, pt53, zeTC, dp47, egCH, hb31 (with hbF/hbDK), ai46

gd dx + 73`s, until next month (c)

Andreas

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EUNL2000

EUROPEAN UTILITY NEWSLETTER 10-2000

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* *
* Deadline: 20th of the month!!! *
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Hi there,

A full EUNL this time. So many stuff, that I had to save something for EUNL 11-00. Don't be dissapointed. Everything will be published! Please note: EUNL 11-00 will come up a little bit later as I`am on holiday.

N D B

288,5	2236	FI	Cabo Finisterre	E	id x2 + 24 sec tone	tiDK
290,5	2232	VI	Cabo Villano Lt.	E	id x2 + 46 sec tone	tiDK
293	2210	OB	Brussel	BEL	id+tone	abNL
295,5	2143	EM	Etampes/Mondesir	F	id+tone	abNL
304,5	2239	MY	Cabo Mayor	E	id x2 + 47 sec tone	tiDK
306,5	2241	H	Hel Lt.	POL	id + 5 sec tone	tiDK
309	2158	WW	Antwerpen	BEL	id	abNL
309,5	2243	BA	Estraca de Bares Lt.	E	id x2 + 25 sec tone	tiDK
315	0904	STK	Stadskanaal	HOL	id	tiDK
319	0918	VAR	Stavanger-Varhaug	NOR	id	tiDK
321	0919	SP	Vojens	DNK	id	tiDK
324	0906	ML	Tirstrup	DNK	id	tiDK
326	0920	YW	Rigg Tyra Maersk	IW	id + 5 sec tone	tiDK
328	0921	VJ	Stauning	DNK	id	tiDK
330	2040	SO	Groningen	HOL	id	tiDK
331	0922	TE	Thisted	DNK	id	tiDK
332	2158	LL	Lille	F	id+tone	abNL
332	2155	NV	Nieuwkoop	HOL	id	abNL
335	0925	SV	Skive	DNK	id	tiDK
336a	0910	HWB	unid NDB, any help?	?	id	tiDK
336,5	0929	NIK	St. Nikolas	BEL	id	tiDK
341	0932	LO	Billund	DNK	id	tiDK
342	0936	GG	Elde-Groningen	HOL	id	tiDK
342	2249	LL	Fagernes-Leirin	NOR	id	tiDK
344	0933	HN	Hohn AFB	D	id + 5 sec tone	tiDK
345	2219	BN	Kristiansand-Birkeland	NOR	id	tiDK
346	1041	AU	Stauning	DNK	id	tiDK
346,5	1039	BMN	Bremen	D	id	tiDK
349	1044	DNF	Rigg Dan F	IW	id	tiDK
351	1042	KP	Karup	DNK	id	tiDK
351	1046	NS	Malmoe	S	id	tiDK
351,5	2224	PLA	Pula	HRV	id + 5 sec tone	tiDK
353	1047	KIL	Kiel-Holtenau	D	id	tiDK
353	2221	KRW	Krakow	POL	id	tiDK
357	1048	KD	Kolding	DNK	id	tiDK
357,5	2225	FAL	Ancona-Falconara	I	id	tiDK
359,5	2255	CDN	Chateaudun	F	id + 24 sec tone	tiDK
361	2256	LIE	Turku-Lieto	FIN	id	tiDK
361a	0916	SRN	unid NDB, any help?	?	id	tiDK
363,5	2229	BRD	Brindisi	I	id	tiDK
365	1942	GLX	Glückstadt	D	id	tiDK



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366	1053	MB	Maribo	DNK	id		tiDK
367,5	2304	PNZ	Ponza	I	id		tiDK
367a	2051	HH	unid NDB, any help?	?	id		tiDK
367a	2052	RG	unid NDB, any help?	?	id		tiDK
368	2230	RK	Roskilde	DNK	id		tiDK
369	1934	KA	Karup	DNK	id		tiDK
370,5	0920	LB	Angelholm	S	id		tiDK
372	1936	ODR	Odderoy	NOR	id		tiDK
372	1949	NDO	Nordholz	D	id + 3 sec tone		tiDK
374,5	2306	ANC	Ancona	I	id		tiDK
375	2233	TR	Rigg Tor-Ekofisk	IW	id		tiDK
376	1937	HP	Esbjerg	DNK	id		tiDK
380	1941	KA	Tirana	ALB	id		tiDK
380	2000	FLB	Flensburg-Schäferhaus	D	id		tiDK
381	2235	ESP	Helsinki-Espo	FIN	id		tiDK
383	1943	LST	Lista	NOR	id		tiDK
387	2002	SLT	Sylt	D	id + 5 sec tone + 18 sec		tiDK
389	2238	HY	Skive	DNK	id		tiDK
390	2005	JEV	Jever	D	id		tiDK
394	2242	TW	Thisted	DNK	id		tiDK
395	2241	GE	Billund	DNK	id		tiDK
400,5	1950	EJ	Esbjerg	DNK	id		tiDK
404	0835	DA	Dalen-Torp	NOR	id		tiDK
405	0834	AV	Goeteborg-Saeve	S	id		tiDK
408	2312	BRK	Bruck	AUT	id		tiDK
409	0837	DAR	Darlowo	POL	id		tiDK
413,5	1952	GLT	Galati	ROU	id		tiDK
415	2315	RUS	Russe	BUL	id		tiDK
417	0839	AH	Angelholm	S	id		tiDK
418,5	2316	RA	unid NDB, any help?	?	id + 6 sec tone		tiDK
420	0843	SS	Malmoie-Sturup	S	id		tiDK
421	2153	BUR	Burnham	G	id		abNL
421	0845	MF	Halmstad	S	id		tiDK
423	2150	CWL	Cranwell	G	id		abNL
423	0846	FE	Odense	DNK	id x4 + dot		tiDK
424	2148	PIS	Pisarovina	HRV	id+tone		abNL
426	2001	GBG	Gleichenberg	AUT	id		tiDK
428	2002	TGM	Targu-Mures	ROU	id		tiDK
430	2018	BUG	Bugac	HNG	id		tiDK
440	0042	PIA	Piacenza	I	id		abNL
440	2021	IAI	unid NDB, any help?	?	id + 7 sec tone		tiDK
441	2022	CK	Prerov	CZR	id		tiDK
453	2025	CN	Priestany	SVK	id		tiDK
474	2319	RZ	Rzeszow	POL	id		tiDK
516	2332	JBR	Jaszbereny	HNG	id		abNL
517	2320	ARD	Arad	ROU	id		tiDK+abNL
290	2153	L	Poprad/Tatry	SVK	id		zeTC
292	2334	MH	Mahon Lt.	E	id + tone		zeTC
298	0435	KA	UNID	?	id 9x/in one min		zeTC
303,5	2058	OE	Pt.del Llobregat	E	id + tone		zeTC
311,5	2107	SA	Senigallia Lt.	I	id + tone		zeTC
316	0329	TNJ	Tounj	HRV	id + tone		zeTC
318	2109	LE	Luxembourg	LUX	id		zeTC
334	0340	MR	Maribor	SVN	id + tone		zeTC
337	0343	MY	Myggeanes	FAR	id		zeTC
334	2115	BGW	Paris/Le Bourget	F	id		zeTC
348,5	2122	LG	Liege	BEL	id		zeTC
350	2124	DWN	Devnya	BUL	id		zeTC
367	0355	VAT	Chalons/Vatry	F	id + tone		zeTC
370	2135	CGZ	Paris Ch.de Gaulle	F	id + tone		zeTC
380	0408	CBL	Campbeltown	G	id		zeTC
382	2140	GAZ	Gazoldo	I	id		zeTC
396	0418	ROC	Rochefort/St.Agnant	F	id + tone		zeTC
397	0421	AA	Tehran/Altabd	IRN	id + tone		zeTC
398	0424	NIT	Nitra	SVK	id		zeTC

F I X E D

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2272	0815		unid	?	USB crypto-vox	tiDK
2282	2045		unid	?	USB encrypted voice	tiDK
2362	2033		unid	?	cw-msg 5lg cyrilic in F1A	tiDK
2555	2048		unid	?	cw-msg 5lg, fast autokey	tiDK
2615,5	2037		unid	?	cw-encrypted text no5ng/5lgtiDK	
2626	2212		Numbers X06 (MOSSAD)	ISR	AM msg 5lg	tiDK
2691	2041		unid	?	cw-msg 5lg	tiDK
2735	2139		unid	?	USB wkg cryptovox	ti25
2867	2142		unid	?	USB wkg cryptovox	ti25
3093	2045		unid	?	cw-msg 5lg cyrilic	tiDK
3162	2041		unid	?	cw-msg 5ng 0=T	tiDK
3195	2109		Ny Izhevsk	RUS	cw-channelmarker `R`	abNL
3195	2142		Ny Ustinov	RUS	cw-channelmarker `R`	tiDK
3253	2132		unid	?	cw-cont 64017 64017 952 952	tiDK
3338	2108		Ny St Petersburg	RUS	cw-channelmarker `L`	abNL
3337,6	2226	RLO	Ny St. Petersburg	RUS	cw-channelmarker `L`	tiDK
3397	2054		unid	?	cw-msg 5lg	tiDK
3415	2135		Numbers X15 (MOSSAD)	ISR	AM msg 5lg	tiDK
3772	2242	RMP	RUS Ny Kaliningrad	KAL	cw-channelmarker `P`	tiDK
3840	2106		Numbers X19 (MOSSAD)	ISR	AM msg 5lg	tiDK
3903	2057		unid	?	cw-msg 5ng, fast handkey	tiDK
4007	2109		unid	?	cw-msg 5lg	tiDK
4015	2247		Numbers X20 (MOSSAD)	?	AM `VLB2`	tiDK
4023	2059		unid	?	cw-msg 5ng	tiDK
4031	2111	RMP	RUS Ny Kaliningrad	KAL	cw-channelmarker `P`	tiDK
4046	2154		unid	?	cw-msg 5ng	tiDK
4165	2250		Numbers X21 (MOSSAD)	ISR	AM `SYN2`	ti25
4325	2111		Ny Izhevsk	RUS	cw-channelmarker `R`	abNL
4461	2140		Numbers X24 (MOSSAD)	ISR	AM msg 5lg	tiDK
4476	2118	RMP	RUS Ny Kaliningrad	KAL	cw-channelmarker `P`	tiDK
4503	2141		unid, timesignal	?	cw-format HHMM, utc + 4hrs	tiDK
4558	2250		Ny Arkhangelsk	RUS	cw-channelmarker `S`	tiDK
4558,5	2251	FDI8	AF Nice	F	cw-id vvv vvv vvv	tiDK
4560	2101		Numbers X26 (MOSSAD)	ISR	AM `YHF` group 73	tiDK
4582	2121	FDG	AF Bordeaux	F	cw-id vvv vvv vvv	tiDK
4666	2122		unid	?	USB encrypted voice	tiDK
4783	2114		unid	?	cw-msg 5ng, groups twice!	tiDK
4815,5	2253	RIW	RUS Ny Tashkent	UZB	cw-channelmarker `V`	tiDK
4854	2119		Numbers Z03 (unid Intel)	?	AM msg 5ng, ending `000 000	tiDK
4881	2145		Numbers X29 (MOSSAD)	ISR	AM msg 5lg	tiDK
4971	2255		unid	?	cw-msg 5lg	tiDK
5050	1833		unid	?	cw-msg 5ng 0=T, ending ` = =	tiDK
5091	2132		Numbers X30 (MOSSAD)	ISR	AM `JSR` group 17	tiDK
5123,5	2110		unid	?	cw-msg double-letter-string	tiDK
5153,9	1952		Ny Arkhangelsk	RUS	cw-channelmarker `S`	tiDK+abNL
5154	1952		Ny Moscow	RUS	cw-channelmarker `C`	abNL
5170	2149		Numbers X31 (MOSSAD)	ISR	AM `VLB2`	tiDK
5322	2311		unid	?	cw-msg 5lg	tiDK
5339	2151		Numbers X33 (MOSSAD)	ISR	AM `SYN2`	tiDK
5391	2145	RIW	RUS Ny Tashkent	UZB	cw-channelmarker `V`	tiDK
5422	2206		Numbers LP01 (MI6)	CYP	USB 06031	tiDK
5435	2139		Numbers X34 (MOSSAD)	ISR	AM group 34 repeat for unid	tiDK
5446,5	2208	FDC	AF Metz	F	cw-id vvv vvv vvv	tiDK
5466	2147		Ny Ustinov	RUS	cw-channelmarker `R`	tiDK
5820	2210		Numbers X37 (MOSSAD)	ISR	AM msg 5lg	tiDK
6680	1957		German Pirates	D	LSB smalltalk: Hollydays	tiDK
6690	2041		German Pirates	D	LSB smalltalk: HF-Equipment	tiDK
6790	2224		unid	?	cw-msg 5ng	tiDK
6844,5	2055	FDC	AF Metz	F	cw-id vvv vvv vvv	tiDK
6856,5	1853	FDC	AF Metz	F	cw-id vvv vvv vvv	tiDK
6867,5	0932		unid	?	cw-msg 5ng	tiDK
6912	2139		Numbers X44 (MOSSAD)	ISR	AM `VLB2`	ti25
6923	2057		unid	?	cw-msg 5lg, fast handkeyer	tiDK
6925	2127		unid	?	cw-msg 5lg	ti25
6940	0934		unid	?	cw-cont E6TM E6TM E6TM ...	tiDK
6959	1734		Numbers LP04 (MI6)	CYP	USB msg 5ng	tiDK
6960	2216		Numbers E16 (CIA)	USA	AM msg 5ng	ti25
6984	1801	SNN299	MFA Warszawa	POL	cw-id: vvv DE SNN299 PSE GT	tiDK

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7038,9	1950		Ny Arkhangelsk	RUS	cw-channelmarker `S`	abNL
7039	1950		Ny Moscow	RUS	cw-channelmarker `C`	abNL
7064,4	1919		channel marker `H`	RUS	cw-active since ca 15 August. Location unknown	abNL
7472,5	0730	FDC	AF Metz	F	cw-id vvv vvv vvv	tiDK
7513	1904	FDG	AF Bordeaux	F	cw-id vvv vvv vvv	ti25
7540	1906		Numbers X46 (MOSSAD)	ISR	AM msg 5lg	ti25
7572,5	1815	FDC	AF Metz	F	cw-id vvv vvv vvv	tiDK
7605	2320		Numbers X47 (MOSSAD)	ISR	`KPA2`	tiDK
7632	0733		unid	?	cw-msg 5lg, cyrilic	tiDK
7668	1945	8BY	Intel St. Asisse	F	cw-clg for 629/246	ti25
7756	2103		Ny Arkhangelsk	RUS	cw-channelmarker `S`	tiDK
7834,5	0855	FDC	AF Metz	F	cw-id vvv vvv vvv	tiDK
7863,5	2229	SPW	Warsaw Radio	POL	cw marker	abNL
7896	1904		unid	?	USB crypto-vox	tiDK
7918	1820		Numbers X48 (MOSSAD)	ISR	AM msg 5lg	tiDK
7957	0947		unid	?	cw-msg 5lg, cyrilic	tiDK
7977	0917		unid	?	cw-msg 5lg	tiDK
8075	1823		unid	?	SSB 2 tones, cont changing	tiDK
8075	1838	VBM	unid, tactical	?	cw VBM VBM VBM QSY 13383 QST	tiDK
8085	1740		Numbers E29 (CIA)	USA	AM msg 5lg	ti25
8094,5	1739	FDC	AF Metz	F	cw-id vvv vvv vvv	tiDK
8495	1955		Ny Moscow	RUS	cw-channelmarker `C`	abNL
8641	1850		Numbers X52 (MOSSAD)	ISR	AM `SYN2`	tiDK
9070	1809		Numbers E32 (CIA)	USA	AM 805, count 123	tiDK
9130	1920		Numbers X53 (MOSSAD)	ISR	AM msg 5lg	tiDK
9219	1747		Numbers E 35 (CIA)	USA	AM msg 5lg	ti25
9251	1912		Numbers LP08 (MI6)	CYP	USB msg 5ng	tiDK
9256	2159	4XZ	Ny Haifa	ISR	cw-id vvv DE 4XZ 4XZ = =	tiDK
10000	0747	8BY	Intel St. Asisse	F	cw-msg, spurious?	tiDK
10046	1926	4XZ	Ny Haifa	ISR	cw-id vvv DE 4XZ 4XZ = =	tiDK
10144	0918	DK0WCY	DARC Suederbraup	D	cw-id DK0WCY BEACON + tone	tiDK
10247	1326		Numbers E35 (CIA)	USA	AM msg 5ng	ti25
10248	2055	8BY	Intel St. Asisse	F	cw-clg for 753/023/673/155/	ti25
10314	0859	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	tiDK
10352	1948		Numbers X57 (MOSSAD)	ISR	AM wgk `CIO2`	ti25
10355	2100	4XZ	Ny Haifa	ISR	cw-vvv DE 4XZ 4XZ = =	ti25
10452	2105		unid	?	cw-msg 5ng	ti25
10470,5	2106	FDC	AF Metz	F	cw-vvv vvv vvv	ti25
10520	1951	FDG	AF Bordeaux	F	cw-id vvv vvv vvv	ti25
10538	2108		Numbers E39 (CIA)	USA	USB 212 count 124	ti25
10552	1935	VTK	Ny Tuticorin	IND	cw-id vvv vvv vvv VTK...	tiDK
10648	1852		Numbers X58 (MOSSAD)	ISR	AM msg 5lg	tiDK
10871,9	1956		Ny Arkhangelsk	RUS	cw-channelmarker `S`	abNL
10872	1956		Ny Moscow	RUS	cw-channelmarker `C`	abNL
10872	1856		Ny Arkhangelsk	RUS	cw-channelmarker `S`	tiDK
10996	1828	FDI8	AF Nice	F	cw-id vvv vvv vvv	ti25
11436	2102		unid	?	cw-msg 5l	tiDK
11545	2125		Numbers LP10 (MI6)	CYP	USB msg 5ng	ti25
11565	2103		Numbers X61 (MOSSAD)	ISR	AM `CIO` group 24	tiDK
12603	1847	SVU	Olympia Radio	GRC	cw marker	abNL
12747	1447		Numbers X63 (MOSSAD)	ISR	AM `CIO2`	tiDK
13257,9	1957		Ny Arkhangelsk	RUS	cw-channelmarker `S`	abNL
13258	1957		Ny Moscow	RUS	cw-channelmarker `C`	abNL
13375	1602		Numbers LP13 (MI6)	CYP	USB 01399	tiDK
13533	2016		Numbers X65 (MOSSAD)	ISR	AM msg 5lg	tiDK
13945	1607	FDI8	AF Nice	F	cw-id vvv vvv vvv	tiDK
14487	1337		Numbers LP14 (MI6)	CYP	USB msg 5ng	ti25
14695	1531	4XZ	Ny Haifa	ISR	cw-id vvv DE 4XZ 4XZ = =	tiDK
14866	1340		Numbers X68 (MOSSAD)	ISR	AM clg CIO2	ti25
14931	1752	8BY	Intel St. Asisse	F	cw-218/538/982/775/934/837	tiDK
15980	1232		Numbers X69 (MOSSAD)	ISR	AM `EZI2`	tiDK
16084	1344		Numbers LP16 (MI6)	CYP	USB msg 5ng	ti25
16331,9	1958		Ny Arkhangelsk	RUS	cw-channelmarker `S`	abNL
16332	1958		Ny Moscow	RUS	cw-channelmarker `C`	abNL
16332	1257		Ny Arkhangelsk	RUS	cw-channelmarker `S`	tiDK
17499	1303		Numbers CP05 (MI6)	GUM	USB 59258	tiDK
17526	1324	4XZ	Ny Haifa	ISR	cw-vvv DE 4XZ 4XZ = =	tiDK

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18415	1746	8BY	Intel St. Asisse	F	cw-876/306/780	tiDK
18426	1748	4XZ	Ny Haifa	ISR	cw-vvv DE 4XZ 4XZ = =	tiDK
18438	1749		unid	?	cw-msg 5lg cyrilic	tiDK
18443,5	1751		unid	?	cw-msg 5lg	tiDK
18481	1351	4XZ	Ny Haifa	ISR	cw-vvv DE 4XZ 4XZ = =	ti25

## M A R I T I M E

447	0042	ICB	Genova Radio	I	cw	abNL
447	2318	ICB	Genova Radio	I	cw-nav-wngs	tiDK
512,5	2321	IQX	Trieste Radio	I	cw-nav-wngs	tiDK
514,5	2322	IPB	Bari Radio	I	cw-nav-wngs	tiDK
1608,5	2202	SPA	Gdynia Radio	POL	cw-sitor-id	tiDK
1613	0811	OXZ	Lyngby Radio	DNK	cw-sitor-id	tiDK
1677	2026	EAS	Cabo Penas Radio	E	USB pp to Sevilla	tiDK
1704	2108	OXZ	Lyngby Radio	DNK	USB nav-wngs,tx-site Lyngby	tiDK
1734	2109	OXZ	Lyngby Radio	DNK	USB nav-wngs,tx-siteBlavand	tiDK
1767	2111	OXZ	Lyngby Radio	DNK	USB pp to Norrkoeping	tiDK
1794	2035	SPO	Szczecin Radio	POL	USB traffic list	tiDK
1925	2040	IPL	Livorno Radio	I	USB wkg auto-nav-wngs	tiDK
2182	2008		Amerada Hess 001	IW	wkg Toisa Lion	ai47
2331	2119		Dutch ships	IW	USB smalltalk: Towing	tiDK
2357,5	2024	OUA33	Ny Aarhus	DNK	cw-id vvv vvv vvv OUA OVK	tiDK
2361	2032		German ships	IW	USB smalltalk: Athletics	tiDK
2366	2026		Dutch ships	IW	USB smalltalk: MS PLUTO	tiDK
2391	2034		Belgian ships	IW	USB smalltalk: Phoning	tiDK
2586	2147	OXZ	Lyngby Radio	DNK	USB nav-wngs, YL in DNK	tiDK
2624	2145	IQX	Trieste Radio	I	USB auto nav-wngs	ti25
2643	2126	A9M	Bahrain Radio	BHR	cw-sitor-id	tiDK
2643,5	2211	SPS	Witowo Radio	POL	cw-sitor-id	tiDK
2656	2147	IPA	Ancona Radio	I	USB auto nav-wngs	ti25
2680	2032	IDC	Cagliari Radio	I	USB auto nav-wngs	tiDK
2716	2215		unid F Ny vessel	IW	USB msg to MARINE PARIS	tiDK
2719	2042	IZN	Porto Torres Radio	I	USB pp to Augusta	tiDK
2768	2212	SAE	Tingstaede Radio	S	USB wx for Baltic Sea	tiDK
2772	0819		Danish or Swedish ships	IW	USB smalltalk: Telephone	tiDK
2806	2218	EAF	Cabo Finisterre Radio	E	USB pp to Pamplona, ending	tiDK
2810	1939	OFK	Turku Radio	FIN	USB nav-wng in EE & FIN	tiDK
3008	1841		German ships	IW	USB smalltalk: Fishing	tiDK
3165	1847		Dutch ships	IW	USB smalltalk: Radiocomms	tiDK
3282	2152		German Ships	IW	USB smalltalk: soccer	ti25
3373	2134		English ships	IW	USB smalltalk: Internet	tiDK
3712	2148	SXA33	Ny Athinai	GRC	cw-id vvv vvv vvv DE SXA33	tiDK
4210,5	1806	IAR	Roma Radio	I	cw-sitor-id	tiDK
4210,5	1807	ESA	Tallin Radio	EST	cw-sitor-id	tiDK
4210,5	2328	A9M	Bahrain Radio	BHR	cw-sitor-id	tiDK
4216	1808	TAH	Istanbul Radio	TUR	cw-sitor-id	tiDK
4216,5	1810	IAR	Roma Radio	I	cw-sitor-id	tiDK
4218	1809	OST	Oostend Radio	BEL	cw-sitor-id	tiDK
4218	2335	LPD	General Pacheco Radio	ARG	cw-sitor-id	tiDK
4218,5	1811	LZW	Varna Radio	BUL	cw-sitor-id	tiDK
4219,5	2333	UIW	Kaliningrad Radio	KAL	cw-sitor-id: DE UIW KLD	tiDK
4241	1813	LGW	Rogaland Radio	NOR	cw-CQ CQ CQ DE LGW LGJ...	tiDK
4256	1815	A9M	Bahrain Radio	BHR	cw-sitor-clover-id	tiDK
4259	1816	SAB	Goeteborg Radio	S	cw-sitor-clover-id	tiDK
4262	1817	LFI	Rogaland Radio	NOR	cw-sitor-clover-id	tiDK
4294	1818	SXA34	Ny Athinai	GRC	cw-id vvv vvv vvv DE SXA34	tiDK
4325	1820		Ny Ustinov	RUS	cw-channelmarker `R`	tiDK
4331	1821	4XZ	Ny Haifa	ISR	cw-id vvv DE 4XZ 4XZ = =	tiDK
4396	1826		unid	?	cw-cont. FCQP = A7KY +	tiDK
5064	2306	9MB	Ny Lumut	MLA	cw-id vvv vvv vvv 9MB ....	tiDK
6315,5	1907	KFS	Palo Alto Radio, CA	USA	cw-sitor-clover-id	tiDK
6316	1905	UFN	Novorossisk Radio	RUS	cw-sitor-id	tiDK
6316	2159	LSD836	Buenos Aires Radio	ARG	cw-sitor-id	tiDK
6321	1904	SVU	Athinai Radio	GRC	cw-sitor-id	tiDK
6321,5	2203	LZW	Varna Radio	BUL	cw-sitor-id	tiDK
6322	2202	VRX	Hongkong Radio	CHN	cw-sitor-id	tiDK
6323	2205	SAB	Goeteborg Radio	S	cw-sitor-clover-id	tiDK

