

EUNL1999

UAAA;  
 3 The European Utility Newsletter Logs - EUNL (c) 3  
 AAÙ

EUROPEAN UTILITY NEWSLETTER 1-1999

```
*****
* Editor:      Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY      *
* Tel.:       (49) 02841 / 178529 ***** e-mail: aibold@aol.com      *
* Home page:  http://members.aol.com/aibold/EUNL.htm                    *
* Treasurer:  Norbert Reiner                                           *
* Membership fees to: Badische Beamtenbank Karlsruhe                   *
* Konto Nr.:  2038005 BLZ: 66090800                                    *
* Dispatcher: Norbert Reiner                                           *
* -----*
* Membership fees for the printed copies: payable to the treasurer     *
* Germany: 20 DM; Europe: 20 DM (13 $); Overseas: 25 $ or the equivalent in *
* foreign currency - no cheques please!!                               *
*
*                               Deadline: 20th of the month!!!          *
*****
```

Hi ute buffs,

First I like to wish all of you a happy New Year with lots of good DX! I hope everything is all right and we can start into another famous year at least the last one before we beam into the year 2000... only eleven issues to go, hi.

Important info: This is the first EUNL in two different versions due to a huge incoming material: The 'normal' paper version with the usual 12 pages and an Internet version with 22 (!) pages. All NDB loggings, QSL's, addresses and Informations are in the paper version. I also tried to put logs of the other columns as an extract in the paper version. There is also a new and updated addresslist available in the internet. Thanks for this great work!

N D B

255	0111	H	Wroclaw-Strachowice	POL	id	zeTC
258	0114	RAD	Radovest	BUL	id	zeTC
267	0103	FNO	Foyno/Haugesund	NOR	id	zeTC
274	2341	SAL	Sal	CPV	id + dash	nr76
275	2340	MS	Monastir/Msaken	TUN	id	nr76
276,5	0108	BW	Bremen	D	id	nr76
276,5	0034	BSF	Bou sfer (tent)	ALG?	id + dash	nr76
277	0136	CHT	Chiltern	G	id	nr76
283	1716	KBV	Kobbevag for Tromsø	NOR	id	moS
283	2352	SF	Torp/Sandefort	NOR	id	nr76
290	1039	TP	Oulu	FNL	id	moS
290	1808	TR	Tirana/Rinas	ALB	id	nr76
291	2026	ONL	Liege	BEL	id	pt53
292	2034	NKR	Neckar	D	id	pt53
295,5	0024	JA	Jaroslawiece Lt.	POL	id + tone	pt53
295,5	1811	EM	Etampes Mondesir	F	id + dash	nr76
298	1813	RR	Round Island	G	id + dash	nr76
307	1815	DIK	Diekirch	LUX	id	pt53
307,5	0015	PA	Palma de Mallorca	E	id	nr76
311,5	1819	GD	Girdleness	G	id + dash	nr76
312	1722	DJ	Östersund/Froson	S	id	moS
312	1823	MUR	Muri for Bern Belp	SUI	id	nr76
312,5	0148	AK	Akmenrags	LVA	id + dash	nr76
312,6	0149	LB	Liepaja	LVA	id + dash	nr76
312,6	0151	KA	Klaipeda	LTU	id + dash	nr76
315	1724	Q	Kajaani	FNL	id	moS
315	2115	MIL	Unid	F?	id + dash	nr76
317	1726	HG	Trondheim/Vaernes/Hegra	NOR	id	moS
317,5	0208	TRP	Trapani/Birgi	I	id	nr76
318	1839	LE	Luxembourg	LUX	id	pt53

## EUNL1999

318	1043	YV	Ylivieska	FNL	id	moS
320	1302	OL	Lycksele	S	id	moS
320	0110	TY	Troyes/Barberey	F	id + dash	nr76
322	1301	OD	Örnsköldsvik	S	id	moS
324	0014	ML	Tirstrup	DNK	id	nr76
324	2248	S	Unid	?	id (36x / min)	nr76
325	1728	JOE	Joensuu	FNL	id	moS
327	1030	TNL	Tatenhill (under test)	G	id - continuous	agG
329	1252	WU	Umeå	S	id	moS
330	0558	SKS	Karlstad	S	id	mo76
331	0059	NMN	Mendig	D	id + 2 tones	pt53
331	1045	UT	Hemavan	S	id	moS
333	1258	DD	Lycksele	S	id	moS
335,5	0056	TWN	Twenthe	HOL	id	zeTC
337	2126	ZL	Maastricht	HOL	id	pt53
338	2228	RUD	Ruedesheim	D	id + tones	pt53
339	1047	V	Kruunupyy	FNL	id	moS
340	1048	O	Oulu	FNL	id	moS
341	0559	NKS	Karlstad	S	id	mo76
342	0557	LL	Fagernes/Leirin	NOR	id	mo76
346	1920	WLU	Luxembourg	LUX	id	pt53
346,5	2140	BMN	Bremen	D	id	nr76+pt53
348	1310	GUN	Storuman/Gunnarn	S	id	moS
348	0035	SCL	Apt/St. Christol	F	id + dash	nr76
348,5	2037	LG	Liege-Bierset	BEL	id	pt53
351	2245	OV	Visby	S	id	pt53
351	2150	HU	Hudiksvall	S	id	moS
351,5	0413	PLA	Pula	HRV	id + 5 second tone	agG
352	0554	NEW	Newcastle	G	id	mo76
352	0551	TRF	UNID	?	id	mo76
352	0553	ZO	Stavanger/Sola	NOR	id	mo76
352,5	2140	DD	Oostend	BEL	id	nr76
354	2054	MTZ	Metz	F	id + tone	pt53
354	2148	V	Ylivieska	FNL	id	moS
354	1935	TST	Unid	?	id (once all 10 sec`s)	nr76
355	0410	PIK	Prestwick	G	id - continuous	agG
356,5	0222	SHU	Schupberg	SUI	id - continuous	agG
357	1303	SEP	Vaasa/Seppi	FNL	id	moS
358	0058	CVU	Castres/Mazamet	F	id + dash	nr76
360	2151	ULV	Brønnøysund/Ulvingen	NOR	id	moS
360,5	2251	MAK	Mackel	BEL	id + tone	pt53
361	0541	RO	Kauhava	FNL	id	mo76
364	1304	VNA	Vanja	S	id	moS
365	0539	GY	London/Gatwick	G	id	mo76
365,5	0047	BC	Brasschaat	BEL	id	mo76
368,5	2255	ELU	Luxembourg	LUX	id	pt53
369	1259	OO	Örnsköldsvik	S	id	moS
370	1300	L	Lycksele	S	id	moS
372	2315	ODR	Odderoy	NOR	id	pt53
373	2307	NW	Maastricht	HOL	id	pt53
374,5	2316	SOG	Solling	D	id	pt53
375	2156	HET	Enontekiö/Hetta	FNL	id	moS
377	1313	MGB	Moenchengladbach	D	id + 2 tones	pt53
377	1051	OL	Luleå/Kallax	S	id	moS
377	1312	PA	Rovaniemi	FNL	id	moS
378	1313	D	Kauhava	FNL	id	moS
380	2344	KA	Tirana/Rinas	ALB	id	nr76
381	2328	AB	Akraberg	FAR	id	pt53
382	2359	GUL	Gulpen	HOL	id	pt53
384	0546	TY	Torsby/Fryklanda	S	id	mo76
385	0548	WL	Barrow/Walney Island	G	id	mo76
387	2145	JL	Kuopio	FNL	id	moS
391	0342	DDP	Dorado (vy nice, ed!)	PTR	id - continuous	agG
392	2330	RW	Berlin-Tege1	D	id	pt53
392	2042	RAN	Lappeenranta/Ranta	FIN	id	nr76
395	2045	KW	Kirkwall	G	id	nr76
398	1053	ESS	Kruunupyy/Esse	FNL	id	moS
398	2200	D	Unid	?	id	nr76

## EUNL1999

399	2054	NGY	New Galloway	G	id	nr76
399,5	0124	ONO	Oostende	BEL	id+tone	zeTC
400	2102	EN	Orebro	S	id	nr76
401	0126	BON	Unid	?	id 10 times = 1 min	zeTC
401,5	2340	BET	Rheine-Bentlage	D	id	pt53
402	1054	K	Kauhajoki	FNL	id	moS
404	2349	DA	Dalen/Torp	NOR	id	pt53
404	2346	NL	Nolsoe	NOR	id	pt53
406	1309	NV	Vilhelmina	S	id	moS
406,5	1341	BOT	Bottrop	D	id	pt53
408	1055	O	Seinäjäki	FNL	id	moS
409	2115	CZE	Czempin	POL	id	pt53
409	2046	Z	Pyhäsalmi	FNL	id	moS
411	2047	M	Kokkola/Kruunupyy	FNL	id	moS
413	2105	BOA	Bologna	I	id	pt53
414	2050	HD	Stokka/Hestad	NOR	id	moS
416	0128	POZ	Belgrade	YUG	id + 4 second tone	agG
416	2051	TOR	Rovaniemi/Toramo	FNL	id	moS
418	2036	INN	tent. Innsbruck	AUT	id	pt53
419	1302	HY	Vaasa	FNL	id	moS
421	0545	BL	Borlänge	S	id	mo76
421	2036	MF	Halmstad (ex HS)	S	id	mo76
421	1056	TRU	Trundon	S	id	moS
423	2038	FOR	Forlì	I	id	mo76
424	0052	RES	Reus	E	id	mo76
425	2125	WYP	Unid	?	id vy strong here at Bonn	pt53
425	1251	OU	Umeå	S	id	moS
429	0052	SSD	London/Stansted	G	id	mo76
431	0109	DPP	Morecambe	G	id - continuous	agG
432	0055	AKU	Ivalo	FNL	id	mo76
434	0008	THN	Thorn	HOL	id	pt53

## F I X E D

18,2	1544	VTX3	Ny Vishakapatnam	IND	vuv VTX VTX3 VTX3 AR	zeTC
1732	2028		unid	?	cw-mkr:+HXVH(3x)=NVKL(3x)	aleU
1745	2040	Z3E	unid German Navy	?	cw-wkg DHJ58 (1746), 5 lgs	aleU
1746	2040	DHJ58	unid German Navy	D	cw-wkg Z3E (on 1745 kHz)	aleU
2211,5	1902	FDE14	AF Contrexville	F	cw-vvv	aleU
2844	0000	?	Mossad	?	AM YHF + 5LG	abNL
3322	0139		Ny Ustinov	RUS	cw-channelmarker `R`	ti24
3339	2354		Ny St.Petersburg	RUS	cw-channelmarker `L`	ti24
3521	2107	67EOK	unid Spanish Military	E	usb aka:OK, wkg 67BGY 'GY'	aleU
3678,2	1907	FDC	AF Metz	F	cw-vvv	zeTC
3757	2040		Unid	?	cw-`the pip`	abNL
3768,5	2256	FDC	AF Metz	F	cw-vvv	ti24
3817	2247	FDG	AF Bordeaux	F	cw-vvv	zeTC
3837	0003	RMP	RUSNy Kaliningrad	KAL	cw-channelmarker `P`	ti24
3838	2002		Russian Air Defense	RUS	cw-BT?? etc	abNL
3866	0055		unid	?	cw-5ng,not as 0142 UTC	ti24
3866	0142		unid	?	cw-msg 5ng,handkeyed	ti24
4030	1810	M10	Unid	?	cw 555 661 35 etc //5025 k	abNL
4051	0815	RMP	RUSNy Kaliningrad	KAL	cw-channelmarker `P`	ti24
4079	1725	RMP	RUS Ny Kaliningrad	KAL	cw xw and msgs for REO	abNL
4270	2305		Numbers X21 (MOSSAD)	ISR	AM msg 5lg	ti24
4278	1705	FDE14	AF Contrexville	F	cw-vvv tape	abNL
4360	0149		Numbers X22 (MOSSAD)	ISR	AM `SYN2`	ti24
4455	2340	9BOG	Unid	?	cw OGYR DE 9BOG	abNL
4456	2335	4R9Z	Unid	?	cw w SP3X DE 4R9Z QSO? EGA9 DE 4R9Z QYD?	abNL
4463	2300		Mossad	ISR	AM EZI + 5LG	abNL
4463	2045		Numbers X24 (MOSSAD)	ISR	AM msg 5lg	ti24
4471	2309	?	Ticking station	?	cw irregular clicks	abNL
4471	2000		Unid (see also 4489 kHz)?	?	cw-Cyrillic 5LG. Each msg ends with = 699 K. Not // 4489	abNL
4485	1355	S17	Czech Lady	CZE	AM 555 313 05 92 92 05 05	abNL
4488	2222		Unid	?	cw Cyrillic single lts msgs	abNL
4489	2005		Unid (see also 4471 kHz)?	?	cw-Cyrillic 5LG. Each msg ends with=699K. Last 5LG starts with same 3 ltr	abNL
4560	2300		Mossad	ISR	AM YHF + 5LG	abNL

## EUNL1999

4560	2046		Numbers X25 (MOSSAD)	ISR AM msg 5lg	ti24
4595,5	2035	FDI8	AF Nice	F cw-de FDI8	abNL
4598	1540	FDI8	AF Nice	F cw VVV marker	abNL
4600	1840	unid	French:'Execute Itanic ? Omelette 7345692 Oscar 1800Z'	aLEU	
4612,5	2302	FDI8	AF Nice	F cw VVV de FDI8	ti24+abNL
4613	2008	FDI8	AF Nice	F cw-vvv	zeTC
4725	2022	EF	unid NATO Military	? w/MIKE PAPA, French Accent	aLEU
4725	2025	DP	unid NATO/Ital. Military?	usb-wkg BX, 2158z wkg ME	aLEU
4725	2226	BA	unid NATO/Ital. Military?	usb-wkg RU, BS	aLEU
4889	1612	DPQT	Unid	? cw M5RT DE DPQT QTC 58 20	abNL
4912,6	2309		unid	? cw-cont. 346 346	ti24
5008	2033	FDI8	AF Narbonne	F cw-vvv	zeTC
5025	1810	M10	Unid	? cw 555 661 35 423 //4030 k	abNL
5027	1355	S17	Czech Lady	CZE AM 555 313 05 92 92 05 05	abNL
5091	2036		Numbers X31 (MOSSAD)	ISR AM msg 5lg	ti24
5117	2001		unid,Intel's?	? cw-cont. 416 416 416 000	ti24
5132,5	1746		unid Russ. Air Force?	RUS cw-time mkr:=99?2T46?9?????	aLEU
5154	2037	RMP	RUSNY Kaliningrad	KAL cw-channelmarker `P`	ti24
5214,5	1843	FDG	AF Bordeaux	F cw-vvv	ti24
5230	2321		Numbers X33 (MOSSAD)	ISR AM `KPA2`	ti24
5334	2053	FDG	AF Bordeaux	F cw-vvv	zeTC
5342	0649	FDY	AF Orleans	F cw-vvv	ti24
5366	0635		unid,tactical?Intel?	? cw-cont. 044\53	ti24
5394	2050	YUCT	unid tactical	? cw	aLEU
5413	2041		unid,tactical?Intel?	? cw-msg 5ng [T=0]	ti24
5446,5	0045	FDC	AF Metz	F cw-vvv	zeTC
5447	0650	FDG	AF Bordeaux	F cw-vvv	ti24
5448	1434		Unid	? cw-`the pip`	abNL
5514	1743	OPCA	unid tactical	? cw	aLEU
5629	2046		Numbers X38 (MOSSAD)	ISR AM cont,`VLB2`	ti24
5663	1738		unid Russian	RUS usb-YL in R, bull of nrs	aLEU
5746	2204		Numbers LP 02 (MI6)	CYP usb-49894 = 6959,0\9251,0	ti24
5750	1721	ARIS	Greek CG HQ Pireaus	GRC usb-wkg LKRO	aLEU
5830	1630	M3	Unid	? cw 287/00 (R5) = = 000	abNL
5860,5	1700	FDE14	AF Contrexeville	F cw-vvv	ti24
6485	1945		Lincolnshire poacher?	CYP?USB numbers	ewAU
6555,5	1706	FDC	AF Metz	F cw VVV de FDC	abNL
6555,5	2322	FDC	AF Metz	F cw-vvv	ti24
6673	1231	VDE	unid	? cw-vvv ...,	ti24
6693	2050	I5K	unid NATO Trigraph	? usb-wkg unid	aLEU
6721,5	1640	FM	unid Italian Military	? usb-wkg GOLF LIMA	aLEU
6727	1657	DHJ59	Ny wilhelmshaven	D usb-wkg unid, id '59'	aLEU
6769	1133	SNN299	MFA Warszawa	POL cw-id in F1A-mode	ti24
6779	2246		unid	? cw-5lg russ,type,handkey	ti24
6779	1700	DHJ59	Ny wilhelmshaven	D usb-wkg ALPHA SIERRA	aLEU
6780	2216		Numbers E14 (CIA)	USA usb-msg 5ng	ti24
6782	1700	M12	Unid	? cw 749x3 000 (R5)	abNL
6809	2123		unid	? AM tones,(anybody ideas?)	ti24
6810,5	1630		unid	? cw-msg 5ng,0=T	ti24
6815	1547	ICI06	MRSC Bari	I usb-clg ICI03	aLEU
6820	1732		unid. Russ.Number Stn?	RUS vmm R: '482', QRM by Aero	aLEU
6824	1736		unid. Russ.Number Stn?	RUS am-OM R 2x5 fgs	aLEU
6832	1727		unid	? cw-msg 5ng	ti24
6840	1632		Numbers X48 (MOSSAD)	ISR AM `EZI2`	ti24
6844,5	1350	FDC	AF Metz	F cw-vvv	ti24
6852	1900	V5G	MFA Sofia	BUL cw-V5G GE FR ALL FM OP R69	aLEU
6880	1600	TAVOLA 4	unid Ital. Ny Vessel	IW usb-w/DORIA (=unid, base?)	aLEU
6880	1823	BRONCO	unid Ital. Ny	? usb-w/TAVOLA 6	aLEU
6891	2007		The Counting Stn/CIA?	USA usb-vmf E: 902 1234567890	aLEU
6897	1711	M21	Russian Air Defense	RUS cw BT99?? etc	abNL
6913	2030	C21	unid Spanish Military	? usb-w/_35, E/Sp mixed msg	aLEU
6959	2104		Numbers LP04 (MI6)	CYP usb-58925 =9251,0	ti24
6962	0515		Numbers RM02	RUS AM cont. 350 350 350 000	ti24
6966	1858	YMB20	Bandirma Meteo	TUR cw-vvv	aLEU
7335,5	1729	FDC	AF Metz	F cw-vvv	ti24
7375,5	1637	FDC	AF Metz	F cw-vvv	ti24
7472,5	0934	FDC	AF Metz	F cw-vvv	ti24
7484	1120	SNN299	MFA Warszawa	POL cw-id in F1A-mode	ti24

## EUNL1999

7585	1704		Numbers E25 (CIA)	USA	usb-507,count 154,5ng	ti24
7587	0821		unid	?	cw-5lg handkeyed	ti24
7668	0641	8BY	unid	?	cw-270\097\058\532\311	ti24
7834,5	1122	FDC	AF Metz	F	cw-vvv	ti24
7870	1735	LN2A	PTT Oslo	NOR	cw-id+synch+phasing	ti24
7917	1646	FDE14	AF Contrexeville	F	cw-vvv	ti24
7987	0643		unid	?	cw-msgs 5ng	ti24
8092	0615		unid	?	cw-msgs 5ng fast keyed	ti24
8124	2214		unid,Numbers,tactical	?	cw-cont,183 183 183 000	ti24
8173	1742		unid	?	cw-cont,749 749 749 1	ti24
8188	1205		unid Numbers!?	?	usb-QRG of o10,Voice of CIA	ti24
8900	1950		unid Arab	?	usb-dx telephone patches	aLEU
9130	1630	EZI	Mossad	ISR	AM EZI2	abNL
9186	1018	HEP9	Interpol Zurich	SUI	cw-vvv	ti24
9251	1917		Counting Station	?	USB	hb01
9251	2105		Numbers LP09 (MI6)	CYP	usb-58925 =6959,0	ti24
9360	1009	OXT	Meteo Kobenhavn	DNK	cw-cq de OXT in F1A-mode	ti24
10046	2135	4XZ	Ny Haifa	ISR	cw-vvv de 4XZ 4XZ = =	ti24
10144	1012	DKOWCY	DARC Suederbrarup	D	cw-AURORA-warning	ti24
10314	1005	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti24
10350	2022		Numbers EM 11 (GRU?)	RUS	AM OM,msg 5ng	ti24
10426	1404		Numbers LP10 (MI6)	CYP	usb 49894 =LP11,LP15	ti24
10426	1608		MI6/Licolnshire Poarcher?	?	usb-mm/vmf EE, id:77350	aLEU
10470,5	1802	FDC	AF Metz	F	cw-vvv	ti24
10527	2009		Numbers E 46 (CIA)	USA	usb-902,count 209,5ng	ti24
11000	1011	RIW	RUSNy Khiva	UZB	cw-clg de RIW RIW	ti24+zeTC
11000	1302		Numbers NA 05 (unid)	?	AM PETER EDWARD CHARLIE	ti24
11155	1715	RIT	Ny Vaygach	RUS	cw-clg RJP90	aLEU
11402	1430	TFA	Landssiminn Gufunes	ISL	am-Rikisutvarpid BC Relay	aLEU
11545	1504		Numbers LP11 (MI6)	CYP	usb 51315 =LP13,LP14	ewAU+ti24
12075	days	8BY	unid,Intel's?	?	cw-vvv 8BY 311\872\933\...	ti24
12215	1623		unid	?	A3B `melody` + pulses	ti24
12221	1322		unid,Numbers?	?	cw-cont 542 542 542 1	ti24
12603	1604		Numbers LP13 (MI6)	CYP	usb 82160 =LP11,LP14	hb01+ti24
13350	0840	ZKLF	Auckland Meteo	NZL	cw-wx reports,id	zeTC
13375	1600		Lincolnshir Poacher	CYP	USB id 65726	abNL
13375	1515		Numbers LP14 (MI6)	CYP	usb-msg 5ng = LP11	ti24
13391	1243		unid	?	cw-cont,637 637 637 1	ti24
13556	1439		Counting Station	?	AM in progress	abNL
13860	1430	TFA	Landssiminn Gufunes	ISL	am-Rikisutvarpid BC Relay	aLEU
13874	1723		Numbers E 62 (CIA)	USA	usb-count 154,5ng	ti24
14000	1403		Numbers NA07 (unid)	?	AM FRIEND YOUNG PETER	ti24
14440	1004		unid	?	cw-5lg,handkeyed	ti24
14487	1304		Numbers LP15 (MI6)	CYP	usb 38085	ti24
14739	1307		Numbers E64 (CIA)	USA	AM 964,count 215,5ng	ti24
14931	0957	8BY	unid	?	cw-vvv 8BY 146\311\476	ti24
15732	1239		Numbers E65 (CIA)	USA	usb-msg 5ng	ti24
15811	1022		unid	?	cw-keying music,into PSK	ti24
15980	1138		Numbers X86 (MOSSAD)	ISR	AM msg 5lg	ti24
16084	1305		Numbers LP17 (MI6)	CYP	usb 38085 =14487,0	ti24
16241	1141		unid	?	cw-endless V V handkeyed	ti24
16314	1405		Numbers LP18 (MI6)!!!!	CYP	usb-84327,new qrg????	ti24
16332	1519		Ny Arkhangelsk	RUS	cw-channelmarker `S`	ti24
17410	1332		Numbers X88 (MOSSAD)	ISR	AM cont, `EZI2`	ti24
18000	1102		Numbers NA09 (unid)	?	AM PETER EDWARD CHARLIE	ti24
18068	1114	IK6BAK	HAM Beacon	I	cw-id+web-address+dashes	ti24
18575	1332		Numbers B49 (BND)	D	AM WHISKY-LIMA,026-76,5ng	ti24
19715	0833		Numbers X91 (MOSSAD)	ISR	AM `EZI` GROUP 80,5lg	ti24
20048	1347	RCV	Ny Moscow	RUS	cw-channelmarker `C`	ti24
20048	1348		Ny Arkhangelsk	RUS	cw-channelmarker `S`	ti24
20240	1523		unid	?	cw-msg 5ng	ti24

## M A R I T I M E

438	2330	OXZ	Lyngby R.	DNK	cw-wx,wind-wng	ti24
1677	0035	EJM	Malin Head R.	IRL	usb,E,nav. warnings	pt53
1680	1845	LGL	Floroe R.	NOR	usb,E/norw.,nav. warning	pt53
1692	0148	SPC	Gdynia R.	POL	P bull, id	aLEU

## EUNL1999

1704	0109	OXZ	Lyngby R.	DNK	usb-nav-wng = 1734,0	a1EU+ti24
1713	2147	PCG	Scheveningen R	NLD	Dutch bull	a1EU
1728	1842	LGN	Bergen R.	NOR	usb,E/Norw.,nav. warning	pt53
1734	0140	OXB	Blaavand R.	DNK	E/D Lyngby R.'s n/w //1704	a1EU
1734	0138	OXZ	Lyngby R.	DNK	usb nav-wngs	ti24
1758	0150	OXB	Blaavand R.	DNK	D Lyngby R.'s n/w //1704	a1EU
1764	1836	EAF	Finisterre R.	E	usb,Sp./E nav. warning	pt53
1764	1937	GKR	Wick R.	G	usb,E,nav. warning	pt53
1785	1840	LGZ	Farsund R.	NOR	usb,E/Norw. nav. warn.	pt53
1869	1938	GKZ	Humber R.	G	Usb	hb01
1888	1854	IPD	Civitavecchia R	I	I nav/warn	a1EU
1888	0140	IAR	Rome R.	I	usb,I/E,wx	pt53
1890	2140	PBK	Netherlands CG	HOL	usb,E/Dutch wx	pt53
2182	1504		Tabarka R. (nice, ed)	TUN	E/F/A all ships	hb31
2182	1843	LGL	Floroe R.	NOR	usb,E/norw.,QSY 1680	pt53
2182	1841	LGN	Bergen R.	NOR	usb,E/norw.,QSY 1728	pt53
2182	1840	LGZ	Farsund R.	NOR	usb,E/norw. QSY 1785	mm35+pt53
2182	1705	7TA	Alger R.	ALG	usb,E/F,QSY 1792	pt53
2182	1837	LZW	Varna R.	BUL	usb,E,QSY 3740	pt53
2182	0135	OXZ	Lyngby R.	DNK	usb,E,QSY1734,1704,1758,258	pt53
2182	1828	EAS	Cabo Penas R.	E	usb,E/S ID,QSY 1677	pt53
2182	0034	EAO	Palma R.	E	usb,E/S QSY 1755	pt53
2182	2133	FFB	Bologne-sur-Mer R.	F	usb,F/E,QSY 1692,3795	pt53
2182	0142	ICB	Genova R.	I	AM QSY for wx	ti24
2182	0143	IQX	Trieste R.	I	AM QSY for wx	pt53+ti24
2182	1939	IAR	Rome R.	I	usb,E/I,QSY 1888	pt53
2182	1943	IDC	Cagliari R.	I	usb,E/I QSY 2680,2719	pt53
2182	1937	IDF	Messina + Augusta R.	I	usb,E/I QSY	pt53
2182	1945	IPB	Bari R. + Crotone	I	usb,E/I,QSY 2579,2663	pt53
2182	1945	IPP	Palermo R.	I	usb,I,tfc	pt53
2182	0034	EJM	Malin Head R.	IRL	usb,E,QSY 1677	pt53
2182	1733	LGZ	Farsund R.	NOR	usb,E/norw. QSY 1785	pt53
2182	0134	SPH	Gdynia R.	POL	usb,E/POL,ID,QSY 1692	pt53
2182	1933	YQI	Constanta R.	ROU	E,ID by YL,QSY 2748	pt53
2182	2135		UNID	?	usb,E,mv,QSY ?215	pt53
2255	1910		German Vessels	IW	chats,legal ship-ship	QRG? a1EU
2351	1915		German Vessels	IW	chats,legal ship-ship	QRG? a1EU
2357,5	1956	OVK	Ny Aarhus	DNK	cw-id NAWS de OVK...	ti24
2593	1739	OXZ	Lyngby R.	DNK	E,ID,clg. UNID	pt53
2657	2005		Radionaval Alges	POR	E/P wx	hb31
2680	0015	4XZ	Ny Haifa	ISR	cw VVV marker	abNL
2748	1933	YQI	Constanta R.	ROU	usb,E,fv,wx	pt53
2824	0010	PCG	Scheveningen R.	HOL	USB Voice mirror	ti24+abNL
2830	2134	SVK	Kerkyra R.	GRC	usb,gr./E,wx	pt53
3008	2020		German Ships	IW	usb-smalltalk: locations	ti24
3340	2023		Dutch Ships	IW	usb-smalltalk: Vacantie	ti24
4065	2236	TBO	Ny Izmir	TUR	cw TBJ DE T23C TBO	ti24+abNL
4268,5	1708	SAB23	Goteborg R.	S	SITOR-A 100 clg MQAQ	abNL
4274	2037	GKB2	Portishead R.	G	cw-de GKB2	abNL
4325	2306		Ny Ustinov	RUS	cw-channelmarker `R`	ti24
4350	2305	TBB5	Ny Ankara	TUR	cw VVV TBJ de TBB5	abNL
6317	2332	WLO	Mobile R.	USA	cw-wlo + SITOR	pt53
6330	0653	LZW34	Varna R.	BUL	cw	hb01
6330,5	0639	8PO	Barbados R.	BRB	cw/SIT	hb01
6346	2003	UVM	UNID	?	tfcUZA0,UWCL,UUEG,UZZA,UUCRpeNL	
6357	1956	SAA	Karlskrona R.	S	cw-channel marker	abNL+ewAU
6379	1958	4XZ	Ny Haifa	ISR	cw-channel marker	ewAU
6380	2000	RJFY	St. Petersburg R.	URS	cw-channel marker	ewAU
6382	2002	TBA	Ny Ankara	TUR	cw-channel marker	hb01+ewAU
6389	2008	CTP	Oeiras Naval R.	POR	cw-channel marker	hb01+ewAU
6390	2009	AQP4	Ny Karachi	PAK	cw-channel marker	ewAU
6460	2023	UFZ	Vladivostok R.	RUS	cw-/SITOR channel marker	ewAU
6467	0818	LF1	Rogaland R.	NOR	cw/SIT	hb01
6470	2027	SXA24	Ny Spata Attikis	GRC	cw-channel marker	ewAU
6475	1633	UBA	UNID	?	cw-tfc UHYG,UFPX,UGRF,UHUF	peNL
6482	0821	CLA	Habana R.	CUB	cw	hb01
6505,3	2043	ZRH3	Cape Naval R.	AFS	cw-ch mkr-seems off freq.	ewAU
6742,7	1654	EAD3/EDZ6	Madrid R	E	cw-de/qsx mkr, spurious ?	a1EU

## EUNL1999

6779	2335	DRAF	FGS MOELDERS	IW	usb DHJ59,msgs,qs1	ti24
8420,5	1207	HEC18	Bern R.	SUI	cw-HEC marker	abNL
8426	1211	EAD	Madrid R.	E	cw-EAD marker	abNL
8431,5	2309	ZSC	Capetown R.	AFS	cw-zsc + SITOR	pt53
8432	2310	WLO	Mobile R.	USA	cw-wlo + SITOR	pt53
8442	1955	TCR	Tophane R.	TUR	cw-cq mkr + tfc list at 2000	pcG
8445	1658	XSX	Keelung R.	TWN	cw-cq de XSX...	ti24
8450	1740	RUF9	Krasnodar R.	RUS	cw-long msg - news?	pcG
8451	1702	UBF2	St. Petersburg R.	RUS	cw-41t3 de ubf2` mkr	pcG
8454	1700	A9M	Bahrain R.	BHR	cw-de mkr	pcG
8458	2208	YQI	Constanta R.	ROU	cw-unid vessel	ti24
8469,5	2326	ZRH	Ny Capetown	AFS	cw-de zrh qsx	pt53
8471	2327	ZRQ	Ny Capetown	AFS	cw-vvv de zrq 2/3/4/5	pt53
8484	2123	HLF	Seoul R.	KOR	cw-cq de HLF...	ti24
8505	0850	TBO	Ny Izmir	TUR	cw-v mkr clg tbdj	pcG
8539	1945	VRX	Hong Kong R.	CHN	cw-cq mkr	pcG
8549	0845	UCE	Arkhangelsk R.	RUS	SITOR/A t1x mkr	pcG
8570	0930	RUA8	Petrozavodsk R.	RUS	cw-msgs	pt53
8571	0900	UFN	Novorossiisk R.	RUS	cw-cq de ufn	pt53
8574	1215	LGB	Rogaland R.	NOR	cw-LGB marker	abNL
8574	2214	CLA	Habana R.	CUB	cw-cq de ...	ti24
8577	1731	HLO	Seoul R.	KOR	cw-cq de HLO...	ti24
8598	1216	OXZ4	Lyngby R.	DNK	cw-Tfc list	abNL
8614	2019	URL	Sevastopol R.	UKR	cw-`de url` mkr	pcG
8622	1217	PCH41	Scheveningen R.	HOL	cw-DE PCH41	abNL
8665	2127	XSG	Shanghai R.	CHN	cw-cq de XSG...	ti24
8688,5	2056	ZSC6	Capetown R.	AFS	cw-cq qsy	pt53
8706	2128	JOS	Nagasaki R.	J	cw-id vvv de JOS JOS JOS..	ti24
8740	1719	ZSD38	Durban R.	AFS	usb,mv E,ID,tfc-list,wx-fc	pt53
8740	1757	OXZ	Lyngby R.	DNK	usb,E,wkg. Vessel UBEI	pt53
8740	1832		tent. Petromin Constanta	ROU	usb,E,ID as Constanta R.	pt53
10192,5	1247	DRAK	FGS Meck.-Vorpommern	INT	USB w/DHJ59 Radio checks	abNL
10192,5	1540	DRAF	FGS MOELDERS	IW	usb DHJ59,msgs,qs1	ti24
10722	0747	DRHH	FGS OSTE	IW	usb DHJ59,msgs,qs1	ti24
10722	0955		unid FGS	IW	usb DHJ59,msgs,qs1	ti24
12590	1138	EAD	Madrid R.	E	cw-EAD marker	abNL
12597,5	1136	UFN	Novorossiysk R.	RUS	cw-UFN marker	abNL
12598	1136	SPA62	Gdynia R.	POL	cw-SPA marker	abNL
12654	2038	TAH	Istanbul R.	TUR	cw/SIT	hb01
12682,5	1204	PKE	Amboina R.	INS	cw-short cq mkr	pcG
12738	2238	PPR	Rio de Janeiro R.	B	cw-id vvv de PPR PPR ...	ti24
12748	1122	IRM8	CIRM Roma	I	cw-vvv de IRM	abNL
12780	1854	D3E	Luanda R.	AGL	cw-cq de D3E...	ti24
12801	1158	TAH	Istanbul R.	TUR	cw-de TAH QSX	abNL
12817,5	0825	RUA8	Petrozavodsk R.	RUS	cw-ufva de rua 8 k	pt53
12823,5	1118	CTP	NATO Oeiras	POR	cw-de CTP QSX	abNL
12831	1608		Mauritius R.	MAU	cw-cq	hb31
12887,5	1112	EAD44	Madrid R.	E	cw-de EAD44	abNL
12928	0613	SPA	Gdynia R.	POL	cw	hb01
12939	1108	SPH63	Gdynia R.	POL	cw-Tfc list	abNL
12965	1102	USO5	Izmail R.	UKR	cw-Tfc list	abNL
12966,8	1313	A7D	Doha R.	QAT	cw-de a7d	pt53
12967	1058	UJE	Nizhnij-Novgorod R.	RUS	cw-w/unid vessel	abNL
12969	1057	XSV	Tianjin R.	CHN	cw-cq de XSV	pt53+abNL
12970	0922	SUH	Alexandria R.	EGY	cw-cq mkr	pcG
12970,6	1220	PKX	Jakarta R.	INS	cw-cq qru	pt53
12988,5	2243	LPD	General Pacheco R.	ARG	cw-vvv de ...	ti24
13015,5	1050	IAR	Roma R.	I	cw-vvv de IAR	abNL
13024,5	0628	ASK	Karachi R.	PAK	cw	hb01
13055	1647	UTQ7	Kiev R.	UKR	cw CQ de UTQ7	abNL
13119	1805	TFA	Reykjavik R.	ISL	usb-tfc list	aLEU
14654,5	1450	SPW	Warsaw R.	POL	cw-`de spw qsx 12572` mkr	pcG
16807,5	1357	GKE6	Portishead R.	G	cw/sitor	hb01
16809,5	1355	EAD	Madrid R.	E	cw/sitor	abNL+hb01
16811,5	1354	A9M	Hamala R.	BHR	cw/sitor	pt53+hb01
16813	1351	UAT	Moscow R.	RUS	cw/sitor	hb01
16820	1349	IAR	Roma R.	I	cw/sitor	hb01
16821,5	1348	OXZ	Lyngby R.	DNK	cw/sitor	hb01

## EUNL1999

16826,5	1346	PCH65	Scheveningen R.	HOL	cw/sitor	hb01
16828	1948	WLO	Mobile R.	USA	cw/SIT	hb01
16830,5	1344	SVT	Athens R.	GRC	cw	hb01
16839,5	1341	UFN	Novorossiysk R.	RUS	Sitor	hb01
16841,5	1352	8PO	Barbados R.	BRB	cw-sitor-id	ti24
16868	1353	9VG	Singapore R.	SNG	cw-sitor-id	ti24
16879,1	1100	LZW	Varna R.	BUL	cw	hb01
16886	1055	TAH	Istanbul R.	TUR	cw/sitor	hb01
16898,5	1041	UAT	Moscow R.	RUS	cw/sitor	hb01
16926	1037	LFI	Rogaland R.	NOR	cw/sitor	hb01
16935	1029	A7D	Doha R.	QAT	cw	hb01
16940	1025	XSW	Kao-Hsiung R.	TWN	cw	hb01
16980	1011	UGW	Novorissiysk R.	RUS	cw	hb01
16987	0940	VRX	Victoria Harbour R.	CHN	cw	hb01
17021,5	0934	TAH	Istanbul R.	TUR	cw	hb01
17024	0933	SAB83	Goeteborg R.	S	Sitor	hb01
17050	0929	4XZ	Ny Haifa	ISR	cw	hb01
17053	1019	XSX	Keelung R.	TWN	cw-cq mkr	pcG
17066,5	1205	A9M	Bahrain R.	BHR	SITOR/A msg to c6hz4	pcG
17074	1938	LGX	Rogaland R.	NOR	cw	hb01
17091	1147	XSQ	Guangzhou R.	CHN	cw-cq mkr	pcG
17103,2	0922	XSG	Shanghai R.	CHN	cw	hb01
17113	0918	GKB6	Portishead R.	G	cw	hb01
17175,2	0857	A9M	Hamala R.	BHR	cw	hb01
17184,8	1214	PKE	Ambon R.	INS	cw-cq qru	pt53
17198,9	0850	PCH60	Scheveningen R.	HOL	cw	hb01
17239,7	1223	PKX	Jakarta R.	INS	cw-cq	pt53
17239,7	1420	PKX	Jakarta R.	INS	cw	hb01
19685,5	1200	WLO	Mobile R.	USA	cw-sitor-id	ti24
22384,5	1148	SVV	Athens R.	GRC	cw-de SVV	abNL
22387,5	1153	SVV	Athens R.	GRC	cw-de SVV	abNL
22592,5	0951	9AM	Bahrain R.	BHR	cw	hb01
22603,5	0942	PPR	Rio de Janeiro R.	B	cw	hb01
22610,5	1642	CLA50	Havana R.	CUB	cw marker	abNL

## A E R O (Ground stations)

2682	1634	ALENKI	Koltsovo Air	RUS	usb-wkg KAYOMKA	aLEU
2941	2019		Moscow Volmet	RUS	usb-wx-info	ti24
4540	0622	Architect	RAF Upavon	G	usb-wx for Nordholz!!!	ti24
4645	1940		Tallinn Volmet	EST	USB	abNL
4712	2030		Rostov Radio 'Air'	RUS	wkg Kiev Radio	aLEU
4712	1817		Cheljabinsk Radio	RUS	wkg Volgograd Radio	aLEU
4712	1815		Volgograd Radio	RUS	wkg Rostov Radio	aLEU
4712	1817		Novosibirsk Radio	RUS	wkg Cheljabinsk Radio	aLEU
4712	2055		Kazan Radio	RUS	clg unid	aLEU
4712	2055		Kiev Radio	UKR	wkg Rostov Radio	aLEU
4712	1647		Mineralny Vody Radio	RUS	wkg Rostov Radio	aLEU
4721	2024	IDR	Ny Rome, I	I	wkg 1E, coord.fr RTTY	aLEU
4724	1926	AJE	USAF Croughton AFB	G	ann to SKYKING	aLEU
4731	1708	MKL	RAF Kinloss	G	cw wx	abNL
4742	1820		Architect	G	USB w/Rescue 11. R. check	abNL
4755	2034	ALENKI	Koltsovo Air	RUS	wkg BRATSKA (=Chelyabinsk)	aLEU
5450	2043	MVU	RAF Upavon Volmet	G	usb-wx for Keflavik	ti24
5450	1435	MVU	RAF W.Drayton Volmet	G	USB	abNL
5505	2044		Shannon Volmet	IRL	usb-id,wx for sta,Maria	ti24
5505	1435		Shannon Volmet	IRL	USB	ewAU+abNL
5517	0210		Sana'a Air	YEM	clg VAN 201 (who's VAN?)	aLEU
5517	2155	60M	Mogadishu Information	SOM	wkg Nairobi, Addis Ababa	aLEU
5517	2359		Tripolis Aero	LBY	usb,E ,wkg Air France 3865	pt53
5535	1452		Speedbird London LDOC	G	wkg Saudia 006	aLEU
5562	0225		unid Aero, S'America ?	???	Spanish Aero tfc, listed??	aLEU
5601	1719	AWB	Bombay Air	IND	wkg unid a/c	aLEU
5670	1736	AWB	Bombay Air	IND	wkg unid a/c	aLEU
5680	1644		RAF Kinloss	G	usb RESCUE 159	ti24
5680	1238		Glucksburg Rescue	D	usb,ee,r/chck with DRFLmm35+agG	
5680	1339		Karup Rescue	DNK	usb,ee, r/chck w/Kinloss	agG
5680	1412		Sweden Air Rescue	S	usb,sw,wkg Tallin Rescue	agG



## EUNL1999

5680	2247		Churchill Radio	CAN	usb,ee,r/chck St.Anthony R.	agG
5680	1226		Swansea Coastguard	G	usb,ee,wx for Rescue 193	agG
5680	1226	DRFL	FGS	D	usb,ee,wkg Glucksburg Resc	agG
5680		DRAE	FGS Leutjens	D	usb,ee,r/chck Glucksburg R.	agG
5685	1944	MARTIN	IAF Martina Franca	I	wkg Mission 11-46	alEU
5685	1950	SA1	unid Italian (AF?)		wkg SERBOSO ? (=unid)	alEU
5685	1125	MKH5	RAF Domine ATCC Cranwell	G	usb-wkg CWL85	alEU
5685	1251	BT9P	RAF Domine Ops Cranwell	G	Volmet to 'CWL Combine'	alEU
5685	1517	MKA	RAF London	G	usb,E,id,tfc	pt53
5687	1241	DHM91	AF Münster	D	usb,E,D,wkg Airforce 496	pt53
6577	0035	KEA5	New York Air	USA	wkg Britannia 087B	alEU
6604	2058		Gander Volmet	CAN	usb-ending,id,OUT	ti24
6676	2116		Karachi Volmet	PAK	usb,E,Volmet	pt53
6693	1738		Koltsovo Meteo	RUS	usb-R YL Volmet	alEU
6697	2145	MKL	RAF, Northwood ?	G	usb-w/unid trigraph	alEU
6706	0045	CHR	CF Trenton Military	CAN	w/unid a/c, QSY fm 90031	alEU
6728	1020	DHN66	GAF/NATO Geilenkirchen	D	w/MAGIC68,pp Magic Command	alEU
6730	2101		Tbilisi Volmet	GEO	usb-very weak signal	ti24
6748	1050	BT9P	RAF Domine Ops Cranwell	G	Volmet	alEU
6754	2332	VXA	CF Edmonton Military	CAN	Volmet	alEU
6760	1623		Kinloss Rescue	G	usb,ee,wkg Rescue 193	agG
6760	1624		Kinloss Rescue	G	usb,ee,wkg Rescue 12	agG
6820	1634	KAYOMK	Sykyvkar Air	RUS	usb-wkg ALENKI	alEU
6820	1734	RADAN	St.Petersburg Air	RUS	usb-wkg MINERALY ?	alEU
8190	1415	ARCHITECT	RAF Upavon	G	usb unid,posrep	ti24
8861	2017	D4B	Sal Air	CPV	wkg Air Afrique 541	alEU
8864	2117		Gander Aero	CAN	USB clg unid a/c	ewAU
8879	2105		Bombay Air Control	IND	USB clg Air India Flt	ewAU
8879	2108		Dar Es Salaam Control	TZA	USB clg Egyptair flight	ewAU
8879	2115		Jeddah Control	ARS	USB clg unid aircraft	ewAU
8891	1930		Baffin Aero	CAN	usb,E,wkg UNID a/c	pt53
8891	1943		Iceland Aero	ICL	usb,E,wkg United 953	pt53
8892	1224		Shanwick Aero	G	USB w/various aircraft	abNL
8894	1858		Algier Aero	ALG	usb,E,wkg Iberia 3721	pt53
8903	1536		Naha Aero	J	E wkg 836	hb31
8909	1524		Hyderabad Aero	IND	E clg 122	hb31
8924	2328		Piarco Ops LDOC	TRD	wkg unid	alEU
8930	1423	SDJ	LDOC Stockholm R.	S	USB w/unid aircraft	abNL
8948	1314		New Delhi Aero	IND	E clg Nagpur	hb31
8948	1314		Nagpur Aero	IND	E wkg Delhi	hb31
8957	1420		Shannon Volmet	IRL	USB	ewAU+abNL
8965	1340	DHM91	GAF Munster	D	w/GAF 167	alEU
8980	1400	GFF	RAF Kinloss Rescue	G	w/SAREX 13, exercice-msgs	alEU
8992	1500		unid Russian, Aero??	?RUS	YL/OMS, official styled	alEU
9003	1803	ALIA	Jordanian Amman LDOC	JOR	w/Jordanian 085	pt53+alEU
9007	0040	CHR	CF Trenton Military	CAN	w/unid a/c, s/c AG-KP	alEU
11175	1115	AJE	USAF Croughton	G	usb-EAM for 7CPGND,30Char	ti24
11205	1300	ARCHITECT	RAF Upavon	G	USB Celebrity broadcast	abNL
11212	1205	MKL	RAF, Northwood?	G	cw-volmet	alEU
11220	1130	AFA3	USAF Andrews AFB, MD	USA	w/Trout 99, req QSY F646	alEU
11244	2345	AJO	USAF Incirlik	TUR	usb EAM for unid	ti24
11253	1303		RAF Volmet	G	USB	abNL
11285	1655		Chennai Air	IND	w/Saudia 881	pt53+alEU
11285	1705		Kuala Lumpur Air	MLA	w/Singapore 428, s/c HL-ES	alEU
11297	1254		Kiev Volmet	UKR	usb-wx-info	abNL+ti24
11297	1255		Rostov Volmet	RUS	usb-id,wx Krasnojarsk	abNL+ti24
11297	1535		St.Petersburg Meteo	RUS	USB Volmet	abNL
11309	1520		Santa Maria Aero	AZR	USB w/KLM 783 selcall AHGP	abNL
11318	1503		Sykyvkar Meteo	RUS	USB Volmet	abNL
11336	1540		Gander Aero	CAN	USB w/Continental Airlines	abNL
11345	1523	SDJ	LDOC Stockholm Radio	S	usb,E,wkg Condor UB	pt53
11354	1743	Falcon	Falcon Bahrain	BHR	usb,E,wkg Ascot 1197	pt53
11354	1050		'Privoy' (?) Radio	UKR?	OMS, Russ aero-styled msgs	alEU
11362	1128		unid Russian, Aero?	RUS	vy often active	alEU
11387	1315		Sydney Volmet	AUS	usb,E,Volmet	pt53
12190	1218		Stockholm Radio LDOC	S	w/Air France 1427	alEU
13282	1315		Hongkong Volmet	CHN	usb,E,Volmet	pt53
13291	1536		Gander Aero	CAN	usb,E,wkg Lufthansa	pt53

## EUNL1999

13291	1537	Shanwick Aero	G	usb,E,wkg Lima 61	pt53
13306	1130	LDOC ELAl Tel Aviv	ISR	w/unid a/c	alEU
13339	1601	UNID	?	usb,Sp.,clg UNID 002	pt53
17916	1306	SDJ LDOC Stockholm Radio	S	USB w/unid ac	abNL

## A E R O (aircrafts)

4718	1844	Rescue 193	G	usb,ee,wkg Kinloss Rescue	agG
4718	1850	Rescue 13	G	usb,ee,wkg Kinloss Rescue	agG
5290	1840	TTA 201 TTA - Mocambique	AIR	w/Stockh.,pp in R to Comp.	alEU
5517	0045	HLA 638 Heavylift Cargo Airl.	AIR	w/Khartoum	alEU
5517	2355	VRE 2443 Volare Aviation (Ukr.)	AIR	w/Khartoum	alEU
5517	0220	DSR 4160 Das Air Cargo (Uganda)	AIR	w/Addis	alEU
5517	0225	MKA 102 MK Airlines (Ghana)	AIR	w/Khartoum	alEU
5532	0120	OK-DGN CSA	AIR	w/Praha, B737	alEU
5598	0135	SLR 1880 Sobelair (Belgium)	AIR	w/NY	alEU
5616	1932	Reach 12PP unid USAF Flight	AIR	w/Shanwick	alEU
5649	2005	ADB 4045 Antonov Design Bureau	AIR	w/Gander, ADB=Ukraine	alEU
5658	2130	9M-MPB Malaysian 2	AIR	w/Bombay, s/c MQ-AE, B747	alEU
5658	2140	I-IMLK unid Operator ??	AIR	w/Bombay, s/c PS-AB	alEU
5680	1510	LN-OMX (helo?)	NOR	usb,nn/ee wkg Longyear R.	agG
5680	1645	RESC-122 RAF Flight	AIR	usb-clg Kinloss,posrep	ti24
5687	1440	50+57 unid GAF Flight of ???	AIR	w/DHM91, pp to LTK	alEU
5687	1225	GAF 770 unid GAF Flight of ???	AIR	w/DHM91, s/c CK-AL	alEU
5687	1230	JGZ 62 unid GAF/SFOR Flight	AIR	w/DHM91, LDZA to Sarajevo	alEU
6715	1505	JGL 76 Span.AF/SFOR Flight	AIR	w/CHORTA/CHOTTA (unid) ??	alEU
8825	1730	Caleb 48 unid Company	AIR	w/Santa Maria	alEU
8855	0153	Reach JHL3 OPed by Air Tr.Int/ATN	AIR	w/Santiago,FJ-BM N21CX	alEU
8861	0130	SOE 101 unid Company	AIR	w/Canarias, ->Agadiz, An26	alEU
8861	0132	Ascot 3201 RAF Flight	AIR	wkg Dakar	alEU
8879	1815	NVR 972 Novair 'Navigator', S	AIR	w/Bombay, s/c AB-CM	alEU
8891	0000	Reach 0456 unid USAF Flight	AIR	w/Iceland	alEU
8894	0055	D2-TEA TAAG Angola Airlines	AIR	w/Niamey, B747	alEU
8906	0030	I-LUBI Alba Servizi Transporti	AIR	w/NY, s/c EM-HQ,Gulfstr-IV	alEU
8906	0045	G-DMCA 'Monarch' Airl./MON 112	AIR	w/NY, s/c CL-DF	alEU
8906	1745	VP-CBX a/c of Rolls-Royce	AIR	w/Shanwick, Gulfstr v a/c	alEU
8906	1655	N102FM unid Operator ???	AIR	w/Shanwick, s/c CS-KP	alEU
8906	1723	N944AD unid Operator ???	AIR	w/Shanwick, s/c CF-EP	alEU
8906	1800	N1955M unid Operator ???	AIR	w/Shanwick, s/c MR-DP	alEU
8906	1750	LXR 3471 Air Luxor (Portugal)	AIR	w/Gander	alEU
8906	1700	Reach Z2 unid USAF Flight	AIR	w/Shanwick	alEU
8906	1737	Reach 201P unid USAF Flight	AIR	w/Santa Maria	alEU
8906	1705	Ascot 5821 unid Brit. RAF Flight	AIR	w/Shanwick, s/c AJ-GM	alEU
8930	1535	N507MC Atlas Air 'Giant' 506	AIR	w/Stockholm, s/c DK-FG	alEU
8930	1625	JGI 46 RDAF/SFOR Flight	AIR	w/St., pp in Dutch	alEU
8930	1723	Netherlds Air Force 50	AIR	w/St., pp to whitehall?	alEU
8930	1750	N528MC unid operator ???	AIR	w/Stockholm, s/c MR-ES	alEU
8930	1815	Reach XF5 OP by Polar Air Cargo	AIR	w/S,HK-LM,Ramstein->Kuwait	alEU
8930	2050	Giant 508 Atlas Air/GTI (USA)	AIR	w/Stockholm	alEU
8930	1405	AP-BAT Pakistan Int'l Airl.	AIR	clg Karachi Communication	alEU
8930	1410	OH-FPC Lillbacka Jetair/FPC	AIR	w/Stock., Falcon 20F a/c	alEU
8930	1417	F-WWFZ Airbus Delivery, tent.	AIR	w/Stockholm, s/c BD-GJ	alEU
8930	1425	CIN 2012 Constellation Int'l A.	AIR	w/St., s/c HS-CE, 00-COH	alEU
8992	1718	Reach 7007 unid USAF Flight	AIR	w/Croughton, to ETAR	alEU
9022	1407	Rescue 12	G	usb,ee,wkg Kinloss in SAR	agG
9022	1408	Rescue 193	G	usb,ee,wkg Kinloss in SAR	agG
10206	1120	POT 9231 POLET (Russia)	AIR	w/Stockholm, pp Ops Cyprus	alEU
10315	1034	MAGIC-67 NATO AWACS	AIR	usb DHN66,wx	ti24
10315	1345	MAGIC-52 NATO AWACS	AIR	usb DHN66	ti24
10315	1354	MAGIC-52 NATO AWACS	AIR	usb-clg J4P,no response	ti24
11175	1117	JAGUAR11 USAF Flight	AIR	usb-clg Thule,posrep	ti24
11175	0045	Reach G3 unid USAF flight	AIR	w/Ascension, to Mildenhall	alEU
11175	0049	Reach 5104 unid USAF flight	AIR	w/Ascension, pp Hilda East	alEU
11175	1340	Reach V9 unid USAF flight	AIR	w/Croughton, pp Sign.Metro	alEU
11247	1210	JGN 84 unid RAF/SFOR Flight	AIR	w/Architect, s/c AK-DJ	alEU
11247	1138	ASCOT 4390 unid RAF Flight	AIR	w/Architect, s/c AK-DM	alEU
11300	1505	EGY 1117 Egypt Air Force Flight	AIR	w/Cairo,C-130 Madrid-Cairo	alEU
11300	1549	TR-LDB Air Affaires Gabon	AIR	w/Tripoli, BAe 125-800B	alEU

## EUNL1999

11309	1545	N309FX	unid Operator ???	AIR w/Santa Maria	aLEU
11345	1935	EC-GRX	Futura Int'l Airw./FUA	AIR w/Stockholm	aLEU
11345	1730	N714AW	Ryan 313/RYN	AIR w/Stockholm,s/c RS-EF,A320	aLEU
11345	1617	N356PA	unid Operator ???	AIR w/Stockholm	aLEU
11345	1130	VP-CRY	unid Operator ???	AIR w/Stockholm, s/c QS-FP	aLEU
11345	1620	D-AVZM	unid Operator ???	AIR w/Stockholm, s/c AC-HK	aLEU
11345	1155	D-ACKL	Lufthansa CityLine/CLH	AIR w/Stockholm,pp Ops Cologne	aLEU
11345	1625	EC-FLF	Viva Air/VIV	AIR w/Stockholm, pp Ops Palma	aLEU
12201	1115	PH-AHI	Air Holland 'HI'/AHR	AIR w/Stockholm, B757	aLEU
12201	1530	OO-VEC	Virgen Express 973/VEX	AIR w/Stockholm	aLEU
13342	1538	Reach 15	operated by Emery/EWW	AIR w/St., s/c BJ-AM N8091U	aLEU
13342	0955	F-BTDD	Aerolyon/AEY 966	AIR w/Stockholm, s/c EL-AF	aLEU
13342	1050	N117WA	World Airways 117/WOA	AIR w/Stockholm, s/c CM-BD	aLEU
14645	1135	D-ABUA	Condor/CFG	AIR w/Stockholm	aLEU

## D I G I T A L

111,3	0015	SOA211	Warsaw Meteo	POL RTTY 50 Synop wx	zeTC
147,3	0720	DDH47	Meteo Quickborn	D RTTY 50 wx northsea	ti24
2203	1901	MGJ	Ny Faslane	G R75/425: CARB ti24+abNL	aLEU
2387	2231		unid	? ARQ-E 96 idle	ti24
2423,5	0017	SAB	Goteborg Radio	S ARQ 100 clg ERXV	abNL
2474	2043	PBC	Ny Noordwijk	HOL RTTY 75 CARB	ti24
2515	0130	TBA	Ny Ankara [T12A]	TUR RTTY 75 msg 5lg	ti24
2608	2345	FUO	Ny Toulon	F RTTY 75 RY-SG-TESTING	ti24
2697	2236		unid	? ARQ-E 72 idle	ti24
2789	2347	FUE	Ny Brest	F RTTY 75 RY-SG-TESTING	ti24
2806	2349	IGJ	Ny Augusta	I RTTY 100 CARB	ti24
2815	0246	IDR	Ny Roma	I RTTY 75 CARB	ti24
2829,5	0005	SPB28	Szczecin Radio	POL ARQ 100 Idling	abNL
2829,5	2017	SPB28	Szczecin R.	POL SITOR-A wkg unid,ending	ti24
2842	0610	(RFFEDF)	FF Metz	F ARQ-E 72 idle	ti24
2845	0134	PBB	Ny Den Helder	HOL RTTY 75 CARB	ti24
2845	0000	PBB	Ny Den Helder	HOL RTTY 75 CARB	abNL
3172,5	2149	IMB1	Rome Meteo	I RTTY 50 AAXX reports	zeTC
3288,5	2246		unid	? ARQ-E 86 encr,tfc	ti24
3324	0615		unid	? ARQ-E 72 idle	ti24
3360	2240	RPN71	Kiev Meteo	UKR FAX 120/576 wx chart	zeTC+abNL
3599	1946		unid	? ARQ-E 72 cont,idle	ti24
3652	2131	GYA	Ny London	G FAX 120/576 general meteo	zeTC
3745	1945	HZN	Jeddah Meteo	ARS RTTTY 100 AAXX Synop wx	zeTC
3764,4	2250	PBB	Ny Den Helder	HOL RTTY 75 CARB	ti24
3800,1	1840		unid	? R50/175/R: cont RY's,no ID	aLEU
3815,5	2359	FDI8	AF Nice	F RTTY 50 Voyez le brick	abNL
3859	2257		unid	? ARQ-E 86 encr.tfc	ti24
3977,5	2357	FDI8	AF Nice	F RTTY 50 Voyez le brick	abNL
3996	1716	FDI8	AF Nice	F RTTY 50 Voyez le brick	abNL
4002	2156	YRR2	Bucharest Meteo	ROU RTTY 50 weather ti24+zeTC	abNL
4023,5	0257	3BZ	Aero Plaisance AFTN	MAU ARQ-E 72 idle	ti24
4031	2038		unid	? ARQ-E 72 idle	ti24
4035	0111		unid	? ARQ-E 72 idle,opchat	ti24
4036	1415		unid	? RTTY 50 RY,no id,tx off!	ti24
4042,7	2239	FDI8	AF Nice	F RTTY 50 Voyez le brickzeTC	abNL
4050	2250	FDI8	AF Nice	F RTTY 50 Test tape	abNL
4051	2233	FDI8	AF Nice	F RTTY 50 Voyez le brick	abNL
4214	2310	IDR2	Ny Rome	I RTTY 75 CARB	ti24+abNL
4227	0300	IGJ	Ny Augusta	I RTTY 100 CARB	abNL+ti24
4232	0101	FUF	FNy Fort de France	MRT RTTY 75 RY-SG,TESTING	ti24
4268,6	2303	SAB23	Gothenborg R.	S SITOR-B swed,pres	ti24
4279,5	2308		Unid	? RTTY 100 Online encr. msgs	abNL
4280	2039	PBC	Ny Noordwijk	HOL RTTY 75 CARB	ti24
4295	0302	FUE	Ny Brest	F RTTY 75 RY-SG-TESTING	abNL+ti24
4322,1	0110	MGJ	Ny Faslane	G RTTY 75 CARB	abNL
4336	0010	OLB	Meteo Praha	CZR RTTY 50 TAF-wx	ti24
4365	2215	RPJ78	Tashkent Meteo	UZB FAX 90/576 radar reports	zeTC
4438	0303		unid	? ARQ-E 72 idle	ti24
4464	2300	C7GC	Czech Border Patrol	CZE RTTY 50 changed freq from 4512	

to 4465. Tests conducted from 2300-2350 on 4464/4465 USB/LSB. Endless RY's +

## EUNL1999

test run of the new c/s series: C7GC, VG6Q, NJW5, DPF2			abNL
4464,5 1845 DPF2	Czech Border Guards	CZE RTTY 50 DPF2 RYRYRY	abNL
4464,5 1915 CTGC	Czech Border Guards	CZE RTTY 50 C7GC RYRYRY	abNL
4464,5 2015 VG6Q	Czech Border Guards	CZE RTTY 50 VG6Q RYRYRY	abNL
4464,5 2200 NJW5	Czech Border Guards	CZE RTTY 50 NJW5 RYRYRY	abNL
4512 2345 XW6T	Czech Border Patrol	CZE RTTY 50 RY + c/s	abNL
4512 0047 V8GM	Czech Border Patrol	CZE RTTY 50 RY + c/s	abNL
4512 0115 TS4X	Czech Border Patrol	CZE RTTY 50 RY + c/s	abNL
4512 1515 PV3Z	Czech Border Patrol	CZE RTTY 50 RY + c/s	abNL
4524,5 2035 SUU	Cairo Meteo	EGY FAX 120/576 (LSB) air anal.	zeTC
4571 1649 HZN46	Jeddah Meteo	ARS RTTY 100 weather	abNL
4583 2143 DDK2	Hamburg Meteo	D RTTY 50 test tape	abNL
4595 2312 FDY	AF Orleans	F RTTY 50 VOYEZ LE BRICK...	ti24
4602 1530 OA	Ny Dublin	IRL ARQ 100 routine msgs	abNL
4765,2 0015 RFFA	FF Paris	F ARQ-M2 200 flight-info	ti24
4783 1838	unid	? ARQ-E 86 idle	ti24
4799 0622	unid	? ARQ-E 72 idle	ti24
4836 2318	unid	? ARQ-E 86 idle	ti24
4972 1423	unid,D-MoI?	? ARQ-E 96 cont,idle	ti24
5038 1840 FDY	AF Orleans	F RTTY 50 VOYEZ LE BRICK...	ti24
5097 0018 CFH	Ny Halifax	CAN RTTY 75 id,ZKR-tape	ti24
5100 2240 BDF	Shanghai Meteo	CHN FAX 120/576 met charts Pac.	zeTC
5100 1431 AXM32	Melbourne/Canberra Met.	AUS FAX 120/576 MSL analysis	zeTC
5285 1936 RBX71	Tashkent Meteo	UZB FAX 90/576 wx forecast	zeTC
5376,5 2005 OST23	Oostende R.	BEL SITOR-B wkg tfc-list	ti24
5400 1702 YOG37	Meteo Bucuresti	ROU RTTY 50 TTAA-reports	ti24
5405 1946 JMJ2	Tokyo Meteo	J FAX 120/576 wind pacific	zeTC
5755 1949 AXI32	Darwin Meteo	AUS FAX 120/576 wx forecast AUS	zeTC
5827 2059	unid	? RTTY 50 encr,tfc	ti24
5831 1638	MFA Tunis	TUN RTTY 50 various msgs	abNL
5857,5 2153 HLL8	Seoul Meteo	KOR FAX 120/576 surface analy.	zeTC
5865 0755	unid	? ARQ-E3 192 idle	ti24
5887,5 0048 IMB32	Meteo Roma	I RTTY 50 AAXX-reports	ti24
5887,5 2006 IMB2	Rome Meteo	I RTTY 50 Synop reports	zeTC
5890 2140 RBV78	Tashkent Meteo	UZB FAX 120/576 tropos. analy.	zeTC
6314,5 1224 SAB	Gothenborg R.	S SITOR-A clg\wkg TPF	ti24
6333,5 0308 IGJ	Ny Augusta	I RTTY 100 CARB	hb01+ti24
6348 0704 HWN	Ny Paris	F RTTY	hb01
6358,5 0713 PBC36	Ny Goeree	POL RTTY	ti24+hb01
6365,5 0733	Unid	? RTTY	hb01
6390,3 0759 IDQ3	Ny Roma	I RTTY	hb01
6397 0156 NAA	USN Cutler,ME	USA RTTY 75 KAWN,tent..AAXX	ti24
6434,4 0804 GYA	DCN London	G RTTY	hb01
6452 2135 GYA	Ny London	G FAX 120/576 general meteo	zeTC
6454,6 0809	Unid TELEPRINTER	? RTTY	hb01
6458 0811	Unid TELEPRINTER	? RTTY	hb01
6462,1 0813	Unid TELEPRINTER	? RTTY	hb01
6474 0820	Unid	? RTTY	hb01
6483 2319 PBB	Ny Den Helder	HOL RTTY 75 CARB	ti24
6496,4 2208 CFH	CF Halifax	CAN FAX 120/576 NFL ice chart	zeTC
6769 1347 SNN299	MFA Warszawa	POL POL-ARQ idle,id,RY	ti24
6771,7 0311 RFLI	FF Fort de France	MRT ARQ-E3 192 idle	ti24
6792 0737 DFZG	MFA Beograd	YUG RTTY 75 encr.XYXYXYXY...	ti24
6830 1730 JYF9	PETRA Amman	JOR RTTY 50 E-nx	ti24+zeTC
6915 0705	unid	? RTTY 100 end of tfc	ti24
6923 1214 OMV237	unid	? RTTY 75 id,RY,tx off!	ti24
6977 0810 FDG	AF Metz	F RTTY 50 VOYEZ LE BRICK...	ti24
6987 1530 RUM9	Unid	? FAX120/576 Arctic charts	zeTC
7319 2138 SUU3	Meteo Cairo	EGY RTTY 100 AAXX-reports	ti24
7350 1100	unid	? ARQ-E 72 idle	ti24
7397 2301 HSW62	Bangkok Meteo	THA FAX 120/576 shipping wx-txt	zeTC
7405 2148 ATP57	New Dehli Meteo	IND FAX 120/576 nx-wx txt	zeTC
7452 0737	unid FF?	? ARQ-M2 200 msg 5lg	ti24
7456,7 0639 RFTJ	FF Dakar	SEN ARQ-E3 192 idle	ti24
7473 0742	unid	? ARQ-E 72 idle	ti24
7505 1325 FDY	AF Orleans	F RTTY 50 VOYEZ LE BRICK...	ti24
7553 2150	unid	? RTTY 75 encr,tfc	ti24
7591,5 1326 FDY	AF Orleans	F RTTY 50 VOYEZ LE BRICK...	ti24