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6324	2206	WCC	Chatham Radio, MA	USA	cw-sitor-clover-id: VCT/WCC	tiDK
6326,5	2209	SAB	Goeteborg Radio	S	cw-sitor-clover-id	tiDK
6329,5	2208	VCT	Tors Cove Radio	CAN	cw-sitor-clover-id	tiDK
6330	2207	LZW	Varna Radio	BUL	cw-sitor-id	tiDK
6330,5	2210	8PO	Barbados Radio	BRB	cw-sitor-clover-id	tiDK
6356,5	2213	9MG	Penang Radio	MLA	cw-sitor-clover-id	tiDK
6379	2214	4XZ	Ny Haifa	ISR	cw-id vvv DE 4XZ 4XZ = =	tiDK
6467	0911	LFI	Rogaland Radio	NOR	cw-sitor-clover-id	tiDK
6493,5	2216	HEC	Bern Radio	SUI	cw-sitor-clover-id	tiDK
6779	1226	DHJ59	Ny wilhelmshaven	D	USB wkg DRAO, msgs, qsl	tiDK
6779	1759	DRAX	FGS Gorch Fock	IW	USB wkg DHJ59, msgs, qsl	tiDK
6779	2038	DRAK	FGS Mecklenburg-Vorpommer	IW	USB wkg DHJ59, comms prob	tiDK
8335,3	2052	DRKH	FGS Meersburg	IW	USB clg DHJ59 rdock zbo msg	ti25
8417	2003	GXE3	Portishead Radio	G	cw-sitor-id	ti25
8417,5	2004	XSV	Tianjin Radio	CHN	cw-sitor-id	ti25
8418	2005	IAR	Roma Radio	I	cw-sitor-id	ti25
8418	2235	LSD836	Buenos Aires Radio	ARG	cw-sitor-id	tiDK
8419	2006	VIP	Perth Radio	AUS	cw-sitor-clover-id	ti25
8420,5	2007	HEC	Bern Radio	SUI	cw-sitor-id	ti25
8420,5	2008	9VG	Singapore Radio	SNG	cw-sitor-id	ti25
8421,5	0924	LZW	Varna Radio	BUL	cw-sitor-id: DE LZW LZW	tiDK
8421,5	2027	VRX	Hongkong Radio	CHN	cw-sitor-id	ti25
8421,5	2236	9AR	Rijeka Radio	HRV	cw-sitor-id	tiDK
8422	2009	ESA	Tallin Radio	EST	cw-sitor-id	ti25
8423	2010	SVT	Athinai Radio	GRC	cw-sitor-id (not SVU!!!)	ti25
8424	0929	SVU	Athinai Radio	GRC	cw-sitor-id (not SVT!!!)	tiDK
8424	0928	UDK2	Murmansk Radio	RUS	cw-sitor-id	tiDK
8425,5	2011	HEC	Bern Radio	SUI	cw-sitor-id	ti25
8426,5	2012	WCC	Chatham Radio, MA	USA	cw-sitor-clover-id: VCT/WCC	ti25
8427	2013	A9M	Bahrain Radio	BHR	cw-sitor-id	ti25
8427	2014	SPA	Gdynia Radio	POL	cw-sitor-id	ti25
8427	0927	OXZ	Lyngby Radio	DNK	cw-sitor-id	tiDK
8428	0931	NMN	USCG Chesapeake, VA	USA	cw-sitor-id	tiDK
8430	2015	UJE	Nizhnij-Novgorod Radio	RUS	cw-sitor-id	ti25
8431	2016	TAH	Istanbul Radio	TUR	cw-sitor-id	ti25
8431,5	2017	UAT	Moskva Radio	RUS	cw-sitor-id	ti25
8431,5	2018	ZSC	Capetown Radio	AFS	cw-sitor-clover-id	ti25
8432,5	0935	UFN	Novorossiisk Radio	RUS	cw-sitor-id	ti25
8433	2020	XSG	Shanghai Radio	CHN	cw-sitor-id	ti25
8434	2021	TAH	Istnabul Radio	TUR	cw-sitor-id	ti25
8435	2022	VCT	Tors Cove Radio	CAN	cw-sitor-clover-id	ti25
8435,5	0937	OST	Oostend Radio	BEL	cw-sitor-id	tiDK
8448	2036	A9M	Bahrain Radio	BHR	cw-id CQ DE A9M CQ DE A9M	ti25
8489	2041	AQP	Ny Karachi	PAK	cw-id vvv vvv vvv	ti25
8494,9	2043	RMP	RUS Ny Kaliningrad	KAL	cw-channelmarker P	ti25
8495	2042	RCV	Ny Moskva	RUS	cw-channelmarker C	ti25
8496	2307	CLA	Habana Radio	CUB	cw-CQ CQ DE CLA CLA QSX ...	tiDK
8507	0939		unid	?	cw-msg 10ng !!!	tiDK
8510	2257	J2A8	Djibouti Radio	DJI	cw-CQ CQ CQ DE J2A8 J2A8 J2	ti25
8530	2045	9VG	Singapore Radio	SNG	cw-CQ CQ CQ DE 9VG 9VG 9VG	ti25
8541	2046	A9M	Bahrain Radio	BHR	cw-sitor-clover-id	ti25
8557	2048	SPB	Szczecin Radio	POL	cw-sitor-id	ti25
8559,5	2050	GKB	Portishead Radio	G	cw-id DE GKB QSX 2 3	ti25
8573	2309	CLA	Habana Radio	CUB	cw-CQ CQ DE CLA CLA QSX ...	tiDK
8574	2052	LGB	Rogaland Radio	NOR	cw-id CQ CQ CQ DE ...	ti25
8577	2053	HLO	Seoul Radio	KOR	cw-id CQ CQ CQ DE HLO HLO	ti25
8597	2312	HEC	Bern Radio	SUI	cw-sitor-clover-id	tiDK
8624	2054	XSQ	Guangzhou Radio	CHN	cw-id CQ CQ CQ DE ...	ti25
8634	2318	VTG	Ny Mumbai	IND	cw-id vvv vvv vvv VTG VTG	tiDK
8636	2056	HLW	Seoul Radio	KOR	cw-di CQ CQ CQ DE HLW HLW	ti25
8651,5	2319		Ny Ustinov	RUS	cw-channelmarker `R`	tiDK
8662	2320	TAH	Istanbul Radio	TUR	cw-id DE TAH QSX 8 MHZ CH 3	tiDK
8665	2058	XSG	Shanghai Radio	CHN	cw-CQ CQ DE XSG XSG PLS UP	ti25
8670	2100	IAR	Roma Radio	I	cw-id vvv vvv vvv ...	ti25
8675,5	2322	VCS	Halifax CoastGuard	CAN	cw-sitor-clover-id	tiDK
8683,5	0957	LFI	Rogaland Radio	NOR	cw-sitor-clover-id	tiDK
8686	0958	IRM	Roma Medico Radio	I	cw-id vvv vvv vvv DE IRM	IRtiDK
8698	2325	7TF	Boufarik Radio	ALG	cw-id CQ CQ CQ DE 7TF 7TF	7tiDK

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10192,3	1843	DRAO	FGS Luebeck	IW	USB	clg DHJ59, rdock, grv	tiDK
10192,3	2051	DHJ59	Ny wilhelmshaven	D	USB	wkg unid, qsy mr159-08	ti25
10192,3	2218	DRHG	FGS Oker	IW	USB	clg DHJ59, rdock, zbo	mtiDK
10341	1003	HEC	Bern Radio	SUI	cw-sitor-clover-id		tiDK
10722	1804	DHJ59	Ny wilhelmshaven	D	USB	wkg DRHG,msgs,qs1,gru+	tiDK
10722	1820	DRAI	FGS Schleswig-Holstein	IW	USB	wkg DHJ59,msg qs1 gru+	ti25
10722	2039	DRAK	FGS Mecklenburg-Vorpommer	IW	USB	clg DHJ59,r/c,no joy	tiDK
10722	2215	DRHG	FGS Oker	IW	USB	wkg DHJ59,ZBZ-NIL,qsy	?tiDK
12415,3	1525	DRHG	FGS Oker	IW	USB	wkg DHJ59,msg,qs1, off!	tiDK
12415,3	1845	DHJ59	Ny wilhelmshaven	D	USB	wkg DRDT,px-svc	tiDK
12579,5	2222	9VG	Singapore Radio	SNG	cw-sitor-id		tiDK
12581	2124	LSD836	Buenos Aires Radio	ARG	cw-sitor-id		ti25
12581,5	1010	WLO	Mobile Radio, AL	USA	cw-sitor-id		tiDK
12583,5	2224	CBV	Playa Ancha Zonal Radio	CHL	cw-sitor-id		tiDK
12585,5	2126	VRX	Hongkong Radio	CHN	cw-sitor-id		ti25
12587	1014	LZW	Varna Radio	BUL	cw-sitor-id: DE LZW LZW		tiDK
12588	1013	HEC	Bern Radio	SUI	cw-sitor-id		tiDK
12589	1015	NMO	USCG Honolulu	HWA	cw-sitor-id		tiDK
12589,5	2228	WCC	Chatham Radio, MA	USA	cw-sitor-clover-id		tiDK
12591,5	2227	UFL	Vladivostok Radio	RUS	cw-sitor-id		tiDK
12592,5	2226	NMN	USCG Chesapeake, VA	USA	cw-sitor-id		tiDK
12593	1016	ESA	Tallin Radio	EST	cw-sitor-id		tiDK
12594	2128	PPR	Rio de Janeiro Radio	B	cw-sitor-id		ti25
12594,5	2229	A9M	Bahrain Radio	BHR	cw-sitor-id: DE A9M TLX		tiDK
12597,5	2234	UFN	Novorossiisk Radio	RUS	cw-sitor-id		tiDK
12598	2233	SPA	Gdynia Radio	POL	cw-sitor-id		tiDK
12599	2236	WLO	Mobile Radio, AL	USA	cw-sitor-clover-id		tiDK
12599,5	2235	UAT	Moskva Radio	RUS	cw-sitor-id		tiDK
12600,5	2130	HEC	Bern Radio	SUI	cw-sitor-id		ti25
12601,5	2237	OXZ	Lyngby Radio	DNK	cw-sitor-id		tiDK
12602,5	2239	IAR	Roma Radio	I	cw-sitor-id		tiDK
12603	1847	SVU	Olympia Radio	GRC	cw marker		tiDK+abNL
12608	1435	UAT	Moskva Radio	RUS	cw-sitor-id		tiDK
12610,5	2240	VCT	Tors Cove Radio	CAN	cw-sitor-clover-id		tiDK
12613	2241	XSQ	Guangzhou Radio	CHN	cw-sitor-id		tiDK
12615	1439	USU	Mariupol Radio	UKR	cw-sitor-id		tiDK
12616	1438	LZW	Varna Radio	BUL	cw-sitor-id: DE LZW LZW		tiDK
12629	1919	KHF	Guam Radio	GUM	cw-sitor-clover-id		tiDK
12649,5	1440	XSG	Shanghai Radio	CHN	cw-sitor-id		tiDK
12660	1441	LFI	Rogaland Radio	NOR	cw-sitor-clover-id		tiDK
12673,5	1442	A9M	Bahrain Radio	BHR	cw-sitor-clover-id		tiDK
12678	1443	LFI	Rogaland Radio	NOR	cw-sitor-clover-id		tiDK
12709	1444	A9M	Bahrain Radio	BHR	cw-CQ DE A9M CQ DE A9M		tiDK
12712	1930	HLF	Seoul Radio	KOR	cw-sitor-clover-id		tiDK
12727	1935	HLF	Seoul Radio	KOR	cw-sitor-clover-id		tiDK
12727,5	1445	LGJ	Rogaland Radio	NOR	cw-id CQ CQ CQ DE LGW LGJ		.tiDK
12735	1446	URL	Sevastopol Radio	UKR	cw-CQ CQ DE URL URL ANS		..tiDK
12756,5	1943	A9M	Bahrain Radio	BHR	cw-sitor-clover-id		tiDK
12771	1449	7TF	Boufarik Radio	ALG	cw-id CQ CQ CQ DE 7TF 7TF 7TF		7tiDK
12781,5	2004	9MB	Ny Lumut	MLA	cw-id vvv vvv vvv 9MB 1/3/4		tiDK
12801	2006	TAH	Istanbul Radio	TUR	cw-CQ CQ DE TAH TAH QSX 12		tiDK
12808,5	2017	VTG	Ny Mumbai	IND	cw-vvv vvv vvv VTG 4/6/7		..tiDK
12831	2047	9MG	Penang Radio	MLA	cw-sitor-clover-id		tiDK
12843	2049	HLO	Seoul Radio	KOR	cw-id CQ CQ CQ DE HLO HLO		HtiDK
12856	1451	XSG	Shanghai Radio	CHN	cw-CQ CQ DE XSG XSG PLS UP		tiDK
12864	1453	XSW	Kaohsiung Radio	TWN	cw-CQ CQ DE XSW XSW QSX		..tiDK
12910	2102	UAT	Moskva Radio	RUS	cw-CQ CQ CQ DE UAT UAT UAT		tiDK
12916,5	2103	HLF	Seoul Radio	KOR	cw-id CQ CQ CQ DE HLF HLF		HtiDK
12923	2104	HLW	Seoul Radio	KOR	cw-id CQ CQ CQ DE HLW HLW		HtiDK
12939	2107	SPE	Szczecin Radio	POL	cw-DE SPE 42/61 QSX 8367R7		tiDK
12955	2112	UFL	Vladivostok Radio	RUS	cw-vvv CQ CQ DE UFL UFL		UFLtiDK
12966.2	1455	A7D	Doha Radio	QAT	cw-DE A7D DE A7D DE A7D		tiDK
13002	1456	HEC	Bern Radio	SUI	cw-sitor-clover-id		tiDK
13015,5	1459	IAR	Roma Radio	I	cw-id vvv vvv vvv DE IAR		IAtiDK
13033,5	1501	VCS	Halifax CoastGuard	CAN	cw-sitor-clover-id		tiDK
13062	2125	CLA	Habana Radio	CUB	cw-id CQ CQ CQ DE CLA CLA		CtiDK
13063,5	2130	VIE	Darwin Radio	AUS	cw-sitor-clover-id		tiDK
13066,5	1504	VIE	Darwin Radio	AUS	cw-sitor-clover-id		tiDK

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13072.4	1516	KFS	Palo Alto Radio, CA	USA	cw-sitor-clover-id	tIDK
15929	1230	DRHF	FGS Alster	IW	USB wkg DHJ59, msgs, qsl	tIDK
16807,5	2104	ZLA	Awanui Radio	NZL	cw-sitor-clover-id	tIDK
16808	0750	SPA	Gdynia Radio	POL	cw-sitor-id	tIDK
16809	1541	WLO	Mobile Radio, AL	USA	cw-sitor-id	tIDK
16809,5	0752	VIP	Perth Radio	AUS	cw-sitor-clover-id	tIDK
16811	0754	CBV	Playa Ancha Zonal Radio	CHL	cw-sitor-id	tIDK
16811,5	2108	A9M	Bahrain Radio	BHR	cw-sitor-id: DE A9M TLX	tIDK
16812	2110	CBV	Playa Ancha Zonal Radio	CHL	cw-sitor-id	tIDK
16812,5	0757	NRV	USCG Agana	GUM	cw-sitor-id	tIDK
16813	0756	UAT	Moskva Radio	RUS	cw-sitor-id	tIDK
16814	1546	WLO	Mobile Radio, AL	USA	cw-sitor-id	tIDK
16814,5	0759	CBV	Playa Ancha Zonal Radio	CHL	cw-sitor-id	tIDK
16814,5	0800	HEC	Bern Radio	SUI	cw-sitor-id	tIDK
16816	1552	WNU	Slidell Radio, LA	USA	cw-sitor-id	tIDK
16816,5	1553	NMC	USCG Point Reyes, CA	USA	cw-sitor-id	tIDK
16817	1554	WCC	Chatham Radio, MA	USA	cw-sitor-clover-id	tIDK
16817,5	1555	KPH	San Francisco Radio, CA	USA	cw-sitor-clover-id	tIDK
16818,5	1551	9VG	Sinbgapore Radio	SNG	cw-sitor-id	tIDK
16819,5	0804	NMN	USCG Chesapeake, VA	USA	cw-sitor-id	tIDK
16820	0802	IAR	Roma Radio	I	cw-sitor-id	tIDK
16821	0806	VRX	Hongkong Radio	CHN	cw-sitor-id	tIDK
16821,5	0803	OXZ	Lyngby Radio	DNK	cw-sitor-id	tIDK
16822,5	0805	9VG	Singapore Radio	SNG	cw-sitor-id	tIDK
16825	1632	WCC	Chatham Radio, MA	USA	cw-sitor-clover-id: VCT/WCC	tIDK
16826	1633	ESA	Tallin Radio	EST	cw-sitor-id	tIDK
16830	0809	HEC	Bern Radio	SUI	cw-sitor-id	tIDK
16830,5	0810	SVU	Athinai Radio	GRC	cw-sitor-id	tIDK
16838,5	1937	9AR	Rijeka Radio	HRV	cw-sitor-id	tIDK
16839,5	0811	UFN	Novorossiisk Radio	RUS	cw-sitor-id	tIDK
16840,5	0813	RRR34	unid, Batumi Radio???	RUS	cw-sitor-id	tIDK
16841,5	0814	8PO	Barbados Radio	BRB	cw-sitor-clover-id	tIDK
16851,5	0815	SAB	Goetheborg Radio	S	cw-sitor-clover-id	tIDK
16869	1642	KHF	Guam Radio	GUM	cw-sitor-clover-id	tIDK
16874	1658	UDK2	Murmansk Radio	RUS	cw-sitor-id	tIDK
16879	0817	LZW	Varna Radio	BUL	cw-sitor-id	tIDK
16880	0818	XSQ	Guangzhou Radio	CHN	cw-sitor-id	tIDK
16892	0819	XSQ	Guangzhou Radio	CHN	cw-sitor-id	tIDK
16903	1715	UIW	Kaliningrad Radio	KAL	cw-sitor-id: DE UIW KLD	tIDK
16904	0831	UDK2	Murmansk Radio	RUS	cw-sitor-id	tIDK
16914,5	1716	SPB	Szczecin Radio	POL	cw-sitor-id	tIDK
16932	1717	7TF	Boufarik Radio	ALG	cw-CQ CQ CQ DE 7TF 7TF 7TF	tIDK
16935	0834	A7D	Doha Radio	QAT	cw-id DE A7D DE A7D DE A7D	tIDK
16938	0835		unid	?	cw-msg 4ng, 0=T	tIDK
16940	1718	XSW	Kaohsiung Radio	TWN	cw-CQ CQ DE XSW XSW K	tIDK
16990	1722	HLO	Seoul Radio	KOR	cw-CQ CQ CQ DE HLO HLO HLO	tIDK
17009	1723	UIW	Kaliningrad Radio	KAL	cw-sitor-id: DE UIW KLD	tIDK
17045,5	0838	9MG	Penang Radio	MLA	cw-sitor-clover-id	tIDK
17050	0839	4XZ	Ny Haifa	ISR	cw-id vvv DE 4XZ 4XZ = =	tIDK
17066,5	0840	A9M	Bahrain Radio	BHR	cw-sitor-clover-id	tIDK
17074	0841	LGX	Rogaland Radio	NOR	cw-id CQ CQ CQ DE LGW LGJ	tIDK
17079	0842	HLF	Seoul Radio	KOR	cw-sitor-clover-id	tIDK
17092.7	0843	AQP	Ny Karachi	PAK	cw-id vvv vvv vvv DE AQP AQT	tIDK
17132	0845	XSV	Tianjing Radio	CHN	cw-sitor-clover-id	tIDK
17147	0854	URL	Sevastopol Radio	UKR	cw-CQ CQ DE URL URL ANS ...	tIDK
17160.8	0846	IAR	Roma Radio	I	cw-wkg tfc-list	tIDK
17175,5	0855	A9M	Bahrain Radio	BHR	cw-CQ DE A9M CQ DE A9M	tIDK
17206,5	0857	IAR	Roma Radio	I	cw-id vvv vvv vvv DE IAR IAT	tIDK
17220	1734	VIE	Darwin Radio	AUS	cw-sitor-clover-id	tIDK
19687	1028	KHF	Guam Radio	GUM	cw-sitor-clover-id	tIDK
19692,5	1030	ZSC	Capetown Radio	AFS	cw-sitor-clover-id	tIDK
19697,5	1034	SPB	Szczecin Radio	POL	cw-sitor-id	tIDK
19698	1032	OST	Oostend Radio	BEL	cw-sitor-id	tIDK
19699	1033	UFN	Novorossiisk Radio	RUS	cw-sitor-id	tIDK
19708	1035	SAB	Goeteborg Radio	S	cw-sitor-clover-id	tIDK
19726	1036	A9M	Bahrain Radio	BHR	cw-sitor-clover-id	tIDK
19736	1037	ZLA	Awanui Radio	NZL	cw-sitor-clover-id	tIDK
19741,5	1202	8PO	Barbados Radio	BRB	cw-sitor-clover-id	tIDK

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19750,5	1205	9MG	Penang Radio	MLA	cw-sitor-clover-id	tiDK
22379	0636	VRX	Hongkong Radio	CHN	cw-sitor-id	tiDK
22382	1211	NRV	USCG Agana	GUM	cw-sitor-id	tiDK
22383	1213	VIP	Perth Radio	AUS	cw-sitor-clover-id	tiDK
22385	1214	OXZ	Lyngby Radio	DNK	cw-sitor-id	tiDK
22389,5	1215	NMN	USCG Chesapeake, VA	USA	cw-sitor-id	tiDK
22389,5	1216	NMO	USCG Honolulu	HWA	cw-sitor-id	tiDK
22407,5	1217	UAT	Moskva Radio	RUS	cw-sitor-id	tiDK
22425	1218	KHF	Guam Radio	GUM	cw-sitor-clover-id	tiDK
22445	1220	UIW	Kaliningrad Radio	KAL	cw-sitor-id: DE UIW KLD	tiDK
22456	1222	A9M	Bahrain Radio	BHR	cw-sitor-clover-id	tiDK
22465	1224	9MG	Penang Radio	MLA	cw-sitor-clover-id	tiDK
22565	1227	XSW	Kaohsiung Radio	TWN	cw-CQ CQ CQ DE XSW XSW XSW	tiDK
22575	0641	PKX	Jakarta Radio	INS	cw-CQ CQ CQ DE PKX PKX PKX	tiDK
22590	1229	VCS	Halifax CoastGuard	CAN	cw-sitor-clover-id	tiDK
22628,5	0644	VTG	Ny Mumbai	IND	cw-id vvv vvv vvv VTG VTG V	tiDK
22681,5	1232	VIE	Darwin Radio	AUS	cw-sitor-clover-id	tiDK
22688	1234	XSV	Tianjing Radio	CHN	cw-sitor-clover-id	tiDK
26121	1244	UIW	Kaliningrad Radio	AUS	cw-sitor-id: DE UIW KLD	tiDK
26132,5	1245	ZSC	Capetown Radio	AFS	cw-sitor-clover-id	tiDK
8430	1850	RRR34	UNID	?	cw-id + SITOR	zeTC
8510	1926	J2A8	Djibouti R.	DJI	cw-cq de J2A8 qsx	zeTC
12580	0524	ZLA	Awanui R.	NZL	cw-id + SITOR	zeTC
12584	0528	LSD836	Argentina R.	ARG	cw-id + SITOR	zeTC
12584,5	0530	CBV	Playa Ancha R.	CHL	cw-id + SITOR	zeTC
12966,8	1421	A7D	Doha R.	QAT	cw-de A7D	zeTC