## EUNL1999

7595	2155	AOK	USNy Rota	E FAX 120/576 wind forecast	zeTC
7603,9	0656	SAM	MFA Stockholm	S SWED-ARQ diplo-nx in Swed.	ti24
7606,7	2103	RFFA	FF Paris	F ARQ-E3 192 idle	ti24
7625	0928		unid	? RTTY 100 encr. tfc	ti24
7625	2120	HZN47	Jeddah Meteo	ARS RTTY 100 AAXX Synop wx	zeTC
7634	1533	P6Z	MFA Paris	F FEC-A 192 idle	ti24
7642,7	1917	RFFP	FF Paris	F ARQ-M2 200 idle	ti24
7646	0901	DDH7	Meteo Quickborn	D RTTY 50 id,RY	ti24
7670	1442	RCC76	Moscow Meteo	RUS FAX 90/576 weather chart	abNL
7681	1639	GXQ	DCN Northwood	G VFT 50 jumping fox RYI	ti24
7707	0809	MKK	DCN London	G VFT 50 jumping fox RYI	ti24
7755,2	2014	RFQP	FF Djibouti	DJI ARQ-M2 200 idle	ti24
7760	0922	RGH77	Meteo Arkhangelsk	RUS RTTY 50 AAXX-reports	ti24
7762	1324		Arkhangelsk Meteo	RUS FAX 90/576 weather chart	abNL
7776,5	2116	OST	Oostende R.	BEL SITOR-B wkg tfc-list	ti24
7808	1358	DFZG	MFA Beograd	YUG RTTY 75 RY,tfc-list	ti24
7822,2	1648	RFFA	FF Paris	F ARQ-E3 200 idle,msg 5lg	ti24
7946,5	0859	DHJ51	Meteo Grengel	D RTTY 100 KAWN-reports AAXX	ti24
7975	1412	SPW	Warszawa R.	POL SITOR-B PAP-px	ti24
7976,7	1648	RFFA	FF Paris	F ARQ-E3 200 idle	ti24
8015	1652		unid	? ARQ-E 72 idle	ti24
8040	1350	GFA23	Bracknell Meteo	G FAX 120/576 weather chart	abNL
8063,2	2016	RFFA	FF Paris	F ARQ-M2 200 idle	ti24
8079	0931		unid	? RTTY 100 encr,tfc	ti24
8105	1920	RFFX	FF Versailles	F ARQ-E 184 idle	ti24
8130	1453	FDY	AF Orleans	F RTTY 50 VOYEZ LE BRICK...	ti24
8133	1653		unid teletypesystem	? unid-200Bd encr.?	ti24
8148	1414	SNN299	MFA Warszawa	POL POL-ARQ msgs to Beograd	ti24
8152	1922		unid	? RTTY 75 msg 5lg	ti24
8166	1442		POL Emb.Kiev	UKR POL-ARQ idle,opchat	ti24
8331,5	1425	GYA	Ny London	G FAX 120/576 Msg	abNL
8421,5	2216	9AR	Rijeka R.	HRV SITOR-B service-inform,	ti24
8428	1210	UTQ	Kiev R.	UKR SITOR-A 100 Tfc	abNL
8432,5	2050	UFN	Novorossiisk R.	RUS SITOR-A wkg UDEJ	ti24
8439	1244	PBC	Ny Noordwijk	HOL RTTY 75 CARB	ti24
8453	1650	FUG	Ny La Regine	F ITA2/75/850 faaa de fug testpcG	
8453,3	0918	HWN	Ny Paris	F RTTY 75 RY SG Testing	ewAU
8478,5	0323	FUF	FNy Fort de France	MRT RTTY 75 RY-SG-TESTING	ti24
8564	0855	FUB	Ny Paris	F ITA2/50/170 `faaz de fub`+rypcG	
8649	1218	MGJ	Ny Faslane	G RTTY 75 CARB	abNL
8815	1635		Unid	? RTTY 75 encryp. msgs,no id	abNL
9045	2217	5YE	Nairobi Meteo	KEN FAX 120/576 wx forecast	zeTC
9046	0752	DFZG	MFA Beograd	YUG RTTY 75 encr,-key XI	ti24
9057	1359	DFZG	MFA Beograd	YUG RTTY 75 RY,tfc-list	ti24
9062	1642		unid	? RTTY 75 5lg,QRU QSL1 no id	ti24
9075	1744	P6Z	MFA Paris	F FEC-A 192 msg 5lg	ti24
9095,5	1353	FDY	AF Orleans	F RTTY 50 VOYEZ LE BRICK...	ti24
9130	1827	MGJ	Ny Faslane	G RTTY 75 CARB	ti24
9162	1609		MFA Moscow? unid	? RTTY 75 msg 5lg,idle	ti24
9198	1417	SNN299	MFA Warszawa	POL POL-ARQ msgs 5ng	ti24
9212	0756		unid	? ARQ-E 72 idle	ti24
9259	1447	P6Z	MFA Paris	F FEC-A 192 ff press-review	ti24
9291	0743		POL Emb,Helsinki	FIN POL-ARQ msg 5lg	ti24
9300	1915		Unid TELEPRINTER	? RTTY	hb01
9340	1438	RCH73	Tahkent Meteo	UZB FAX 60/576 weather chart	abNL
9341,5	0905	FDY	AF Orleans	F RTTY 50 VOYEZ LE BRICK...	ti24
9380	0934	P6Z	MFA Paris	F FEC-A 192 F9S de P6Z,RY	ti24
9438	0943	GXQ	DNC Northwood	G VFT 50 jumping fox,RYI	ti24
9944	1225		unid	? RTTY 75 5lg,idle,5lg	ti24
9983,7	2222	RFFA	FF Paris	F ARQ-3 100 idle	ti24
9991	1233		unid	? RTTY 75 encr,tfc	ti24
10100,8	1030	DDK9	Meteo Quickborn	D RTTY 50 AAXX-reports	ti24
10103,7	0945	RFFA	FF Paris	F ARQ-E3 192 press-review	ti24
10113	1123		unid	? ARQ-E 72 idle	ti24
10154	1453	DOR	MFA Sofia	BUL RTTY 75 RY,opchat,SK SK	ti24
10162,5	1456	YIL71	INA BAGhdad	IRQ RTTY 75 arab-nx	ti24
10201	0715	MKK	DCN London	G VFT 50 jumping fox,RYI	ti24
10211,2	1525	GXQ	Army London	G RTTY 50 Encrypted msgs	abNL

## EUNL1999

10215	1835	HZN48	Meteo Jeddah	ARS RTTY 100 AAXX-reports	ti24
10261,5	0800	MKK	DCN London	G PICOLLLLO 6 Idle Eng. Ch.	ewAU
10299	1750	HSW62	Meteo Bangkok	THA RTTY 50 AAXX-reports	ti24
10299	1600	HSW62	Bangkok Meteo	THA ITA2/50/170 cont meteo msg	pcG
10314	1026	SNN299	MFA Warszawa	POL POL-ARQ idle	ti24
10384,8	2154		Tianjin Meteo	CHN BAUDOT 50/850 wx Chn Locat.	ewAU
10393,7	1750		unid FF?	? ARQ-E3 200 5lg	ti24
10393,7	2156	RFFVAEA	AF Alysse	F E3 200/425 idling no tfc	ewAU
10403	1423		unid	? RTTY 75 encr,tfc	ti24
10416	0716	KUL	MFA Moscow	RUS RTTY 75 id,RY,msg 5lg	ti24
10423	1502	YMA20	Ankara Meteo	TUR RTTY 50 Cavok	abNL
10423,8	2201	YMA20	Ankara Meteo	TUR 50 Met sked VERY RARE HERE	ewAU
10424	1459	YMA20	Meteo Ankara	TUR RTTY 50 id,RY,timesced,	ti24
10458	0859		unid	? RTTY 75 encr,tfc	ti24
10469	1453	CJL	MOSSAD Tel Aviv	ISR RTTY 100 RY,opchat	ti24
10469	1504		unid	? ARQ-E 96 idle,not `CJL`!	ti24
10482	1545		MFA Moscow? unid	? RTTY 75 msgs 5lg	ti24
10484	0910	DOR	MFA Sofia	BUL RTTY 200 diplo-tlx	ti24
10493,7	2205	RFTJF	FF Port Bouet	CTI E3 48/400 idling no tfc	ewAU
10521,7	0650	RFLI	FF Fort de France	MRT ARQ-E3 192 idle	ti24
10536	1125	CFH	CF Halifax	CAN RTTY 75 Synop reports	zeTC
10713	1425	FDY	AF Orleans	F RTTY 50 VOYEZ LE BRICK...	ti24
10767	0804	RGA	MFA Moskva	RUS RTTY 75 msg 5lg	ti24
10802	0936		unid YUG Emb in?	? FEC-A 144 encr.: CCCCC...	ti24
10802	1000	TAD	MFA Ankara	TUR FEC-A 144 idle	ti24
10822	1017	DFZG	MFA Beograd	YUG FEC-A 144 encr.: XJXJXJ...	ti24
10855	1003	GXQ	DCN Northwood	G VFT 50 jumping ox,RYI	ti24
10873,7	2114	RFVI	FNY Le Port	REU ARQ-E3 100 idle	ti24
10891,2	1238	GXQ	Army London	G RTTY 50 RY tape	abNL
10917,7	1805	RFTJ	FF Dakar	SEN ARQ-E3 48 msg-nr 5002	ti24
10952	0737	HBD20	MFA Bern	SUI SITOR-A msg 5lg	ti24
10953	1228	HBD20	MFA Bern	SUI ARQ 100 Encrypted msgs	abNL
10961	1008		unid	? ARQ-M2 200 idle	ti24
10963	1232	HBD20	MFA Bern	SUI ARQ 100 Encrypted msgsti24+abNL	
10967	1234	HBD20	MFA Bern	SUI ARQ 100 Encrypted msgsti24+abNL	
10969	1236	HBD20	MFA Bern	SUI ARQ 100 Encrypted msgs	abNL
10973	1246	HBD20	MFA Bern	SUI SITOR-A msg 5lg	ti24
10991,7	1813	RFFVAY	FF Sarajevo	BIH ARQ-M2 200 idle and rq	ti24
10999	2225		USN Roosevelt Roads	PTR RTTY 75 METAR-reports	ti24
10999	2214	KAWN	USny Suddlebunch Key,FLUSA	BAUDOT 75/850 wx-info	ewAU
11014,2	1448		Unid	? RTTY75 5LG's+ops chat in cwabNL	
11018	1452	GXQ	DCN Northwood	G VFT 50 jumping fox,RYI	ti24
11033	0826		unid	? FEC-A 192 scrambled text	ti24
11039	1028	DDH9	Meteo Quickborn	D RTTY 50 RY-id	ti24
11043,7	1951	RFTJD	FF Libreville	GAB ARQ-E3 192 idle	ti24
11050	0940		unid F Emb,in ?	? FEC-A 192 idle,tx off!	ti24
11052	0749	SPP321	POL Emb Bern	SUI POL-ARQ idle,id,opchat	ti24
11052	0806	PFR	unid	? RTTY 75 id,RY,to 450 Bd	ti24
11072	0751	P6Z	MFA Paris	F FEC-A 192 idle	ti24
11080	1816	YKP28	SANA Damascus	SYR RTTY 50 ff-nx zeTC+abNL+ti24	
11085	1457	P6Z	MFA Paris	F FEC-A 192 5lg msg to F9S	ti24
11110,5	0811	RFLI	FF Fort de France	MRT ARQ-E3 192 idle	ti24
11117	1136	DFZG	MFA Beograd	YUG RTTY 75 encr-key XL	ti24
11122	1106		YUG Emb,in ???	? RTTY 75 encr. with YY	ti24
11125	0824	HZN	Jeddah Meteo	ARS RTTY 100 AAXX Synop wx	zeTC
11137	1111		unid	? ARQ-E 72 idle	ti24
11139	0808	DFZG	MFA Beograd	YUG RTTY 75 encr-key XL	ti24
11146	0721		unid	? RTTY 75 encr,tfc	ti24
11154	1049		unid YUG Emb in?	? RTTY 75 encr,EBEBEBEB...	ti24
11159	0637		Unid TELEPRINTER	? RTTY	hb01
11173,5	1821	P6Z	MFA Paris	F FEC-A 192 idle	ti24
11417	1501		unid FF	? ARQ-M2 200 idle	ti24
11423	1320		MFA Bucharest	ROU ROU-FEC 164 encrypted msgs	abNL
11423,5	1459	SOL242	PAP Warsaw	POL SITOR-B 100 Polish nx ti24+abNL	
11430	1519	HMF55	KCNA Pyongyang	KRE RTTY 50 ee-nx	ti24
11453	1824	IMB33	Meteo Roma	I RTTY 50 AAXX-reports	ti24
11471	0751	SNN299	MFA Warszawa	POL POL-ARQ wkg msg 5lg	ti24
11476	1250	HMF52	KCNA Pyongyang	KRE RTTY 50 ee-nx-propaganda	ti24

## EUNL1999

11483	1504	P6Z	MFA Paris	F	FEC-A 192 H6L de P6Z,svc	ti24
11518,2	0847	RFFA	FF Paris	F	ARQ-M2 200 idle	ti24
11536	0753	HMF49	KCNA Pyongyang	KRE	RTTY 50 id RY	ti24
11562,5	1146		unid	?	SITOR-A scramble tfc	ti24
11572,5	1026	P6Z	MFA Paris	F	FEC-A 192 ff press-review	ti24
12090,2	0734	RFTJ	FF Dakar	SEN	ARQ-E3 192 idle	ti24
12104	1143		unid	?	ARQ-M2 200 idle	ti24
12127	1513		unid	?	RTTY 75 encr. tfc	ti24
12137	0846		MFA Moskva	RUS	RTTY 75 5lg	ti24
12140	1041	HWN	FNy Paris	F	RTTY 150 RY-SG-TESTING	ti24
12144	0946	DOR	MFA Sofia	BUL	RTTY 210 ee press-review	ti24
12167	1316		unid,MFA Moscow?	?	RTTY 75 GA TKS GB SK tx of	ti24
12174	0653		SOUD? MFA Moscow? unid	?	RTTY 75 msg 11177 00052...	ti24
12174	1415	Fapsi	Moscow	RUS	RTTY 75 Long msgs to RAD	abNL
12186	1832	5AQ62	JANA Tripoli	LBY	RTTY 50 wkg ee-nx	ti24
12186	1627	5AQ62	JANA Tripoli	LBY	RTTY 50 E-nx	zeTC
12228	0950		unid	?	ARQ-E3 200 cont,idle	ti24
12298	1854		MFA BRÜSSEL	BEL	RTTY	ti24+hb01
12389	1843	GYU	Ny Gibraltar	GIB	RTTY 75 CARB: 08A 12A GYU	ti24
12561,5	1847		unid RUS vessel	IW	RTTY 50 wkg unid,telex	ti24
12599,5	1134	UAT	Moscow R.	RUS	SITOR-A 100 Msg to EUPQ	abNL
12602,5	1016	IAR	Roma R.	I	SITOR-A wkg undi	ti24
12615	1200	USU	Mariupol R.	UKR	SITOR-A 100 Msg to UWFU	abNL
12627,5	1132	USU	Mariupol R.	UKR	SITOR-A 100 Msg to UYCF	abNL
12635,5	1028	TAH	Istanbul R.	TUR	SITOR-A wkg unid vessel	ti24
12691	1725	FUX	FNy Le Port	REU	RTTY 75 ry testing de FUX	zeTC
12697	1128	USU	Mariupol R.	UKR	RTTY 50 Msgs to var. vessel	abNL
12701	0603	CKN	Ny Vancouver	CAN	RTTY	hb01
12840,5	1325	PBC	RNN Noordwijk	HOL	RTTY 75 CARB	ti24
12857	0930	6WW	FNy Dakar	SEN	ITA2/75/850 foxex	ti24+zeTC+pcG
12903,4	2025	RBSL	Ny Mumbai	IND	RTTY	hb01
12921	1025	MGJ	RN Faslane	G	RTTY 75 CARB	ti24
12932,5	1053		Ny Madrid (tent)	E	RTTY 100 online encryp. tfc	abNL
12961	0820	RUM9	Unid Meteo	RUS	FAX 120/576 Arcic charts	zeTC
13054	1045	UIW	Kaliningrad R.	KAL	RTTY 50 RY CQ de UIW	abNL
13392	1129	1129	MFA Beograd	YUG	RTTY 75 opchat,handtyped	ti24
13399	1359	DFZG	MFA Beograd	YUG	RTTY 75 RY,tfclist	ti24
13443,7	1859		unid,FF Djibouti???	?	ARQ-E3 100 idle	ti24
13444,2	2229	RFQP	FF Djibouti	DJI	ARQ-E3 100 idle	ti24
13446	1306	SNN299	MFA Warszawa	POL	POL-ARQ press-review	ti24
13467	1053	SNN299	MFA Warszawa	POL	POL-ARQ tfc-list Teheran	ti24
13478	1502	RPTI	RPN Ponta Delgada	AZR	RTTY 75 clg RPFN,RY,ZBZ?	ti24
13479,7	0755	RFFP	FF Paris	F	ARQ-M2 200 idle	ti24
13479,7	1523	RFF..	FF Sarajevo	BIH	ARQ-M2 200 flight-wx	ti24
13510	1033	CFH	RCN Halifax [C14L]	CAN	RTTY 75 wx-bcst-data	ti24
13536	0957	SRZ944	F Emb,Warszawa	POL	FEC-A 192 5lg to RFGW	ti24
13551,5	1508	P6Z	MFA Paris	F	FEC-A 192 5lg msg for G8T	ti24
13572,5	1052	RFFX	FF Versailles	F	ARQ-E 184 msg 5lg	ti24
13593,7	0957	RFFA	FF Paris	F	ARQ-E3 192 idle	ti24
13796	1154		unid	?	RTTY 75 encr. tfc	ti24
13840	1302	GXQ	DCN Northwood	G	VFT 50 jumping fox,RYI	ti24
13846,7	1904	RFVI	FNy Le Port	REU	ARQ-E3 100 idle	ti24
13852	1518	AND6	POL Emb.Madrid	E	POL-ARQ msg 5ng to SNG202	ti24
13857,8	0656	HGX41	HNG Emb.Damascus	SYR	DUP-ARQ nx about Ankara	ti24
13933	1001	DOR	MFA Sofia	BUL	RTTY 210 wkg Bul diplo tfc	ti24
13951	1151	HBD20	MFA Bern	SUI	SITOR-A msg 5lg to unid	ti24
13953	1513	P6Z	MFA Paris	F	FEC-A 192 clg J5W for QSA	ti24
13954	1044	HBD20	MFA Bern	SUI	SITOR-A msg 5lg	ti24
13957	1515		POL Emb Rabat	MRC	POL-ARQ msg 5lg to SNN299	ti24
13958,5	0842	HBD47	SUI Emb Lisboa	POR	SITOR-A idle,opchat	ti24
13963	0801	HBD59	SUI Emb Ankara	TUR	SITOR-A msg 5lg	ti24
13976	1309	HBD20	MFA Bern	SUI	SITOR-A msgs 5lg	ti24
13977,7	0759	RFFA	FF Paris	F	ARQ-E3 200 idle	ti24
13986,7	1026	RFLI	FF Fort de France	MRT	ARQ-E3 192 5lg	ti24
13992	0801	HEC	Bern R.	SUI	SITOR-B wkg HBDU,DG4970	ti24
14378	0803	FDI8	FAF Nice	F	RTTY 50 VOYEZ LE BRICK...	ti24
14383	1046	GXQ	DCN whitehall	G	VFT 50 jumping fox,RYI	ti24
14387	1057	DFZG	MFA Beograd	YUG	RTTY 75 encr,XYXYXYXY...	ti24

## EUNL1999

14442	1525	MKK	DCN London	G	VFT 50 jumping fox,RYI	ti24
14467,3	1034	DDH8	Meteo Quickborn	D	RTTY 50 cq,RY	ti24
14475	0819		MFA Moskva	RUS	RTTY 75 5lg	ti24
14486	0845	P6Z	MFA Paris	F	FEC-A 192 msg 5lg	ti24
14501,7	1325		unid,Cairo? Rabat?	?	SITOR-A rq and idle	ti24
14520	1320	U3H	F Emb Moskva	RUS	FEC-A 192 idle,QLS QRU	ti24
14532	0740		unid	?	FEC-A 192 cont,idle	ti24
14541	1052	MKK	DCN London	G	VFT 50 jumping fox,RYI	ti24
14542	0902	G8T	F Emb.Beograd	YUG	FEC-A 192 clg P6Z for ZBZ	ti24
14542	1001	U3H	F Emb.Moskva	RUS	FEC-A 192 idle,opchat	ti24
14545	0830	U3H	F Emb.Moskva	RUS	FEC-A 192 msg-nr,0020,5lg	ti24
14553	0842	A9C	F Emb.Bucuresti	ROU	FEC-A 192 msg-nr,0421,5lg	ti24
14560	1021	JYF2	PETRA Amman	JOR	RTTY 50 arab-nx	ti24
14573	0923	5AQ70	JANA Tripoli	LBY	RTTY 50 wkg AA-nx	ti24
14575	0845	P6Z	MFA Paris	F	FEC-A 192 idle	ti24
14576	1445		unid,PX? Diplo?	?	RTTY 50 unid alphabet	ti24
14585,7	1528	RFTPL	FF Ndjamena	TCD	ARQ-E3 200 idle	ti24
14626,7	1908	RFLI	FF Fort de France	MRT	ARQ-E3 192 idle	ti24
14705	0806		unid	?	RTTY 75 end of tfc,no id!	ti24
14809	1136	GXQ	DCN Northwood	G	VFT 50 jumping fox,RYI	ti24
14837	1332	ATV65	Meteo New Delhi	IND	RTTY 50 wkg wx-data,AAXX	ti24
14859	1013		unid Diplo?	?	RTTY 75 end of tfc OK,RY	ti24
14868	0749		unid	?	RTTY 75 encr tfc,	ti24
14912	1359	DFZG	MFA Beograd	YUG	RTTY 75 id,RY,tfc-list	ti24
14926,7	1341	RFTJ	FF Dakar	SEN	ARQ-E3 192 idle	ti24
14966,7	1102		MFA Cairo	EGY	SITOR-A msg 5lg	ti24
14968	1101		unid	?	RTTY 75 encr,tfc	ti24
14970,3	1009	SAM	MFA Stockholm	S	SWED-ARQ swedish press,	ti24
14975	0900	P6Z	MFA Paris	F	FEC-A 192 idle	ti24
14982,5	1012	RBV76	Tashkent Meteo	UZB	FAX 90/576 hPa Heigh analy.zeTC	ti24
15627	1005	P6Z	MFA Paris	F	FEC-A 192 clg SRZ944 test	ti24
15633	1008	HMF26	KCNA Pyongyang	KRE	RTTY 50 ee-nx-propaganda	ti24
15676	1201	HGX21	MFA Budapest	HNG	DUP-ARQ 5lg	ti24
15682	1014		unid	?	SITOR-B wkg russ,text	ti24
15727	1042	TAD	MFA Ankara	TUR	FEC-A 144 id,opchat	ti24
15848	1014		unid SER Diplo	?	RTTY 75 encr-key BA	ti24
15855	1008	DFZG	MFA Beograd	YUG	RTTY 75 encr,XYXYXYXY...	ti24
15873	1056	P6Z	MFA Paris	F	FEC-A 192 idle	ti24
15887	0852		unid AERO-AFTN	?	RTTY 50 wx-data	ti24
15898	0907	P6Z	MFA Paris	F	FEC-A 192 msg 5lg	ti24
15920	1335	CFH	Ny Halifax	CAN	RTTY 75 NAWS ZKR-tape	ti24
15961,7	1001	RFLI	FF Fort de France	MRT	ARQ-E3 192 idle	ti24
16011	1509		unid Warszawa? Emb.?	?	POL-ARQ idle,no id,	ti24
16035	1440	9VF252	KYODO Singapore	SNG	FAX 120/576 press txt	zeTC
16037	1055	MKK	DCN London	G	VFT 50 jumping fox,RYI	ti24
16045	1046	FUV	FNy Djibouti	DJI	RTTY 75 RY-SG-TESTING	ti24
16062	1051		unid	?	T-PLEX opchat,no id	ti24
16077,7	1126	RFFA	FF Paris	F	ARQ-E3 192 idle	ti24
16087,7	1522	RFVI	FNy Le Port	REU	ARQ-E3 100 idle	ti24
16101	1140	HBD20	MFA Bern	SUI	SITOR-A msg 5lg to unid	ti24
16118	1011	HBD20	MFA Bern	SUI	SITOR-A msg,5lg	ti24
16124	1308		unid	?	RTTY 50 RY+scrambled tfc	ti24
16125,5	1454	RFQP	FF Djibouti	DJI	ARQ-M2 200 idle	ti24
16142	1645		unid	?	SITOR-A lg-msgs,grps with Kti24	ti24
16143,7	1516	RFLI	FF Fort de France	MRT	ARQ-E3 192 idle	ti24
16165,2	1100	RFFA	FF Paris	F	ARQ-M2 200 idle	ti24
16168	1015		unid	?	ARQ-E3 200 idle	ti24
16193,2	1526	RFQP	FF Djibouti	DJI	ARQ-M2 200 cont. idle	ti24
16240	1043	U3H	F Emb Moskva	RUS	FEC-A 192 msg-nr,0040,5lg	ti24
16244	1401	U3H	F Emb Moskva	RUS	FEC-A 192 5lg to P6Z	ti24
16257	0840		MFA Moskva	RUS	RTTY 75 5lg and 5ng	ti24
16260	1013	P6Z	MFA Paris	F	FEC-A 192 idle	ti24
16275	1053	GXQ	DCN Northwood	G	VFT 50 jumping fox,RYI	ti24
16280,2	1101	RFFA	FF Paris	F	ARQ-M2 200 idle	ti24
16294	1131		SER Emb.in ???	?	RTTY 75 encr,with GH	ti24
16295	0744	DFZG	MFA Beograd	YUG	RTTY 75 encr,XYXYXYXY...	ti24
16302	1359	DFZG	MFA Beograd	YUG	RTTY 75 id,RY,tfc-list	ti24
16310,2	1102	RFFA	FF Paris	F	ARQ-E3 200 msg 5lg,5ng	ti24



## EUNL1999

16386,7	1343		unid,MFA Islamabad?	?	T-PLEX arab text	ti24
16680	1057		unid vessel	IW	SITOR-A msg-request	ti24
16790,5	1322	TCBO	unid vessel	IW	SITOR-A wkg msgs,tlx	ti24
16803	1258		unid Coast-station?	?	SITOR-B wkg PX in ee	ti24
16809,5	1302	EDJ6	Madrid R.	E	SITOR-B wkg tfc-list	ti24
16816,5	1110	A7D	Doha R.	QAT	SITOR-A wkg unid,ending	ti24
16829	1059	USU	Mariupol R.	UKR	SITOR-A wkg UYWN	ti24
16839,5	1144	UFN	Novorossiysk R.	RUS	SITOR-A 100 to var.vessels	abNL
16840	1102	GKQ	Portishead R.	G	SITOR-A wkg unid vessel	ti24
16840,5	1104	UHK	Batumi R.	GEO	SITOR-A wkgA.PUSTOVOYT,UDEW	ti24
16865	1324	XSQ	Guangzhou R.	CHN	SITOR-A ee-msgs to unid	ti24
16898,5	1146	UAT	Moscow R.	RUS	SITOR-A 100 to var.vessels	abNL
16936,9	1027		Unident Teleprint	?	Rtty	hb01
16951,5	1357	6WW	FNY Dakar	SEN	RTTY 75 RY-SG-TESTING	ti24
16961,5	1015		Unident Teleprint	?	Rtty	hb01
17055,2	1112	MGJ	RN Faslane	G	RTTY 75 CARB	ti24
17055,9	0927		Unident Teleprint	?	Rtty	hb01
17139	0914		Unident Teleprint	?	Rtty	hb01
17141	1114	USU	Mariupol R.	UKR	RTTY 50 wkg UWDX,tlxs	ti24
17180	1329	FUG	Ny La Regine	F	RTTY 75 RY-SG-TESTING	hb01+ti24
17223,6	0846		Unident Teleprint	?	Rtty	hb01
17432	1359	DFZG	MFA Beograd	YUG	RTTY 75 id,RY,tfcl-list	ti24
17482	1312	DFZG	MFA Beograd	YUG	RTTY 75 encr,-key XJ	ti24
17550,7	1006	RFTJ	FF Dakar	SEN	ARQ-E3 192 idle	ti24
18036	0917		YUG Emb Islamabad	PAK	RTTY 75 encr.: ABABABAB...	ti24
18037	1408	DFZG	MFA Beograd	YUG	RTTY 75 encr.-key XY	ti24
18040,3	1029	HGX39	HNG Emb.New Delhi	IND	DUP-ARQ encr. tfc,	ti24
18042	0759	HGX21	MFA Budapest	HNG	DUP-ARQ 5lg to HGX39!	ti24
18055	1359	DFZG	MFA Beograd	YUG	RTTY 75 id,RY,tfcl-list	EU+ti24
18064	0849	SNN299	MFA warszawa	POL	POL-ARQ msg 5lg	ti24
18180	1513	MKK	DCN London	G	RTTY 50!!! jumping fox RYI	ti24
18261	1412	GFE24	Bracknell Meteo	G	Fax	hb01
18281,5	1347		unid	?	SITOR-A clg VKPV,rq+idle	ti24
18308,5	1149	P6Z	MFA Paris	F	FEC-A 192 msg 5lg	ti24
18320,7	0853	RFTJ	FF Dakar	SEN	ARQ-E3 192 idle	ti24
18422	1147		unid (KDJPHDJ)	?	SITOR-A cyrilic opchat	ti24
18436	1418	RFFA	FF Paris	F	ARQ-E3 200 msg to RFFINDI	ti24
18447	1149	MKK	DCN London	G	VFT 50 jumping fox,RYI	ti24
18493,5	1123	FUV	FNY Djibouti	DJI	RTTY 75 RY-SG-TESTING	ti24
18496,1	1337	CNM80	MAP Rabat	MRC	RTTY 50 spanish-nx	ti24
18503,7	1155	RFFA	FF Paris	F	ARQ-E3 192 idle	ti24
18648,5	1409	SOT265B	PAP warszawa	POL	Sitor	hb01
18760	0810	P6Z	MFA Paris	F	FEC-A 192 5 lg to unid	ti24
18871,5	1407		unid	?	SITOR-B cont,idling	ti24
19048,7	0920	RFFA	FF Paris	F	ARQ-E3 192 idle	ti24
19101,7	1401	RFLI	FF Fort De France	MRT	ARQ-E3	ti24+hb01
19145,7	1703	RFTJ	FF Dakar	SEN	ARQ-E3 200 idle	ti24
19216,7	1140	RFLI	FF Fort de France	MRT	ARQ-E3 96 idle	ti24
19318	1415	OMZ66	MFA Bratislava	SVK	RTTY 100 svk-diplo-nx	ti24
19415	1021		unid tent.MFA Moskva	?	RTTY 75 5ng..typical msgs	ti24
19638	1400		unid	?	FEC-A 192 idle,tx off!	ti24
19646,7	1432	RFLIG	FF Cayenne	GUF	ARQ-E3 192 msg to DijonpcG+	ti24
19699	1026	UFN	Novorossiisk R.	RUS	SITOR-A wkg UBUT,qs1	ti24
19718	1402	UDK2	Murmansk R.	RUS	RTTY 50 wkg press-items	ti24
19741,4	1645	8PO	Barbados R.	BRB	SITOR/A tlx/cw mkr	pcG
19860	1147	MGJ	Ny Faslane	G	RTTY 75 CARB	ti24
19860	0844	MGJ	Ny Faslane	G	RTTY 75 CARB msgs id	zeTC
20179,7	1151	RFFA	FF Paris	F	ARQ-E3 100 msg 5lg	ti24
20215	1034		unid	?	RTTY 75 encr. tfc	ti24
20633,5	1315	RFVI	FF Le Port	REU	ARQE3/100/400	hb01+pcG
20814	1155		unid	?	ARQ-E3 96 idle	ti24
20847,7	1202		unid	?	ARQ-E3 200 idle	ti24
20933,5	1352	SOV293B	PAP warszawa	POL	Sitor	pcG+hb01
22447	1208	FUV	FNY Djibouti	DJI	RTTY 75 RY-SG-TESTING	ti24
22490	1153	UCE	Arkhangelsk R.	RUS	RTTY 50 id,RY,wkg UCNC	ti24
22537	1210	FUF	FNY Fort de France	MRT	RTTY 75 RY-SG-TESTING	ti24
22888	1434	DFZG	MFA Beograd	YUG	RTTY 75 end of tfc	ti24
24170,7	1321		unid	?	ARQ-E3 192 idle	ti24

## EUNL1999

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

12983 0928 VNG TS Sydney AUS cw-time pips pcG

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

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AIR-Maersk Air/DAN	7	lt,pk,i (Maersk 414)	11345	OY-APA		aiEU
AIR-SWISSAIR 285	14	ppc (no loc. gvn)	8903			nr76
ALG-Bechar Aero	180	ppc direct	8894		1000 w	ai47
AUS-Brisbane Aero	14	ppc,vy kindly lt,vc	8867			nr76
AUS-Melbourne Meteo	23	cd,lt (TX Canberra)	11030	AXM35	5000 w	zeTC
BEL-Koksidje Rescue	29	lt	5680			lrG
CAN-NDB La Grande 4,PQ	26	ppc dir.(hrd in DOM)	332	`YFM`	2500 w	ai47
CHN-NDB Hongkong	71	lt f/up (hrd in THA)	338	`HKG`	2500 w	ai47
D -NDB Erfurt	3	ppc/SASE	425	`ERT`	50 w	mm35
D -NDB Kuerten(for Bonn)	14	ppc	426	`WYP`		nr76
D -NDB/L Nuernberg	2	lt/ppc/SASE	295	`NB`	100 w	mm35
D -NDB Roethenbach	2	lt/ppc/SASE	415	`RTB`	100 w	mm35
D -NDB Zweibruecken	3	ppc/SASE	435	`ZBN`	125 w	mm35
DOM-NDB Punta Cana	95	ppc,lt,i f/up`s	425	`PCA`		ai47
E -NDB Palma de Mallorca	21	ppc (direct)	307,5	`PA`		nr76
E -USNy Rota Meteo	30	lt,sti/IRC	7595	AOK		zeTC
EST-Kuressaare Rescue	28	f/d cd	5680			lrG
EST-Tallinn Rescue	28	f/d cd	5680			lrG
EST-Tallinn Rescue	81	ppc	5680		600 w	ai47
EST-Tallinn ATIS	10	lt,ppc	4645			mm35
F -NDB Biscarrosse	39	ppc direct	358	`BRS`	100 w	moF
F -NDB Chalon/Champfargueil	7	ppc via cen-ads	391	`CC`		nr76
F -NDB Cherbourg	7	f/d lt	373	`MP`		lrG
F -NDB Dieppe/St. Aubin	23	ppc direct	351	`DAS`	15 w	moF
F -NDB Fiogeac/Levernon	7	ppc via cen-ads	395	`FC`		nr76
F -NDB Le Pontreau	11	lt,ppc,i direct	357	`LP`		moF
F -NDB Merville/Calonne	14	ppc via Lille	404	`MRV`		nr76
F -NDB Point de Creach	14	ppc	301	`CA`		nr76
F -NDB Romoratin	7	ppc via cen-ads	301	`RTN`		nr76
F -NDB St. Briec	35	f/d lt/ms	353	`SB`		lrG
F -NDB Toulouse/Blagnac	14	ppc	423	`TS`		nr76
F -NDB Verdun	13	ppc/ms	392			hb31
F -NDB Villefranche/Tarare	7	ppc via cen-ads	344	`TR`		nr76
G -Humber Coastguard R.	19	lt,info/ms	2182			hb31
G -NDB Aberdeen	14	ppc	348	`ATF`		nr76
G -NDB Bournemouth	53	ppc dir. for fax rpt	339	`BIA`	30 w	moF
G -NDB Brize Norton	8	ppc f/up for `95 rprrt	386	`BZ`	50 w	ai47
G -NDB Brough	10	compliments slip/SAE	372	`BV`		lrG
G -NDB Carlisle	14	ppc	328	`CL`	6 w	nr76
G -NDB Edinburgh	7	ppc	341	`EDN`		nr76
G -NDB Edinburgh	7	ppc	368	`UW`		nr76
G -NDB Fair Oaks	23	lt,ppc,my infos direct	348	`FOS`		moF
G -NDB Girdleness	21	ppc,lt	311,5	`GD`		nr76
G -NDB Glasgow	7	ppc	325	`AC`		nr76
G -NDB Hawarden	14	ppc	340	`HAW`		nr76
G -NDB London/Gatwick	8	ppc direct for fax rpt	338	`GE`	100 w	moF
G -NDB London/Gatwick	8	ppc direct for fax rpt	365	`GY`	100 w	moF
G -NDB Newcastle	7	ppc	351,984	`NEW`		nr76
G -NDB Penzance Heliport	27	ppc,i dir. for fax rpt	333	`PH`	52 w	moF
G -NDB Stornoway	15	compliments slip/SAE	431	`SAY`		lrG
G -Ny London	31	f/d lt	8331,5	GYA		zeTC
GRC-Kerkyra R.	31	lt via Athen R./2f/up	2304	SVK		lrG
GRL-Aasiat R.	16	n/d lt f/up	2304	OYR		lrG
GUM-Guam R.	21	cd via globe wirel.	12629	KHF		nr76
HOL-Ny Den Helder	42	ppc,lt	2845	PBB	1-10kw	ai47
HRV-NDB Dubrovnik/Cavtat	14	ppc (direct)	380	`CV`		nr76
HRV-NDB Dubrovnik/Kolocep	14	ppc (direct)	318	`KLP`		nr76
HRV-NDB Trogir(for Split)	14	ppc (direct)	378	`TRI`		nr76
I -Nucleo Aereo Pescara	105	ppc	6815	NA3	25 w?	ai47
I -Nucleo Aereo Sarzana	178	ppc	6815	NA1	5-400 w	ai47
I -MRSC Ancona	108	ppc,lt	6815	ICI07		ai47

## EUNL1999

I -MRSC Cagliari	103	ppc	6815	ICI13		ai47
I -MRSC Cagliari	21	ppc	6815	ICI13		nr76
I -NDB Chioggia	14	ppc via Venice	408	CHI		nr76
I -Locamare Lampedusa	15	ppc,busi-cd	6815		200 w	ai47
I -Compamare M.del Vallo	21	ppc	6815			nr76
I -Compamare Manfredonia	14	ppc	6815			nr76
I -Compamare Messina	29	ppc	6815		250 w	ai47
I -Compamare Messina	14	ppc,pers.lt	6815			nr76
I -Compamare Taranto	12	ppc/ms	6815			hb31
I -Compamare Termoli	9	ppc	6815		60 w	ai47
I -MRSC Trieste	87	lt,qs1-lt	6815	ICI10	250 w	ai47
ICO-NDB Cocos (Keeling)	78	ppc,vc(fup-hrd in THA)	305	CC	500 w	ai47
IND-Hyderabad Aero	16	lt/IRC	8909			hb31
IRL-NDB Dublin	20	ppc,i via cen.-ads	316	OE	25 w	moF
IRL-NDB Waterford	20	ppc,i via cen.-ads	368	WTD		moF
ISL-Rikisutvarpid	30	cd	11402			aLEU
IW -Amerada Hess	19	ppc/ms	2182	AH001		hb31
IW -Amerada Hess 001 p/f	18	ppc,vc`s (tnx to gsLX)	2182	001 Marine	100 w	ai47
IW -GC CP241	108	ppc (via MRSC Ancona)	6815	CP241		ai47
IW -M/T Sardegna	82	ppc/ms	2182	ITCN		hb31
IW -MV Guardia Costiera	Bannock	CP451 38 ppc,fo	6815	IGUT	250 w	ai47
IW -NDB Dan DUC-DC-F	14	ppc	349	DNF		nr76
IW -Tynemouth Lifeboat	7	ppc/ms	2182			hb31
IW -USCGC Mohawk	67	ppc,lt,sti`s	14441,5	NNN0CMD	1000 w	ai47
IW -USCGC Venturous	106	cd	14463,5	NNN0CTB		ai47
IW -USS Spruance	31	ppc,sti`s	14391,5	NNN0CUO	500 w	ai47
IW -USS Yorktown	85	ppc,fo,sti,i	14470	NNN0CYT	250 w	ai47
IW- M/T Sansovino	13	ppc,lt,photo/ms	2182	ICJO		hb31
J -Tokyo Meteo	20	f/d lt, JMH-sched.	9970	JMH3		zeTC
J -Tokyo Meteo	20	f/d lt, JMJ-sched.	18441,2	JMJ5		zeTC
J -KYODO Singapore	8!	KYODO info,no QSL!	17430		10000 w	zeTC
LUX-NDB Luxembourg	10	ppc/ms	368,5			hb31
MAU-Mauritius R.	22	f/d lt 2 f/up	12831	3BM		lrG
NOR-NDB Bergen/Askoe	42	ppc via cen-ads	360	ASK		nr76
NOR-NDB Stavanger Sola	28	ppc,lt	319	VAR		nr76
NOR-NDB Stavanger Sola	14	ppc	352	ZO		nr76
NZL-Awanua R.	21	cd via Globe wirel.	12580	ZLA		nr76
OMA-NDB Fahud	22	ppc (hrd in UAE)	267	FHN		ai47
POR-NDB Arruda	9	ppc cen.-ads fax rpt	382	LAR	100 w	moF
POR-NDB Cascais	13	ppc,i direct fax rpt	359	CA	50 w	moF
POR-NDB Lisboa/Caparica	9	ppc cen.-ads fax rpt	389	CP	1000 w	moF
POR-NDB Porto	9	ppc cen.-ads fax rpt	327	POR	1000 w	moF
RUS-Arkhangelsk R.	164	ppc,vc	12795	UCE/UGE	5000 w	ai47
S -NDB Soederhamn	42	ppc,tourist-info	337	OZ		nr76
THA-NDB Ubon Ratchathani	94	ppc direct-(hrd in THA)	373	UB	400 w	ai47
UAE-NDB Zakum	21	ppc (hrd in UAE)	373	BD2		ai47
UGA-Entebbe Aero	21	ppc,lt	8903			nr76
USA-MARS w.Hempstead,NY	18	ppc,cd (f/up 95 rppt)	14818,5	NNN0AEN	150 w	ai47
USA-Silvair Miami	69	ppc,info/ms	6637			hb31

(now finally a real QSL after f/up)

## Membership and Money corner:

I received a note from OM Nobert, that there are 10 gentlemen, who haven't paid their membership fee until the 10th of December. I please you to check if someone of you is mentioned in EUNL 10-98 who is due to renew. Otherwise EUNL 2-99 will be the last for you. Or, if you prefer the free Internet-version, please drop me a line for my information, tnx.

## Addresses/Infos/Veri-signers:

I received a message from OM Magnus with the address of his homepage of the `Men in blue` (a synonym for people working in the Navy). You can find there useful informations and also pictures for downloading of Navyships from different countries, e.g. Germany, the United States and some more. It's well worth a visit not only for Navy-freaks. Address:  
<http://members.aol.com/mneuh26974/area21.html>

Here in info on the strange pips on 3757 kHz from someone who wishes to remain anonymous:

EUNL1999

===== (beg of quote)

Pips are emitted on 3757 kHz from at least late eighties. This is the night time frequency; before 14.00 UTC (17.00 Moscow time) 5445 kHz is used (QRG is approximate, because the used Rx has no digital readout). In previous years, several times the following has been heard: pips suddenly stop, and the OM voice makes an announce similar to this: To1'ko d1'a 963 648 451 861 Translated into English, this means: Only for 963 648 451 861 (numbers were different each time) And then pips appear again. But during latest observations, no such phone announcements were heard. Once (some years ago) I entered the duty officer's room in the Army recruiting office (called 'voenkomat' in Russian). I noticed the radio receiving equipment there, and the same pips were coming out of the loudspeaker. Leaving the office, I saw the antenna intended for 3...5 MHz band on its roof. So, obviously the signal belongs to the army framework. The story took place in Volgograd region, several hundred kilometers north-east of Krasnodar, the tentative tx location.  
===== (end of quote)

DFZG - New daily sked

MFA Beograd, DFZG, has a new daily broadcast-sked in RTTY 75 Bd: 1400 (ID starts around 1355) on 7808/9057/13399/14912/16302/17432/18055//Best reception in northwestern and northern Germany could be made on 13 and 14 MHz. This sked runs even on Saturday and sometimes on Sundays!

Another sked - but that's vague - runs at 0700 (0730). Involved freqs. are 5312/6792/7808/9046/11039/11139/13397/14674/16295/20132// Some time ago, when those transmissions weren't encrypted as they are now on these both transmissions you could find press reviews and news-skeds. Probably the reasons for these regular transmissions are still the same. Whoknows? After the call-up a traffic-list follows, e.g. `LOC. 1150 XY FOR: A L L ` , indicating msgnr. (1150), used encryption key (XY) and addressees. Each message is offline encrypted by an automatic system. The encrypted text starts with a key streing (XYXYXYXYXYXYXYXYXYXYXYXYXYXY:).

In a repetition you can see that the second run is equal to the previous transmission. Known keys at thista are: XY, ZX, FZ, GZ, EB, AB, FT (ti47)

Solved NDB`s by zeTC tnx!

400 RA = 402 Plana u C. Budejovic (ex Strunkovice) CZE  
475 RP = 477 Senica/SVK 441 CK = 441 Prerov CZE (ex 213,5)  
316 OKG = 317 Cheb CZE 420 UR = 422 Hradee Kralove CZE  
407 NE = 407 Praha-Ruzyne/Nebusice CZE id = N + . NOT NE !

Hof NDB HOF 484 kHz out of service; Sembach NDB SEX switched off (via DFS-NOTAM-News) (mm35)

To Ian (ibG) c/f EUNL 11-98: In case nobody else ahs contacted you on your request, ist would probably seem that ARINC Honolulu is now remoted to San Francisco Aero. (lrG)

To Peter (pcG) c/f EUNL 12-98 Radio Baku:

Address of Baku Radio: (supplied by Peter van den Esschert, TNX!!)  
Caspian Shipping Co., Ul Mamed Emin Rasul-Zade 5, 370005 Baku 5, Azerbaijan  
Tel: 00994-1-2938402/ 00994-1-2938224 Fax: 00994-1-2935339 Tlx: 064142102+

St. Peter Port Radio are due to move the signal station to another location at St. Peter Port Harbour. Maybe the radioequipment will be tested on MF? (lrG)

Info concerning NDB GD-Girdleness (by nr76):

V/s Peter Douglas, Radio Engineer writes: "I believe that you are slightly in error with your QSL report of receiving our Non Directional Beacon at Girdleness (GD) on 311.0 kHz on 18 November 1998. Since July 1998 Girdleness transmits continuous DGP Data on this frequency and the NDB frequency is now 311.5 kHz. Girdleness has a 200 w Amplidan (Denmark) transmitter, currently outputting some 12 w (NDB) into a 30 m high three wire T-antenna. Regrettable the RDF signal is due to be discontinued sas of February 1999. Remark by nr76: Did they xmit cw-id's (I believe so the RDF signals on 311,5) or did the GD-maritime signals origin from another side???

D-ZBN NDB Zweibruecken: Flugplatz Zweibruecken GmbH, Verkehrsleiter, Gebaeude 391, D-66482 Zweibruecken, V/S Hanno Finger (mm35)

## EUNL1999

D-ERT NDB Erfurt: DFS Deutsche Flugsicherung GmbH, Niederlassung Erfurt, Flughafen, D-99092 Erfurt (mm35)  
D-RTB/NB NDB `s via: DFS Deutsche Flugsicherung GmbH, Niederlassung Nuernberg, Flughafenstrasse 100, D-90411 Nuernberg, V/S Juergen Guenther (mm35)  
IND-Hyderabad Aero: National Airports Authority, Hyderabad Airport, Hyderabad 500 016 India (v/s K. Ramakrishna, Additional General Manager (Com))(hb31)  
G-BV NDB Brough: British Aerospace, Military Aircraft, Aerostructures, Brough, East Riding of Yorkshire, HU15 1EQ (lrg)  
MAU-3BM Mauritius R.: Mauritius Telecom, 18th Floor, Telecom Tower, Edith Cavell Street, Port Louis (lrg)  
AUS-Brisbane Aero: Brisbane FIS International HF, P.O. Box 10023, Brisbane, Adelaide St. QLD 4000 (nr76)  
HRV-CV NDB Dubrovnik/Cavat: Republika Hrvatka, Ministarstvo Pomorstva, Prometa i Veza, Uprava kontrole leta Zagreb, Centar aerodromske kontrole leta Dubrovnik, HR-50213 Cilipi (nr76)  
HRV-TRI NDB Trogir: Republika Hrvatka, Ministarstvo Pomorstva, Prometa i Veza, Uprava kontrole leta Zagreb, Centar aerodromske kontrole leta, HR-58120 Split (nr76)  
F-CA NDB Point de Creach: Direction departamentale l`equipment, Subdivision des Phares et Balises, 8 rue du Ct. Malbert, B.P. 36, F- 29801 Brest Cedex (nr76)  
F-MRV NDB Merville: Direction de l`Aviation Nord, District Aeronautique Nord - Pas de Calais, Aerodrome de Lille-Lesquein, B.P. 429, F- 59814 Lesquin-Cedex (nr76)  
F-TS NDB Toulouse: Direction de l`Aviation Civile Sud, B.P. 100, F- 31703 Blagnac Cedex (nr76)  
IW-DNF NDB Dan DUC-DC-F: Dan F, EL 5000, DK- 6705 Esbjerg East (nr76)  
NOR-NDB VAR+ZO Stavanger Sola: Luftfartsverket Rogaland, Stavanger Lufthavn, Sola Postboks 506, N- 4055 Stavanger Lufthavn (nr76)  
S-OZ NDB Söderhamn: Försvarsmakten, Hälsinge Flygflottilj, Box 503, S- 82601 Söderhamn (nr76)  
AIR-Swissair 285: SWISSAIR, Flight Operations, Engineering and Support, Avionics/ODT, CH- 80568 Zürich-Flughafen (nr76)  
UGA-Entebbe Aero: Civil Aviation Authority, Air Navigation and Regulatory Services, P.O.Box 5536, Kampala (v/s: Mr. Chris Omadi, Dircetor)(nr76)  
G-AC NDB Glasgow: National Air Traffic Services Ltd., Control Tower Building, Duty Engineering Officer, Campsie Drive, Glasgow Airport, Paisley PA2 8DP (nr76)  
G-CL NDB Carlisle: Carlisle Airport, Crosby on Eden, Carlisle CA6 4NW (nr76)  
G-EDN NDB Edinburgh: National Air Traffic Services Ltd., Engineering Manager, Edinburgh Airport, Turnhouse Road, Edinburgh EH12 0AL (nr76)  
G-GD NDB Girdleness: Northern Board, 84 George Street, Edinburgh EH2 3DA (nr76)  
G-HAW NDB Hawarden: Hawarden Airport, British Aerospace (Operations) Ltd., Senior Air Traffic Officer, Cherster Road, Broughton, Chester, CH4 0DR (nr76)  
F-BRS NDB Biscarrosse/Parentis: Aérodrome de Biscarrosse-Parentis, 2100, Route de Parentis, F-40600 Biscarrosse (mo76)  
G-LP NDB Le Pontreau: Aérodrome de Cholet, B. P. 2135, F-49321 Cholet Cedex (mo76)  
FOS Fairoaks: Fairoaks Airport, Chobham woking, Surrey GU24 8HX, England (mo76)  
G-PH NDB Penzance Heliport: Brintel Helicopters Ltd., The Heliport, Eastern Green, Penzance, Cornwall, TR18 3AP (mo76)  
POR-CA NDB Cascais: Aeródromo Municipal de Cascais, Tires - 2775 S. Domingos de Rana, Portugal (mo76)  
AIR-Maersk Air: Copenhagen Airport South, DK-2791 Dragoer (alEU)  
UAE-BD2 NDB Zakum: SERCO-IAL Ltd., Abu Dhabi Int'l Airport, Manager Technical Services, P.O.Box 2411, Abu Dhabi (ai47)  
OMA-FHN NDB Fahud: Muscat Aeradio, P.O.Box 1002, C.P.O., Manager Technical Services, Seeb Int'l Airport, OMAN (ai47)  
CAN-YFM NDB La Grande 4: Hydro Quebec, Agent de Trafic, Aeroport de la Grande 4, Baie James, PQ, CANADA (tnx rk50)  
G-BZ NDB Brize Norton: GRMS CIS ENGH Flt., RAF Brize Norton, Caterton, Oxon OX8 3LX, UTED KINGDOM (ai47)  
ICO-CC NDB Cocos (Keeling) Islands: Cocos Island Aeradio, Department of Aviation, P.O.Box 1, Government Aerodrome, Cocos (Keeling) Island 6799, INDIAN OCEAN (ai47)  
CHN-HKG Hongkong: Telecommunications Unit, Technical and Planning Division, Civil Aviation Department, Hongkong International Airport, Hongkong (ai47)  
USA-NNNOAEN MARS West Hempstead: Clayton Matthews, 341 Concord Ave., West Hempsted, NY 11552, USA (tnx JD Stephens, USA)(ai47)  
RUS-UCE/UGE Arkhangelsk R.: Northern Shipping Company, -Radiotzentr-, 36 Nab.

EUNL1999

Lenina, 163 051 Arkhangelsk, RUSSIA (ai47)
IW-NNNOCMD USCGC Mohawk: USCGC Mohawk (WMEC-913), c/o Group Key West, FL 33040-0005 (v/s = Scott W. McClain, Electronics Technician 1st class)(ai47)
IW-NNNOCTB USCGC Venturous: USCGC Venturous (WMEC-625), 600 8th Ave S.E., St. Petersburg, FL 33701 (ai47)
IW-NNNOCYT USS Yorktown: Commanding Officer, FPO AA34093-1159 (ai47)
ALG-Bechar Aero: Direction de l'Exploitation de la Navigation Aérienne, Etablissement Nation de la Navigation Aérienne, Centre de Controle Regional d'Bechar, Service de l'Information Aéronautique, Route de Cheraba Oued-Smar BP 320, Dar El-Beida 16100 (ai47)
I-NA1 Nucleo Aereo Sarzana: Guardia Costiera Italiana, Capitaneria di Porto, Nucleo Aereo Guardia Costiera, Sezione Operativa, I- 19100 Luni-Sarzana (ai47)
I-Locamare Lampedusa: Guardia Costiera Italiana Lampedusa - Locamare, Lampedusa, Uffici Locali Marittimi, Capitaneria di Porto, Sezione Operativa, I-92010 Lampedusa - ITALIA (ai47)
HOL-PBB Ny Den Helder: Netherlands Navy, Radio Communications Station PBB, NL-1781 ZZ Den Helder, The Netherlands (ai47)

Inquiries Department:

OM Peter (peNL) requestes help on his maritime Unid`s UBA and UVM. Anyone????

This great work was made by (13) diligent contributors: abNL, ewAU (Australia), pt53, hb01, mo76 (moS=mo76 in Umea/S), hb31, aLEU, peNL, zeTC (tnx for yr card!), nr76, lrg, mm35 (welcome back, Michael!) ai47

gd dx + 73`s; until next month

EUROPEAN UTILITY NEWSLETTER 2-1999

\*\*\*\*\*
\* Editor: Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY \*
\* Tel.: (49) 02841 / 178529 \*\*\*\*\* e-mail: aibold@aol.com \*
\* Home page: http://members.aol.com/aibold/EUNL.htm \*
\* Treasurer: Norbert Reiner \*
\* Membership fees to: Badische Beamtenbank Karlsruhe \*
\* Konto Nr.: 2038005 BLZ: 66090800 \*
\* Dispatcher: Norbert Reiner \*
\* ----- \*
\* Membership fees for the printed copies: payable to the treasurer \*
\* Germany: 20 DM; Europe: 20 DM (13 \$); Overseas: 25 \$ or the equivalent in \*
\* foreign currency - no cheques please!! \*
\* \*
\* Deadline: 20th of the month!!! \*
\*\*\*\*\*

Hi ute buffs,

Again two different versions due to very much input! The internet versions has 24 pages!!! We have to welcome another Ute-listener from Punta Arenas/ Chile (dbCE)! No fear, all stations can be easily heard here in Europe. But very nice to see that our journal is well known in wide parts of the world!

N D B

Table with 6 columns: Call number, QTH, Station name, Country, Mode, and Call sign. Rows include stations like 274 0301 SAL, 277 0149 CHT, 277 0226 BRY, 282 0242 LA, 286,5 0135 FT, 288,5 2336 FI, 289 2300 MBA, 291 0028 ONL, 292 0205 NOV, 292 1500 NKR, 293 0038 OB, 293,5 2148 BL, 295 0950 NB, 296 0205 MG.

## EUNL1999

297	0957	FR	Frankfurt	D	id	mm35
300,5	0955	LW	Koeln/Bonn	D	id	mm35
303,5	0012	BJ	Bjoernsund lt.	NOR	id	mm35
304,5	0237	PS	Point Lynas Lt.	G	ids+dash	nr76+rk5x
304,5	0219	SB	Sumburgh Head Lt.	G	ids+dash	rk50
305,5	2128	FP	Fife Ness Lt.	G	id+dash	nr76
305a	0229	FQ	Unid		ids+dash	maritime rk5x
307	2300	DIK	Diekirch	BEL	id	mm35
307,5	0222	PA	Palma/Son San Juan	E	id	mo76
309	2346	SG	Satenas	S	id	mm35
311	1445	CEL	Celle	D	id	zeTC+mm35
311,5	0010	GD	Girdleness	G	id+dash	zeTC+nr76
314	0959	GIN	Giessen	D	id	pt53+mm35
315	2150	VS	Tampere Pirkkala(tent)	FIN	id	pt53
316	2155	PH	Eindhoven	HOL	id + tone	pt53
317	2349	OKG	Cheb	CZE	id	mm35
318	1842	LE	Luxembourg	LUX	id	zeTC+mm35
318	0000	L	Tallinn	EST	id	mm35
319	2347	N	Unid (TE? T?)	?	id (all 5 sec)	nr76
319	2208	VAR	Stavanger	NOR	id	mm35
320	1001	HA	Hannover	D	id	mm35
321	0248	GV	Granville	F	id+dash	rk5x
323	1916	ONC	Charleroi/Gosselies	BEL	id + tone	pt53
325	1507	DP	Diepholz	D	id+dash	rk50
325	0015	BH	Oskarshamn	S	id	mm35
327	1005	LV	Koeln/Bonn	D	id	mm35
328	0027	TRO	Joday	LBY	id	nr76+rk5x
328	0609	KAM	Ljubljana/Brnik/Dolsko	SVN	id+tone	pt53+mo76
329	2213	KQ	Krupki	BLR	id	mo76
330	0601	ZRA	Zadar	HRV	id	mo76
331	2216	TUR	Tours	F	id+dash	nr76
331	1035	NMN	Mendig	D	id+tone	pt53+mm35
331	0550	L	Satu Mare	ROU	id	mo76
334	0017	MR	Maribor	SVN	id+dash	rk5x
334	1009	HDM	Coleman	D	id	mm35
336,5	2212	NIK	Nicky	BEL	id + tone	pt53
337	2029	ZL	Maastricht	HOL	id	pt53
337	2300	PIA	Piacenza ?	I	id	mm35
338	0108	MNW	Muenchen	D	id	zeTC
338	0301	GE	London/Gatwick	G	id	rk5x
338	1012	RUD	Ruedesheim	D	id	mm35
339	0232	AY	Velikiye Luki	RUS	id	zeTC+mo76
341	1014	LAU	Lichtenau	D	id	mm35
341	1710	POR	Pori	FIN	id	mm35
344	0001	HEK	Heka	FIN	id	mm35
346	0306	LHO	Le Havre	F	id	rk5x
346	0005	GS	Gavie	S	id	mm35
346	1849	WLU	Luxembourg	LUX	id	mm35
347,5	2021	MSK	Oslo/Morskogen	NOR	id	moS
348,5	1450	LG	Liege	BEL	id	mm35
349	0018	JX	Vaxjo	S	id	mm35
349	1018	KSL	Kassel	D	id	mm35
351	2350	OV	Visby	S	id	mm35
351,5	0008	PLA	Pula	?	id	mm35
352	0234	WOD	Woodley	G	id	rk5x
352	1650	RBU	Roros/Rambu	NOR	id	moS
353	0111	KRT	Kartouzy	POL	id	zeTC
353	2135	KIL	Kiel/Holtenau	D	id	zeTC+mo76
354	2001	MTZ	Metz	F	id + tone	pt53
354	0007	PAD	Paderborn	D	id	mm35
355	1025	KNG	Koenig	D	id	mm35
356	0122	SU	Surheim for salzburg	D	id	zeTC
358	0033	ROU	Suceava	ROU	id	nr76
358	1655	AS	Arvidsjaur	S	id	moS
358	1654	GRK	Trondheim/Grakallen	NOR	id	moS
359	0311	LOR	Lorient	F	id+dash	rk5x
360	0124	SR	Saarbruecken-Ensheim	D	id	zeTC
360,5	0010	MAK	Mackel	BEL	id+tone	mm35

## EUNL1999

361	0127	RO	Kauhava	FIN	id	zeTC
361	0012	LIE	Turku	FIN	id	mm35
362	0310	NN	Eskilstuna	S	id	zeTC
363	1030	SCF	Schweinfurt	D	id	mm35
363,5	2300	LXI	Luxeuil	F	id	mm35
364	0012	RSO	Paris-Charles de Gaulle	F	id	mm35
365	1032	LJ	Koeln/Bonn	D	id	mm35
365	0556	VIL	Vilnius	LTU	id	mo76
365,5	0015	BC	Braschaat	BEL	id	mm35
366	0136	MB	Maribo-Lolland	DNK	id	zeTC
366	0016	KM	Kalmar	S	id	mm35
366,5	1725	BER	Bern-Belp	SUI	id	mm35
368	0140	FN	Findal-Skien	NOR	id	zeTC
368,5	1855	ELU	Luxembourg	LUX	id	mm35
369	0313	MNE	Muenchen	D	id	zeTC
370	1040	PSA	Spessart	D	id	mm35
371	2024	BRS	Bremsnes for Kristiansund/Kvernberget	NOR	id	moS
372	0607	SKD	Skadvile	LTU	id	mo76
372	2214	ODR	Otteroy	NOR	id	mm35
373	2252	NW	Maastricht	HOL	id	pt53
374	0321	RNR`E`	Radnor	G	id	rk5x
374	2028	BL	Forde/Bringeland	NOR	id	moS
374,5	1043	SOG	Solling	D	id	mm35
375	2352	RB	Orebro	S	id	mm35
380	0606	KA	Tirana/Rinas	ALB	id	mm35+mo76
381	0049	AB	Akraberg	FAR	id	pt53
381	0017	ESP	Espoo	FIN	id	mm35
382	0329	GAZ	Gazoldo	I	id	rk5x
382	1047	FW	Frankfurt	D	id	mm35
384	0151	TY	Torsby/Fryklanda	S	id	zeTC
384	0249	ADX	Andraitx	E	id	rk50
385	0156	KV	Kilo-Victor Halli	FIN	id	zeTC
385	0603	AVN	Vilnius	LTU	id	mo76
386	0018	EH	Egelsbach	D	id	mm35
387	2143	SOK	Oslo/Gardermoen/Sokna	NOR	id	mo76
388	0018	COR	Corner	S	id	mm35
389	0259	BV	La Palma	CNR	id	rk50
389	0234	PX	Perigeux	F	id+dash	rk50
389	2316	HY	Skive	DNK	id	mm35
390	0034	ITR	Istres	F	id+dash	mm35
392	0524	KOR	Korinthos	GRC	id	zeTC
392	0525	RAN	Ranta	FIN	id	zeTC
392	1015	VUN	Verdun	F	id+dash	mm25+nr76
392	0038	GDY	Mariehamn	FIN	id	mm35
392	1959	RW	Berlin-Tege1	D	id	mm35
392,5	0038	TOP	Turino	I	id	mm35
393	0326	VL	Valladolid	E	id	rk50
393	2221	DEN	Dendermonde	BEL	id + tone	pt53
394	0226	IBZ	Ibiza	E	id	rk50
394	0041	TW	Thisted	DNK	id	mm35
395	0203	GE	Billund	DNK	id	zeTC
396	0216	JC	Rigole1	CAN	id+dash	rk5x
396	0041	HYV	Hyvinka	FIN	id	mm35
397	0208	OP	Dublin	IRL	id	zeTC
397	0209	AA	Aliabad-Tehran	IRN	id + dash	zeTC
398	0215	GL	Gjol/Aalborg	DNK	id	zeTC
398	0042	PEO	Stockholm	S	id	mm35
399	1053	WBD	Wiesbaden	D	id	mm35
399	0045	NGY	New Galloway	G	id	mm35
399,5	2330	ONO	Oostende	BEL	id	mm35
400	0333	MSW	Muenchen	D	id	zeTC
401,5	0710	BET	Rheine-Bentlage	D	id	mm35
403	1059	HAB	Hammelburg	D	id	mm35
403	1809	LPS	Les Eplatures	SUI	id	mm35
404	0532	JAN	Janne-Halli	FIN	id	zeTC
404	0230	LRD	Lerida	E	id	rk5x
404	1755	DA	Torp	NOR	id	mm35
404	1757	LW	Luxembourg	LUX	id	mm35



## EUNL1999

406,5	1501	BOT	Bottrop	D	id	mm35
407a	0259	MIC	Michaelsdorf	D	id	rk50
409	2240	SG	Satenas	S	id	mm35
410	1021	ETN	Etain/Rouvres	F	id+dash	nr76
412	2330	SIG	Sigonella	I	id	mm35
412a	0224	BT	Unid	?	id (7x = 1 min)	zeTC
413	2304	BOA	Bologna	I	id	pt53
413	1500	KTI	Innsbruck	AUT	id	mm35
413,5	1905	DLS	Luebars	D	id	mm35
414	2330	SLB	Oslo	NOR	id	mm35
415	1115	RTB	Roethenbach	D	id	mm35
416	0225	POZ	Belgrade/Pozarevac	YUG	id+dash	rk5x
417	1907	AH	Angelholm	S	id	mm35
417	1116	HDL	Heidelberg	D	id	mm35
418	0226	L	Tallinn-Ulemiste	EST	id	zeTC
419	2200	RD	Vasteras	S	id	mm35
421	2330	MF	Halmstad	S	id	nr76+rk50+mm35
423	2223	FE	Odense	DNK	id	mm35
425	1120	ERT	Erfurt	D	id	mm35
425	1756	WYP	UNID Wipper?	?	id	mm35
426	2330	MIQ	Mike	D	id	mm35
428	2238	TGM	Targu Mures	ROU	id	mm35
429	1915	D	Praha	CZE	id	mm35
429	1124	GBL	Giebelstadt	D	id	mm35
429	2247	LOS	Losinj	CRO	id	mm35
431	0001	SAY	UNID (Stornoway,ed)	G	id	mm35
431	1127	HNU	Hanau	D	id	mm35
434	2200	SL	Leipzig	D	id	mm35
434	1802	THN	Thorn	HOL	id	pt53+mm35
435	0238	SM	Semyenovka	RUS	id	zeTC
435	1129	ZBN	Zweibruecken	D	id	mm35
438	0241	B	Bratislava-Barka	SVK	id	zeTC
440	2303	TRG	Targiviske	BUL	id	mm35
440	2253	PIA	Piacenza	I	id	mm35
450	2306	PDV	Plovdiv	BUL	id	mm35
452	1131	ANS	Ansbach	D	id	mm35
453	1808	CN	Pristany	SVK	id	mm35
468	1134	FTZ	Fritzlar	D	id+tone	mm35
473	1136	FHA	Friedrichshafen	D	id	pt53+mm35
473	0026	LD	Kishinau	MDA	id LD LD - LD LD	mm35
473	2300	RZE	Rzeszov	POL	id	mm35
475	2330	RP	Pernek	SVK	id	mm35
482	2215	LOU	Louvigny/Metz-Nancy	F	id + dash	mm35+pt53
482	1809	SWH	Schwaebisch-Hall	D	id	mm35
484	2300	IA	Brno-Turany	SVK	id+tone	mm35
488	1920	ILM	Illesheim	D	id	mm35
489	1148	SIL	Siegerland	D	id	mm35
490	1810	DVI	Donaueschingen	D	id	mm35
495	2311	PA	UNID	?	id	mm35
513	2300	CLJ	Cluj	ROU	id	mm35
654	2241	MO	UNID (Akmola, KAZ?)	?	id (4x2x=1 min)	dmRU
662	2121	KJ	UNID	?	id (8x=1 min)	dmRU
769a	2245	QU	UNID	?	id (6x=1 min)	dmRU

(a)EU+pt53: your NDB loggings will be in EUNL 3-99)

## F I X E D

2700	1958	FDE14	FAF Contrexeville	F	cw-vvv	a)EU
2720,5	1742	FDE14	AF Contrexeville	F	cw-vvv	pt53
2741	2001		Mossad	ISR	am-vmf 'ULX'	a)EU
2743	1707		Mossad	ISR	am-YL 5 LGS	a)EU
2844	0002		Mossad	ISR	am-vmf 'YHF1'	a)EU
3000a	2245	Many	CIS/Russian AM Chat-Pirates		on 2500a-3200a kHz INFOS?	a)EU
3150	1931		Mossad	ISR	am-vmf 'PCD2'	a)EU
3167	1924	P	RUSNY Kaliningrad	KAL	cw-channelmarker	dmRU
3270	2250		Mossad	ISR	am-vmf 'MIW2'	a)EU
3381	2255	4XML	unid		cw-vvv-mkr to BFR7	a)EU
3687	0828	PA6PCH	Scheveningen R. Farewell Party	HOL	LSB w/ON4BBC,ON5AZ	abNL

## EUNL1999

3699,5	1658	P	Ny Kaliningrad	KAL	cw	hb01
3803	0109		unid Russian	RUS	cw-time mkr: 0409 0409 ...	a1EU
3809	2210	FDG	AF Bordeaux	F	cw-v mkr	pcG
3809	1925	FDG	FAF Bordeaux	F	cw-vvv	a1EU
3886,5	0810	AEM1WF	MARS Unid	D	LSB,E,wkg AEM1ZLB	pt53
3886,5	0810	AEM1ZLB	MARS Unid	D	LSB,E,wkg AEM1WF	pt53
3886,5	0835	AEM1AA	MARS Unid	D	LSB,E,wkg AEM1WF	pt53
4165	1848		Mossad	ISR	am-vmf 'VLB2'	a1EU
4270	2140		Mossad	ISR	am-YL 5 LGS	a1EU
4313	1752	A2A	unid		cw-CQ mkr	a1EU
4325	0019	R	Ny Ustinov	RUS	cw marker	abNL
4360	2145		Mossad	ISR	am-vmf E 'SYN2'	a1EU
4461	2200		Israeli intel.	ISR	AM FTJ + 5LGS	a1EU+abNL
4463	2244		Mossad	ISR	am-YL 5 LGS	a1EU
4485	1355		Czech Lady [S17]	CZE	USB 555 313 etc //5028 khz	abNL
4485	1355		Czech Lady [S17]	CZE	USB 555 313 05 // 5028 khz	abNL
4518	1909	FDI22	FAF Contrexeville	F	cw-vvv	a1EU
4543	2230		Golf kilo [G16]	D	USB 5FG YL/GG	abNL
4546	2210		Russian Man [S07]	RUS	AM 147 147 147 1 3848 45	abNL
4560	2140		English Man [E07]	RUS	AM 915 1 609 64 609 64 5FG	abNL
4560	1903		Mossad	ISR	am-vmf 'YHF'	a1EU
4594	2100	GK	Station Golf Kilo	D	USB Msg for 571 85 groups	abNL
4596	1902	FDI8	FAF Nice	F	cw-vvv	a1EU
4606	2100		Russian Man [S06]	RUS	AM 345 5FG ends 00000	abNL
4613	2206		M12?	RUS	cw in progress single 5FGs	abNL
4665	2153		Mossad	ISR	am-vmf 'KPA2'/2114z 'MIW2'	a1EU
4725,5	1500	MP	Unid usb,E with different		accents wkg a/c,Bosnia-net?	pt53
4755	1819	IEY55	unid Italian Military	I	wkg IEY54, IEY57	a1EU
4755	1819	IEY54	unid Italian Military	I	wkg IEY55	a1EU
4755	1820	IEY57	unid Italian Military	I	wkg IEY55	a1EU
4846	2100	M13A		?	cw695 695 695 000 (R5)=178	abNL
4880	1732		Mossad	ISR	am-vmf E 'ULX2'	a1EU
4884	1248		unid: Polish/Czech ?		usb-OM, Pol/Cz? 5 LGS	a1EU
4910	1613	Bilog 88	unid: Russian Mil. ?	?RUS	usb-R/YL, w/Bilog 01/30/83	a1EU
4950	1818		M01B	?	cw 103 (R4) 523 523 45 45==	abNL
4956	1617	RJF94	unid: Russ. Mil.Aero ?	RUS	cw-wkg RCB, RCH84 w/QSA?	a1EU
4956	1619	RCB	unid	RUS	cw-wkg RJF94, simplex QSA?	a1EU
4956	1622	RCH84	unid	RUS	cw-wkg RJF94, simplex QSA?	a1EU
4965	1908		UNID	RUS?	cw-clg RGG90	dmRU
4965	1607	RGG90	unid	RUS	cw-QSA-tfc, id: 'RGG9T'	a1EU
5027	1718		M10	?	cw in progress 487 26 46 5FGbNL	
5028	1355		Czech Lady [S17]	CZE	USB 555 313 05 42 //4485khz	abNL
5080	1600		English Man [E06]	RUS	AM 105 (R4) 846 109 5FGends	abNL
5080	2130		German Lady [G07]	RUS	AM in progress 5FG 000 000	abNL
5090	0115	FDG	FAF Bordeaux	F	cw-vvv	a1EU
5091	1739		Mossad	ISR	am-vmf 'JSR'	a1EU
5121	2021	JMW9	unid tactical		cw-clg mkr to AQH4	a1EU
5150	2024	VTK	Ny Tuticorin	IND	cw-vvv. New Frequency ??	a1EU
5154	2241	P	Ny Kaliningrad	KAL	cw	abNL
5154	2241	C	Ny Moscow	RUS	cw	abNL
5178	1856		Backwards Music Station I	I		abNL
5200	1230	FDE14	FAF Contrexeville	F	cw-vvv	a1EU
5230	2159		Mossad	ISR	am-vmf 'KPA2'/2006z:'MIW2'	a1EU
5239,5	1537	LUCHE	unid Italian Military		usb-wkg PIOTO	a1EU
5257,5	1610	FDI22	FAF Narbonne	F	cw-vvv	a1EU
5267	1441	2RB	unid NATO Military (Eur.)		usb-wkg J5F, QRM HEP5 5268	a1EU
5268	1855	HEP5	Kantonspolizei Zuerich	SUI	cw-vvv DE HEP5	abNL
5270	1436	ICS	Ny La Spezia	I	usb-clg unid	a1EU
5270	1424		unid Russian, Military		usb-OM/R clg BAIKAL 27,etc	a1EU
5312	1417	NAHX	unid tactical		cw-clg BPX3 w/QLW QSA/QRK?	a1EU
5315	1444		unid Russian, Meteo ?		usb-R wx reports 'PAGODA'	a1EU
5322	2150		Russian Man [S07]	RUS	AM 147 147 147 1 3848 45	abNL
5322	1233	FDG	FAF Bordeaux	F	cw-vvv	a1EU
5337,5	1446	FDG	FAF Bordeaux	F	cw-vvv	a1EU
5342	0900	FDY	AF Orleans	F	cw-vvv mkr	a1EU+pcG
5352	0847	FDI8	FAF Nice	F	cw-vvv	a1EU
5363	2130		Russian Man [S07]	RUS	AM 168 168 168 000	abNL
5365,5	1857	AW3V	unid tactical		cw-wkg VSAY	a1EU

## EUNL1999

5376	2110		German Lady [G07]	RUS	AM 742 742 742 1	achtung973	abNL
5387	2312	FDE14	FAF Contrexeville	F	cw-vvv		alEU
5421	1933		unid 'Number Station'		cw-mkr: 517		alEU
5422	2203		Brit. Intelligence	?G	mm/vmf EE clg 87751		alEU
5423	1926		unid Arab Net		usb		alEU
5427	2210		M12	RUS	cw-946 946 946 1 6328 233 6	abNL	
5435	2205		Mossad	ISR	am-vmf 'ART'		alEU
5446,5	1239	FDC	FAF Metz	F	cw-vvv		alEU
5474	1213	Santa	unid USAF 'Santa Claus Net'		usb-E greets to mni childs		alEU
5520	0830		M03	?	cw 019/00		abNL
5530	2002		unid Mossad ??		am-vmm: QUEEN ROBERT UNION		alEU
5530	2006				am-vmm: NANCY ADAM SUSAN		alEU
5530	1810		Mossad	ISR	am-vmf E 'MIW2', s/off		alEU
5574,9	1304		unid		cw-wx bull 'PROGNOZ', Russ?		alEU
5629	2348		Mossad	ISR	am-vmf 'VLB2'/2119z 'KPA2'		alEU
5645	0104	4XML	unid		cw-vvv mkr to BFR7		alEU
5746	2208		Brit. Intelligence	?G	vmf E/mm to 60708		alEU
5748	2119		unid Number Station		cw-mkr: 269 269 269 TTTTT		alEU
5748	0215	FDG	FAF Bordeaux	F	cw-vvv		alEU
5820	1847	FDG	FAF Bordeaux	F	cw-vvv		alEU
5820	2031		Mossad	ISR	am-vmf 'YHF'		alEU
5822	1803	FDG	FAF Bordeaux	F	cw-vvv		alEU
5834	1758		unid Number Station		vmm Willian Susan Peter		alEU
5860,5	0854	FDE14	FAF Contrexeville	F	cw-vvv		alEU
5873	1451		Russian Air Defence	RUS	cw =991849??T?????		alEU
6745	0624		Mossad	ISR	am-vmf E 'MIW2'		alEU
6770	1307	LED ?	unid: Polish/Czech/etc?		to LUDWIG DORONTA TADE'UZ		alEU
6780	2125		unid Number Station		usb-6 tone mm		alEU
6780	2214		unid Nr Stn, CIA's TCS ?		usb-YL/E 5(3-2) FGS		alEU
6815	0728	ICI	COMPAMARE Roma	I	usb,I/E r/c with ICI03		pt53
6815	0859	ICI01	COMPAMARE Genova	I	usb,I/E clg IHTB/CP-248		pt53
6815	0722	ICI03	COMPAMARE Fiumichino	I	usb,I/E clg ICI 12		pt53
6815	0732	ICI04	COMPAMARE Napoli	I	usb,I/E r/c with ICI 11		pt53
6815	1653	ICI05	COMPAMARE Reggio Calabria	I	usb,I/E wkg Orca 01		pt53
6815	0708	ICI06	COMPAMARE Bari	I	usb,I/E clg Comp.Manfredonia		pt53
6815	0718	ICI09	COMPAMARE Palermo	I	usb,I r/c with NA 1		pt53
6815	0732	ICI11	COMPAMARE Catania	I	usb,I/E r/c with ICI 04		pt53
6815	0706	ICI12	COMPAMARE Palermo	I	usb,I clg ICI 06		pt53
6815	0730	ICI13	COMPAMARE Cagliari	I	usb,I/E clg ICI 02 for r/c		pt53
6815	0738	NA1	NAGC Catania-Fontanarossa	I	usb,I,clg ICI 03		pt53
6815	1601	NA2	NAGC Luni-Sarzana	I	usb,I, clg Orca 01		pt53
6815	0932		Compamare Rimini	I	usb,I wkg ICI		pt53
6815	0945		Compamare Mazaro	I	usb,I wkg ICI		pt53
6825	1543	FAV22	Army Mont-Valerien	F	cw-vvv DE FAV22		abNL
6835	1258		unid Italian Military	I	LSB-'passo' msgs YL to OM		alEU
6836	1304	FDG	FAF Bordeaux	F	cw-vvv		alEU
6838	2144	FDE14	FAF Contrexeville	F	cw-vvv		alEU
6840	1933		Mossad	ISR	am-vmf 'EZI'		alEU
6871	1546	HEP7	Kantonspolizei Zuerich	SUI	cw-vvv DE HEP7		abNL
6875	2243	FDI22	FAF Narbonne	F	cw-vvv		alEU
6880	1909	TAVOLA 2	unid Ital. Navy Vessel	IW	usb-wkg Delfino		alEU
6880	1909	DELFINO	unid Ital. Navy		wkg Tavola 2		alEU
6880	1910	DORIA	unid Ital. Navy		wkg Tavola 2		alEU
6880	1912	TAVOLA 4	unid Ital. Navy Vessel	IW	wkg Tavola 2		alEU
6880	1931	TAVOLA 3	unid Ital. Navy Vessel	IW	wkg DORIA		alEU
6953	2142	FDY	FAF Orleans	F	cw-vvv		alEU
6959	2004		Brit. Intell	?G	usb:E vmf/mm to 59683		alEU
6968	1902		unid Number Station		6 tone mm/into CW/l8r RTTY		alEU
6981,5	1600		M13	?	cw 926 5FG ends 000		abNL
7039	1734	C	Ny Moscow	RUS	cw		abNL+hb01
7335,5	1501	FDC	FAF Metz	F	cw-vvv		alEU
7811	1748		Mossad	ISR	am-vmf E 'CIO2'		alEU
8030	1500		English Man [E06]	RUS	AM 924 (R4) 605 81 5FG ends		abNL
8170	1333		English Man [E06]	RUS	AM in progress Ends w/00000		abNL
8188	1202		Swedish Rhapsody [E23]	?	USB in progress		abNL
8300	1500		New Star BC station	TWN	AM Numbers after flute tune		abNL
8437	2317	4XZ	Ny Haifa	ISR	cw-vvv marker		abNL
8495	0020	C	Ny Moscow	RUS	cw		abNL

## EUNL1999

9186	0907	HEP9	Kantonspolizei Zuerich	SUI	cw	hb01
9725	1440		New Star BC station	TWN	AM Numbers in progress	abNL
10046	1447	4XZ	Ny Haifa	ISR	cw-vvv marker	dbCE+abNL
10125	2049		Mossad	ISR	am-vmf E 'CIO2'	a1EU
10144	1130	DK0WCY	DARC Aurora Beacon	D	USB	abNL
10248	1941	8BY	F Intelligence	F	cw-mkr de 8by vvv de 8by	ewAU
10302,5	1042	REA4	unid Russian Nr. Stn	RUS	cw-5 LGS, end: =REA4	a1EU
10420	1420	FDI8	AF Nice	F	cw-vvv marker	abNL
10570	1525		M12?	?	cw-in progress, single 5FGs	abNL
10648	1800		Israeli intel	ISR	AM YHF + 5LG	abNL
10871,8	1434	P	Marker Kaliningrad	KAL	cw	abNL
10871,9	1434	S	Marker Arkhangelsk	RUS	cw	abNL
10872	1434	C	Marker Moscow	RUS	cw	abNL
10872	1005	P	SLB Kaliningrad	KAL	cw	abNL+hb01
10872	1009	S	SLB Archangelsk	RUS	cw	abNL+hb01
10872	1005	C	SLB Moscow	RUS	cw	abNL+hb01
11270	0820		Russian Man [S25]	RUS	AM 615 615 615 64446 66046	abNL
13528	1428	C	Ny Moscow	RUS	cw	hb01
13528	1426	S	Ny Archangelsk	RUS	cw	hb01
13545,2	1425	PCW1	MFA Den Haag	HOL	cw/SIT	hb01
13907	1230		unid	?	AM numbers	dbCE
14402	1803	AA9PP	MARS Unid	?	usb,E,wkg AEM1WNL	pt53
14402	1803	AEM1WNL	MARS Unid	D	usb,E,wkg AA9PP	pt53
14402	1730	AAR1HG	MARS Unid in ME	USA	usb,E,wkg AAR3CB	pt53
14402	1730	AAR3CB	MARS Shohola, PA	USA	usb,E,wkg AAR1HG	pt53
14402	1737	AAR4CSS	MARS Silver Springs, FL	USA	usb,E,wkg AAR1HG	pt53
14402	1616	AAR1HG	MARS, ME	USA	usb,E wkg AAR3CB	pt53
14402	1616	AAR3CB	MARS Shohola, PA	USA	usb,E wkg AAR1HG	pt53
14402	1627	AEM1WF	MARS	D	usb,E wkg AAR3CB	pt53
14487	1600		Lincolnshire Poacher	CYP	USB Id 39164	abNL
14487	1300		Lincolnshire Poacher	CYP	USB Id 97324	abNL
14667	1217	DINO	unid Spanish		usb-clg ELEPHANT	a1EU
14890	0815		Russian Man [S25]	RUS	AM 615 615 615 64446 64446	abNL
14931	1158	8BY	INTEL	F	cw-vvv	pt53
16086	1100		Counting Station	?	USB Id 010	abNL
16249,9	1125		Unid	?	cw-mkr 5ltr Grps T as Zero	ewAU
16329	0953	AL4	unid		usb-OM/E clg ZULU VICTOR	a1EU
16332	1129	S	Ny Archangelsk	RUS	cw	hb01
16332	1126	C	Ny Moscow	RUS	cw	hb01
17410	1111		Mossad	ISR	am-YL 5 LGS	a1EU
22108	1300		Cherry Ripe	GUM	USB id 79161	abNL
23461	1108		Cherry Ripe	GUM	USB in progress vy clearly!	abNL

## M A R I T I M E

1641	2036	OXJ	Torshavn R.	FAR	usb,E,nav. warning	a1EU+pt53
1641	2110	GNI	Niton R.	G	Gale warn	a1EU
1665	1649	LGT	Tjome R.	NOR	usb,E/norw.,gale-warning	pt53
1665	1726	OSU	Oostende R.	BEL	usb,E,tfc	a1EU+pt53
1677	1836	EAS	Cabo Penas R.	E	Sp bull.	a1EU
1680	1834	LGL	Florö R.	NOR	usb,E/norw., nav. warning	pt53
1689	0006	EAL	Las Palmas R.	CNR	usb-E nav/warn	a1EU
1707	2235		Machichaco Radio	E	Sp/E PAN PAN	a1EU
1728	1836	LGN	Bergen R.	NOR	tfc	pt53+a1EU
1734	1705	OXZ	Lyngby R.	DNK	usb,E,tfc-list	pt53
1755	1636	EAO	Palma de Mallorca R.	E	Sp bull.	a1EU
1758	2035	OXJ	Torshavn R.	FAR	usb,E,nav. warning	a1EU+pt53
1758	1907	OXZ	Lyngby R.	DNK	E nav/warn	a1EU
1782	1605	LFO	Orlandet R.	NOR	usb,E/Norw.,gale-warning	pt53
1785	1640	LGZ	Farsund R.	NOR	usb,E clg C6NK6	a1EU+pt53
1792	1950	7TA	Algiers R.	ALG	wkg unid, QSX 2049	a1EU
1794	1836	SPO	Szczecin R.	POL	usb,E,tfc-list,id	pt53
1852	2044	IPP	Palermo R.	I	I nav/warn, //2632	a1EU
1855	2139	IQP	San Benedetto Tronto R.	I	nav/warn of Trieste //2624	a1EU
1856	2058	HZH	Jeddah R.	ARS	wkg HP9255, QSX 2286	a1EU
1869	2153	GKZ	Humber R.	G	Gale/warn	a1EU
1876	1640	IQN	Lampedusa R.	I	I bull., //2600	a1EU
1883	1803	GPK	Portpatrick R.	G	usb,E,nav. warning	pt53

## EUNL1999

1888	2114	IPD	Civitavecchia R.	I	wkg MV Faminia, QSX 2222	a1EU
1906	1834	FFM	Marseille R.	F	usb,F,wx // 2649, 3792	pt53
1925	1638	IPL	Livorno R.	I	I bull., //2642	a1EU
1925	1811	GKZ	Humber R.	G	wkg J8FZ4, QSX 2105	a1EU
2002	1928	MFZG9	M/V St.Thomas	IW	wkg Humber	a1EU
2023	2026	IBMX	M/V .Cabo Argentio	IW	wkg Ancona	a1EU
2040	1854	IBVO	M/V Espresso Venezia	IW	wkg Ancona	a1EU
2040	2033	IBSD	M/V Egitto Express	IW	wkg Ancona	a1EU
2045	1918	J8TJ3	M/V Giovanna	IW	wkg Crotone	a1EU
2048	2107	ICOC	M/V Clodia	IW	wkg Genova	a1EU
2090	2111	C6IX5	M/V Saga City	IW	wkg Oostende	a1EU
2096	2120	J8UG2	M/V Lady Laura	IW	wkg Farsund R., QSX 1671	a1EU
2105	1810	J8FZ4	M/V Marja	IW	wkg Humber R., QSX 1925	a1EU
2182	1704	7TA	Alger R.	ALG	usb,E/F,QSY 1792	pt53
2182	1902	LZW	Varna R.	BUL	usb,E,QSY 3740	pt53
2182	1704	EAO	Palma R.	E	usb,E/S QSY 1755	a1EU+pt53
2182	1734	EAR	La Coruna R.	E	usb,E/S,id,QSY 1698	pt53
2182	2338	EAC	Tarifa R.	E	wkg ICGA	nr76
2182	1705		Cross Corssen	F	usb,F,QSY	pt53
2182	2006		Cross Med	F	usb,F,QSY	pt53
2182	2350	EAL	Las Palmas R.	CNR	usb,S/E,ID QSY 1689	a1EU+pt53
2182	2351		Arrecife R.	CNR	usb,S/E,ID QSY 1644	pt53
2182	0107	OXZ	Lyngby R.	DNK	usb,E,QSY 1734,1704,1758	pt53
2182	2003		Cabo de Gata R.	E	usb,E/S QSY 1767	pt53
2182	1735		Machichaco R.	E	usb,E/S QSY 1707	a1EU+pt53
2182	2004	EAL	Tarifa R.	E	usb,E/S,QSY 1704	pt53
2182	1706	EAS	Cabo Penas R.	E	usb,E/S ID,QSY 1677	pt53
2182	1833	FFM	Marseille R.	F	usb,F,QSY	a1EU+pt53
2182	1933	FFU	Brest-le-Conquet R.	F	usb,F/E,QSY 3722	pt53
2182	2034	OXJ	Torshavn R.	FAR	usb,E QSY 1758, 1641	pt53
2182	1932	OFK	Turku R.	FNL	usb,E,QSY	pt53
2182	1933	GKZ	Humber R.	G	usb,E,QSY 1869	pt53
2182	0256		Holyhead CG	G	usb,E,tfc,QSY 2596	pt53
2182	1943	PBK	Netherlands CG	HOL	usb,E,ID,QSY 3673	pt53
2182	1845	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,clg Vessel Abibe	pt53
2182	1736	IQX	Trieste R.	I	usb,E/I,QSY 1865,2624,2656	pt53
2182	2033	EJM	Malin Head R.	IRL	usb,E,QSY 1677	a1EU+pt53
2182	1703	LFO	Orlandet R.	NOR	usb,E/Norw.,QSY 1782	a1EU+pt53
2182	2003	LGN	Bergen R.	NOR	usb,E/norw.,QSY 1728	a1EU+pt53
2182	1648	LGT	Tjome R.	NOR	usb,E,IDs,QSY 1665	pt53
2182	2133	LGZ	Farsund R.	NOR	usb,E/norw. QSY 1785	pt53
2182	2133	SPH	Gdynia R.	POL	usb,E/POL,ID,QSY 1692	pt53
2182	1936	SDJ	Stockholm R.	S	usb,E,QSY	pt53
2182	1733	GKZ	Humber R.	G	usb,E,QSY 1869	pt53
2182	2104	GLD	Land's End R.	G	usb,E,QSY 2670	pt53
2182	1803	GPK	Portpatrick R.	G	usb,E,QSY 1883	pt53
2182	2020		Aberdeen CG	G	usb,E,QSY 2226	pt53
2182	1703		Thames CG	G	usb,E,r/cwith Comsac Alpha	pt53
2182	1605		Stornoway CG	G	usb,E,clg UNID vessel	pt53
2182	1637	ICB	Genova R.	I	usb,E/I,QSY 2642, 1925	pt53
2182	1740	IQX	Trieste R.	I	usb,E/I,QSY 1865,2624,2656	pt53
2182	2103	EJK	Valentia R.	IRL	usb,E,QSY 1752	pt53
2182	1834	LGL	Floroe R.	NOR	usb,E/norw.,QSY 1680	pt53
2182	1733	SPH	Gdynia R.	POL	usb,E/POL,id,QSY 1692	a1EU+pt53
2182	2005	SPN	Witowo R.	POL	usb,E/Poln. no tfc`	pt53
2182	2311	SPO	Szczecin R.	POL	usb,E/Pol. QSY 1794	pt53
2182	1935	SDJ	Stockholm R.	S	usb,E,QSY	pt53
2182	1807	EAF	Finistere R.	E	clg unid vessel	a1EU
2182	2110	OSU	Oostende R.	BEL	wkg C6IX5	a1EU
2182	1009	7TPC	M/V Djebel Refaa	IW	clg Algier R.	a1EU
2182	1755	MPFN7	M/V Solstice	IW	clg unid	a1EU
2182	2023	SVVI	M/V Nicolas A	IW	clg unid Radio	a1EU
2182	1843	7TAH	M/V Timimoun	ALG	clg Algier	a1EU
2222	1729	ICZE	M/V Palladio	IW	wkg Bari	a1EU

## EUNL1999

2222	1901	9HDI3	M/V Lady Nada	IW	wkg Cagliari	a1EU
2222	2113	Ixxx	M/V Flaminia	IW	wkg Civitavecchia, QSX 1888	a1EU
2226	2021		Aberdeen CG	G	usb,E,wx	pt53
2226	2152		Falmouth CG	G	usb,E,wx	pt53
2226	2109		Humber CG	G	usb,E,wx	pt53
2226	2150		Falmouth Coastguard	G	usb,E,wx	pt53
2231	1724		Thames CG	G	usb,E,r/c w/ Comsec Alpha	pt53
2256	1829	IBSD	M/V Egitto Express	IW	wkg Crotone	a1EU
2285,5	1757	IDR	Ny Rome	I	wkg F9V	a1EU
2286	2059	HP9255	M/V Tag al Salam	IW	wkg Jeddah R., QSX 1856	a1EU
2298,5	2104		German Vessels	IW	Legal German Inter-Ship Fq	a1EU
2306	1822	GDJX	M/V Grampian Otter	IW	wkg Grampian Hunter	a1EU
2306	1822	MPPH5	M/V Grampian Hunter	IW	wkg Grampian Otter	a1EU
2306	1819	GCLH	M/V Grampian Venture..	IW	wkg Grampian Arkedis?	a1EU
2306	1819	....	M/V Grampian Arkedis?.	IW	wkg Grampian Venture	a1EU
2524	2129	MYEB6	M/V Replenish	IW	wkg Wick R., QSX 2705	a1EU
2566	2039	....	M/V Viking Victor	IW	wkg Stonehavn, QSX 1946	a1EU
2586	1737	OXZ	Lyngby R.	DNK	usb,E,nav. warnings,id	pt53
2586	1944	OXZ	Lyngby R.	DNK	usb,E,tfc	pt53
2591	1917	IPL	Livorno R.	I	wkg unid vessel	a1EU
2596	0258		Holyhead CG	G	usb,E,tfc	pt53
2600	1642	IQO	Mazara del Vallo R.	I	I bull., //1876	a1EU
2624	2238	IQX	Trieste R.	I	E nav/warn	a1EU
2628	1938	IQA	Augusta R.	I	I wx, //2789	a1EU
2632	1045	IQH	Napoli R.	I	I nav/warn, //1852	a1EU
2642	0346	ICB	Genova R.	I	I nav/warn	a1EU
2649	2233	FFM	Marseille R.	F	usb,F,wx	a1EU+pt53
2656	2139	IPA	Ancona R.	I	I nav/warn	a1EU
2663	2039	IPC	Crotone R.	I	I nav/warn, //2579	a1EU
2670	0239	GLD	Land's End R.	G	usb,E,tfc-list	pt53
2680	0431	4XZ	Ny Haifa	ISR	CW v-mkr	a1EU
2680	1905	IDC	Cagliari R.	I	wkg 9HDI3, QSX 3188	a1EU
2691	2151	GND	Stonehavn R.	G	Gale/warn	a1EU
2719	2150	GCC	Cullercoats R.	G	Gale/warn	a1EU
2719	2206	IZN	Porto Torres R.	I	wkg ICOC, QSX 2048	a1EU
2768	2208	SAE	Tingstade R.	S	E wx	a1EU
2789	1939	IDF	Messina R.	I	I wx, //2628	a1EU
2824	0435	PCG	Scheveningen R.	HOL	'QRT'-vmm Dutch/E	a1EU
2830	2134	SVK	Kerkyra R.	GRC	usb,gr./E, wx	pt53
3261	1843	IOGU	unid Italian Vessel	IW	w/Mazara d/Vallo, QSX 2600	a1EU
3631	2135	LGN	Bergen R.	NOR	E Gal/warn	a1EU
3673	1946	PBK	Netherlands CG	HOL	usb,E,gale-warning	a1EU+pt53
3678	2244	SXA32	Ny Kriti	GRC	cw-vvv	pt53
3740	1903	LZW	Varna R.	BUL	usb,E,wx	pt53
3792	1835	FFM	Marseille R.	F	usb,F,wx // 1906, 2649	pt53
4187,5	1757	TBA	Ny Ankara	TUR	cw-vvv TBJ de TBA 5/7	a1EU
4241,5	2127	4XZ	Ny Haifa	ISR	cw-vvv	pt53
4241,5	2128	LGW	Rogaland R.	NOR	cw-cq	pt53
4250	1554	PCH20/41	Scheveningen R. Farewell	HOL	Party Party HOL cw Msg `CQ PCH20/41	a1EU+abNL
farewell radio amateurday call 14050 listen 127795 or call 18085 and listen						
17198.9 kHz`						
4253	0042	TAH	Istanbul R.	TUR	cw CQ	abNL
4262	2138	LFI	Rogaland R.	NOR	cw-id & digital idles	a1EU
4266	1700	RUF9	unid Russian	RUS	cq-mkr	a1EU
4273	1920	SAA	Karlskrona R.	S	cw-cq mkr	pcG
4274	0035	GKB2	Portishead R.	G	cw QSX	abNL
4283	2156	XSV	Tianjin R.	CHN	cw-qrz, de	dmRU
4284,5	2014	TAVOLA 2	unid Ital. Navy Vessel	IW	usb-wkg Tavola 4	a1EU
4284,5	2341	IGEF	Ital. Navy Vessel	IW	usb-wkg Tavola 5	a1EU
4284,5	2341	WU	Ital. Navy Vessel	IW	usb-wkg EF	a1EU
4303	0032	OXB	Lyngby R.	DNK	cw Tfc list	abNL
4320	0030	IAR	Roma R.	I	cw-vvv marker	dmRU+abNL
4343	2011	RLK7	Archangelsk R. ?	RUS	cw-mkr fr 4LY	a1EU
4346	0019	9AR	Rijeka R.	HRV	cw-vvv marker	abNL
4350	2149	TBB	Ny Ankara	TUR	cw-tbdj	dmRU
4363	1720	3AC4	Monaco R.	MCO	usb,F,phone-patch,id	pt53
4378	1802	EQN	Bandar 'Khomeini' R.	IRN	w/Iran'arbad & Iran'Nakin?	a1EU
6315	1025	ZLA	Awanui R.	NZL	cw-mkr	ewAU

## EUNL1999

6315,5	1027	KFS	Palo Alto R.	USA	cw-mkr	ewAU
6316	1030	NMN	USCG Portsmouth	USA	cw-mkr	ewAU
6316,5	1031	KHF	Guam R.	GUM	cw-mkr	ewAU
6317	1032	WLO	Mobile R.	USA	cw-mkr	ewAU
6318	1033	KLB	Seattle R.	USA	cw-mkr	ewAU
6318,5	1034	OXZ	Lyngby R.	DNK	cw-mkr	ewAU
6319	1042	WLO	Mobile R.	USA	cw-mkr	ewAU
6320	1046	KPH	San Francisco R.	USA	cw-mkr	ewAU
6320,5	1047	9VG	Singapore R.	SNG	cw-mkr	ewAU
6322,5	1048	VRX	Hong Kong R.	CHN	cw-mkr	ewAU
6323,5	1049	NMN	USCG Point Reyes	USA	cw-mkr	ewAU
6324	1051	WCC	Chatham R.	USA	cw-mkr	ewAU
6326	1052	KEJ	Hawaii R.	HWI	cw-mkr	ewAU
6327	1055	WNU	Slidell R.	USA	cw-mkr	ewAU
6329,5	1103	VCT	Tors Cove R.	CAN	cw-mkr	ewAU
6334	1123	WCC	Chatham R.	USA	cw-mkr	ewAU
6339,8	1128	ZLO	Waiouru R.	NZL	cw-mkr	ewAU
6369	1455	UFJ	Rostov R.	RUS	cw-short cq call	pcG
6376	1144	WCC	Chatham R.	USA	cw-mkr	ewAU
6379	1715	4XZ	Ny Haifa	ISR	cw-vvv only	pt53
6380	0903	UCW	St. Petersburg R.	RUS	cw-cq + qtc list	pcG
6386,5	2030	ZSJ3	Ny Capetown	AFS	cw-cq mkr	pcG
6400	1600	UON	Baku R.	AZE	cw-vvv	nr76
6467	1934	LFI	Rogaland R.	NOR	cw-lfi + sitor	dmRU
6470	2254	SXA24	Ny Spata Attikis	GRC	cw-vvv	dmRU+pt53
6502	2145	TBB	Ny Ankara	TUR	cw-tbdj	dmRU
8294	2237	WHU959	MARICOM Foley	USA	usb,E,tfc,id	pt53
8368	1446	V3SX	Unid vessel	IW	cw clg UAT - Moscow R.	abNL
8418	2307	LSD836	Argentina R.	ARG	cw-Marker	abNL
8421	2017	A7D	Doha R.	QAT	cw-A7D TLX 4690	abNL
8424,5	2305	VRX34	Hong Kong R.	CHN	cw-Marker	abNL
8427,5	2259	A9M	Bahrain R.	BHR	cw-Marker	abNL
8428	2301	SAB424	Goteborg R.	S	cw-Marker	abNL
8428,5	2258	PCH46	Scheveningen R.	HOL	cw-Marker	abNL
8429,5	0548	NMO	USCG Honolulu	HWI	cw-nmo + sitor, vy weak	dmRU
8430	2257	9VG39	Singapore R.	SNG	cw-Marker	abNL
8432,5	2256	A9M	Bahrain R.	BHR	cw-Marker	abNL
8434,5	2016	TAH	Istanbul R.	TUR	cw, tah + SITOR	pt53
8435,5	2253	LPD	General Pacheco R.	ARG	cw-Marker	abNL
8435,5	2253	OST40	Oostende R.	BEL	cw-Marker	abNL
8448	2318	A9M	Bahrain R.	BHR	cw-cq	abNL
8451	0554	UBF2	St.Petersburg R.	RUS	cw-wkg unid ship	dmRU
8454	2021	A9M	Bahrain R.	BHR	cw-Marker	abNL
8455	2202	UVA	Gelelnzhic R.	UKR	cw-mkr	ewAU
8459	0723	LSD836	Argentina R.	ARG	cw, lsd 836 + SITOR	abNL+pt53
8461	1325	PKR	Semarang R.	INS	cw-cq mkr `qsx ch 3/9`	pcG
8473,5	2319	A7D	Doha R.	QAT	cw DE A7D	abNL
8475	1515	UBA	UNID	?	cw-`ubvx de uba` + other tfcpcG	pcG
8476	1900	9VG56	Singapore R.	SNG	cw-cq mkr	pcG
8486	0058	XSG	Shanghai R.	CHN	cw-cq	abNL
8490	1600	AQP	Ny Karachi	PAK	cw-vvv mkr	pcG
8496	0104	CLA20	Habana R.	CUB	cw-cq	abNL
8502	0019	XSG	Shanghai R.	CHN	cw-cq	abNL
8505	0901	UCW	St. Petersburg R.	RUS	cw-cq + qtc list	pcG
8506	2336	XSX	Keelung R.	TWN	cw-cq	dmRU
8510	1550	J2A8	Djibuti R.	DJI	cw-cq mkr	pcG
8511	0025	XSW2	Taichung R.	TWN	cw-cq	dmRU+abNL
8514	0014	XSQ	Guangzou R.	CHN	cw-cq	abNL
8515	0011	5AT	Tripoli R.	LBY	cw-vvv marker	abNL
8530	1015	UJE	Nichnij-Novgorod R.	RUS	cw	hb01
8532	2322	LZW49	Varna R.	BUL	cw DE LZW49	hb01+abNL
8539	1558	VRX	Hong Kong R.	CHN	cw-cq mkr	pcG
8541	2323	A9M	Bahrain R.	BHR	ARQ 100 w/unid vessel	abNL
8542	1655	PKX	Jakarta R.	INS	cq mkr	pcG
8543	2327	VRX37	Hong Kong R.	CHN	cw-cq	abNL
8549	2329	UCE	Arkhangelsk R.	RUS	ARQ 100 w/unid vessel	abNL
8554	1630	3BM	Mauritius R.	MAU	cw-cq+qtc nil 0830+1630daily	pcG
8555	2331	TBB7	Ny Ankara	TUR	cw Marker	abNL

## EUNL1999

8557	1005	SPE41	Szczecin R.	POL	cw/SIT	hb01
8559,5	1003	GKB4	Portishead R.	G	cw	hb01
8565	1932	D3E51	Luanda R.	AGL	cw-mkr	ewAU
8570	0900	RUA8	Petrozavodsk R.	RUS	cw-fast cq + qtc	pcG
8571	1701	JNA	Tokyo R.	J	cw-cq mkr	pcG
8571	0959	UFN	Novorossijsk R.	RUS	cw	hb01
8574	0956	LGB	Rogaland R.	NOR	cw	hb01
8577	1643	HLO	Seoul R.	KOR	cw-cq mkr	pcG
8580	0750	RKLM	Arkhangelsk R.	RUS	cw-cq call - manual	pcG
8582	2358	XSN	Ningbo R.	CHN	cw-cq	mRU+abNL+hb31
8585	1610	UFL	Vladivostok R.	RUS	cw-cq de ufl/uik qss	ewAU+pcG
8598	0953	OXZ4	Lynby R.	DNK	cw	hb01
8604,5	1310	DZJ	Manila-Bulacan R.	PHL	cw-cq mkr	pcG
8605	2334	UIW	Kaliningrad R.	KAL	cw w/unid vessel	abNL
8610	0950	UCE	Archangelsk R.	RUS	cw	dmRU+hb01
8618	1715	KPH	San Francisco R.	USA	cw-cq mkr	pcG
8621,3	0129	PCH41	Scheveningen R.	HOL	cw-clg CQ, QSX 7025 kHz	aLEU
8622	0819	PCH41	Scheveningen R.	HOL	cw marker DE PCH41 8	Khb01+abNL
8624	2336	XSQ	Guangzhou R.	CHN	cw-cq	abNL
8632	2010	XSW	Kaohsiung R.	TWN	cw-cq de xsw	abNL+pt53
8634	1925	VTG	Ny Bombay	IND	cw-mkr,wx forecast	abNL+ewAU
8634	2234	PPR	Rio de Janeiro R.	B	cw-vvv marker	abNL
8636	1805	HLW	Seoul R.	KOR	cw-cq mkr	pcG
8646	2348	VTP6	Ny Vishakapatnam	IND	cw-vvv marker	abNL
8650	1921	SPB42	Szczecin R.	POL	cw-mkr	ewAU
8655	2352	UIA3	Nakhoda R.	RUS	cw-vvv marker	abNL
8661	2320	XSQ	Guangzhou R.	CHN	cw-cq	dmRU
8661	2353	IAR38	Roma R.	I	cw-vvv marker	abNL
8662	0420	TAH	Istanbul R.	TUR	cw	dbCE
8665	0049	XSG3	Shanghai R.	CHN	cw-cq	abNL
8670	2310	IAR8	Roma R.	I	cw-vvv de iar	abNL+ewAU+pt53
8682	1916	EAD	Madrid R.	E	cw-mkr	pt53+abNL+hb01+ewAU
8682,5	0415	LFI	Rogaland R.	NOR	cw - id + sitor	hb01+dbCE
8685	2358	IRM	Roma Medico R.	I	cw-vvv marker	pt53+hb01+abNL
8686	1047	PKF	Makassar R.	INS	cw-mkr	ewAU
8686	0913	CNP	Casablanca R.	MRC	cw-cq qsx	pcG+pt53
8688,5	2146	ZSC6	Capetown R.	AFS	cw-cq qsx	pt53
8690	1800	JFX	Kagoshima Fishery R.	J	cw-handkeyed cq	aLEU
8698	0047	9MG2	Penang R.	MLA	cw-cq	abNL
8698	2052	7TF6	Boufarik R.	ALG	cw-cq qsx	hb01+pt53
8700	0000	9AR	Rijeka R.	HRV	cw Tfc list	dbCE+hb01+abNL
8706	2142	JOS	Nagasaki R.	J	cw-cq	pt53
8734	0001	SVN42	Athens R.	GRC	usb,Gr.,id, msgs	pt53
8737	2002	5BA	Cyprus R.	CYP	usb,E/Greek,id, tape	abNL+pt53
8776	0002	SVN48	Athen R.	GRC	usb,Gr.,id, msgs	pt53
8806	0720	3AC	Monaco R.	MCO	usb,E,wx, tfc,id	pt53
12580	1953	GKE5	Portishead R.	G	cw-Marker	hb01+abNL
12581,5	1952	WLO	Mobile R.	USA	cw-Marker	abNL
12583,5	0916	UUI	Odessa R.	UKR	cw/SIT	hb01
12587	0914	LZW	Varna R.	BUL	cw	hb01
12588	0912	HEC13	Bern R.	SUI	cw/SIT	hb01
12590	0911	EAD	Madrid R.	E	cw/SIT	hb01
12593	0904	ESA	Tallinn R.	EST	cw/SIT	hb01
12602,5	1048	IAR	Roma R.	I	cw/SIT	hb01
12603,4	1047	IVS	Unid	?	cw	hb01
12607	1042	GKQ5	Portishead R.	G	cw/SIT	hb01
12610,5	2002	VCT	Tors Cove R.	CAN	cw-Marker	abNL
12615,5	2004	8PO	Barbados R.	BRB	cw-Marker	abNL
12634,5	1035	TAH	Istanbul R.	TUR	cw/SIT	hb01
12639,5	1034	OST50	Oostende R.	BEL	cw/SIT	hb01
12654	1031	TAH	Istanbul R.	TUR	cw/SIT	hb01
12662	1030	7TF8	Boufarik R.	ALG	cw	ewAU+hb01
12681	1933	8PO	Barbados R.	BRB	cw-Marker (not listed here)	abNL
12682,5	1230	PKF	Ujungpandang R.	INS	cw-weak cq mkr	pcG
12690	1415	UIW	Kaliningrad R.	KAL	cw-w/unid vessel	abNL
12695,5	1045	CNP	Casablanca R.	MRC	cw-cq mkr	pcG
12695,5	1235	XSX	Chi-lung R.	TWN	cw-cq mkr	pcG
12695,5	1655	KFS	San Francisco R.	USA	cw-cq mkr	pcG



## EUNL1999

12709	1011	A9M	Hamala R.	BHR	cw	hb01
12719,8	0917	ZLO5	Auckland RNZN	NZL	cw-de zlo zay ala mkr	pcG
12721	1007	SPH61	Gdynia R.	POL	cw	hb01
12727,5	1417	LGJ	Rogaland R.	NOR	cw-cq	hb01+abNL
12727,9	1113	XSW	Kaohsiung R.	TWN	cw-mkr	ewAU
12735	1633	URL	Sevastopol R.	UKR	cw-cq de url,tfc	pt53
12738	1924	PPR	Rio de Janeiro R.	B	cw-vvv marker	abNL
12748	1418	IRM	Roma Medico R.	I	cw-vvv marker	hb01+abNL
12765	0905	UCW	St. Petersburg R.	RUS	cw-cq + qtc list	pcG
12780	0018	D3E51/61	Luanda R.	AGL	cw	dbCE
12780,5	0947	9AR	Rijeka R.	HRV	cw	abNL+hb01
12799,5	0607	PCH51	Scheveningen R.	HOL	cw-'Farewell'-mkr	hb01+a1EU
12801	1421	TAH	Istanbul R.	TUR	cw-cq	hb01+abNL
12831	1634	3BM	Mauritius R.	MAU	cw-cq weak /8554 stronger	pcG
12835,4	0015	GKB	Portishead R.	G	cw	hb01+dbCE
12840	1125	VTP	Ny Vishakhapatnam	IND	cw-mkr	ewAU
12843	1026	HLO	Seoul R.	KOR	cw-cq qsx	pt53
12856	1352	XSG	Shanghai R.	CHN	cw	hb01+dbCE
12887,5	0919	EAD44	Madrid R.	E	cw	hb01
12906	1220	DZJ	Manila-Bulacan R.	PHL	cw-cq mkr	pcG
12916,5	0936	HLF	Seoul R.	KOR	cw-mkr	ewAU
12939	1355	SPE	Szczecin R.	POL	cw	dbCE
12940	1422	LZW	Varna R.	BUL	cw-de LZW	dbCE+abNL
12942	1426	RKLM	Arkhangelsk Fish. R.	RUS	cw-Msgs to various vessels	abNL
12969	1129	XSV	Tianjin R.	CHN	cw-cq pse up 443	pcG+pt53
12970	1400	SUH	Alexandria R.	EGY	cw-cq mkr	pt53+pcG
12970,5	1150	PKX	Jakarta R.	INS	cw-cq mkr	pt53+pcG
12984	1453	4XZ	Ny Haifa	ISR	cw	hb01
12988,5	1005	PPO	Olinda R.	B	cw-vvv mkr	pcG
13000	0950	UBE2	Petropavlovsk R.	RUS	cw-mkr	ewAU
13011	1158	AQP	Ny Karachi	PAK	cw-vvv mkr	pcG
13011	1429	IAR23	Roma R.	I	cw-vvv marker	abNL
13015,5	1448	IAR	Roma R.	I	cw	hb01
13020,4	0924	VRX	Hong Kong R.	CHN	cw-cq mkr	pcG
13022	1446	SPE63	Szczecin R.	POL	cw/SIT	hb01
13044	0858	VRX61	Hongkong R.	CHN	cw-cq	pt53
13062	2156	CLA	Havana R.	CUB	cw-mkr	ewAU
13083	1648	CUL	Lisboa R.	POR	usb,P,tfc,ids	pt53
13098	1526	5BA	Cyprus R.	CYP	usb,E/Greek,id, tape	pt53
13101	1527	A9M	Bahrain R.	BHR	usb,E,phone-patch,id	pt53
13191	1208	LZW	Varna R.	BUL	USB Tfc list	abNL
16189,5	1638	NMN	USCG Chesapeake	USA	cw-Marker	abNL
16597,5	1048	UFN	Novorossiisk R.	RUS	cw-ufn + SITOR	pt53
16807	1646	KFS	Palo Alto R.	USA	cw-Marker	abNL
16807	0849	9VG	Singapore R.	SNG	cw-mkr	ewAU
16807,5	0851	ZLA	Awanui R.	NZL	cw-mkr	ewAU
16808	0855	SPA	Gdynia R.	POL	cw-mkr	ewAU
16809,5	1514	EAD	Madrid R.	E	cw-Marker	ewAU+abNL
16811	0931	CBC	Valparaiso R.	CHL	cw-mkr	ewAU
16812,5	0935	NRV	USCG Apra Harbour	GUM	cw-mkr	dbCE+ewAU
16812,5	2250	A9M	Bahrain R.	BHR	cw + amtor	dbCE
16813	1519	UAT	Moscow R.	RUS	cw-Marker	abNL
16814	1521	WLO	Mobile R.	USA	cw-Marker	abNL
16815	0942	9VG	Singapore R.	SNG	cw-mkr	ewAU
16816	1644	ZSC	Capetown R.	AFS	cw-Marker	abNL
16816,5	1640	NMC	USCG Point Reyes	USA	cw-Marker	abNL
16817,5	1642	KPH	San Francisco R.	USA	cw-Marker	abNL
16818,5	0944	9VG	Singapore R.	SNG	cw-mkr	ewAU
16821	1412	VRX	Hongkong R.	CHN	cw - id + sitor	ewAU+dbCE
16822,5	0946	9VG	Singapore R.	SNG	cw-mkr	ewAU
16826,5	1651	PCH	Scheveningen R.	HOL	cw-Marker	abNL
16828	1516	WLO	Mobile R.	USA	cw-Marker	abNL
16829	1516	USU	Mariupol R.	UKR	cw-Marker	abNL
16830	1518	HEC27	Berne R.	SUI	cw-Marker	abNL
16830,5	1655	SVU6	Athinai R.	GRC	cw-Marker	abNL
16831	0950	VRX	Hong Kong R.	CHN	cw-mkr	ewAU
16839,5	1523	UFN	Novorossiisk R.	RUS	cw-Marker	abNL
16841,5	1214	8PO	Barbados R.	BRB	cw - id + sitor	dbCE

## EUNL1999

16842,5	1215	KEJ	Kahalehani R.	HWI	cw - id + sitor	ewAU+dbCE
16865	1003	XSQ	Guangzhou R.	CHN	cw-mkr	ewAU
16868	1004	9VG	Singapore R.	SNG	cw-mkr	ewAU
16879	1513	LZW	Varna R.	BUL	cw-DE LZW	abNL
16880	1415	XSQ	Guangzhou R.	CHN	cw - id + sitor	ewAU+dbCE
16881,5	1218	OST	Oostende R.	BEL	cw - id + amtor	dbCE
16883	1009	OST	Oostend R.	BEL	cw-mkr	abNL+ewAU
16892	1227	XSG	Shangai R.	CHN	cw - id + sitor	ewAU+dbCE
16910	1021	HLS	Seoul R.	KOR	cw-mkr	ewAU
16911	0435	JNA	Tokyo Coast Guard	J	cw	dbCE
16923,8	1008	OFJ7	Helsinki R.	FIN	cw-mkr	abNL+ewAU
16926	1026	LFJ	Rogaland R.	NOR	Sitor/cw-mkr	ewAU
16930	0513	UVA	Gelendzhik R.	RUS	cw-wkg UIOJ, qsx 6289	dmRU
16933	0437	JOS	Nagasaki R.	J	cw	dbCE
16938	1030	VTG8	Ny Bombay Naval	IND	cw-mkr	ewAU
16940	1032	XSW	Kaohsiung R.	CHN	cw-mkr	ewAU
16949	1201	YLL	Liepaja R.	LVA	cw-`cq de yll qss 16949`	pcG
16975	1500	RKLM	Arkhangelsk R.	RUS	cw-cq mkr	pcG
16980	1502	UGW	Novorossiysk R.	RUS	cw-cq + qtc list	pcG
16987	1139	VRX	Hong Kong R.	CHN	cw-cq mkr	pcG
16992,8	1100	UAT	Moscow R.	RUS	cw-mkr Tfc List	ewAU
17005	1503	IAR37	Roma R.	I	USB Phone patch	abNL
17015	1307	UTQ	Kiew R.	UKR	cw-cq qsx	pcG+pt53
17020	1525	UDK2	Murmansk R.	RUS	cw-Marker+msgs in rtt	ewAU+abNL
17021,6	1310	TAH	Istanbul R.	TUR	cw-cq qsx	abNL+pt53
17050	1123	4XZ	Ny Haifa	ISR	cw-mkr	pt53+abNL+ewAU
17050,4	1320	ASK	Karachi R.	PAK	cw-cq mkr	pcG
17064,8	1440	EDZ6	Madrid R.	E	cw-QSX	abNL
17066,5	1304	A9M	Bahrain R.	BHR	cw, a9m + SITOR	pt53
17074	1129	LGW	Rogaland R.	NOR	cw-mkr Tfc List at 1130	ewAU
17091	1301	XSQ	Guangzhou R.	CHN	cw-cq mrk	pt53
17105	1438	IRM	Roma Medico R.	I	cw-vvv marker	abNL
17113	1138	GKB	Portishead R.	G	cw-mkr	abNL+ewAU
17141	1143	UFN	Novorossiysk R.	RUS	cw-mkr	pt53+ewAU
17147	1146	URL	Sevastopol R.	RUS	cw-mkr	ewAU
17175,3	0410	A9M	Bahrain R.	BHR	cw	pt53+dbCE
17184,8	1050	PKP	Dumai R.	INS	cw-cq gru	pcG+pt53
17184,8	1259	PKE	Ambon R.	INS	cw-cq 13.00 off	pt53
17198,9	1434	PCH60	Scheveningen R.	HOL	cw-DE PCH60	a1Eu+ewAU+abNL
17203,9	0947	OXZ62	Lyngby R.	DNK	cw-mkr	ewAU
17207	1433	IAR	Roma R.	I	cw-vvv marker	abNL
17227,5	0959		Waiouru R.	NZL	cw-mkr	ewAU
17238,9	0935	XSV	Tianjin R.	CHN	cw-cq mkr	pcG
17239,7	1210	PKB	Belawan R.	INS	cw-weak cq mkr	pcG
17239,7	1256	PKX	Jakarta R.	INS	cw-cq gru	pcG+pt53
17248	1001	5BA62	Cyprus R.	CYP	usb Voice Mirror	ewAU
17323	1515	3AC	Monaco R.	MCO	usb,E/F,ids	pt53
17332	1011	BVA	Taipei R.	TWN	usb phonecall to ship	ewAU
17338	1014	BVA	Taipei R.	TWN	usb phonecall to ship	ewAU
17341	1016	HLS	Seoul R.	KOR	usb phonecall to ship	ewAU
17350	1017	VRX	Hong Kong R.	CHN	usb,man repeating words	ewAU
19685,5	1805	WLO	Mobile R.	USA	cw-Marker	abNL
19692,5	1807	ZSC	Capetown R.	AFS	cw-Marker	abNL
19696,5	1808	8PO	Barbados R.	BRB	cw-Marker	abNL
19698,5	1803	OST69	Oostende R.	BEL	cw-Marker	abNL
19706	1811	LSD836	Argentina R.	ARG	cw-Marker	abNL
19723	0904	RKLM	Arkhangelsk Fish. R.	RUS	cw-Tfc list	abNL
19755	1452	EHY	Madrid R.	E	USB Phone patch	abNL
22377,5	2307	KFS	San Francisco R.	USA	cw - id + sitor	dbCE
22380,5	2305	CBV	Playa Ancha R.	CHL	cw - id + sitor	dbCE
22382	2257	NRV	USCG Guam	GUM	cw - id + sitor	dbCE
22382	0341	NNC	USCG Point Reyes	USA	cw-mkr	ewAU
22385,5	1754	OXZ	Lyngby R.	DNK	cw-Marker	dbCE+abNL
22387,5	0856	SVT	Athinai R.	GRC	cw-DE SVT	dbCE+abNL
22389	0344	9VG	Singapore R.	SNG	cw-mkr	ewAU
22389,5	1753	NMN	USCG Chesapeake	USA	cw-Marker	abNL
22408	0325	UFL	Vladivostock R.	RUS	cw + amtor	dbCE
22459	0800	XSX	Keelung R.	TWN	cw-cq	abNL

## EUNL1999

22512	0900	UAT	Moscow R.	RUS	cw-cq		abNL
22555	1201	UUI	Odessa R.	UKR	USB		abNL
22564	1255	9AR	Rijeka R.	HRV	cw		dbCE
22565	0839	XSW	Kaohsiung R.	TWN	cw-cq	dbCE+ewAU+	abNL
22575,5	0944	PKX	Jakarta R.	INS	cw-weak cq mkr		pcG
22592,5	0842	A9M	Bahrain R.	BHR	cw-cq		abNL
22603	0841	PPR	Rio de Janeiro R.	B	cw-vvv marker		abNL

## A E R O (Ground - stations)

2591	2020	ARCHITECTRAF	STCICS	G	wx bull.		aLEU
3815	2120	YAROK	Kiev/Borispol Air	UKR	YL wkg unid		aLEU
4045	1942	RADAN	St.Petersburg Air	RUS	YL wkg ALENKI		aLEU
4045	1942	ALENKI	Koltsovo/Ekaterienburg	RUS	YL wkg RADAN		aLEU
4045	1953	AGURCHIK	Moscow/Sheremetyevo A.	RUS	YL wkg RADAN		aLEU
4645	0017		Tallinn Air	EST	USB volmet		abNL
4669	1642		Uralsk Radio	KAZ	wkg Ashkabad Radio		aLEU
4672	0300		St.Petersburg Radio	RUS	r/c fr Domestic Aero Net		aLEU
4672	0300		Petrozavodsk Radio	RUS	r/c		aLEU
4672	0300		Murmansk Radio	RUS	r/c		aLEU
4672	0300		Archangelsk Radio	RUS	r/c		aLEU
4672	1603		Vologda Air	RUS	r/c		aLEU
4712	2254		Mineralny Vody Radio	RUS	r/c fr Domestic Aero Net		aLEU
4712	2254		Chelyabinsk Radio	RUS	r/c		aLEU
4712	1621		Volgograd Radio	RUS	r/c		aLEU
4712	1621		Uralsk Radio	KAZ	r/c		aLEU
4712	1850		Ufa Radio	RUS	wkg Rostov Radio		aLEU
4712	1700		Kiev Radio	UKR	wkg Rostov Radio		aLEU
4712	1712		Lvov Radio	UKR	wkg unid		aLEU
4712	1657		Rostov Radio	RUS	YL r/c's		aLEU
4712	1823		Yerevan Radio	ARM	wkg a/c & Ufa Radio		aLEU
4712	1831		Samara Radio	RUS	wkg unid		aLEU
4712	1832		Koltsovo Radio	RUS	wkg unid		aLEU
4712	1833		Omsk Radio	RUS	wkg Samara Radio		aLEU
4712	1834		Novosibirsk Radio	RUS	wkg Koltsov Radio		aLEU
4712	0228		Krasnodar Radio	RUS	YL, id		aLEU
5085	1527		unid Russ.Domestic Air	RUS	YLS, regular heard here		aLEU
5450	2301	MVU	RAF Volmet	G	USB		abNL
5475	0025		Córdoba Volmet	ARG	Sp wx		hb31
5505	2300	EIP	Shannon Volmet	IRL	USB		abNL
5517	2027		Sanaa Aero	YMS	usb clg Addis Ababa		ewAU
5517	2338		Nairobi Aero	KEN	usb,E Madagascars130	aLEU+pt53	
5517	2340		Tripolis Aero	LBY	usb,E,wkg Liberty 858		pt53
5517	1951		Khartoum Aero	SDN	usb,E,wkg Tripolis Aero		pt53
5517	1950		Riyan Air	YEM	wkg Yemenia 503		aLEU
5517	2228		Sana'a Air	YEM	wkg Addis		aLEU
5517	2022		Entebbe Air	UGA	clg Nairobi		aLEU
5517	2023	ETD3	Addis Ababa 'Addis' A.	ETH	wkg TFS 617		aLEU
5517	0017	5AF	Tripoli Air	LYB	wkg Kenia 101		aLEU
5517	2231	STK	Khartoum Air	SDN	wkg Addis		aLEU
5517	2036	6OM	Mogadishu Information	SOM	wkg Addis		aLEU
5517	0029	SUC	Cairo Air	EGY	wkg Khartoum		aLEU
5529	2236		IBERIA Madrid LDOC	E	wkg unid in Sp		aLEU
5532	2115	OKL	Prague CSA LDOC	CZE	wkg unid a/c		aLEU
5544	1841		Saudia Jeddah	ARS	usb,E,wkg Saudia 9634		pt53
5544	1703		SAUDIA Jeddah Ops LDOC	ARS	wkg SAUDIA 371		aLEU
5565	0550	ZWRF	Recife Air	B	wkg Iberia 6841		aLEU
5568	1253	SHPORA	Rostov-na-Donu Air	RUS	wkg unid,YL wx fr Voronezh		aLEU
5598	2258		Gander Aeradio	CAN	USB w/various aircraft		abNL
5601	0002		Ezeiza(?) Volmet	ARG?	Sp wx		hb31
5601	0015		Ezeiza Volmet	ARG	Sp wx		hb31
5634	0053	5ST	Antananarivo 'Tana' A.	MDG	wkg Spingbok 283		aLEU
5637	1735	SWM	Kalamata Air	GRC	testing		aLEU
5637	0610	YRA	Bukarest Informare	ROU	wkg LCB		aLEU
5649	1658		Shanwick Aero	IRL	usb,E,wkg Air France 322		pt53
5658	2233		Bombay Aero	IND	usb,E,wkg Springbok 204		pt53
5658	2158	ARA	Karachi Air	PAK	wkg KLM 878		aLEU
5658	2200	AWA	Dehli Air	IND	wkg Bombay Air		aLEU