## A E R O (Ground - stations)

2428	2210	MKL	RAF Pitreavie	G	CW TAF-wx for EGPB	tiDK
2869	2137		Yekaterinburg Volmet	RUS	USB wx for Yekaterinburg	tiDK
2941	2051		Kiev Volmet	UKR	USB wx for Kiev	tiDK
2941	2129		Rostov Volmet	RUS	USB wx for Karaganda	tiDK
2941	2139		St. Petersburg Volmet	RUS	USB id, off!	tiDK
3413	0822		Shannon Volmet	IRL	USB wx for Keflavik	tiDK
4645	1830		Tallin Volmet	EST	USB auto-wx	tiDK
4742	1831	ARCHITECT	RAF Upavon	G	USB colorstate-wx	tiDK
5245	2000	MRU04	unid RAF-Cadets	G	USB clg MRS33, code-msg	ti25
5450	2015	MVU	RAF Upavon Volmet	G	USB wx for Kinloss	tiDK
5505	2017		Shannon Volmet	IRL	USB wx for Lisboa, St. Maria	tiDK
5598	2143		Aero Shanwick	IRL	USB wkg unid, selcall	tiDK
5680	1436	..RESCUE	RCC Kinloss	G	USB wkg 193, ending, off!	tiDK
5685	0903	MKH5	RAF Cranwell	G	USB wkg C86, wx	tiDK
5691	2027		Irkutsk Volmet	RUS	USB wx, vy weak signal!	tiDK
6604	2155		Gander Volmet	CAN	USB wx for Gander	tiDK
6617	1938		St. Petersburg Volmet	RUS	USB wx for Murmansk	tiDK
6617	1953		Kiev Volmet	UKR	USB wx for Wogorsk (??)	tiDK
6679	2219		Hongkong Volmet	CHN	USB wx for unid, vy weak sig	tiDK
6730	2013		Almaty Volmet	KAZ	USB wx, vy weak signal!	tiDK
6730	2221		Tashkent Volmet	UZB	USB wx for Ashkabat	tiDK
6736	0929	BT9P	RAF Cranwell	G	USB wkg A4V, wx	tiDK
6739	2029	ARCHITECT	RAF Upavon	G	USB colorstate-wx	tiDK
6835	0850	BT9P	RAF Cranwell	G	USB clg CWL-combined, TAF-wx	tiDK
8879	1943		Aero Gander	CAN	USB wkg 726, posrep, selcall	tiDK
8888	1743		Novosibirsk Volmet	RUS	USB wx for unid, vy weak!	tiDK
8888	1944		Novosibirsk Volmet	RUS	USB wx for unid, ending, off	tiDK
8888	1945		Samara Volmet	RUS	USB id, wx for Samara	tiDK
8957	1948		Shannon Volmet	IRL	USB wx for Paris-Orly	tiDK
8992	2037	AFA	USAF Andrews, MD	USA	USB EAM for TL6M6S	tiDK
9010	0737	ARCHITECT	RAF Upavon	G	USB wx for LIPN, LIPZ, LIMJ	tiDK
10018	1934		Aero Mumbai	IND	USB wkg `968`, posrep routet	tiDK
10072	1937	SPEEDB.	BA London	G	USB wkg `741`, wx for unid,	tiDK
10315	0920	DHN66	NATO Geilenkirchen	D	USB wx for unid to MAGIC-67	tiDK
11175	1437	AJO	USF Incirlik	TUR	USB wkg EAM for ILPFOF	tiDK
11175	1545	XPH5	USAF Thule	GRL	USB wkg 354, timesced	tiDK
11205	1900	ARCHIECT	RAF Upavon	G	USB QNH-wx	tiDK
11211	1903	MKL	RAF Pitreavie	G	CW TAF-wx for EGXW	tiDK
11244	1908	AFA3	USAF Andrews, MD	USA	USB EAM for E45EQH	tiDK



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11244	1914	AJO	USAF Incirlik	TUR	USB	EAM for E4F5NI	tiDK
11253	0941	MVU	RAF Upavon Volmet	G	USB	wx for Brueggen	tiDK
11285	1928	CHENNAI	Aero Madras	IND	USB	wkg 34, posrep, selcall	tiDK
11297	0929		Rostov Volmet	RUS	USB	wx for Krasnodar	tiDK
11318	0930		Syktyvkar Volmet	RUS	USB	id, wx for Syktyvkar	tiDK
11318	0942		Novosibirsk Volmet	RUS	USB	wx for Tblisi	tiDK
11318	1007		Yekaterinburg Volmet	RUS	USB	wx for Tyumen	tiDK
11345	0932	SDJ	Stockholm Radio	S	USB	wkg MM36, opchat	tiDK
11387	0802		Sydney Volmet	AUS	USB	wx for Melbourne	tiDK
13212	0808	AJE	USAF Croughton	G	USB	EAM for ILJE60	tiDK
13264	1522		Shannon Volmet	IRL	USB	wx for Zurich	tiDK
13270	0829		Gander Volmet	CAN	USB	wx-situation, winnipegwx	tiDK
13342	1525	SDJ	Stockholm Radio	S	USB	wkg unid, pp	tiDK
15016	1533	XPH5	USAF Thule	GRL	USB	clg REACH-7852, no luck	tiDK

## A E R O (aircraft)

5680	1441	177	RAF Rescue-flight	AIR	USB	wkg Kinloss, posrep	tiDK
5680	1442	122	RAF Rescue-flight	AIR	USB	clg Kinloss for wx	tiDK
5680	1511	125	RAF Rescue-flight	AIR	USB	wkg Kinloss, sitrep	tiDK
5680	1540	131	RAF Rescue-flight	AIR	USB	wkg Kinloss, routerep	tiDK
5685	0901	CK984	RAF flight	AIR	USB	wkg MKH5, code-msg	tiDK
8906	1750	3450	AIR FRANCE - flight	AIR	USB	wkg Gander, posrep	tiDK
10315	1618	MAGIC67	NATO-AWACS	AIR	USB	wkg DHN66, sitrep	ti25
11175	1427	TURKEY130	USAF flight	AIR	USB	wkg Offutt, pp to AMCC	tiDK
11175	1443	201	REACH-flight	AIR	USB	clg Incirlik for pp to	tiDK
11247	1538	2741	ASCOTT-flight	AIR	USB	wkg ARCHITECT, posrep	tiDK
11285	1930	AOM923	unid	AIR	USB	clg CHENNAI, posrep	tiDK
11285	1933	428	SINGAPORE-AIR - flight	AIR	USB	clg CHENNAI, posrep	tiDK
11285	1934	779	LUFTHANSA - flight	AIR	USB	clg CHENNAI, posrep	tiDK
11300	2057	681	AIR ITALIA - flight	AIR	USB	wkg Triploi, posrep	tiDK
11396	2100	116	CONDOR - flight	AIR	USB	wkg New York, posrep	tiDK
15016	1531	7852	REACH-flight	AIR	USB	clg Incirlik, no luck!	tiDK

## D I G I T A L

147,3	2129	DDH47	Meteo Hamburg	D	RTTY	50 id, CQ-RY	ti25
518	0000	A	CROSS Corsen	F	FEC	navtex	abNL
518	0030	D	Coruna Radio	E	FEC	navtex	abNL
518	2310	J	Gislovshammar	S	FEC	navtex	abNL
518	2236	P	Netherlands CG	HOL	FEC	navtex	abNL
518	0020	P	Haifa Radio	ISR	FEC	navtex	abNL
518	2240	Q	Split Radio	HRV	FEC	navtex	abNL
518	2238	Q	Malinhead	IRL	FEC	navtex	abNL
518	2310	T	Oostende Radio	BEL	FEC	navtex	abNL
518	2341	W	Valentia CG	IRL	FEC	navtex	abNL
518	2344	W	CROSS La Garde	F	FEC	navtex	abNL
518	2350	X	Valencia Radio	E	FEC	navtex	abNL
1620,5	2029		unid, NATO?	?	RTTY	75 online encrypted	tiDK
1623	2203		unid, NATO?	?	RTTY	75 online encrypted	tiDK
2203	2133	MGJ	Ny Faslane	G	RTTY	75 CARB	ti25
2463	2136	IDR	Ny Roma	I	RTTY	75 CARB	ti25
2474	2137	PBC	Ny Noordwijk	HOL	RTTY	75 CARB	ti25
2575	2209		unid, NATO?	?	RTTY	75 online encrypted	tiDK
2608	2143	RFFLRE	Ny Toulon	F	RTTY	75 TESTING, RY-SG	ti25
2789	2149	FUE	Ny Brest	F	RTTY	75 RY-SG, TESTING	ti25
2806	2151	IGJ	Ny Augusta	I	RTTY	100 CARB	ti25
2813,9	2159	MTI	Ny Plymouth	G	RTTY	75 CARB	ti25
2829,5	2200	SPB	Szczecin Radio	POL	Sitor-B	BLIND-FEC, px	ti25
2845	2228	PBB	Ny Den Helder	HOL	RTTY	75 CARB	ti25
3128	2055		unid, NATO?	?	RTTY	75 online encrypted	tiDK
3390	2233	MGJ	Ny Faslane	G	RTTY	75 CARB	ti25
3764,4	2238	PBB	Ny Den Helder	HOL	RTTY	75 CARB	ti25
3782	2239	CTP	NATO Oeiras	POR	RTTY	75 NAWS QSX	ti25
3858,5	2245		unid	?	ARQ-E	86 online encrypted	ti25
4214	2252	IDR	Ny Roma	I	RTTY	75 CARB	ti25
4223	2255		unid	?	RTTY	50 msg 5ng, no wx!	ti25
4227	2256	IGJ	Ny Augusta	I	RTTY	100 CARB	ti25

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4280	2258	PBC	Ny Noordwijk	HOL	RTTY 75 CARB	abNL+ti25
4295	2214	FUE	Ny Brest	F	75bd RTTY test tape	abNL
4295	2259	FUE	Ny Brest	F	RTTY 75 TESTING, RY-SG	ti25
4322,1	2301	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
4334	2302	FUX	F Ny Le Port	REU	RTTY 75 TESTING, RY-SG	ti25
4570	1941	HZN46	Meteo Jeddah	ARS	RTTY 100 METAR-reports	ti25
4583	1942	DDK2	Meteo Hamburg	D	RTTY 50 BBXX-reports	abNL+ti25
4683,8	1947	PBB	Ny Den Helder	HOL	RTTY 75 CARB; spurious?	ti25
4798	1716		unid	?	ARQ-E 86 idle	ti25
5008,5	1955		unid GC	E	Sitor-A idle	ti25
5876,5	1725	FDY	AF Orleans	F	RTTY 50 VOYEZ LE BRICK...	ti25
6825,9	1937	GYU	RNy Gibraltar	GIB	RTTY 75 CARB	ti25
6837	2237	FDG	AF Bordeaux	F	50bd RTTY test tape	abNL
6840,5	2135	FDG	AF Bordeaux	F	RTTY 50 VOYEZ LE BRICK...	ti25
6887	2000		unid	?	ARQ-E 184 idle	ti25
6907,4	2208	CCM	Ny Punta Arenas	CHL	RTTY 100 CHL-press	ti25
6929	2213	RFFH	FF Marseille	F	ARQ-E 184.6 idle	ti25
7319	2219	SUU3	Meteo Cairo	EGY	RTTY 100 AAXX	ti25
7354	2222		unid	?	RTTY 81 unid mode	ti25
7362	1942		unid	?	RTTY 75 encrypted tfc	ti25
7399,7	2138		unid, EGY diplo?	?	Sitor-B idle	ti25
7573	2130		unid	?	RTTY 75 online encrypted	ti25
7585,7	2225	RfvITT	FF Dzaoudzi	MYT	ARQ-E3 192 idle	ti25
7591,5	2013	FDI8	AF Nice	F	RTTY 50 VOYEZ LE BRICK...	ti25
7614,1	1734		unid FF	?	ARQ-E 184.6 idle	ti25
7625	2227	HZN47	Meteo Jeddah	ARS	RTTY 100 Metar-reports	ti25
7644,2	2153	RFFVAY	FF Sarajevo	BIH	ARQ-E3 100 idle	ti25
7646	2230	DDH7	Hamburg Meteo	D	50bd RTTY wx	t i25+abNL
7678	2158		unid	?	RTTY 100 online encrypted	ti25
7731,7	1736		unid EGY diplo	?	Sitor-A arab. text	ti25
7792	2230		unid	?	RTTY 75 encrypted	ti25
8050,2	1911	RFQP	FF Djibouti	DJI	ARQ-M2 200 idle	ti25
8063,2	2235	RFFA	FF Paris MOD	F	ARQ-M2 200 idle	ti25
8105	1952	RFFX	FF Versailles	F	ARQ-E 184 idle	ti25
8128	1742		unid	?	ARQ-E 72 idle, strong signal	ti25
8151	2203	IGJ	Ny Augusta	I	RTTY 100 CARB	ti25
8168,5	1743		unid	?	RTTY 75 online encrypted	ti25
8330,3	2001	RFVI	FF Le Port	F	ARQ-E3 100 idle	ti25
8426,5	2242	WCC	Chatham Radio, DE	USA	Sitor-B svc-info, tfc-list	ti25
8439	2030	PBC	Ny Noordwijk	HOL	RTTY 75 CARB	ti25
8453	2037	RFFME	Ny Paris MOD	F	RTTY 75 TESTING, RY-SG	ti25
8475,5	2253	FUX	F Ny Le Port	REU	RTTY 75 TESTING, RY-SG	ti25
8478,5	2255	FUF	F Ny Fort de France	MRT	RTTY 75 TESTING, RY-SG	ti25
8551,5	2047	CTP	NATO Oeiras	POR	RTTY 75 NAWS, ZKR-tape	ti25
8557	1927	SPE	Szczecin Radio	POL	Sitor-A wkgMV BONITO.opchat	ti25
8568	2051	FUV	FNy Djibouti	DJI	RTTY 75 TESTING, RY-SG	ti25
8642,1	2057	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
9130	2304	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
9904,5	2307	FDY	AF Orleans	F	RTTY 50 VOYEZ LE BRICK...	ti25
9941,2	2106		unid	?	ARQ-E3 100 idle	ti25
9965	1749	FDY	AF Orleans	F	RTTY 50 VOYEZ LE BRICK...	ti25
10100,8	1811	DDK9	Meteo Hamburg	D	RTTY 50 AAXX-reports	ti25
10157,7	1940		unid	?	ARQ-E3 100 idle	ti25
10215	1617	HZN48	Meteo Jeddah	ARS	RTTY 100 METAR-reports	ti25
10366	1949		unid	?	ARQ-E 48 idle	ti25
10493,7	1817	RFTJF	FF Port Bouet	CTI	ARQ-E3 48 idle, self-test	ti25
10536	1728	CFH	Ny Halifax	CAN	RTTY 75 METAR-reports	ti25
10626	1945	RFFXL	FF Beirut	LBN	ARQ-E 184 idle	ti25
10802	2105		unid	?	RTTY 75 online encrypted	ti25
10869,2	1733	RFVI	FF Le Port	REU	ARQ-E3 100 idle	ti25
10873,7	1947	RFVI	FF Le Port	REU	ARQ-E3 100 idle	ti25
10912	1623	SNN299	MFA Warszawa	POL	POL-ARQ idle, CLARIS NR.656	ti25
10917,7	1824	RFTJ	FF Dakar	SEN	ARQ-E3 48 idle	ti25
10952	1258	HBD20	MFA Bern	SUI	Sitor-A msg 5lg	ti25
10953	1626	HBD55	SUI Emb Madrid	E	Sitor-A idle,id,ending, off	ti25
10960,7	1950	RFFA	FF Paris MOD	F	ARQ-M2 200 idle	ti25
10961,7	1734	RFFVAY	FF Sarajevo	BIH	ARQ-M2 200 idle	ti25
10962,2	2001	RFFA	FF Paris MOD	F	ARQ-M2 200 idle	ti25

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10967	1440		unid SUI diplo	? Sitor-A msg 5lg	ti25
10991,7	1952	RFFVAY	FF Sarajevo	BIH ARQ-M2 200 idle	ti25
11034,7	1831		MFA Cairo	EGY Sitor-A msg 5lg	ti25
11042	1301	SRZ	F Emb warszawa	POL FEC-A 192 msg 5lg to RFGW	ti25
11406,7	1833		unid EGY diplo	? Sitor-A arab text, opchat?	ti25
11415,2	1304	RFFA	FF Paris MOD	F ARQ-M2 200 idle	ti25
11416,7	2118	RFFVAY	FF Sarajevo	BIH ARQ-M2 200 idle	ti25
11453	2119	IMB33	Meteo Roma	I RTTY 50 AAXX-reports	ti25
11476	1316	HMF52	KCNA Pyongyang	KRE RTTY 50 EE-nx	ti25
11518,2	1836	RFFA	FF Paris MOD	F ARQ-M2 200 idle	ti25
12176	1318		unid	? RTTY 75 msgs, 5lg and 5ng!!	ti25
12204,7	1448		unid	? ARQ-E3 192 idle	ti25
12635,5	2014	LZW	Varna Radio	BUL Sitor-B wkg BUL-px	ti25
12666,5	1603	RFFME	Ny La Regine	F RTTY 75 TESTING, RY-SG	ti25
13479,7	2103	RFFA	FF Paris MOD	F ARQ-M2 200 idle	ti25
13572,5	2106	RFGW	FF Versailles	F ARQ-E 184.6 idle	ti25
13857	1647		unid, RUS diplo?	? RTTY 75 msg 5lg	ti25
13936	1456		unid	? RTTY 75 encrypted	ti25
13956	1323		MFA Tunis	TUN Sitor-B msg 5lg	ti25
13980,3	2113		unid	? ARQ-E3 100 idle	ti25
14446,3	2114	RFVI	FF Le Port	REU ARQ-E3 100 idle	ti25
14585,7	2121	RFTPA	FF N'djamena	TCD ARQ-E3 200 idle	ti25
14626,7	2122	RFLI	FF Fort de France	MRT ARQ-E3 192 idle	ti25
14927,6	1658	RFFA	FF Paris MOD	F ARQ-E3 192 idle	ti25
16012,5	1328	FDI8	AF Nice	F RTTY 50 VOYEZ LE BRICK...	ti25
16148,2	1702		unid	? ARQ-E3 200 idle	ti25
17550,9	1705	RFTJ	FF Dakar	SEN ARQ-E3 192 idle	ti25
18444	1334		unid FF	? ARQ-E 184.6 idle	ti25
19862	1553	MGJ	Ny Faslane	G RTTY 75 CARB	ti25
20805,2	1713	RFQP	FF Djibouti	DJI ARQ-M2 200 idle	ti25
20885,2	1715		unid FF	? ARQ-M2 200 idle	ti25
20975	1352	P6Z	MFA Paris	F FEC-A 192 idling vy long	ti25
8509	1910	UCE	Murmansk R.	RUS SITOR-A/170,Telegramms	zeTC
10116,9	1847	BAF4	Beijing Meteo	CHN FAX-120, sfc anal	zeTC
11149	1353	KRH51	USEmb London ?	G RTTY-75/850, foxes ID	zeTC
12142	0940	RFFKH	FF ?	F ARQ-E3-96, PP RFFHX DE	zeTC
12205	1815		UNID	? ARQ-E3-192/350, idling	zeTC
12228	1705	RFFVA	FAF Paris	F ARQ-E3-200, idling	zeTC
13924	1820		UNID	? ARQ-E3-192/375, idling	zeTC
13980	2249		UNID	? ARQ-E3-100,controle de voiezeTC	zeTC

## T I M E S I G N A L

10000	1929	BPM	SAO Lintong	CHN cw-id vvv vvv vvv	tiDK
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## Q S L - R E V I E W

ITU Station	days	rvcd/gvn	QRG	Call	Power	name
BEL-NDB Antwerp-Deurne	7	ppc/sae	355	`ONW`		lrG
F -NDB Orlean-St.Denis	14	f/d lt	322	`ORS`		lrG
FAR-NDB Myggenaes	14	ppc/ms	337	`MY`		lrG
FAR-NDB Nolso	14	ppc/ms	404	`NL`		lrG
FAR-NDB Vagar	22	ppc	348	`VG`		lrG
GTM-NDB Tika1	52	ppc,fo,lt(hrd in Mex)	385	`TKL`	60 w	ai46
HNG-NDB Jaszbereny	20	f/d lt	517	`JBR`		lrG
J -Misaki Fishery R.	26	f/d cd	12832,5	JFC		lrG
J -Muroto Fishery R.	28	ppc	12811,5	JFF		lrG
J -Shizuoka-ken Fish.R.	17	f/d cd	12811,5	JFG		lrG
LUX-NDB Luxembourg	13	f/d lt	404	`LW`		lrG
MEX-LDOC Aero Mexico	65	f/d lt, 2 fup	13339			lrG
POL-NDB Darlowo	13	f/d cd via cen-ads	409	`DAR`		lrG
POL-NDB Drezdenko	13	f/d cd via cen-ads	440	`DRE`		lrG
S -NDB Oerbro	168	f/d lt fup	400	`EN`		lrG
S -NDB Oerbro	201	f/d lt fup	375	`RB`		lrG
S -NDB Halmstad	14	f/d lt,sti	421	`MF`		lrG
SUI-NDB Gland	33	f/d lt EE rprrt/FF reply	320	`GLA`		lrG
SUI-NDB Les Eplatures	9	f/d cd,sti/irc	403	`LPS`		lrG

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SVK-NDB Piestany 23 n/d lt `CN` 200 w lrg  
I -NDB Radiofaro Capo San Vito Taranto 32 ppc/vc, 311 `TN` pt53

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard, cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, sae=self addressed envelope, f=folder, f/d full detailed, USD=US Dollar, c/a=central address, Lfb=Lifeboat

Membership and money corner:  
Fee received with thanks from lrg!

Addresses/Infos/Veri-signers:

The following infos (1-5) were supplied by ht53. Many thanks Hans-Peter!

1. AT&T (stations KMI, WOM and WOO) terminated shortwave operations on October 16, 1999. via NOAA

2. USB-transmissions from USCG:

NMN (Chesapeake): 03.30, 05.00, 09.30, 11.30, 16.00, 17.30, 22.00 and 23.30 on 4426, 6501, 8764 and 13089 khz.

NMG (New Orleans): 03.30, 05.00, 09.30, 11.30, 16.00, 17.30, 22.00 and 23.30 on 4316, 8502 and 12788 khz.

NMC (Pt. Reyes): 04.30, 10.30, 16.30 and 22.30 on 4426, 8764, 13089 and 17314 khz.

NOJ (Kodiak): 02.03 and 16.45 on 6501 khz.

NMO (Honolulu): 00.05, 06.00, 12.00 and 18.00 on 6501, 8764 and 13089 khz

NRV (Guam): 03.30, 09.30, 15.30 and 21.30 on 6501 and 13089 khz.