## EUNL1999

5658	2202	AWB	Bombai Air	IND	wkg Northwest 57	aLEU
5670	2116		Chennai Aero	IND	usb,E,wkg Singapore 310	pt53
5670	2056		Chennai (Madras) Air	IND	wkg Air India 443	aLEU
5670	2325	8BN	Medan Air	INS	wkg (Colonial?) 386	aLEU
5680	0859		Glücksburg Rescue	D	usb,E,clg DREQ	pt53
5680	0901		Kinloss Rescue	G	usb,E,wkg Sierra Romeo 169	pt53
5680	1700		Gotland Rescue	S	usb,E,wkg Unid a/c	pt53
5680	0851		Kinloss Standby (?!?)	G	wkg Kinloss Rescue fr r/c	aLEU
5680	1544		Sweden Air Rescue	S	wkg HOTEL 95	aLEU
5680	1538		Karup Rescue	DNK	wkg Danish Rescue Heli 280	aLEU
5680	1915	FREKEFILM	unid Spanish/Port SAR		wkg AGUI, SAR tfc	aLEU
5685	1046	MKA	RAF London	G	usb,E,ID wkg CWL 85	pt53
5687	0940	DHM91	AF Münster	D	usb,E,D,wkg Airforce 958	pt53
5690	1742		unid Turkish, AF ?	TUR	clg 3__, sounds like AF ?	aLEU
5696	0122	NMN	USCG Chesapeake, VA	USA	id: 'CAMSLANT', wkg N8F	aLEU
5696	1114	MJV	NAS Culdrose	G	wkg 61	aLEU
5708	1915	ARMOR	Ny Brest/Loperhet	F	wkg SUPER 1 (=unid)	aLEU
5714	2100	ARCHITECT	RAF Upavon	G	USB elebrity broadcast	abNL
5714	1252	FUI	Ny Nimes	F	usb-id as 'UI', wkg 5EB	aLEU
5717	2115	MKL	RAF, Pitreavie ???	G	usb-clg unid fr r/c	aLEU
6535	0240	6VU	Dakar Air	SEN	wkg LH 500	aLEU
6559	0420		Libreville Air	COG	wkg MKA 105	aLEU
6604	2130		New York Volmet	USA	usb,E,ID, Volmet	pt53
6637	2358		Silvair Miami	USA	usb,E,wkg 61 Mike	pt53
6637	0413		SILVAIR Miami LDOC	USA	wkg unid a/c	aLEU
6640	0232		New York LDOC	USA	wkg Delta 12	aLEU
6676	2216		Karachi Volmet	PAK	usb,E,Volmet	pt53
6676	1523		Singapore Volmet	SNG	usb,E,Vomet	pt53
6676	2010		Bangkok Volmet	THA	usb,E,ID, Volmet	pt53
6679	1750		Auckland Volmet	AUS	usb,E,Volmet	pt53
6730	1449	DHJ59	Ny Wilhelmshaven	D	wkg 8IU, coord fr RTTY	aLEU
6733	1731	IDR	Ny Rome	I	wkg 9SQ, coord fr RTTY	aLEU
6758	1700	MKL	RAF Kinloss	G	cw P2K DE MKL Airfieldcond.	abNL
8170	0845	GKX41	Portishead Radio LDOC	G	wkg TWA 720	aLEU
8816	1706	RJF94	unid Russian, Aero ?	RUS	cw-clg 444_5, Military ?	aLEU
8828	0500		Honolulu Volmet	HWI	ssb	dbCE
8828	1421		Auckland Volmet	NZL	usb-Machine OM Volmet	aLEU
8828	1741	YRA	Bukarest Air	ROU	cw-'on USB' w/VVV DE YRA	aLEU
8829	1709		unid Aero, Turkish?		no 3k-spaced,Air-tfc & s/c	aLEU
8861	1832		Dakar Aero	SEN	usb,E,wkg Ascot 3451	pt53
8867	0455		Unid Aero	?	ssb	dbCE
8867	0821	VZBN	Brisbane Air	AUS	wkg unid United fl.	aLEU
8879	1741		Bombay Aero	IND	usb,E,wkg Springbok	pt53
8879	1743		Dar-es-Salam Aero	TZA	usb,E,wkg Lusaka Aero	pt53
8879	1743		Lusaka Aero	ZMB	usb,E,wkg Dar-es-Salam Aero	pt53
8879	1959		Gander Aero	CAN	usb,E,wkg Speedbird 297	pt53
8879	1950		Nairobi Aero	KEN	usb, E,wkg Seychelles Aer	pt53
8879	1950		Seychelles Aero	SEY	usb,E,wkg Nairobi Aero	pt53
8879	1755		Gander Aero	CAN	usb,E,wkg Speedbird 177	pt53
8879	1744		Shanwick Aero	G	usb,E,wkg Air France 3486	pt53
8879	1747		Iceland Aero	ICL	usb,E,wkg Gander	pt53
8888	1735	D2U	Luanda Air	AGL	wkg EVD (= D2-EVD ? )	pt53+aLEU
8891	1427		Iceland Aero	ISL	usb,E,wkg Lufthansa 498	pt53
8891	1738		Shanwick Aero	G	usb,E,wkg Delta 27	pt53
8891	1716		Iceland Aero	ICL	usb,E,wkg Northwest 49	pt53
8891	1736		Montreal Air	CAN	wkg Alitalia 622, FK-DL	aLEU
8891	1746		Baffin Air	CAN	wkg LH 492	aLEU
8891	1456		'Arctic' Churchill? A.	CAN	wkg LH 438	aLEU
8891	1625	TFA	'Iceland' Reykjavik A.	ICE	wkg New Zealand 1, CP-GL	aLEU
8891	1712	EIP	Shanwick Air	IRL	wkg Canadian 97, HJ-AG	aLEU
8894	0008		Niamey Aero	NGR	usb,E,wkg LWA 306 (LWA)	pt53
8894	1802		Tamanrasset Air	ALG	clg Djanet, 'Tam' w/Algier	aLEU
8894	1834		Niamey Air	NGR	wkg Air Afrique 630	aLEU
8903	1745	D2U	Luanda Air	AGL	wkg unid	aLEU
8903	1744		Lumbumbashi Air	DRC	wkg RMV 101 Ldn to Harare	aLEU
8918	1515	A9C	Bahrain Air	BHR	clg Pakistan 8342	pt53+aLEU
8921	1753		LTU Duesseldorf LDOC	D	wkg LTU UU	aLEU
8924	1707		LOT warszawa	POL	usb,Pol.,wkg PLF	pt53

## EUNL1999

8927	1703		Saudia Jeddah	ARS	usb,E,wkg Saudia 9601	pt53
8930	1707	SDJ	Stockholm R.	S	usb,E,wkg Viking 8	pt53
8933	0002	Springbok	SA Airways	AFS	usb,wkg Springbok 252	pt53
8933	0001		ARINC New York	USA	usb,E,wkg a/c Selcall AJFM	pt53
8933	2202	Springbok	SA Airways	AFS	usb,wkg Springbok 275	pt53
8939	2047		Moscow Volmet	RUS	USB Volmet	abNL
8942	1656		Singapore Aero	SNG	usb,E,wkg Speedbird a/c	pt53
8957	1135	EIP	Shannon volmet	IRL	USB	dbCE+abNL
8965	1402	XPH5	USAF Thule	GRL	clg Reach 777	aLEU
8992	1640	XPH5	USAF Thule	GRL	wkg CROWN 96	aLEU
8992	1642	AJE	USAF Croughton	G	wkg ___ 23, Ramstein wx	aLEU
8992	1648	CSE	AF Lisbon	POR	clg AF ___	aLEU
8992	1657	FDE	FAF Villacoublay	F	id: 'CIRCUS VERTE'	aLEU
9013	1327		Navy Prestwick	G	wkg NAVY 700	aLEU
10051	2330		Gander Volmet	CAN	ssb	dbCE
10090	1444		Tashkent Meteo	UZB	USB Volmet in English	abNL
10165	1521	SKJ21	Stockholm Radio	S	wkg Air France 1739,pp Ops	aLEU
10805	1229	SDJ	Stockholm R.	S	usb,E,wkg a/c FSTB	pt53
11175	1409	XPH5	USAF Thule	GRL	usb,E,wkg Reach 4646	pt53
11175	1425	AJO	USAF Incirlik	TUR	wkg REACH 6449, ->Incirlik	aLEU
11175	1505	LULL	unid US Military	?	wkg Thule, a/c or ground ?	aLEU
11180	1507	JWT	RNOAF Stavanger	NOR	clg whiskey 22	aLEU
11193	1620		Moskva Air (LDOC ?)	RUS	OM, wkg unid a/c	aLEU
11232	1612	CHR	CF Trenton Military	CAN	w/Canforce 3252	aLEU
11235	1135	ARGONAUT	unid GAF Base	D	wkg HUGEN (?) 06	aLEU
11240	1130		Damascus Ops LDOC	SYR	wkg SYRIAN 420	aLEU
11247	1246	GFW	RAF Akrotiri	CYP	id: 'Cyprus',wkg ASCOT 9234	aLEU
11253	1038	MVU	RAF Volmet	G	USB	pt53+abNL
11256	1537	HOLLOWAY	Eth.Air LDOC Addis A.	ETH	clg 650	aLEU
11271	1400	XPH5	USAF Thule	GRL	wkg Reach Q1, QSY fm 11175	aLEU
11272	1020	IEY55	unid Italian Military	I	wkg IEY54, IEY57	aLEU
11272	1020	IEY54	unid Italian Military	I	wkg IEY55	aLEU
11272	1020	IEY57	unid Italian Military	I	wkg IEY55	aLEU
11272	0929	IEY56	unid Italian Military	I	wkg IEY55	aLEU
11272	0931	'MOBILE'	unid Italian Military		clg IEY56	aLEU
11273	1317		Sofia LDOC	BUL	wkg LZ-BTX	aLEU
11285	1533		Chennai Air	IND	wkg unid a/c	aLEU
11288	1502		Jeddah Air	ARS	wkg 006	aLEU
11291	1746	6VU	Dakar Air	SEN	wkg unid a/c	aLEU
11297	1036		St. Petersburg Volmet	RUS	USB Volmet	abNL
11297	1018		Moscow Volmet	RUS	USB Volmet	abNL
11297	1025		Rostov Volmet	RUS	USB Volmet	abNL
11300	1550		Cairo Aero	EGY	usb,E,wkg Lufthansa 8295	pt53
11300	1725		Addis Abeba Aero	ETH	usb,E,wkg Kenya 220	pt53
11300	1803		Mogadishu Aero	SOM	usb,E,wkg UZB 252	pt53
11300	1424		Cairo Aero	EGY	usb,E,wkg Mike Romeo	pt53
11300	1949		Sana'a Aero	YEM	usb,E,clg Addis	pt53
11300	1520		Tripoli Aero	LBY	usb,E,wkg Cairo	pt53
11300	1710		Khartoum Aero	SDN	usb,E,wkg Sudan 2235	pt53
11306	2030	GKX	Portishead R.	G	usb,E,wkg Uniform November	pt53
11306	1328		Portishead Radio LDOC	G	wkg Kestrel 197, QSY 14890	aLEU
11308	1601		unid Russian Aero	RUS	wkg unid w/wx report	aLEU
11309	1216		Santa Maria Aero	AZR	USB w/various aircraft	abNL
11318	1045		Samara Volmet	RUS	USB Volmet	abNL
11318	1050		Tyumen Volmet	RUS	USB Volmet	abNL
11318	1100		Sykytyvar Volmet	RUS	USB Volmet	abNL
11318	1105		Jekaterinburg Volmet	RUS	USB Volmet	abNL
11318	1110		Novosibirks Volmet	RUS	USB Volmet	abNL
11340	1822		Santa Maria Aero	AZR	USB w/Air France 3440	abNL
11342	1833		New York LDOC	USA	wkg N333MG	aLEU
11345	1227	SDJ	Stockholm R.	S	usb,E,wkgFSTB,QSY10805abNL+	pt53
11354	1332		'Priboi Radio': unid	RUS	wkg 40_64 ? =unid a/c	aLEU
11354	1625		"Kra'kjet": unid	RUS	clg 34155 ? wkg Priboi	aLEU
11354	1035	unid	"Toulouse Technique"	F	wkg unid, any LDOC/Aero?	aLEU
11360	1258		unid Russian Aero	RUS	YL, wx to unid a/c	aLEU
11362	1244		unid Russian Aero	RUS	YL, wkg a/c to Voronezh	aLEU
11363	1830		Monarch Ops	G	usb,E,wkg Unid a/c	pt53
11375	1056		tent. VARIG Ops	B	usb,P,wkg Unid a/c	pt53

## EUNL1999

11387	1603	Sydney Volmet	AUS usb,E,Volmet	abNL+pt53
11387	1020	Singapore Volmet	SNG usb,E,Volmet	pt53
11387	1010	Bangkok Volmet	THA usb,E,Volmet	pt53
11387	1701	Sydney Volmet	AUS usb,E,Volmet	pt53
11396	1628	Ujung Pandang Aero	INS usb,E,wkg a/c, UNID ?17	pt53
12201	1310	Stockholm Radio LDOC	S wkg Air France 1337	aLEU
13264	1418	Shannon Volmet	IRL usb,E,Volmet	pt53
13264	1212	EIP Shannon Volmet	IRL USB	abNL
13270	1920	Gander Volmet	CAN USB	abNL
13270	1918	New York Volmet	USA USB	abNL
13279	0414	Tashkent Volmet?	UZB?wx in EE, weak	dmRU
(station is listed at x.05 and x.35 in SFL, does its broadcast last 10 mins?)				
13282	1245	Hongkong Volmet	CHN usb,E,Volmet	pt53
13282	1245	Hongkong Volmet	CHN usb,E,Volmet	pt53
13282	0940	Tokyo Volmet	J usb,E,Volmet	pt53
13282	1250	Auckland Volmet	NZL usb,E,Volmet	pt53
13285	0850	Beijing Volmet	CHN usb,E,Volmet	pt53
13304	1046	EI Al	ISR usb,hebr., wkg UNID	pt53
13306	1913	Shanwick Aeradio	G USB w/various aircraft	abNL
13330	1400	Cedar Base MEA	LBN usb,E,wx for Beirut	pt53
13333	1225	Speedbird BA London	G usb,E,wkg Speedbird 6?	pt53
13339	1330	'Mexico Radio' LDOC	MEX wkg 006 ANY INFOS ??	aLEU
13354	1557	New York Aero	USA usb,E,wkg Iberia 6521	pt53
13890	1321	Stockholm Radio LDOC	S wkg Condor 687	aLEU
14645	1205	SKN26 Stockholm Radio LDOC	S wkg Air Europa 791, EC-GCA	aLEU
14745	1150	Stockholm Radio LDOC	S wkg Lufthansa 8208	aLEU
14890	1330	GKX Portishead Radio LDOC	G wkg Kestrel 197	aLEU
16206	1237	Stockholm Radio LDOC	S wkg Air France 3694	aLEU
17916	1416	Stockholm Radio LDOC	S wkg A6-UAE	aLEU
18018	1210	ARCHITEC RAF STCICS	G wkg SHF 205 r/c	aLEU

## A E R O (aircrafts)

4742	1705	Ascot 5063 RAF Flight	LIPY->EGYCAIR w/Architect, s/c AJ-DE	aLEU
5517	0125	AIN 953 African Int'l Airways	AIR w/Tripoli,AIN fm Swasiland	aLEU
5517	0130	FDN 830 unid Company ?!	AIR w/Khartoum	aLEU
5598	0152	Reach 30X5 unid USAF Flight	AIR w/New York	aLEU
5598	2032	Reach Z1 unid USAF Flight	AIR w/Shanwick	aLEU
5598	1950	N399CC unid Operator ?	AIR w/Shanwick, s/c KR-DM	aLEU
5649	1935	TLA 569P Transaer (Ireland)	AIR w/Gander, GJ-AC EI-TLE	aLEU
5658	2230	Singapore 352	AIR clg Kabul, req QSY 3467	aLEU
5680	1311	Hotel 92 Swedish SAR, Heli ?	AIR wkg Swedish Air Rescue	aLEU
8825	1245	NAF 42 Royal Netherlands AF	AIR w/Santa Maria	aLEU
8867	1700	Air France 374	AIR usb,E,clg Brisbane	pt53
8879	1739	Romavia 101	AIR usb,E,clg Kinshasa Aero	pt53
8879	1710	SV 01B unid ??	AIR w/Gander, strange Call ?!	aLEU
8888	1748	D2-MAJ unid Operator	AIR wkg Luanda	aLEU
8894	0007	LWA306 Liberian world Airl.	AIR usb,E,clg Algier Aero	pt53
8894	1801	United Nations 965	AIR clg Algier,wkg Tamanrasset	aLEU
8894	1830	LX-MMB unid Operator	AIR clg Algier	aLEU
8906	1400	Gold 64 unid USAF Flight	AIR w/Shanwick, to KIAB	aLEU
8906	1550	AEY 964 Aero Lyon (France)	AIR w/Santa Maria	aLEU
8906	1810	RCAF 'Canforce 1661'	AIR w/Gander	aLEU
8906	0120	Mash 92,93 USAF/ANG KC-135 a/c's	AIR w/NY, Air Refueling a/c	aLEU
8930	1630	GDG 6 Polar Air Cargo/PAC	AIR w/St., Ffm->KDOV, BL-GH	aLEU
8930	0813	Reach 5005 Operated by AMT	AIR wkg Stockholm, to ->EGUN	aLEU
8930	0936	G-VIIN unid Operator	AIR wkg St.,pos. London/Ground	aLEU
8936	1005	F-GLMU unid Operator	AIR clg Berna Radio	aLEU
8992	1504	JGO 69 USAF/SFOR Flight	AIR wkg Croughton,id as 'Jago'	aLEU
10286	1554	PD-ISW Unid aircraft	S USB PP w/a Dutch ground stnabNL	
11175	1351	Ascot 72 RAF Flight	AIR w/Croughton, pp Mildenhall	aLEU
11175	1117	Reach 35PUSAF Flight	AIR w/unid GHFS	aLEU
11175	1430	Reach Q1 USAF Flight	AIR w/Incirlik, #67-955, ->FFM	aLEU
11175	1418	Reach 3599 USAF Flight	AIR w/Thule, #93-000599	aLEU
11175	1446	Navy JM354 USN Flight	AIR w/Incirlik	aLEU
11175	1444	N130JV unid	AIR w/Thule, ->Shannon	aLEU
11175	1429	Duke 85 unid USAF? Flight	AIR w/GHFS, req wx LLBG	aLEU
11175	1414	Gold 61 unid USAF? Flight	AIR w/Thule,wx Rota pp Hilda/E	aLEU

## EUNL1999

11244	1210	SHF 205	unid RAF ?	AIR	w/ARCHITECT, req QSY 18018	aLEU
11300	1353	EGY 1838	Egyptian Air Force	AIR	clg Cairo, wkg EGY 1123	aLEU
11345	1254	A6-AUH	Abu Dhabi Amiri Flight	AIR	wkg Stockholm, 11 PAX	aLEU
11345	1314	EC-ELY	Viva Air 6703 / VIV	AIR	wkg Stockholm, pp Ops Palma	aLEU
11345	1455	F-WWDX	AIRBUS Delivery Flight	AIR	w/St., pos.Toulouse Ground	aLEU
12201	1628	VP-CCR	unid Operator	AIR	w/Stockholm, pp Ops in UK	aLEU
13342	1413	A6-UAE	Abu Dhabi Amiri Flight	AIR	wkg Stockholm	aLEU

## D I G I T A L

518	2210	GCC	Cullercoats R.	G	NAVTEX gale wrng	zeTC
518	2242	9AS	Split R.	HRV	NAVTEX nav wrng	zeTC
518	2248	OST	Oostende R.	BEL	NAVTEX nav wrng	zeTC
518	2120	GNI	Niton R.	G	NAVTEX gale wrng	zeTC
518	2130	GPK	Portpatrick R.	G	NAVTEX Shipping forecast	zeTC
518	1950	PBK	Netherlands CG	HOL	NAVTEX nav. wrng	zeTC
518	2000	SAH	Harnosand R.	S	NAVTEX baltic sea gale warn	zeTC
518	2157	LGQ	Rogaland R.	NOR	NAVTEX Lyngby R. relayed	zeTC
518	2344		CROSS Toulon	F	NAVTEX ttt avurnav Toulon	zeTC
1626,3	2255		Marine Navig. Data	S	Data // 1630,3	zeTC
1930	0417	LFI	Globe Rogaland R.	NOR	Idle/cw-id: 'LFI'	aLEU
2643	2226	A9M	Hamala R.	BHR	Idle/cw-id: 'DE A9M TLX'	aLEU
2768,2	1947		UNID	?	ARQE/48/170 cont idle	pcG
3515	2013	AR	unid		R50/850: RY QRU DE AR QRU	aLEU
3657	2302	RVZ73	Archangelsk Meteo	RUS	FAX 60/576 surface analys.	zeTC
3690	2325	RBV70	Tashkent Meteo	UZB	FAX 60/576 surface analys.	zeTC
3763	1937	RFF--	UNID FF	F	ARQE/184,7/400 cont idle	pcG
3782	2233	CTP	NATO Oeiras	POR	RTTY 75 naws de ctp qsx	zeTC
3818	2120	RFF--	UNID FF	F	ARQE/72/400 Ex,Transce/98-02	pcG
3830	0405	RUM9	unid (Murmansk?)	RUS	FAX 120/576 //5008 wxcharts	zeTC
4002	0000	YRR2	Bucharest Meteo	ROU	RTTY 50 Synops	abNL
4024	2110	RFF--	UNID FF	F	ARQE/72/400 Ex,Transce/98-02	pcG
4056	1645	VG6Q	Czech Border Guards	CZE	RTTY 50 RY + C/S	abNL
4214	0046	IDR2	Ny Roma	I	RTTY 75 CARB	abNL
4227	0044	IGJ42	Ny Augusta	I	RTTY 100 CARB	abNL
4262	1921	LFI	Globe Rogaland R.	NOR	Idle/cw-id: 'LFI'	abNL+aLEU
4268,6	0036	SAB	Goteborg R.	S	ARQ 100 clg CZDF	abNL
4322	1648	MJG	Ny Faslane	G	VFT 75 CARB	abNL
4337	1746	VTH_	Ny Bombay	IND	R50/850:RY VTH1/4/5/7 RBSL	aLEU
4562	1932		unid	RUS?	FAX 60/576 daily wx 1932-53	zeTC
4583	0005	DDK2	Hamburg Meteo	D	RTTY 50 RY	abNL
4595,5	1820	FDY	FAF Orleans	F	R50/425: RY, Le Brick	aLEU
4601,5	2115	FDY	FAF Orleans	F	R50/425: RY, Le Brick	aLEU
4610	0006	GFA22	Bracknel Meteo	G	FAX 120/576 wx fax	abNL
4625	0020		Buzzer	RUS	MODE??? buzzing the night	abNL
4765,2	1905	RFF-	FF Paris	F	ARQE3/200/400/2ch FDXA/FDXB	pcG
4788	1709	FDG	FAF Bordeaux	F	R50/450/R: RY, Le Brick	aLEU
4856,6	1855	FDY	FAF Orleans	F	R50/425: RY, Le Brick	aLEU
4970,7	nights		UNID	?	ARQE/48/170 cont idles	pcG
4991,7	1920	RFFVAY	FF Sarajevo	BIH	ARQE3/200/400/2ch	pcG
5008	1648	RUM9	unid (Murmansk?)	RUS	FAX 120/576 //6987 wxcharts	zeTC
5049	1858		Port. Police Dept. Barreiro	POR	ARQ 100 abt stolen cars	abNL
5054,8	1711	JYF6	PETRA Amman	JOR	R50/425: EE press	aLEU
5055	1735	JYF6	PETRA Amman	JOR	RTTY 50 E nx// 6830	zeTC
5077,5	1506	FDG	FAF Bordeaux	F	R50/425/R: RY, Le Brick	aLEU
5110	1533	FDG	FAF Bordeaux	F	R50/425/R: RY, Le Brick	aLEU
5184	1420	FDY	FAF Orleans	F	R50/425: RY, Le Brick	aLEU
5257,4	1248	FDI22	FAF Narbonne	F	R50/850?: RY, Le Brick	aLEU
5376,5	1605	OST23	Oostende R.	BEL	Sitor-B, cq qtc list in fec	zeTC
5478,1	1730		unid		R50/175/R: crypted, end:NNNN	aLEU
5518	1648	RUM9	unid (Murmansk?)	RUS	FAX 120/576 //6987 wxcharts	zeTC
5526,9	2144	BAF6	Beijing Meteo	CHN	FAX 120/576 wx charts	zeTC
5680,1	0815	HE25	unid tactical		R50/170/R: w/5PCK, op chat	aLEU
5807	1605	ZKLF	Auckland Meteo	NZL	FAX 120/576 s. Pacific wx	zeTC
5831,1	1429		unid Tunesian MOI	TUN	R50/175: Arab texts	aLEU
5887,5	0051	IMB2	Roma Meteo	I	RTTY 50 Synops	abNL
6321,5	2230	SVU3	Athens R.	GRC	Sitor-B cq de sva svc	zeTC
6324	2010	WCC	Globe Chatham R.	USA	Idle/cw-id: 'VCT/WCC'	aLEU

## EUNL1999

6329,5	2007	VCT	Globe Tors Cove R.	CAN	Idle/cw-id: 'VCT'	aLEU
6339,2	1127		Unid	?	rtty 75/850 encryp. text	ewAU
6340,5	2115	NMF	USCG Boston	USA	FAX 120/576 meteo charts	dpCH
6385	1152	CKN	Ny Vancourver,BC	CAN	rtty 75/850 de CKN Zkr Fi	ewAU
6453	2125	NPG	USNy San Francisco	USA	FAX 120/576 meteo charts	dpCH
6467	1957	LFI	Globe Rogaland R.	NOR	Idle/cw-id: 'LFI'	aLEU
6804	2019		tent. FAPSI/Russ. Intel		R75/425/R: 5 LGS	aLEU
6830,2	1725		PETRA Amman	JOR	R50/450: E Press	aLEU
6845,7	1837		MFA Cairo	EGY	ARQ 100 msgs to var. emb.	abNL
6968	1905		FAPSI/Russ. Intel	RUS	R75/425/R:5 LGS,Link 00052	aLEU
6984	0910	SNN299	Warsaw MFA	POL	POL-ARQ/100 msgs to Moscow	pcG
7512	1846	ZRO	Pretoria Meteo	AFS	ITA2 75 meteo text	dpCH
7596	2018	5UA46	Niamey Aero	NGR	AR2 96/425 wx	ewAU
7614	2013	VFFE	FF Bordeaux	F	E192/170 Idling Only	ewAU
7785	2140	NAR	USNy Key west	USA	ITA2 75 meteo text	dpCH
7831,5	2016	5ST	ASECNA Antananarivo	MDG	ARQE3 48 call	dpCH
8001,7	1048	RFHJ	FF Papeete	OCE	E3 100/425 Idling Only	ewAU
8020	1347	HMF85	KCNA Pyongyang	KRE	RTTY 50/250 E-nx	zeTC
8050,2	2102	RFQP	FF Jibuti	DJI	ARQM2 200 text + call	dpCH
8110	1634	GXQ	Army London	G	VFT 50 Foxes	abNL
8192	1938	9MR	Ny Johor Baharu	MLA	RTTY ryryry 9mr	zeTC
8389	1439	ELRP9	mv Falcon Carrier	IW	ARQ100 test pls don't reply	abNL
8418	1613	IAR	Roma R.	I	Sitor-A 2070 iar i+?nanb	zeTC
8426,5	1857	WCC	Globe Chatham R.	USA	Idle/cw-id: 'VCT/WCC'	aLEU
8434,5	1435	SAB	Goteborg R.	S	FEC 100 Tfc list	abNL
8435	1849	VCT	Globe Tors Cove R.	CAN	Idle/cw-id: 'VCT'	aLEU
8453	1629	FUG	Ny La Regine	F	RTTY 75 RY FAAA DE FUG	abNL
8454	1629	UIW	Kaliningrad R.	KAL	RTTY 50 Nav wngs	abNL
8467,5	2315	JJC	Tokyo-Nazaki R.	J	FAX 60/576 press txt	zeTC
8475,5	2004	FUX	FNy Le Port	REU	RTTY 75 faa de fux	pcG+zeTC
8497	0750	HLF	Globe Seoul R.	KOR	Idle/cw-id: 'HLF'	aLEU
8504	0027	NMG	USCG New Orleans	USA	FAX 120/576 wx Gulf of MEX	zeTC
8538,5	1117		Unid	?	Unksys 75/850 encryp. text	ewAU
8541	1841	A9M	Globe Hamala R.	BHR	Idle/cw-id: 'A9M'	pcG+aLEU
8549	1656	UCE	Arkhangelsk R.	RUS	SITOR/A wkg ucgb	ewAU+pcG
8551,3	1848	CTP	NATO Lisboa	POR	R75/850R: NAWS	aLEU
8556	1007	SAB44	Goeteborg R.	S	SITOR	hb01
8564,9	1001		Unid Teleprint	?	RTTY	hb01
8586	0738	USO5	Izmail R.	UKR	R50/175/R:'RY DE USO5 795'	aLEU
8605	1530	UIW	Kaliningrad R.	KAL	ITA2/50/170 qtc list	pcG
8620	0948		Unid Teleprint	?	RTTY	hb01
8632,6	0943		Unid Teleprint	?	RTTY	hb01
8642,2	1449	MGJ	Ny Faslane	G	VFT 75 CARB	abNL
8655	1040	UFL	Vladivostok R.	RUS	Baudot 50/170 RUS msgs	ewAU
8677	2315	CBV	Valparaiso R	CHL	FAX 120/576 meteo chart	zeTC+dpCH
8683,5	1807	LFI	Globe Rogaland R.	NOR	Idle/cw-id: 'LFI'	aLEU
8702,5	0924		Unid Teleprint	?	RTTY	hb01
8884,6	0217		unid		R50/425/R:5FGS,end:-QRU CW	aLEU
9041	2253	5YE	Nairobi Meteo	KEN	RTTY 100 cq de 5ye ry	zeTC
9117	0914		Unid Teleprint	?	RTTY	hb01
9462,5	2315	ETD3	Addis Aero	ETH	ITA2/50/400 `VTA` cct tfc	pcG
10100,8	1511	DDK2	Hamburg Meteo	D	RTTY 50 RY's	pt53+abNL
10117	0809	BAF4	Beijing Meteo	CHN	FAX 90/576 surf analysis	zeTC
10125	1627	SUU	Cairo Meteo	EGY	FAX 120/576 meteo charts	dpCH
10132	0535	TNL	ASECNA Brazzaville	COG	ITA 50 text+call	pcG+dpCH
10186	0852		Unid Teleprint	?	RTTY	hb01
10200	1455	MKK	RAF London	G	VFT 50 RYI + foxes	zeTC+abNL
10215	1605	HZN	Jeddah Meteo	ARS	ITA2 100 meteo	abNL+pt53+dpCH
10254	1404		Unid	?	RTTY 50 On-line encr. msgs	abNL
10256	1825		Unid	?	100bd Then unid 200-300bd	abNL
10264,1	0845		Unid Teleprint	?	RTTY	hb01
10282,5	1145	MKK	RAF London	G	rtty 50 bd/425, foxes,id	pt53
10302,5	0839		Unid Teleprint	?	RTTY	hb01
10310	0836		Unid Teleprint	?	RTTY	hb01
10315	0835		Unid Teleprint	?	RTTY	hb01
10393,7	2230	RFFVA	FF Paris	F	E3,200/425 idling	ewAU
10407	1458	LN2A	IPS beacon Sveio	NOR	cw-cw/data/rtty bursts	abNL
10424	1157	YMA20	Ankara Meteo	TUR	RTTY 50 ry+sked	abNL+zeTC



## EUNL1999

10442	1545		FAPSI Moscow	RUS RTTY 75 Msg to VTX on link	abNL
10493,7	0605	RFTJF	FF Port Bouet	CTI ARQE3 48 controle de voie	dpCH
10521,7	1947	RFLI	FF Fort De France	MRT E3 192/425 idling	ewAU
10536	1848	CFH	CF Halifax	CAN RTTY 75 wx	abNL
10555	1405	AXI34	Darwin Meteo	AUS FAX 120/576 temp. Ind.OceanzeTC	
10576,8	2232		Unid	? 75/850 encryp. text	ewAU
10584	1425		Fapsi Moscow	RUS RTTY 75 Msgs to KUL 00142	abNL
10767	1500	RGA	Fapsi Moscow	RUS RTTY 75 Msgs to BFR 70004	abNL
10798,3	2237	RFLI	FF Fort De France	MRT E3, 192/425 idling	ewAU
10825	1011		Unid Teleprint	? RTTY	hb01
10855	1417	GXQ	Army London	G VFT 50 Encrypted msgsg	abNL
10905,3	2224		Unid	? 50/850 encrypt. text	ewAU
10917,7	1851	RFTJ	FNY Port Bouet	CTI ARQE-3 48 Msg to RFTJF	abNL
10952	1431	HDB20	MFA Berne	SUI Sitor-A F-msgs to HDB74	zeTC
10980	0958	RDD79	Moscow METEO	RUS FAX	hb01
11007,5	0953		Unid Teleprint	? RTTY	hb01
11014	1436		Fapsi Moscow	RUS RTTY 75 Msgs to NOB 70004	abNL
11039	0949	DDH9	Hamburg METEO	D RTTY	hb01
11068	0946		Unid Teleprint	? RTTY	hb01
11080	1433	YKP32	SANA Damascus	SYR RTTY 50 F-nx, 1437 E-nx	zeTC
11110	0940		Unid Teleprint	? RTTY	hb01
11125,3	1955	HZN	Jeddah Meteo	ARS 100/425 Baudot wx	ewAU
11159,1	0931		Unid Teleprint	? RTTY	hb01
11423,5	1412	SOL242	PAP warsaw	POL Sitor-B, pol.-nx, SPW id	zeTC
11430	1135	HMF55	KCNA Pyongyang	KRE RTTY 50/250 E-nx	zeTC
11476	2335	HMF52	KCNA Pyongyang	KRE FAX 60/352 J/CH nx txt	zeTC
12130,1	1055		Unid	? 75/425 Baudot 5 L/Grps	ewAU
12144,8	1111		Unid	? 100/850 encryp. text	ewAU
12193	1410		FAPSI Moscow	RUS RTTY 75 Msg to KUL no reply	abNL
12193	1410		Fapsi Moscow	RUS RTTY 75 Msgs to KUL 00142	abNL
12582	0917	SAB606	Goeteborg R.	S SITOR	hb01
12584	1503	VIP76	Globe Perth R.	AUS Idle/CW-id: 'VIP'	aLEU
12591	0909	SAB624	Goeteborg R.	S SITOR	hb01
12594	1848	A9M	Hamala R.	BHR Idle/CW-id: 'DE A9M TLX'	aLEU
12595	1034	CUL	Lisbon R.	POR Sitor-B,E/P CULTEX foxes	zeTC
12601	1842	ZSC63	Globe Cape Town R.	AFS Idle/CW-id: 'ZSC'	aLEU
12604,5	1210	WLO	Mobile R.	USA SITOR/A tlx/cw mkr	pcG
12610	1837	VCT	Globe Tors Cove R.	CAN Idle/CW-id: 'VCT'	aLEU
12624	1835	SAB	Globe Goteborg R.	S Idle/CW-id: 'SAB'	hb01+aLEU
12625,5	1036	UCE	Archangelsk R.	RUS SITOR	hb01
12668,6	1028		Unid Teleprint	? RTTY	hb01
12673,5	0922		Unid Teleprint	? RTTY	hb01
12678	1205	LFI	Globe Rogaland R.	NOR Idle/CW-id: 'LFI'	hb01+aLEU
12701	1014		Unid Teleprint	? RTTY	hb01
12711,6	1011		Unid Teleprint	? RTTY	hb01
12714	1100	UCE	Arkhangelsk R.	RUS Sitor-B RUS msgsg	hb01+ewAU
12727	1143	HLF	Globe Seoul R.	KOR Idle/CW-id: 'HLF'	aLEU
12729,9	0959		Unid Teleprint	? RTTY	hb01
12739,9	0956		Unid Teleprint	? RTTY	hb01
12745,5	1105	JJC	Tokyo-Nazaki R.	J FAX 60/576 nx txt	zeTC
12818	0941	SAB63	Goeteborg R.	S SITOR	hb01
12823,5	1938	CTP	NATO Oeiras	POR RTTY 75 NAWS DE CTP QSX	abNL
12852	0931		Unid Teleprint	? RTTY	hb01
12883,4	0921		Unid Teleprint	? RTTY	hb01
12883,9	1128		Unid	? Unksys 100/850 encryp. text	ewAU
12903	1420	RBSL	Bombay IN	IND ITA2/50/850 test mkr	ewAU+pcG
12921,2	1447	MGJ	Ny Faslane	G VFT 75 CARB	abNL
13042,5	1205	FUV	FF Djibuti	DJI ITA2/75/850 ry/sg mkr	pcG
13399	1438	DFZG	MFA Beograd	YUG RTTY	hb01
13411,6	1433		Unid Teleprint	? RTTY	hb01
13514,5	1430		Unid Teleprint	? RTTY	hb01
13920	0930	AXM35	Melbourne Meteo	AUS FAX 120/576 meteo charts	dpCH
13951	1052	HDB20	MFA Berne	SUI Sitor-A 5 lt grps,HDB20/5k	zeTC
13956,5	1024		MFA Tunis	TUN Sitor-B 5lt grps ry de 54 q	zeTC
13961,5	1155	HDB55	SUI Emb Moscow	RUS Sitor-A F-msgsg	zeTC
13963	1138	HDB23	SUI Emb Ankara	TUR Sitor-A F-msgsg to HDB20/2	zeTC
14337,2	0930	BAF	Beijing R.	CHN Baudot wx off freq.?	ewAU
14436	1027	GFE23	Bracknell METEO	G FAX	hb01

EUNL1999

14461,5	1348	BD	French voice on 14460	also using packet	PACKET 300	abNL
14467,3	1023	DDH8	Hamburg METEO	D	RTTY	hb01
14473	1021		Unid Teleprint	?	RTTY	hb01
14585,7	1521	RFPTC	FF N'Djamena	TCD	ARQ-M2	hb01
14681	1137	V5G	MFA Bucharest	ROU	Rum-FEC,164.5 bd,coded	msgsp53
14722,3	1458		Unid Teleprint	?	?	hb01
16044,9	1457		Unid Teleprint	?	RTTY	hb01
16104	1116	LJA20	MFA Oslo	NOR	Sitor-A/TWINPLEX	msgs tfc zeTC
16125,2	1445	RFQP	FF Djibouti	DJI	ARQ-M2	hb01
16193,2	1158	RFQP	FF Djibouti	DJI	ARQ-M2	hb01
16217	1153		Unid Teleprint	?	ARQ-E	hb01
16253,3	1111		Unid	?	Baudot 75/850	5Ltr Grps ewAU
16280,2	1144	RFFA	MOD Paris	F	ARQ-M2	hb01
16310,2	1136	RFFA	MOD Paris	F	ARQ-M2	hb01
16809	1014	VIP35	Globe Perth R.	AUS	Idle/CW-id: 'VIP'	aleU
16811	1012	A9M	Hamala R.	BHR	Idle/CW-id: 'DE A9M TLX'	aleU
16825	1435	WCC	Globe Chatham R.	USA	Idle/CW-id: 'VCT/WCC'	aleU
16841	1028	8PO	Globe Globe Barbados	BRB	Idle/CW-id: '8PO'	aleU
16851	1029	SAB891	Globe Goteborg R.	S	Idle/CW-id: 'SAB'	aleU
16905	1630	FUV	FF Djibuti	DJI	ITA2/75/850	ry/sg mkr pcG
16926	1037	LFI	Globe Rogaland R.	NOR	Idle/CW-id: 'LFI'	aleU
16927	1027	UIW	Kaliningrad R.	KAL	Baudot 50/170	RUS msgs ewAU
16936,9	1027		Unid	?	100/170 encryp. text	ewAU
16951,5	0910	6WW	FF Dakar	SEN	ITA2/75/650	ry/sg mkr abNL+pcG
16957,2	0255	FUM	FNY Noumea	NCL	rtty	dbCE
16961,9	1043	FUF	FNY Fort De France	MRT	Baudot 75/850	RY ewAU
16986	1829	CTP	NATO Oeiras	POR	RTTY 75	NAWS DE CTP QSX abNL
17024	1110	SAB83	Goteborg R.	S	Sitor-A selcalling	ships ewAU
17066	1051	A9M	Globe Hamala R.	BHR	Idle/CW-id: 'A9M'	aleU
17079	1052	HLF	Globe Seoul R.	KOR	Idle/CW-id: 'HLF'	aleU
17106,9	1136		Unid	?	100/850 encryp. text	ewAU
17151,2	1520	NMC	USCG Pt. Reyes	USA	FAX 120/576	surface analys. zeTC
17177	1310	URK9	Kertch R.	UKR	rtty 50, msgs,id,cw-id	pt53
17223,8	0950		Unid	?	100/850	ewAU
18974,5	0900	TAD	MFA Ankara	TUR	FEC-A144,E rep.,de tad	pt53
19530,2	1000	FJY2	FTS Port-aux-Francais(tent)	KER	ARQ96,idling,no ID	pt53
19696	1348	8PO	Globe Barbados R.	BRB	Idle/CW-id: '8PO'	aleU
19706	1353	LSD836	Globe Buenos Aires R.	ARG	Idle/CW-id: 'LSD836'	aleU
19726	1355	A9M	Globe Hamala R.	BHR	Idle/CW-id: 'A9M'	aleU
19910	1118	HLF	Globe Seoul R.	KOR	Idle/CW-id: 'HLF'	aleU
20633,7	1615	RFVI	Le Port FF	REU	ARQE3/100/400	'REI' to ParispcG
20837,1	1457		CUB Emb Brazzaville	CGO	R50/425: 5FGS & opn Sp.msg	aleU
22378	1325	VIP	Globe Perth R.	AUS	Idle/CW-id: 'VIP'	aleU
22447	1345	FUV	Jibuti FF	DJI	ITA2/75/850	ry/sg mkr pcG

T I M E S I G N A L

4996	2255	RWM	TS station Moscow	RUS	cw time + id	abNL
8637	1810	VNG	Sydney TS	AUS	cw-time second ticks	pcG
9996	1449	RWM	TS Moscow	RUS	cw-Time signals	hb01+abNL

Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AZR-Santa Maria Aero	70	QSL-letter	8825	CSY		gsLX
CAN-Iaqluit CGRS	22	f/d lt,infos/IRC	7710	VFF	5000 w	zeTC
D -Gluecksburg Rescue	5	f/d PPC/vc, ms	5680	DHM42	10000 w	pt53
D -NDB Giessen	6	ppc/SASE	314	`GIN`	50w	mm35
D -NDB Koenig	6	ppc/SASE	355	`KNG`	100w	mm35
D -NDB Lichtenau	6	ppc/SASE	341	`LAU`	50w	mm35
D -NDB Ruedesheim	6	ppc/SASE	338	`RUD`	50w	mm35
D -NDB Spessart	6	ppc/SASE	370	`PSA`	100w	mm35
D -NDB Friedrichshafen	20	ppc,i,pers.lt,st	473	`FHA`	100 w	pt53
D -NDB/L Frankfurt	6	ppc/SASE	297	`FR`	20w	mm35
D -NDB/L Frankfurt	6	ppc/SASE	382	`FW`	20w	mm35
D -NDB/L Koeln	6	ppc/SASE	365	`LJ`		mm35
D -NDB/L Koeln	6	ppc/SASE	327	`LV`		mm35

EUNL1999

D -NDB/L Koeln	6	ppc/SASE	300,5	`LW`		mm35
D -Offenbach Meteo	17	f/d lt,ppc	4583	DDK2	1000 w	zeTC
D -Offenbach Meteo	17	f/d lt,ppc	147,3	DDH47	15000 w	zeTC
DNK-Lyngby R.	37	cd,map card,sked	8598	OXZ4		zeTC
DNK-Navy Aarhus	6	ppc/SASE	2352,5	OVK	400 w	gsLX
F -NDB Epinal-Mirecourt	74	ppc/ms	419	`EMT`	50w	hb31
F -NDB Metz	30	f/d ppc,i/vc,USD back	354	`MTZ`	50 w	pt53
F -Ny Brest	16	lt	2789	FUE		zeTC
G -MRSC Falmouth	10	no det.lt/vc,IRC(back)	2226		250 w	pt53
G -MRSC Thames	5	f/d lt,st,I/vc	2182			pt53
G -MRSC Humber	10	f/d cd,lt,I/vc,IRC r)	2226		250 w	pt53
GRC-Limnos Radio	34	f/d cd/vc,USD	2730	SVL	1000 w	pt53
GRL-USAF Thule	22	cd w/out det./vc	11175			pt53
HRV-Rijeka R.	13	cd,sked	8700	9AR	6000 w	zeTC
ISL-Iceland Aero	17	f/d cd/vc, PPC, USD	8891	TFW	10000 w	pt53
IW -Maureen Platform	12	lt/SASE	2182	GBMK		gsLX
IW -MV Apollo Prestige	41	ppc,photo/SAE	2182	C6DR5		gsLX
IW -MV Aurelia	35	ppc/SASE	2182	IBIE	250 w	gsLX
IW -MV Boxer	42	ppc/SASE	2182	ORLI	250 w	gsLX
IW -MV Britannia Monarch	34	ppc/SASE	2182	GRIB		gsLX
IW -MV Cap Canaille	45	ppc,photo/SASE	2182	FQRQ	400 w	gsLX
IW -MV Dana Futura	15	ppc,photo/SASE	2182	IBHD		gsLX
IW -MV Highland Piper	18	ppc,info/SASE	2182	MVfy8	400 w	gsLX
IW -MV Maersk Finder	29	ppc,photo/SASE	2182	MSGR6		gsLX
IW -MV Maersk Gabarus	25	ppc,info/SASE	2182	VCYS		gsLX
IW -MV Marine Explorer	239	ppc,photo/SASE	2182	GUIY		gsLX
IW -MV Norse Tide	35	ppc/SASE	2182	MGWF5	500 w	gsLX
IW -MV Putford Acasta	38	ppc/SASE	2182	MONX2		gsLX
IW -MV Red Martin II	27	ppc,info/SASE	2182	J8RD9	125 w	gsLX
IW -MV Selectivity	10	ppc/SASE	2182	GDMK	250 w	gsLX
IW -MV Stirling Tay	17	ppc/SASE	2182	MXZA5	250 w	gsLX
IW -MV Swallow	23	ppc/SASE	2182	MMCF8		gsLX
IW -MV Toscana	33	ppc,info/SASE	2182	ICGT		gsLX
IW -MV Veesea Hurricane	29	ppc/SASE	2182	C60Y5	250 w	gsLX
IW -MV Viking Vixen	42	ppc/SASE	2182	GUWV		gsLX
IW -MV Waddenzee	46	ppc,info/SASE	2182	PILN	200 w	gsLX
IW -Rig Santa Fe Monarch	20	ppc,lt/SASE	2182	HO2121	600 w	gsLX
JOR-ALIA Base	36	lt w/out det./vc, IRC	9003	ALIA	5000 w	pt53
KEN-Nairobi Meteo	53	f/d lt/ms	17445,6	5YE2	6000 w	zeTC
LVA-Riga Rescue	16	lt,ppc,sticker	5680		600w	mm35
MLT-Malta Radio	36	ppc/SAE	2182	9HD	3000 w	gsLX
POR-R.Naval Apulia	7	ppc/ms	2657		1000 w	hb31
RUS-Petrozavodsk Radio	19	det cd, PPC/vc,USD	12817,5	RUA8		pt53
S -NDB Saltham	15	f/d l/vc, USD	351	`OV`	100 w	pt53
SLO-NDB Brnik	8	ppc,vc, IRC	328	`KAM`		pt53
SNG-KYODO Singapore	20	ppc via Tokyo	17430	9VF209	10000 w	zeTC
TUN-Tabarka R.	21	lt,ppc,tour.-i/IRC	2182	3VT1	750 w	hb31
TWN-Taipai Meteo	38	cd	18560	BMF	10000 w	zeTC
USA-AFN Key West	136	n/d lt/-	12689,5			hb31
USA-MARICOM	9	f/d PPC/vc,USD	8294	WHU959	1000 w	pt53
USA-MARS Shohola	16	det. cd/vc,USD	14402	AAR3CB	800 w	pt53

Membership and Money corner:

Note from the treasurer: For fd40, km40, hs61, js38, (zeTC) the paperversion of EUNL 2-99 will be the last as you haven't paid your fee since November 98!!! Due to renew for February 99: pb40, kjs, fmI and koCH! For April 99: dmRU.

Addresses/Infos/Veri-signers:

A new NDB has started operations from Germany: `MIC` 407,0 kHz Michaelsdorf GC: N5418,0 E01100,0 Source: DFS 15DEC1998 (mm35)

I got an email from Marcus Ramos(PY3CRX/PY2PLL) <http://www.unetsul.com.br/py2p11> on unid NDB's. I forgot to put his info in EUNL 1-99. Sorry Marcus, but nothing gets lost, hi.

384	2029 MT	Unid	?	id		11-98
Meyerton	MT	385,0kHz	S26°33'24"	E28°01'59"	S.Africa	
386	2033 MT	UNID	?	id (once al 5 sec)		7-97
Meyerton	MT	385,0kHz	S26°33'24"	E28°01'59"	S.Africa	

## EUNL1999

400 0607 RA Unid ? id 12-98  
 MANYANI RA 398,0kHz S03°05'59" E38°30'00" Africa  
 402 0052 R(ER?) Unid ? id+tone (once all7-8sec.)7-98  
 COCHABAMBA R 402,0kHz S17°23'44" W66°15'46" S.America  
 Marcus Ramos has a S.America's/Africa's NDB-list at :  
[http://www.unetsul.com.br/py2p11/ndb\\_list.htm](http://www.unetsul.com.br/py2p11/ndb_list.htm) tnx, Marcus!!

Some corrections for the EUNL callsign list from J. Rosa/Portugal, TNX!

CSF 25 - AF Monsanto (delete)  
 CSF 36 - Ponta Delgada (delete)  
 CSF 461 - POR AF Terceira (Portuguese Army (not Air Force))  
 CSF 462 - POR AF Horta (Portuguese Army (not Air Force))  
 CSL 84 - MoI Bragança (close down long time ago)  
 CSP - MoI Lisbon (Police network) not DIP  
 CTC - NY Cascais (close down)  
 CTP - Oeiras (Nato Station) (Transmitter site in Palhais)  
 Corrections will be in the updated list next time!

NDB Brnik: Aerodrom Ljubljana, Zg. Brnik 130a, SI-4210 Brnik-aerodrom, Slovenija (pt53) (v/s: J. Meznarsic, Commercial Director) (pt53)

NDB Metz-Nancy-Lorraine: Administration de Aeroport, Nancy Lorraine Aeroport, Route de Vigny, F - 57420 Verny (pt53)

NDB Friedrichshafen: Flugsicherung, Flughafen Friedrichshafen, Postfach 1520, 88005 Friedrichshafen (pt53) v/s: Philipp Kramer (pt53)

USA MARS Shohola: U.S.Army MARS Station, 6 Walkerlake, Shohola, PA 18458, USA (pt53) (v/s: Scott Rondo, Station Operator) (pt53)

MARICOM: MARICOM, 307 South McKenzie Street, Suite 311, Foley, Alabama 36535, USA (pt53)

ALIA/Royal Jordanien: Royal Jordanian Airlines, BSC Electronics, Avionics and Communications Mgr., P.O.Box 39, Taberbor, Amman (v/s=Ibrahim Muhawesh)(pt53)

USAF Thule: Thule Global HF Station, Unit 82501, APO AE 09704, USA (pt53) (v/s=David Cormack, William E. wirth)(pt53)

NDB Salthamn: Telia Mobile AB, Visby flygplats, 621 41 Visby (pt53)

IW-NDB Hewett A/HWQ 426 kHz: Phillips Petroleum Co. UK. Ltd. 48-29A.Q, Bacton Gas Terminal, Bacton, Norwich, Norfolk NR12 0JG, United Kingdom (rk50)

IW-NDB Sean P/SHO 333 kHz: Sean Papa Platform, Shell UK Expro, P.O.Box 4, Lothing Depot, Lowestoft, Suffolk NR32 2TH, United Kingdom (rk50)

IW-NDB K12Bravo/KB 402 kHz: K12 Bravo Radio Room, c/o Noordzee Helicopters, Luchthavenweg 10, NL-1786 PP Denhelder, The Netherlands (rk50)

F-NDB Epinal-Mirecourt/EMT: District Aéronautique de Lorraine, Maintenance M.N.L. Aéroport Metz Nancy Lorraine, B.P. 16, F-57420 Goin (hb31)

D-Offenbach Meteo/DD.: Enginer, Postfach 100465, D- 63004 Offenbach (zeTC)

CAN-Iqaluit CGRS/VFF: M.C.T.S.O. Iqaluit Canadian Coast Guard Radio Station, P.O.Box 109, Iqaluit, N.W.T. X0A 0H0, Canada (zeTC)

KEN-Nairobi Meteo/5YE: Director of KMS, Kenya Meteorological Services, P.O. Box 30259, Nairobi, KENYA (zeTC)

F-Ny Brest/FUE: Marine Nationale, Service Transmissions et Informatique de la Région Atlantique, B.P. 46, F- 29240 Brest Naval, France (zeTC)

TUN-Tabarka R./3VT1: Chef Centre Radio Maritime, Tabarka 8110, Tunesien (v/s Sleimia Mohamed Lakdar)(hb31)

Thames Coastguard: Maritime and Coastguard Agency, MRSC Thames, East Terrace, GB-Walton-on-the-Naze, Essex CO14 8PY (v/s: Alan Bloom, Watch Officer) (pt53)

Humber Coastguard: Maritime and Coastguard Agency, Humber District, Limekiln Lane, GB - Bridlington, East Yorkshire, YO15 2LX (v/s Clive M. Stephenson, Coastguard Watch Assistant) (pt53)

Falmouth Coastguard: Maritime and Coastguard Agency, MRCC Falmouth, Pendennis Point, Castle Drive, GB-Falmouth, Cornwall TR11 4WZ, (v/s: Stephen Varley, Operations Manager)(pt53)

Limnos Radio: O.T.E., M.K.P. Limnos, 81400 Myrina, Greece: but QSL came from Athens Radio (v/s in Athen: I. Troylis, Manager of Athinai Radio) (pt53)

Petrozavodsk Radio: Petrozavodsk Radio, Pirogovastr. 2, 185630 Petrozavodsk, Karelia, Russia (pt53)

Gluecksburg Rescue: Flottenkommando, Bw 242, Uferstrasse, D-24960 Gluecksburg

Iceland Aero: Gufunes Telecommunications Centre, Box 12240, 132 Reykjavik, Iceland (v/s Bjoern Nielsen (pt53)

9HD Malta R.: Telemalta Corporation, P.O.Box 573, Spencer Hill, Marsa, Valetta, Malta (gsLX)

OVK Navy Aarhus: Soevaernets operative Kommando, Commcenter, Postboks 483, 8100

EUNL1999

Aarhus C (gsLX)  
CSY Santa Maria Radio: <http://www.terravista.pt/aguualto/2010/> (gsLX)  
C6DR5 Apollo Prestige: Marine Industrial Concerns SA, 8 Charilaou Trikoupi Street, GR-185 36 Pireaus, Greece (gsLX)  
FQRQ Cap Canaille: Delom S.A., 16 Quay Francois Maillol, F-34200 Sete (gsLX)  
GBMK Maureen Alpha Platform: Phillips Petroleum Co. UK Ltd., Regent Centre, Regent Road, Aberdeen, Scotland (gsLX)  
GDMK Selectivity: Everard & Sons Ltd, The warf, Greenhite, Kent DA9 9NW (gsLX)  
GRIB Britannia Monarch: Viking Standby Ltd., Annat House, South Quay, Ferryden, Montrose, DD10 9UB, UK (gsLX)  
GUIY Marine Explorer: Eidesvik & Co. A/S, N-5442 Bomlo, Norway (gsLX)  
GUWV Viking Vixen: Viking Standby Ltd., Annat House, South Quay, Ferryden, Montrose, DD10 9UB, UK (gsLX)  
HO2121 Santa Fe Monarch: Santa Fe Drilling Co. (N. Sea) Ltd., Greenbank Crescent, East Tullos Industrial Estate, Aberdeen AB12 3BG, Scotland (gsLX)  
IBHD Dana Futura: DFDS AS, Sankt Annae Plads 30, DK-1295 Copenhagen K (gsLX)  
IBIE Aurelia: Tirrenia di Navigazione SpA., CP142, Rione Sirignano 2, I-80121 Napoli (gsLX)  
ICGT Toscana: Tirrenia di Navigazione SpA., CP142, Rione Sirignano 2, I-80121 Napoli (gsLX)  
J8RD9 Red Martin II: Care Offshore S.A., L'Oujonnet, B.P.5, CH-1195 Bursinel, Switzerland (gsLX)  
MGWF5 Norse Tide: Tidewater Marine North Sea, Souter Head Road, Altens Industrial Estate, Aberdeen AB12 3LF (gsLX)  
MMCG8 Swallow: Tidewater Marine North Sea Ltd., Souter Head Road, Altens Industrial Estate, Aberdeen AB12 3LF (gsLX)  
MPNX2 Putford Acasta: Putford Enterprises Ltd., Columbus Buildings, waveney Road, Lowestoft, Suffolk NR32 1BS, UK (gsLX)  
MSGR6 Maersk Finder: The Maersk Co.Ltd., One Canada Square, Canary Wharf, London E14 5DP, UK (gsLX)  
MVFY8 Highland Piper: Gulf Offshore N.S. Ltd., Salvesen Tower, Blaikies Quay, Aberdeen AB11 5PW (gsLX)  
MXZA5 Stirling Tay: Stirling Shipmanagement Ltd., 16 Woodside Crescent, Glasgow G3 7UT (gsLX)  
ORLI Boxer: Union de Remorquage et de Sauvetage SA, 15 Jordaenskaai, B-2000 Antwerp, Belgium (gsLX)  
PILN Waddenzee: Poseidon Chartering BV, Postbus 20, Landstraat 50-52, 9930 AA Delfzijl, The Netherlands (gsLX)  
VCYS Maersk Gabarus: AP Moller, 50 Esplanaden, DK-1098 Copenhagen K (gsLX)

B O O K R E V I E W by Reinhard Klein-Arendt (rk50)

(two further reviews will be in EUNL 3-1999 -> space problems here, sry!)

Oexner, Michael: The European NDB Handbook, Roschbach 1999  
This Handbook has been compiled by well known NDB-DXer Michael Oexner from official sources like the RAF Enroute Supplements, the popular AERAD list or the Admiralty Lists. The book contains data of more than 3400 active NDBs on Long- and Mediumwave located in Europe, North Africa, the Middle East and the US/Canadian Atlantic regions and on offshore installations such as oilrigs. Moreover it includes widely reported unidentified beacons and irregular callsigns which originate from so-called 'negative keying'. The one or the other NDB mystery may be solved with this latter list on hand. The book, written in English, is divided into three parts: Part 1 shows the entries sorted by alphabetical order of the callsign, part 2 is sorted in frequency order and part 3 in country order. All three parts are most important for the daily NDB DX life. Part 1 is the reference list containing data on callsign, frequency, the authority or company taking care of the NDB, name and location of the NDB, ITU and geographical coordinates. Part 2 proves to be very helpful in those cases when identifying a beacon succeeds only in parts. A look into the frequency list displays all possibilities on and around the actual frequency one is listening to. Part 3 helps to search for NDBs of a special country or direction, just in case propagation allows good reception especially from one direction. A special feature of this list is the offer by the author to calculate the distance and Great Circle bearing for the individual location of the user. Included are also a table showing those NDBs that are nearest to the location of the user, a short introduction to the field of NDB DXing, an ITU list and a table showing the morse alphabet.

EUNL1999

All in all this list is the most complete and most user-friendly NDB list I have ever seen in my 20 years of NDB listening. The exact spelling of the locations, which originate from hundreds of different languages contributes to the positive impression I got.

The spiral-bound handbook will be updated every month and contains approx. 120 pages in DIN A4 format. Costs are DM 30, British P. 15 or \$ 20 (incl. postage and packing to European countries). It may be ordered from: Michael Oexner, Hainfelder Strasse 1, D-76835 Roschbach, Germany, e-mail is michaeloexner@compuserve.com.

The handbooks will be produced individually and due to expected high QRL workload in 1999 a production time of 2 weeks should be expected. Anyone ordering the list shouldn't forget to specify the geographic coordinates of his listening post!

Inquiries Department:

OM Zdenk (zeTC) requests help with RUM9 and addresses for CROSS Toulon, Taskent Meteo and Karachi R./ASK. Anyone???

This great work was made by our (18) famous contributors: pt53, mm35, gsLX, ewAU (Australia), pcG, pdCH, hb01, mo76/mos, abNL, hb31, dbCE (Chile), J.Rosa, dmRU, Marcus Ramos (Brasila), rk50(rk5x=rk50 in Bergheim near Cologne), nr76, zeTC, a1EU

gd dx + 73`s, until next month @

Andreas

EUROPEAN UTILITY NEWSLETTER 2-1999

\*\*\*\*\*
\* Editor: Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY \*
\* Tel.: (49) 02841 / 178529 \*\*\*\*\* e-mail: aibold@aol.com \*
\* Home page: http://members.aol.com/aibold/EUNL.htm \*
\* Treasurer: Norbert Reiner \*
\* Membership fees to: Badische Beamtenbank Karlsruhe \*
\* Konto Nr.: 2038005 BLZ: 66090800 \*
\* Dispatcher: Norbert Reiner \*
\* ----- \*
\* Membership fees for the printed copies: payable to the treasurer \*
\* Germany: 20 DM; Europe: 20 DM (13 \$); Overseas: 25 \$ or the equivalent in \*
\* foreign currency - no cheques please!!) \*
\* \*
\* Deadline: 20th of the month!!! \*
\*\*\*\*\*

Hi ute buffs,

Again two different versions due to very much input! The internet versions has 24 pages!!! We have to welcome another Ute-listener from Punta Arenas/ Chile (dbCE)! No fear, all stations can be easily heard here in Europe. But very nice to see that our journal is well known in wide parts of the world!

N D B

Table with 7 columns: Call number, QTH, Country, Name, Country, Mode, and Call sign. Rows include stations like 274 0301 SAL Sa1 CPV id+dash rk50, 277 0149 CHT Chiltern G id rk5x, 277 0226 BRY Bray-sur-Seine F id+tone mo76, 282 0242 LA Lyneham G id rk5x, 286,5 0135 FT Cap Ferret F id+dash nr76, 288,5 2336 FI Cabo Finisterre E id+tone mm35, 289 2300 MBA Mansbach D id mm35, 291 0028 ONL Liege BEL id pt53, 292 0205 NOV Novara I id rk5x, 292 1500 NKR Neckar D id pt53+mm35, 293 0038 OB Brussel-Zaveltem BEL id + tone pt53, 293,5 2148 BL Butt of Lewis Lt. G id+dash nr76, 295 0950 NB Nuernberg D id mm35

## EUNL1999

296	0205	MG	Ljubljana	SVN	id	rk5x
297	0957	FR	Frankfurt	D	id	mm35
300,5	0955	LW	Koeln/Bonn	D	id	mm35
303,5	0012	BJ	Bjoernsund lt.	NOR	id	mm35
304,5	0237	PS	Point Lynas Lt.	G	ids+dash	nr76+rk5x
304,5	0219	SB	Sumburgh Head Lt.	G	ids+dash	rk50
305,5	2128	FP	Fife Ness Lt.	G	id+dash	nr76
305a	0229	FQ	Unid		ids+dash	maritime rk5x
307	2300	DIK	Diekirch	BEL	id	mm35
307,5	0222	PA	Palma/Son San Juan	E	id	mo76
309	2346	SG	Satenas	S	id	mm35
311	1445	CEL	Celle	D	id	zeTC+mm35
311,5	0010	GD	Girdleness	G	id+dash	zeTC+nr76
314	0959	GIN	Giessen	D	id	pt53+mm35
315	2150	VS	Tampere Pirkkala(tent)	FIN	id	pt53
316	2155	PH	Eindhoven	HOL	id + tone	pt53
317	2349	OKG	Cheb	CZE	id	mm35
318	1842	LE	Luxembourg	LUX	id	zeTC+mm35
318	0000	L	Tallinn	EST	id	mm35
319	2347	N	Unid (TE? T?)	?	id (all 5 sec)	nr76
319	2208	VAR	Stavanger	NOR	id	mm35
320	1001	HA	Hannover	D	id	mm35
321	0248	GV	Granville	F	id+dash	rk5x
323	1916	ONC	Charleroi/Gosselies	BEL	id + tone	pt53
325	1507	DP	Diepholz	D	id+dash	rk50
325	0015	BH	Oskarshamn	S	id	mm35
327	1005	LV	Koeln/Bonn	D	id	mm35
328	0027	TRO	Joday	LBY	id	nr76+rk5x
328	0609	KAM	Ljubljana/Brnik/Dolsko	SVN	id+tone	pt53+mo76
329	2213	KQ	Krupki	BLR	id	mo76
330	0601	ZRA	Zadar	HRV	id	mo76
331	2216	TUR	Tours	F	id+dash	nr76
331	1035	NMN	Mendig	D	id+tone	pt53+mm35
331	0550	L	Satu Mare	ROU	id	mo76
334	0017	MR	Maribor	SVN	id+dash	rk5x
334	1009	HDM	Coleman	D	id	mm35
336,5	2212	NIK	Nicky	BEL	id + tone	pt53
337	2029	ZL	Maastricht	HOL	id	pt53
337	2300	PIA	Piacenza ?	I	id	mm35
338	0108	MNW	Muenchen	D	id	zeTC
338	0301	GE	London/Gatwick	G	id	rk5x
338	1012	RUD	Ruedesheim	D	id	mm35
339	0232	AY	Velikiye Luki	RUS	id	zeTC+mo76
341	1014	LAU	Lichtenau	D	id	mm35
341	1710	POR	Pori	FIN	id	mm35
344	0001	HEK	Heka	FIN	id	mm35
346	0306	LHO	Le Havre	F	id	rk5x
346	0005	GS	Gavie	S	id	mm35
346	1849	WLU	Luxembourg	LUX	id	mm35
347,5	2021	MSK	Oslo/Morskogen	NOR	id	moS
348,5	1450	LG	Liege	BEL	id	mm35
349	0018	JX	Vaxjo	S	id	mm35
349	1018	KSL	Kassel	D	id	mm35
351	2350	OV	Visby	S	id	mm35
351,5	0008	PLA	Pula	?	id	mm35
352	0234	WOD	woodley	G	id	rk5x
352	1650	RBU	Roros/Rambu	NOR	id	moS
353	0111	KRT	Kartouzy	POL	id	zeTC
353	2135	KIL	Kiel/Holtenau	D	id	zeTC+mo76
354	2001	MTZ	Metz	F	id + tone	pt53
354	0007	PAD	Paderborn	D	id	mm35
355	1025	KNG	Koenig	D	id	mm35
356	0122	SU	Surheim for salzburg	D	id	zeTC
358	0033	ROU	Suceava	ROU	id	nr76
358	1655	AS	Arvidsjaur	S	id	moS
358	1654	GRK	Trondheim/Grakallen	NOR	id	moS
359	0311	LOR	Lorient	F	id+dash	rk5x
360	0124	SR	Saarbruecken-Ensheim	D	id	zeTC

## EUNL1999

360,5	0010	MAK	Mackel	BEL	id+tone	mm35
361	0127	RO	Kauhava	FIN	id	zeTC
361	0012	LIE	Turku	FIN	id	mm35
362	0310	NN	Eskilstuna	S	id	zeTC
363	1030	SCF	Schweinfurt	D	id	mm35
363,5	2300	LXI	Luxeuil	F	id	mm35
364	0012	RSO	Paris-Charles de Gaulle	F	id	mm35
365	1032	LJ	Koeln/Bonn	D	id	mm35
365	0556	VIL	Vilnius	LTU	id	mo76
365,5	0015	BC	Braschaat	BEL	id	mm35
366	0136	MB	Maribo-Lolland	DNK	id	zeTC
366	0016	KM	Kalmar	S	id	mm35
366,5	1725	BER	Bern-Belp	SUI	id	mm35
368	0140	FN	Findal-Skien	NOR	id	zeTC
368,5	1855	ELU	Luxembourg	LUX	id	mm35
369	0313	MNE	Muenchen	D	id	zeTC
370	1040	PSA	Spessart	D	id	mm35
371	2024	BRS	Bremsnes for Kristiansund/kvernberget	NOR	id	moS
372	0607	SKD	Skaudivile	LTU	id	mo76
372	2214	ODR	Otteroy	NOR	id	mm35
373	2252	NW	Maastricht	HOL	id	pt53
374	0321	RNR`E`	Radnor	G	id	rk5x
374	2028	BL	Forde/Bringeland	NOR	id	moS
374,5	1043	SOG	Solling	D	id	mm35
375	2352	RB	Orebro	S	id	mm35
380	0606	KA	Tirana/Rinas	ALB	id	mm35+mo76
381	0049	AB	Akraberg	FAR	id	pt53
381	0017	ESP	Espoo	FIN	id	mm35
382	0329	GAZ	Gazoldo	I	id	rk5x
382	1047	FW	Frankfurt	D	id	mm35
384	0151	TY	Torsby/Fryklanda	S	id	zeTC
384	0249	ADX	Andraitx	E	id	rk50
385	0156	KV	Kilo-Victor Halli	FIN	id	zeTC
385	0603	AVN	Vilnius	LTU	id	mo76
386	0018	EH	Egelsbach	D	id	mm35
387	2143	SOK	Oslo/Gardermoen/Sokna	NOR	id	mo76
388	0018	COR	Corner	S	id	mm35
389	0259	BV	La Palma	CNR	id	rk50
389	0234	PX	Perigeux	F	id+dash	rk50
389	2316	HY	Skive	DNK	id	mm35
390	0034	ITR	Istres	F	id+dash	mm35
392	0524	KOR	Korinthos	GRC	id	zeTC
392	0525	RAN	Ranta	FIN	id	zeTC
392	1015	VUN	Verdun	F	id+dash	mm25+nr76
392	0038	GDY	Mariehamn	FIN	id	mm35
392	1959	RW	Berlin-Tege1	D	id	mm35
392,5	0038	TOP	Turino	I	id	mm35
393	0326	VL	Valladolid	E	id	rk50
393	2221	DEN	Dendermonde	BEL	id + tone	pt53
394	0226	IBZ	Ibiza	E	id	rk50
394	0041	TW	Thisted	DNK	id	mm35
395	0203	GE	Billund	DNK	id	zeTC
396	0216	JC	Rigolet	CAN	id+dash	rk5x
396	0041	HYV	Hyvinka	FIN	id	mm35
397	0208	OP	Dublin	IRL	id	zeTC
397	0209	AA	Aliabad-Tehran	IRN	id + dash	zeTC
398	0215	GL	Gjol/Aalborg	DNK	id	zeTC
398	0042	PEO	Stockholm	S	id	mm35
399	1053	WBD	wiesbaden	D	id	mm35
399	0045	NGY	New Galloway	G	id	mm35
399,5	2330	ONO	Oostende	BEL	id	mm35
400	0333	MSW	Muenchen	D	id	zeTC
401,5	0710	BET	Rheine-Bentlage	D	id	mm35
403	1059	HAB	Hammelburg	D	id	mm35
403	1809	LPS	Les Eplatures	SUI	id	mm35
404	0532	JAN	Janne-Halli	FIN	id	zeTC
404	0230	LRD	Lerida	E	id	rk5x
404	1755	DA	Torp	NOR	id	mm35



## EUNL1999

404	1757	LW	Luxembourg	LUX	id	mm35
406,5	1501	BOT	Bottrop	D	id	mm35
407a	0259	MIC	Michaelsdorf	D	id	rk50
409	2240	SG	Satenas	S	id	mm35
410	1021	ETN	Etain/Rouvres	F	id+dash	nr76
412	2330	SIG	Sigonella	I	id	mm35
412a	0224	BT	Unid	?	id (7x = 1 min)	zeTC
413	2304	BOA	Bologna	I	id	pt53
413	1500	KTI	Innsbruck	AUT	id	mm35
413,5	1905	DLS	Luebars	D	id	mm35
414	2330	SLB	Oslo	NOR	id	mm35
415	1115	RTB	Roethenbach	D	id	mm35
416	0225	POZ	Belgrade/Pozarevac	YUG	id+dash	rk5x
417	1907	AH	Angelholm	S	id	mm35
417	1116	HDL	Heidelberg	D	id	mm35
418	0226	L	Tallinn-Ulemiste	EST	id	zeTC
419	2200	RD	Vasteras	S	id	mm35
421	2330	MF	Halmstad	S	id	nr76+rk50+mm35
423	2223	FE	Odense	DNK	id	mm35
425	1120	ERT	Erfurt	D	id	mm35
425	1756	WYP	UNID wipper?	?	id	mm35
426	2330	MIQ	Mike	D	id	mm35
428	2238	TGM	Targu Mures	ROU	id	mm35
429	1915	D	Praha	CZE	id	mm35
429	1124	GBL	Giebelstadt	D	id	mm35
429	2247	LOS	Losinj	CRO	id	mm35
431	0001	SAY	UNID (Stornoway, ed)	G	id	mm35
431	1127	HNU	Hanau	D	id	mm35
434	2200	SL	Leipzig	D	id	mm35
434	1802	THN	Thorn	HOL	id	pt53+mm35
435	0238	SM	Semyenovka	RUS	id	zeTC
435	1129	ZBN	Zweibruecken	D	id	mm35
438	0241	B	Bratislava-Barka	SVK	id	zeTC
440	2303	TRG	Targiviske	BUL	id	mm35
440	2253	PIA	Piacenza	I	id	mm35
450	2306	PDV	Plovdiv	BUL	id	mm35
452	1131	ANS	Ansbach	D	id	mm35
453	1808	CN	Pristany	SVK	id	mm35
468	1134	FTZ	Fritzlar	D	id+tone	mm35
473	1136	FHA	Friedrichshafen	D	id	pt53+mm35
473	0026	LD	Kishinou	MDA	id LD LD - LD LD	mm35
473	2300	RZE	Rzeszov	POL	id	mm35
475	2330	RP	Pernek	SVK	id	mm35
482	2215	LOU	Louvigny/Metz-Nancy	F	id + dash	mm35+pt53
482	1809	SWH	Schwaebisch-Hall	D	id	mm35
484	2300	IA	Brno-Turany	SVK	id+tone	mm35
488	1920	ILM	Illesheim	D	id	mm35
489	1148	SIL	Siegerland	D	id	mm35
490	1810	DVI	Donaueschingen	D	id	mm35
495	2311	PA	UNID	?	id	mm35
513	2300	CLJ	Cluj	ROU	id	mm35
654	2241	MO	UNID (Akmola, KAZ?)	?	id (4x2x=1 min)	dmRU
662	2121	KJ	UNID	?	id (8x=1 min)	dmRU
769a	2245	QU	UNID	?	id (6x=1 min)	dmRU

(a)EU+pt53: your NDB loggings will be in EUNL 3-99)

## F I X E D

2700	1958	FDE14	FAF Contrexeville	F	cw-vvv	a)EU
2720,5	1742	FDE14	AF Contrexeville	F	cw-vvv	pt53
2741	2001		Mossad	ISR	am-vmf 'ULX'	a)EU
2743	1707		Mossad	ISR	am-YL 5 LGS	a)EU
2844	0002		Mossad	ISR	am-vmf 'YHF1'	a)EU
3000a	2245	Many	CIS/Russian AM Chat-Pirates		on 2500a-3200a khz INFOS?	a)EU
3150	1931		Mossad	ISR	am-vmf 'PCD2'	a)EU
3167	1924	P	RUSNy Kaliningrad	KAL	cw-channelmarker	dmRU
3270	2250		Mossad	ISR	am-vmf 'MIW2'	a)EU
3381	2255	4XML	unid		cw-vvv-mkr to BFR7	a)EU

## EUNL1999

3687	0828	PA6PCH	Scheveningen R. Farewell	Party HOL LSB w/ON4BBC,ON5AZ	abNL
3699,5	1658	P	Ny Kaliningrad	KAL cw	hb01
3803	0109		unid Russian	RUS cw-time mkr: 0409 0409 ...	a1EU
3809	2210	FDG	AF Bordeaux	F cw-v mkr	pcG
3809	1925	FDG	FAF Bordeaux	F cw-vvv	a1EU
3886,5	0810	AEM1WF	MARS Unid	D LSB,E,wkg AEM1ZLB	pt53
3886,5	0810	AEM1ZLB	MARS Unid	D LSB,E,wkg AEM1WF	pt53
3886,5	0835	AEM1AA	MARS Unid	D LSB,E,wkg AEM1WF	pt53
4165	1848		Mossad	ISR am-vmf 'VLB2'	a1EU
4270	2140		Mossad	ISR am-YL 5 LGS	a1EU
4313	1752	A2A	unid	cw-CQ mkr	a1EU
4325	0019	R	Ny Ustinov	RUS cw marker	abNL
4360	2145		Mossad	ISR am-vmf E 'SYN2'	a1EU
4461	2200		Israeli intel.	ISR AM FTJ + 5LGS	a1EU+abNL
4463	2244		Mossad	ISR am-YL 5 LGS	a1EU
4485	1355		Czech Lady [S17]	CZE USB 555 313 etc //5028 khz	abNL
4485	1355		Czech Lady [S17]	CZE USB 555 313 05 // 5028 khz	abNL
4518	1909	FDI22	FAF Contrexeville	F cw-vvv	a1EU
4543	2230		Golf Kilo [G16]	D USB 5FG YL/GG	abNL
4546	2210		Russian Man [S07]	RUS AM 147 147 147 1 3848 45	abNL
4560	2140		English Man [E07]	RUS AM 915 1 609 64 609 64 5FG	abNL
4560	1903		Mossad	ISR am-vmf 'YHF'	a1EU
4594	2100	GK	Station Golf Kilo	D USB Msg for 571 85 groups	abNL
4596	1902	FDI8	FAF Nice	F cw-vvv	a1EU
4606	2100		Russian Man [S06]	RUS AM 345 5FG ends 00000	abNL
4613	2206		M12?	RUS cw in progress Single 5FGs	abNL
4665	2153		Mossad	ISR am-vmf 'KPA2'/2114z 'MIW2'	a1EU
4725,5	1500	MP	Unid usb,E with different	accents wkg a/c,Bosnia-net?	pt53
4755	1819	IEY55	unid Italian Military	I wkg IEY54, IEY57	a1EU
4755	1819	IEY54	unid Italian Military	I wkg IEY55	a1EU
4755	1820	IEY57	unid Italian Military	I wkg IEY55	a1EU
4846	2100	M13A		? cw695 695 695 000 (R5)=178	abNL
4880	1732		Mossad	ISR am-vmf E 'ULX2'	a1EU
4884	1248		unid: Polish/Czech ?	usb-OM, Pol/Cz? 5 LGS	a1EU
4910	1613	Bilog 88	unid: Russian Mil. ?	?RUS usb-R/YL, w/Bilog 01/30/83	a1EU
4950	1818		M01B	? cw 103 (R4) 523 523 45 45==	abNL
4956	1617	RJF94	unid: Russ. Mil.Aero ?	RUS cw-wkg RCB, RCH84 w/QSA?	a1EU
4956	1619	RCB	unid	RUS cw-wkg RJF94, simplex QSA?	a1EU
4956	1622	RCH84	unid	RUS cw-wkg RJF94, simplex QSA?	a1EU
4965	1908		UNID	RUS?cw-clg RGG90	dmRU
4965	1607	RGG90	unid	RUS cw-QSA-tfc, id: 'RGG9T'	a1EU
5027	1718		M10	? cw in progress 487 26 46 5FG	abNL
5028	1355		Czech Lady [S17]	CZE USB 555 313 05 42 //4485kHz	abNL
5080	1600		English Man [E06]	RUS AM 105 (R4) 846 109 5FG	endsabNL
5080	2130		German Lady [G07]	RUS AM in progress 5FG 000 000	abNL
5090	0115	FDG	FAF Bordeaux	F cw-vvv	a1EU
5091	1739		Mossad	ISR am-vmf 'JSR'	a1EU
5121	2021	JMW9	unid tactical	cw-clg mkr to AQH4	a1EU
5150	2024	VTK	Ny Tuticorin	IND cw-vvv. New Frequency ??	a1EU
5154	2241	P	Ny Kaliningrad	KAL cw	abNL
5154	2241	C	Ny Moscow	RUS cw	abNL
5178	1856		Backwards Music Station	I	abNL
5200	1230	FDE14	FAF Contrexeville	F cw-vvv	a1EU
5230	2159		Mossad	ISR am-vmf 'KPA2'/2006z:'MIW2'	a1EU
5239,5	1537	LUCHE	unid Italian Military	usb-wkg PIOTO	a1EU
5257,5	1610	FDI22	FAF Narbonne	F cw-vvv	a1EU
5267	1441	2RB	unid NATO Military (Eur.)	usb-wkg J5F, QRM HEP5 5268	a1EU
5268	1855	HEP5	Kantonspolizei Zuerich	SUI cw-vvv DE HEP5	abNL
5270	1436	ICS	Ny La Spezia	I usb-clg unid	a1EU
5270	1424		unid Russian, Military	usb-OM/R clg BAIKAL 27,etc	a1EU
5312	1417	NAHX	unid tactical	cw-clg BPX3 w/QLW QSA/QRK?	a1EU
5315	1444		unid Russian, Meteo ?	usb-R wx reports 'PAGODA'	a1EU
5322	2150		Russian Man [S07]	RUS AM 147 147 147 1 3848 45	abNL
5322	1233	FDG	FAF Bordeaux	F cw-vvv	a1EU
5337,5	1446	FDG	FAF Bordeaux	F cw-vvv	a1EU
5342	0900	FDY	AF Orleans	F cw-vvv mkr	a1EU+pcG
5352	0847	FDI8	FAF Nice	F cw-vvv	a1EU
5363	2130		Russian Man [S07]	RUS AM 168 168 168 000	abNL

EUNL1999

5365,5	1857	AW3V	unid tactical		cw-wkg VSAY	aLEU
5376	2110		German Lady [G07]	RUS	AM 742 742 742 1 achtung973	abNL
5387	2312	FDE14	FAF Contrexeville	F	cw-vvv	aLEU
5421	1933		unid 'Number Station'		cw-mkr: 517	aLEU
5422	2203		Brit. Intelligence	?G	mm/vmf EE clg 87751	aLEU
5423	1926		unid Arab Net		usb	aLEU
5427	2210		M12	RUS	cw-946 946 946 1 6328 233 6	abNL
5435	2205		Mossad	ISR	am-vmf 'ART'	aLEU
5446,5	1239	FDC	FAF Metz	F	cw-vvv	aLEU
5474	1213	Santa	unid USAF 'Santa Claus Net'		usb-E greets to mni childs	aLEU
5520	0830		M03	?	cw 019/00	abNL
5530	2002		unid Mossad ??		am-vmm: QUEEN ROBERT UNION	aLEU
5530	2006				am-vmm: NANCY ADAM SUSAN	aLEU
5530	1810		Mossad	ISR	am-vmf E 'MIW2', s/off	aLEU
5574,9	1304		unid		cw-wx bull 'PROGNOZ', Russ?	aLEU
5629	2348		Mossad	ISR	am-vmf 'VLB2'/2119z 'KPA2'	aLEU
5645	0104	4XML	unid		cw-vvv mkr to BFR7	aLEU
5746	2208		Brit. Intelligence	?G	vmf E/mm to 60708	aLEU
5748	2119		unid Number Station		cw-mkr: 269 269 269 TTTT	aLEU
5748	0215	FDG	FAF Bordeaux	F	cw-vvv	aLEU
5820	1847	FDG	FAF Bordeaux	F	cw-vvv	aLEU
5820	2031		Mossad	ISR	am-vmf 'YHF'	aLEU
5822	1803	FDG	FAF Bordeaux	F	cw-vvv	aLEU
5834	1758		unid Number Station		vmm willian Susan Peter	aLEU
5860,5	0854	FDE14	FAF Contrexeville	F	cw-vvv	aLEU
5873	1451		Russian Air Defence	RUS	cw =991849??T?????	aLEU
6745	0624		Mossad	ISR	am-vmf E 'MIW2'	aLEU
6770	1307	LED ?	unid: Polish/Czech/etc?		to LUDWIG DORONTA TADE'UZ	aLEU
6780	2125		unid Number Station		usb-6 tone mm	aLEU
6780	2214		unid Nr Stn, CIA's TCS ?		usb-YL/E 5(3-2) FGS	aLEU
6815	0728	ICI	COMPAMARE Roma	I	usb,I/E r/c with ICI03	pt53
6815	0859	ICI01	COMPAMARE Genova	I	usb,I/E clg IHTB/CP-248	pt53
6815	0722	ICI03	COMPAMARE Fiumichino	I	usb,I/E clg ICI 12	pt53
6815	0732	ICI04	COMPAMARE Napoli	I	usb,I/E r/c with ICI 11	pt53
6815	1653	ICI05	COMPAMARE Reggio Calabria	I	usb,I/E wkg Orca 01	pt53
6815	0708	ICI06	COMPAMARE Bari	I	usb,I/E clg Comp.Manfredonia	pt53
6815	0718	ICI09	COMPAMARE Palermo	I	usb,I r/c with NA 1	pt53
6815	0732	ICI11	COMPAMARE Catania	I	usb,I/E r/c with ICI 04	pt53
6815	0706	ICI12	COMPAMARE Palermo	I	usb,I clg ICI 06	pt53
6815	0730	ICI13	COMPAMARE Cagliari	I	usb,I/E clg ICI 02 for r/c	pt53
6815	0738	NA1	NAGC Catania-Fontanarossa	I	usb,I,clg ICI 03	pt53
6815	1601	NA2	NAGC Luni-Sarzana	I	usb,I, clg Orca 01	pt53
6815	0932		Compamare Rimini	I	usb,I wkg ICI	pt53
6815	0945		Compamare Mazaro	I	usb,I wkg ICI	pt53
6825	1543	FAV22	Army Mont-Valerien	F	cw-vvv DE FAV22	abNL
6835	1258		unid Italian Military	I	LSB-'passo' msgs YL to OM	aLEU
6836	1304	FDG	FAF Bordeaux	F	cw-vvv	aLEU
6838	2144	FDE14	FAF Contrexeville	F	cw-vvv	aLEU
6840	1933		Mossad	ISR	am-vmf 'EZI'	aLEU
6871	1546	HEP7	Kantonspolizei Zuerich	SUI	cw-vvv DE HEP7	abNL
6875	2243	FDI22	FAF Narbonne	F	cw-vvv	aLEU
6880	1909	TAVOLA 2	unid Ital. Navy Vessel	IW	usb-wkg Delfino	aLEU
6880	1909	DELFINO	unid Ital. Navy		wkg Tavola 2	aLEU
6880	1910	DORIA	unid Ital. Navy		wkg Tavola 2	aLEU
6880	1912	TAVOLA 4	unid Ital. Navy Vessel	IW	wkg Tavola 2	aLEU
6880	1931	TAVOLA 3	unid Ital. Navy Vessel	IW	wkg DORIA	aLEU
6953	2142	FDY	FAF Orleans	F	cw-vvv	aLEU
6959	2004		Brit. Intell	?G	usb:E vmf/mm to 59683	aLEU
6968	1902		unid Number Station		6 tone mm/into CW/l8r RTTY	aLEU
6981,5	1600		M13	?	cw 926 5FG ends 000	abNL
7039	1734	C	Ny Moscow	RUS	cw	abNL+hb01
7335,5	1501	FDC	FAF Metz	F	cw-vvv	aLEU
7811	1748		Mossad	ISR	am-vmf E 'CIO2'	aLEU
8030	1500		English Man [E06]	RUS	AM 924 (R4) 605 81 5FG ends	abNL
8170	1333		English Man [E06]	RUS	AM in progress Ends w/00000	abNL
8188	1202		Swedish Rhapsody [E23]	?	USB in progress	abNL
8300	1500		New Star BC station	TWN	AM Numbers after flute tune	abNL
8437	2317	4XZ	Ny Haifa	ISR	cw-vvv marker	abNL

## EUNL1999

8495	0020	C	Ny Moscow	RUS	cw	abNL
9186	0907	HEP9	Kantonspolizei Zuerich	SUI	cw	hb01
9725	1440		New Star BC station	TWN	AM Numbers in progress	abNL
10046	1447	4XZ	Ny Haifa	ISR	cw-vvv marker	dbCE+abNL
10125	2049		Mossad	ISR	am-vmf E 'CIO2'	aLEU
10144	1130	DK0WCY	DARC Aurora Beacon	D	USB	abNL
10248	1941	8BY	F Intelligence	F	cw-mkr de 8by vvv de 8by	ewAU
10302,5	1042	REA4	unid Russian Nr. Stn	RUS	cw-5 LGS, end: =REA4	aLEU
10420	1420	FDI8	AF Nice	F	cw-vvv marker	abNL
10570	1525		M12?	?	cw-in progress, single 5FGs	abNL
10648	1800		Israeli intel	ISR	AM YHF + 5LG	abNL
10871,8	1434	P	Marker Kaliningrad	KAL	cw	abNL
10871,9	1434	S	Marker Arkhangelsk	RUS	cw	abNL
10872	1434	C	Marker Moscow	RUS	cw	abNL
10872	1005	P	SLB Kaliningrad	KAL	cw	abNL+hb01
10872	1009	S	SLB Archangelsk	RUS	cw	abNL+hb01
10872	1005	C	SLB Moscow	RUS	cw	abNL+hb01
11270	0820		Russian Man [s25]	RUS	AM 615 615 615 64446 66046	abNL
13528	1428	C	Ny Moscow	RUS	cw	hb01
13528	1426	S	Ny Archangelsk	RUS	cw	hb01
13545,2	1425	PCW1	MFA Den Haag	HOL	cw/SIT	hb01
13907	1230		unid	?	AM numbers	dbCE
14402	1803	AA9PP	MARS Unid	?	usb,E,wkg AEM1WNL	pt53
14402	1803	AEM1WNL	MARS Unid	D	usb,E,wkg AA9PP	pt53
14402	1730	AAR1HG	MARS Unid in ME	USA	usb,E,wkg AAR3CB	pt53
14402	1730	AAR3CB	MARS Shohola, PA	USA	usb,E,wkg AAR1HG	pt53
14402	1737	AAR4CSS	MARS Silver Springs, FL	USA	usb,E,wkg AAR1HG	pt53
14402	1616	AAR1HG	MARS, ME	USA	usb,E wkg AAR3CB	pt53
14402	1616	AAR3CB	MARS Shohola, PA	USA	usb,E wkg AAR1HG	pt53
14402	1627	AEM1WF	MARS	D	usb,E wkg AAR3CB	pt53
14487	1600		Lincolnshire Poacher	CYP	USB Id 39164	abNL
14487	1300		Lincolnshire Poacher	CYP	USB Id 97324	abNL
14667	1217	DINO	unid Spanish		usb-clg ELEPHANT	aLEU
14890	0815		Russian Man [s25]	RUS	AM 615 615 615 64446 64446	abNL
14931	1158	8BY	INTEL	F	cw-vvv	pt53
16086	1100		Counting Station	?	USB Id 010	abNL
16249,9	1125		Unid	?	cw-mkr 5ltr Grps T as Zero	ewAU
16329	0953	AL4	unid		usb-OM/E clg ZULU VICTOR	aLEU
16332	1129	S	Ny Archangelsk	RUS	cw	hb01
16332	1126	C	Ny Moscow	RUS	cw	hb01
17410	1111		Mossad	ISR	am-YL 5 LGS	aLEU
22108	1300		Cherry Ripe	GUM	USB id 79161	abNL
23461	1108		Cherry Ripe	GUM	USB in progress vy clearly!	abNL

## M A R I T I M E

1641	2036	OXJ	Torshavn R.	FAR	usb,E,nav. warning	aLEU+pt53
1641	2110	GNI	Niton R.	G	Gale warn	aLEU
1665	1649	LGT	Tjöme R.	NOR	usb,E/norw.,gale-warning	pt53
1665	1726	OSU	Oostende R.	BEL	usb,E,tfc	aLEU+pt53
1677	1836	EAS	Cabo Penas R.	E	Sp bull.	aLEU
1680	1834	LGL	Florö R.	NOR	usb,E/norw., nav. warning	pt53
1689	0006	EAL	Las Palmas R.	CNR	usb-E nav/warn	aLEU
1707	2235		Machichaco Radio	E	Sp/E PAN PAN	aLEU
1728	1836	LGN	Bergen R.	NOR	tfc	pt53+aLEU
1734	1705	OXZ	Lyngby R.	DNK	usb,E,tfc-list	pt53
1755	1636	EAO	Palma de Mallorca R.	E	Sp bull.	aLEU
1758	2035	OXJ	Torshavn R.	FAR	usb,E,nav. warning	aLEU+pt53
1758	1907	OXZ	Lyngby R.	DNK	E nav/warn	aLEU
1782	1605	LFO	Orlandet R.	NOR	usb,E/Norw.,gale-warning	pt53
1785	1640	LGZ	Farsund R.	NOR	usb,E clg C6NK6	aLEU+pt53
1792	1950	7TA	Algiers R.	ALG	wkg unid, QSX 2049	aLEU
1794	1836	SPO	Szczecin R.	POL	usb,E,tfc-list,id	pt53
1852	2044	IPP	Palermo R.	I	I nav/warn, //2632	aLEU
1855	2139	IQP	San Benedetto Tronto R.	I	nav/warn of Trieste //2624	aLEU
1856	2058	HZH	Jeddah R.	ARS	wkg HP9255, QSX 2286	aLEU
1869	2153	GKZ	Humber R.	G	Gale/warn	aLEU
1876	1640	IQN	Lampedusa R.	I	I bull., //2600	aLEU

## EUNL1999

1883	1803	GPK	Portpatrick R.	G	usb,E,nav. warning	pt53
1888	2114	IPD	Civitavecchia R.	I	wkg MV Faminia, QSX 2222	a1EU
1906	1834	FFM	Marseille R.	F	usb,F,wx // 2649, 3792	pt53
1925	1638	IPL	Livorno R.	I	I bull., //2642	a1EU
1925	1811	GKZ	Humber R.	G	wkg J8FZ4, QSX 2105	a1EU
2002	1928	MFZG9	M/V St.Thomas	IW	wkg Humber	a1EU
2023	2026	IBMX	M/V .Cabo Argentio	IW	wkg Ancona	a1EU
2040	1854	IBVO	M/V Espresso Venezia	IW	wkg Ancona	a1EU
2040	2033	IBSD	M/V Egitto Express	IW	wkg Ancona	a1EU
2045	1918	J8TJ3	M/V Giovanna	IW	wkg Crotone	a1EU
2048	2107	ICOC	M/V Clodia	IW	wkg Genova	a1EU
2090	2111	C6IX5	M/V Saga City	IW	wkg Oostende	a1EU
2096	2120	J8UG2	M/V Lady Laura	IW	wkg Farsund R., QSX 1671	a1EU
2105	1810	J8FZ4	M/V Marja	IW	wkg Humber R., QSX 1925	a1EU
2182	1704	7TA	Alger R.	ALG	usb,E/F,QSY 1792	pt53
2182	1902	LZW	Varna R.	BUL	usb,E,QSY 3740	pt53
2182	1704	EAO	Palma R.	E	usb,E/S QSY 1755	a1EU+pt53
2182	1734	EAR	La Coruna R.	E	usb,E/S,id,QSY 1698	pt53
2182	2338	EAC	Tarifa R.	E	wkg ICGA	nr76
2182	1705		Cross Corsten	F	usb,F,QSY	pt53
2182	2006		Cross Med	F	usb,F,QSY	pt53
2182	2350	EAL	Las Palmas R.	CNR	usb,S/E,ID QSY 1689	a1EU+pt53
2182	2351		Arrecife R.	CNR	usb,S/E,ID QSY 1644	pt53
2182	0107	OXZ	Lynby R.	DNK	usb,E,QSY 1734,1704,1758	pt53
2182	2003		Cabo de Gata R.	E	usb,E/S QSY 1767	pt53
2182	1735		Machichaco R.	E	usb,E/S QSY 1707	a1EU+pt53
2182	2004	EAL	Tarifa R.	E	usb,E/S,QSY 1704	pt53
2182	1706	EAS	Cabo Penas R.	E	usb,E/S ID,QSY 1677	pt53
2182	1833	FFM	Marseille R.	F	usb,F,QSY	a1EU+pt53
2182	1933	FFU	Brest-le-Conquet R.	F	usb,F/E,QSY 3722	pt53
2182	2034	OXJ	Torshavn R.	FAR	usb,E QSY 1758, 1641	pt53
2182	1932	OFK	Turku R.	FNL	usb,E,QSY	pt53
2182	1933	GKZ	Humber R.	G	usb,E,QSY 1869	pt53
2182	0256		Holyhead CG	G	usb,E,tfc,QSY 2596	pt53
2182	1943	PBK	Netherlands CG	HOL	usb,E,ID,QSY 3673	pt53
2182	1845	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,clg Vessel Abibe	pt53
2182	1736	IQX	Trieste R.	I	usb,E/I,QSY 1865,2624,2656	pt53
2182	2033	EJM	Malin Head R.	IRL	usb,E,QSY 1677	a1EU+pt53
2182	1703	LFO	Orlandet R.	NOR	usb,E/Norw.,QSY 1782	a1EU+pt53
2182	2003	LGN	Bergen R.	NOR	usb,E/norw.,QSY 1728	a1EU+pt53
2182	1648	LGT	Tjome R.	NOR	usb,E,IDs,QSY 1665	pt53
2182	2133	LGZ	Farsund R.	NOR	usb,E/norw. QSY 1785	pt53
2182	2133	SPH	Gdynia R.	POL	usb,E/POL,ID,QSY 1692	pt53
2182	1936	SDJ	Stockholm R.	S	usb,E,QSY	pt53
2182	1733	GKZ	Humber R.	G	usb,E,QSY 1869	pt53
2182	2104	GLD	Land's End R.	G	usb,E,QSY 2670	pt53
2182	1803	GPK	Portpatrick R.	G	usb,E,QSY 1883	pt53
2182	2020		Aberdeen CG	G	usb,E,QSY 2226	pt53
2182	1703		Thames CG	G	usb,E,r/cwith Comsac Alpha	pt53
2182	1605		Stornoway CG	G	usb,E,clg UNID vessel	pt53
2182	1637	ICB	Genova R.	I	usb,E/I,QSY 2642, 1925	pt53
2182	1740	IQX	Trieste R.	I	usb,E/I,QSY 1865,2624,2656	pt53
2182	2103	EJK	Valentia R.	IRL	usb,E,QSY 1752	pt53
2182	1834	LGL	Floroe R.	NOR	usb,E/norw.,QSY 1680	pt53
2182	1733	SPH	Gdynia R.	POL	usb,E/POL,id,QSY 1692	a1EU+pt53
2182	2005	SPN	Witowo R.	POL	usb,E/Poln. no tfc	pt53
2182	2311	SPO	Szczecin R.	POL	usb,E/Pol. QSY 1794	pt53
2182	1935	SDJ	Stockholm R.	S	usb,E,QSY	pt53
2182	1807	EAF	Finistere R.	E	clg unid vessel	a1EU
2182	2110	OSU	Oostende R.	BEL	wkg C6IX5	a1EU
2182	1009	7TPC	M/V Djebel Refaa	IW	clg Algier R.	a1EU
2182	1755	MPFN7	M/V Solstice	IW	clg unid	a1EU
2182	2023	SVVI	M/V Nicolas A	IW	clg unid Radio	a1EU
2182	1843	7TAH	M/V Timimoun	ALG	clg Algier	a1EU

## EUNL1999

2222	1729	ICZE	M/V Palladio	IW	wkg Bari	a1EU
2222	1901	9HDI3	M/V Lady Nada	IW	wkg Cagliari	a1EU
2222	2113	Ixxx	M/V Flaminia	IW	wkg Civitavecchia, QSX 1888	a1EU
2226	2021		Aberdeen CG	G	usb, E, wx	pt53
2226	2152		Falmouth CG	G	usb, E, wx	pt53
2226	2109		Humber CG	G	usb, E, wx	pt53
2226	2150		Falmouth Coastguard	G	usb, E, wx	pt53
2231	1724		Thames CG	G	usb, E, r/c w/ Comsec Alpha	pt53
2256	1829	IBSD	M/V Egitto Express	IW	wkg Crotone	a1EU
2285,5	1757	IDR	Ny Rome	I	wkg F9V	a1EU
2286	2059	HP9255	M/V Tag al Salam	IW	wkg Jeddah R., QSX 1856	a1EU
2298,5	2104		German Vessels	IW	Legal German Inter-Ship Fq	a1EU
2306	1822	GDJX	M/V Grampian Otter	IW	wkg Grampian Hunter	a1EU
2306	1822	MPPH5	M/V Grampian Hunter	IW	wkg Grampian Otter	a1EU
2306	1819	GCLH	M/V Grampian Venture..	IW	wkg Grampian Arkedis?	a1EU
2306	1819	....	M/V Grampian Arkedis?.	IW	wkg Grampian Venture	a1EU
2524	2129	MYEB6	M/V Replenish	IW	wkg Wick R., QSX 2705	a1EU
2566	2039	....	M/V Viking Victor	IW	wkg Stonehavn, QSX 1946	a1EU
2586	1737	OXZ	Lynby R.	DNK	usb, E, nav. warnings, id	pt53
2586	1944	OXZ	Lynby R.	DNK	usb, E, tfc	pt53
2591	1917	IPL	Livorno R.	I	wkg unid vessel	a1EU
2596	0258		Holyhead CG	G	usb, E, tfc	pt53
2600	1642	IQO	Mazara del Vallo R.	I	I bull., //1876	a1EU
2624	2238	IQX	Trieste R.	I	E nav/warn	a1EU
2628	1938	IQA	Augusta R.	I	I wx, //2789	a1EU
2632	1045	IQH	Napoli R.	I	I nav/warn, //1852	a1EU
2642	0346	ICB	Genova R.	I	I nav/warn	a1EU
2649	2233	FFM	Marseille R.	F	usb, F, wx	a1EU+pt53
2656	2139	IPA	Ancona R.	I	I nav/warn	a1EU
2663	2039	IPC	Crotone R.	I	I nav/warn, //2579	a1EU
2670	0239	GLD	Land's End R.	G	usb, E, tfc-list	pt53
2680	0431	4XZ	Ny Haifa	ISR	CW v-mkr	a1EU
2680	1905	IDC	Cagliari R.	I	wkg 9HDI3, QSX 3188	a1EU
2691	2151	GND	Stonehavn R.	G	Gale/warn	a1EU
2719	2150	GCC	Cullercoats R.	G	Gale/warn	a1EU
2719	2206	IZN	Porto Torres R.	I	wkg ICOC, QSX 2048	a1EU
2768	2208	SAE	Tingstade R.	S	E wx	a1EU
2789	1939	IDF	Messina R.	I	I wx, //2628	a1EU
2824	0435	PCG	Scheveningen R.	HOL	'QRT'-vmm Dutch/E	a1EU
2830	2134	SVK	Kerkyra R.	GRC	usb, gr./E, wx	pt53
3261	1843	IOGU	unid Italian vessel	IW	w/Mazara d/Vallo, QSX 2600	a1EU
3631	2135	LGN	Bergen R.	NOR	E Gal/warn	a1EU
3673	1946	PBK	Netherlands CG	HOL	usb, E, gale-warning	a1EU+pt53
3678	2244	SXA32	Ny Kriti	GRC	cw-vvv	pt53
3740	1903	LZW	Varna R.	BUL	usb, E, wx	pt53
3792	1835	FFM	Marseille R.	F	usb, F, wx // 1906, 2649	pt53
4187,5	1757	TBA	Ny Ankara	TUR	cw-vvv TBJ de TBA 5/7	a1EU
4241,5	2127	4XZ	Ny Haifa	ISR	cw-vvv	pt53
4241,5	2128	LGW	Rogaland R.	NOR	cw-cq	pt53
4250	1554	PCH20/41	Scheveningen R. Farewell	HOL	cw Msg `CQ PCH20/41	a1EU+abNL
farewell radio amateurday Call 14050 listen 127795 or call 18085 and listen						
17198.9 kHz`						
4253	0042	TAH	Istanbul R.	TUR	cw CQ	abNL
4262	2138	LFI	Rogaland R.	NOR	cw-id & digital idles	a1EU
4266	1700	RUF9	unid Russian	RUS	cq-mkr	a1EU
4273	1920	SAA	Karlskrona R.	S	cw-cq mkr	pcG
4274	0035	GKB2	Portishead R.	G	cw QSX	abNL
4283	2156	XSV	Tianjin R.	CHN	cw-qrz, de	dmRU
4284,5	2014	TAVOLA 2	unid Ital. Navy vessel	IW	usb-wkg Tavola 4	a1EU
4284,5	2341	IGEF	Ital. Navy Vessel	IW	usb-wkg Tavola 5	a1EU
4284,5	2341	WU	Ital. Navy Vessel	IW	usb-wkg EF	a1EU
4303	0032	OXB	Lynby R.	DNK	cw Tfc list	abNL
4320	0030	IAR	Roma R.	I	cw-vvv marker	dmRU+abNL
4343	2011	RLK7	Archangelsk R. ?	RUS	cw-mkr fr 4LY	a1EU
4346	0019	9AR	Rijeka R.	HRV	cw-vvv marker	abNL
4350	2149	TBB	Ny Ankara	TUR	cw-tbdj	dmRU
4363	1720	3AC4	Monaco R.	MCO	usb, F, phone-patch, id	pt53
4378	1802	EQN	Bandar 'Khomeini' R.	IRN	w/Iran'arbad & Iran'Nakin?	a1EU

## EUNL1999

6315	1025	ZLA	Awanui R.	NZL	cw-mkr	ewAU
6315,5	1027	KFS	Palo Alto R.	USA	cw-mkr	ewAU
6316	1030	NMN	USCG Portsmouth	USA	cw-mkr	ewAU
6316,5	1031	KHF	Guam R.	GUM	cw-mkr	ewAU
6317	1032	WLO	Mobile R.	USA	cw-mkr	ewAU
6318	1033	KLB	Seattle R.	USA	cw-mkr	ewAU
6318,5	1034	OXZ	Lyngby R.	DNK	cw-mkr	ewAU
6319	1042	WLO	Mobile R.	USA	cw-mkr	ewAU
6320	1046	KPH	San Francisco R.	USA	cw-mkr	ewAU
6320,5	1047	9VG	Singapore R.	SNG	cw-mkr	ewAU
6322,5	1048	VRX	Hong Kong R.	CHN	cw-mkr	ewAU
6323,5	1049	NMN	USCG Point Reyes	USA	cw-mkr	ewAU
6324	1051	WCC	Chatham R.	USA	cw-mkr	ewAU
6326	1052	KEJ	Hawaii R.	HWI	cw-mkr	ewAU
6327	1055	WNU	Slidell R.	USA	cw-mkr	ewAU
6329,5	1103	VCT	Tors Cove R.	CAN	cw-mkr	ewAU
6334	1123	WCC	Chatham R.	USA	cw-mkr	ewAU
6339,8	1128	ZLO	Waiouru R.	NZL	cw-mkr	ewAU
6369	1455	UFJ	Rostov R.	RUS	cw-short cq call	pcG
6376	1144	WCC	Chatham R.	USA	cw-mkr	ewAU
6379	1715	4XZ	Ny Haifa	ISR	cw-vvv only	pt53
6380	0903	UCW	St. Petersburg R.	RUS	cw-cq + qtc list	pcG
6386,5	2030	ZSJ3	Ny Capetown	AFS	cw-cq mkr	pcG
6400	1600	UON	Baku R.	AZE	cw-vvv	nr76
6467	1934	LFI	Rogaland R.	NOR	cw-lfi + sitor	dmRU
6470	2254	SXA24	Ny Spata Attikis	GRC	cw-vvv	dmRU+pt53
6502	2145	TBB	Ny Ankara	TUR	cw-tbdj	dmRU
8294	2237	WHU959	MARICOM Foley	USA	usb,E,tfc,id	pt53
8368	1446	V3SX	Unid vessel	IW	cw clg UAT - Moscow R.	abNL
8418	2307	LSD836	Argentina R.	ARG	cw-Marker	abNL
8421	2017	A7D	Doha R.	QAT	cw-A7D TLX 4690	abNL
8424,5	2305	VRX34	Hong Kong R.	CHN	cw-Marker	abNL
8427,5	2259	A9M	Bahrain R.	BHR	cw-Marker	abNL
8428	2301	SAB424	Goteborg R.	S	cw-Marker	abNL
8428,5	2258	PCH46	Scheveningen R.	HOL	cw-Marker	abNL
8429,5	0548	NMO	USCG Honolulu	HWI	cw-nmo + sitor, vy weak	dmRU
8430	2257	9VG39	Singapore R.	SNG	cw-Marker	abNL
8432,5	2256	A9M	Bahrain R.	BHR	cw-Marker	abNL
8434,5	2016	TAH	Istanbul R.	TUR	cw, tah + SITOR	pt53
8435,5	2253	LPD	General Pacheco R.	ARG	cw-Marker	abNL
8435,5	2253	OST40	Oostende R.	BEL	cw-Marker	abNL
8448	2318	A9M	Bahrain R.	BHR	cw-cq	abNL
8451	0554	UBF2	St.Petersburg R.	RUS	cw-wkg unid ship	dmRU
8454	2021	A9M	Bahrain R.	BHR	cw-Marker	abNL
8455	2202	UVA	GeleIndzhic R.	UKR	cw-mkr	ewAU
8459	0723	LSD836	Argentina R.	ARG	cw, lsd 836 + SITOR	abNL+pt53
8461	1325	PKR	Semarang R.	INS	cw-cq mkr `qsx ch 3/9`	pcG
8473,5	2319	A7D	Doha R.	QAT	cw DE A7D	abNL
8475	1515	UBA	UNID	?	cw-ubvx de uba` + other tfc	pcG
8476	1900	9VG56	Singapore R.	SNG	cw-cq mkr	pcG
8486	0058	XSG	Shanghai R.	CHN	cw-cq	abNL
8490	1600	AQP	Ny Karachi	PAK	cw-vvv mkr	pcG
8496	0104	CLA20	Habana R.	CUB	cw-cq	abNL
8502	0019	XSG	Shanghai R.	CHN	cw-cq	abNL
8505	0901	UCW	St. Petersburg R.	RUS	cw-cq + qtc list	pcG
8506	2336	XSX	Keelung R.	TWN	cw-cq	dmRU
8510	1550	J2A8	Djibuti R.	DJI	cw-cq mkr	pcG
8511	0025	XSW2	Taichung R.	TWN	cw-cq	dmRU+abNL
8514	0014	XSQ	Guangzou R.	CHN	cw-cq	abNL
8515	0011	5AT	Tripoli R.	LBY	cw-vvv marker	abNL
8530	1015	UJE	Nichnij-Novgorod R.	RUS	cw	hb01
8532	2322	LZW49	Varna R.	BUL	cw DE LZW49	hb01+abNL
8539	1558	VRX	Hong Kong R.	CHN	cw-cq mkr	pcG
8541	2323	A9M	Bahrain R.	BHR	ARQ 100 w/unid vessel	abNL
8542	1655	PKX	Jakarta R.	INS	cq mkr	pcG
8543	2327	VRX37	Hong Kong R.	CHN	cw-cq	abNL
8549	2329	UCE	Arkhangelsk R.	RUS	ARQ 100 w/unid vessel	abNL
8554	1630	3BM	Mauritius R.	MAU	cw-cq+qtc nil 0830+1630daily	pcG

## EUNL1999

8555	2331	TBB7	Ny Ankara	TUR	cw Marker	abNL
8557	1005	SPE41	Szczecin R.	POL	cw/SIT	hb01
8559,5	1003	GKB4	Portishead R.	G	cw	hb01
8565	1932	D3E51	Luanda R.	AGL	cw-mkr	ewAU
8570	0900	RUA8	Petrozavodsk R.	RUS	cw-fast cq + qtc	pcG
8571	1701	JNA	Tokyo R.	J	cw-cq mkr	pcG
8571	0959	UFN	Novorossijsk R.	RUS	cw	hb01
8574	0956	LGB	Rogaland R.	NOR	cw	hb01
8577	1643	HLO	Seoul R.	KOR	cw-cq mkr	pcG
8580	0750	RKLM	Arkhangelsk R.	RUS	cw-cq call - manual	pcG
8582	2358	XSN	Ningbo R.	CHN	cw-cq	mRU+abNL+hb31
8585	1610	UFL	Vladivostok R.	RUS	cw-cq de ufl/uik qss	ewAU+pcG
8598	0953	OXZ4	Lynby R.	DNK	cw	hb01
8604,5	1310	DZJ	Manila-Bulacan R.	PHL	cw-cq mkr	pcG
8605	2334	DIW	Kaliningrad R.	KAL	cw w/unid vessel	abNL
8610	0950	UCE	Archangelsk R.	RUS	cw	dmRU+hb01
8618	1715	KPH	San Francisco R.	USA	cw-cq mkr	pcG
8621,3	0129	PCH41	Scheveningen R.	HOL	cw-clg CQ, QSX 7025 khz	alEU
8622	0819	PCH41	Scheveningen R.	HOL	cw marker DE PCH41 8	Khb01+abNL
8624	2336	XSQ	Guangzou R.	CHN	cw-cq	abNL
8632	2010	XSW	Kaohsiung R.	TWN	cw-cq de xsw	abNL+pt53
8634	1925	VTG	Ny Bombay	IND	cw-mkr,wx forecast	abNL+ewAU
8634	2234	PPR	Rio de Janeiro R.	B	cw-vvv marker	abNL
8636	1805	HLW	Seoul R.	KOR	cw-cq mkr	pcG
8646	2348	VTP6	Ny Vishakapatnam	IND	cw-vvv marker	abNL
8650	1921	SPB42	Szczenin R.	POL	cw-mkr	ewAU
8655	2352	UIA3	Nakhoda R.	RUS	cw-vvv marker	abNL
8661	2320	XSQ	Guangzhou R.	CHN	cw-cq	dmRU
8661	2353	IAR38	Roma R.	I	cw-vvv marker	abNL
8662	0420	TAH	Istanbul R.	TUR	cw	dbCE
8665	0049	XSG3	Shanghai R.	CHN	cw-cq	abNL
8670	2310	IAR8	Roma R.	I	cw-vvv de iar	abNL+ewAU+pt53
8682	1916	EAD	Madrid R.	E	cw-mkr	pt53+abNL+hb01+ewAU
8682,5	0415	LFI	Rogaland R.	NOR	cw - id + sitor	hb01+dbCE
8685	2358	IRM	Roma Medico R.	I	cw-vvv marker	pt53+hb01+abNL
8686	1047	PKF	Makassar R.	INS	cw-mkr	ewAU
8686	0913	CNP	Casablanca R.	MRC	cw-cq qsx	pcG+pt53
8688,5	2146	ZSC6	Capetown R.	AFS	cw-cq qsx	pt53
8690	1800	JFX	Kagoshima Fishery R.	J	cw-handkeyed cq	alEU
8698	0047	9MG2	Penang R.	MLA	cw-cq	abNL
8698	2052	7TF6	Boufarik R.	ALG	cw-cq qsx	hb01+pt53
8700	0000	9AR	Rijeka R.	HRV	cw Tfc list	dbCE+hb01+abNL
8706	2142	JOS	Nagasaki R.	J	cw-cq	pt53
8734	0001	SVN42	Athens R.	GRC	usb,Gr.,id, msgs	pt53
8737	2002	5BA	Cyprus R.	CYP	usb,E/Greek,id, tape	abNL+pt53
8776	0002	SVN48	Athen R.	GRC	usb,Gr.,id, msgs	pt53
8806	0720	3AC	Monaco R.	MCO	usb,E,wx, tfc,id	pt53
12580	1953	GKE5	Portishead R.	G	cw-Marker	hb01+abNL
12581,5	1952	WLO	Mobile R.	USA	cw-Marker	abNL
12583,5	0916	UUI	Odessa R.	UKR	cw/SIT	hb01
12587	0914	LZW	Varna R.	BUL	cw	hb01
12588	0912	HEC13	Bern R.	SUI	cw/SIT	hb01
12590	0911	EAD	Madrid R.	E	cw/SIT	hb01
12593	0904	ESA	Tallinn R.	EST	cw/SIT	hb01
12602,5	1048	IAR	Roma R.	I	cw/SIT	hb01
12603,4	1047	IVS	Unid	?	cw	hb01
12607	1042	GKQ5	Portishead R.	G	cw/SIT	hb01
12610,5	2002	VCT	Tors Cove R.	CAN	cw-Marker	abNL
12615,5	2004	8PO	Barbados R.	BRB	cw-Marker	abNL
12634,5	1035	TAH	Istanbul R.	TUR	cw/SIT	hb01
12639,5	1034	OST50	Oostende R.	BEL	cw/SIT	hb01
12654	1031	TAH	Istanbul R.	TUR	cw/SIT	hb01
12662	1030	7TF8	Boufarik R.	ALG	cw	ewAU+hb01
12681	1933	8PO	Barbados R.	BRB	cw-Marker (not listed here)	abNL
12682,5	1230	PKF	Ujungpandang R.	INS	cw-weak cq mkr	pcG
12690	1415	UIW	Kaliningrad R.	KAL	cw-w/unid vessel	abNL
12695,5	1045	CNP	Casablanca R.	MRC	cw-cq mkr	pcG
12695,5	1235	XSX	Chi-lung R.	TWN	cw-cq mkr	pcG



## EUNL1999

12695,5	1655	KFS	San Francisco R.	USA	cw-cq mkr	pcG
12709	1011	A9M	Hamala R.	BHR	cw	hb01
12719,8	0917	ZLO5	Auckland RNZN	NZL	cw-de zlo zay a1a mkr	pcG
12721	1007	SPH61	Gdynia R.	POL	cw	hb01
12727,5	1417	LGJ	Rogaland R.	NOR	cw-cq	hb01+abNL
12727,9	1113	XSW	Kaohsiung R.	TWN	cw-mkr	ewAU
12735	1633	URL	Sevastopol R.	UKR	cw-cq de url,tfc	pt53
12738	1924	PPR	Rio de Janeiro R.	B	cw-vvv marker	abNL
12748	1418	IRM	Roma Medico R.	I	cw-vvv marker	hb01+abNL
12765	0905	UCW	St. Petersburg R.	RUS	cw-cq + qtc list	pcG
12780	0018	D3E51/61	Luanda R.	AGL	cw	dbCE
12780,5	0947	9AR	Rijeka R.	HRV	cw	abNL+hb01
12799,5	0607	PCH51	Scheveningen R.	HOL	cw-'Farewell'-mkr	hb01+a1EU
12801	1421	TAH	Istanbul R.	TUR	cw-cq	hb01+abNL
12831	1634	3BM	Mauritius R.	MAU	cw-cq weak /8554 stronger	pcG
12835,4	0015	GKB	Portishead R.	G	cw	hb01+dbCE
12840	1125	VTP	Ny Vishakhapatnam	IND	cw-mkr	ewAU
12843	1026	HLO	Seoul R.	KOR	cw-cq qsx	pt53
12856	1352	XSG	Shanghai R.	CHN	cw	hb01+dbCE
12887,5	0919	EAD44	Madrid R.	E	cw	hb01
12906	1220	DZJ	Manila-Bulacan R.	PHL	cw-cq mkr	pcG
12916,5	0936	HLF	Seoul R.	KOR	cw-mkr	ewAU
12939	1355	SPE	Szczecin R.	POL	cw	dbCE
12940	1422	LZW	Varna R.	BUL	cw-de LZW	dbCE+abNL
12942	1426	RKLM	Arkhangelsk Fish. R.	RUS	cw-Msgs to various vessels	abNL
12969	1129	XSV	Tianjin R.	CHN	cw-cq pse up 443	pcG+pt53
12970	1400	SUH	Alexandria R.	EGY	cw-cq mkr	pt53+pcG
12970,5	1150	PKX	Jakarta R.	INS	cw-cq mkr	pt53+pcG
12984	1453	4XZ	Ny Haifa	ISR	cw	hb01
12988,5	1005	PPO	Olinda R.	B	cw-vvv mkr	pcG
13000	0950	UBE2	Petropavlovsk R.	RUS	cw-mkr	ewAU
13011	1158	AQP	Ny Karachi	PAK	cw-vvv mkr	pcG
13011	1429	IAR23	Roma R.	I	cw-vvv marker	abNL
13015,5	1448	IAR	Roma R.	I	cw	hb01
13020,4	0924	VRX	Hong Kong R.	CHN	cw-cq mkr	pcG
13022	1446	SPE63	Szczecin R.	POL	cw/SIT	hb01
13044	0858	VRX61	Hongkong R.	CHN	cw-cq	pt53
13062	2156	CLA	Havana R.	CUB	cw-mkr	ewAU
13083	1648	CUL	Lisboa R.	POR	usb,P,tfc,ids	pt53
13098	1526	5BA	Cyprus R.	CYP	usb,E/Greek,id, tape	pt53
13101	1527	A9M	Bahrain R.	BHR	usb,E,phone-patch,id	pt53
13191	1208	LZW	Varna R.	BUL	USB Tfc list	abNL
16189,5	1638	NMN	USCG Chesapeake	USA	cw-Marker	abNL
16597,5	1048	UFN	Novorossiisk R.	RUS	cw-ufn + SITOR	pt53
16807	1646	KFS	Palo Alto R.	USA	cw-Marker	abNL
16807	0849	9VG	Singapore R.	SNG	cw-mkr	ewAU
16807,5	0851	ZLA	Awanui R.	NZL	cw-mkr	ewAU
16808	0855	SPA	Gdynia R.	POL	cw-mkr	ewAU
16809,5	1514	EAD	Madrid R.	E	cw-Marker	ewAU+abNL
16811	0931	CBC	Valparaiso R.	CHL	cw-mkr	ewAU
16812,5	0935	NRV	USCG Apra Harbour	GUM	cw-mkr	dbCE+ewAU
16812,5	2250	A9M	Bahrain R.	BHR	cw + amtor	dbCE
16813	1519	UAT	Moscow R.	RUS	cw-Marker	abNL
16814	1521	WLO	Mobile R.	USA	cw-Marker	abNL
16815	0942	9VG	Singapore R.	SNG	cw-mkr	ewAU
16816	1644	ZSC	Capetown R.	AFS	cw-Marker	abNL
16816,5	1640	NMC	USCG Point Reyes	USA	cw-Marker	abNL
16817,5	1642	KPH	San Francisco R.	USA	cw-Marker	abNL
16818,5	0944	9VG	Singapore R.	SNG	cw-mkr	ewAU
16821	1412	VRX	Hongkong R.	CHN	cw - id + sitor	ewAU+dbCE
16822,5	0946	9VG	Singapore R.	SNG	cw-mkr	ewAU
16826,5	1651	PCH	Scheveningen R.	HOL	cw-Marker	abNL
16828	1516	WLO	Mobile R.	USA	cw-Marker	abNL
16829	1516	USU	Mariupol R.	UKR	cw-Marker	abNL
16830	1518	HEC27	Berne R.	SUI	cw-Marker	abNL
16830,5	1655	SVU6	Athinai R.	GRC	cw-Marker	abNL
16831	0950	VRX	Hong Kong R.	CHN	cw-mkr	ewAU
16839,5	1523	UFN	Novorossiisk R.	RUS	cw-Marker	abNL

## EUNL1999

16841,5	1214	8PO	Barbados R.	BRB cw - id + sitor	dbCE
16842,5	1215	KEJ	Kahalehani R.	HWI cw - id + sitor	ewAU+dbCE
16865	1003	XSQ	Guangzhou R.	CHN cw-mkr	ewAU
16868	1004	9VG	Singapore R.	SNG cw-mkr	ewAU
16879	1513	LZW	Varna R.	BUL cw-DE LZW	abNL
16880	1415	XSQ	Guangzhou R.	CHN cw - id + sitor	ewAU+dbCE
16881,5	1218	OST	Oostende R.	BEL cw - id + amtor	dbCE
16883	1009	OST	Oostende R.	BEL cw-mkr	abNL+ewAU
16892	1227	XSG	Shanghai R.	CHN cw - id + sitor	ewAU+dbCE
16910	1021	HLS	Seoul R.	KOR cw-mkr	ewAU
16911	0435	JNA	Tokyo Coast Guard	J cw	dbCE
16923,8	1008	OFJ7	Helsinki R.	FIN cw-mkr	abNL+ewAU
16926	1026	LFI	Rogaland R.	NOR Sitor/cw-mkr	ewAU
16930	0513	UVA	Gelendzhik R.	RUS cw-wkg UIOJ, qsx 6289	dmRU
16933	0437	JOS	Nagasaki R.	J cw	dbCE
16938	1030	VTG8	Ny Bombay Naval	IND cw-mkr	ewAU
16940	1032	XSW	Kaohsiung R.	CHN cw-mkr	ewAU
16949	1201	YLL	Liepaja R.	LVA cw-`cq de yll qss 16949`	pcG
16975	1500	RKLM	Arkhangelsk R.	RUS cw-cq mkr	pcG
16980	1502	UGW	Novorossiysk R.	RUS cw-cq + qtc list	pcG
16987	1139	VRX	Hong Kong R.	CHN cw-cq mkr	pcG
16992,8	1100	UAT	Moscow R.	RUS cw-mkr Tfc List	ewAU
17005	1503	IAR37	Roma R.	I USB Phone patch	abNL
17015	1307	UTQ	Kiew R.	UKR cw-cq qsx	pcG+pt53
17020	1525	UDK2	Murmansk R.	RUS cw-Marker+msgs in rtt	ewAU+abNL
17021,6	1310	TAH	Istanbul R.	TUR cw-cq qsx	abNL+pt53
17050	1123	4XZ	Ny Haifa	ISR cw-mkr	pt53+abNL+ewAU
17050,4	1320	ASK	Karachi R.	PAK cw-cq mkr	pcG
17064,8	1440	EDZ6	Madrid R.	E cw-QSX	abNL
17066,5	1304	A9M	Bahrain R.	BHR cw, a9m + SITOR	pt53
17074	1129	LGW	Rogaland R.	NOR cw-mkr Tfc List at 1130	ewAU
17091	1301	XSQ	Guangzhou R.	CHN cw-cq mrk	pt53
17105	1438	IRM	Roma Medico R.	I cw-vvv marker	abNL
17113	1138	GKB	Portishead R.	G cw-mkr	abNL+ewAU
17141	1143	UFN	Novorossiysk R.	RUS cw-mkr	pt53+ewAU
17147	1146	URL	Sevastopol R.	RUS cw-mkr	ewAU
17175,3	0410	A9M	Bahrain R.	BHR cw	pt53+dbCE
17184,8	1050	PKP	Dumai R.	INS cw-cq gru	pcG+pt53
17184,8	1259	PKE	Ambon R.	INS cw-cq 13.00 off	pt53
17198,9	1434	PCH60	Scheveningen R.	HOL cw-DE PCH60	a1Eu+ewAU+abNL
17203,9	0947	OXZ62	Lyngby R.	DNK cw-mkr	ewAU
17207	1433	IAR	Roma R.	I cw-vvv marker	abNL
17227,5	0959		Waiouru R.	NZL cw-mkr	ewAU
17238,9	0935	XSV	Tianjin R.	CHN cw-cq mkr	pcG
17239,7	1210	PKB	Belawan R.	INS cw-weak cq mkr	pcG
17239,7	1256	PKX	Jakarta R.	INS cw-cq gru	pcG+pt53
17248	1001	5BA62	Cyprus R.	CYP usb Voice Mirror	ewAU
17323	1515	3AC	Monaco R.	MCO usb,E/F,ids	pt53
17332	1011	BVA	Taipei R.	TWN usb phonecall to ship	ewAU
17338	1014	BVA	Taipei R.	TWN usb phonecall to ship	ewAU
17341	1016	HLS	Seoul R.	KOR usb phonecall to ship	ewAU
17350	1017	VRX	Hong Kong R.	CHN usb,man repeating words	ewAU
19685,5	1805	WLO	Mobile R.	USA cw-Marker	abNL
19692,5	1807	ZSC	Capetown R.	AFS cw-Marker	abNL
19696,5	1808	8PO	Barbados R.	BRB cw-Marker	abNL
19698,5	1803	OST69	Oostende R.	BEL cw-Marker	abNL
19706	1811	LSD836	Argentina R.	ARG cw-Marker	abNL
19723	0904	RKLM	Arkhangelsk Fish. R.	RUS cw-Tfc list	abNL
19755	1452	EHY	Madrid R.	E USB Phone patch	abNL
22377,5	2307	KFS	San Francisco R.	USA cw - id + sitor	dbCE
22380,5	2305	CBV	Playa Ancha R.	CHL cw - id + sitor	dbCE
22382	2257	NRV	USCG Guam	GUM cw - id + sitor	dbCE
22382	0341	NNC	USCG Point Reyes	USA cw-mkr	ewAU
22385,5	1754	OXZ	Lyngby R.	DNK cw-Marker	dbCE+abNL
22387,5	0856	SVT	Athinai R.	GRC cw-DE SVT	dbCE+abNL
22389	0344	9VG	Singapore R.	SNG cw-mkr	ewAU
22389,5	1753	NMN	USCG Chesapeake	USA cw-Marker	abNL
22408	0325	UFL	Vladivostock R.	RUS cw + amtor	dbCE