3. New Zealand: Here the schedule of the Station BCL (Private Mobile Radio) via Taupo Radio (Times are UTC + 12 - October-March UTC + 13; NZDT is:

Time NZDT	Time NZST	Broadcast Content	Frequency (kHz)
0133	0133	Coastal Navigational and Meteorological warnings the Marine Situation and Forecast for the New Zealand Coast and 0000 Coastal reports for shipping	2207,4146,6224
0403	0303	Oceanic Navigational and Meteorological warnings in force for NAVAREA XIV.	6224,12356
0433	0333	Repeat of 0303 nzst broadcast	8297,16531
0533	0533	Coastal Navigational and Meteorological warnings, the Marine Situation and Forecast for the New Zealand Coast and 0300 Coastal reports for shipping	2207,4146,6224
0803	0803	0600 Coastal Reports for Shipping	2207,4146,6224
1003	0903	Oceanic Navigational and Meteorological warnings for NAVAREA XIV, Situation and Forecast for Oceanic areas Subtropic, Forties, Pacific and Islands	6224,12356
1033	0933	Repeat of 0903 nzst broadcast	8297,16531
1203	1203	0900 Coastal Reports for Shipping	2207,4146,6224
1333	1333	Coastal Navigational and Meteorological warnings, the Marine Situation and Forecast for the New Zealand Coast and 1200 Coastal reports for shipping.	2207,4146,6224
1603	1503	Oceanic Navigational and Meteorological warnings in force for NAVAREA XIV.	6224,12356
1633	1533	Repeat of 1503 nzst broadcast	8297,16531
1733	1733	Coastal Navigational and Meteorological warnings, the Marine Situation and Forecast for the New Zealand Coast and 1500 Coastal reports for shipping	2207,4146,6224

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2003 2003 1800 Coastal Reports for Shipping 2207,4146,6224

2203 2103 Oceanic Navigational and Meteorological warnings for NAVAREA XIV, Situation and Forecast for Oceanic areas Subtropic, Forties, Pacific and Islands 6224,12356

2233 2133 Repeat of 2103 nzst broadcast 8297,16531

4. Alaska: You may also have a look at the NOAA Frequency of 4125 khz:

Location	Station	Local Times
Yakutat	KDG91	0515, 1930
Barrow	KCB53	0630, 1900
Annette	KDG58	0700, 1540
Kodiak	KWL38	0800, 1900
Cold Bay	KCI95	1030, 2030
King Salmon	KCI98	1100, 1630
Nome	KCI94	1130, 2130

Broadcast times are the same for daylight (ADT) and Standard (AST)  
Barrow broadcasts April 1 - September 15 only

5. EBC Ny San Fernando seems to be active on 15006 LSB.

NDB Orlean-St.Denis de L`Hotel/ORS: SMAEDOL Aerodrome D`Orleans, F- 45550 St. Denis de L`Hotel (lrg) (v/s: Jean-Francois Vassal - Le Directeur d`Exploitation)(lrg)

NDB Vagar/VG: Statens Luftfartsvaesen, Vaga Floghavn, FO- 380 Sorvagur (lrg)

LDOC Aero Mexico: Gerencia de Integridad de Servicios Aeromexcio, Paseo de Reforma 445, Delegacion CUAUHTEMOC, CP 06500, Mexcio DF (lrg) (e-mail: icuadro@aeromexcio.com.mx) (v/s: Laura Elena Cuadro Ramirez or Jose Marino Orozco Morosini)(lrg)

NDB Tikal/TKL: P.A. Tomas Aldecoa Casasola, Administrator General, Aeropuerto Internacional `Tikal`, Santa Elena, Peten, D.G.A.G., Guatemala (ai476)

Many thanks to following (6) faithful contributors: lrg, abNL, ti25/tiDK, pt53, zeTC (your QSL's next issue, space problems), ai46 gd dx + 73`s, until next month (c)  
Andreas

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EUROPEAN UTILITY NEWSLETTER 11-2000

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*                                                                                   *
*                               Deadline: 20th of the month!!!                 *
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A very warm welcome to a very early Newsletter!

Due to enough stuff, I decided to edit this EUNL before my holiday. As I do not have more intelligent words for this introduction, we'll go on with the show.

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284	0140	GRN	Gorna / Oryahovitsa	BUL	id	nr76
284,5	2157	DY	Düsseldorf	D	id	pt53
285	2305	N	Simferopol	UKR	id	nr76
286,5	0024	FI	Punta de Cabo Figuera	E	id+dash	nr76
288,5	0028	FI	Cabo Finisterre	E	id+dash	nr76
289	0205	MBA	Mansbach	D	id	nr76
290	2155	ONL	Liege	BEL	id	pt53
290	0111	TR	Tirana / Rinas	ALB	id	nr76
290,5	2159	VI	Cabo Villano Lt.	E	id + dash	pt53
298	0310	BJZ	Badajoz	E	id	nr76
298	0115	PP	unid (possibly `P`)	?	id (once all 4 sec `PP`)	nr76
307	2245	RS	Ristna	EST	id + dash	pt53
307	2206	DIK	Diekirch	LUX	id	pt53
307,5	0031	RS	Ristna	EST	id+dash	nr76
317	2329	VS	Valenciennes/Denain	F	id + tone	pt53
318	2052	LE	Luxembourg	LUX	id	pt53
320	2054	HA	Hannover	D	id	pt53
321	0053	ABT	Albacete	E	id	nr76
328	2340	HIG	San Sebastian	E	id	nr76
328	0043	TRO	Joday	LBY	id	nr76
330	0123	SB	Soenderborg	DNK	id	nr76
330	0150	PNO	Warszawa/Piaseczno	POL	id	nr76
330	0258	LEN	León	E	id	nr76
332	0216	FAR	Faro	POR	id	nr76
338	0138	OA	Jönköping	S	id	nr76
339	2211	OL	Shannon	IRL	id	pt53
344	0112	MN	Minorca	E	id	nr76
346	2358	OC	Cognac/Châteaubernard	F	id+dash	nr76
348,5	2116	LG	Liege-Bierset	BEL	id	pt53
357	0115	KVR	Athens Central/Kavouri	GRC	id	nr76
357,5	2358	FAL	Falconara	I	id	pt53
358	0050	BRG	Braganca	POR	id	nr76
359	0209	LK	Lidköping	S	id	nr76
361	all day	s	unid	?	38x/min, temporary beacon May 2000, no longer audible	in nr76
362	2341	BZO	Bozano	I	id	pt53
365	2210	LJ	Koeln-Bonn North	D	id	pt53
366	0130	KM	Kalmar	S	id	nr76
367	0120	SBD	Sabadell	E	id	nr76
367,5	0120	PNZ	Ponza	I	id	nr76
368,5	2248	ELU	Luxembourg	LUX	id	pt53
370	0225	NS	Reykjavik	ISL	id	ai46
370,5	2328	LB	Ängelholm	S	id	nr76
373	2212	NW	Maastricht	HOL	id	pt53
375	0058	CMA	Calamocha	E	id	nr76
375	0236	NS	Tor E platform	IW	id	ai46
377	0225	PNT	Pontivy	F	id+dash	nr76
382	2350	SBG	Salzburg/Oberndorf	AUT	id	pt53
383	2217	SHD	Scotstown Head	G	id	pt53
383,5	2219	GUL	Gulpen	HOL	id	pt53
393	0032	DEN	Dendermonde	BEL	id	pt53
395	0114	FC	Figeac/Livernon	F	id+dash	nr76
404	0002	AGO	Angoulême	F	id+dash	nr76
406	0044	MO	Mogilev/Podolsky	UKR	id	nr76
412	0142	GRN	Gerona	E	id	nr76
413	0128	KTI	Innsbruck	AUT	id	pt53
417	2124	LI	Düsseldorf	D	id	pt53
422	2115	UR	Hradec Králové/Jaromer	TCH	id	nr76
426	2337	GBG	Gleichenberg	AUT	id	pt53
484	0130	HOF	Hof	D	id	nr76

## F I X E D

3757	2226	S30	the pip	RUS		abNL
3830	2217	KS3	unid DE KS3	?	CW 5fgs short zero	abNL
3840	2300	E10	Israeli Intelligence	ISR	AM YHF2	abNL
3841	2241		unid	?	CW Cyrillic 5lgs No end	abNL

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4319	1700		AFRTS	BIO? Nx just audible	nr76
4331	2234	4XZ	Navy Haifa	ISR CW VVV + 5lgs	abNL
4625	2259	S28	Buzzer	RUS AM buzzing the night away. Into `sirene` mode at the hour	abNL
4880	2300	E10	Israeli Intelligence	ISR AM ULX	abNL
5334	1750		Dutch Military (army?)	HOL USB,E/Dutch, SW wkg kilo	pt53
6379	2305	4XZ.	Ny Haifa	USR CW VVV marker	abNL
6458,5	0402		AFRTS	PTR? AP-Network News	nr76
6825	0900	FAV 22	FA Mont-Valerien	F CW-txt cq,out	pt53
6844,5	1536	FDC	AF Metz	F CW-vvv	pt53
7572,5	2114	FDC	AF Metz	F CW-vvv	pt53
7739	2110	FDI22	AF Narbonne	F CW-vvv	pt53
8071,2	1832	FDI8	AF Nice	F CW-vvv	pt53
8094,5	2315	FDC	AF Metz	F CW-vvv	pt53
8474	2151	4XZ	Ny Haifa	ISR CW-vvv	pt53
10320	0500		AFRTS	HWI? AFN id + nx	nr76
13927	2308	AFA1MH	MARS East Liverpool,OH	USA USB,E,tfc	pt53
13927	2319	AFA1PW	MARS	USA USB,E,wkg Thunderbird 15	pt53
13927	2108	AFA2XZ	MARS salt Spring, FL	USA USB,E,r/ch	pt53
13927	0137	AFA1MH	MARS East Liverpool,OH	USA USB,E,wkg Reach V7	pt53
13927	2011	AFA1YV	MARS Binghamton,NY	USA USB,E,wkg Reach 396	pt53

## M A R I T I M E

1613	0355	OXZ	Lyngby Radio	DNK CW-oxz + SITOR	pt53
1638	0236	OFK	Turku Radio	FNL USB,E, nav. warnings	pt53
1677	0235	OFK	Turku Radio	FNL USB,E, nav. warnings	pt53
1680	2236	LGL	Florö Radio	NOR USB,E/norw., nav. warning	pt53
1680	2238	LGL	Floroe Radio	NOR USB,E/norw,no tfc	pt53
1698	2004	EAR	La Coruna Radio	E USB,E/S, nav. warnings	pt53
1704	2008	OXZ	Lyngby Radio	DNK USB,E/Dan., nav. warning	pt53
1728	2136	LGN	Bergen Radio	NOR USB,E/Norw,nav. warning	pt53
1734	2009	OXZ	Lyngby Radio	DNK USB,E/Dan., nav. warning	pt53
1752	2037		Valentia CG Radio	IRE USB,E, nav. warnings	pt53
1755	1936	EO	Palma Radio	E USB,E/S,ID,tfc-list	pt53
1758	2010	OXZ	Lyngby Radio	DNK USB,E/Dan., nav. warning	pt53
1782	1833	LFO	Orlandet Radio	NOR USB,Norw/E,gale-warning	pt35
1794	0207	SPO	Szczecin Radio	POL USB,E, nav. warnings	pt53
1925	0137	ICB	Genova Radio	I USB,I/E, wx	pt53
2182	0233	OSU	Oostende Radio	BEL USB,E,QSY 2761	pt53
2182	2008	OXZ	Lyngby Radio	DNK USB,E,QSY 1734,1704,1758	pt53
2182	2004		Cabo de Gata Radio	E USB,E/SQSY 1767	pt53
2182	2005	EAR	La Coruna Radio	E USB,E/S,id,QSY 1698	pt53
2182	0402		CROSS Corsen	F USB,F,QSY	pt53
2182	1903		CROSS Med	F USB,F,QSY	pt53
2182	0234	OFK	Turku Radio	FNL USB,E,QSY	pt53
2182	2034	OXJ	Torshavn Radio	FAR USB,E,QSY 1758	pt53
2182	0322		Aberdeen CG	G USB,E,QSY 2226	pt53
2182	1936		Milford Haven CG	G USB,E,QSY 1767	pt53
2182	2233	SVN	Athens Radio	GRC USB,E/Gr,QSY 2590	pt53
2182	2236	ICB	Genova Radio	I USB,E/I,QSY 2642, 1925	pt53
2182	2239	IDC	Cagliari Radio	I USB,E/I,QSY 2680, 2719	pt53
2182	2238	IPB	Bari & Crotone Radio	I USB,E/I,QSY	pt53
2182	2237	IQX	Trieste Radio	I USB,E/I,QSY	pt53
2182	2036		Valentia CG Radio	IRE USB,E,QSY 1752	pt53
2182	2235	LGL	Floroe Radio	NOR USB,E/norw.,QSY 1680	pt53
2182	2133	SPH	Gdynia Radio	POL USB,E/Pol.QSY 1692	pt53
2182	0206	SPO	Szczecin Radio	POL USB,E,QSY 1794	pt53
2182	2234	SDJ	Stockholm Radio	S USB,E,QSY	pt53
2182	0005	PBK	Netherlands CG	HOL USB,E,r/ch w Yarmouth CG	pt53
2182	0005		Yarmouth CG	G USB,E,r/ch with NLCG	pt53
2182	1946		Humber CG	G USB,E,QSY 2226	pt53
2226	0323		Aberdeen CG	G USB,E, gale warning	pt53
2226	1946		Humber Coastguard	G USB,E,wx	pt53
2586	2010	OXZ	Lyngby Radio	DNK USB,E/Dan., nav. warning	pt53
2642	0307	ICB	Genova Radio	I USB,I/E, wx	pt53
2643,5	0310	SPS	Witowo Radio	POL cw-de sps/tor	pt53
2810	0234	OFK	Turku Radio	FNL USB,E, nav. warnings	pt53

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2830	2133	SVK	Kerkyra Radio	GRC USB,Gr/E,wx	pt53
3651,5	1914	SXA 32	Ny Spata Attikis	GRC cw-vvv	pt53
3712	1939	SXA 33	Ny Spata Attikis	GRC cw-vvv	pt53
4210,5	2048	ESA	Tallinn Radio	EST cw-esa + SITOR	pt53
4210,5	2126	A9M	Bahrein Radio	BHR cw-a9mtlx + SITOR	pt53
4215,5	2140	OXZ	Lyngby Radio	DNK cw-oxz + SITOR	pt53
4216	2142	TAH	Istanbul Radio	TUR cw-tah + SITOR	pt53
4217	2145	UIW	Kaliningrad Radio	KAL cw-de uiw kld + SITOR	pt53
4218,5	2130	LZW	Varna Radio	BUL cw-de lzw	pt53
4219	2144	TAH	Istanbul Radio	TUR cw-tah + SITOR	pt53
4241	2150	LGW	Rogaland Radio	NOR cw-cq	pt53
4253	2152	TAH	Istanbul Radio	TUR cw-cq de tah qsx	pt53
4262	2153	LFI	Rogaland Radio	NOR cw-lfi + SITOR	pt53
4294	1911	SXA 34	Ny Spata Attikis	GRC cw-vvv	pt53
4320	2255	IAR 4	Roma Radio	I cw-vvv	pt53
6316	0012	UFN	Novorossisk Radio	RUS cw-ufn + SITOR	pt53
6316	0012	NMN	USCG Camslant	USA cw-nmn + SITOR	pt53
6321,5	0015	SVU 3	Athen Radio	GRC cw-de svu	pt53
6324	0017	VCT	Tors Cove Radio	USA cw-vct/wcc + S	pt53
6326,5	0018	SAB 326	Göteborg Radio	S cw-sab + SITOR	pt53
6329,5	0020	VCT	Tors Cove Radio	CAN cw-vct + SITOR	pt53
6415	2258	7TF4	Boufarik Radio	ALG cw-cq	pt53
6501	2330	NMN	USCG Camslant	USA USB,E,id, wx	pt53
6628	0028	CSY	Sta. Maria Aero	AZR USB,E, wkg. Speedbird	pt53
8417,5	1843	XSV	Tianjin R.	CHN SITOR/A tlx/cw mkr	pcG
8426	2243	UIW	Kaliningrad R.	KAL SITOR/A cw mkr	pcG
8430	2120	RRR34	Moscow R.	RUS SITOR/A/B tfc list (ex, UJE)	pcG
8431	2115	TAH	Istanbul R.	TUR SITOR/A tlx/cw mkr	pcG
8432,5	2227	UFN	Novorossiysk R.	RUS SITOR/A wkg UDEZ w msg	pcG
8433	2233	8PO	Bridgetown R.	BRB SITOR/A tlx/cw mkr	pcG
8600	2022	XSV	Tjianjin Radio	CHN cw-de xsv	pt53
8610	2033	UCE5	Arkhangelsk Radio	RUS cw-de uce5	pt53
8624	1725	XSQ	Guangzhou Radio	CHN cw-cq	pt53
8682	0309	J2A8	Djibouti Radio	DJI cw-vvv, qsx	pt53
8691	2040	XST	Qingdao Radio	CHN cw-cq	pt53
8694	1837	XSZ	Dalian Radio	CHN cw-cq	pt53
8743	0120	TFA	Reykjavik Radio	ISL USB,Vn,.id,wkg Vessel	pt53
8752	1030	YLQ	Riga Radio	LVA USB,E,Vn,Ru QRGs	pt53
8764	2045	UIW	Kaliningrad Radio	KAL USB,Ru,id,clg `Malta`	pt53
8788	2345	SPH	Gdynia Radio	POL USB,E,tfc-list	pt53
8788	0006	WLO	Mobile Radio AL	USA USB,E,wx,id	pt53
8800	2206	PPR	Rio Radio	B USB,E,id,clg vessel	pt53
8803	2200	ZPB	Asunción Radio	PRG USB,Sp.,id clg Vessel	pt53
8806	0105	WLO	Mobile Radio, AL	USA USB,E,wx,id	pt53
10341	1540	HEC	Bern Radio	SUI cw-hec + SITOR	pt53
12459	2120	UCTC	m/v Mozdok	IW CW clg UDK2	pcG
12459	1845	UAHP	m/v Gueizer	IW CW clg UDK2	pcG
12459	1927	UENY	m/v Galatis	IW CW clg UDK2	pcG
12573,5	1854	SQEA	Kopalnia Sosnowiec	IW SITOR/A msg to SPB	pcG
12579	2014	NMC	San Francisco USCG	USA SITOR/B wx b/c msg	pcG
12579,5	2001	9VG80	Singapore R.	SNG SITOR/A tlx/cw mkr	pcG
12581	2202	LSD836	Buenos Aires R.	ARG SITOR/B tfc for LPV656	pcG
12582	1805	SUP	Port Said R.	EGY SITOR/A tlx/cw mkr/qrm SAB	pcG
12583,5	2143	CBV	Valparaiso R.	CHL SITOR/A msg fm cbdr	pcG
12584	1810	VIP	Perth R.	AUS SITOR/A tlx/cw mkr	pcG
12585	1805	NRV	Apra Hbr USCG	GUM SITOR/A tlx/cw mkr	pcG
12587	1845	LZW	Varna R.	BUL SITOR/A tlx/cw mkr	pcG
12588	1132	HEC	Berne R.	SUI SITOR/A msg from `LADY X`	pcG
12589	0702	NMO	Honolulu USCG	HWA SITOR/A tlx/cw mkr	pcG
12591,5	1920	UFL	Vladivostok R.	RUS SITOR/A cw/tlx mkr	pcG
12593	2031	ESA	Tallinn R.	EST SITOR/A cw/tlx mkr	pcG
12594	2025	PPR	Rio de Janerio R.	B SITOR/A tlx/cw mkr	pt53+pcG
12594,5	2029	A9M	Hamala R.	BHR SITOR/A tlx/cw mkr	pcG
12603,5	1837	SVU	Athens R.	GRC SITOR/A tlx/cw mkr	pcG
12606	1836	UIW	Kaliningrad R.	KAL SITOR/A cw/tlx + KLD mkr	pcG
12608	1832	UAT	Moscow R.	RUS SITOR/A cw/tlx mkr	pcG
12615	2130	USU	Mariupol R.	UKR SITOR/A msg to UWFU	pcG
12616	1930	LZW	Varna R.	BUL SITOR/A tlx/cw mkr	pcG



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12625,5	1258	UCE	Arkhangelsk R.	RUS	SITOR/A msg to 9HXJ4	pcG
12629	1700	KHF	Agana R.	GUM	SITOR/A tlx/cw mkr	pcG
12634,5	1310	TAH	Istanbul R.	TUR	SITOR/A tlx/cw mkr	pcG
12635,5	1445	LZW	Varna R.	BUL	SITOR/B qtc + tfc	pcG
12654	1830	TAH	Istanbul R.	TUR	SITOR/A tlx/cw mkr	pcG
12660	1927	LFI	Rogaland Radio	NOR	cw-lfi + SITOR	pt53
12673,5	2329	A9M	Bahrain Radio	BHR	cw-a9m + SITOR	pt53
12709	1640	A9M	Bahrain R.	BHR	CW de mkr	pcG
12729	2100	L2B	Buenos Aires Pref. Naval	ARG	cw-vvv,cq,navarea 6m sgs	pt53
12808,5	1810	VTG 7	Ny Bombay	IND	cw-navarea 8 msgs, vvv	pt53
12843	2055	HLO	Seoul R.	KOR	CW cq mkr	pcG
12856	2145	XSG	Shanghai R.	CHN	cq mkr	pt53+pcG
12943,5	2155	9MG	Georgetown R.	MLA	SITOR/A tlx/cw mkr	pcG
13022	1812	SPB63	Szczecin R.	POL	SITOR/A cw/tlx mkr	pcG
13036,5	0009	KFS	San Francisco Radio	USA	cw,kfs + SITOR	pt53
13050	1937	UDK2	Murmansk R.	RUS	CW wkg UCTL (12459)	pcG
13066,5	1655	VIE	Darwin Radio	AUS	cw-vie + SITOR	pt53
13072,4	0009	KFS	San Francisco Radio	USA	cw,kfs + SITOR	pt53
13086	1007	YLQ	Riga Radio	LVA	USB,E,Vn,Ru QRGs	pt53
13089	2201	NMN	USCG CAMSLANT	USA	USB,E,id,wx	pt53
13110	0003	WLO	Mobile Radio, AL	USA	USB,E,wx,id	pt53
13125	0210	LZW	Varna Radio	BUL	USB,E,tfc-list	pt53
13128	1700	TAH	Istanbul Radio	TUR	USB,Turk/E,ID,wx	pt53
13152	2304	WLO	Mobile Radio, AL	USA	USB,E,wx,id	pt53
13155	2038	SPO62	Szczecin Radio	POL	USB,E/Po1 tfc-list	pt53
13158	0120	CBV	Playa Ancha Radio	CHL	USB,S,tfc,id,not listed	pt53
16808,5	1615	KLB	Seattle R.	USA	SITOR/A tlx/cw mkr weak	pcG
16809	1610	WLO	Mobile R.	USA	SITOR/A tlx/cw weak mkr	pcG
16811	1630	CBV	Valparaiso R.	CHL	SITOR/A tlx/cw mkr	pcG
16812,5	1622	NRV	Apra Hrbr USCG	GUM	SITOR/A tlx/cw mkr	pcG
16816	1745	ZSC64	Capetown R.	AFS	SITOR/B wx/nav wngs b/c	pcG
16816,5	1752	NMC	San Francisco USCG	USA	SITOR/A tlx/cw mkr	pcG
16817,5	1801	KPH	San Francisco R.	USA	SITOR/A tlx/cw mkr	pcG
16819,5	2213	NMN	Portsmouth USCG	USA	SITOR/A tlx/cw mkr	pcG
16825	2204	WCC	Chatham R.	USA	SITOR/A tlx/cw mkr with VCT	pcG
16826	1605	ESA	Tallinn R.	EST	SITOR/A cw/tlx mkr	pcG
16826	2130	WLO	Mobile R.	USA	SITOR/A tlx/cw mkr	pcG
16833,5	1325	UIW	Kaliningrad R.	KAL	SITOR/A cw/tlx mkr	pcG
16839,5	1320	UFN	Novorossiysk R.	RUS	SITOR/A cw/tlx mkr	pcG
16840,5	0940	RRR34	Mořcow R.	RUS	SITOR/A tlx/cw mkr ex, UJE	pcG
16840,5	1150	RRR34	Unid?	?	cw-rrr34 + SITOR	pt53
16841,5	1035	8PO	Bridgetown R.	BRB	SITOR/A tlx/cw mkr	pcG
16879	1130	LZW	Varna R.	BUL	SITOR/A wkg a ship/ mkr	pcG
16880	1120	XSQ	Guangzhou R.	CHN	SITOR/A tlx/cw mkr	pcG
16886	1040	TAH	Istanbul R.	TUR	SITOR/A tlx/cw mkr	pcG
16892	1136	XSG	Shanghai R.	CHN	SITOR/A tlx/cw mkr	pcG
16976	2230	LSD 836	Argentina Radio	ARG	cw-lsd 836 + SITOR	pt53
17021,6	1115	TAH	Istanbul R.	TUR	CW de mkr	pcG
17147	1052	URL	Sevastopol R.	UKR	CW cq mkr	pcG
17211,4	0008	KFS	San Francisco Radio	USA	cw,kfs + SITOR	pt53
19726	1043	A9M	Bahrain R.	BHR	SITOR/A tlx/cw mkr	pcG
19741,4	1046	8PO	Bridgetown R.	BRB	SITOR/A tlx/cw mkr	pcG
22380,5	2039	CBV	Playa Ancha Radio	CHL	cw-cbv + SITOR	pt53
22383,5	1717	WLO	Mobile Radio AL	USA	cw-wlo + SITOR	pt53
22384,5	1718	SVT	Athens Radio	GRC	cw-de svt	pt53
22385	1050	OXZ	Lyngby R.	DNK	SITOR/A tlx/cw mkr	pt53+pcG
22387,5	2041	SVT	Athens Radio	GRC	cw-de svt	pt53