## EUNL1999

22459	0800	XSX	Keelung R.	TWN	cw-cq		abNL
22512	0900	UAT	Moscow R.	RUS	cw-cq		abNL
22555	1201	UUI	Odessa R.	UKR	USB		abNL
22564	1255	9AR	Rijeka R.	HRV	cw		dbCE
22565	0839	XSW	Kaohsiung R.	TWN	cw-cq	dbCE+ewAU+	abNL
22575,5	0944	PKX	Jakarta R.	INS	cw-weak cq mkr		pcG
22592,5	0842	A9M	Bahrain R.	BHR	cw-cq		abNL
22603	0841	PPR	Rio de Janeiro R.	B	cw-vvv marker		abNL

## A E R O (Ground - stations)

2591	2020	ARCHITECTRAF	STCICS	G	wx bull.		aLEU
3815	2120	YAROK	Kiev/Borispol Air	UKR	YL wkg unid		aLEU
4045	1942	RADAN	St.Petersburg Air	RUS	YL wkg ALENKI		aLEU
4045	1942	ALENKI	Koltsovo/Ekaterienburg	RUS	YL wkg RADAN		aLEU
4045	1953	AGURCHIK	Moscow/Sheremetyevo A.	RUS	YL wkg RADAN		aLEU
4645	0017		Tallinn Air	EST	USB volmet		abNL
4669	1642		Uralsk Radio	KAZ	wkg Ashkabad Radio		aLEU
4672	0300		St.Petersburg Radio	RUS	r/c fr Domestic Aero Net		aLEU
4672	0300		Petrozavodsk Radio	RUS	r/c		aLEU
4672	0300		Murmansk Radio	RUS	r/c		aLEU
4672	0300		Archangelsk Radio	RUS	r/c		aLEU
4672	1603		Vologda Air	RUS	r/c		aLEU
4712	2254		Mineralny Vody Radio	RUS	r/c fr Domestic Aero Net		aLEU
4712	2254		Chelyabinsk Radio	RUS	r/c		aLEU
4712	1621		Volgograd Radio	RUS	r/c		aLEU
4712	1621		Uralsk Radio	KAZ	r/c		aLEU
4712	1850		Ufa Radio	RUS	wkg Rostov Radio		aLEU
4712	1700		Kiev Radio	UKR	wkg Rostov Radio		aLEU
4712	1712		Lvov Radio	UKR	wkg unid		aLEU
4712	1657		Rostov Radio	RUS	YL r/c's		aLEU
4712	1823		Yerevan Radio	ARM	wkg a/c & Ufa Radio		aLEU
4712	1831		Samara Radio	RUS	wkg unid		aLEU
4712	1832		Koltsovo Radio	RUS	wkg unid		aLEU
4712	1833		Omsk Radio	RUS	wkg Samara Radio		aLEU
4712	1834		Novosibirsk Radio	RUS	wkg Koltsov Radio		aLEU
4712	0228		Krasnodar Radio	RUS	YL, id		aLEU
5085	1527		unid Russ.Domestic Air	RUS	YLS, regular heard here		aLEU
5450	2301	MVU	RAF Volmet	G	USB		abNL
5475	0025		Córdoba Volmet	ARG	Sp wx		hb31
5505	2300	EIP	Shannon Volmet	IRL	USB		abNL
5517	2027		Sanaa Aero	YMS	usb clg Addis Ababa		ewAU
5517	2338		Nairobi Aero	KEN	usb,E Madagascar130	aLEU+pt53	
5517	2340		Tripolis Aero	LBY	usb,E,wkg Liberty 858		pt53
5517	1951		Khartoum Aero	SDN	usb,E,wkg Tripolis Aero		pt53
5517	1950		Riyan Air	YEM	wkg Yemenia 503		aLEU
5517	2228		Sana'a Air	YEM	wkg Addis		aLEU
5517	2022		Entebbe Air	UGA	clg Nairobi		aLEU
5517	2023	ETD3	Addis Ababa 'Addis' A.	ETH	wkg TFS 617		aLEU
5517	0017	5AF	Tripoli Air	LBY	wkg Kenia 101		aLEU
5517	2231	STK	Khartoum Air	SDN	wkg Addis		aLEU
5517	2036	6OM	Mogadishu Information	SOM	wkg Addis		aLEU
5517	0029	SUC	Cairo Air	EGY	wkg Khartoum		aLEU
5529	2236		IBERIA Madrid LDOC	E	wkg unid in Sp		aLEU
5532	2115	OKL	Prague CSA LDOC	CZE	wkg unid a/c		aLEU
5544	1841		Saudia Jeddah	ARS	usb,E,wkg Saudia 9634		pt53
5544	1703		SAUDIA Jeddah Ops LDOC	ARS	wkg SAUDIA 371		aLEU
5565	0550	ZWRF	Recife Air	B	wkg Iberia 6841		aLEU
5568	1253	SHPORA	Rostov-na-Donu Air	RUS	wkg unid,YL wx fr Voronezh		aLEU
5598	2258		Gander Aeradio	CAN	USB w/various aircraft		abNL
5601	0002		Ezeiza(?) Volmet	ARG?	Sp wx		hb31
5601	0015		Ezeiza Volmet	ARG	Sp wx		hb31
5634	0053	5ST	Antananarivo 'Tana' A.	MDG	wkg Spingbok 283		aLEU
5637	1735	SWM	Kalamata Air	GRC	testing		aLEU
5637	0610	YRA	Bukarest Informare	ROU	wkg LCB		aLEU
5649	1658		Shanwick Aero	IRL	usb,E,wkg Air France 322		pt53
5658	2233		Bombay Aero	IND	usb,E,wkg Springbok 204		pt53
5658	2158	ARA	Karachi Air	PAK	wkg KLM 878		aLEU

## EUNL1999

5658	2200	AWA	Dehli Air	IND	wkg Bombay Air	aLEU
5658	2202	AWB	Bombai Air	IND	wkg Northwest 57	aLEU
5670	2116		Chennai Aero	IND	usb,E,wkg Singapore 310	pt53
5670	2056		Chennai (Madras) Air	IND	wkg Air India 443	aLEU
5670	2325	8BN	Medan Air	INS	wkg (Colonial?) 386	aLEU
5680	0859		Glücksburg Rescue	D	usb,E,clg DREQ	pt53
5680	0901		Kinloss Rescue	G	usb,E,wkg Sierra Romeo 169	pt53
5680	1700		Gotland Rescue	S	usb,E,wkg Unid a/c	pt53
5680	0851		Kinloss Standby (?!?)	G	wkg Kinloss Rescue fr r/c	aLEU
5680	1544		Sweden Air Rescue	S	wkg HOTEL 95	aLEU
5680	1538		Karup Rescue	DNK	wkg Danish Rescue Heli 280	aLEU
5680	1915	FREKEFILM	unid Spanish/Port SAR		wkg AGUI, SAR tfc	aLEU
5685	1046	MKA	RAF London	G	usb,E,ID wkg CWL 85	pt53
5687	0940	DHM91	AF Münster	D	usb,E,D,wkg Airforce 958	pt53
5690	1742		unid Turkish, AF ?	TUR	clg 3__, sounds like AF ?	aLEU
5696	0122	NMN	USCG Chesapeake, VA	USA	id: 'CAMSLANT', wkg N8F	aLEU
5696	1114	MJV	NAS Cudrose	G	wkg 61	aLEU
5708	1915	ARMOR	Ny Brest/Loperhet	F	wkg SUPER 1 (=unid)	aLEU
5714	2100	ARCHITECT	RAF Upavon	G	USB elebrity broadcast	abNL
5714	1252	FUI	Ny Nimes	F	usb-id as 'UI', wkg 5EB	aLEU
5717	2115	MKL	RAF, Pitreavie ???	G	usb-clg unid fr r/c	aLEU
6535	0240	6VU	Dakar Air	SEN	wkg LH 500	aLEU
6559	0420		Libreville Air	COG	wkg MKA 105	aLEU
6604	2130		New York Volmet	USA	usb,E,ID, Volmet	pt53
6637	2358		Silvair Miami	USA	usb,E,wkg 61 Mike	pt53
6637	0413		SILVAIR Miami LDOC	USA	wkg unid a/c	aLEU
6640	0232		New York LDOC	USA	wkg Delta 12	aLEU
6676	2216		Karachi Volmet	PAK	usb,E,Volmet	pt53
6676	1523		Singapore Volmet	SNG	usb,E,Vomet	pt53
6676	2010		Bangkok Volmet	THA	usb,E,ID, Volmet	pt53
6679	1750		Auckland Volmet	AUS	usb,E,Volmet	pt53
6730	1449	DHJ59	Ny wilhelmshaven	D	wkg 8IU, coord fr RTTY	aLEU
6733	1731	IDR	Ny Rome	I	wkg 9SQ, coord fr RTTY	aLEU
6758	1700	MKL	RAF Kinloss	G	cw P2K DE MKL Airfieldcond.	abNL
8170	0845	GKX41	Portishead Radio LDOC	G	wkg TWA 720	aLEU
8816	1706	RJF94	unid Russian, Aero ?	RUS	cw-clg 444_5, Military ?	aLEU
8828	0500		Honolulu Volmet	HWI	ssb	dbCE
8828	1421		Auckland Volmet	NZL	usb-Machine OM Volmet	aLEU
8828	1741	YRA	Bukarest Air	ROU	cw-'on USB' w/VVV DE YRA	aLEU
8829	1709		unid Aero, Turkish?		no 3k-spaced,Air-tfc & s/c	aLEU
8861	1832		Dakar Aero	SEN	usb,E,wkg Ascot 3451	pt53
8867	0455		Unid Aero	?	ssb	dbCE
8867	0821	VZBN	Brisbane Air	AUS	wkg unid United fl.	aLEU
8879	1741		Bombay Aero	IND	usb,E,wkg Springbok	pt53
8879	1743		Dar-es-Salam Aero	TZA	usb,E,wkg Lusaka Aero	pt53
8879	1743		Lusaka Aero	ZMB	usb,E,wkg Dar-es-Salam Aero	pt53
8879	1959		Gander Aero	CAN	usb,E,wkg Speedbird 297	pt53
8879	1950		Nairobi Aero	KEN	usb, E,wkg Seychelles Aer	pt53
8879	1950		Seychelles Aero	SEY	usb,E,wkg Nairobi Aero	pt53
8879	1755		Gander Aero	CAN	usb,E,wkg Speedbird 177	pt53
8879	1744		Shanwick Aero	G	usb,E,wkg Air France 3486	pt53
8879	1747		Iceland Aero	ICL	usb,E,wkg Gander	pt53
8888	1735	D2U	Luanda Air	AGL	wkg EVD (= D2-EVD ? )	pt53+aLEU
8891	1427		Iceland Aero	ISL	usb,E,wkg Lufthansa 498	pt53
8891	1738		Shanwick Aero	G	usb,E,wkg Delta 27	pt53
8891	1716		Iceland Aero	ICL	usb,E,wkg Northwest 49	pt53
8891	1736		Montreal Air	CAN	wkg Alitalia 622, FK-DL	aLEU
8891	1746		Baffin Air	CAN	wkg LH 492	aLEU
8891	1456		'Arctic' Churchill? A.	CAN	wkg LH 438	aLEU
8891	1625	TFA	'Iceland' Reykjavik A.	ICE	wkg New Zealand 1, CP-GL	aLEU
8891	1712	EIP	Shanwick Air	IRL	wkg Canadian 97, HJ-AG	aLEU
8894	0008		Niamey Aero	NGR	usb,E,wkg LWA 306 (LWA)	pt53
8894	1802		Tamanrasset Air	ALG	clg Djanet, 'Tam' w/Algier	aLEU
8894	1834		Niamey Air	NGR	wkg Air Afrique 630	aLEU
8903	1745	D2U	Luanda Air	AGL	wkg unid	aLEU
8903	1744		Lumbumbashi Air	DRC	wkg RMV 101 Ldn to Harare	aLEU
8918	1515	A9C	Bahrain Air	BHR	clg Pakistan 8342	pt53+aLEU
8921	1753		LTU Duesseldorf LDOC	D	wkg LTU UU	aLEU

## EUNL1999

8924	1707	LOT Warszawa	POL	usb,Pol.,wkg PLF	pt53
8927	1703	Saudia Jeddah	ARS	usb,E,wkg Saudia 9601	pt53
8930	1707	SDJ Stockholm R.	S	usb,E,wkg Viking 8	pt53
8933	0002	Springbok SA Airways	AFS	usb,wkg Springbok 252	pt53
8933	0001	ARINC New York	USA	usb,E,wkg a/c Selcall AJFM	pt53
8933	2202	Springbok SA Airways	AFS	usb,wkg Springbok 275	pt53
8939	2047	Moscow Volmet	RUS	USB Volmet	abNL
8942	1656	Singapore Aero	SNG	usb,E,wkg Speedbird a/c	pt53
8957	1135	EIP Shannon volmet	IRL	USB	dbCE+abNL
8965	1402	XPH5 USAF Thule	GRL	clg Reach 777	alEU
8992	1640	XPH5 USAF Thule	GRL	wkg CROWN 96	alEU
8992	1642	AJE USAF Croughton	G	wkg ___ 23, Ramstein wx	alEU
8992	1648	CSE AF Lisbon	POR	clg AF ___	alEU
8992	1657	FDE FAF Villacoublay	F	id: 'CIRCUS VERTE'	alEU
9013	1327	Navy Prestwick	G	wkg NAVY 700	alEU
10051	2330	Gander Volmet	CAN	ssb	dbCE
10090	1444	Tashkent Meteo	UZB	USB Volmet in English	abNL
10165	1521	SKJ21 Stockholm Radio	S	wkg Air France 1739,pp Ops	alEU
10805	1229	SDJ Stockholm R.	S	usb,E,wkg a/c FSTB	pt53
11175	1409	XPH5 USAF Thule	GRL	usb,E,wkg Reach 4646	pt53
11175	1425	AJO USAF Incirlik	TUR	wkg REACH 6449, ->Incirlik	alEU
11175	1505	LULL unid US Military	?	wkg Thule, a/c or ground ?	alEU
11180	1507	JWT RNOAF Stavanger	NOR	clg wiskey 22	alEU
11193	1620	Moskva Air (LDOC ?)	RUS	OM, wkg unid a/c	alEU
11232	1612	CHR CF Trenton Military	CAN	w/Canforce 3252	alEU
11235	1135	ARGONAUT unid GAF Base	D	wkg HUGEN (?) 06	alEU
11240	1130	Damascus Ops LDOC	SYR	wkg SYRIAN 420	alEU
11247	1246	GFW RAF Akrotiri	CYP	id:'Cyprus',wkg ASCOT 9234	alEU
11253	1038	MVU RAF Volmet	G	USB	pt53+abNL
11256	1537	HOLLOWAY Eth.Air LDOC Addis A.	ETH	clg 650	alEU
11271	1400	XPH5 USAF Thule	GRL	wkg Reach Q1, QSY fm 11175	alEU
11272	1020	IEY55 unid Italian Military	I	wkg IEY54, IEY57	alEU
11272	1020	IEY54 unid Italian Military	I	wkg IEY55	alEU
11272	1020	IEY57 unid Italian Military	I	wkg IEY55	alEU
11272	0929	IEY56 unid Italian Military	I	wkg IEY55	alEU
11272	0931	'MOBILE' unid Italian Military		clg IEY56	alEU
11273	1317	Sofia LDOC	BUL	wkg LZ-BTX	alEU
11285	1533	Chennai Air	IND	wkg unid a/c	alEU
11288	1502	Jeddah Air	ARS	wkg 006	alEU
11291	1746	6VU Dakar Air	SEN	wkg unid a/c	alEU
11297	1036	St. Petersburg Volmet	RUS	USB Volmet	abNL
11297	1018	Moscow Volmet	RUS	USB Volmet	abNL
11297	1025	Rostov Volmet	RUS	USB Volmet	abNL
11300	1550	Cairo Aero	EGY	usb,E,wkg Lufthansa 8295	pt53
11300	1725	Addis Abeba Aero	ETH	usb,E,wkg Kenya 220	pt53
11300	1803	Mogadishu Aero	SOM	usb,E,wkg UZB 252	pt53
11300	1424	Cairo Aero	EGY	usb,E,wkg Mike Romeo	pt53
11300	1949	Sana'a Aero	YEM	usb,E,clg Addis	pt53
11300	1520	Tripoli Aero	LBY	usb,E,wkg Cairo	pt53
11300	1710	Khartoum Aero	SDN	usb,E,wkg Sudan 2235	pt53
11306	2030	GKX Portishead R.	G	usb,E,wkg Uniform November	pt53
11306	1328	Portishead Radio LDOC	G	wkg Kestrel 197, QSY 14890	alEU
11308	1601	unid Russian Aero	RUS	wkg unid w/wx report	alEU
11309	1216	Santa Maria Aero	AZR	USB w/various aircraft	abNL
11318	1045	Samara Volmet	RUS	USB Volmet	abNL
11318	1050	Tyumen Volmet	RUS	USB Volmet	abNL
11318	1100	Sykytyvar Volmet	RUS	USB Volmet	abNL
11318	1105	Jekaterinburg Volmet	RUS	USB Volmet	abNL
11318	1110	Novosibirks Volmet	RUS	USB Volmet	abNL
11340	1822	Santa Maria Aero	AZR	USB w/Air France 3440	abNL
11342	1833	New York LDOC	USA	wkg N333MG	alEU
11345	1227	SDJ Stockholm R.	S	usb,E,wkgFSTB,QSY10805abNL+pt53	pt53
11354	1332	'Priboi Radio': unid	RUS	wkg 40_64 ? =unid a/c	alEU
11354	1625	"Kra'kjet": unid	RUS	clg 34155 ? wkg Priboi	alEU
11354	1035	unid "Toulouse Technique"	F	wkg unid, any LDOC/Aero?	alEU
11360	1258	unid Russian Aero	RUS	YL, wx to unid a/c	alEU
11362	1244	unid Russian Aero	RUS	YL, wkg a/c to Voronezh	alEU
11363	1830	Monarch Ops	G	usb,E,wkg Unid a/c	pt53

## EUNL1999

11375	1056	tent. VARIG Ops	B	usb,P,wkg Unid a/c	pt53
11387	1603	Sydney Volmet	AUS	usb,E,Volmet	abNL+pt53
11387	1020	Singapore Volmet	SNG	usb,E,Volmet	pt53
11387	1010	Bangkok Volmet	THA	usb,E,Volmet	pt53
11387	1701	Sydney Volmet	AUS	usb,E,Volmet	pt53
11396	1628	Ujung Pandang Aero	INS	usb,E,wkg a/c, UNID ?17	pt53
12201	1310	Stockholm Radio LDOC	S	wkg Air France 1337	aLEU
13264	1418	Shannon Volmet	IRL	usb,E,Volmet	pt53
13264	1212	EIP Shannon Volmet	IRL	USB	abNL
13270	1920	Gander Volmet	CAN	USB	abNL
13270	1918	New York Volmet	USA	USB	abNL
13279	0414	Tashkent Volmet?	UZB?	wx in EE, weak	dmRU
(station is listed at x.05 and x.35 in SFL, does its broadcast last 10 mins?)					
13282	1245	Hongkong Volmet	CHN	usb,E,Volmet	pt53
13282	1245	Hongkong Volmet	CHN	usb,E,Volmet	pt53
13282	0940	Tokyo Volmet	J	usb,E,Volmet	pt53
13282	1250	Auckland Volmet	NZL	usb,E,Volmet	pt53
13285	0850	Beijing volmet	CHN	usb,E,Volmet	pt53
13304	1046	El Al	ISR	usb,hebr., wkg UNID	pt53
13306	1913	Shanwick Aeradio	G	USB w/various aircraft	abNL
13330	1400	Cedar Base MEA	LBN	usb,E,wx for Beirut	pt53
13333	1225	Speedbird BA London	G	usb,E,wkg Speedbird 6?	pt53
13339	1330	'Mexico Radio' LDOC	MEX	wkg 006 ANY INFOS ??	aLEU
13354	1557	New York Aero	USA	usb,E,wkg Iberia 6521	pt53
13890	1321	Stockholm Radio LDOC	S	wkg Condor 687	aLEU
14645	1205	SKN26 Stockholm Radio LDOC	S	wkg Air Europa 791, EC-GCA	aLEU
14745	1150	Stockholm Radio LDOC	S	wkg Lufthansa 8208	aLEU
14890	1330	GKX Portishead Radio LDOC	G	wkg Kestrel 197	aLEU
16206	1237	Stockholm Radio LDOC	S	wkg Air France 3694	aLEU
17916	1416	Stockholm Radio LDOC	S	wkg A6-UAE	aLEU
18018	1210	ARCHITEC RAF STCICS	G	wkg SHF 205 r/c	aLEU

## A E R O (aircrafts)

4742	1705	Ascot 5063 RAF Flight LIPY->EGYCAIR	w/Architect, s/c AJ-DE	aLEU
5517	0125	AIN 953 African Int'l Airways	AIR w/Tripoli,AIN fm Swasiland	aLEU
5517	0130	FDN 830 unid Company ?!?	AIR w/Khartoum	aLEU
5598	0152	Reach 30X5 unid USAF Flight	AIR w/New York	aLEU
5598	2032	Reach Z1 unid USAF Flight	AIR w/Shanwick	aLEU
5598	1950	N399CC unid Operator ?	AIR w/Shanwick, s/c KR-DM	aLEU
5649	1935	TLA 569P Transaer (Ireland)	AIR w/Gander, GJ-AC EI-TLE	aLEU
5658	2230	Singapore 352	AIR clg Kabul, req QSY 3467	aLEU
5680	1311	Hotel 92 Swedish SAR, Heli ?	AIR wkg Swedish Air Rescue	aLEU
8825	1245	NAF 42 Royal Netherlands AF	AIR w/Santa Maria	aLEU
8867	1700	Air France 374	AIR usb,E,clg Brisbane	pt53
8879	1739	Romavia 101	AIR usb,E,clg Kinshasa Aero	pt53
8879	1710	SV 01B unid ??	AIR w/Gander, strange call ?!	aLEU
8888	1748	D2-MAJ unid Operator	AIR wkg Luanda	aLEU
8894	0007	LWA306 Liberian world Airl.	AIR usb,E,clg Algier Aero	pt53
8894	1801	United Nations 965	AIR clg Algier,wkg Tamanrasset	aLEU
8894	1830	LX-MMB unid Operator	AIR clg Algier	aLEU
8906	1400	Gold 64 unid USAF Flight	AIR w/Shanwick, to KIAB	aLEU
8906	1550	AEY 964 Aerolyon (France)	AIR w/Santa Maria	aLEU
8906	1810	RCAF 'Canforce 1661'	AIR w/Gander	aLEU
8906	0120	Mash 92,93 USAF/ANG KC-135 a/c's	AIR w/NY, Air Refueling a/c	aLEU
8930	1630	GDG 6 Polar Air Cargo/PAC	AIR w/St., Ffm->KDOV, BL-GH	aLEU
8930	0813	Reach 5005 Operated by AMT	AIR wkg Stockholm, to ->EGUN	aLEU
8930	0936	G-VIIN unid Operator	AIR wkg St.,pos. London/Ground	aLEU
8936	1005	F-GLMU unid Operator	AIR clg Berna Radio	aLEU
8992	1504	JGO 69 USAF/SFOR Flight	AIR wkg Croughton,id as 'Jago'	aLEU
10286	1554	PD-ISW Unid aircraft	S USB PP w/a Dutch ground stn	abNL
11175	1351	Ascot 72 RAF Flight	AIR w/Croughton, pp Mildenhall	aLEU
11175	1117	Reach 35PUSAF Flight	AIR w/unid GHFS	aLEU
11175	1430	Reach Q1 USAF Flight	AIR w/Incirlik, #67-955, ->FFM	aLEU
11175	1418	Reach 3599 USAF Flight	AIR w/Thule, #93-000599	aLEU
11175	1446	Navy JM354 USN Flight	AIR w/Incirlik	aLEU
11175	1444	N130JV unid	AIR w/Thule, ->Shannon	aLEU
11175	1429	Duke 85 unid USAF? Flight	AIR w/GHFS, req wx LDBG	aLEU

## EUNL1999

11175	1414	Gold 61	unid USAF? Flight	AIR w/Thule,wx Rota pp Hilda/E	aLEU
11244	1210	SHF 205	unid RAF ?	AIR w/ARCHITECT, req QSY 18018	aLEU
11300	1353	EGY 1838	Egyptian Air Force	AIR clg Cairo, wkg EGY 1123	aLEU
11345	1254	A6-AUH	Abu Dhabi Amiri Flight	AIR wkg Stockholm, 11 PAX	aLEU
11345	1314	EC-ELY	Viva Air 6703 / VIV	AIR wkg Stockholm,pp Ops Palma	aLEU
11345	1455	F-WWDX	AIRBUS Delivery Flight	AIR w/St., pos.Toulouse Ground	aLEU
12201	1628	VP-CCR	unid Operator	AIR w/Stockholm, pp Ops in UK	aLEU
13342	1413	A6-UAE	Abu Dhabi Amiri Flight	AIR wkg Stockholm	aLEU

## D I G I T A L

518	2210	GCC	Cullercoats R.	G NAVTEX gale wrng	zeTC
518	2242	9AS	Split R.	HRV NAVTEX nav wrng	zeTC
518	2248	OST	Oostende R.	BEL NAVTEX nav wrng	zeTC
518	2120	GNI	Niton R.	G NAVTEX gale wrng	zeTC
518	2130	GPK	Portpatrick R.	G NAVTEX Shipping forecast	zeTC
518	1950	PBK	Netherlands CG	HOL NAVTEX nav. wrng	zeTC
518	2000	SAH	Harnosand R.	S NAVTEX baltic sea gale warn	zeTC
518	2157	LGQ	Rogaland R.	NOR NAVTEX Lyngby R. relayed	zeTC
518	2344		CROSS Toulon	F NAVTEX ttt avurnav Toulon	zeTC
1626,3	2255		Marine Navig. Data	S Data // 1630,3	zeTC
1930	0417	LFI	Globe Rogaland R.	NOR Idle/CW-id: 'LFI'	aLEU
2643	2226	A9M	Hamala R.	BHR Idle/CW-id: 'DE A9M TLX'	aLEU
2768,2	1947		UNID	? ARQE/48/170 cont idle	pcG
3515	2013	AR	unid	R50/850: RY QRU DE AR QRU	aLEU
3657	2302	RVZ73	Archangelsk Meteo	RUS FAX 60/576 surface analys.	zeTC
3690	2325	RBV70	Tashkent Meteo	UZB FAX 60/576 surface analys.	zeTC
3763	1937	RFF--	UNID FF	F ARQE/184,7/400 cont idle	pcG
3782	2233	CTP	NATO Oeiras	POR RTTY 75 naws de ctp qsx	zeTC
3818	2120	RFF--	UNID FF	F ARQE/72/400 Ex,Transce/98-02	pcG
3830	0405	RUM9	unid (Murmansk?)	RUS FAX 120/576 //5008 wxcharts	zeTC
4002	0000	YRR2	Bucharest Meteo	ROU RTTY 50 Synops	abNL
4024	2110	RFF--	UNID FF	F ARQE/72/400 Ex,Transce/98-02	pcG
4056	1645	VG6Q	Czech Border Guards	CZE RTTY 50 RY + C/S	abNL
4214	0046	IDR2	Ny Roma	I RTTY 75 CARB	abNL
4227	0044	IGJ42	Ny Augusta	I RTTY 100 CARB	abNL
4262	1921	LFI	Globe Rogaland R.	NOR Idle/CW-id: 'LFI'	abNL+aLEU
4268,6	0036	SAB	Goteborg R.	S ARQ 100 clg CZDF	abNL
4322	1648	MJG	Ny Faslane	G VFT 75 CARB	abNL
4337	1746	VTH_	Ny Bombay	IND R50/850:RY VTH1/4/5/7 RBSL	aLEU
4562	1932		unid	RUS?FAX 60/576 daily wx 1932-53	zeTC
4583	0005	DDK2	Hamburg Meteo	D RTTY 50 RY	abNL
4595,5	1820	FDY	FAF Orleans	F R50/425: RY, Le Brick	aLEU
4601,5	2115	FDY	FAF Orleans	F R50/425: RY, Le Brick	aLEU
4610	0006	GFA22	Bracknel Meteo	G FAX 120/576 wx fax	abNL
4625	0020		Buzzer	RUS MODE??? buzzing the night	abNL
4765,2	1905	RFF-	FF Paris	F ARQE3/200/400/2ch FDXA/FDXB	pcG
4788	1709	FDG	FAF Bordeaux	F R50/450/R: RY, Le Brick	aLEU
4856,6	1855	FDY	FAF Orleans	F R50/425: RY, Le Brick	aLEU
4970,7	nights		UNID	? ARQE/48/170 cont idles	pcG
4991,7	1920	RFFVAY	FF Sarajevo	BIH ARQE3/200/400/2ch	pcG
5008	1648	RUM9	unid (Murmansk?)	RUS FAX 120/576 //6987 wxcharts	zeTC
5049	1858		Port. Police Dept. Barreiro	POR ARQ 100 abt stolen cars	abNL
5054,8	1711	JYF6	PETRA Amman	JOR R50/425: EE press	aLEU
5055	1735	JYF6	PETRA Amman	JOR RTTY 50 E nx// 6830	zeTC
5077,5	1506	FDG	FAF Bordeaux	F R50/425/R: RY, Le Brick	aLEU
5110	1533	FDG	FAF Bordeaux	F R50/425/R: RY, Le Brick	aLEU
5184	1420	FDY	FAF Orleans	F R50/425: RY, Le Brick	aLEU
5257,4	1248	FDI22	FAF Narbonne	F R50/850?: RY, Le Brick	aLEU
5376,5	1605	OST23	Oostende R.	BEL Sitor-B, cq qtc list in fec	zeTC
5478,1	1730		unid	R50/175/R: crypted, end:NNNN	aLEU
5518	1648	RUM9	unid (Murmansk?)	RUS FAX 120/576 //6987 wxcharts	zeTC
5526,9	2144	BAF6	Beijing Meteo	CHN FAX 120/576 wx charts	zeTC
5680,1	0815	HE25	unid tactical	R50/170/R: w/5PCK, op chat	aLEU
5807	1605	ZKLF	Auckland Meteo	NZL FAX 120/576 s. Pacific wx	zeTC
5831,1	1429		unid Tunesian MOI	TUN R50/175: Arab texts	aLEU
5887,5	0051	IMB2	Roma Meteo	I RTTY 50 Synops	abNL
6321,5	2230	SVU3	Athens R.	GRC Sitor-B cq de sva svc	zeTC

## EUNL1999

6324	2010	WCC	Globe Chatham R.	USA	Idle/cw-id: 'VCT/WCC'	aLEU
6329,5	2007	VCT	Globe Tors Cove R.	CAN	Idle/cw-id: 'VCT'	aLEU
6339,2	1127		Unid	?	rtty 75/850 encryp. text	ewAU
6340,5	2115	NMF	USCG Boston	USA	FAX 120/576 meteo charts	dpCH
6385	1152	CKN	Ny Vancourver,BC	CAN	rtty 75/850 de CKN Zkr Fi	ewAU
6453	2125	NPG	USNy San Francisco	USA	FAX 120/576 meteo charts	dpCH
6467	1957	LFI	Globe Rogaland R.	NOR	Idle/cw-id: 'LFI'	aLEU
6804	2019		tent. FAPSI/Russ. Intel		R75/425/R: 5 LGS	aLEU
6830,2	1725		PETRA Amman	JOR	R50/450: E Press	aLEU
6845,7	1837		MFA Cairo	EGY	ARQ 100 msgs to var. emb.	abNL
6968	1905		FAPSI/Russ. Intel	RUS	R75/425/R:5 LGS,Link 00052	aLEU
6984	0910	SNN299	Warsaw MFA	POL	POL-ARQ/100 msgs to Moscow	pcG
7512	1846	ZRO	Pretoria Meteo	AFS	ITA2 75 meteo text	dpCH
7596	2018	5UA46	Niamey Aero	NGR	AR2 96/425 wx	ewAU
7614	2013	RFFE	FF Bordeaux	F	E192/170 Idling Only	ewAU
7785	2140	NAR	USNy Key west	USA	ITA2 75 meteo text	dpCH
7831,5	2016	5ST	ASECNA Antananarivo	MDG	ARQE3 48 call	dpCH
8001,7	1048	RFHJ	FF Papeete	OCE	E3 100/425 Idling only	ewAU
8020	1347	HMF85	KCNA Pyongyang	KRE	RTTY 50/250 E-nx	zeTC
8050,2	2102	RFQP	FF Jibuti	DJI	ARQM2 200 text + call	dpCH
8110	1634	GXQ	Army London	G	VFT 50 Foxes	abNL
8192	1938	9MR	Ny Johor Baharu	MLA	RTTY ryryry 9mr	zeTC
8389	1439	ELRP9	mv Falcon Carrier	IW	ARQ100 test pls don't reply	abNL
8418	1613	IAR	Roma R.	I	Sitor-A 2070 iar i+?nanb	zeTC
8426,5	1857	WCC	Globe Chatham R.	USA	Idle/cw-id: 'VCT/WCC'	aLEU
8434,5	1435	SAB	Goteborg R.	S	FEC 100 Tfc list	abNL
8435	1849	VCT	Globe Tors Cove R.	CAN	Idle/cw-id: 'VCT'	aLEU
8453	1629	FUG	Ny La Regine	F	RTTY 75 RY FAAA DE FUG	abNL
8454	1629	UIW	Kaliningrad R.	KAL	RTTY 50 Nav wngs	abNL
8467,5	2315	JJC	Tokyo-Nazaki R.	J	FAX 60/576 press txt	zeTC
8475,5	2004	FUX	FNY Le Port	REU	RTTY 75 faa de fux	pcG+zeTC
8497	0750	HLF	Globe Seoul R.	KOR	Idle/cw-id: 'HLF'	aLEU
8504	0027	NMG	USCG New Orleans	USA	FAX 120/576 wx Gulf of MEX	zeTC
8538,5	1117		Unid	?	Unksys 75/850 encryp. text	ewAU
8541	1841	A9M	Globe Hamala R.	BHR	Idle/cw-id: 'A9M'	pcG+aLEU
8549	1656	UCE	Arkhangelsk R.	RUS	SITOR/A wkg ucgb	ewAU+pcG
8551,3	1848	CTP	NATO Lisboa	POR	R75/850R: NAWS	aLEU
8556	1007	SAB44	Goeteborg R.	S	SITOR	hb01
8564,9	1001		Unid Teleprint	?	RTTY	hb01
8586	0738	USO5	Izmail R.	UKR	R50/175/R:'RY DE USO5 795'	aLEU
8605	1530	UIW	Kaliningrad R.	KAL	ITA2/50/170 qtc list	pcG
8620	0948		Unid Teleprint	?	RTTY	hb01
8632,6	0943		Unid Teleprint	?	RTTY	hb01
8642,2	1449	MGJ	Ny Faslane	G	VFT 75 CARB	abNL
8655	1040	UFL	Vladivostok R.	RUS	Baudot 50/170 RUS msgs	ewAU
8677	2315	CBV	Valparaiso R	CHL	FAX 120/576 meteo chart	zeTC+dpCH
8683,5	1807	LFI	Globe Rogaland R.	NOR	Idle/cw-id: 'LFI'	aLEU
8702,5	0924		Unid Teleprint	?	RTTY	hb01
8884,6	0217		unid		R50/425/R:5FGS,end:-QRU CW	aLEU
9041	2253	5YE	Nairobi Meteo	KEN	RTTY 100 cq de 5ye ry	zeTC
9117	0914		Unid Teleprint	?	RTTY	hb01
9462,5	2315	ETD3	Addis Aero	ETH	ITA2/50/400 `VTA` cct tfc	pcG
10100,8	1511	DDK2	Hamburg Meteo	D	RTTY 50 RY's	pt53+abNL
10117	0809	BAF4	Beijing Meteo	CHN	FAX 90/576 surf analysis	zeTC
10125	1627	SUU	Cairo Meteo	EGY	FAX 120/576 meteo charts	dpCH
10132	0535	TNL	ASECNA Brazzaville	COG	ITA 50 text+call	pcG+dpCH
10186	0852		Unid Teleprint	?	RTTY	hb01
10200	1455	MKK	RAF London	G	VFT 50 RYI + foxes	zeTC+abNL
10215	1605	HZN	Jeddah Meteo	ARS	ITA2 100 meteo	abNL+pt53+dpCH
10254	1404		Unid	?	RTTY 50 On-line encr. msgs	abNL
10256	1825		Unid	?	100bd Then unid 200-300bd	abNL
10264,1	0845		Unid Teleprint	?	RTTY	hb01
10282,5	1145	MKK	RAF London	G	rtty 50 bd/425, foxes,id	pt53
10302,5	0839		Unid Teleprint	?	RTTY	hb01
10310	0836		Unid Teleprint	?	RTTY	hb01
10315	0835		Unid Teleprint	?	RTTY	hb01
10393,7	2230	RFFVA	FF Paris	F	E3,200/425 idling	ewAU
10407	1458	LN2A	IPS beacon sveio	NOR	cw-cw/data/rtty bursts	abNL



## EUNL1999

10424	1157	YMA20	Ankara Meteo	TUR	RTTY 50 ry+sked	abNL+zeTC
10442	1545		FAPSI Moscow	RUS	RTTY 75 Msg to VTX on link	abNL
10493,7	0605	RFTJF	FF Port Bouet	CTI	ARQE3 48 controle de voie	dpCH
10521,7	1947	RFLI	FF Fort De France	MRT	E3 192/425 idling	ewAU
10536	1848	CFH	CF Halifax	CAN	RTTY 75 wx	abNL
10555	1405	AXI34	Darwin Meteo	AUS	FAX 120/576 temp. Ind.OceanzeTC	
10576,8	2232		Unid	?	75/850 encryp. text	ewAU
10584	1425		Fapsi Moscow	RUS	RTTY 75 Msgs to KUL 00142	abNL
10767	1500	RGA	Fapsi Moscow	RUS	RTTY 75 Msgs to BFR 70004	abNL
10798,3	2237	RFLI	FF Fort De France	MRT	E3, 192/425 idling	ewAU
10825	1011		Unid Teleprint	?	RTTY	hb01
10855	1417	GXQ	Army London	G	VFT 50 Encrypted msgs	abNL
10905,3	2224		Unid	?	50/850 encrypt. text	ewAU
10917,7	1851	RFTJ	FNY Port Bouet	CTI	ARQE-3 48 Msg to RFTJF	abNL
10952	1431	HDB20	MFA Berne	SUI	Sitor-A F-mgs to HDB74	zeTC
10980	0958	RDD79	Moscow METEO	RUS	FAX	hb01
11007,5	0953		Unid Teleprint	?	RTTY	hb01
11014	1436		Fapsi Moscow	RUS	RTTY 75 Msgs to NOB 70004	abNL
11039	0949	DDH9	Hamburg METEO	D	RTTY	hb01
11068	0946		Unid Teleprint	?	RTTY	hb01
11080	1433	YKP32	SANA Damascus	SYR	RTTY 50 F-nx, 1437 E-nx	zeTC
11110	0940		Unid Teleprint	?	RTTY	hb01
11125,3	1955	HZN	Jeddah Meteo	ARS	100/425 Baudot wx	ewAU
11159,1	0931		Unid Teleprint	?	RTTY	hb01
11423,5	1412	SOL242	PAP Warsaw	POL	Sitor-B, pol.-nx, SPW id	zeTC
11430	1135	HMF55	KCNA Pyongyang	KRE	RTTY 50/250 E-nx	zeTC
11476	2335	HMF52	KCNA Pyongyang	KRE	FAX 60/352 J/CH nx txt	zeTC
12130,1	1055		Unid	?	75/425 Baudot 5 L/Grps	ewAU
12144,8	1111		Unid	?	100/850 encryp. text	ewAU
12193	1410		FAPSI Moscow	RUS	RTTY 75 Msg to KUL no reply	abNL
12193	1410		Fapsi Moscow	RUS	RTTY 75 Msgs to KUL 00142	abNL
12582	0917	SAB606	Goeteborg R.	S	SITOR	hb01
12584	1503	VIP76	Globe Perth R.	AUS	Idle/CW-id: 'VIP'	aLEU
12591	0909	SAB624	Goeteborg R.	S	SITOR	hb01
12594	1848	A9M	Hamala R.	BHR	Idle/CW-id: 'DE A9M TLX'	aLEU
12595	1034	CUL	Lisbon R.	POR	Sitor-B,E/P CULTEX foxes	zeTC
12601	1842	ZSC63	Globe Cape Town R.	AFS	Idle/CW-id: 'ZSC'	aLEU
12604,5	1210	WLO	Mobile R.	USA	SITOR/A tlx/cw mkr	pcG
12610	1837	VCT	Globe Tors Cove R.	CAN	Idle/CW-id: 'VCT'	aLEU
12624	1835	SAB	Globe Goteborg R.	S	Idle/CW-id: 'SAB'	hb01+aLEU
12625,5	1036	UCE	Archangelsk R.	RUS	SITOR	hb01
12668,6	1028		Unid Teleprint	?	RTTY	hb01
12673,5	0922		Unid Teleprint	?	RTTY	hb01
12678	1205	LFI	Globe Rogaland R.	NOR	Idle/CW-id: 'LFI'	hb01+aLEU
12701	1014		Unid Teleprint	?	RTTY	hb01
12711,6	1011		Unid Teleprint	?	RTTY	hb01
12714	1100	UCE	Arkhangelsk R.	RUS	Sitor-B RUS msgs	hb01+ewAU
12727	1143	HLF	Globe Seoul R.	KOR	Idle/CW-id: 'HLF'	aLEU
12729,9	0959		Unid Teleprint	?	RTTY	hb01
12739,9	0956		Unid Teleprint	?	RTTY	hb01
12745,5	1105	JJC	Tokyo-Nazaki R.	J	FAX 60/576 nx txt	zeTC
12818	0941	SAB63	Goeteborg R.	S	SITOR	hb01
12823,5	1938	CTP	NATO Oeiras	POR	RTTY 75 NAWS DE CTP QSX	abNL
12852	0931		Unid Teleprint	?	RTTY	hb01
12883,4	0921		Unid Teleprint	?	RTTY	hb01
12883,9	1128		Unid	?	Unksys 100/850 encryp. text	ewAU
12903	1420	RBSL	Bombay IN	IND	ITA2/50/850 test mkr	ewAU+pcG
12921,2	1447	MGJ	Ny Faslane	G	VFT 75 CARB	abNL
13042,5	1205	FUV	FF Djibuti	DJI	ITA2/75/850 ry/sg mkr	pcG
13399	1438	DFZG	MFA Beograd	YUG	RTTY	hb01
13411,6	1433		Unid Teleprint	?	RTTY	hb01
13514,5	1430		Unid Teleprint	?	RTTY	hb01
13920	0930	AXM35	Melbourne Meteo	AUS	FAX 120/576 meteo charts	dpCH
13951	1052	HDB20	MFA Berne	SUI	Sitor-A 5 lt grps,HDB20/5k	zeTC
13956,5	1024		MFA Tunis	TUN	Sitor-B 5lt grps ry de 54	qzeTC
13961,5	1155	HDB55	SUI Emb Moscow	RUS	Sitor-A F-mgs	zeTC
13963	1138	HDB23	SUI Emb Ankara	TUR	Sitor-A F-mgs to HDB20/2	zeTC
14337,2	0930	BAF	Beijing R.	CHN	Baudot wx off freq.?	ewAU

EUNL1999

14436	1027	GFE23	Bracknell METEO	G	FAX		hb01
14461,5	1348	BD	French voice on 14460	also	using packet	PACKET 300	abNL
14467,3	1023	DDH8	Hamburg METEO	D	RTTY		hb01
14473	1021		Unid Teleprint	?	RTTY		hb01
14585,7	1521	RFPTC	FF N'Djamena	TCD	ARQ-M2		hb01
14681	1137	V5G	MFA Bucharest	ROU	Rum-FEC,164.5 bd,coded	msgs	pt53
14722,3	1458		Unid Teleprint	?	?		hb01
16044,9	1457		Unid Teleprint	?	RTTY		hb01
16104	1116	LJA20	MFA Oslo	NOR	Sitor-A/TWINPLEX	msgs tfc	zeTC
16125,2	1445	RFQP	FF Djibouti	DJI	ARQ-M2		hb01
16193,2	1158	RFQP	FF Djibouti	DJI	ARQ-M2		hb01
16217	1153		Unid Teleprint	?	ARQ-E		hb01
16253,3	1111		Unid	?	Baudot 75/850	5Ltr Grps	ewAU
16280,2	1144	RFFA	MOD Paris	F	ARQ-M2		hb01
16310,2	1136	RFFA	MOD Paris	F	ARQ-M2		hb01
16809	1014	VIP35	Globe Perth R.	AUS	Idle/CW-id: 'VIP'		aleU
16811	1012	A9M	Hamala R.	BHR	Idle/CW-id: 'DE A9M TLX'		aleU
16825	1435	WCC	Globe Chatham R.	USA	Idle/CW-id: 'VCT/WCC'		aleU
16841	1028	8PO	Globe Globe Barbados	BRB	Idle/CW-id: '8PO'		aleU
16851	1029	SAB891	Globe Goteborg R.	S	Idle/CW-id: 'SAB'		aleU
16905	1630	FUV	FF Djibuti	DJI	ITA2/75/850	ry/sg mkr	pcG
16926	1037	LFI	Globe Rogaland R.	NOR	Idle/CW-id: 'LFI'		aleU
16927	1027	UIW	Kaliningrad R.	KAL	Baudot 50/170	RUS msgs	ewAU
16936,9	1027		Unid	?	100/170	encryp. text	ewAU
16951,5	0910	6WW	FF Dakar	SEN	ITA2/75/650	ry/sg mkr	abNL+pcG
16957,2	0255	FUM	FNY Noumea	NCL	rtty		dbCE
16961,9	1043	FUF	FNY Fort De France	MRT	Baudot 75/850	RY	ewAU
16986	1829	CTP	NATO Oeiras	POR	RTTY 75	NAWS DE CTP QSX	abNL
17024	1110	SAB83	Goteborg R.	S	Sitor-A	selcalling ships	ewAU
17066	1051	A9M	Globe Hamala R.	BHR	Idle/CW-id: 'A9M'		aleU
17079	1052	HLF	Globe Seoul R.	KOR	Idle/CW-id: 'HLF'		aleU
17106,9	1136		Unid	?	100/850	encryp. text	ewAU
17151,2	1520	NMC	USCG Pt. Reyes	USA	FAX 120/576	surface analys.	zeTC
17177	1310	URK9	Kertch R.	UKR	rtty 50,	msgs,id,cw-id	pt53
17223,8	0950		Unid	?	100/850		ewAU
18974,5	0900	TAD	MFA Ankara	TUR	FEC-A144,E rep.,de tad		pt53
19530,2	1000	FJY2	FTS Port-aux-Francais(tent)	KER	ARQ96, idling, no ID		pt53
19696	1348	8PO	Globe Barbados R.	BRB	Idle/CW-id: '8PO'		aleU
19706	1353	LSD836	Globe Buenos Aires R.	ARG	Idle/CW-id: 'LSD836'		aleU
19726	1355	A9M	Globe Hamala R.	BHR	Idle/CW-id: 'A9M'		aleU
19910	1118	HLF	Globe Seoul R.	KOR	Idle/CW-id: 'HLF'		aleU
20633,7	1615	RFVI	Le Port FF	REU	ARQE3/100/400	REI` to Paris	pcG
20837,1	1457		CUB Emb Brazzaville	CGO	R50/425: 5FGS & opn Sp.msg		aleU
22378	1325	VIP	Globe Perth R.	AUS	Idle/CW-id: 'VIP'		aleU
22447	1345	FUV	Jibuti FF	DJI	ITA2/75/850	ry/sg mkr	pcG

T I M E S I G N A L

4996	2255	RWM	TS station Moscow	RUS	cw time + id		abNL
8637	1810	VNG	Sydney TS	AUS	cw-time second ticks		pcG
9996	1449	RWM	TS Moscow	RUS	cw-Time signals		hb01+abNL

Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AZR-Santa Maria Aero	70	QSL-letter	8825	CSY		gsLX
CAN-Iaqluit CGRS	22	f/d lt,infos/IRC	7710	VFF	5000 w	zeTC
D -Gluecksburg Rescue	5	f/d PPC/vc, ms	5680	DHM42	10000 w	pt53
D -NDB Giessen	6	ppc/SASE	314	`GIN`	50w	mm35
D -NDB Koenig	6	ppc/SASE	355	`KNG`	100w	mm35
D -NDB Lichtenau	6	ppc/SASE	341	`LAU`	50w	mm35
D -NDB Ruedesheim	6	ppc/SASE	338	`RUD`	50w	mm35
D -NDB Spessart	6	ppc/SASE	370	`PSA`	100w	mm35
D -NDB Friedrichshafen	20	ppc,i,pers.lt,st	473	`FHA`	100 w	pt53
D -NDB/L Frankfurt	6	ppc/SASE	297	`FR`	20w	mm35
D -NDB/L Frankfurt	6	ppc/SASE	382	`FW`	20w	mm35
D -NDB/L Koeln	6	ppc/SASE	365	`LJ`		mm35

EUNL1999

D -NDB/L Koeln	6	ppc/SASE	327	`LV`		mm35
D -NDB/L Koeln	6	ppc/SASE	300,5	`LW`		mm35
D -Offenbach Meteo	17	f/d lt,ppc	4583	DDK2	1000 w	zeTC
D -Offenbach Meteo	17	f/d lt,ppc	147,3	DDH47	15000 w	zeTC
DNK-Lyngby R.	37	cd,map card,sked	8598	OXZ4		zeTC
DNK-Navy Aarhus	6	ppc/SASE	2352,5	OVK	400 w	gsLX
F -NDB Epinal-Mirecourt	74	ppc/ms	419	`EMT`	50w	hb31
F -NDB Metz	30	f/d ppc,i/vc,USD back	354	`MTZ`	50 w	pt53
F -Ny Brest	16	lt	2789	FUE		zeTC
G -MRSC Falmouth	10	no det.lt/vc,IRC(back)	2226		250 w	pt53
G -MRSC Thames	5	f/d lt,st,I/vc	2182			pt53
G -MRSC Humber	10	f/d cd,lt,I/vc,IRC r)	2226		250 w	pt53
GRC-Limnos Radio	34	f/d cd/vc,USD	2730	SVL	1000 w	pt53
GRL-USAF Thule	22	cd w/out det./vc	11175			pt53
HRV-Rijeka R.	13	cd,sked	8700	9AR	6000 w	zeTC
ISL-Iceland Aero	17	f/d cd/vc, PPC, USD	8891	TFW	10000 w	pt53
IW -Maureen Platform	12	lt/SASE	2182	GBMK		gsLX
IW -MV Apollo Prestige	41	ppc,photo/SAE	2182	C6DR5		gsLX
IW -MV Aurelia	35	ppc/SASE	2182	IBIE	250 w	gsLX
IW -MV Boxer	42	ppc/SASE	2182	ORLI	250 w	gsLX
IW -MV Britannia Monarch	34	ppc/SASE	2182	GRIB		gsLX
IW -MV Cap Canaille	45	ppc,photo/SASE	2182	FQRQ	400 w	gsLX
IW -MV Dana Futura	15	ppc,photo/SASE	2182	IBHD		gsLX
IW -MV Highland Piper	18	ppc,info/SASE	2182	MVfy8	400 w	gsLX
IW -MV Maersk Finder	29	ppc,photo/SASE	2182	MSGR6		gsLX
IW -MV Maersk Gabarus	25	ppc,info/SASE	2182	VCYS		gsLX
IW -MV Marine Explorer	239	ppc,photo/SASE	2182	GUIY		gsLX
IW -MV Norse Tide	35	ppc/SASE	2182	MGWF5	500 w	gsLX
IW -MV Putford Acasta	38	ppc/SASE	2182	MONX2		gsLX
IW -MV Red Martin II	27	ppc,info/SASE	2182	J8RD9	125 w	gsLX
IW -MV Selectivity	10	ppc/SASE	2182	GDMK	250 w	gsLX
IW -MV Stirling Tay	17	ppc/SASE	2182	MXZA5	250 w	gsLX
IW -MV Swallow	23	ppc/SASE	2182	MMCF8		gsLX
IW -MV Toscana	33	ppc,info/SASE	2182	ICGT		gsLX
IW -MV Veesea Hurricane	29	ppc/SASE	2182	C60Y5	250 w	gsLX
IW -MV Viking Vixen	42	ppc/SASE	2182	GUWV		gsLX
IW -MV Waddenzee	46	ppc,info/SASE	2182	PILN	200 w	gsLX
IW -Rig Santa Fe Monarch	20	ppc,lt/SASE	2182	HO2121	600 w	gsLX
JOR-ALIA Base	36	lt w/out det./vc, IRC	9003	ALIA	5000 w	pt53
KEN-Nairobi Meteo	53	f/d lt/ms	17445,6	5YE2	6000 w	zeTC
LVA-Riga Rescue	16	lt,ppc,sticker	5680		600w	mm35
MLT-Malta Radio	36	ppc/SAE	2182	9HD	3000 w	gsLX
POR-R.Naval Apulia	7	ppc/ms	2657		1000 w	hb31
RUS-Petrozavodsk Radio	19	det cd, PPC/vc,USD	12817,5	RUA8		pt53
S -NDB Salthamn	15	f/d l/vc, USD	351	`OV`	100 w	pt53
SLO-NDB Brnik	8	ppc,vc, IRC	328	`KAM`		pt53
SNG-KYODO Singapore	20	ppc via Tokyo	17430	9VF209	10000 w	zeTC
TUN-Tabarka R.	21	lt,ppc,tour.-i/IRC	2182	3VT1	750 w	hb31
TWN-Taipai Meteo	38	cd	18560	BMF	10000 w	zeTC
USA-AFN Key West	136	n/d lt/-	12689,5			hb31
USA-MARICOM	9	f/d PPC/vc,USD	8294	WHU959	1000 w	pt53
USA-MARS Shohola	16	det. cd/vc,USD	14402	AAR3CB	800 w	pt53

Membership and Money corner:

Note from the treasurer: For fd40, km40, hs61 ,js38 ,(zeTC) the paperversion of EUNL 2-99 will be the last as you haven't paid your fee since Nobember 98!!!  
Due to renew for February 99: pb40, kjs, fmI and koCH! For April 99: dmRU.

Addresses/Infos/Veri-signers:

A new NDB has started operations from Germany: `MIC` 407,0 khz Michaelsdorf  
GC: N5418,0 E01100,0 Source: DFS 15DEC1998 (mm35)

I got an email from Marcus Ramos(PY3CRX/PY2PLL) <http://www.unetsul.com.br/py2pll>  
on unid NDB's. I forgot to put his info in EUNL 1-99. Sorry Marcus, but nothing gets lost, hi.

384	2029 MT	Unid	?	id		11-98
Meyerton	MT	385,0kHz	S26°33'24"	E28°01'59"	S.Africa	
386	2033 MT	UNID	?	id (once al 5 sec)		7-97

## EUNL1999

Meyerton MT 385,0kHz S26°33'24" E28°01'59" S.Africa  
 400 0607 RA Unid ? id 12-98  
 MANYANI RA 398,0kHz S03°05'59" E38°30'00" Africa  
 402 0052 R(ER?) Unid ? id+tone (once all7-8sec.)7-98  
 COCHABAMBA R 402,0kHz S17°23'44" W66°15'46" S.America  
 Marcus Ramos has a S.America's/Africa's NDB-list at :  
[http://www.unetsul.com.br/py2p11/ndb\\_list.htm](http://www.unetsul.com.br/py2p11/ndb_list.htm) tnx, Marcus!!

Some corrections for the EUNL callsign list from J. Rosa/Portugal, TNX!

CSF 25 - AF Monsanto (delete)  
 CSF 36 - Ponta Delgada (delete)  
 CSF 461 - POR AF Terceira (Portuguese Army (not Air Force))  
 CSF 462 - POR AF Horta (Portuguese Army (not Air Force))  
 CSL 84 - MoI Bragança (close down long time ago)  
 CSP - MoI Lisbon (Police network) not DIP  
 CTC - NY Cascais (close down)  
 CTP - Oeiras (Nato Station) (Transmitter site in Palhais)  
 Corrections will be in the updated list next time!

NDB Brnik: Aerodrom Ljubljana, Zg. Brnik 130a, SI-4210 Brnik-aerodrom, Slovenija (pt53) (v/s: J. Meznarsic, Commercial Director) (pt53)  
 NDB Metz-Nancy-Lorraine: Administration de Aeroport, Nancy Lorraine Aeroport, Route de Vigny, F - 57420 Verny (pt53)  
 NDB Friedrichshafen: Flugsicherung, Flughafen Friedrichshafen, Postfach 1520, 88005 Friedrichshafen (pt53) v/s: Philipp Kramer (pt53)  
 USA MARS Shohola: U.S.Army MARS Station, 6 Walkerlake, Shohola, PA 18458, USA (pt53) (v/s: Scott Rondo, Station Operator) (pt53)  
 MARICOM: MARICOM, 307 South McKenzie Street, Suite 311, Foley, Alabama 36535, USA (pt53)  
 ALIA/Royal Jordanien: Royal Jordanian Airlines, BSC Electronics, Avionics and Communications Mgr., P.O.Box 39, Taberbor, Amman (v/s=Ibrahim Muhawesh)(pt53)  
 USAF Thule: Thule Global HF Station, Unit 82501, APO AE 09704, USA (pt53) (v/s=David Cormack, William E. Wirth)(pt53)  
 NDB Salthamn: Telia Mobile AB, Visby flygplats, 621 41 Visby (pt53)  
 IW-NDB Hewett A/HWQ 426 kHz: Phillips Petroleum Co. UK. Ltd. 48-29A.Q, Bacton Gas Terminal, Bacton, Norwich, Norfolk NR12 0JG, United Kingdom (rk50)  
 IW-NDB Sean P/SHO 333 kHz: Sean Papa Platform, Shell UK Expro, P.O.Box 4, Lothing Depot, Lowestoft, Suffolk NR32 2TH, United Kingdom (rk50)  
 IW-NDB K12Bravo/KB 402 kHz: K12 Bravo Radio Room, c/o Noordzee Helicopters, Luchthavenweg 10, NL-1786 PP Denhelder, The Netherlands (rk50)  
 F-NDB Epinal-Mirecourt/EMT: District Aéronautique de Lorraine, Maintenance M.N.L. Aéroport Metz Nancy Lorraine, B.P. 16, F-57420 Goin (hb31)  
 D-Offenbach Meteo/DD.: Enginer, Postfach 100465, D- 63004 Offenbach (zeTC)  
 CAN-Iqaluit CGRS/VFF: M.C.T.S.O. Iqaluit Canadian Coast Guard Radio Station, P.O.Box 109, Iqaluit, N.W.T. X0A 0H0, Canada (zeTC)  
 KEN-Nairobi Meteo/5YE: Director of KMS, Kenya Meteorological Services, P.O. Box 30259, Nairobi, KENYA (zeTC)  
 F-Ny Brest/FUE: Marine Nationale, Service Transmissions et Informatique de la Région Atlantique, B.P. 46, F- 29240 Brest Naval, France (zeTC)  
 TUN-Tabarka R./3VT1: Chef Centre Radio Maritime, Tabarka 8110, Tunesien (v/s Sleimia Mohamed Lakdar)(hb31)  
 Thames Coastguard: Maritime and Coastguard Agency, MRSC Thames, East Terrace, GB-Walton-on-the-Naze, Essex CO14 8PY (v/s: Alan Bloom, Watch Officer) (pt53)  
 Humber Coastguard: Maritime and Coastguard Agency, Humber District, Limekiln Lane, GB - Bridlington, East Yorkshire, YO15 2LX (v/s Clive M. Stephenson, Coastguard Watch Assistant) (pt53)  
 Falmouth Coastguard: Maritime and Coastguard Agency, MRCC Falmouth, Pendennis Point, Castle Drive, GB-Falmouth, Cornwall TR11 4WZ, (v/s: Stephen Varley, Operations Manager)(pt53)  
 Limnos Radio: O.T.E., M.K.P. Limnos, 81400 Myrina, Greece: but QSL came from Athens Radio (v/s in Athen: I. Troylis, Manager of Athina Radio) (pt53)  
 Petrozavodsk Radio: Petrozavodsk Radio, Pirogovastr. 2, 185630 Petrozavodsk, Karelia, Russia (pt53)  
 Gluecksburg Rescue: Flottenkommando, Bw 242, Uferstrasse, D-24960 Gluecksburg  
 Iceland Aero: Gufunes Telecommunications Centre, Box 12240, 132 Reykjavik, Iceland (v/s Bjoern Nielsen) (pt53)  
 9HD Malta R.: Telemalta Corporation, P.O.Box 573, Spencer Hill, Marsa, Valetta, Malta (gsLX)

## EUNL1999

OVK Navy Aarhus: Soevaernets operative Kommando, Commcenter, Postboks 483, 8100 Aarhus C (gsLX)  
 CSY Santa Maria Radio: <http://www.terravista.pt/aguaalto/2010/> (gsLX)  
 C6DR5 Apollo Prestige: Marine Industrial Concerns SA, 8 Charilaou Trikoupi Street, GR-185 36 Pireaus, Greece (gsLX)  
 FQRQ Cap Canaille: Delom S.A., 16 Quay Francois Maillol, F-34200 Sete (gsLX)  
 GBMK Maureen Alpha Platform: Phillips Petroleum Co. UK Ltd., Regent Centre, Regent Road, Aberdeen, Scotland (gsLX)  
 GDMK Selectivity: Everard & Sons Ltd, The Warf, Greenhite, Kent DA9 9NW (gsLX)  
 GRIB Britannia Monarch: Viking Standby Ltd., Annat House, South Quay, Ferryden, Montrose, DD10 9UB, UK (gsLX)  
 GUIY Marine Explorer: Eidesvik & Co. A/S, N-5442 Bomlo, Norway (gsLX)  
 GUWV Viking Vixen: Viking Standby Ltd., Annat House, South Quay, Ferryden, Montrose, DD10 9UB, UK (gsLX)  
 HO2121 Santa Fe Monarch: Santa Fe Drilling Co. (N. Sea) Ltd., Greenbank Crescent, East Tullos Industrial Estate, Aberdeen AB12 3BG, Scotland (gsLX)  
 IBHD Dana Futura: DFDS AS, Sankt Annae Plads 30, DK-1295 Copenhagen K (gsLX)  
 IBIE Aurelia: Tirrenia di Navigazione SpA., CP142, Rione Sirignano 2, I-80121 Napoli (gsLX)  
 ICGT Toscana: Tirrenia di Navigazione SpA., CP142, Rione Sirignano 2, I-80121 Napoli (gsLX)  
 J8RD9 Red Martin II: Care Offshore S.A., L'Oujonnet, B.P.5, CH-1195 Bursinel, Switzerland (gsLX)  
 MGWF5 Norse Tide: Tidewater Marine North Sea, Souter Head Road, Altens Industrial Estate, Aberdeen AB12 3LF (gsLX)  
 MMCG8 Swallow: Tidewater Marine North Sea Ltd., Souter Head Road, Altens Industrial Estate, Aberdeen AB12 3LF (gsLX)  
 MPNX2 Putford Acasta: Putford Enterprises Ltd., Columbus Buildings, Waveney Road, Lowestoft, Suffolk NR32 1BS, UK (gsLX)  
 MSGR6 Maersk Finder: The Maersk Co.Ltd., One Canada Square, Canary wharf, London E14 5DP, UK (gsLX)  
 MVFY8 Highland Piper: Gulf Offshore N.S. Ltd., Salvesen Tower, Blaikies Quay, Aberdeen AB11 5PW (gsLX)  
 MXZA5 Stirling Tay: Stirling Shipmanagement Ltd., 16 Woodside Crescent, Glasgow G3 7UT (gsLX)  
 ORLI Boxer: Union de Remorquage et de Sauvetage SA, 15 Jordaenskaai, B-2000 Antwerp, Belgium (gsLX)  
 PILN Waddenzee: Poseidon Chartering BV, Postbus 20, Landstraat 50-52, 9930 AA Delfzijl, The Netherlands (gsLX)  
 VCYS Maersk Gabarus: AP Moller, 50 Esplanaden, DK-1098 Copenhagen K (gsLX)

B O O K R E V I E W by Reinhard Klein-Arendt (rk50)

(two further reviews will be in EUNL 3-1999 -> space problems here, sry!)

Oexner, Michael: The European NDB Handbook, Roschbach 1999  
 This Handbook has been compiled by well known NDB-DXer Michael Oexner from official sources like the RAF Enroute Supplements, the popular AERAD list or the Admiralty Lists. The book contains data of more than 3400 active NDBs on Long- and Mediumwave located in Europe, North Africa, the Middle East and the US/Canadian Atlantic regions and on offshore installations such as oilrigs. Moreover it includes widely reported unidentified beacons and irregular callsigns which originate from so-called 'negative keying'. The one or the other NDB mystery may be solved with this latter list on hand. The book, written in English, is divided into three parts: Part 1 shows the entries sorted by alphabetical order of the callsign, part 2 is sorted in frequency order and part 3 in country order. All three parts are most important for the daily NDB DX life. Part 1 is the reference list containing data on callsign, frequency, the authority or company taking care of the NDB, name and location of the NDB, ITU and geographical coordinates. Part 2 proves to be very helpful in those cases when identifying a beacon succeeds only in parts. A look into the frequency list displays all possibilities on and around the actual frequency one is listening to. Part 3 helps to search for NDBs of a special country or direction, just in case propagation allows good reception especially from one direction. A special feature of this list is the offer by the author to calculate the distance and Great Circle bearing for the individual location of the user. Included are also a table showing those NDBs that are nearest to the loca-

EUNL1999

tion of the user, a short introduction to the field of NDB DXing, an ITU list and a table showing the morse alphabet. All in all this list is the most complete and most user-friendly NDB list I have ever seen in my 20 years of NDB listening. The exact spelling of the locations, which originate from hundreds of different languages contributes to the positive impression I got. The spiral-bound handbook will be updated every month and contains approximately 120 pages in DIN A4 format. Costs are DM 30, British P. 15 or \$ 20 (including postage and packing to European countries). It may be ordered from: Michael Oexner, Hainfelder Strasse 1, D-76835 Roschbach, Germany, e-mail is michaeloexner@compuserve.com.

The handbooks will be produced individually and due to expected high QRL workload in 1999 a production time of 2 weeks should be expected. Anyone ordering the list shouldn't forget to specify the geographic coordinates of his listening post!

Inquiries Department:  
OM Zdenk (zeTC) requests help with RUM9 and addresses for CROSS Toulon, Taskent Meteo and Karachi R./ASK. Anyone???

This great work was made by our (18) famous contributors: pt53, mm35, gsLX, ewAU (Australia), pcG, pdCH, hb01, mo76/moS, abNL, hb31, dbCE (Chile), J.Rosa, dmRU, Marcus Ramos (Brasila), rk50(rk5x=rk50 in Bergheim near Cologne), nr76, zeTC, aLEU

gd dx + 73`s, until next month @

Andreas

EUROPEAN UTILITY NEWSLETTER 3-1999

\*\*\*\*\*  
\* Editor: Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY \*  
\* Tel.: (49) 02841 / 178529 \*\*\*\*\* e-mail: aibold@aol.com \*  
\* Home page: http://members.aol.com/aibold/EUNL.htm \*  
\* Treasurer: Norbert Reiner \*  
\* Membership fees to: Badische Beamtenbank Karlsruhe \*  
\* Konto Nr.: 2038005 BLZ: 66090800 \*  
\* Dispatcher: Norbert Reiner \*  
\* ----- \*  
\* Membership fees for the printed copies: payable to the treasurer \*  
\* Germany: 20 DM; Europe: 20 DM (13 \$); Overseas: 25 \$ or the equivalent in \*  
\* foreign currency - no cheques please!!) \*  
\* \*  
\* Deadline: 20th of the month!!! \*  
\*\*\*\*\*

Hi ute buffs,

I got a hardware-crash on my drive C and I had to install everything new. I hurried to compile the EUNL but I had to save some logs for the next issue due to lack of time. So there will be no differences between the internet-version and the normal paper-edition. All other stuff will be in EUNL 4-99! IMPORTANT: I please you to send in your stuff until the 14th of March as I will be on holiday!!!! Many thanks for understanding!!!

N D B

286	2315	DY	unid (Duesseldorf?)	?	id	ti47
290	2355	TR	Tirana-Rinas	ALB	id	zeTC
290,5	2022	VI	Cabo Villano Lt.	E	2 x id + dash	pt53
291	1738	ONL	Liege	BEL	id	pt53
292	1738	NKR	Neckar	D	id	pt53
293	1921	OB	Brussel-Zaveltem	BEL	id + tone	pt53
300,5	1207	LW	Koeln-Bonn	D	id + dot	pt53
304	2308	TND	Tanderei	ROU	id	zeTC
307	1813	DIK	Diekirch	LUX	id	zeTC+pt53

## EUNL1999

311	2317	LMA	Lima	BEL	id	ti47
312	2357	DAN	Danilovgrad	YUG	id+dash	zeTC
314	2031	GIN	Giessen	D	id	pt53
315	1856	VS	pres. Tampere Pirkkala	FIN	id + dash	pt53
317a	1222	GIN	unid	?	id	aLEU
320	2209	GLA	Gland/Geneva	SUI	id	zeTC
320	0020	DO	Djupivogur	ISL	id	zeTC
320	1840	SA	Timisoara-Giarmata	ROU	id + tone	pt53
320a	0022	GZO	Unid (Iceland?)	?	id 4x = 1 min	zeTC
321	0010	SP	Sktydstrup-Vojen	DNK	id	zeTC
323	2333	GT	Hamburg	D	id	ti25
323	2127	ONC	Charleroi/Gosselies	BEL	id + tone	pt53
327	1202	LV	Koeln-Bonn	D	id + dot	pt53
329	2317	HA	Budapest-Ferihegy	HNG	id	zeTC
329	1828	VX	Vaexjoe/Kronoberg	S	id	aLEU
331	2320	TE	Thisted	DNK	id	zeTC
331	2149	NMN	Mendig	D	id + 2 tones	pt53
333,5	2324	VOG	Voghera	I	id	zeTC
334	1805	HDM	Coleman	D	id	pt53
335	2038	TWN	Twente	HOL	id	pt53
336	2214	RO	Roeros	S	id	zeTC
336,5	2122	NIK	Nicky	BEL	id + tone	pt53
337	2122	ZL	Maastricht	HOL	id	pt53
337	1833	OZ	Soederhamn/Skallen	S	id	aLEU
339	2335	HAM	Hamburg	D	id	ti25
341	0051	NKS	Karlstad	S	id	zeTC
341	2120	LAU	Lichtenau	D	id	pt53
342	1834	OA	Algiers/Houari	ALG	id	aLEU
343	2329	TGJ	Tirgu Jiu	ROU	id	zeTC
344	1836	KEK	Hekka	S	id	aLEU
345	1840	BN	Birkealand	NOR	id	aLEU
345	1836	CF	Podhorany	CZE	id	aLEU
346	0136	WLU	Luxembourg	LUX	id	pt53
348	0038	WA	Stockholm-Arlanda	S	id	zeTC
348	0048	ZK	Zadar-Zumenik	HRV	id	zeTC
348,5	0137	LG	Liege-Bierset	BEL	id	pt53
348a	1838	ILA	unid	?	id	aLEU
349	0127	SZA	Solenzara/Corse	F	id + tone	pt53
351	2223	NS	Malmoe-Sturup	S	id	zeTC
351	1845	OV	Visby	S	id	pt53+aLEU
351	2121	GRK	Trondheim/Graskallen	NOR	id	aLEU
351	2122	SCV	Suceava	ROU	id	aLEU
353	0055	P	Poznan-Lawica	POL	id	zeTC
354	2116	MTZ	Metz	F	id + tone	pt53
359,5	2125	CDN	Chateaudun	F	id+dash	aLEU
361	2314	W	Warszawa-Krasnowola	POL	id	zeTC
361	2126	LIE	Lieto	FNL	id	aLEU
362	0102	NN	Eskilstuna	S	id	zeTC
365	2338	GLX	Glueckstadt	D	id	ti25
365	2131	WS	Soederhamn	S	id	aLEU
365	2320	LJ	Koeln-Overath	D	id	ti47
366	2132	KM	Kalmar	S	id	aLEU
368,5	1852	ELU	Luxembourg	LUX	id	pt53
368a	1211	MU	unid	?	id	aLEU
369	2233	KA	Karup	DNK	id	zeTC
369	2322	PS	Rotterdam-Geerliet	HOL	id	zeTC
370	2012	PSA	Spessart	D	id	pt53
373	2331	NW	Maastricht	HOL	id	pt53+zeTC
374	2333	KFT	Klagenfurt	AUT	id	zeTC
375,5	2146	ANC	Ancona-Falconera	I	id	aLEU
375a	2342	MGV	Unid	?	id 6x = 1 min	zeTC
377	1749	MGB	Moenchengladbach	D	id + 2 tones	ti47+pt53
379	2149	REK	Reksten	NOR	id	aLEU
380	0326	KA	Tirana/Rinas	ALB	id	aLEU
381	2151	AB	Akraberg	FAR	id	aLEU
382	2155	VLM	Vlasim	CZE	id	aLEU
382	1314	FW	Frankfurt	D	id	aLEU
382	1315	SBG	Salzburg	AUT	id	aLEU

## EUNL1999

383	2154	SHD	Scotstownhead	G	id		a1EU
383,5	0105	KDN	Tunis-Kheredine	TUN	id		zeTC
383,5	0901	GUL	Gulpen	HOL	id		pt53
384	2156	HNS	Hoeynes	NOR	id		a1EU
385	0113	K	Kosice-Haniska	SVK	id		zeTC
385	2158	AVN	Vilnius	LTU	id		a1EU
386,5	1805	SLV	Spa/La Sauveniere	BEL	id		pt53
387	2200	SOK	unid (Oslo/Sokna, ed)	NOR	id		a1EU
388	2201	COR	Corner	S	id		a1EU
389	2202	RK	Turku	FNL	id		a1EU
389	0320	MR	Skien/Myra	NOR	id		a1EU
390	0119	ITR	Istres-Le Tube	F	id+dash		zeTC
390	2205	AVI	Aviano	I	id		a1EU
392	2216	GDY	Mariehamn/Godby	FNL	id		a1EU
393	1852	DEN	Dendermonde	BEL	id + tone		pt53
393	0319	DVA	Deva/Saulesti	ROU	id		zeTC+a1EU
393	0318	TAT	Tautra	NOR	id		a1EU
394	0117	JOK	Kauhajoki	FIN	id		zeTC
396	0316	YG	Rygge/Enge	NOR	id		a1EU
398	2224	D	unid	?	id		a1EU
398	0314	PEO	Peola	S	id		a1EU
400	2226	FC	Svir	BLR	id		a1EU
400,5	0312	COD	Codogna	I	id		a1EU
401	2228	BON	unid	?	id		a1EU
404	2230	LW	Luxembourg	LUX	id		a1EU
404	2232	NL	Nolsoe	NOR	id	(ITU = FAR, ed)	a1EU
404	0308	DA	Dalen/Torp	NOR	id		a1EU
406	2233	GRO	Grosseto	I	id		a1EU
406,5	2323	BOT	Bottrop	D	id		ti47
409	2237	CZE	Czempin	POL	id		a1EU
409	0301	DAR	Darlowo	POL	id		a1EU
410a	1305	MIC	unid	?	id		a1EU
412	0259	PP	Pesc	HNG	id		a1EU
413,5	0256	GLT	Galati	ROU	id		a1EU
414a	0257	BM	unid	?	id		a1EU
415	2242	OL	Linkoeping/Saab	S	id		a1EU
416	2243	POZ	Pozarevac/Belgrade	YUG	id		a1EU
417	2244	AH	Aengelsholm	S	id		a1EU
418	2324	LI	unid	?	id		ti47
418a	2244	LQA	Unid	?	id	8x = 1min	zeTC
419	2245	WUN	Wunstorf	D	id		a1EU
419	0352	RD	Vaesteraas/Hassloe	S	id		a1EU
420	2246	INN	Innsbruck	AUT	id		a1EU
420	0249	LGS	Conoco Loggs PA	IWA	id		a1EU
420	2248	SS	Malmoe-Sturup	S	id		a1EU
421	2248	MF	Halmstad	S	id		a1EU
426	0244	HWQ	Platform Hewett A	IWA	id		a1EU
427	2325	WYP	unid	?	id		ti47
427	2258	D	Ivano-Frankovsk	UKR	id		a1EU
429	2256	LOS	Losinj	HRV	id		a1EU
429	1256	GBL	USAF Giebelstadt	D	id		a1EU
431	2259	SAY	Stornoway	G	id		a1EU
433	0240	CRE	Cres	HRV	id (+tone?)		a1EU
434	2112	THN	Thorn	HOL	id		pt53
435	2301	SM	Semyenovka	UKR	id		a1EU
436	2300	BR	unid	?	id		a1EU
436	2300	GHT	unid	?	id		a1EU
438	0235	PE	Poprad/Tatry East	SLO	id		a1EU
440	2304	PIA	Piacenza/St,Damiano	I	id		a1EU
441	2306	DRE	Drezdenko	POL	id		a1EU
445	2307	TU	unid	?	id		a1EU
450	0225	PDV	Plovdiv	BUL	id		a1EU
452	2308	ANS	Army Ansbach Heliport	D	id		a1EU
453	0224	CN	Piestany	CZE	id		a1EU
471	2310	UZ	unid	?	id		a1EU
475	2313	RP	Senica	SVK	id		a1EU
480	2312	VIB	Viterbo	I	id		a1EU
485	2315	IA	unid	?	id		a1EU



## EUNL1999

488	0217	ILM	US Army Illesheim	D	id	aLEU
490	2316	KO	Koshan	UKR	id	aLEU
490	2316	WAK	Vakarel	BUL	id	aLEU
492	2318	TBV	Moravska Trebova	CZE	id	aLEU
495	2319	PA	unid	?	id	aLEU
508	0242	Z	Hlink/Zilina	SLO	id	aLEU
513	0111	CLJ	Cluj/Napoca	ROU	id	aLEU
517	0113	ARD	Arad	ROU	id	aLEU
517	0114	JBR	Jaszbereny	HNG	id	aLEU
525	0245	HG	wroclaw-Strachowice	POL	id	aLEU
688	2030	IP	Zakharovka	RUS	id	dmRU
696	2032	BT	Alatyr	RUS	id	dmRU
700	2035	AD	Sheremetyevo	RUS	id	dmRU
705	2032	KI	UNID	?	id (4x2=1 min)	dmRU
705a	2036	PX	UNID	?	id (4x2=1 min)	dmRU
760	2051	R	UNID	?	id (4x2=1 min)	dmRU

## F I X E D

2700	1802	FDE14	AF Contrexeville	F	cw id vvv	ti47
2721	2301	FDE14	AF Contrexeville	F	cw id vvv	ti47
3158,5	1728	FDE14	AF Contrexeville	F	cw id vvv	ti47
3195	1727		Ny Ustinov	RUS	cw channelmarker R(r)	ti47
3314	1752	HEP3	INTERPOL Zurich	SUI	cw id vvv	ti47
3637	1900	YMB20	Bandirma Meteo	TUR	cw-cq nw wx in TT+EE	peNL
3768,5	1923	FDC	AF Metz	F	cw-vvv	peNL
4015	1943	FDE14	Contrexville	F	cw-vvv	peNL
4317	1827	FDE14	Contrexville	F	cw-vvv	peNL
4325,5	1653	R	Ny Ustinov	RUS	cw	hb01
4331	1651	4XZ	Ny Haifa	ISR	cw	hb01
4461	1641		Counting station	?	usb	hb01
4543	2238		Numbers B06 (BND)	D	USB msg 5ng	ti47
4930,5	0538	SPW	warszawa R.	POL	cw-de, qsx 6303	dmRU
5154	1910	S	Ny Archangelsk	RUS	cw	hb01
5154	1909	C	Ny Moscow	RUS	cw	hb01
5154	1909	P	Ny Kaliningrad	RUS	cw	hb01
5260	1736		Numbers RM02 (unid)	RUS	AM	ti47
5342	1735	FDY	AF Orleans	F	cw id vvv	ti47
5860	1725		unid	?	cw 5mg, groups twice	ti47
6382	0513	TBA6	Ny Ankara	TUR	cw-vvv, clg tbdj	dmRU
6768	1921	FDG	AF Bordeaux	F	cw-vvv	peNL
6769	1408	SNN299	MFA Warszawa	POL	cw id in F1A-mode	ti47
6840	1611		Numbers X48 (MOSSAD)	ISR	AM msg 5lg	ti25
6840,2	1924	NYZ	Unid	?	cw calling Q2M	peNL
6844,5	1621	FDC	AF Metz	F	cw id vvv	ti47
6891	1904		Numbers E19 (CIA)	USA	USB 814, count 88	ti47
6953	1347	FDY	AF Orleans	F	cw id vvv	ti47
6984	1224	SNN299	MFA Warszawa	POL	cw id in F1A-mode	ti47
7335,5	1351	FDC	AF Metz	F	cw id vvv	ti47
7472,5	1054	FDC	AF Metz	F	cw id vvv	ti47
7585	1721		Numbers E25 (CIA)	USA	AM 5ng =9219.0	ti47
7834,5	1356	FDC	AF Metz	F	cw id vvv	ti47
7916,5	1308	FDE14	AF Contrexeville	F	cw id vvv	ti47
8094,5	1616	FDC	AF Metz	F	cw id vvv	ti47
8127	1418		Numbers X61 (MOSSAD)	ISR	AM clg MIW2(r)	ti47
8495	1617	C	Ny Moscow	RUS	cw	hb01
9186	1148	HEP9	INTERPOL Zurich	SUI	cw id vvv	ti47
9219	1709		Numbers E40 (CIA)	USA	AM 064(r),(r)count 109(r)	ti47
10248	1856	8BY	unid	F	cw id vvv	ti47
10314	1515	SNN299	MFA Warszawa	POL	cw id in F1A-Mode	ti24
10407	1338	LN2A	NTA Sveio	NOR	cw id+synch+phasing	ti47
10597	1505		Numbers E48 (CIA)	USA	AM 169, count 162	ti47
10648	1820		Numbers X71 (MOSSAD)	ISR	AM msg 5lg	ti47
10872	1515	RMP	RUSNy Kaliningrad	KAL	cw channelmarker P(r)	ti47
10872	1516		Ny Arkhangelsk	RUS	cw channelmarker S(r)	ti47
10872	1517	RCV	Ny Moskva	RUS	cw channelmarker C(r)	ti47
11471	1333	SNN299	MFA Warszawa	POL	cw id in F1A-mode	ti47
11545	1707		Numbers LP11 (MI6)	CYP	USB msg for 19870	ti47

EUNL1999

12747	1248		Numbers X76 (MOSSAD)	ISR AM clg CIO2(r)	ti47
13375	1531		Numbers LP14 (MI6)	CYP USB msg 5ng	ti47
13467	1339	SNN299	MFA Warszawa	POL cw id in F1A-mode	ti47
14739	1349		Numbers E64 (CIA)	USA AM msg 5ng	ti47
14931	1350	8BY	unid	F cw id vvv	ti47
18415	1357	8BY	unid	F cw id vvv =14931!!	ti47
20350	1002		Numbers B52 (BND)	D USB VICTOR LIMA, 522-41	ti25

M A R I T I M E

514,5	2326	IPB	Bari R.	I cw nav-wngs	ti47
1930	2307	LFI	Rogaland R.	NOR cw sitor-id	ti47
2643	0020	A9M	Bahrain R.	BHR cw sitor-id	ti47
2657	2036		Radionaval Sagres	POR P/E wx	hb31
2680	1952	IDC	Cagliari R.	I usb	hbo1
2829,5	1931	SPB28	Szczecin R.	POL cw/SITOR	hb01
3245	2040	UCE	Arkhangelsk R.	RUS SITOR/A cw/tlx mkr	pcG
3615,7	1713	GKY1	Portishead R.	G cw/SITOR	hb01
4154,3	1926	DRAS	FGS Rheinlad-Pfalz	IW USB wkg DHJ59, msgs, qsl	ti25
4211,5	2230	USU	Mauripol R.	UKR SITOR/A cw/tlx mkr	pcG
4214	1820	ZSC61	Capetown R.	AFS SITOR/A weak tlx/cw mkr	pcG
4215,5	1752	HEC24	Bern R.	SUI cw	hb01
4216,5	1751	IAR	Rom R.	I cw/SITOR	hb01
4218	1749	OST28	Ostende R.	BEL cw/SITOR	hb01
4235	2235	HLP	Seoul R.	KOR cw-cq mkr	pcG
4235	2235	HLP	Pusan R.	KOR cw cq tfc	hb31
4238	2330	VTP4	Ny Vishakhapatnam	IND cw-v mkr	pcG
4241	1743	LGW	Rogaland R.	NOR cw	hb01
4250	2314	PCH20	Scheveningen R.	HOL cw-crossband 3,5mhz ham qso's farewell party!	hb01+pcG
4253	1726	TAH	Istanbul R.	TUR cw	hb01
4259	1725	SAB	Goeteborg R.	S cw/SITOR	hb01
4262	1722	LFI	Rogaland R.	NOR cw/SITOR	hb01
4265	1719	USU	Mariupol R.	UKR cw	hb01
4266	1700	RUF9	Sevastopol R.	UKR cw-cq call + off	pcG
4268	2113	VTG4	Ny Mumbai	IND cw-v mkr	pcG
4274	2243	GKB	Portishead R.	G cw id de GKB QSX 2 3	hb01+ti47
4275	0904	HPP	Panama R.	PNR cw-cq mkr	pcG
4283	2131	XSV	Tianjin R.	CHN cw-cq mkr	pcG
4303	1700	OXZ2	Lyngby R.	DNK cw	hb01
4313	2120	9VG33	Singapore R.	SNG cw-weak cq mkr	pcG
4320	1658	IAR4	Rom R.	I cw	hb01
4328	2122	JOS	Nagasaki R.	J cw-weak cq mkr	pcG
4338	2130	XSW	Kao-hsiung R.	TWN cw-weak cq mkr	pcG
4340	2126	XSQ	Guangzhou R.	CHN cw-cq mkr	pcG
4343	2129	RLK7	Archangelsk R.?	RUS clg 4LY, list of qsx	dmRU

(Programming error or the new callsign? Last year, on 4 April, I have heard Archangelsk on 4343 as RKLK, but with the same pattern and the same qsx, namely 2540/4183.5/6278.5/8367.5)

4350	1649	TBB5	Ny Ankara	TUR cw	hb01
4424,7	1644	A7D	Doha R.	QAT cw	hb01
6316	2133	LSD836	B.Aires R.	ARG SITOR/A tlx/cw mkr	pcG
6316	2120	UFN	Novorossiysk R.	RUS SITOR/A cw/tlx mkr	pcG
6320,5	2136	9VG76	Singapore R.	SNG SITOR/A tlx/cw mkr	pcG
6322	2140	ZSC	Capetown R.	AFS SITOR/A tlx/cw mkr - qrm	pcG
6322	1849	OST37	Ostende R.	BEL cw/SITOR	dmRU+hb01
6322,5	2142	VRX	Hong Kong R.	HKG SITOR/A tlx/cw mkr	pcG
6326,5	1842	SAB326	Goeteborg R.	S cw/SITOR	hb01
6327,5	1840	UAT	Moscow R.	RUS cw/SITOR	hb01
6330,5	2149	8PO	Barbados - Globe	BRB SITOR/A tlx/cw mkr	pcG
6345,5	1800	UVM	Unid	RUS?cw-cq clg UTRL,UMPX,UZGT	peNL
6357	2200	SAA	Karlskrona R.	S cw-cq mkr + all info	hb01+pcG
6369	1544	UFJ	Rostov R.	RUS cw-cq + qtc list	pcG
6379	1830	4XZ	Ny Haifa	ISR cw	hb01
6400	1503	UON	Baku R.	AZE 4KK QSS 6400 TFC LIST	hb31+peNL
6405	1532	UIS	Unid	RUS?cw-vvv QSW 6405/12990 TFC LIST	peNL
MSG FOR	P3JG7 1	QTC	FOR UDUO 3 FM KEROX NR 38	CK22 24 1700 NIL de UIS SK	peNL
6430a	1808	URA2	Unid(no positive id)	RUS?cw clg 9HAX5 QRU?	peNL

## EUNL1999

6432	1503	USI	Kherson R.	UKR cw-vvv ..de USI QRU? de USI	
6467	1751	LFI	Rogaland R.	USI QSX 4182,6/6277,7/8366,6 PSE K	peNL
6815	0807		Compamare Gaeta	NOR cw/SITOR	hb01
6815	0751	IHUG	M/V CP 252	I r/c w/ICI	hb31
				IW wkg ICI01	hb31
				(vessel belongs to Guardia Costiera Genova)	
8363,4	1935	UHZR	m/v Zvezdy Bereg	IW cw-clg UIW	pcG
8417	1810	GKE4	Portishead R.	G cw/SITOR	hb01
8419,5	2054	NOJ	Kodiak USCG	ALS SITOR/A tlx/cw mkr/qrm PPR	pcG
8422	2104	ESA	Tallinn R.	EST SITOR/A cw/tlx mkr	pcG
8422,5	1807	USU	Mariupol R.	UKR cw/SITOR	hb01
8424	1800	SVT	Athinai R.	GRC cw	hb01
8427,5	1755	A9M	Bahrain R.	BHR cw/SITOR	hb01
8429	1754	EAD	Madrid R.	E cw/SITOR	hb01
8429,5	1604	NMO	Honolulu USCG	HWA SITOR/A tlx/cw mkr	pcG
8432,5	1752	UFN	Novorossiysk R.	RUS cw/SITOR	hb01
8437	1750	4XZ	Ny Haifa	ISR cw	hb01
8444,5	1520	KFS	Palo Alto R.	USA cw-cq de KFS QSX ...	ti47
8445	1457	A4M	Muscat R.	OMA cw-de	peNL
8448	1747	A9M	Bahrain R.	BHR cw	ti47+hb01
8450	1018	RUF	Sevastopol R.	UKR cw-`qrz de RUF`	pcG
8451	1634	UBF2	St.Petersburg R.	RUS cw-`4lt3 de ubf2` mkr	pcG
8452	2030	VIT	Townsville R.	AUS cw-cq mkr `VIT/VIM`	pcG
8455	1705	UVA	Gelendzhic R.	RUS cw-cq NW QTC NIL QSX 4/8/12	peNL
8457	0540	OFJ	Helsinki R.	FIN cw-ofj	dmRU
8469	2331	D4A	Mindelo R.	CPV cw-cq + qtc list	ti47+pcG
8471	2146	ZRQ	Ny Capetown	AFS cw-vvv ZRQ 2 4 5	ti47
8473,5	1631	A7D	Doha R.	QAT cw	ti47+hb01
8474	1628	JYO	Aqaba R.	JOR cw	hb01
8484	1625	HLF	Seoul R.	KOR cw	hb01
8496	2339	CLA	Habana R.	CUB cw-cq de CLA CLA CLA	ti47
8497	1615	HLF	Seoul R.	KOR cw/SITOR	hb01
8502	1557	XSG	Shanghai R.	CHN cw-cq de XSG QSX ...	ti47
8505	1628	UCW4	St.Petersburg R.	RUS cw-wkg UANP	pcG
8506	2300	XSX	Chi-lung R.	TWN cw-cq + qtc list	pcG
8506	2339	XSX	Keelung R.	TWN cw-cq de XSX XSX XSX	ti47
8511	2254	XSW2	T'ai Chung R.	TWN cw-cq qsx 500khz/8mhz	ti47+pcG
8514	1525	XSQ	Guangzhou R.	CHN cw-cq de XSQ PSE UP 361 k	ti47
8522	2359	CBV	Playa Ancha Zonal R.	CHL cw-cq de CBV CBV CBV	ti47
8535	1727	UFZ	Vladivostok R.	RUS cw-fast cq call `UFZ/UFL`	pcG
8539	1528	VRX	Hongkong R.	CHN cw-cq de VRX QSX ...	ti47
8542	1624	PKX	Jakarta R.	INS cw-strong cq mkr	pcG
8544	1430	OLP44	Prague R.	TCH cw/SITOR/B/FACTOR1 v + qtc in cw/sitor/b + pactor msg	pcG
8571	1140	JNA	Tokyo Coastguard	J cw-cq de JNA JNA JNA	pcG+ti47
8573	2151	CLA	Habana R.	CUB cw-cq de CLA QSX ...	ti47
8574	0620	LGB	Rogaland R.	NOR cw-cq, still on 500 khz?	dmRU
8577	2020	HLO	Seoul R.	KOR cw-cq	dmRU
8582	2249	XSN	Ningbo R.	CHN cw-cq mkr	ti47+pcG
8585	1800	UFL	Vladivostok R.	RUS cw-`cq de ufl wx qso 8585/8404` kgc wx`	pcG
8589	2320	HPP	Panama Intelmar R.	PNR cw-vvv cq de	ti47
8590	2100	XVS8	Ho Chi Minh R.	VTN cw-cq call - weak/qrm	pcG
8600	2154	XSV	Tianjing R.	CHN cw-cq de XSV UP 363 K	ti47
8601,3	1742	ZLO4	Ny Irirangi	NZL cw id vvv	ti47
8604,5	2330	DZJ	Bulacan-Manila R.	PHL cw-weak cq mkr	pcG
8607	0914	VIM	Melbourne R.	AUS cw-`cq de vim/vis` + nav msg	pcG
8614	2017	URL	Sevastopol R.	UKR cw-de, qsx 8358.5/12468.5	dmRU
8622	1141	PCH41	Scheveningen R.	HOL cw id de PCH41 8 K	ti47
8624	1547	XSQ	Guangzhou R.	CHN cw-cq de XSQ PSE UP 361 K	ti47
8632	2156	XSW	Kaihsiung R.	TWN cw-cq de XSW XSW K	ti47
8634	0511	PPR	Rio R.	B cw-vvv	ti47+dmRU
8634	2013	VTG	Ny Mumbai	IND cw-vvv	dmRU
8635	0623	UTQ	Kiev R.	UKR wkg ships	dmRU
8636	2120	HLW	Seoul R.	KOR cw-cq	dmRU
8662	2113	TAH	Istanbul R.	TUR cw-cq	dmRU
8665	1744	XSG	Shanghai R.	CHN cw-cq de XSG XSG XSG	dmRU+ti47
8674	1456	VWM	Chennai R.	IND cw-cq QRU QSX	peNL

## EUNL1999

8674,4	1550	VWM	Madras R.	IND cw-cq de VWM QSA? QSX K	ti47
8686	1620	HSA2	Bangkok R.	THA cw-weak cq mkr	pcG
8688,5	2209	ZSC	Capetown R.	AFS cw-cq de ZSC ZSC ZSC	ti47
8694	1249	HMC	unid	KRE cw cq	hb31
8694	1738	XSZ	Dalian R.	CHN cw-cqQRU? QSX 8 MHZ Bk	ti47+peNL
8698	0020	9MG2	Penang R.	MLA cw-cq de 9MG ...	ti47
8706	1603	JOS	Nagasaki R.	J cw-cq de JOS JOS JOS	ti47
12552	1350	ICGA	m/v Aquitania	IW cw-wkg GKB (msg to Antwerp)	pcG
12552	1400	TCJX	m/v Bursa	IW cw-clg TAH + up 430	pcG
12570	1700	NMC	S.Francisco USCG	USA SITOR/A weak tlx/cw mkr	pcG
12581	1220	LSD836	B.Aires R.	ARG SITOR/A tlx/cw mkr	pcG
12582	1649	VIP34	Perth-Globe R.	AUS SITOR/A tlx/cw mkr	pcG
12584	1703	VIP76	Perth-Globe R.	AUS SITOR/A tlx/cw mkr	pcG
12585	1300	NRV	Guam USCG	GUM SITOR/A tlx/cw mkr	pcG
12585,5	1304	VRX	Hong Kong R.	HKG SITOR/a tlx/cw mkr	pcG
12589	1645	NMO	Honolulu USCG	HWA SITOR/A weak tlx/cw mkr	pcG
12590,5	1635	UJE	Moscow R.	RUS SITOR/A tlx/cw mkr	pcG
12593	1632	ESA	Tallinn R.	EST SITOR/A cw/tlx mkr	pcG
12610	1722	VCT	Tors Cove R.	CAN cw sitor-id	ti47
12610,5	1702	RUF9	Sevastopol R.	UKR cw-cq mkr + off	pcG
12629	1635	KHF	Guam-Globe R.	GUM SITOR/A tlx/cw mkr	peNL+pcG
12673,5	1738	CLA33	Havana R.	CUB cw-cq mkr	pcG
12678	1111	LFJ	Rogaland R.	NOR cw sitor-id	ti24
12682,5	1240	PKF	Ujung-Pandang R.	INS cw-cq mkr	pcG
12695,5	1119	XSX	Keelung R.	TWN cw-cq	dmRU
12698	1748	ZSC9	Capetown R.	AFS cw-wx b/c msgs	pcG
12709	1246	A9M	Bahrain R.	BHR cw-cq de A9M HAPPY NEW YEART	ti47
12729	1100	UVA	Gelendzhik R.	RUS cw-cq + freq info	pcG
12738	0806	PPR	Rio de Janeiro R.	B cw-vvv de PPR PPR PPR ...	ti24
12748	1253	IRM	Roma Medico R.	I cw-vvv IRM IRM IRM	ti47
12774,5	1301	TCR	Tophane Culesi R.	TUR cw tfc-list	ti47
12801	0551	TAH	Istanbul R.	TUR cw-de	dmRU
12808,5	1303	VTG	Ny Bombay	IND cw id vvv ...	ti47
12843	1305	HLO	Seoul R.	KOR cw id cq de ....	ti47
12856	1310	XSG	Shanghai R.	CHN cw-cq de XSG XSG ...	ti47
12942	1445	RKLM	Arkhangelsk R.	RUS cw-wkg tfc	pcG
12969	0813	XSV	Tianjing R.	CHN cw-cq de XSV XSV XSV	ti24
12970	1119	SUH	Alexandria R.	EGY cw-cq de SUH SUH SUH	ti24
12970,5	1513	PKX	Jakarta R.	INS cw id cq de ...	ti47
12997,5	1408		Odessa R.?	UKR end tfc J8UX2 9HZU5 UREY =	peNL
12997,5	1501	UUI	Odessa R.	UKR cw-short cq + wkg tfc	pcG
13007	1435	OLP5	Prague R.	TCH cw/SITOR/B v + qtc	pcG
13012	1507	AQP	Ny Karachi	PAK cw id vvv de ...	ti24
13022	1126	SPB	Szczecin R.	POL cw sitor-id	ti24
13024,5	1127	ASK	Karachi R.	PAK cw-de ASK ASK ....	ti24
13055	1503	UTQ7	Kiyev R.	UKR cw-wkg ships - fast	pcG
13060	1548	UFJ	Rostov-on-Don R.	RUS cw msgs for UDPH UTNR	dmRU+peNL
13062	1129	CLA	Habana R.	CUB cw-cq de CLA CLA CLA	ti24
16809,5	1144	EAD	Madrid R.	E cw sitor-id	ti24
16821	1148	VRX	Hongkong R.	CHN cw sitor-id	ti24
16841,5	1149	8PO	Barbados R.	BRB cw sitor-id	ti24
16909,7	1531	USO	Izmail R.	UKR cw-cq mkr + qtc list	pcG
16923,8	1153	OFJ	Helsinki R.	FIN cw OFJ QSX 16 MHZ K	dmRU+ti24
16926	1152	LFJ	Rogaland R.	NOR cw sitor-id	ti24
16930	1102	UVA	Gelendzhik R.	RUS cw-cq call	pcG
16935	1053	A7D	Doha R.	QAT cw-de A7D de A7D de..	ti24
16949	1202	YLL	Liepaja R.	LVA cw-cq QSS 16949 Powestka	peNL
16977	1447	OLP6	Prague R.	TCH cw-v mkr + call - weak	pcG
16984	1058	PPR	Rio de Janeiro R.	B cw-cq de PPR PPR PPR	ti24
17011	1059	XSX	Keelung R.	TWN cw-cq de XSX XSX XSX	ti24
17016,8	1542	KPH	S.Francisco R.	USA cw-cq mkr - fluttery sigs	pcG
17079	0940	HLF	Seoul - Globe R.	KOR SITOR/A tlx/cw mkr	pcG
17091	1106	XSQ	Guangzhou R.	CHN cw-cq de XSQ QSX ...	ti24
17096	1202	VRX	Hongkong R.	CHN cw-cq de VRX VRX ...	ti24
17147	1602	URL	Sevastopol R.	UKR cw-cq + tfc + tfc list	ti24+pcG
17165,5	1206	CLA	Habana R.	CUB cw-cq de CLA ...	ti24
17170,5	1145	CNP	Casablanca R.	MRC cw-cq mkr	pcG
17172,4	1422	9MG	Penang R.	MLA cw-cq de 9MG 9MA ...	ti24

## EUNL1999

17184,8	0915	PKP	Dumai R.	INS	cw-weak cq mkr	pcG
17184,8	1240	PKE	Amboina R.	INS	cw-weak cq mkr	ti24+pcG
17239,7	1013	PKD	Ujung Pandang R.	INS	cw-cq mkr	pcG
17239,7	1402	PKX	Jakarta R.	INS	cw-cq de PKX ...	pcG+ti24
17248	1426	5BA	Cyprus R.	CYP	USB wkg voice-mirror	ti24
22379	1519	VIP	Perth-Globe R.	AUS	SITOR/A tlx/cw mkr	pcG
22381	0950	9VG84	Singapore R.	SNG	SITOR/A tlx/cw mkr	pcG
22395	1020	USU	Mariupol R.	UKR	SITOR/A wkg UULR	pcG
22401	1139	HEC	Bern R.	SUI	cw sitor-id	ti24
22407,5	1140	UAT	Moskva R.	RUS	cw sitor-id	ti24
22459	1131	XSX	Keelung R.	TWN	cw-cq de XSX XSX XSX	ti24
22575,5	0930	PKX	Jakarta R.	INS	cw-weak cq mkr	pcG
22592,5	1142	A9M	Bahrain R.	BHR	cw-cq de A9M	dmRU+ti24

## A E R O (Ground - stations)

4645	1625		Tallinn Volmet	EST	usb	hb01
5475	0025		Córdoba Volmet	ARG	S wx	hb31
5601	0005		Ezeiza Volmet	ARG	S wx	hb31
5601	0015		Ezeiza Volmet	ARG	S wx	hb31
(both wx reports identified as "Ezeiza", at 0015 strangely the signal was a lot stronger that day)						
6676	1646		Karachi Volmet	PAK	E wx	hb31
6691	1510	BT9P	RAF Cranwell	G	USB wkg unid a-c, arrival	ti24
6739	0823	ARCHITECT	RAF Upavon	G	USB wkg wx	ti24
6758	1609	MKL	RAF Pitreavie	G	cw wkg TAF-wx	ti25
10027	0842		CSA Praha	CZR	USB wx for Oslo to unid	ti25
11175	0833	AFA3	USAF Andrews, MD	USA	USB wkg REACH 315, posrep	ti24
11175	1127	AFI2	USAF McClellan, CA	USA	USB wkg unid, end of tfc!	ti24
11175	1503	AJE	USAF Croughton	G	USB wkg REACH-015	ti24
11175	1513	XPH5	USAF Thule	GRL	USB clg Coastguard-12	ti24
11180	1143		unid	?	USB wkg MAGIC-??, wx	ti24
11244	1130	AFG4	USAF Offut, NE	USA	USB wkg EAM-msg	ti24
11247	1146	ARCHITECT	RAF Upavon	G	USB wkg NATO41, wx	ti24
11253	1131	MVU	RAF Upavon Volmet	G	USB wx for Brize Norton	ti24
11297	0847		Moskva Volmet	RUS	USB wx for Arkhangelsk	ti25
11354	0848	SDJ	Stockholm R.	S	USB wkg unid, selcall ELHM	ti25

## A E R O (aircrafts)

6691	1518	RESC7125	RAF Flight	AIR	USB wkg BT9P, pp Croughton	ti24
11175	1505	REACH214	USAF flight	AIR	USB clg Thule for Posrep	ti24
11345	1018	457	VIKING Flight	AIR	USB clg Stockholm R.	ti47
14645	1018	457	VIKING-Flight	AIR	USB wkg Stockholm R.	ti47

## D I G I T A L

147,3	0900	DDH47	Meteo Quickborn	D	RTTY 50 nav-wngs	ti24
518	2248	OST	Oostende R.	BEL	SITOR-B nav-wng	ti47
518	2259	9AS	Split R.	HRV	Sitor-B nva-wngs	ti47
518	2335	SDJ	Stockholm R.	S	Sitor-B nav wngs (NAVTEX)	ti47
518	2349	PBK	Ijmuiden Coastguard	HOL	Sitor-B wkg Nav-wng	ti47
2203	1032	MGJ	RN Faslane	G	RTTY 75 CARB	ti47
2461,5	1734	0A	Army Dublin MRCC	IRL	Sitor-A ACTION-msg	ti47
2608	1036	FUO	Ny Toulon	F	RTTY 75 id, RY-SG	pcG+ti47
2643	2216	A9M	Hamala R.	BHR	SITOR/A tlx/cw mkr	pcG
2768	2259		unid	?	ARQ-E 48 idle, strong sig!	ti47
2768,2	1949		Unid Teleprint	?	RTTY	hbo1
2785,5	1945		Unid Teleprint	?	RTTY	hbo1
2789	0032	FUE	Ny Brest	F	RTTY 75 RY+SG	pcG+hb01+ti47
2806	0033	IGJ	Ny Augusta	I	RTTY 100 CARB	hb01+ti47
2815	0034	IDR	Ny Roma	I	RTTY 75 CARB	ti47
2815	1934	IGJ41	Ny Augusta	I	RTTY	hb01
2829,5	2255	SPB28	Szczecin R.	POL	SITOR-B wkg nav-telex	ti47
2840,7	2035		UNID GG c/g	D	SITOR/A GG wx msgs	pcG
3172,5	0037	IMB31	Meteo Roma	I	RTTY 50 AAXX-reports	hb01+ti47
3187,8	1926		Unid Teleprint	?	RTTY	hb01
3196	1725	OLB7	Meteo Praha	CZR	RTTY 50 AAXX-reports	ti47

## EUNL1999

3225	1921		Unid Teleprint	?	RTTY		hb01
3264,9	1917		Unid Teleprint	?	RTTY		hb01
3360	1909		Kiev Meteo	UKR	Fax		hb01
3390	0043	MGJ	RN Faslane	G	RTTY 75 CARB		ti47
3745	2047	HZN	Jeddah METEO	ARS	ITA2/100/400 cont wx msgs	pcG	
3782	2249	CTP	NATO Oeiras	POR	RTTY 75 NAWS de CTP QSX ..	ti47	
4211	0937	GKE2	Portishead R.	G	SITOR-B wx		ti47
4227	1745	IGJ42	Ny Augusta	I	RTTY		hb01
4245,9	1737		Unid Teleprint	?	RTTY		hb01
4280	1709	PBC34	Ny Goeree	HOL	RTTY		hb01
4288,5	1707		Unid Teleprint	?	RTTY		hb01
4295,5	1830	FUE	Ny Brest	F	RTTY 75/850	hb01+peNL	
4325	1655		Unid Teleprint	?	RTTY		hb01
4516	1639		Unid Teleprint	?	RTTY		hb01
4583	1633	DDK2	Hamburg Meteo	D	RTTY		hb01
4588,5	1632		Unid Teleprint	?	RTTY		hb01
4601,5	1630	OA	Army Dublin	IRL	SITOR		hb01
4610	1628	GFA22	Bracknell Meteo	G	Fax		hb01
4642,9	1626		Unid Teleprint	?	RTTY		hb01
4765	1744	RFFA	FF Paris	F	ARQ-M2 200 idle		ti47
4854	1740		UNHCR Geneva	SUI	SITOR-A svc-tfc, QRU, off!		ti47
4970,6	1617		Unid Teleprint	?	RTTY		hb01
4971	1402		unid	?	ARQ-E 48 idle		ti47
5215,6	1906		Unid Teleprint	?	RTTY		hb01
5400	1734	YOG37	Meteo Bucuresti	ROU	RTTY 50 AAXX-reports		ti47
5402,4	1733		unid	?	FEC-A 192 idle		ti47
5430	1706	RFFHCB	FF Bastia	F	ARQ-E 192 idle		ti47
5445	1727		unid	?	ARQ-E3 200 idle		ti47
5758,6	1854		Unid Teleprint	?	RTTY		hb01
6348	1021	FUE	Ny Brest	F	ITA2/150ry mkr-150 bd!	hb01+pcG	
6365,5	1832		Unid Teleprint	?	RTTY		hb01
6389	2106	CTP	NATO Oeiras	POR	RTTY 75 NAWS de CTP QSX...	ti47	
6434,4	1823		Unid Teleprint	?	RTTY		hb01
6454,5	1820		Unid Teleprint	?	RTTY		hb01
6458	1755		Unid Teleprint	?	RTTY		hb01
6462	1754		Unid Teleprint	?	RTTY		hb01
6984	1049	SNN299	MFA Warszawa	POL	ARQ-ARQ diplo-tfc		ti47
7319	1912	SUU3	Meteo Cairo	EGY	RTTY 100 AAXX-reports		ti47
7554,5	1742		Unid Teleprint	?	RTTY		hb01
7634	1719		unid	?	ARQ-E 72 idle		ti47
7642,7	1057	RFFA	FF Paris	F	ARQ-M2 200 msg to Sarajevo		ti47
7646	0933	DDH7	Hamburg Meteo	D	RTTY		hb01
7670	1413		unid	?	RTTY 50 5ng, no wx		ti47
7672	1305	FDG	FAF Bordeaux	F	RTTY 50 VOYEZ LE BRICK ...		ti47
7678,5	0919	HBD49	SUI Emb Budapest	HNG	SITOR		hb01
7716	1327	RFFHCA	FF Ajaccio	F	ARQE/192/170 idle EHQ cct	pcG	
7784	2227	NAA	USN Cutler, ME	USA	RTTY 75 plaintext-wx		ti47
7792	2226		unid, NATO?	?	RTTY 75 encr. tfc		ti47
7817	1024		unid	?	FEC-A 192 3 channel encr.		ti47
7831,6	2140	5ST	Tananarive AERO	MDG	ARQE3/48/400 `TNC ch test`	pcG	
7880	0912	DDK3	Hamburg Meteo	D	Fax		hb01
7883,5	0910		Unid Teleprint	?	RTTY		hb01
7946,5	0903	DHJ51	Grenel Meteo	D	RTTY		hb01
7975	1400	SPW	Warszawa R.	POL	SITOR-B PAP-nx in pp		ti47
7980	1030		unid	?	ARQ-E 184 idle		ti47
7980	0859	NSY	USNy Sigonella	I	RTTY		hb01
7990	0848		Unid Teleprint	?	RTTY		hb01
8020	1312	HMF85	KCNA Pyongyang	KRE	RTTY 50 ee-nx		ti47
8040	0841	GFA23	Bracknell Meteo	G	Fax		hb01
8050	2120	RFQP	FF Djibouti	DJI	ARQ-M2 200 idle		ti47
8108	2122	RFQP	FF Djibouti	DJI	ARQ-M2 200 idle		ti47
8108,2	1833	RFQP	FF Djibouti	DJI	Arq-M		hb01
8113	0838		Unid Teleprint	?	RTTY		hb01
8115	0835		Unid Teleprint	?	RTTY		hb01
8184,5	1830		Unid Teleprint	?	RTTY		hb01
8349	1510	9HYQ3	m/v Vitkovice	IW	PACTOR/1 rcvg msg from OLP	pcG	
8392	1823	UHXE	MV Tuapse	IW	Sitor-A eta-message		ti47
8397	1840	UCBM	MV Mekhanic Pustoanyj	IW	Sitor-A wkg Arkhangelsk		ti47

## EUNL1999

8397	1820		Unid Teleprint	? SITOR	hb01
8417	1238	GKE4	Portishead R.	G Sitor-A wkg MV Pacheco	ti47
8420	1230	HEC	Bern R.	SUI Sitor-B tfc-list	ti47
8422,5	2009	USU	Mariupol R.	UKR SITOR-A msg to UTXJ	ti47
8423	2102	SVT4	Athinai R.	GRC SITOR-B wkg px	ti47
8429	1901	EDL4	Madrid R.	E Sitor-B tfc-list	ti47
8431,5	1802	UAT	Moskva R.	RUS Sitor-B tfc-list	ti47
8432	1518	YLQ	Riga R.	LVA SITOR-B wkg MV Amata(VSEH)	ti47
8432,5	1544	UFN	Novorossiisk R.	RUS SITOR-A wkg UDEV	ti47
8434,5	1036	SAB437	Gotenborg R.	S Sitor-B tfc-list	ti47
8435,5	1004	OST	Oostende R.	BEL Sitor-A wkg unid vessel	ti47
8439	1249	PBC	Ny Noordwijk	HOL RTTY 75 wkg CARB	ti47
8453	1126	FUG	Ny La Regine	F RTTY 75 RY-SG, TESTINGhb01+	ti47
8465	1632		Unid Teleprint	? RTTY	hb01
8478,5	2050	FUF	FNy Fort de France	MRT RTTY 75 id, RY+SG, TESTING	ti47
8486	1624		Unid Teleprint	? RTTY	hb01
8488	1622		Unid Teleprint	? RTTY	hb01
8492,9	1621	GYA	DCN London	G RTTY	hb01
8541	1538	A9M	Bahrain R.	BHR Sitor-B id, end of tfc	ti47
8551,5	1904	CTP	NATO Oeiras	POR ITA2/75/850 `naws de ctp qsx 04 08 12 16mhz`	ti47+pcG
8557	1601	SPE	Szczecin R.	POL Sitor-B service infos	ti47
8568	1830	FUV	FNy Djibouti	DJI ITA2/75/850 ry/sg mkr	pcG
8595	0920	UFL	Vladivostok R.	RUS ITA2/50/170 msgs + 0930 cq	pcG
9041	2329	5YE	Meteo Nairobi	KEN RTTY 100 id RY	ti47
9066	1248		POL Emb Moskva	RUS POL-ARQ idle	ti47
9123	1713		unid	? ARQ-E 184 idle	ti47
9123,5	1839		UNID? FF	? ARQE/184,5/400 cont idle/off	pcG
9234	1707		POL Emb Tehran	IRN POL-ARQ diplo-tfc	ti47
9327	2243		unid	? Sitor-B scrambled text	ti47
9462,2	2346	ETD	Aero Addis Abeba	ETH RTTY 50 id RY	ti47
10172,5	1333	FDY	AF Orleans	F RTTY 50 VOYEZ LE BRICK...	ti47
10177,7	0940	RFFA	FF Paris	F ARQ-E3 192 5lg	ti47
10423	2103	YMA20	Ankara METEO	TUR ITA2/50/850 ry + wx msgs	pcG
10424	1702	YMA20	Meteo Ankara	TUR RTTY 50 TAF-wx	ti47
10484	1039	DOR	MFA Sofia	BUL RTTY 210 diplo-tfc	ti47
10536	1859	CFH	Ny Halifax	CAN RTTY 75 TAF-wx	ti47
10626	1513	RFFXL	FF Naqura	LBN ARQ-E 184 idle	ti47
10952	1341	HBD20	MFA Bern	SUI SITOR-A idle	ti47
10969	1254	HBD20	MFA Bern	SUI Sitor-A end of tfc	ti47
10991,7	1525	RFFVAY	FF Sarajevo	BIH ARQ-M2 200 msg 5lg	ti47
11039	1006	DDH9	Meteo Quickborn	D RTTY 50 id, RY	ti47
11080	1527	YKP28	SANA Damascus	SYR RTTY 50 AA-nx	ti47
11110,5	0948	RFLI	FF Fort de France	MRT ARQ-E3 192 idle	ti47
11149	1228	DFZG	MFA Beograd	YUG RTTY 75 end of tfc	ti47
11423,5	1343	SPW	Warszawa R.	POL SITOR-B idle	ti47
11430	1008	HMF55	KCNA Pyongyang	KRE RTTY 50 ee-nx	ti47
11453	0950	IMB33	Meteo Roma	I RTTY 50 AAXX-reports	ti47
11468	1258		unid	? RTTY 50 encr. tfc	ti47
11483	1010	P6Z	MFA Paris	F FEC-A 192 5lg	ti47
12140	1237	HWN	Ny Paris	F RTTY 150 TESTING, RY+SG	ti47
12566,5	0958		MV Kovalenko	IW RTTY 50 tlx to Arkhangelsk	ti47
12579,5	1525	YLQ	Riga R.	LVA Sitor-B wkg MV SABURGA	ti47
12587	1026	LZW	Varna R.	BUL Sitor-A wkg ROSEN MARINO	ti47
12590	1107	EDK3	Madrid R.	E SITOR-B tfc-list	ti47
12599,5	1529	UAT	Moskva R.	RUS SITOR-A wkg MEK ZHELTOVSKIY	ti47
12600,5	1109	HEC23	Bern R.	SUI SITOR-A wkg unid vessel	ti47
12608,5	1511	UAT	Moskva R.	RUS Sitor-B wkg Kapitan Lyubcheti	ti47
12613	1338	XSQ	Guangzhou R.	CHN Sitor-B wkg wx	ti47
12615	1028	USU	Mariupol R.	UKR SITOR-A wkg UWDL	ti47
12626,5	1233	UCE	Arkhangelsk R.	RUS Sitor-A wkg UCOK	ti47
12635,5	1236	LZW	Varna R.	BUL Sitor-B wx by Meteo Varna	ti47
12649,5	1311	XSG	Shanghai R.	CHN Sitor-A wkg unid vessel	ti47
12654	1031	TAH	Istanbul R.	TUR Sitor-A wkg unid vessel	ti47
12664,5	1515	FUM	FNy Papeete	OCE ITA2/75/850 ry mkr	pcG
12678	1243	LFI	Rogaland R.	NOR Sitor-A wkg unid vessel	ti47
12691,5	1744	FUX	FNy Le Port	REU ITA2/75/850 ry/sg mkr	pcG
12823,5	1350	CTP	NATO Oeiras	POR RTTY 75 NAWS de CTP QSX ..	ti47

EUNL1999

12824	1727	GYU	RN Gibraltar	GIB RTTY 75 CARB	ti47
12857	1734	6WW	FNy Dakar	SEN RTTY 75 VOYEZ LE BRICK...	ti47
13467	1052	SNN299	MFA Warszawa	POL POL-ARQ diplo-tfc: px	ti47
13510	1345	CFH	Ny Halifax	CAN RTTY 75 METAR-reports	ti47
13593,7	0958	RFFA	FF Paris	F ARQ-E3 192 idle	ti47
13872	1417		unid POL Diplo	? POL-ARQ idle	ti47
13933	1006	DOR	MFA Sofia	BUL RTTY 210 diplo-tfc	ti47
14585,7	1542	RFTPL	FF Ndjamena	TCD ARQ-E3 200 idle	ti47
14801,7	1547	RFVI	FF Le Port	REU ARQ-E3 100 idle	ti47
14927,7	1109	RFFA	FF Paris	F ARQ-E3 192 msg NON PROTEGE	ti47
15633	1011	HMF26	KCNA Pyongyang	KRE RTTY 50 ee-nx	ti47
15821,9	1024	SAM	MFA Stockholm	S SWED-ARQ 5lg	ti47
15961,7	1037	RFLI	FF Fort de France	MRT ARQ-E3 192 idle	ti47
16106,9	1039	SAM	MFA Stockholm	S SWED-ARQ 5lg	ti47
16302	1322	DFZG	MFA Beograd	YUG RTTY 75 encr. after YXYXY	ti47
16809,5	1500	EDJ6	Madrid R.	E SITOR-B tfc-list	ti47
16830	1119	UCE	Arkhangelsk R.	RUS SITOR-B wkg px-review	ti47
16839,5	1114	UFN	Novorossiisk R.	RUS Sitor-A wkg UFJR	ti47
16880	1342	XSQ	Guangzhou R.	CHN SITOR-B nav-wngs	ti47
16951,5	1446	6WW	FNy Dakar	SEN RTTY 75 OYEZ LE BRICK,RYSG	ti24
16961,5	1055	FUF	FNy Fort de France	MRT RTTY 75 wkg RY-SG TESTING	ti24
16986	1045	CTP	NATO Oeiras	POR RTTY 75 NAWS de CTP QSX ..	ti47
17180	1452	FUG	Ny La Regine	F RTTY 75 RY-SG, TESTING	ti24
17441,6	1135	5YE	Nairobi MET	KEN ITA2/100/850 cq + ry mkr	pcG
17463	1351		unid, poss RUS diplo	? RTTY 75 msg 5lg	ti47
19101,7	1026	RFLI	FF Fort de France	MRT ARQ-E3 192 idle	ti47

T I M E S I G N A L

4996 1615 RWM Moscow Ts RUS cw hb01

Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
CZE-Prague Radio	20	ppc(vs.OK1FCA ch. op)	8544	OLP44	750 w	pcG
E -NDB Jerez	45	f/d lt/ms	433	JRZ		lrG
E -NDB Asturias	19	lt/ms	387	AV	50w	lrG
E -NDB Madrid	41	lt/ms	421	GE		lrG
F -NDB Rennes	26	lt/ms	349	RS		lrG
F -NDB Beauvais	20	f/d lt/ms	391	BV	20 w	lrG
F -NDB Lorient	14	lt/ms	359	LOR		lrG
F -NDB Melun	42	f/d lt/ms	434	MV		lrG
F -NDB Poitiers	43	f/d lt/ms	363	PI	25 w	lrG
F -NDB Rochefort	20	p/d cd/ms	396	ROC		lrG
F -NDB Paris de Gaulle	20	f/d lt/ms	370	CGZ	20 w	lrG
F -NDB Briare	15	f/d lt/ms	405	BIC		lrG
F -NDB Metz	21	f/d lt/ms	482	LOU		lrG
G -MRSC Thames CG	15	f/d lt/SAE back	2182			lrG
G -NDB St. Catherines	12	ppc/SAE	293	CP		lrG
G -NDB North Foreland	12	ppc/SAE	311	NF		lrG
G -NDB Portland Bill	12	ppc/SAE	309,5	PB		lrG
G -NDB South Bishop	12	ppc/SAE	209,5	SB		lrG
G -NDB Lizard	12	ppc/SAE	284,5	LZ		lrG
G -NDB Round Island	12	ppc/SAE	298,5	RR		lrG
G -NDB Dungeness	12	ppc/SAE	300,5	DU		lrG
G -NDB Walney Island	12	ppc/SAE	306	FN		lrG
G -NDB Tatenhill	28	lt/SAE	327	TNL	100 w	lrG
LUX-NDB Luxembourg	13	ppc/irc	368,5	ELU	50 w	lrG
LUX-NDB Luxembourg	13	ppc/irc	346	WLU	50 w	lrG
LUX-NDB Luxembourg	13	ppc/irc	404	LW	50 w	lrG
NOR-NDB Dalen	9	ppc/irc	404	DA	100 w	lrG
NOR-NDB Torp/Dalen	11	lt,ppc	404	DA		hb31
PAK-Pakistan Naval R.	62	f/d cd	6390	AQP		dmRU
POL-NDB Rzeszow	24	f/d lt	474	RZE	100 w	lrG
TWN-Kaohsiung R.	38	f/d folder/i,vc	8632	XSW	5000 w	dmRU

Membership and Money corner:



EUNL1999

Fee received from zeTC, mny tnx!

Addresses/Infos/Veri-signers:

As advised in previous WIA news bulletins, all Morse Code Services from the Australian Coast Radio Network will cease on the first of February.  
31st Jan: Lyngby/OXZ will cease WT (cw) on HF (4303 8598 12916.5 17068.4)  
On Feb 28th: Canadian Coastguard stations are due to cease 500 khz cover.  
Further 500khz closeds: Oostende R./OST; Reykjavik R./TFA; Valentia R./EJK  
(all Info from gSLX via WUN-Listserver - tnx Georges!!!)

Schedule from HAPAG Lloyd, Hannover `Movement Control`: via mm35, tnx!  
1800Z-0600Z 5541 + 6643 0600Z-1800Z 13324 + 21973 0000Z-2400Z 8924  
0000Z-2400Z 10069 0000Z-2400Z 11345 17916 on request

\* New Adress for Göteborg R.:

TELIA MOBILE AB, Maritime Telecom Services, P.O. Box 9304, SE-400 97 Göteborg, Sweden (ti47)

Kaohsiung R./XSW: Maritime Radio Telegraph Coastal Station, 142 Jiin-Tien Road, Kaohsiung, Taiwan R.O.C. (dmRU)

PAK Ny Karachi/AQP: Director of signals, Naval Headquarters, Islamabad (dmRU)

NOR NDB Dalen/DA: Luftfartsverket, Kontrollflyseksjonen, Sandefjord Lufthavn, Torpveien, N-3233 Sandefjord (hb31). (V/s Gunn Era, Nav aids Inspector)(hb31)

G-NDB's CP/NF/PB/SB/LZ/RR/DU/FN: all via Trinity Lighthouse, v/s Karl Ree (lrG)

E-NDB Jerez/JRZ: Apartado de Correos 579, 11401 Jerez de la Frontera, Cadiz (lrG)  
(v/s= Alfredo Bustos Serantes, Director del Aeropuerto de Jerez)(lrG)

G-NDB Tatenhill/TNL: Tatenhill Airfield, Newborough Road, Needwood, Burton-On-Trent, Staffs, DE13 9PD (lrG)(v/s= M.R.Shelton, Airfield Operator)(lrG)

NOR-NDB Dalen/DA: Sandeford Lufthavn, N-3234 Torp (lrG)

POL-NDB Rzeszow/RZE: Przedsiębiorstwo Państwowe Porty Lotnicze, Port Lotniczy, Rzeszow 36-002, Jasionka (lrG)

F-NDB Rennes/RS: BP 9117, F- 35091 Rennes Cedex 9 (lrG)

F-NDB Lorient/LOR: Chef Section MMES, Base Aeronautique Navale de Lann-Bihoué, F- 56998 Lorient Naval (lrG)

F-NDB Melun/MV: Aerodrome Melun-Villaroche, F- 77550 Moissy-Cramayel (lrG)

F-NDB Poitiers/PI: Aeroport de Poitiers-Biard, F- 86580 Biard (lrG)

F-NDB Rochefort/ROC: Aeroport de Rochefort-St. Agnat, La Corderie Royale, B.P. 129, F- 17306 Rochefort-Cedex (lrG)

F-NDB Paris de Gaulle/CGZ: Service Technique de la Sécurité Aérienne Nord, Batiment Cana, Rue de L'échelle, B.P. 20102, F- 95711 Roissy CDG Cedex (lrG)

F-NDB Metz/LOU: District Aeronautique de Lorraine, Maintenance M.N.L., Aeroport Metz-Nancy, Lorraine BP 16 (lrG)

#### B O O K R E V I E W by Reinhard Klein-Arendt (rk50)

1. Bergmann, Klaus & Wolf Siebel: Sender & Frequenzen 1999, Meckenheim 1998  
This publication is written entirely in German, but wide parts of it may be used by non-German speakers too. It contains informations on Broadcasting stations on long-, medium- and shortwave worldwide (also on those in the Utility bands, e.g. feeders and other SSB transmissions) relevant to the European listener. It is made up of a short introduction into the field of Broadcasting DX, of a main list of stations by country order, of a collection of reference maps, and of a timetable for broadcasts in German, English, French, Spanish, Russian, Esperanto and Latin. A schedule for DX programs concludes this part of the book. This is followed by a list in frequency order, which contains all those stations mentioned in the book. The last part is filled with interesting articles by different well-known authors on topics like Clandestine transmissions, Free Radio, Utility, Digital Radio and Satellite. Finally the reader is supplied with infos on how to get a QSL, on SINPO code, ITU etc. The Handbook will be updated by three supplements during 1999 which will be mailed to the reader free of charge. Of special interest is the main part, which contains profiles of stations which can be heard in western Europe. These descriptions contain schedules, addresses, QSL informations and a short feature which indicates the best chances for reception even in respect to more `esoteric` broadcasters like Solomon Island BC or Radio Nacional Arcangel San Gabriel in the Antarctica. This Handbook is very accurate and informative and a fine and interesting complement to the WRTH. pp. 480, DM 45, Siebel-Verlag, Leserservice, Auf dem Steinbüchel 6, D-53340 Meckenheim, Germany

EUNL1999

2. Lichte, Rainer: Alles über die Sony-weltempfänger, Meckenheim 1998  
Since the beginning of the 70ies Sony developed and distributed a wide range of world receivers to program listeners and DXers. Some of these receivers can be regarded as technical milestones. Some of them, such as the ICF-2001 or the ICF-SW 7600, gained very wide distribution and high popularity. The author Rainer Lichte, who is a long-time employee of Sony Corporation (honni soit qui mal y pense!) and thus has a long-time professional experience with these radios reviews each Sony receiver from 1975 up to now in a special article. These articles (in German) are interesting stuff to read even for the non-technical user; they are illustrated by b/w-fotos and circuit diagrams of the receiver in question. A short article explains the technical principles of Sony antennas such as the Sony Active Antenna AN-1. Other articles are devoted to topics like DSP, Satellite broadcasting or AMDS and their influence on further technical developments on the receiver market. pp. 176, DM 27, Siebel-Verlag, Leserservice, Auf dem Steinbüchel 6, D-53340 Meckenheim, Germany

Inquiries Department:  
Urgently wanted: address of HLP Pusan Radio, letter to the address in Brannolte/Siebel was returned with remark "unknown"! (hb31) Anyone????