## A E R O (Ground - stations)

8825	0026	CSY	Sta. Maria Aero	AZR	USB,E,wkg Speedbird,QSY	pt53
8855	2201		Air France 3633	INT	USB,F,clg Cayenne	pt53
8855	0328		Belem Aero	B	USB,E,wkg world 155	pt53
8891	1644		Iceland Aero	ISL	USB,E,wkg Canadian 91	pt53
8903	0002		Ndjamen Aero	TCD	USB,E,wkg LH 572	pt53
10024	0144		Cenamer Aero	HND	ctc Guayaquil	nr76
10024	0144		Guayaquil Aero	EQA	ctc Cenamer	nr76
10024	0156		Merida Aero	MEX	ctc LAN-Chile Plane	nr76

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10074	2253	unid	? m Ar tfc w plane Airbus	nr76
10075	2252	unid (Universal R. Houston?)	USA? ctc plane AGHS (?), selcall, qsy fm 13330 kHz	nr76
11285	1849	Chennai Aero	IND USB,E,wkg a/c	pt53
11300	2326	Jeddah Aero	ARS USB,E,wkg Khartoum Aero	pt53
11300	0014	Tripoli Aero	LBY USB,E,wkg Springbok 260	pt53
11300	2326	Khartoum Aero	SDN USB,E,wkg Jeddah Aero	pt53
11300	2219	Jeddah Aero	ARS USB,E,clg Khartoum	pt53
11300	2214	Cairo Aero	EGY USB,E,wkg LH 8297	pt53
11300	2332	Sana'a Aero	YEM USB,E,wkg Jeddah	pt53
11309	2305	New York Aero	USA USB,E,wkg Europe 88	pt53
11318	1615	Samara Volmet	RUS USB,R,wx	pt53
11387	2310	Bangkok Volmet	THA USB,E,Volmet	pt35
11396	2051	New York Aero	USA USB,E,wkg American 1297	pt53
12579	1800	AFRTS	BIO? AP-Network News	nr76
13282	1845	Hongkong Volmet	CHN USB,E,Volmet	pt53
13282	1850	Auckland Volmet	NZL USB,E,Volmet	pt53
13294	0052	Ndjamena Aero	TCD USB,E,wkg Speedbird	pt53
13294	2058	Ndjamena Aero	TCD USB,E,wkg KLM 594	pt53
13330	2250	unid (Universal R. Houston?)	USA? Ctc plane AGHS(?), negative selcall, qsy to 10075 kHz	nr76
13333	1918	Speedbird BA London	G USB,E,wkg Speedbird2119	pt53
13339	0044	Aeromexico Mexico City	MEX USB,Sp,wkg Aeromexico 413	pt53
13357	2301	Dakar Aero	SEN USB,E,wkg AlItalia 681	pt53

## A E R O (aircraft)

Nothing to report !?!

## D I G I T A L

518	0025	unid, probably Horta	AZR FEC navtex. Nav. wngs for the Azores	abNL
518	0000	A	CROSS Corsen	F FEC navtex
518	0010	B	Bodo	NOR FEC navtex
518	0100	G	Cullercoats	G FEC navtex
518	0020	P	Hafia Radio	ISR FEC navtex
518	2332	Q	Malin Head	IRL FEC navtex
518	2320	U	Tallinn Radio	EST FEC navtex
518	2341	W	CROSS La Garde	F FEC navtex
518	2348	W	Valentia CG Radio	IRL FEC navtex
518	2350	X	Reijkjavik	ISL FEC navtex
3858,5	1810		pres. G AF	? ARQ-E 85.7,encrypt. Msgs
4798	2242		Unid	? ARQ-E 85.7 bd,idling
4798	1811		pres. G AF	? ARQ-E 85.7,encrypt. msgs
5319,9	1710		pres. Ny London	G rtty75,foxes only
5367,4	1726	FDI 22	AF Narbonne	F rtty50,ry,wharfs
5752,5	1815	HBD20/2	MFA Berne	SUI SITOR-A,msg to HBD60
5834,5	1755	FDY	AF Orleans	F rtty50,ry,wharfs
7827,8	1820	FDI22	AF Narbonne	F rtty50,ry,wharfs
8194	2050	FDI8	AF Nice	F rtty50,ry,wharfs
11080	1725		Sana Damsacus	SYR rtty50,Fnx
11085	1650	RFGW	MFA Paris	F FEC-A 192,ID,msgs
11415	1058		Unid Mod Paris?	? ARQ-M2 200 bd,pp de rfftb
11453	1102	IMB 31	Roma Meteo	I rtty 850/50,wx, no id
12122,3	1115	DOR	MFA Sofia	BUL rtty75,msg to Beirut
12666,5	0609	RFFME	Ny La Regine	F rtty 150 bd,ry testing
12666,5	1644	RFFME	Ny La Regine	F ITA2/150/850 ry/sg test
12666,5	2040	RFFME	Ny La Regine	F rtty150,ry testing
12823,5	1715	CTP	Ny Oeiras	POR rtty 850/75, naws
12857	2150	RFTJE	FNY Dakar	SEN ITA2/75/850 ry testing mkr
13050	2001	UDK2	Murmansk R.	RUS ITA2/50/170 short test call
14558	1305	H6L	F Emb Algier	ALG FEC-A 192,ID,msg
14695	2323	4XZ	Ny Haifa	ISR cw-vvv
15633,1	1036		KCNA	KRE rtty50,Enx
15961,7	0948	RFLI	FNY Fort de France	MRT ARQ-E-3 192,c de voie
15971,5	1115		Algerian Customs	ALG Pactor 200/200 msgs
16193,2	1425	RFQP	FNY Djibouti	DJI ARQ-M-2 200,ID,msg

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16225	1700	MFA Cairo	EGY SITOR-A,msg to Bangui	pt53
16951,5	1121	RFTJE Fny Dakar	SEN ITA2/75/850 ry/sg mkr	pcG
16986	1702	CTP Ny Oeiras	POR rtty 75 bd,naws de ctp	pt53
17020	0903	UDK2 Murmansk Radio	RUS rtty50,ry,ID,out	pt53
17484,3	2155	CCM Ny Punta Arenas	CHL rtty 100/900, ry de ccm,cq	pt53
17550,9	1702	RFTJ FF Dakar	SEN ARQE3/192/400 AFL to Paris	pcG
18212	0850	Deutsche welle	? RTTY100,S text	pt53
18312	1345	RCVB tent. EGY Emb Kinshasa	ZAI SITOR-A,5-fig groups,Id	pt53
18443,9	1450	RFFXL FF Naqura	LBN ARQ-E 184.7,c. de voie	pt53
18551,9	1040	V5G MFA Bucharest	ROU Rum-FEC 164.5,nx	pt53
18667,4	1410	pres. MFA Cairo	EGY SITOR-A,msgs,arab	pt53
18762	1041	V5G MFA Bucharest	ROU Rum-FEC 164.5,nx	pt53
19101,7	1650	RFLI Fny Ft. de France	MRT ARQE3/192/400 BFL to Paris	pcG
19385	1110	DJI FNY Djibouti	DJI ARQ-M2, 200 bd,de rfqp,msg	pt53
19530	1730	GJU Ny Gibraltar	GIB ITA2/50/850 cont foxes	pcG
19634,9	0843	P6Z MFA Paris	F FEC-A 192,ID,msgs	pt53
19672,8	1525	TXVV UNID	? SITOR-A,Selcal only	pt53
19862	1222	MGJ Ny Faslane	G rtty75,mrk	pt53
20584	1512	Salini-Strabag Constr.	GUI SITOR-A, msg from Kankan	pt53

T I M E S I G N A L

14670	2218	CHU Ottawa TS	CAN cw/USB,TS/TA	pt53
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Q S L - R E V I E W

ITU Station	days	rvcd/gvn	QRG	Call	Power	name
ALB-NDB Tirana	45	p/d lt,ppc fup	380	\KA\		lrG
ALG-NDB Ghriss	113	nice lt,ppc,vc direct	424	\GRS\	25 w	moE
AUT-NDB Gleichenberg	21	vc	426	\GBG\		pt53
AZR-NDB Flores	13	ppc,lt,t-ifos	270	\FLO\	1000 w	moE
AZR-NDB Graciosa	55	ppc,vc,t-info	428	\GC\	200 w	moE
AZR-NDB Pico	29	ppc,vc,info/irc	420	\PI\	10-50 w	zeTC
AZR-NDB Ponta Delgada/João Paulo II	38	ppc	371	\MGL\	1000 w	moE
BIH-NDB Tuzla	29	ppc/irc	445	\TU\		zeTC
BIH-NDB Tuzla	29	ppc/irc	420	\ZV\		zeTC
BIH-NDB Tuzla	21	ppc	321	\PS\		nr76
BIH-NDB Tuzla	21	ppc	445	\TU\		nr76
BIH-NDB Tuzla	21	ppc	420	\ZV\		nr76
CAN-NDB St. John`s,NF	19	ppc/SSAE	260	\YT\		lrG
CNR-NDB Gran Canaria/Las Palmas	138	ppc, busi-cd	350	\PM\	80 w	moE
CNR-NDB Gran Canaria/Las Palmas	138	ppc, busi-cd	365	\VR\	300 w	moE
CNR-NDB Tenerife Norte/Los Rodeos	21	ppc	410	\TX\	160 w	moE
D -NDB Barth	5	lt,ppc,vc	373	\BTH\	100 w	mo76
D -NDB Eggenfelden	16	ppc direct	393	\EGG\	10 w	mo91
D -NDB Flensburg-Schäferhaus	8	ppc/ms	380	\FLB\	15 w	zeTC
D -NDB Jever	27	ppc,2 sti/sase	390	\JEV\	70 w	zeTC
D -NDB Landsberg	10	ppc,lt,info/sase	448	\LQ\		zeTC
D -NDB Mengon	15	ppc,sase/f-up	401	\MEG\	50 w	zeTC
D -NDB Nordholz	21	ppc,fo,lt/ms	372	\NDO\	100 w	zeTC
DNK-NDB Skive	11	ppc	389	\HY\	25 w	zeTC
E -NDB Alicante	12	ppc,lt	429	\ALT\	100 w	moE
E -NDB Andraitx	21	ppc/irc	384	\ADX\	100 w	zeTC
E -NDB Bétera	18	ppc,lt,infos	386	\EBT\		moE
E -NDB Cabo Trafalgar	14	lt via c/a	297	\B\		moE
E -NDB Cabo Salou	14	lt via c/a;	288,5	\DU\		mo76
E -NDB Cala Figuera	14	lt via c/a;	286,5	\FI\		mo76
E -NDB Calamocha	30	f/d lt/ms	375	\CMA\		lrG
E -NDB Córdoba	25	ppc,infos,sticker	366	\COR\	50 w	moE
E -NDB Costix	21	ppc/irc	351	\CST\	100 w	zeTC
E -NDB Estaca de Barca	68	f/d lt,ppc	309,5	\BA\	100 w	ai46
E -NDB León	51	ppc,Xmas cd	330	\LEN\	50 w	moE
E -NDB Palma/Son San Juan	7	ppc	307,5	\PA\	60 w	moE
E -NDB Punta del Llobregat	68	f/d lt,ppc	303,5	\OR\	100 w	ai46
E -NDB Sevilla	15	ppc	420	\SPP\	100 w	moE
E -NDB Valencia	18	ppc,lt,infos	400	\B\	80 w	moE
E -NDB Valencia/Pinedo	18	ppc,lt,infos	340	\PND\	200 w	moE
E -NDB Vigo	21	ppc,business cd	433	\VON\	200 w	moE

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E	-NDB Zaragoza	10	ppc	348	`ZZA`	100	w	moE
EGY	-Serapeum Radio	42	ppc,lt,vc fup	8450	SUZ			nr76
F	-NDB Bergerac/Roumanière	9	ppc,short lt,i f/up	374	`BGC`	50	w	moF
F	-NDB Beziers/Vias	9	ppc	397	`ZR`	25	w	mo76
F	-NDB Blois/Le Breuil	29	ppc,info f/up	397	`BLB`	50	w	moF
F	-NDB Bourg-Ceyzériat	8	nice lt,ppc,touri-i	423	`BOR`			moF
F	-NDB Caen/Carpinet	37	ppc f/up	404	`CNE`	100	w	moF
F	-NDB Calais/Dunkerque	172	lt,infos	418	`MK`	100	w	moF
F	-NDB Carcassonne/Salvaza	9	ppc	345	`CS`			moF
F	-NDB Châlons/Vatry	15	ppc,info	347	`CVT`	50	w	mo76
F	-NDB Gap/Tallard	11	ppc	297	`GA`	25	w	mo76
F	-NDB Grenoble/St. Geoirs	9	ppc	291	`WS`	50	w	moF
F	-NDB Metz/Louvigny	13	ppc	388	`LOU`	25	w	mo76
F	-NDB Millau/Larzac	24	ppc,info	315	`MIL`	25	w	moF
F	-NDB Perpignan/Rivesaltes	48	ppc	351	`PL`	25	w	moF
F	-NDB Pontoise	12	ppc/ms	430	`PCV`			lrG
F	-NDB Royan-Médis	5	ppc f/up	427	`RY`			moF
G	-NDB Cardiff	40	ppc,vc f/up	388,5	`CDF`	100	w	moF
G	-NDB Epsom	21	lt,cd f/up	316	`EPM`			moF
G	-NDB London/Heathrow	84	lt,ppc	424	`HRW`			moF
G	-NDB London/Stansted	91	lt,ppc,info f/up	429	`SSD`			mo76
G	-NDB Lyneham	54	lt,ppc f/up	282	`LA`	100	w	moF
G	-NDB Redhill	2	ppc/SSAE	343	`RDR`			lrG
G	-Solent CG	18	lt,ppc,lots of info	1641		250	w	mo76
G	-Tyne Tees CG	5	lt,ppc,info	2182		250	w	mo76
HND	-NDB La Mesa	42	ppc (hrd in MEX)	370	`LMS`	100	w	ai46
HOL	-NDB Stad aan Haring	104	f/d lt,sti`s,pens	386	`STD`			lrG
I	-MRCC Roma	25	ppc,info brochure	6815	ICI	500	w	mo76
I	-MRSC Ravenna	682	ppc	6815	ICI08	150	w	mo76
IRL	-NDB Cork	13	f/d lt	343	`CO`			lrG
IW	-FGS Alster	25	ppc,info	10722	DRHF	1000	w	mo76
IW	-FGS Emden	65	lt,ppc,postcard,info	10192,5	DRAT	1000	w	mo76
IW	-MV Rapide	12	ppc,infos	2182	LXGB	200	w	mo76
J	-Miyagiken Fish. Radio	28	vy kind lt,ppc	12858	JFF			nr76
MDR	-NDB Porto Santo	20	ppc,viewcards	338	`PST`	1000	w	moE
MLT	-Malta R.	40	p/d lt 2 f/up`s	2182				lrG
MLT	-RCC Malta	90	lt,ppc f/up	6815		1000	w	mo76
MRC	-NDB Marrakech/Ménara	21	ppc,lt	267	`CNZ`	25	w	moE
NOR	-NDB Bremsnes	40	cd via c/a	371	`BRS`	100	w	zeTC
NOR	-NDB Förde	40	cd via c/a	345	`FT`	100	w	zeTC
NOR	-NDB Hamar	40	cd via c/a	371	`HAA`	100	w	zeTC
NOR	-NDB Hovden	40	cd via c/a	389	`HN`	100	w	zeTC
NOR	-NDB Notodden	40	cd via c/a	400	`NTD`	25	w	zeTC
NOR	-NDB Omastrand	40	cd via c/a	326	`OMA`	100	w	zeTC
NOR	-NDB Omastrand	34	f/d cd via cen-ads	326	`OMA`			lrG
NOR	-NDB Opaker	40	cd via c/a	334	`OPA`	100	w	zeTC
NOR	-NDB Orsta-Volda	18	p/d lt	362	`BVK`	100	w	lrG
NOR	-NDB Rennesøy	40	cd via c/a	378	`RSY`	100	w	zeTC
NOR	-NDB Sokna	13	f/d cd via cen-ads	387	`SOK`			lrG
NOR	-NDB Tune	40	cd via c/a	381	`RG`	100	w	zeTC
NOR	-NDB Vangsnes	24	f/d cd via cen-ads	404	`VNG`			lrG
POL	-NDB Grudziadz	24	own cd	364	`GRU`	100	w	mo76
POL	-NDB Piaseczno	21	ppc My 1000th NDB QSL'ed...	330	`PNO`			nr76
POL	-NDB Rzeszow	14	ppc, vc/ms	440	`OR`	100	w	zeTC
POL	-Warszawa Radio	56	ppc,lt fup	4930,5	SPW			nr76
POR	-NDB Beja	26	ppc,lt,viewcard	376	`BJA`	4000???	w	moE
POR	-NDB Coimbra	129	lt	426	`CB`	30	w	moE
POR	-NDB Sintra	19	ppc,lt,viewcard,i	371	`STR`	100	w	moE
POR	-NDB Lisbon/Caparica	48	ppc	401	`LO`	25	w	moE
POR	-NDB Monte Real	22	ppc,lt,sticker	336	`MTL`	100	w	moE
PTR	-NDB San Juan/Dorado	54	ppc	391	`DDP`	3000	w	moE
ROM	-NDB Baneasa	21	ppc	521	`BSW`			nr76
S	-Grimeton R.	36	card,info	17,2	`SAQ`	200000	w	mo76
S	-NDB Sigge/Nolvik	133	ppc,sticker	425	`SIG`	50	w	mo76
SUI	-Bern R.	516	nice cd	8420.5	HEC			zeTC
SUI	-NDB Gland	15	ppc,f/d lt	320	`GLA`	25	w	zeTC
SUI	-NDB Jura-Grenchen	24	p/d cd, sti,fo	326	`GRE`			zeTC

			EUNL2000				
SVK-NDB Kosice-Bociar	49	ppc, lt/sase		425	`KE`	100 w zeTC	
SVK-NDB Kosice-Haniska	49	ppc, lt/sase		385	`K`	80 w zeTC	
SVK-NDB Poprad/Tatry	17	lt,ppc,own det.cd,vc		317	`PPD`	150 w mo76	
USA-MARS Great Lakes,IL	35	f/d cd for AFD tx		14467	NAV4	nr76	

Membership and money corner:

Addresses/Infos/Veri-signers:

Olympia Radio replaced recently Athens Radio using same callsigns and frequencies. (pt53)

VCS is now issued to Globe wireless in respect of their telex node at Halifax. Check [www.globewireless.com](http://www.globewireless.com) for the lists of all their channels and nodes.

As of Oct99 their QSL Manager was/is

Adrianna Larkin  
 Globe Wireless Inc.  
 550 Pilgrim Drive  
 Foster City, CA 94404  
 USA  
 Tel 1 650 372 2650  
 Fax 1 650 372 2656  
 ALarkin@Globewireless.com (pt53)

New Online Frequency-Database from shoc

Now YOU can access online our new database. Available are broadcast, Utility and vhf/uhf station from our shoc RadioSpectrumManager database covering 10 kHz to 1 GHz. At the moment more then 90'000 records are online available Please note that this product is compiled from REAL RADIO MONITORING. For more info have a look at our homepage: [www.shoc.ch](http://www.shoc.ch)

Infos: [www.shoc.ch](http://www.shoc.ch)  
 Price: free after registration

shoc R.Haenggi Inc.  
 The Radio Monitoring Company  
 CH-8499 SternenberG/Gfell, Switzerland  
 TEL: + 41-52-394 12 55, Mobile +41-79-421 50 37, FAX: + + 41-52-394 12 56  
 Email: [hgr@shoc.ch](mailto:hgr@shoc.ch), Web: [www.shoc.ch](http://www.shoc.ch)

OM Roland (rbCH) is looking for an address of Jeddah Radio / HZN (heard NAVTEX 518 kHz). His self-made address didn't work). Any info please???? (rbCH)

C/f EUNL 10-2000:  
 Entry for 11285 1930 AOM 931 posrep  
 This is the three letter designator for French Airlines who also use the callsign Frenchlines. (tnx, Len!)

RRR34:  
 This is moscow radio. The station is qss on former uje tor freqs. It is used mainly by sea/river vessels of volgotanker sg.co. Station also has two r/t channels known as moskva 1 and moskva 2. Tfc list on tor at odd hour + 30. Good luck....alan (tnx, Alan!)

S -Mr. Sigge Skarsfjäll, Frequency Manager of Luftfartsverket Norrköping informed me that rr's concerning NDB's are of no interest for the company and that they lack resources to deal with reports of such reception` nr76

G -Dover CG Radio (2182kHz) ppc with the remark: `As we are not an official 2182 station we do not keep routine logs on calls. Therefore we cannot confirm your

call. So no QSL...

after f/up 7 days

nr76

SUZ now transmits Navigational warnings in Telex on 8416.5 kHz (nr76)

Malta R.: Maltacom Plc, Spence Hill, Marsa HMR 12, or Maltacom Plc, P.O. Box 40,

Hamrun HMR10 (lrG)

NDB St. John's, NF/YT: NAV CANADA, Technical Operations, P.O.Box 29009, Operations

Building, St. John's Airport, St. John's, NF A1A 5B5 (lrG)

NDB Stad aan Haringvliet/STD: Luchtvekkeersleiding Nederland ATM/DPS/ROT/TS, Rotterdam Airport 59, NL- 3045 AP Rotterdam (lrG)

NDB Calamocha/CMA: AENA-CANA de Calamocha, E-44200 Calamocha (lrG)

NDB Portosie/PCV: Aerodrome de Pontoise, F- 96650 Boissy L'Aillierie (lrG)

NDB Cork/CO: Air Navigation Services, Cork Airport, Cork (lrG)

NDB Redhill/RDR: Redhill Aerodrome, Redhill, Surrey RH1 5YP (lrG)

NDB Pico/PI: SATA-AIR ACORES, Pico Airport Station Manager, Pico Airport, 9950 Madalena (Pico), Azores-Portugal (zeTC) (v/s Alfredo D. Medeiros, Manager)(zeTC)

NDB Kosice K &amp; KE: Letove Prevadzko ve Sluzby SR, s.p., Air Traffic Services of the

SR, Regionalne Stredisko LPS Kosice, Letisko Kosice, SK-041 22 Kosice, Slovak Republic (zeTC) (v/s ing.Konstantin Sidor)(zeTC)

NDB Flores/FLO: Manutenção da Navegação Aérea das Flores, Aeroporto das Flores, P-

9970 Santa Cruz das Flores, Açores, Portugal (mo76)(v/s Hernâni Peixoto)(mo76)

NDB Ponta Delgada/João Paulo II /MGL: NAV, EP, Torre de Controlo e Serviços Técnicos, Aeroporto João Paulo II, P-9500 Ponta Delgada (mo76)

NDB Graciosa /GC: SATA Air Açores, Rua Marquês de Pombal, 9980 Santa Cruz da Graciosa (mo76)(v/s Manuela Santos)(mo76)

NDB Tenerife Norte/Los Rodeos/TX: AENA, Aeropuerto de Tenerife Norte, COM/AIS, E-

38297 La Laguna, Tenerife (mo76)

NDB Gran Canaria/Las Palmas/PM+VR: AENA, Dirección Regional de Navegación Aérea, Región Canaria, Centro de Control de Tránsito Aéreo, Apartado 69, E-35230 Las Palmas, Gran Canaria (mo76)(v/s Marcial Alfonso Sosa, Jefe Departamento Apoyo Técnico) (mo76)

NDB Barth/BTH: Ostseeflughafen Stralsund-Barth GmbH, D-18356 Barth (mo76)

NDB Eggenfelden/EGG: Flugplatz GmbH Eggenfelden, Flugplatz Zainach, D-84307 Eggenfelden (mo76)

NDB Zaragoza/ZZA: AENA, Dirección Regional Centro, Navegación Aérea, Aeropuerto de Zaragoza (mo76)

NDB Palma/Son San Juan/PA: AENA, Dirección Regional de la Navegacion Aerea, Region Balear, Centro de Control de Transito Aereo, Aeropuerto s/n, E-07000 Palma de Mallorca (mo76)

NDB Alicante/ALT: AENA, Direccion Regional de Navegación Aerea, Region Este, Torre de Control, Aeropuerto de Alicante, E-03195 El Altet (Alicante)(mo76)(v/s Julián Sáez, Responsable de Navegacion Aerea) (mo76)

NDB Cordoba/COR: AENA, Aeropuerto de Cordoba, Ctra. N-437, Km. 5,800, E-14005 Cordoba (mo76)

NDB Sevilla/SPP: AENA, Direccion Regional de Navegacion Aerea, Region Sur, Aeropuerto de Sevilla, Carretera Nacional IV Madrid-Cádiz, 532, E-41007 Sevilla (mo76)

NDB Valencia/B: AENA, Direccion Regional de Navegacion Aerea, Region Este, Centro de Control de Tránsito Aereo, Aeropuerto de Valencia, Carretera Aeropuerto s/n, E-46940 Manises-Valencia (mo76)

NDB Bétera/EBT: AENA, Direccion Regional de Navegacion Aerea, Region Este, Centro de Control de Transito Aereo, Aeropuerto de Valencia, Carretera Aeropuerto s/n, E-46940 Manises-Valencia (mo76)

NDB Valencia/Pinedo/PND: AENA, Dirección Regional de Navegacion Aerea, Region Este, Centro de Control de Transito Aereo, Aeropuerto de Valencia, Carretera Aeropuerto s/n, E-46940 Manises-Valencia (mo76)

NDB Cabo Trafalgar/B: Central-Address: Puerto del Estado, Departamento Tecnico de Ayudas a la Navegacion, Avds. Del Partenon, 10, E-28042 Madrid (mo76)(v/s Arturo Aguado Gallego, El Jefe del Departamento)(mo76)

NDB Cala Figuera/FI: via Central Address (mo76)

NDB Cabo Salou/DU: via Central Address (mo76)

NDB Vigo/VON: AENA, Dirección Regional de Navegacion Aerea, Región Centro, Aeropuerto de Vigo, Apartado de Correos 1553, E-36318 Vigo-Pontevedra (mo76)

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NDB Leon/LEN: Academia Basica del Aire, Escuadrilla de Telecomunicaciones, La Virgen del Camino, Leon (mo76)

NDB Metz/Louvigny/LOU: District Aéronautique de Lorraine, Maintenance M.N.L., Aéroport Metz Nancy Lorraine, BP 16, F-57420 Goin (mo76)

NDB Grenoble/St. Geoirs/WS: Direction Aviation Civile, Centre Est, Aéroport de Grenoble-St-Geoirs, F-38590 St. Etienne de St. Geoirs (mo76)

NDB Royan-Médis/RV: Aérodrome de Royan-Médis, F-17600 Médis (mo76)(v/s Luc Mazé, Chef d'Aérodrome) (mo76)

NDB Carcassonne/Salvaza/CS: Ministère des Transports, Direction Régionale de l'Aviation Civile Sud-Est, District Aéronautique Languedoc-Roussillon, Aéroport de Carcassonne (mo76)(v/s M. Prioul, L'Ingenieur de Contrôle de la Navigation Aérienne, Directeur de l'Aérodrome de Carcassonne-Salvaza) (mo76)

NDB Bourg-Ceyzériat/BOR: Mairie de Bourg-en-Bresse, Direction 2, Aérodrome de Bourg-Ceyzériat, F-01012 Bourg-en-Bresse) (mo76)(v/s Eric Jacquet, Le responsable de l'aérodrome)(mo76)

NDB Bergerac/Roumanière/BGC: Direction de l'Aviation Civile Sud-Ouest, Aérodrome de Roumanière, F-24100 Bergerac (mo76)(v/s F. Butkus, Le Directeur d'Aérodrome)(mo76)

NDB Beziers/Vias/ZR: District Aéronautique Languedoc-Roussillon, Aviation Civile, Aéroport de Beziers-Vias, F-34450 Vias (mo76)

NDB Gap/Tallard/GA: Aérodrome de Gap-Tallard, B. P. 15, F-05130 Tallard (mo76) (v/s Jean Boyer, Le Chef d'Aérodrome)(mo76)

NDB Millau/Larzac/MIL: CCI de Millau, Aérodrome de Millau Larzac, 38, Bd. De l'Ayrolle, B. P. 145, F-12101 Millau Cédex (mo76)

NDB Châlons/Vatry/CVT: SOFREA VIA S.A., 3, carrefour de Weiden, F-92441 Issy Les Moulineaux Cédex (mo76)

NDB Blois/Le Breuil/BLB:Aérodrome du Breuil,F-41330La Chapelle vendômoise(mo76)

NDB Caen/Carpique/CNE: District Aéronautique de Basse-Normandie, Aérodrome de Caen-Carpique, F-14650 Carpiquet (mo76)(v/s Le Directeur d'Aérodrome)(mo76)

NDB Lyneham/LA: RAF Lyneham, Chippenham, Wiltshire SN15 4PZ (mo76)(v/s S. J. Brett, Flt Lt, OC CE Flt)(mo76)

NDB London/Heathrow/HRW: NATS, Control Tower Building, Heathrow Airport - London, Hounslow, Middlesex TW6 1JJ (mo76)(v/s Malcolm Aldridge, Manager Engineering)(mo76)

NDB London/Stansted/SSD: NATS, Control Tower Building, Basingbourn Road, Stansted Airport, Stansted, Essex CM24 1AH (mo76)

MRSC Tyne Tees: MRSC Tyne Tees, HM Coastguard, Priory Grounds, Tynemouth, Tyne & Wear, NE30 4DA(mo76)

MRSC Solent: MRSC Solent, HM Coastguard, 44A Marine Parade West, Lee on Solent, PO13 9NR (mo76)(v/s William Robert Gibbs, Watch Officer)(mo76)

NDB Epsom/EPM: Infrastructure Services, NATS, Spectrum House, Gatwick Road, Gatwick Airport South, West Sussex RH6 0LG (mo76)(v/s Steve Davies, Duty Operations Engineer)(mo76)

MRCC Roma/ICI: v/s Il Capo Centrale Operativa, C.V. (CP) Remigio Ruggiero (mo76)

MRSC Ravenna/ICI08: 8 MRSC, c/o Capitaneria di Porto, I-48100 Ravenna (mo76)(v/s Il Capo Posto TLC, C° 2ACL STLC/RT NP/RTF, F Abbri Gilberto)(mo76)

FGS Alster/DRHF: FD-Boot Alster, Mecklenburger Str. 48-50, D-24106 Kiel (mo76)

FGS Emden/DRAT: Fregatte Emden, Opdenhoffstr. 24/10, D-26384 Wilhelmshaven(mo76)

NDB Porto Santo/PST: MNAPST, Aeroporto de Porto Santo, P-9400 Porto Santo(mo76) (v/s Air Traffic Safety Electronics Technician)(mo76)

NDB Marrakech/Ménara/CNZ: Office National des Aéroports, B. P. 32, Aéroport Marrakech Ménara (mo76)

NDB Grudziadz/GRU: Przedsiębiorstwo Państwowe "Porty Lotnicze", Agencja Ruchu Lotniczego, PL-00-906 Warszawa, ul. Zwirki i Wigury 1 (mo76)(v/s W. Salwa, Air Traffic Controller, SP5DDJ)(mo76)

NDB Sintra/STR: Base Aérea No1, Grupo Operacional 12, Esquadra Tráfego Aéreo, P-2710 Sintra (mo76)(v/s R. A. Ferreira (Major))(mo76)

NDB Monte Real/MTL: BA5, P-2425 Monte Real (mo76)

NDB Beja/BJA: Base Aérea No 11, Esquadra Tráfego Aéreo, P-7800 Beja (mo76)(v/s Jorge Manuel Palma Teixeira, O Comandante da Esquadra de Tráfego Aéreo)(mo76)

NDB Lisbon/Caparica/LO: NAV, E. P. DENAL, Rua C, Ed. 118, Aeroporto de Lisboa, 1700 - 007 Lisboa (mo76)

NDB Coimbra/CB: Câmara Municipal de Coimbra, Aeródromo Municipal Bissaya Barreto, P-3000 Coimbra(mo76)(v/s Antonio Cunha Ferreira, Airport Manager)(mo76)

NDB San Juan/Dorado/DDP: FAA Puerto Rico SSC, LMM International Airport, RM 203A, Carolina, PR 00979 (mo76)

Grimeton R./SAQ: leaflet Radiostationen, Grimeton 72, SE-43016 Rolfstorp(mo76)

NDB Sigge/Nolvik/SIG: Luftfartsverket, Flygtrafikledningen, Box 10091, S-400 70

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Göteborg (mo76)

NDB Poprad/Tatry/PPD: Riadenie letovej prevádzky SR, Regionálne stredisko LPS Poprad, Letisko Poprad-Tatry, 05898 Poprad (mo76)(v/s Vincent Kecer, Navajds Department)(mo76)

Serapeum Radio/SUZ: D.G. Nav. Warning Center, P.O. Box 86, Ismailia Post Office 41511, Ismailia (nr76)(v/s Mr. Mohamed Amer)

Warszawa Radio/SPW: Telekomunikacja Polska S.A., Centrum Usług Satelitarnych, w Psarach k. Kielc, Regon 011968530-00000, Objekt Radiokomunikacji Satelitarnej w Porebach Lesnych, 05-304 Stanisławów(nr76)v/s inż. Kazimierz Borkowski (SP5IVC)

MARS Great Lakes,IL/NAV4: Director Region Four, Navy Marine Corps MARS, 615 Preble Ave, Great Lakes IL 60088-2850 (nr76)

Last but not least, a very dismal news. Our long-term member Friedhelm (fd40) passed away on the 16th september this year. We lost a very experienced DXer...

Many thanks to following (8) faithful contributors: abNL, pcG, pt53, zeTC, nr76, mo76(also as moF,moE,mo91),lrg, ai46  
gd dx + 73`s, until next month (c)  
Andreas

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EUROPEAN UTILITY NEWSLETTER 12-2000

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Hello there in the Utility-land to the last 2000 edition of EUNL! A very nice work from you and it is time again to say THANK YOU to all who have send in logs, QSLs, and informations!!! I wish you all a very peaceful Christmas time and a happy new 2001. Take care and enjoy the last edition.

N D B

284	2255	GRN	Gorna/Orvahovitsa	BUL	id	pt53
284,5	2220	MA	Cabo Machichao	E	id+tone	abNL
285	0329	URB	Rome/Urbe	I	id	aiI
289,5	1710	NP	Punta Carena Lt.	I	id+dash	aiI
290,5	2243	VI	Cabo Villano	E	id+tone	abNL
307	2247	DIK	Diekirch	LUX	id	pt53
307	2245	DIK	Diekirch	LUX	id	abNL
309,5	2250	BA	Estaca de Bara	E	id+tone	abNL
311	2248	LMA	Lima	D	id	pt53
312,5	2252	VS	Cabo Estay	E	id+tone	abNL
314	2221	OZ	Brussel	BEL	id	abNL
314,5	1855	TL	Punta della Penna	I	id + dash	aiI
316	2222	PH	Eindhoven	HOL	id	abNL
317	2222	VS	Valenciennes	F	id+tone	abNL
318	2252	LE	Luxembourg	LUX	id	pt53
318	2258	LE	Luxembourg	LUX	id	abNL
319	1949	VAR	Stavanger-Varhaug	NOR	id	ai46
319	2223	VAR	Stavanger	NOR	id	abNL
320	2254	SA	Timisoara	ROU	id	pt53



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320	2259	TY	Troyes / Barberey	F	id+tone	abNL
321	1904	OST	Ostia - Roma/Fiumicino	I	id	aiI
325	1911	FA	Figari/Sud Corse	F	id+tone	aiI
325	2224	AVS	Asturias	E	id	abNL
327	2256	LV	Köln/Bonn	D	id	pt53
328	1923	TRO	Joday	LBY	id	aiI
331	2257	NMN	Mendig	D	id + 2 tones	pt53
334	2302	BGW	Paris le Bourget	F	id	abNL
337	0110	MY	Mygganaes, Faroer	FAR	id	abNL
339	1903	PRA	Pratica di Mare	I	id	aiI
343	1717	GRA	Grazzanise	I	id	aiI
345	2001	FW	Rome	I	id	aiI
346	0005	WLU	Luxembourg	LUX	id	abNL
347	1956	CVT	Chalons/Vatry	F	id + tone	ai46
348,5	2310	LG	Liege	BEL	id	abNL
349,5	1922	SZA	Solenzara	F	id+tone	aiI
351	2225	OV	Visby	S	id	pt53
352,5	2312	DD	Oostende	BEL	id	abNL
354	1956	FE	Roma/Fiumicino	I	id	aiI
357	1951	KVR	Athens Central/Kavouri	GRC	id	aiI
357	0750	SME	Olbia/Costa Smeralda	I	id	aiI
357,5	2222	FAL	Falconara	I	id	aiI+pt53
359	2126	LK	Lidköping	S	id	ai46
360	2144	SR	Saarbrücken	D	id	pt53
360,5	2219	MAK	Mackel	BEL	id+tone	pt53
362	2143	BZO	Bolzano	I	id	aiI+pt53
364	2316	RSO	Paris le Gaille	F	id	abNL
365	2209	LJ	Koeln-Bonn North	D	id	pt53
365,5	2315	BC	Brasschaat	BEL	id	abNL
366,5	2210	BER	Bern/Belp	SUI	id	abNL+pt53
367	2211	ZAG	Zagreb	HRV	id+dash	pt53
367,5	2205	PNZ	Ponza	I	id	aiI+pt53
368,5	2140	ELU	Luxembourg	LUX	id	pt53
371	0657	FRS	Frosinone, It. AF	I	id	aiI
371,5	2359	NH	Norwich	G	id	abNL
372	2320	ODR	Odderoy / Kristansand	NOR	id	abNL
373	2212	NW	Maastricht	HOL	id	pt53
375	2358	TR	Phillips Tor E platform	IW	id	abNL
376,5	1938	ORI	Bergamo-Orio al Serio	I	id	aiI
377	2153	MGB	Monchengladbach	D	id+tone	pt53
379	1958	LAT	Latina, Comani	I	id	aiI
379	2150	CZ	Charlesville	F	id+tone	abNL+pt53
382	1925	SBG	Salzburg/Oberndorf	AUT	id	aiI
382	2309	GAZ	Gazoldo	I	id	pt53
383,5	2308	GUL	Gulpen	HOL	id	pt53
385,5	2246	SLV	Spa	BEL	id	pt53
392	2330	RW	Berlin Tegel	D	id	abNL
396	1952	RON	Ronchi	I	id	aiI
401,5	2332	BET	Rheine / Bentlage	D	id+tone	abNL
402	1910	CAR	Carbonara	I	id	aiI
403	0022	LPS	Les Eplatures	SUI	id	abNL
404	2349	LW	Luxembourg	LUX	id	abNL
406,5	0059	BOT	Bottrop	D	id	abNL
406,5	0024	BOT	Bottrop	D	id	abNL
408	0026	BRK	Bruck / wien	AUT	id	abNL
412	1956	CIA	Roma/Ciampino	I	id+tone	aiI
416	2009	POZ	Pozarevac (Belgrado)	YUG	id+tone	aiI
417	2138	LI	Düsseldorf	D	id	pt53
418	2124	ZW	Zeltweg	AUT	id	pt53
418	2335	MK	Calais / Dunkerque	F	id+tone	abNL
419	2128	EMT	Epinal	F	id+tone	pt53
420	2120	INN	Innsbruck/Igls	AUT	id	pt53
420	2130	BAZ	Bayreuth	D	id	pt53
420	2342	INN	Innsbruck	AUT	id	abNL
421	2001	FN	Roma-Fiumicino	I	id	aiI
421	0029	MF	Halmstad	S	id	abNL
422	0032	UR	Hradec Kralove-Jaromer	CZE	id	abNL
423	0035	CWL	Cranwell	G	id	abNL

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424	2015	PIS	Pisarovina	HRV	id+tone	pt53+aiI
424	0036	PHG	Phalsbourg/Bourscheid	F	id+tone	abNL
426	2337	GBG	Gleichenberg	AUT	id	abNL+pt53
426	2346	HWQ	Hewett A platform	IW	id	abNL
429	0039	GBL	Giebelstadt	D	id	abNL
430	0040	SN	St. Yan	F	id+tone	abNL
434	1527	THN	Thorn	HOL	id	pt53
435a	1917	GHT	UNID	???	id	aiI
441	2341	CK	Prerov	CZE	id	abNL
452	0043	ANS	Ansbach	D	id	abNL
516	2229	JBR	Jaszbereny	HNG	id + dot	abNL+pt53
517	2338	ARD	Arad	ROU	id	abNL+pt53

## F I X E D

3415	2230	E10	Israeli Intel.	ISR	AM ART2	abNL
3757	2226	S30	Russian mil. `the Pip`	RUS		abNL
3830	2217	KS3	unid. DE KS3	?	CW 5fgs short zero	abNL
3840	2300	E10	Israeli Intelligence	ISR	AM YHF2	abNL
3841	2241		unid	?	CW Cyrillic 5lgs no ends	abNL
3886,5	1900	AEM1SLC	MARS?	D	LSB,E,wkg AEM1VCP	pt53
4331	2234	4XZ	Ny Tel Aviv	ISR	CW VVV + 5lgs	abNL
4396,3	0015	A7KG	Slovak mil. Zilnia	SVK	CW FCQR = A7KG ar	abNL
4625	2259	S28	Buzzer	RUS	AM buzzing, `sirene` at hour	abNL
4880	2300	E10	Israeli Intelligence	ISR	AM ULX	abNL
5337,5	1240	FDG	AF Bordeaux	F	cw-v mkr	pcG
5725,5	2027		UNID NATO		USB,E,wkg 9UN, 0IT, 8AK	pt53
6379	2358	4XZ	Ny Tel Aviv	ISR	CW vvv de 4XZ	abNL
6818,4	0635		UNID, mil or civil	SUI	LSB,D,QSY Anton	pt53
6992,5	0942	MRH 19	Air Force Cadet Station	G	USB,E,wkg MFJ 04	pt53
7834,5	1246	FDC	AF Metz	F	cw-v mkr	pcG
8307	1400	M23	579 (R10)	?	CW //9285	abNL
9285	1400	M23	579 (R10)	?	CW //8307	abNL
9295	1731	FDI8	AF Nice	F	cw, vvv	pt53
13927	2316	AFA2XA	USAFMARS Marietta, GA	USA	USB,E,net controle	pt53
13927	2108	AFA2XW	USAFMARS Smyrna, GA	USA	USB,E,wkg AFA1XA	pt53
13927	2214	AFA1YV	MARS Binghamton NY	USA	USB,E,wkg Reach 933	pt53
19321,1	0802	OLZ88	MFA Prague	CZE	cw-vvv OLZ78 de OLZ88	pt53

## M A R I T I M E

444	2315	IDC	Cagliari Radio	I	cw nav. wngs	abNL
447	2327	ICB	Genova Radio	I	cw nav. wngs	abNL
511,5	2320	IPA	Ancona Radio	I	cw nav. wngs	abNL
512,5	2325	IQX	Trieste Radio	I	cw nav. wngs	abNL
514,5	2318	IPB	Bari Radio	I	cw nav. wngs	abNL
521,5	2329	IAR25	Roma Radio	I	cw nav. wngs	abNL
1674	1935	SDJ	Stockholm Radio	SWE	USB, E, nav. warn.	pt53
1698	2158		La Coruna	E	pp in SP	ppF
1710	1934	SDJ	Stockholm Radio	SWE	USB, E, nav. warn.	pt53
1728	1734	LGN	Bergen Radio	NOR	USB,E/Norw,local wx	pt53
1755	2035	EAO	Palma Radio	E	USB, E/Sp nav. warn.	pt53
1758	2140	OXZ	Lyngby Radio	DNK	w/nav. warn. in EE	ppF
1767	2103	OXZ	Lyngby Radio	DNK	pp in Danish	ppF
1785	1735	LGZ	Farsund Radio	NOR	USB,E/Norw. tfc-list,wx	pt35
1925	2040	IPL	Livorno Radio	I	navig warnings in IT/EE	ppF
2182	1733	EAO	Palma Radio	E	USB,E/S QSY 1755	pt53
2182	1734	LGZ	Farsund Radio	NOR	USB,E/Norw no tfc	pt53
2182	1734	LGN	Bergen Radio	NOR	USB,E/Norw,QSY 1728	pt53
2182	1733	SPH	Gdynia Radio	POL	USB,E/Pol QSY 1692	pt53
2182	1734	OXZ	Lyngby Radio	DNK	USB,E,QSY 1734,1704,1758,2	pt53
2182	1934	YQI	Constanta Radio	ROU	USB,E,QSY 2748	pt53
2182	2208	SAE	Tingstaede Radio	S	USB,E,QSY 2768	pt53
2182	2032	SDJ	Stockholm Radio	S	USB,E,QSY	pt53
2182	1803	OSU	Ostende Radio	BEL	calling C6QC8 QSY	ppF
2579	1700		Non identified	I	It.lang. bulletin(IPB Bari?)	ppF
2656	2155	IPA	Ancona Radio	I	wx for Adriatic Sea	ppF
2657	2115	PN	Port. Navy (Cascais ??)	POR	nav warn in PP/EE	ppF

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2680	2044	IDC	Cagliari R.	I	SAME TX as Livorno	ppF
2719	2042	IZN	Porto Torres	I	SAME TRANSMISSION	ppF
2729	2015	??EI	msg	?	w/fig. + letters in EE	ppF
2748	1935	YQI	Constanta Radio	ROU	USB,E,wx	pt53
2768	2209	SAE	Tingstaede Radio	S	USB,E,nav. warn.,wx	pt53
2806	2125	EAF	Finisterre Radio	E	pp in SP	ppF
2830	2133	SVK	Kerkyra Radio	GRC	USB,Gr./E, wx	pt53
4387	1744	OSU	Ostende Radio	BEL	phone patch (pp) in Dutch	ppF
6357	2357	SAA	Karlskrona Radio	S	CW vvv de SAA	abNL
6415	2359	7TF4	Boufarik Radio	ALG	CW cq	abNL
6815	0608	ICI	MRSC Rome	I	USB,I/E wkg vessels	pt53
6815	0622	ICI 03	MRSC Fiumichino	I	USB,I/E wkg ICI	pt53
6815	0614	ICI 05	MRSC Reggio Calabria	I	USB,I/E wkg IGQW	pt53
6815	0642	ICI 06	MRSC Bari	I	USB,E/I wkg IGKC	pt53
6815	0642	ICI 07	MRSC Ancona	I	USB,E/I r/ch with NA1	pt53
6815	0635		Compamare Termoli	I	USB,I/E wkg vessel	pt53
8421,5	1502	VRX	Hong Kong R.	HKG	SITOR/A tlx/cw mkr	pcG
8422	1512	ESA	Tallinn R.	EST	SITOR/A cw/tlx mkr	pcG
8422	1510	NRV	Apra Hbr USCG	GUM	SITOR/A tlx/cw mkr	pcG
8427,5	2044	A9M	Hamala R.	BHR	SITOR/A tlx/cw mkr	pcG
8428	2040	NMN	Portsmouth USCG	USA	SITOR/A tlx/cw mkr	pcG
8430	1840	RRR34	Moscow R.	RUS	SITOR/A qtc list + mkr	pcG
8433	1610	XSG	Shanghai R.	CHN	SITOR/A tlx/cw mkr	pcG
8450	2104	5AB	Benghazi R.	LYB	cw-cq/v mkr	pcG
8728	1835	3AC	Monaco Radio	MCO	USB,F,wx,ID	pt53
8746	1835	SPE	Szcecin Radio	POL	USB, E/Pol. Tfc-list	pt35
8806	1836	3AC	Monaco Radio	MCO	USB,F,wx,ID	pt53
12459	1623	UAYZ	`Tsymyansk`	IW	cw-wkg UDK2 w msg (13050)	pcG
12459	1632	UAUR	`Ivan Malyakin`	IW	cw-msg to UDK2	pcG
12459	1840	P3NX7	`Vitaly Federov`	IW	cw-clg/wkg UDK2 (CYP - ship)	pcG
12459	1850	UAHP	`Gueizer`	IW	cw-clg UDK2	pcG
12459	1856	UCTC	`Mozdok`	IW	cw-wkg UDK2	pcG
12459	1800	UCTR	`Semenovsk`	IW	cw-replying to UDK2 (RTTY)	pcG
12910	0902	UAT	MOSCOW R.	RUS	cw-b/c msg	pcG
12939	1640	SPE61	Szcecin R.	POL	cw-de mkr	pcG
13002	1353	HEC	Berne Radio	SUI	cw, hec + SITOR	pt53
13004,5	1354	IAR	Rome Radio	I	cw-vvv, mrk	pt53
13015,5	1355	IAR3	Rome Radio	I	cw-vvv, mrk	pt53
13050	1635	UDK2	Murmansk R.	RUS	cw-wkg UAUR (12459)	pcG
13125	1538	LZW	Varna Radio	BUL	USB, VN, wkg vessel, ID	pt53
16682,5	1300	3FKY4	`Ref Lira` (PNR)	IW	cw-wkg UIW (on rtty)	pcG
16682,5	1302	UBDP	`Koralloyv`	IW	cw-wkg UIW (on rtty)	pcG
16682,5	1305	UFNO	`Proliv Vilkits,`	IW	cw-receiving (rtty) fm UIW	pcG
16813,5	0815	CBV	Valparaiso R.	CHL	SITOR/A tlx/cw mkr	pcG
16830	1830	HEC27	Berne R.	SUI	SITOR/A tlx/cw mkr - weak	pcG
16836,5	1304	WLO	Mobile R.	USA	SITOR/A tlx/cw mkr	pcG
16841,5	1654	8PO	Bridgetown R.	BRB	SITOR/A tlx/cw mkr	pcG
16904	1052	UDK2	Murmansk Radio	RUS	cw-udk2 + SITOR	pt53
16932	1309	7TF10	Boufarik R.	ALG	cw-cq mkr	pcG
16960	1152	HZY	Ras Tanura R.	ARS	cw-cq	ai46
17050	1301	4XZ	Ny Haifa	ISR	cw-v mkr	pcG
17073,9	1315	LGX	Rogaland R.	NOR	cw-cq mkr	pcG
17091	1317	XSQ	Guangzhou R.	CHN	cw-cq mkr	pcG
17103,2	1320	XSG	Shanghai R.	CHN	cw-cq mkr	pcG
17147	1324	URL	Sevastopol R.	UKR	cw-cq mkr	pcG
17155,4	1350	8PO	Bridgetown R.	BRB	SITOR/A tlx,cw mkr	pcG
17175,2	1333	A9M	Bahrain R.	BHR	cw-de mkr	pcG
17220	0755	VIE	Darwin R.	AUS	SITOR/A tlx/cw mkr	pcG
18270,5	1150	WPC	Pin Oak Radio	USA	cw-wpc + Digital	pt53
18306	1810	ZSC	Capetown Radio	AFS	cw,zsc + SITOR	pt53
19696,5	1101	8PO	Bridgetown R.	BRB	SITOR/A tlx/cw mkr	pcG
22379	0732	VRX	Hong Kong R.	HKG	SITOR/A tlx/cw mkr	pcG
22382	0736	NRV	Apra Hbr. USCG	GUM	SITOR/A tlx/cw mkr	pcG
22387,5	1054	SVT7	Athens R.	GRC	SITOR/A tlx/cw mkr	pcG
22407,5	1055	UAT	Moscow R.	RUS	SITOR/A cw/tlx mkr	pcG
22408,5	0810	UFL	Vladivostok R.	RUS	SITOR/A msg fm UHVV + tfc	pcG
22425	1058	KHF	Agana R.	GUM	SITOR/A tlx/cw mkr	pcG
22461,4	1420	8PO	Bridgetown R.	BRB	SITOR/A tlx/cw mkr	pcG

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22465	1425	9MG	K.Lumpur R.	MLA	SITOR/A tlx/cw mkr	pcG
26101	1028	KHF	Agana R.	GUM	SITOR/A weak tlx/cw mkr	pcG

## A E R O (Ground - stations)

5680	0614		Gluecksburg Rescue	D	USB,E,clg DRCA	pt53
5687	0700	DHO23	G AF Landsberg	D	USB,E,wkg DHM91	pt53
5687	0724	DHM 91	G AF Muenster	D	USB, E, wkg. GAF 118	pt53
8861	2156		Dakar Aero	SEN	USB,E,wkg Argentina 1141	pt53
8891	1550		Shanwick Aero	G	USB, E, wkg. United 941	pt53
9031	1330	Architect	RAF Bampton Castle	G	USB, E, wx	pt53
11175	1952	XPH5	USAF Thule	GRL	USB,E,wkg Shocksen? 42	pt53
11175	1954	AJO	USAF Incirlik	TUR	USB,E,wkg Reach	pt53
11363	1340		LDOC Easy Jet	G	USB,E,wkg Topsy? 942	pt53
13282	1840		Tokyo Volmet	J	USB,E,Volmet	pt53

## A E R O (aircraft)

Nothing to report !?!

## D I G I T A L

82,8	2200	MKL	RAF Kinloss	G	CW TAFS	abNL
38	2147	SHR	Swedish Navy Ruda	S	RTTY 50 unreadable	abNL
46	2150		unid	?	RTTY 200 unreadable	abNL
51,9	2152	GYW1	Royal Navy Crimond	G	RTTY 50 unreadable	abNL
53	2144	DHJ59	Navy wilhelmshaven	D	RTTY 75 unreadable	abNL
62,6	2158		French Navy Paris	F	RTTY 200 unreadable	abNL
66	2202		French Navy Brest	F	RTTY 200 unreadable	abNL
68	2204		unid	?	RTTY 98,4 unreadable	abNL
68,9	2203	DHJ58	German Navy Gluecksburg	D	RTTY 75 unreadable	abNL
73,3	2207	MTO21	Royal Navy Crimond	G	RTTY unreadable	abNL
75	2210	HBG	Observatoire Neuchatel	SUI	CW time signals	abNL
81	2212	GYN	Royal Navy London	G	RTTY 50 unreadable	abNL
100	2213		LORAN-C	?	Pulses various stations	abNL
122,3	2208	OUA	Danish navy Aarhus	DNK	RTTY 50 unreadable	abNL
123,7	2206	DCF42	IFAG Potsdam	D	300 DGPS (txn Mainflingen)	abNL
129	2214		unid	?	RTTY 50 unreadable	abNL
129,1	2215	DCF49	EFR Berlin	D	ASCII 200 Ripple control	abNL
130	2215		Datatrak	?	Pulses var. stns between 130 and 133 khz in HOL and D	abNL
139	2220	DCF39	EFR Berlin (txm Burg)	D	ASCII 200 Ripple control	abNL
144	2217		Datatrak	?	Pulses var. stns between 144 and 146 in HOL and D	abNL
147	2220		unid	?	RTTY 75 unreadable	abNL
147,3	2218	DDH47	Hamburg Meteo	D	RTTY 50 RY test tape	abNL
440	2245		unid	?	RTTY 100 unreadable	abNL
445,5	2224		French Navy Toulon	F	RTTY 150 unreadable	abNL
490	0820	C	Portpatrick	G	FEC navtex	abNL
490	0720	U	Cullercoats	G	FEC navtex	abNL
511	2250		unid	?	RTTY 150 unreadable	abNL
518	0025		unid, probably Horta	AZR?	FEC navtex.Azores nav warn.	abNL
518	0804	A	CROSS Corsen	F	FEC navtex	abNL
518	0010	B	Bodo	NOR	FEC navtex	abNL
518	0100	G	Cullercoats	G	FEC navtex	abNL
518	0020	P	Hafia Radio	ISR	FEC navtex	abNL
518	2300	S	Niton	G	FEC navtex	abNL
518	2320	U	Tallinn Radio	EST	FEC navtex	abNL
518	2350	X	Reijkjavik	ISL	FEC navtex	abNL
518	0010		Cagliari (tent. missed start)	I	FEC navtex	abNL
518	2330		Augusta (tent. missed start)	I	FEC navtex	abNL
518	0033	D	Stockholm Radio	S	FEC navtex	abNL
518	0100	G	Cullercoats	G	FEC navtex	abNL
518	0110	H	Jeddah Radio	ARS	FEC navtex	abNL
518	0120	J	Karlskrona Radio	S	FEC navtex	abNL
518	2208	L	Rogaland Radio	NOR	FEC navtex	abNL
518	2200	M	Oostende Radio	BEL	FEC navtex	abNL
518	2220	O	Portpatrick	G	FEC navtex	abNL
518	2230	P	Netherlands CG	HOL	FEC navtex	abNL

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518	2240	Q	Malin Head	IRL	FEC navtex	abNL
518	1440	Q	Split Radio	HRV	FEC navtex	abNL
518	2250	R	Roma Radio	I	FEC navtex	abNL
518	2300	S	Niton	G	FEC navtex	abNL
518	2315	T	Oostende Radio	BEL	FEC navtex	abNL
518	2316	T	Italian CG, Cagliari	I	FEC navtex	abNL
518	2320	U	Italian CG, Trieste	I	FEC navtex	abNL
518	2330	V	Italian CG, Augusta	I	FEC navtex	abNL
518	2310	W	Valentia CG Radio	IRL	FEC navtex	abNL
518	2340	W	CROSS la Garde	F	FEC navtex	abNL
518	2350	X	Cabo de la Nao Radio	E	FEC navtex	abNL
518	1800	OST	Ostende Radio	BEL	SITOR-B, navtex	pt53
518	2320		Tallinn	EST	SITOR-B, navtex	pt53
518	2208	GCC	Cullercoats Radio	G	SITOR-B, navtex	pt53
518	1900	GNI	Niton Radio	G	SITOR-B, navtex	pt53
518	2224	GPK	Portpatrick Radio	G	SITOR-B, navtex	pt53
518	2030	PBK	NL Coastguard	HOL	SITOR-B, navtex	pt53
518	2240	9AS	Splitradio	HRV	SITOR-B, navtex	pt53
518	1850		I CG La Spezia	I	SITOR-B, navtex	pt53
518	2015	LGQ	Rogaland Radio	NOR	SITOR-B, navtex	pt53
518	2334	LGV	Vardoe Radio	NOR	SITOR-B, navtex	pt53
518	1722	SDJ	Stockholm Radio	S	SITOR-B, navtex	pt53
520	2255		unid	?	RTTY 100 unreadable	abNL
522	2300		unid	?	RTTY 150 unreadable	abNL
524	2303	LBA	Navy Stavanger	NOR	RTTY 100 unreadable	abNL
3858,5	2001	?	UNID?	?	ARQE/85,7/170 cont crypto	pcG
3959	2008	SUU7	Cairo Meteo	EGY	RTTY-100 AAXX-reports	zeTC
4777,5	1958	IMB51	Rome Meteo	I	WEFAX-120 air forecast	zeTC
4798	1843	?	UNID?	?	ARQE/85,7/170 cont crypto	pcG
5100	1508	AXM32	Canberra Meteo	AUS	WEFAX-120 500 hPa fcst	AUS zeTC
5110	1310	FDG	AF Bordeaux	F	ITA2/50/400 le brick + ry	pcG
5284	1315	?	UNID?	?	ARQE/85,7/170 cont crypto	pcG
5353,5	1725	TWBA	Guardia Civil	E	SITOR-A, 400 hz shift, tfc	pt53
5367,5	2001	FDI22	AF Narbonne	F	ITA2/50/400 le brick+ry test	pcG
5397,7	0735	RFF-	Paris FF	F	ARQE3/200/400/2ch FDXA/FDXB	pcG
5755	1515	AXI32	Darwin Meteo	AUS	WEFAX-120 MSL prognosis	zeTC
5807	1520	ZKLF	Auckland Meteo	NZL	WEFAX-120 sfc anal S.Pacifize	zeTC
5890	1535	RBV78	Tasahkent Meteo	UZB	WEFAX-60 sfc anal	zeTC
6358,5	1656	PBC	Ny Koortwijk	HOL	RTTY 75/R/850 channel mrk	pt53
6834,3	1500	MKK	London DCN	G	PICC/6 foxes/ryi + `de mkk`	pcG
6837	1515	FDG	AF Bordeaux	F	RTTY 50/N/850 test, ry	pt53
6841	2030	FDG	AF Bordeaux	F	RTTY-50 `voyez le brick...`	zeTC
7460	0644	FDG	AF Bordeaux	F	RTTY-50 `voyez le brick...`	zeTC
7510	1620	RF--	FF UNID ?	F	ARQE/72/400 UAF znr msg	pcG
7535	1350	AXI3	Darwin Meteo	AUS	WEFAX-120 sea sfc temp	zeTC
7602	0900	FDI22	AF Narbonne	F	ITA2/50/400 le brick+ry test	pcG
7625	1813	HZN47	Jeddah Meteo	ARS	RTTY 100/N/800,wx	pcG+pt53
7659	1620	HBD20/6	MFA Berne	SUI	SITOR-A,5-fig-groups,ID	pt53
7659	1806	HBD27	SUIEmb wien	AUT	SITOR-A 5 lgs msgs ID	zeTC
7677	1705	HBD63	SUI Emb London	G	SITOR-A,5-fig-groups,ID	pt53
7677	1700	HBD20	Berne MFA	SUI	SITOR/A 5lg grps into s/off	pcG
7722,5	1930	FDI8	AF Nice	F	ITA2/50/400 le brick+ry test	pcG
7760	0610	RGH77	Arkhangelsk Meteo	RUS	RTTY 50/N/1000, wx, no ID	pt53
7784	0630		KAWN	USA	RTTY 75/R/850	pt53
7784	0730	NAR	Key West USN	USA	ITA2/75/850 cont wx msgs	pcG
7907	1910		Arkhangelsk Meteo	RUS	WEFAX-6 Barents sea wx(LSB)	zeTC
8028	1205	V5G	MFA Bucharest	ROU	RUM-FEC 164.7 bd, circular	pt53
8421,5	1445	LZW4	Varna R.	BUL	SITOR/B qtc list	pcG
8424	1625	SVA	Olympia R.	GRC	SITOR/B cq + no tfc	pcG
8682	1450	NMC	USCG Pt. Reyes	USA	WEFAX-satellite image	zeTC
9093,1	2100	RFF--	UNID FF	?	ARQE/72/400 cont idle	pcG
9110	1946	NMF	USCG Boston	USA	FAX-120 txt info	zeTC
11415,2	0900	?	UNID ?	?	ARQE3/200/400/2ch idle A/B	pcG
12298	0946		Ny UK	G	Baudot-1, 75/R/850 encr.	pt53
12561,5	0840	UEFN		IW	ITA2/50/170 msg to unid stn	pcG
12600	1210	7TK27	Boufarik R.	ALG	SITOR/A `0270 bfk rdo` + msg	pcG
12680,4	0737	8PO	Bridgetown R.	BRB	SITOR/A tlx/cw mkr	pcG
12877,5	1647	UIW	Kalinigrad R.	KAL	ITA2/50/170 wkg UEOZ + tfc	pcG

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13050	1800	UDK2	Murmansk R.	RUS	ITA2/50/170 msg to UCTR	pcG
13058	1640	EBA	Ny Spain	E	RTTY 75/R/170 cq, navarea	pt53
13526	1528	D2Z	F Emb Budapest	HNG	FEC-A 192/850 clg. P6Z	pt53
13846,5	1622	RFQP	FF Djibout	DJI	ARQ-E3 100, contr. de voie	pt53
13914	1144	RFFDFA	FF Novo Selo	BUL	ARQ-E 72/400 contr. de voie	pt53
13961,5	0915	HBD20/18	MFA Berne	SUI	SITOR-A,5-fig-groups, ID	pt53
13961,5	1430	HBD58	SUI Emb. Moscow	RUS	SITOR-A, 5-fig-groups, ID	pt53
13977	1458	HBD88	SUI Emb. Tripoli	LBY	SITOR-A, 5-fig-groups, ID	pt53
14366,9	1340	BAF8	Beijing Meteo	CHN	FAX-120 VVV DE BAF BAF BAF	zeTC
14446,7	1705		Cairo MFA	EGY	SITOR/A ATU-Arabic msgs	pcG
14479,7	1500	RF__	UNID ?	?	ARQE3/200/400/2ch idle A/B	pcG
14481,7	0900	RFTJ	Dakar FF	SEN	ARQE3/48/400 TJF to P,Bouet	pcG
14486	1310	P6Z	Paris MFA	F	FEC/A/196/400 cont idle	pcG
14540	1324	?	UNID ?	?	81/81 /400 cont crypto	pcG
14669,3	0730	RFFXL	FF Naqoura	LBN	ARQ-E-184.6 F nx msgs	zeTC
14722,2	1300	?	UNID ?	?	150/850 cont crypto	pcG
14926,7	0715	RFTJ	F Ny Dakar	SEN	ARQ-E3 192 controle de v.	pt53
14982,5	1017	RBV76	Tashkent Meteo	UZB	WEFAX-90 1000hPa height anaz	zeTC
15615	1601	AXI35	Darwin Meteo	AUS	WFAX-120 500 hPa fcst	zeTC
15633	1008	HMF26	KCNA Pyongyang	KRE	RTTY-50/250 E nx	zeTC
15794	0730	SNN299	MFA Warsaw	POL	POL-ARQ 100/225 E, culture	pt53
15916,9	0902	8WB1	IND Emb Beograd	YUG	RTTY 50/400 clg. IWD4, test	pt53
15920	0902	CFH	MACS Halifax Military	CAN	RTTY 75/N/850 naws de cfh	pt53
15971,5	1115		Algerian Customs	ALG	Pactor 200/200 msgs	pt53
15971,8	0850		Algerien customs	ALG	Pactor I, 200/200 F, msgs	pt53
15973	0950	SNN299	MFA Warsaw	POL	POL-ARQ 100 bd, media	pt53
16143	0840		FAPSI	RUS	RTTY 75/N/500 5-fig-groups	pt53
16671,8	1530	?	UNID ?	?	SITOR/A Greek ship msgs/s-cap	pcG
16747,1	1654	?	UNID ?	PHL	SITOR/B philipine news/EE	pcG
16789	1302	?	UNID ?	PHL	SITOR/B news/msg in E/Filipi	pcG
16803	1610		Manila PNA	PHL	SITOR/B long EE news b/c	pcG
16821,5	1400	OXZ	Lyngby R.	DNK	SITOR/B Danish news b/c	pcG
16830,5	1310	SVU6	Athens R.	GRC	SITOR/B Greek news b/c	pcG
16833,5	1832	UIW	Kaliningrad R.	KAL	SITOR/A wkg ship	pcG
16840,5	1400	RRR34	Moscow R.	RUS	SITOR/B cq+exchange rate inf	pcG
16851,5	1615	?	UNID?	?	PACTOR? idle?	pcG
16869	1220	KHF	Agana R.	GUM	SITOR/A tlx/cw mkr	pcG
16879	1045	LZW	Varna Radio	BUL	SITOR-A, tlc-list	pt53
16927	1258	UIW	Kaliningrad R.	KAL	ITA2/50/170 ryry test/cq	pcG
18193	0955		FAPSI	RUS	RTTY 75/N/500 5-fig-groups	pt53
18212	0850		Deutsche welle	?	RTTY100/425,S text	pt53
18223,7	0758		MFA Cairo	EGY	SITOR-A and B, clg. Accra	pt53
18271,7	1145		MFA Cairo	EGY	SITOR-A msg. to Addis Ababa	pt53
18334,7	1135	KKVA	EGY Emb Lagos	NIG	SITOR-A msg to MFA Cairo	pt53
18400,4	0737		MFA Budapest	HNG	Dup-ARQ 125 bd, msgs	pt53
18810,4	0920		MFA Budapest	HNG	DUP-ARQ 125 bd., msg	pt53
19826,9	1056	KFQR	pres. MFA Oslo	NOR	SITOR-A,kfqr, then kfco	pt53
19830	0705		MFA Paris	F	FEC-A 192, msgs to w3s	pt53
20334	1015		FAPSI	RUS	RTTY 75/N/500 5-fig-groups	pt53
20613	1530	HBD61	SUI Emb. Cairo	EGY	SITOR-A, 5-fig-groups	pt53
20810,9	1033	SAM	MFA Stockholm	SUI	SWED-ARQ,5-fig-groups,Id	pt53
22447	1415	RFUINE	Unid	?	ITA2/75/850	pcG
22818,5	1117	TQKP	Spanish Diplo	?	SITOR-A, selcal only	pt53

T I M E S I G N A L

60	2156	MSF	NPL Teddington	G	CW time signals	abNL
77,5	2210	DCF77	PTB Braunsweig	D	CW time signals	abNL
5000	0115	YVTO	Caracas	VEN	S TS OM/TA + ID	zeTC
20000	1646	WWV	Fort Collins	USA	E TS OM-TA	zeTC

Q S L - R E V I E W

ITU Station	days	rvcd/gvn	QRG	Call	Power	name
ALB-NDB Tirana	24	f/d lt,sase	290	`TR`		lrG
ANT-PB Adelaide Island	219	ppc	28285	VP8ADE	10 w	egCH
ARG-PB El Trebol	17	f/d cd,l,vc	28199	LU1FHH	25 w	egCH

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AUT-NDB Graz	73	f/d cd,i,st,pin	290	`GRZ`	100 w	egCH
B -Manaus Aero	21	ppc,l,vc	8855		100 w	egCH
B -NDB Carajas	29	p/d lt,foto reg.reply	1700	`CRJ`		lrG
BEL-NDB Denderhouten	63	n/d foto of NDB fup	393	`DEN`		lrG
CAN-CCG Iqualuit	25	f/d cd,l,i	6513	VFF	1 kw	egCH
CAN-CCG Port aux Basques	30	(f/up) l,vc	2598	VOJ	750 w	egCH
CAN-NDB Stephenville	33	f/d lt	390	`JT`		lrG
CAN-PB Fredericton	368	f/d cd	28241	VE9MS/B		egCH
CHL-Ny Punta Arenas	31	f/d PPC,foto	17486	CCM		pt53
CZE-NDB Brno-Turany	118	ppc,lt/sase	429	`B`	60 w	zeTC
CZE-NDB Brno-Turany	118	ppc,lt/sase	368	`BNO`	100 w	zeTC
D -NDB Leipzig	205	f/d lt, ppc/ms	340	`ZIG`	100 w	zeTC
D -PB Kiel	7	cd	28277.5	DF0AAB	15 w	egCH
D -Special Event St.Cuxhaven	18	ppc	11638	DDK8	300 w	egCH
DNK-NDB Aalborg	33	f/d lt	398	`GL`		lrG
E -Cabo Gata R.	5	f/d cd (pers.f/up)	2182		1 kw	egCH
E -NDB La Coruna	9	ppc f/up	401	`LRA`		lrG
E -NDB La Coruna	9	ppc f/up	410	`C`		lrG
E -NDB Salamanca	13	ppc/ms	399	`MTN`		lrG
E -NDB Salamanca	13	ppc/ms	423	`SCA`		lrG
E -NDB Torre de Hercules	57	f/d lt via cen-ads	301,5	`L`		lrG
E -NDB Cabo de Palos	57	f/d lt via cen-ads	313	`PA`		lrG
E -NDB Cala Figuera	57	f/d lt via cen-ads	286,5	`FI`		lrG
E -NDB Cabo San Sebastian	57	f/d lt via cen-ads	291	`SN`		lrG
E -NDB Cabo de la Nao	57	f/d lt via cen-ads	285	`NO`		lrG
E -NDB Cabo Machichaco	92	f/d lt (via c/a)	284.5	`MA`		egCH
E -NDB Cala Figuera	92	f/d lt (via c/a)	286.5	`FI`		egCH
E -NDB Mahón	92	f/d lt (via c/a)	292	`MH`		egCH
E -Tarifa R.	5	f/d cd (pers.f/up)	2182		1 kw	egCH
EST-NDB Tallinn/Ulemiste	27	f/d lt	329	`IB`		lrG
F -FF Mons Valerien	28	vc, IRC,	6825	FAV22		pt53
F -NDB Chalons-Vatry	13	p/d lt	367	`VAT`		lrG
F -PB Toulouse	5	f/d cd	28246	F5TMJ/B	5 w	egCH
FIN-NDB Oulu	231	f/d lt,sti	350	`LAA`		lrG
FIN-NDB Pori	170	p/d lt in finnish f/up	375	`FR`		lrG
FIN-NDB Pori	31	p/d lt in finnish	375	`FR`		lrG
FIN-NDB Turku	218	f/d cd,i	389	`RK`		lrG
G -NDB Castle Breakwater	2	f/d e-mail	304,5	`GY`		lrG
G -RNAS Culdrose	10	p/d lt,fo,booklet	5696	`Culdrose Ops`		lrG
GHA-Accra Aero	14	f/d lt	6586			lrG
GUF-Cayenne Aero	16	lt	8855		400 w	egCH
HNG-NDB Jászberény	?	f/d lt	517	`JBR`	100 w	egCH
I -NDB Capo Sandalo	14	f/d lt,i,vc	310	`IP`		lrG
I -NDB Codogno	28	f/d lt	400,5	`COD`		lrG
I -NDB Senigallia	34	p/d e-mail	311,5	`SA`		lrG
I -NDB Genova/Camogli	117	f/d lt	318	`GEN`		egCH
I -Nucleo Aereo Sarzana	17	PPC	6815	NA1		pt53
I -PB Montefelcino	25	f/d cd	18068	IK6BAK/Beacon	5 w	egCH
IRL-NDB Cork	12	n/d lt/IRC	343	`OC`		lrG
IRL-NDB Foynes	21	ppc via cen-ads	395	`FOY`		lrG
J -Tokyo VOLMET	17	f/d cd	13282		1.5 kw	egCH
JMY-NDB Jan Mayen	50	f/d lt/IRC via JX7DFA	362	`JAN`		lrG
JOR-LDOC ALIA Amman	58	n/d lt f/up	13225			lrG
MEX-LDOC Aeromexico	70	vc,USD,PPC/vc	13339		100 w	pt53
MEX-PB Mexico D.F.	30	f/d cd	28189	XE1SRF/B		egCH
MLT-Malta CG	21	f/d lt	6815			lrG
NOR-NDB Batvik	63	cd via c/a	362	`BVK`	100 w	zeTC
NOR-NDB Föyno	179	cd via c/a	267	`FNO`	100 w	zeTC
NOR-NDB Grakalen	63	cd via c/a	358	`GRK`	100 w	zeTC
NOR-NDB Höynes	179	cd via c/a	384	`HNS`	100 w	zeTC
NOR-NDB Leirin	63	cd via c/a	342	`LL`	50 w	zeTC
NOR-NDB Lista	179	cd via c/a	383	`LST`	100 w	zeTC
NOR-NDB Minnesund	179	cd via c/a	347	`MSK`	100 w	zeTC
NOR-NDB Rørs	63	cd via c/a	336	`RO`	100 w	zeTC
NOR-NDB Rygge	63	cd via c/a	396	`YG`	25 w	zeTC
NOR-NDB Sokna	63	cd via c/a	387	`SOK`	100 w	zeTC
NOR-NDB Tautra	63	cd via c/a	393	`TAT`	100 w	zeTC
NOR-NDB Torp	179	cd via c/a	283	`SF`	100 w	zeTC

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NOR-NDB Uthaug	63	cd via c/a	366	`UTH`	100 w	zeTC
NOR-NDB Vaga	179	cd via c/a	275	`VG`	100 w	zeTC
NOR-NDB Varhaug	63	cd via c/a	319	`VAR`	100 w	zeTC
ROU-NDB Arad	358	PPC,lt	517	`ARD`	50w	pt53
ROU-NDB Arad	114	f/d lt	517	`ARD`		lrG
S -NDB Arvika	38	f/d cd,vc	390	`AV`		lrG
SUI-PB Bellinzona	10	cd	18069	HB9TC	8 w	egCH
USA-MARS Binghamton	12	vc,USD,PPC/lt,cd	13927	AFA1YV	1500 w	pt53
USA-MARS East Liverpool	42	f/d PPC,cd	13927	AFA1MH	1000 w	pt53
USA-MARS Edwards AFB,CA	101	f/d cd (AFD)	13983.5	AIR-2	1000 w	egCH
USA-MARS Greenwood,IN	15	ppc,lt	13927	AFA1QW	1 KW	egCH
USA-MARS Salt Springs	46	vc,USD,PPC/PPC	13927	AFA2XZ	1000 w	pt53
USA-MARS Salt Springs,FL	12	ppc	13927	AFA2XZ		egCH
USA-MARS Shelbyville,IN	10	ppc,fo,lt	13927	AFA1EN	1 KW	egCH
USA-PB Ft.Lauderdale	9	cd	28265	KK4XO/B		lrG

October NAVTEX Observations by rbCH (good work, ed!)

Antenne was a K9AY, always with Preampfier

ANT = Direction for this reception. (E=east N=North, etc)

RX was a Rhode & Schwarz EK 890, Modem from K7SZL, min NF-Filter DGD 84 NF

Decoder Hamcomm 3.1

Date	UTC	QRG	ID	Station	ANT
02.10	0338	518	SB35	???	W
09.10	0117	518	NA82	ALEXCOAST	E
07.10	2218	518	NL09	ALEXCOAST	S
10.10	0211	518	NE21	ALEXRADIO	E
09.10	2213	518	NL01	ALEXRADIO	E
02.10	2357	518		ALEXRADIO SUZ/22	W
18.10	0054	518	NA70	ALEXRADIO	-
21.10	2331	518	VA03	AUGUSTA RADIO	E
28.10	0331	518	VA06	AUGUSTA RADIO	E
01.10	2352	518	XA06	CABO LA NAO	W
02.10	2315	518	XA07	CABO LA NAO	W
02.10	0011	518	XD01	CABO LA NAO	W
02.10	0348	518	XD01	CABO LA NAO	W
02.10	2338	518	XD02	CABO LA NAO	W
01.10	1951	518	XE88	CABO LA NAO	W
02.10	0006	518	AA14	CROSS CORSEN	W
02.10	0355	518	AA16	CROSS CORSEN	W
06.10	0400	518	AA28	CROSS CORSEN	N
01.10	1937	518	AB24	CROSS CORSEN	W
01.10	2000	518	AB24	CROSS CORSEN	W
02.10	2043	518	AB27	CROSS CORSEN	W
01.10	2355	518	AE69	CROSS CORSEN	W
08.10	0131	518	KA57	CROSS CORSEN	E
09.10	0140	518	KA57	CROSS CORSEN	E
16.10	2140	518	KA57	CROSS CORSEN	N
02.10	0341	518	WA97	CROSS LA GARDE	W
01.10	1941	518	WB44	CROSS LA GARDE	W
01.10	2341	518	WE73	CROSS LA GARDE	W
06.10	2332	518	WL65	CROSS LA GARDE	N
01.10	2104	518	GA43	CULLERCOATSRADIO	W
03.10	2310	518	GA49	CULLERCOATSRADIO	W
16.10	2015	518	GB18	CULLERCOATSRADIO	N
22.10	2209	518	GB35	CULLERCOATSRADIO	N
23.10	2043	518	GB38	CULLERCOATSRADIO	W
03.10	0248	518	GB67	CULLERCOATSRADIO	W
06.10	0313	518	GB78	CULLERCOATSRADIO	N
02.10	0100	518	GE16	CULLERCOATSRADIO	W
06.10	0205	518	MA03	CYPRUSRADIO	N
16.10	2211	518	ME32	CYPRUSRADIO	N
19.10	0034	518	DA25	FINISTERRE	E
01.10	2032	518	DE14	FINISTERRE	W
02.10	0123	518	JA70	GISLOVSHAMMER	W
01.10	2122	518	JB92	GISLOVSHAMMER	W



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09.10	0025	518	PF26	HAIFARADIO		E
09.10	2246	518	HB59	IRAKLEIO RADIO		E
08.10	0111	518	HD00	IRAKLEIO RADIO		E
08.10	0033	518	DA60	ISTANBUL TURK RADIO		E
18.10	2311	518	TV01	ITALIAN COAST GUARD		E
18.10	2321	518	UA01	ITALIAN NAVTEX SERVICE		E
23.10	0209	518	UA05	ITALIAN NAVTEX SERVICE		N
22.10	2332	518	VA06	ITALIAN NAVTEX SERVICE		N
15.10	0123	518	IA10	IZMIR TURK RADIO		E
06.10	0104	518	HA12	JEDDAH RADIO/HZH		N
06.10	2232	518	KA28	KERKYRA RADIO		N
01.10	2144	518	KA81	KERKYRA RADIO		W
21.10	2259	518	KB05	KERKYRA RADIO		E
02.10	0140	518	KD00	KERKYRA RADIO		W
02.10	0235	518		KERKYRA RADIO		W
12.10	2151	518	LA96	LIMNOS RADIO		E
09.10	2025	518	LB58	LIMNOS RADIO		E
09.10	2256	518	LB59	LIMNOS RADIO		E
14.10	2219	518	LB73	LIMNOS RADIO		E
08.10	0151	518	LD00	LIMNOS RADIO		S
03.10	0240	518	QA33	MALIN HEAD MRSC	EJM	W
02.10	2211	518	QB29	MALIN HEAD MRSC	EJM	W
02.10	2233	518	QE70	MALIN HEAD MRSC	EJM	W
01.10	2245	518		MALIN HEAD MRSC	EJM	W
02.10	0227	518	OA18	MALTARADIO		W
03.10	2226	518	OA42	MALTARADIO		W
08.10	2249	518		MALTARADIO		E
15.10	0101	518	BA	MARIUPOL RADIO		E
17.10	0114	518	BA34	MARIUPOL RADIO		N
15.10	2043	518	RA16	MONSANTORADIO		E
01.10	1851	518	RE47	MONSANTORADIO		W
01.10	2253	518	RJ62	MONSANTORADIO		W
02.10	0254	518	RL70	MONSANTORADIO		W
03.10	0213	518	RL72	MONSANTORADIO		W
06.10	1832	518	P	NETHERLANDS COASTGUARD		N
24.10	0108	518	PA09	NETHERLANDS COASTGUARD		W
28.10	0011	518	PA14	NETHERLANDS COASTGUARD		E
02.10	0231	518	PA53	NETHERLANDS COASTGUARD		W
01.10	2231	518	PA66	NETHERLANDS COASTGUARD		W
04.10	0313	518	PA70	NETHERLANDS COASTGUARD		W
15.10	2044	518	PA91	NETHERLANDS COASTGUARD		E
16.10	2216	518	SB??	NITONRADIO		N
01.10	0300	518	SB29	NITONRADIO		W
01.10	2243	518	SB33	NITONRADIO		W
01.10	2300	518	SB33	NITONRADIO		W
02.10	0237	518	SB34	NITONRADIO		W
15.10	2210	518	SB79	NITONRADIO		E
01.10	1900	518	SE53	NITONRADIO		W
14.10	2238	518	CL19	ODESSA RADIO		E
18.10	0239	518	CL30	ODESSA RADIO		-
02.10	0200	518	MA20	OOSTENDERADIO		W
01.10	2200	518	MA20	OOSTENDERADIO		W
03.10	2020	518	MA25	OOSTENDERADIO		W
03.10	0312	518	TA04	OOSTENDERADIO		W
01.10	2310	518	TA69	OOSTENDERADIO		W
06.10	1913	518	TA81	OOSTENDERADIO		N
15.10	0210	518	NA47	ORLANDET		E
20.10	2211	518	NA93	ORLANDET		S
15.10	0230	518	OA49	PORTPATRICKRADIO		E
15.10	2204	518	OB17	PORTPATRICKRADIO		E
03.10	2220	518	OB71	PORTPATRICKRADIO		W
02.10	0220	518	OJ29	PORTPATRICKRADIO		W
01.10	2121	518	LA51	ROGALAND RADIO		W
02.10	0216	518	LA52	ROGALAND RADIO		W
06.10	2331	518	LA61	ROGALAND RADIO		N
06.10	0236	518	LA62	ROGALAND RADIO		N
06.10	0409	518	LA63	ROGALAND RADIO		N
01.10	2150	518	LA84	ROGALAND RADIO		W

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06.10	2214	518	LA85	ROGALAND RADIO	N
18.10	0317	518	LB01	ROGALAND RADIO	-
03.10	0150	518	LE34	ROGALAND RADIO	W
28.10	0247	518	RA06	ROMA RADIO	E
27.10	2255	518	RA07	ROMA RADIO	E
19.10	2355	518	XA78	SERAPEUM RADIO	E
04.10	0242	518	QE54	SPLITRADIO	W
03.10	2242	518	QE54	SPLITRADIO	W
06.10	0031	518	DA14	STOCKHOLM	N
01.10	2035	518	DA90	STOCKHOLM	W
02.10	0014	518	DA95	STOCKHOLM	W
02.10	2322	518	UA79	TALLIN RADIO	W
28.10	0321	518	UA04	TRIESTE RADIO	E
21.10	2323	518	UA04	TRIESTE RADIO	E
18.10	0116	518	IZ10	unid	-
16.10	2110	518	IZ10	unid	N
17.10	0236	518	????	unid Russian, ODESSA?	N
21.10	2322	518		unid, ITALIEN	E
02.10	0341	518	WA20	VALENTIA COAST GUARD	W
01.10	2215	518	WA20	VALENTIA COAST GUARD	W
01.10	2341	518	WA20	VALENTIA COAST GUARD	W
02.10	0010	518	WB21	VALENTIA COAST GUARD	W
16.10	2246	518	WB58	VALENTIA COAST GUARD	N
16.10	2013	518	WD25	VALENTIA COAST GUARD	N
01.10	1941	518	WE90	VALENTIA COAST GUARD	W
06.10	0132	518	JA95	VARNA RADIO	N

Membership and money corner:

Addresses/Infos/Veri-signers:

MARS Salt Springs/AFA2XZ: John O. Williams, P.O.Box 5297, Salt Springs, Fl. 32134-5297, USA (pt53)

FF Mons-Valerien/FAV22: Direction Centrale des Telecommunications et de l'Informatique, Centre de Controle des Frequences et Surveillance de l'Exploitation Nord, Fort de Bicetre B.P. no. 7, Adresse postale: 14 rue St. Dominique, F- 00450 armees (pt53)

NDB Gleichenberg/GBG: Austro Control, Technischer Dienst, A-1300 Wien (pt53)

NDB Arad/ARD: Romanian Air Traffic Services Administration, Division of Regional controlled Airspace Arad, 29, Henri Coanda Str., 2900 Arad, Romania (pt53) (v/s Marius Irlweg)(pt53)

Ny Chile, Punta Arenas/CCM: Centro de Telecomunicaciones Navales Magallanes, Punta Arenas, Chile (pt53)

Nucleo Aereo Sarzana/NA1: Ministero dei Trasporti e della Navigazione, Comando Base Aeromobil delle Capitanerie di Porto `Roberto Aringhieri/NA1`, I-19038 Sarzana, Italy (pt53)

MARS East Liverpool/AFA1MH: Richard Feldman, P.O.Box 30, East Liverpool, OH 43920-5030, USA (pt53)

NDB's La Coruna/LRA/C: Aeropuerto de la Corunna, Apt. De Correos 80, E-15080 La Coruna (lrg)

NDB Pori/FR: Porin Lentoasema, Pori Airport, PL-P.O.Box 101, FIN-28101 Pori (lrg)

NDB Tirana/TR: Chief of Tirana ACC, Rinas Airport, Tirana (lrg) (v/s: Edmond Tetaj) (lrg)

Accra Aero: Air Traffic Control, P.O. Box 9181, Kotoka International Airport, Accra (lrg)(v/s: E. Oti Boadi - watch manager)(lrg)

RNAS Culdrose: Air Operations RNAS Culdrose, Helston, Cornwall, TR12 7RH (lrg)

LDOC ALIA Amman: Royal Jordanian, P.O. Box 302, Amman (lrg)

NDB's Brno/B/BNO: Rizeni letoveho provozu CR, s.p. , Letiste Brno/Turany,

Stredisko letovych navigacnich sluzeb, CZ-627 00 Brno 27, Czech Republic (zeTC)

NDB Leipzig/ZIG: Deutsche Flugsicherung GmbH, POB 1141, D-04029 Leipzig, Germany (zeTC)

NDB Codogno/COD: Ente Nazionale di Assistenza al volo C.R.A.V. Milano, 20090 Aeroporto Linate, Reparto Technico (lrg)

NDB Tallinn/IB: Estonian Air Navigation Services, Lenmnujaame 2, 11101, P.O. Box 9, Tallinn (lrg) Fax: +3726258200 e-mail: eans@eans.ee

NDB Aalborg/GL: Flyvesikringstjenesten Flyvestation Aalborg, Thisted Landevej 53, 9430 Vadum (lrg)

NDB Castle Breakwater/GY: Commercial Manager Guernsey Harbours, White Rock, St.

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Peter Port, Guernsey, Channel Islands (1rG)

NDB Carajas/CRJ: Lindolfo G. de C. Mendes, Aeroporto de Carajas s/n, Carajas-PA 68516-000 (1rG)

NDB Arad/ARD: ROMASTA 29 Henri Coandastreet, 2900 Arad (1rG) (v/s Marius Irlweg, e-mail: marius.romatsa@inext.ro )(1rG)

NDB Senigallia/SA: Ispettorato di Supporto Navale Logistico, e die fari, 4 Reparto via Taormina 4, I-00100 Roma (1rG)

NDB Stephenville/JT: Stephenville Airport Radio, 7 Tennessee Drive, Stephenville, NF A2N 2Y3 (1rG) (v/s Barry Murphy, e-mail CYJT@NFLD.NET)(1rG)

Malta CG: Headquarters Armed Forces of Malta, Luqa Barracks (1rG)

TOKYO VOLMET: Japan Meteorological Agency 1-3-4 Otemachi Chiyodaku Tokyo,100 Japan(egCH)

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PB Bellinzona/HB9TC: HB9AFZ,F.Delprete,Via Filanda 6b, CH-6500 Bellinzona, Switzerland(egCH)

PB Kiel/DF0AAB: Otto Peters, Wuestenfelde 12, D-24147 Kiel, Germany

PB Montefelcino/IK6BAK/B: Eliseo Chiarucci,Via Sterpeti 50,I-61030

Montefelcino,Pesaro,Italy(egCH)

PB Mexico DF/XE1SRF/B: Fernandez Mas Rodrigo,Calz.México Xochimilco #101,SN.Lorenzo Huipulco 14370,México DF,México(egCH)

Marinecomms (from 1rG)

I would also like to mention about a news group called marinecomms dedicated to monitoring radio communication on marine bands inc 2182 etc, a members survey for 2182 is planned for first weekend of december. More info at:

<http://www.egroups.com/subscribe/marinecomms>

Singapore Radio (via pt53)

With effect from 1st april 2001, singaporeradio/9vg will cease radio communication services on all hf (rt/wt)/vhf rt channels. The services to be ceased are radio telegram,radio telexogram, radio telephone calls and radio telex messages. we thank you for supporting and using 9vg services. we encourage you to use our mplus (mini-m) services for voice/fax/data communication and inmarsat-c for text communication via singtel sentosa land earth station. For more information on these services~ please feel free to contact us. Operations manager singaporeradio/9vg.  
ends

EHY & the other Spanish Coast Stations (from egCH) tnx Ewald, ed!

Hi all,

The explanation for the rather modest response quota from the central address lately appears to be that the Servicio Marítimo has moved twice in the past months.

When im Madrid a few days ago, I took the time to track down the current address which might be of interest to readers. It is as follows:

Telefónica

Servicio Marítimo

c/Rios Rosas, 26, 3a Sector A

E-28003 Madrid

Rather good news is that, although the telegraphy and telex operations have been discontinued, Madrid Radio/EHY and all the other Spanish coast stations do not envisage to reduce activities in telephony on HF, MF and VHF, the main reason being the huge Spanish fishery fleet. EHY's operational center is, by the way, located in the eastern part of the town of Madrid, close to the metro station Torre Arias. The tx site of EHY is in Pozuelo del Rey, east of Madrid. If my memory is correct, the station once even was called Pozuelo del Rey Radio.

PECIAL EVENTS - DECEMBER - NETHERLANDS PC50R (via pt53 - WUN)

December 15th the Radiocommunications Agency (RDR) of The Netherlands will celebrate the 50th anniversary of former intercontinental radio receiving station, named `NERA`.

This specialised radio receiving station was opened on December 15th, 1950, to

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function as the `ears` for the famous 'Kootwijk' Radio transmitter station, some 70 miles to the east.

At first the main goal of these two stations was to maintain communication with the Dutch colonies (Indonesia, New Guinea, Surinam and the Netherlands Antilles). Later on other long-range communication purposes were added.

After long-distance short-wave slowly faded as other powerful alternatives emerged, `NERA` was converted in a professional monitoring station for long-wave through UHF signals for the Radiocommunications Agency.

`NERA` stands for Nederhorst-den-Berg RADio. Nederhorst-den-Berg is a village near Hilversum in the centre of Holland. The reception site, which lays in the Horstermeer nature reserve, was chosen for it's quiet RF environment and excellent ground characteristics. The nature reserve's specific flora and fauna stems from it's natural salt water sources.

Of course `radio` will be the magic word during the celebrations, and amateur radio will be part of it. Besides, the weekend before the official celebrations, on Saturday/Sunday December 9th and 10th, a special event station will be operated by employees of the Radio Agency. The callsign applied for (but not issued yet) is PC-50-R, a prefix never before used in The Netherlands.

Activity will be around the clock, propagation permitting, in CW, SSB or PSK31 on 70cm, 2, 10, 15, 20, 40, 80 and 160 meters. On 160 meters a full-size inverted Vee dipole at 65 meters above very good ground will be used, on 10-20 meters a two elements Yagi 30 meters above the same ground will do the job. Dipoles will be used on 80 and 40 meters.

Although all stations will be replied to, especially stations from YB, YB9, PJ, P4 and PZ (the former colonies) are invited to call, because of the historic getting of this station. Skeds requests from stations located in these regions are warmly welcomed.

Please write or Email to:

Ben Witvliet, PA5BW c/o NERA, Radioweg 3, Nederhorst-den-Berg, The Netherlands  
ben.witvliet@rdr.nl

A special QSL-card will be awarded to all contacting stations, and will be send by bureau automatically.

> Heard today @ about 1105z on 11175, the following message from Croughton  
> GHFS. I didn't tape it so the wording isn't exact:  
> `All stations, all stations, this is Croughton Global securing from this  
> net, due to Scope Command upgrade, (after 15 years legacy)?. All future  
> traffic to be directed to Thule (or Andrews)? This is the last transmission  
> from Croughton Global. Croughton out`.  
> End of an era :-( (received from pt53 - WUN)

Rogaland Radio closing down the morse radiotelegraphy service from 1st December 2000. (WUN via pt53)

Many thanks to following (8) faithful contributors: ppF (a very warm welcome, ed!), egCH, abNL, pt53, zeTC, lrg, pcG, aiI(=ai46 on the island of Ischia)  
gd dx + 73's, until next month (c)  
Andreas

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