This great work was made by our (8) famous contributors: rk50, lrG, pcG, peNL (PvdE), ti24/25/47, dmRU, zeTC, mm35

gd dx + 73`s, until next month @

Andreas

EUROPEAN UTILITY NEWSLETTER 4-1999

\*\*\*\*\*  
\* Editor: Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY \*  
\* Tel.: (49) 02841 / 178529 \*\*\*\*\* e-mail: aibold@aol.com \*  
\* Home page: http://members.aol.com/aibold/EUNL.htm \*  
\* Treasurer: Norbert Reiner \*  
\* Membership fees to: Badische Beamtenbank Karlsruhe \*  
\* Konto Nr.: 2038005 BLZ: 66090800 \*  
\* Dispatcher: Norbert Reiner \*  
\* ----- \*  
\* Membership fees for the printed copies: payable to the treasurer \*  
\* Germany: 20 DM; Europe: 20 DM (13 \$); Overseas: 25 \$ or the equivalent in \*  
\* foreign currency - no cheques please!!) \*  
\* \*  
\* Deadline: 20th of the month!!! \*  
\*\*\*\*\*

Hi out there,

welcome to an early issue of EUNL. This time we have a very low input but some very interesting stations were logged in the maritime section. Hope to receive more stuff next time. Next deadline will be as usual the 20th of the month.

N D B

307	2351	DIK	Diekirch	LUX	id	pt53
331	2355	NMN	Mendig	D	id + 2 tones	pt53
335,5	0215	TWN	Twente	HOL	id	pt53
346	2208	WLU	Luxembourg	LUX	id	pt53
346,5	0031	BMN	Bremen	D	id	pt53
366,5	0230	BER	Bern-Belpe	SUI	id	pt53
368,5	2355	ELU	Luxembourg	LUX	id	pt53
374,5	0001	ANC	Ancona	I	id	pt53
377	2340	MGB	Moenchengladbach	D	id + 2 tones	pt53
386	0210	LK	Tallinn/Ulemiste	EST	id	pt53
386,5	2335	SLV	Spa/La Sauveniere	BEL	id	pt53

## EUNL1999

391	0138	CC	Chalon-Chamforgueil	F	id + Tone	pt53
392	0258	RW	Berlin-Tegeł	D	id	pt53
392	0139	GDY	Mariehamn-Godby	FIN	id	pt53
404	0124	LW	Luxembourg	LUX	id	pt53
404	0127	LA	Arlanda	S	id	pt53
404,5	0128	RR	Rotterdam	HOL	id	pt53

## F I X E D

5351	1047	FDG	AF Bordeaux	F	cw-vvv mkr	pcG
10401	1215	RJZ2	UNID	?	cw-RJZ2 de RJS2 QSA? K	dp47

## M A R I T I M E

2182	1733	OXZ	Lyngby R.	DNK	usb,E, QSY 1734,1704,1758,25	pt53
2182	2103		Cross Corsen	F	usb,F, QSY	pt53
2182	1732	FFM	Marseille R.	F	usb,F, QSY	pt53
2182	1732	GKZ	Humber R.	G	usb,E, QSY 1869	pt53
2182	1735	IQX	Trieste R.	I	usb,E/I, QSY 1865,2624,2656	pt53
2182	0035	EJM	Malin Head R.	IRL	usb,E, QSY 1677	pt53
2182	2133	SPH	Gdynia R.	POL	usb,E/POL, QSY 1692	pt53
2182	2136	SPN	Witowo R.	POL	usb,E clg. C6HH?	pt53
2182	2103	LFO	Orlandet R.	NOR	usb,E/Norw., QSY 1782	pt53
2182	2304	LGZ	Farsund R.	NOR	usb,E/norw., QSY 1785	pt53
2182	1628	3VT	Tabarka R.	TUN	usb,wx	lrG
2182	0437	ZBM	Bermuda Harbour R.	BER	usb,wx, qsy	lrG
2182	0447	VCG	Riviere-au-Renard CGR	CAN	usb,OM FF, QSY	lrG
2182	2334		Jeddah Aero!!!	ARS	usb,clg Addis + Cairo Aero!!!	lrG
2182	1613	CNP	Casablanca R.	MRC	usb,OM FF,wkg tfc	lrG
2182	1355		MV Normandy	IW	usb,wkg Landsend R.	lrG
2226	2111		Humber Coastguard	G	usb,E,wx	pt53
2667	1736	LGN	Bergen R.	NOR	usb,E/norw., nav. warning	pt53
2670	2305		USCG Portland Main Grp	USA	usb,OM wx	lrG
4125	1005		CROSS Corsen	F	usb,mv FF	lrG
4210,5	0001	IAR	Rome R.	I	cw-iar + SITOR	pt53
4210,5	0004	ESA	Tallinn R.	EST	cw-esa + SITOR	pt53
4210,5	0005	A9M	Bahrain R.	BHR	cw-a9m + SITOR	pt53
4211	0006	GKE2	Portishead R.	G	cw-gke 2 + SITOR	pt53
4211,5	0007	USU	Mariupul R.	UKR	cw-usu + SITOR	pt53
4211,5	0009	IAR	Rome R.	I	cw-iar + SITOR	pt53
4213	0011	WLO	Mobile R.	USA	cw-wlo + SITOR	pt53
4215	0013	IAR	Rom R.	I	cw-iar + SITOR	pt53
4215	0013	WLO	Mobile R.	USA	cw-wlo + SITOR	pt53
4215,5	0014	OXZ	Lyngby R.	DNK	cw-oxz + SITOR	pt53
4216	0015	TAH	Istanbul R.	TUR	cw-tah + SITOR	pt53
4216,5	0015	IAR	Rom R.	I	cw-iar + SITOR	pt53
4218	0029	OST28	Ostende R.	BEL	cw-ost + SITOR	pt53
4218,5	0030	LZW	Varna R.	BUL	cw-de lzw	pt53
4219	0031	TAH	Istanbul R.	TUR	cw-tah + SITOR	pt53
4219	0033	A9M	Bahrain R.	BHR	cw-de a9m + SITOR	pt53
4235	2237	HLP	Pusan R.	KOR	cw-cq	js38
4241,5	1814	LGW	Rogaland R.	NOR	cw-cq	pt53
4241,5	1815	4XZ	Ny Haifa	ISR	cw-vvv	pt53
4244	0044	PPR	Rio R.	B	cw-vvv	pt53
4245	1702	UFN	Novorossiysk R.	RUS	cw-cq + freq mkr	pcG
4253	0046	TAH	Istanbul R.	TUR	cw-cq de tah qsx	pt53
4259	1811	SAB	Göteborg R.	S	cw-sab + SITOR	pt53
4260	1810	TBA2	Ny Ankara	TUR	cw-vvv de tba 2/4	pt53
4262	1809	LFI	Rogaland R.	NOR	cw-lfi + SITOR	pt53
4275	1807	SAA	Karlskrona R.	S	cw-cq qsx	pt53
4294	1800	SXA34	Ny Spata Attikis	GRC	cw-vvv de sxa 34	pt53
5322,5	1915	FDI22	AF Narbonne	F	cw-vvv mkr	pcG
8419	1955	VIP	Perth R.	AUS	SITOR/A tlx/cw mkr	pcG
8421,5	1955	VRX	Hong Kong R.	CHN	SITOR/A tlx/cw mkr	pcG
8422	1922	ESA	Tallinn R.	EST	SITOR/A cw/tlx mkr	pcG
8422	1927	NRV	Guam USCG	GUM	SITOR/A tlx/cw mkr - weak	pcG
8430	1907	9VG39	Singapore R.	SNG	SITOR/A tlx/cw mkr	pcG
8432	1745	UJE	Moscow R.	RUS	SITOR/A cw-mkr??	pcG

## EUNL1999

8432,5	1735	UFN	Novorossiysk R.	RUS	SITOR/A wkg UBLY	pcG
8433	1731	XSG	Shanghai R.	CHN	SITOR/A tlx/cw mkr	pcG
8434	1901	TAH	Istanbul R.	TUR	SITOR/A tlx/cw mkr	pcG
8450	1448	SUZ	Serapeum R.	EGY	cw-cq call + nav msgs	pcG
8450	0530	RUF9	Krasnodar R.	RUS	cw-cq	js38
8451	0802	UBF2	St. Petersburg. R.	RUS	cw-de	js38
8459	2204	YQI4	Constanta R.	ROU	cw-cq mkr	pcG
8473,5	2210	A7D	Doha R.	QAT	cw-de mkr	pcG
8484	1727	HLF	Seoul R.	KOR	cw-cq	js38
8489	1503	AQP5	Ny Karachi	PAK	cw-vvv mkr	pcG
8496	2200	CLA20	Havana R.	CUB	cw-long cq mkr	pcG
8497	1400	HLF	GLOBE Seoul R.	KOR	SITOR+cw	js38
8505	0600	UCW4	St. Petersburg R.	RUS	cw-cq	js38
8508	1401	JFM	Muroto R.	J	cw-cq	js38
8508	1500	JFG	Shizuoka R.	J	cw-qtc	js38
8510	0930	UBB4	Kaliningrad R.	RUS	cw-fast cq mkr + tfc	pcG
8514	1701	VWB	Mumbai R.	IND	cw-msg	js38
8518	2004	DZX	Manila R.	PHL	cw-vvv/cq+wx messages	js38+pcG
8522	2305	CBV	Valparaiso R.	CHL	cw-vvv mkr	pcG
8526	1418	JMC	Tokyo R.	J	cw-cq	js38
8539	1530	VRX35	Hong Kong R.	CHN	cw-cq mkr	pcG
8544	1031	OLP44	Prague R.	CZE	cw-cq + RTTY	js38
8554	1700	3BM	Port Louis R.	MAU	cw-cq	js38
8557	1801	SPB	Szczecin R.	POL	SITOR/A cw/tlx mkr	pcG
8562	0611	UCT2	unid	RUS	cw-vvv, clg	js38
8570	1157	WNU	Slideell R.	USA	cw-cq	js38
8571	1705	UFN	Novorossiysk R.	RUS	cw-cq mkr	pcG
8577	2147	HLO	Seoul R.	KOR	cw-cq de hlo qsx	js38+pt53
8582	0802	XSN	Ningbo R.	CHN	cw-cq	js38
8585	1510	UFL	Vladivostok R.	RUS	cw-cq de UFL/UIK qss...call	pcG
8586	1102	USO5	Izmail R.	UKR	cw-tfc list	js38
8589	1040	HPP	Balboa R.	PNR	cw-cq	js38
8590	2007	XVS	Hanoi R.	VTN	cw-tfc list	js38
8594	1700	VTN	Ny Cochin	IND	cw-cq	js38
8605	0528	UIW	Kaliningrad R.	KAL	cw-cq	js38
8616	1200	JFC	Misaki R.	J	cw-tfc list	js38
8655	1230	UAI3	Nakhodka R.	RUS	cw-cq	js38
8658	1807	ASK	Karachi R.	PAK	cw-cq	js38
8663	1301	HMZ	Pyongyang R.	KRE	cw-tfc list	js38
8665	1830	XSG	Shanghai R.	CHN	cw-cq mkr	pcG
8667	1000	YPO	Giurgiu R.	ROU	cw-clg vs1	js38
8674,5	1325	VWM	Madras R.	IND	cw-cq	js38
8682	2030	J2A8	Jibouti R.	DJI	cw-cq mkr	pcG
8690	1200	JFX	Kagoshima R.	J	cw-tfc list	js38
8691	1343	XST	Quingdao R.	CHN	cw-cq	js38
8694	1154	HMC	Chungjin R.	KRE	cw-cq	hb31
8705,4	1340	PKC	Palembang R.	INS	cw-cq	js38
8806	0715	3AC	Monaco R.	MCO	usb,E,wx,tfc,ID	pt53
12662	1930	7TF8	Boufarik R.	ALG	cw-qtc list	pcG
12680,5	2005	8PO	Bardados R.	BRB	SITOR/A Globe wx f/cast	pcG
12695,5	1435	CNM	Casablanca R.	MRC	cw-cq mkr	pcG
12695,5	1438	KFS	S.Francisco R.	USA	cw-weak cq mkr - under CNP	pcG
12700	1545	XSQ	Shanghai R.	CHN	cw-cq mkr	pcG
12719,8	1345	ZLO	Auckland RNZN	NZL	cw-de mkr	pcG
12735	1547	URL	Sevastopol R.	UKR	cw-cq mkr	pcG
12736	2031	LSD836	B.Aires R.	ARG	SITOR/A Globe tlx/cw mkr	pcG
12756,5	2035	A9M	Hamala R.	YEM	SITOR/A Globe tlx/cw mkr	pcG
12781,5	2044	9MB5	Ny K.Lumpur	MLA	cw-vvv mkr	pcG
12804	1400	YQI5	Constanta R.	ROU	cw-cq mkr	pcG
12808,5	2054	VTG7	Ny Mumbai	IND	cw-vvv mkr	pcG
12815	1004	LYL	Klaipeda R.	LTU	cw-clg LYJT	pcG
12817,5	0946	RUA8	Petrozavodsk R.	RUS	cw-fast cq call	pcG
12891	1700	UFN	Novorossiysk R.	RUS	cw-cq + freq mkr	pcG
12952,5	1350	VIP	Perth R.	AUS	cw-msg re. closedown	pcG
13007	1036	OLP5	Prague R.	CZE	cw-cq + RTTY	js38
16807,5	0743	GKE6	Portishead R.	G	cw-gke 6 + SITOR	pt53
16808	0744	SPA85	Gdynia R.	POL	cw-spa only	pt53
16808,5	1704	KLB	Seattle Marine R.	USA	cw-klb + SITOR	pt53

## EUNL1999

16809	1705	WLO	Mobile R.	USA cw-wlo + SITOR	pt53
16809,5	0745	EAD	Madrid R.	E cw-ead + SITOR	pt53
16811,5	0803	A9M	Bahrain R.	BHR cw-a9m tlx + SITOR	pt53
16812	1707	WLO	Mobile R.	USA cw-wlo + SITOR	pt53
16812,5	0748	NRV	USCG Agana	GUM cw-nrv + SITOR	pt53
16813	0759	UAT	Moskau R.	RUS cw-de uat +SITOR	pt53
16814,5	0746	HEC17	Bern R.	SUI cw-hec + SITOR	pt53
16815,5	1710	OXZ	Lyngby R.	DNK cw-oxz + SITOR	pt53
16816,5	1713	NMC	USCG CAMSPAC	USA cw-nmc + SITOR	pt53
16817	1714	WCC	Chatham R.	USA cw-wcc + SITOR	pt53
16817,5	1723	KPH	San Francisco R.	USA cw-kph + SITOR	pt53
16818,5	0750	9VG96	Singapore R.	SNG cw-9vg + SITOR	pt53
16819,5	1716	NMN	USCG CAMSLANT	USA cw-nmn + SITOR	pt53
16820	0751	IAR	Rome R.	I cw-iar + SITOR	pt53
16821,5	0753	OXZ	Lyngby R.	DNK cw-oxz + SITOR	pt53
16825	1719	WCC	Chatham R.	USA cw-vct/wcc + SITOR	pt53
16826	0754	ESA	Tallinn R.	EST cw-de esa + SITOR	pt53
16828	1721	WLO	Mobile R.	USA cw-wlo + SITOR	pt53
16829	0801	UCE	Arkhangelsk R.	RUS cw-uce + SITOR	pt53
16829	0826	USU	Mariupul R.	UKR cw-usu + SITOR	pt53
16830	0758	HEC27	Bern R.	SUI cw-hec + SITOR	pt53
16830,5	0758	SVT	Athen R.	GRC cw-svt + tone	pt53
16831	0812	VRX84	Singapore R.	SNG cw-vrx + SITOR	pt53
16836,5	1724	WLO	Mobile R.	USA cw-wlo + SITOR	pt53
16839,5	0810	UFN	Novorossisk R.	RUS cw-ufn + SITOR	pt53
16841	0809	UFZ	Vladivostok R.	RUS cw-de ufz + SITOR	pt53
16841,5	1725	8PO	Barbados R.	BRB cw-8PO + SITOR	pt53
16851,5	1726	SAB	Göteborg R.	S cw-sab + SITOR	pt53
16880	0817	XSQ	Guangzhou R.	CHN cw-xsq + SITOR	pt53
16883	0818	OST60	Ostende R.	BEL cw-ost + SITOR	pt53
16886	0818	TAH	Istanbul R.	TUR cw-tah + SITOR	pt53
16892	0819	XSG	Shanghai R.	CHN cw-xsg + SITOR	pt53
16911,2	0822	JNA	CG Tokio	J cw-cq only	pt53
16926	0824	LFI	Rogaland R.	NOR cw-lfi + SITOR	pt53
16935	0825	A7D	Doha R.	QAT cw-de a7d	pt53
16942,5	0828	9AR	Rijeka R.	HRV cw-vvv de 9ar 3/7/9	pt53
16977	1041	OLP6	Prague R.	CZE cw-cq	js38
16980	1054	UGW	Novorossiysk R.	RUS cw-manual cq call + wkg tfc	pcG
17021,6	0848	TAH	Istanbul R.	TUR cw-cq de tah qsx	pcG+pt53
17091	1300	XSQ	Guangzhou R.	CHN cw-cq mkr	pcG
17103,2	1045	XSG	Shanghai R.	CHN cw-cq mkr	pcG
17130	1043	HLW	Seoul R.	KOR cw-cq mkr	pcG
17138	1007	LYL	Klaipeda R.	LTU cw-clg LYKA	pcG
17175,2	1031	A9M	Bahrain R.	BHR cw-cq mkr	pcG
17184,8	1900	KFS	S.Francisco R.	USA cw-cq with KFS/KPH	pcG
17239,7	1027	PKD	Surabaya R.	INS cw-cq mkr	pcG
17239,7	1217	PKX	Jakarta R.	INS cw-cq mkr	pcG
22575	0850	PKX	Jakarta R.	INS cw-cq mkr	pcG

## A E R O (Ground - stations)

5649	2307		Gander Aero	CAN usb,E,wkg Shanwick Aero	pt53
5649	2307		Shanwick Aero	IRL usb,E,wkg Gander Aero	pt53
5680	1307		Kuressaare Rescue	EST usb,E,r/ch w\Gotland Rescue	pt53
5680	1306		Riga Rescue	LVA usb,E,r/ch w\Gotland Rescue	pt53
5680	1306		Gotland Rescue	S usb,E,r/ch w\Riga Rescue	pt53
6676	2110		Bangkok Volmet	THA usb,E,ID,Volmet	pt53
8825	1750	CSY	Santa Maria Aero	AZR usb,E,wkg Air France 3440	pt53
8855	2258		Piarco Aero	TRD usb,E,wkg Al Italia 667	pt53
8861	0106		Abidjan Aero	CTI usb, wkg Air Guinea 506	lrg
8879	1755		Gander Aero	CAN usb,E,wkg Air France 322	pt53
8906	1751	CSY	Santa Maria Aero	AZR usb,E,wkg Air France 3450	pt53
10051	1752		Gander Aeradio	CAN usb,E,Volmet	pt53
11202	0727		UNID USCG	USA usb,E,wx	pt53
11300	1726		Tripoli Aero	LBY usb,E,wkg VEA 1202	pt53
11300	1732		Khartoum Aero	SDN usb,E,wkg Ethiopian 0751	pt53
13354	1743		New York Aero	USA usb,E,wkg Air France 422	pt53

EUNL1999  
A E R O (aircrafts)

8861	2358	MKA103	Unid	AIR clg windhoek Aero (no joy)	1rg
8888	0010	MKA103	Unid	AIR clg windhoek Aero (no joy)	1rg

D I G I T A L

518	2344	CROSS Toulon	F NAVTEX/100 AVURNAV	zeTC
3657	2314	RVZ73 Achangelsk Meteo	RUS FAX/50/576 Icechart	zeTC
4601,5	2023	0A Army Dublin	IRL Sitor-A/100 wkg 06	zeTC
5190	daily	RFF-- FF UNID	F ARQE3/96/400 cont idle..	pcG
5429	1300	RFF-- UNID FF?	F ARQE/72 UBF ex. BOOMRANG	991pcG
5740	1745	RFF-- UNID FF?	F ARQE/72 UFB ex. BOOMRANG	991pcG
5857,5	2232	HLL8 Seoul Meteo	KOR FAX/120/576 no report KMA	zeTC
6328,5	2111	CUL Lisboa R.	POR Sitor-A/100 wkg CUFE	zeTC
6340,5	2144	NMF USCG Boston	USA FAX/120/576 surface analys.	zeTC
6371	2320	GYU Ny Gibraltar	GIB rtty/75 CARB msgs	zeTC
6389	2230	CTP NATO Oeiras	POR rtty/75 NAWs de CTP	zeTC
7784	2217	NAR USNy Key West	USA rtty/75 meteo	zeTC
8419	2127	VIP33 Perth R.	AUS Sitor-A/100 Globe wireless	zeTC
8420,5	2030	HEC13 Bern R.	SUI Sitor-B/100 TFC-list	zeTC
8422	2144	NRV USCG Guam	GUM Sitor-A/100 AMVER msgs	zeTC
8500	2248	RBSL Ny Mumbai	IND rtty/50 VTH RBSL BNR	pcG+zeTC
8540	0904	USU Mauripol R.	UKR ITA2/50/170 ryry test call	pcG
9045	2000	5YE Nairobi Meteo	KEN FAX/120/576 upper air	zeTC
9110	2120	NMF USCG Boston	USA FAX/120/576 surface anal.	zeTC
9340	1938	RCH72 Tashkent Meteo	UZB FAX/60/576 surface analys.	zeTC
10117	2015	BAF4 Beijing Meteo	CHN FAX/120/576 VT 00 CHINA	zeTC
10536	2026	CFH CF Halifax	CAN FAX/120/576 temperature	zeTC
11476	0010	HMF52 KCNA Pyongyang	KRE FAX/60/325 J/CH nx txt	zeTC
12697	0900	USU Mauripol R.	UKR ITA2/50/170 ryry test call	pcG
12745,5	0746	JJC KYODO Tokyo-Nazaki	J FAX/60/576 J nx press	zeTC
12903	2104	RBSL Ny Mumbai	IND ITA2/50/850 ryry test mkr	pcG
13510	1203	CFH CF Halifax	CAN FAX/120/576 Icechart	zeTC
13855	1228	OXT Copenhagen Meteo	DNK FAX/120/576 Icechart	zeTC
13920	0748	AXM35 Melbourne Meteo	AUS FAX/120/576 MSL analysis	zeTC
14681	1145	V5G MFA Bucharest	ROU Rum-FEC/164.5 radiograms	pt53
14801,7	1944	RFVI FF Le Port	REU ARQE3/100/400 VII to Noumea	pcG
14959,7	1915	RFTJ FF C.Vert	SEN ARQE3?192/400 TJI to F.de F.	pcG
16839,5	1530	UFN Novorossiysk R.	RUS Sitor-A/100 wkg UFJB	zeTC
16841,5	1024	8PO Barbados R.	BRB Sitor-A/100 Globe wireless	zeTC
16927	0900	UIW Kaliningrad R.	RUS ITA2/50/170 wkg UAUK	pcG
16951,5	0855	6WW FNY Dakar	SEN ITA2/75/850 ry/sg mkr	pcG
17141,6	0906	USU Mauripol R.	UKR ITA2/50/170 ryry test call	pcG
18547,2	1255	UNID	? PACTOR? unid variant	pcG
18980,5	1700	UNID DCN	? PICC/6 2 ch both idle	pcG
22395	1007	USU Mariupol R.	UKR Sitor-A/100 wkg UVSE	zeTC

T I M E S I G N A L

what's the matter, freaks?

Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AFS-Southafrican Airways	10	ppc,vc/vc,IRC	????LDOC	Springbok	400 w	pt53
AUS-Brisbane Aero	22	lt,cd/IRC	8867		10kw	hb31
AZR-NDB Santa Maria	15	f/d lt,pers.lt,i	323	`SMA`		1rg
CAN-Placentia CG	12	ppc,lt,i,sti,badges	2182	VCP	500 w	dp47
CNR-Canarias Aero	17	lt/IRC SS rpt	8861			1rg
CZE-Prague Radio	20	ppc(vs.OK1FCA ch. op)	8544	OLP44	750 w	pcG
CZE-Praha R.	15	lt,ppc/USD	8544	OLP44		hb31
D -NDB Köln/Bonn	19	ppc/SASE		`LV`	100 w	pt53
D -NDB Magdeburg	9	ppc/ms	367	`MU`	10w	hb31
D -NDB Mendig	14	f/d ppc/SASE,vc		`NMN`	25 w	pt53
D -Offenbach Meteo	7	f/d lt	11039	DDH9		1rg
DNK-Copenhagen CG	31	QSL-cd,i via Lynby R.	2182			dp47

## EUNL1999

E	-Madrid R.	12	cd,info-book/vc	8429	EAD		zeTC
E	-NDB Reus	46	lt SS rprt	424	RES		lrG
EST	-Kuressaare Rescue	12	cd,lt/vc,IRC			600 w	pt53
ETH	-LDOC Addis	28	ppc,lt,2vc,sti/fo	11256	Holloway	1000 w	dp47
F	-FF Mont Valerien	62	ppc,Ham-QSL	6825	FAV22	1000 w	dp47
F	-NDB Dole/Tavaux	8	ppc/ms f/up	309	DO		hb31
F	-NDB Metz-Lorraine	9	ppc/vc,IRC (back)		LOU	50 w	pt53
F	-NDB Solenzara	122	lt/ms via Orleans	349,5	SZA		hb31
F	-NDB Tours	10	p/d lt FF rprt	331	TUR		lrG
F	-NDB Orleans	85	f/d lt FF rprt	385	OAN		lrG
F	-NDB Merville	88	f/d lt FF rprt	327	MVC		lrG
G	-Bracknell Meteo	94	comp. cd onyl	4610	GFA22		zeTC
G	-Holyhead Coastguard	10	lt/vc,IRC				pt53
G	-NDB Guernsey	23	ppc/SAE	304,5	GY		lrG
HOL	-Naval Air De Koy	69	ppc,Aero-chart,i/fo	2752,9	PFC		dp47
HOL	-Ny Den Helder	20	ppc,lt/fo	2844,7	PBB	1000 w	dp47
HOL	-Ny Goeree	17	ppc,QSL-cd/fo	4280	PBC	10000 w	dp47
I	-Compamare Bari	70	PPC/vc,USD(retour)		ICI 06		pt53
I	-Compamare Mazara del Vallo	19	ppb,vc/vc,IRC			150 w	pt53
I	-MRSC Cagliari	13	ppc/ms	6815	ICI13		hb31
I	-MRSC Fiumicino	63	ppc/fo	6815	ICI03	100 w	dp47
I	-Nucleo Aero Pescara	48	ppc/fo	6815	NA3	25 w	dp47
I	-Nucleo Aero Sarzana	117	ppc	6815	NA1	5-100 w	dp47
I	-Nucleo Aero Bari	212	ppc/IRC, fo	6815	NA2		dp47
INS	-Semarang R.	92	ppc	8461	PKR	1000 w	pcG
IW	-Claymore Alpha Plf	11	ppc/SASE	2182	GVAZ	400 w	gsLX
IW	-GNys Donau	40	ppc/ms, fo	6779	DRHO	1000 w	dp47
IW	-GNys Dranske	64	ppc/ms, fo	3116	DRUB	100 w	dp47
IW	-GNys Falke	251	ppc,sti/ms, fo	3116	DRBV	100 w	dp47
IW	-GNys Fulda	7	ppc/ms, fo	3116	DRFC		dp47
IW	-GNys Hyäne	930	ppc,big fo/ms, fo	3116	DRCN		dp47
IW	-GNys Planet	90	ppc,vc,badge/fo	3116	DRAY	400 w	dp47
IW	-GNys wilheim	59	ppc/ms, fo	3116	DRFD	100 w	dp47
IW	-GNys wustrow	82	ppc/ms, fo	3116	DRTY	150 w	dp47
IW	-HMS Manchester	10	ppc/ms	2182	GYHG		hb31
IW	-MT Clodia	41	ppc/IRC, fo	2182	ICOC	750 w	dp47
IW	-MT Espresso Catania	14	ppc,sti,vc/IRC(back)	2182	IBVM	400 w	dp47
IW	-MV Clare	26	ppc/SASE	2182	LAVI4	2 kw	gsLX
IW	-MV Diamant	25	ppc/ms	2182	LXHD		hb31
IW	-MV Far Sky	21	ppc/SASE	2182	MVJC4		gsLX
IW	-MV Grampian Frontier	122	ppc/SASE	2182	MWQB7	400 w	gsLX
IW	-MV Grampian Orcades	39	ppc/IRC, fo	2182	MPBF4	250 w	dp47
IW	-MV Grampian Prince	32	ppc/SASE	2182	MWDZ3	200 w	gsLX
IW	-MV Grampian Star	30	ppc/fo	2182	MKHG4		dp47
IW	-MV Hera	28	ppc/SASE	2182	LFLE3	100 w	gsLX
IW	-MV Huntetor	37	ppc/SASE	2182	MYG05		gsLX
IW	-MV Jerome Letzer	122	ppc/SASE	2182	ORMW	200 w	gsLX
IW	-MV Jolly Grigio	18	ppc/SASE	2182	IBSZ	400 w	gsLX
IW	-MV Maersk Challenger	16	ppc,i/IRC, fo	2182	GHLX		dp47
IW	-MV Maersk Champion	28	ppc/SASE	2182	OXJZ6	400 w	gsLX
IW	-MV Maersk Rover	21	ppc,lt,fo's,i/fo,IRC	2182	GDNK	150 w	dp47
IW	-MV Napoleon Bonaparte	14	ppc,photo/SASE	2182	FNNB		gsLX
IW	-MV Nedlloyd Normandie	41	ppc,photo/SASE	2182	FNID	250 w	gsLX
IW	-MV Norsun	21	ppc,photo,info	2182	PGJW	400 w	gsLX
IW	-MV Oil Tranporter	20	ppc,lt,i/IRC, fo	2182	MSPH9		dp47
IW	-MV Pacific Buccaneer	46	ppc,letter,info	2182	3FEST		gsLX
IW	-MV Pipitsa Petrakis	93	ppc,letter/IRC	2182	P3RX3	400 w	gsLX
IW	-MV Putford Achates	45	ppc/SASE	2182	MLDJ9		gsLX
IW	-MV Rapide	36	ppc,vc/IRC(back), fo	2182	LXGB		dp47
IW	-MV Sagacity	21	ppc,letter/SASE	2182	C6IX5	250 w	gsLX
IW	-MV Stena Shipper	41	ppc/SASE	2182	C6MU9		gsLX
IW	-MV Stirling Spica	21	ppc/IRC, fo	2182	8PLF		dp47
IW	-MV Veesea Tornado	26	ppc,lt/IRC, fo	2182	C60Y9		dp47
IW	-MV Viking Venturer	65	ppc/SASE	2182	MLSy2	400 w	gsLX
IW	-MV Viking Vigilant	43	ppc/SASE	2182	MKXT7		gsLX
IW	-Rig Santa Fe 140	31	ppc/SASE	2182	HP8694	250 w	gsLX
JOR	-LDOC Amman	58	f/d lt,sti,i/IRC, fo	13225	ALIA BASE	5000 w	dp47
JOR	-PETRA Amman	37	f/d ppc/vc	6830	JYF9	5000 w	zeTC

## EUNL1999

NOR-Bergen Meteo	160	ppc,lt,sti (see info)	11165	LMB		dp47
NOR-Floroe R.	6	ppc 2 f/up`s	2182	LGL		lrG
NOR-Floroe Radio	43	QSL/SASE	1680	LGL	800 w	gsLX
NOR-Tjoeme Radio	8	lt,ppc,i/vc,IRC		LGT	1000 w	pt53
POR-Radionaval Apulia	14	ppc/IRC,fo	2182	CTN		dp47
REU-FNy Le Port	32	cd-folder,Ham-cd/vc	8475,5	FUX		zeTC
ROU-Giurgiu R.	13	ham-cd,ppc/-	8667	YPO	100w	hb31
S -Gotland Rescue	5	cd/vc,IRC			1000 w	pt53
SUI-Bern R.	86	cd,i	16830	HEC		lrG
TUN-Tabarka R.	10	ppc,vc,map/IRC,fo	2182	3VK ??ed	750 w	dp47
TUN-Tabarka R.	23	f/d lt FF rpt	2182	3VT ??ed	250 w	lrG
USA-Dixon R.	69	f/d cd,i 2 f/up`s	13083	KMI		lrG
USA-LDOC Cedar Rapids	29	f/d lt,Ham-cd f/up	13348			lrG
UZB-Tashkent Meteo	52	ppc via Moscow	10000	ULA4		dp47

## Membership and Money corner:

Fee received with thanks from: js38, fd40, hs61, zeTC and kjs!

To pb40 and fmI: You were due to renew for the paperversion since Febr. 99. If I (or the treasurer) don't hear anything from you, EUNL 4-99 will be the last you get.

## Addresses/Infos/Veri-signers:

Special Event to mark the closing of the UK Coast Radio stations:  
(10th / 11th April)

Consequently this special event will recognise these two distinct areas and will also have two distinct parts:-

A DX event linking Portishead Radio and Area Scheme stations and  
A Coast Station event concentrating on topband, 80 and 40

It can probably be safely assumed that the two parts of the event will overlap on many occasions! It is hoped to have a special award for the event which can be achieved by working a set number of stations. Sponsorship for this proposed award and also for QSL cards is being sought.

Further info at: <http://www.users.zetnet.co.uk/rdixon/crs/specialevent/event.htm>  
(Tkanks to Hans-Peter for this info!)

## Some info from Pekka Kemppinen cf the Internet NDB-List:

315 VS is not Tampere 344 HEK is Heka FIN 348 ILA is neg.mod. of CF  
Corrections were made in the NDB-List, thanks Pekka for your info!

Bergen Meteo/LMB/LMA: Everyone, who wants to get old logs of Bergen/Fanarken Meteo QSL-ed, can write to:

D.N.M.I.-Det Norske Meteorologiske Institutt, Vervarslinga pa Vestlandet, c/o Mr. Dagfinn Madsen, Allegt 70, N- 5007 Bergen (dp47)

Please note, that the station was closed 31st March 1977!!!

KMI Dixon R.: AT&T High Seas Radio Station KMI, 18500 Sir Frances Drake Blvd., (P.O. Box 9), Inverness, CA 94937 (lrG)

Canarias Aero: Jefe Estacion Aeronautica `Canarias Radio`, Centro de Control de Transito Aereo de Canarias, Aptdo de Correos No 69, 35219 Telde, Islas Canarias (lrG)

MVC NDB Merville: Aerodrome de Merville-Calonne, B.P. 24, F-59660 Merville (lrG)

OAN NDB Orleans: Systems de Surveillance, d'information et de Communications, ERGE 10.538, Base Aerienne 123, F- 45037 Orleans CEDEX (lrG)

MU NDB Magdeburg: Flughafen Magdeburg GmbH, Ottersleber Chaussee 91, 39120

Magdeburg (v/s: Fischer)(hb31)

YPO Giurgiu R. - send via fantasyaddress. QSL from :Mihai Manciu, str.1.Dec.1918, Bl.60 Nav.Ap.11, RO-8375 Giurgiu (ham call YO9OC). - TNX to js38 for the hint!! You can also try via P.O.Box 20, 8375 Giurgiu (ham club Giurgiu). (hb31)

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.



## EUNL1999

Dominique, F- 00450 armees (dp47)  
 FNY Le Port/FUX: Station E.I.T. Marine, F-97418 Ste. Marte, Reunion Isl. (zeTC)  
 Madrid R./EAD: Telefonica, Servicio Maritimo, C/Beatriz de Bobadilla, 3, plta - 1, E-28040 Madrid (zeTC)  
 LDOC Cedar Rapids: Support Services, 400 Collins Road NE, Cedar Rapids, IA 52498-3161 (v/s: Wes Haley, Lead Radio Operator) (zeTC)  
 NDB Tours/TUR: Semaval, Aeroport Tours, Val-de-Loire, Rue de L'Aerogare, F-57100 Tours (lrg)  
 NDB Santa Maria/SMA: ATMLNA Apartado 47, Vila do Porto, 9580 Santa Maria (v/s: Miguel Silva)(zeTC)  
 South African Airways: Flight Control (Communications), Jan Smuts Airport, Johannesburg 1627, South Africa (v/s: Bernhard Främbs)(pt53)  
 NDBs Koeln/Bonn: Deutsche Flugsicherung GmbH, Postfach 98 01 26, D-51129 Koeln  
 MRSC Holyhead: HM Coastguard, Prince of Wales Road, G-Holyhead LL65 1ET; v/s: Jim Paton, District Controller (pt53)  
 Tjoeme R./LGT: Televerket, N-3145 Tjoeme (v/s: Steinar Tiedemann)(pt53)  
 NDB Metz-Lorraine/LOU: Administration de Aeroport, Nancy Lorraine, Aeroport, Route de Vigny, F-57420 Verny (pt53)  
 NDB Mendig/NMN: Flugbetriebsstaffel, Flg Abt 351, Gunther-Plueschow-Kaserne, D-56740 Mendig (pt53)  
 Compamare Bari/ICI06: M.R.S.C. Bari, Capitaneria di Porto, Corso de Tullio 1, I-70100 Bari (pt53)  
 Compamare Mazara del Vallo: Capitaneria di Porto, Via Lungo Fata Morgana, sn, I-91026 Mazara del Vallo (pt53)  
 Gotland Rescue Center: S- 621 86 Visby, Sweden (pt53)  
 Kuressaare Rescue: Saaremaa Piirivaluepiikkond, Tallinna 19, 93811 Kuressaare, Estonia (v/s:Mati Terve) (pt53)  
 HP8694 Santa Fe 140: Santa Fe Drilling Co. (N. Sea) Ltd., Greenbank Crescent, East Tullis Industrial Estate, Aberdeen AB12 3BG (gxLX)  
 3FES7 Pacific Buccaneer: Swire Pacific Offshore Services Ltd., Unit 4, Commerce Centre, Souter Head Road, Altens, Aberdeen AB2 3LF, Scotland (gsLX)  
 C6IX5 Sagacity: Everard & Sons Ltd, The Warf, Greenhite, Kent DA9 9NW (gsLX)  
 C6MU9 Stena Shipper: Stena AB, Masthuggetskaajen, S-405 19 Gothenburg (gsLX)  
 FNID Nedlloyd Normandie: P & O Nedlloyd BV, Postbus 240, NL-3011 XB Rotterdam, The Netherlands (gsLX)  
 FNNB Napoléon Bonaparte: SNCM, BP 807, 61 Boulevard des Dames, F-13226 Marseilles (gsLX)  
 IBSZ Jolly Grigio: Ignazio Messina & Co Spa, Via G. D'Annunzio 91, I-16121 Genova, Italia (gsLX)  
 LAVI4 Clare: Goliath Shipping AS, Postboks 3189, Elisenberg, N-0208 Oslo (gsLX)  
 LFLE3 Hera: Skibsaksjeselskapet Solvang, Postboks 90, Haakon VII's gt 8, N-4001 Stavanger, Norway (gsLX)  
 MKXT7 Viking Vigilant: Viking Standby Ltd., Annat House, South Quay, Ferryden, Montrose DD10 9UB, UK (gsLX)  
 MLDJ9 Putford Achates: Putford Enterprises Ltd., Columbus Buildings, Waveney Road, Lowestoft, Suffolk NR32 1BS, UK (gsLX)  
 MLSY2 Viking Venturer: Viking Standby Ltd., Annat House, South Quay, Ferryden, Montrose DD10 9UB, UK (gsLX)  
 MVJC4 Far Sky: Farstad Shipping Ltd., Farstad House, Badentoy Avenue, Badentoy Park, Portlethen, Aberdeen AB1 4YB (gsLX)  
 MYG05 Huntetor: Tidewater Marine North Sea, Souter Head Road, Altens Industrial Estate, Aberdeen AB12 3LF (gsLX)  
 ORMW Jerome Letzer: Targe Towing Ltd., Mountboy by Montrose, Tayside DD10 9TN, United Kingdom (gsLX)  
 OXJZ6 Maersk Champion: AP Moller, 50 Esplanaden, DK-1098 Copenhagen (gsLX)  
 P3RX3 Pipitsa Petrakis: Iolcos Hellenic Maritime Inc., Kifissias Avenue 250-4, GR-152 31 Halandri, Greece (gsLX)  
 PGJW Norsun: P & O North Sea Ferries BV, Postbus 1123, NL-3180 AZ Rozenburg, The Netherlands (gsLX)

Inquiries Department: Nothing to announce.

This great work was made by our (9) famous contributors: pt53, lrg, zeTC, dp47, pcG, gsLX, hb31, js38, ai47

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

Andreas

EUNL1999

EUROPEAN UTILITY NEWSLETTER 5-1999

```
*****
* Editor:      Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY      *
* Tel.:       (49) 02841 / 178529 ***** e-mail: aibold@aol.com      *
* Home page:  http://members.aol.com/aibold/EUNL.htm                    *
* Treasurer:  Norbert Reiner                                           *
* Membership fees to: Badische Beamtenbank Karlsruhe                   *
* Konto Nr.: 2038005 BLZ: 66090800                                     *
* Dispatcher: Norbert Reiner                                           *
* -----
* Membership fees for the printed copies: payable to the treasurer     *
* Germany: 20 DM; Europe: 20 DM (13 $); Overseas: 25 $ or the equivalent in *
* foreign currency - no cheques please!!                               *
*
*                               Deadline: 20th of the month!!!          *
*****
```

Hi out there,

I hope you are fine. This time the internet version is a little big more comprehensive than the paper edition. Hans-Peter phoned me and said that he will compile a new addresslist for EUNL 6-99. So the new and updated addresslist will be available around the 20th May at EUNL-Homepage.  
Tnx Hans-Peter!

N D B

270	0246	FLO	Flores	AZR	id	rk50
294	1112	PH	Cap d'Alpech	F	id	abNL
300,5	2054	LA	Lista Fyr	NOR	id x 5 + 20 sec dash	ti25
316	0207	TEA	Teano	I	id	rk50
318	0207	GEN	Genova/Sestri	I	id	rk50
330	0213	LEN	Leon	E	id	rk50
330	2354	SO	Eelde/Groningen	HOL	id	zeTC
337	0010	RMG	Romango di Cameri	I	id	zeTC
339	2118	HAM	Hamburg	D	id	ti25
344	2252	HN	Hohn AFB	D	id + 5 sec dash	ti25
348	0237	SAD	Sandsund/Leknes	NOR	id	rk50
349,5	0227	SZA	Solenzara	F	id+dash	rk50
350,5	2254	FU	Hamburg Fuhlsbuettel	D	id	ti25
355	0132	KI	Ivenets	BLR	2 x id	rk50
355	2329	MA	Mostar	BIH	id	rk50
357	0140	MA	Leipzig	D	id	rk50
357	2327	KVR	Kavouri	GRC	id	rk50
358	0234	BRG	Braganca	POR	id	rk50
359	2121	ITZ	Itzehoe AFB	D	id+4 sec dash+24 sec dash	ti25
362	1115	SLN	Berlin-Schoenefeld	D	id	zeTC
365	1026	GLX	Glueckstadt	D	id	ti25
367	1120	MU	Magdeburg	D	id	zeTC
369	2210	VRS	Vrsar	HRV	id + tone	zeTC
372	2122	NDO	Nordholz	D	id + 3 sec dash	ti25
380	2322	ULA	Ula Platform	IWA	id	rk50
382	2321	BR	Egilsstadhir	ISL	id	rk50
385,5	0007	KDN	Tunis	TUN	id	rk50
386	0008	BZ	Brize Norton	G	id	rk50
387	0300	CEV	Cervia	I	id	rk50
388	0256	GUI	Guidonia	I	id	rk50
390	0257	AVI	Aviano	I	id	rk50
390	0046	SS	Skoevde	S	id	zeTC
390,5	0304	ITR	Istres	F	id+dash	rk50
394	2332	DND	Dundee	G	id	rk50
398	2110	D	Plzen-Line	CZE	id	zeTC
400,5	1755	EJ	Esbjerg	DNK	id	rk50
404	1758	DA	Torp/Dalen	NOR	id	rk50
423	0112	CWL	Cranwell	G	id	zeTC

## EUNL1999

431	0120	SAY	Stornoway	G	id	zeTC
445	2226	TU	Tuzla	BIH	id + tone	zeTC
450	2308	PDV	Plovdiv	BUL	id	zeTC
490	2315	KO	Koshany	UKR	id	zeTC
525	2320	CH	Cherniakhiv	UKR	id	zeTC

## F I X E D

2318	1840		unid	?	cw-msg 5ng	ti25
2521	2325	Y3MM	unid, tactical	?	cw-vvv Y3MM ...	ti25
2908	2348		unid, RUS stations	?	FM simplex net, 3 stations	ti25
3188	2120	FDE14	AF Contrexeville	F	cw-vvv ...	ti25
3195	2357		Ny Ustinov	RUS	cw-channelmarker R	ti25
3271	0008	QYD1	unid, tactical	?	cw-clg C6BV, QRU?	ti25
3314	0611	HEP3	INTERPOL Zurich	SUI	cw-vvv	ti25
3318	0012		unid	?	cw-msg 5lg, fast handkeyed	ti25
3339,7	0015		Ny St. Petersburg	RUS	cw-channelmarker L	ti25
3398	0243	VL8G	unid, tactical	?	cw-msgs 5ng, handkeyed	ti25
3425	0021		Italian Radiopirates	I?	LSB smalltalk, 2 OMs in II	ti25
3468	0025		German Radiopirates	D	LSB smalltalk, tuning trbl	ti25
3506	0106	8EW	unid Eur/NATO Military	?	usb,w/7TZ, ref `submarine`	aleU
3508	1758		unid Russian, Military?	RUS	usb-figure msgs, daily hr	aleU
3521	1912	67EOK	unid Spanish Navy	E	usb, aka: `OK`, wkg DS	aleU
3521	1934	63GBH	unid Spanish Navy	E	usb-wkg 67EOK	aleU
3695	0034	X8FW	unid, tactical	?	cw-clg HC4P P8G7 KUDD	ti25
3781	0037		unid	?	cw-msg 5lg	ti25
3783,5	0154	0CH	unid Eur/NATO Military	?	usb-wkg 4EB	aleU
3885	0315	9A7	unid Eur/NATO Military	?	usb-w/7Z9, 6L3, hvy accent	aleU
3925,8	0245		unid	?	cw-msgs 5ng	ti25
4130	2103		Numbers NA01 (unid)	EGY	AM OTTO SUSAN SUSAN - QRU	ti25
4317	1921	FDE14	AF Contrexeville	F	cw-vvv DE ...	ti25
4456	0117		unid	?	cw-msg 3ng	ti25
4518	1941	FDI22	AF Narbonne	F	cw-vvv de FDI22 ar	zeTC
4558	0120	RCV	Ny Moskva	RUS	cw-channelmarker C	ti25
4558	0121	RMP	RUSNy Kaliningrad	KAL	cw-channelmarker P	ti25
4558	0300		Ny Arkhangelsk	RUS	cw-channelmarker S	ti25
4575	0122		RUSNy Tashkent	UZB	cw-channelmarker V	ti25
4612,5	1748	FDI8	AF Nice	F	cw-vvv	aleU
4646	0126		unid	?	cw-cont. vvv vvv	ti25
4802,8	1929		unid	?	cw-cont. 90 1113	ti25
4878	0134		RUSNy Tashkent	UZB	cw-channelmarker V	ti25
4880	0309		Numbers X28 (MOSSAD)	ISR	AM 5lg	ti25
4881	1814		Numbers X29 (MOSSAD)	ISR	AM msg, 11 5lgs	ti25
5054	1720	FVDQ	unid tactical	?	cw:QRK?:`QLN FOR UKWO UKWO`	aleU
5085	1541		Russ./CIS Domestic Air	?	usb-YLs	aleU
5088,5	1525	NAOD	unid tactical	?	cw-clg GHXD	aleU
5154	0142	RCV	Ny Moskva	RUS	cw-channelmarker C	ti25
5154	0143		Ny Arkhangelsk	RUS	cw-channelmarker S	ti25
5154	0144		Ny Ustinov	RUS	cw-channelmarker R	ti25
5154	1936	RMP	RUSNy Kaliningrad	KAL	cw-channelmarker P	ti25
5156,5	0209	Zero 9	unid US Military	?	usb-wkg (tent.) BLUESTAR	aleU
5170	1718		Mossad	ISR	am-vmf E `KPA2`	aleU
5180	1213		unid Number Station	?	cw-5x2 FGS, T=0	aleU
5195	1737		unid Russian, Aero ?	RUS	YL`s in R, Domestic Aero ?	aleU
5200	1154	FDE14	AF Contrexeville	F	cw-vvv	aleU
5214,5	1800	FDG	AF Orleans	F	cw-vvv	aleU
5227,5	0002	REA4	unid Number Station	?RUS	cw-5 fgs,end: =REA4 brbrbr	aleU
5230	0219		Mossad	ISR	am-vmf E `MIW 55`	aleU
5267	1116	L4B	unid Eur/NATO Military	?	usb-5JQ, re: XCJ	aleU
5268	0945	HEP5	INTERPOL Zurich	SUI	cw-vvv	ti25
5280	0755	X6SP	unid	?	cw-`FOR T3MG`, Z-grps	aleU
5310	2146	O8N	unid Eur/NATO Military	?	usb-wkg IOX, dutch? accent	aleU
5322	1504	FDG	AF Orleans	F	cw-vvv	aleU
5323	1145	D7CM	unid	?	cw-vvv VVV D7CM D7CW +	aleU
5337	0424	FDG	AF Bordeaux	F	cw-vvv de FDG ar	zeTC
5342	0155	FDY	AF Orleans	F	cw-vvv de ...	ti25
5349	1929	T1NW	unid tactical	?	cw-clg A5LV after mni V`s	aleU
5351	2020	FDG	AF Bordeaux	F	cw-vvv	ti25

## EUNL1999

5351	0926	FDG	AF Metz	F	cw-vvv		a1EU
5365,5	1408	W6YD	unid tactical	?	cw-wkg IL2B, simplex r/c		a1EU
5365,5	1804	XZY9	unid tactical	?	cw-clg Y4SM		a1EU
5406,5	1223	BANDBOX	HOL Airforce Millingen	HOL	USB wkg 8EG. Pos. reports		abNL
5407	1508	HU4Q	unid tactical	?	cw: HU4Q HU4Q QTC ZTW AR		a1EU
5422	1905		Numbers LP01 (MI6)	CYP	USB 68063		ti25
5437	2021		Numbers X35 (MOSSAD)	ISR	AM msg 5lg		ti25
5453	1159	P2CP	unid tactical	?	cw-wkg 3DJ7, w/QYT3		a1EU
5514	1837		unid	?	cw-ms 5lg, cyrilic		ti25
5521,5	1727		unid	?	cw-4FGS:A=1,U=2,D=8,N=9,T=0		a1EU
5530	2145		Mossad	ISR	am-vmf E: VLB 73Z74Z121300		a1EU
5530	1929		Mossad	ISR	am-vmf E: `VLB KED`		a1EU
5540	1718		unid, North Africa ?	?	usb-A/F msgs,NATO spelling		a1EU
5542	2048		Mossad	ISR	am-vmf E `CIO2`,new freq ?		a1EU
5565	1848		unid Russian	?	usb-duplex telefon-patches		a1EU
5630	1849		Mossad	ISR	am-vmf E `SYN2`		a1EU
5660	1344	VDE	unid, Hungary ?	?	cw-vvv,28 32x2 441x2 41Tx2		a1EU
5672	1201	VDE	unid, Hungary ?	?	cw-vvv		a1EU
5674	1513		unid Russian	?	usb		a1EU
5680	1800		unid, Russian Nr Stn	?	usb-vmm R `624 (3x) 00000`		a1EU
5681	1838		unid, North Africa ?	?	LSB-Arab/French, no chats		a1EU
5682	0039		unid	?	cw-cont. `05 05 05 ...`		a1EU
5694,7	1715		unid, cw-marker: `08 II	483508 483508 483508 II	222 +`		a1EU
5695	1742		unid, cw-marker: `18 II	461524 461524 461524 +`			a1EU
5753,5	1500	FDG	AF Bordeaux	F	cw-vvv		a1EU
5795	1416	10	unid NATO/Eur. Mil NCS	?	usb-wkg 73/74/78/40/79,r/c		a1EU
5810,5	1419		unid	?	cw:KSIO=ZLX ZPB ZHL QYT3 K		a1EU
5830	1634		unid Number Station	?	cw-mkr: `287/TT`		a1EU
5861,5	0133	LYNX	MOI/PLACID Abuja	NIG	cw-id LYNX & DIG-Free idle		a1EU
5881	1203	RMP	RNY Kaliningrad	KAL	cw-to RK081, 4 FGS QTCS		a1EU
5947	1636		unid Number Station	?	cw-2x5 fgs, T for 0		a1EU
6485	1905		Numbers LP03 (MI6)	CYP	USB 68063		ti25
6745	1748		Mossad	ISR	am-vmf E `VLB2`, s/off		a1EU
6752	1201		RNY Archangelsk	RUS	cw-cont.: S S S S S ...		a1EU
6768	0254	FDG	AF Bordeaux	F	cw-vvv		ti25
6769	1113	SNN299	MFA warszawa	POL	cw-id in F1A-mode		ti25
6769	1202	SNN299	MFA Warsaw	POL	cw-vvv		a1EU
6780	2012		US Intelligence	?USA	usb-YL/E 5(3-2) fgs		a1EU
6790	1333	VUNV	unid Italian Army	I	LSB-wkg LE1A		a1EU
6800	1627	SNN299	MFA Warsaw	POL	cw-vvv		a1EU
6815	1503	ICI	ICG Rome	I	usb-wkg unid		a1EU
6825	1026	FAV22	AF Mons Valerien	F	cw-id CQ DE FAV22 VA		ti25
6825	1507	FAV22	F Army Mont-Valerien	F	cw-CW lessons/open Fr. TXT		a1EU
6827	1421		unid	?	cw-mkr: 737 737 737 94T 19		a1EU
6836	1728	FDG	AF Metz	F	cw-vvv		a1EU
6838	2139	FDE14	AF Contrexeville	F	cw-vvv		ti25
6838	2010	FDE14	AF Contrexeville	F	cw-vvv		a1EU
6840	2010		Mossad	ISR	am-YL 5 lgs		a1EU
6840,5	1534	FDG	AF Orleans	F	cw-vvv		a1EU
6844,5	1559	FDC	AF Metz	F	cw-vvv		a1EU+ti25
6854	1919		Numbers EM04 (DoSC)	RUS	AM wkg msg 5ng, OM twice		ti25
6856,5	1420	FDG	AF Orleans	F	cw-vvv		a1EU
6865	0305	FDG	AF Bordeaux	F	cw-vvv		ti25
6870	2013		unid	?	cw-cont. 949949 949 000		ti25
6871	1047	HEP7	INTERPOL Zurich	SUI	cw-vvv		a1EU+ti25
6871,5	1159	FDG	AF Orleans	F	cw-vvv		a1EU
6873,5	1330	ICS	Ny La Spezia	I	usb-wkg IGMA, coord fr RTT		a1EU
6875	2049	FDI22	AF Narbonne	F	cw-vvv		ti25+a1EU
6880	1629	DORIA	unid Italian Navy	?	usb-wkg RU (=Vessel IARU?)		a1EU
6880	1151	TAVOLA 3	unid Italian Navy	?	usb-w/DORIA, re:Yalaz/TCRS		a1EU
6880	1605	LEONE	unid Italian Navy	?	usb-wkg LA FIAME (?)		a1EU
6890	0309	VJT	RFDS Carnarvon	AUS	USB wkg unid, medical disc		ti25
6890	1413	1TQB	unid Italian Army	I	usb-wkg Y78X, ment.Bolzano		a1EU
6891	2006		Numbers E19 (CIA)	USA	USB 070, count 165		ti25
6900	2006		Numbers LP04 (MI6)!!!	CYP	USB 66051		ti25
6910	1520	FDG	AF Orleans	F	cw-vvv		a1EU
6912	2001		unid	?	cw-wkg msg 5lg, bad keyer!		ti25
6913,5	1503	YSNN	unid	?	cw-wkg 1WMT, WL3S fr QSA		a1EU

EUNL1999

6937	2121		unid Number Station	?	cw-mkr: `997 997 997 1`	a1EU
6953	1049	FDY	AF Orleans	F	cw-vvv	a1EU
6959	2105		Numbers LP05 (MI6)	CYP	USB 53302	a1EU+ti25
6962	1753		unid Arab	?	usb-`phone-patch` styled?	a1EU
6970	1809		Numbers E21 (CIA)	USA	AM 392, count 113	ti25
6973	1737		Russian Intelligence	?RUS	am-OM/Russ, 2x5 fgs	a1EU
6984	1124	SNN299	MFA Warszawa	POL	cw-cq de SNN299	a1EU+ti25+zeTC
6985	1610		Bermeo Fisheries Radio	E	usb-Sp. wx bull., cfm-tfc	a1EU
6986	1500		Mossad	ISR	am-vmf `ART`	a1EU
6987	1558	QN4C	unid tactical	?	cw-wkg unid	a1EU
6991	0828	P33	unid Spanish	?	usb-wkg C21 fr r/c in Span	a1EU
6992	0823		unid German	D	usb-chat abt HF technic	a1EU

no chat pirates! said to an unid pirate that they are allowed here.  
 Talk abt. HX002 and Abteilung (=Dept.) 2 in Tuebingen and an HF  
 technician Mr. Beuerle, but who is now in Italy.  
 back to `spreitz` (Spread), then heard `digital bursts` ! The Ops know  
 each other very well, one named Herbert. Which kind of net ?

6996	1537		ICRC Belgrade	YUG	usb-Engl. r/c wkg PODRICI?	a1EU
6996	1446		ICRC Zagreb	HRV	usb-YL clg Belgrade	a1EU
6997	2040		unid Number Station	?	usb-vmf E: `919 919 919 1`	a1EU
6997	1627	RUPE	unid Italian AF	I	wkg IARD fr r/c	a1EU
6998	1536	HWK7	unid Italian Pirate !	I	cw-vvv marker	a1EU
6998	1635	HWK7	unid: =ICI SANTA CASA=, =SERVIZI INFORMAIVI DE HWK7=			a1EU

=NR 6835/LA - QUALANTANOVE VENERDI DI PREGHIERE.-- OGGI  
 TERZO VENERDI DELLA AESTA PARTIA. OGGI D`IMMACZLATA  
 CONCEZIONE NOSTRA MADRE ZACI CHIE DE HIPREGARE TUTTI E  
 DIRESTARE SOTTO IL SUOTIANTZ. LEI CI DICE CHE QUESTO AN  
 MOMENTO IDCUI L`UMANIT DE VE\_REF LETTERE SERIAU  
 ENTESULFOSSATJ  
 CHE HASCAVRTO PERSEPARARSI DADIO, NOSTRO PADRE SANTO.  
 I`UNICA VIA APREL UOMO CONVERTIR SIPU VERE LA PACE.  
 =LABEATAVERGINE MARIA, NEL MESSAGGIO ODIERNORIMP UERA ...

	1525	HWK7			=NR 6852/LA = C`1 BISOGNO DIRIDARE DIGNIT_ UMANA ALLE POPOLAZIONI DEL KOSOVO. = = = QUESTA DIGNIT_ .... =+ DE HWK7 HWK7 + VVV DE HWK7 +	
--	------	------	--	--	---	--

6998,5	1636	DEK25	unid DRK/Ger. Red Cross	D	cw-clg DEK88	a1EU
7039	0314	RCV	Ny Moskva	RUS	cw-channelmarker C	ti25
7335,5	1712	FDC	AF Metz	F	cw-vvv DE FDC..	ti25
7472,5	0819	FDC	AF Metz	F	cw-vvv	ti25
7484	0838	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti25
7513	2110	FDG	AF Bordeaux	F	cw-vvv de FDG ar	zeTC
7555	0315		Numbers SL19	CUB	AM msg 5ng, YL in SS	ti25
7592,5	1714	FDI8	AF Nice	F	cw-vvv	ti25
7593	1707	FDI8	AF Nice	F	cw-vvv de FDI8 ar	zeTC
7668	0257	8BY	French Intel St.Asisse	F	cw-vvv 8BY ...	ti25
7712	1358		unid	?	cw-msg 5ng, very fast	ti25
7732	1604		unid	?	cw-msg 5ng, 0 = T	ti25
7744	2020		unid	?	cw-cont. Vv vv vv vv ..	ti25
7753	1951		unid	?	cw-msg 5ng, cyrilic, 0=T	ti25
7788	1552	FDE14	AF Contrexeville	F	cw-vvv de ...	ti25
7834,5	1128	FDC	AF Metz	F	cw-vvv	ti25
7861	1605		unid	?	cw-msg 5lg, kyrilic	ti25
7871,5	1154	LN2A	NTA Sveio	NOR	cw-id+synch+phasing	ti25
7887	0208		Numbers IL04 (unid)	I?	AM msg 5ng, YL in II	ti25
7918	1606		Numbers X59 (MOSSAD)	ISR	cw-msg 5lg	ti25
7948	2325	C.VERT?	AF Villacoublay (tent)	F	USB voice mirror	ti25
7964	1415		unid	?	cw-msg 5lg	ti25
7969	1417		unid	?	cw-msg 5lg, cyrilic	ti25
8022	0930	VKS737	4wd Hq	AUS	USB clg Vks 737 N12 etc	ewAU
8080	1706		Numbers E33 (CIA)	USA	AM 030, count 215	ti25
8094,5	1609	FDC	AF Metz	F	cw-vvv	ti25
8103	1100		unid	?	cw-msg 5ng, handkeyed	ti25
8108	1354		unid	?	cw-msg 5lg, cyrilic	ti25
8122	0950		Canberra Control	AUS	USB clg Hmas Benalla+Other	ewAU
8125	1707		Numbers E35 (CIA)	USA	AM 010, count 172	ti25
8148	0833	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti25
8154	0836	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti25
8259,2	1005		Unid cw Station,	?	cw-vvv cq 747 T24 Then3 L/GewAU	

## EUNL1999

8464	1604		Numbers LP09 (MI6)	CYP USB 60644	ti25
8495	1558	RCV	Ny Moskva	RUS cw-channelmarker C	ti25
8540	0730		unid	? cw-cont. 182\00, 0=T	ti25
8658	2205		Numbers SL26 (unid)	CUB AM ATENCION 385 04, 5ng	ti25
8981,5	0855	55K6	unid Italian Army	I LSB-wkg ONXD	aleU
9070	1810		Numbers E39 (CIA)	USA AM 392, count 113	ti25
9109	1350		Unknown	? cw-Repeats vvv vvv 723 723	ewAU
9130	1611		Numbers X64 (MOSSAD)	ISR cw-msg 5lg	ti25
9186	1133	HEP9	INTERPOL Zurich	SUI cw-vvv	ti25
9198	1019	SNN299	MFA Warszawa	POL cw-id in F1A-mode	ti25
9219	1607		Numbers E41 (CIA)	USA AM 217, count 129	ti25
9251	2105		Numbers LP09 (MI6)	CYP USB 53302	ti25
9295	1335	FDE14	AF Contrexeville	F cw-vvv	ti25
9382	1613		Numbers X66 (MOSSAD)	ISR AM msg 5lg	ti25
9487	0917		unid	? cw-msg 5ng, handkeyed	ti25
10144	1136	DK0WCY	DARC Suederbrarup	D cw-wkg AURORA-WARNING abNL+	ti25
10147	1430	FDC	AF Metz	F cw-vvv de ...	ti25
10248	2051	8BY	French Intel St.Asisse	F cw-vvv 8BY ...	ti25
10280	1126	IGN	Italian Army Rome	I usb-YL op, clg Tirana	aleU
10280	1126		Italian Army Kukes	ALB usb-wkg Roma	aleU
10314	0824	SNN299	MFA Warszawa	POL cw-id in F1A-mode	ti25
10408,5	1339	LN2A	PTT-NTA Sveio	NOR cw-id+synch+phasing	ti25
10423	1608		Numbers E46 (CIA)	USA AM 217, count 129	ti25
10426	2005		Numbers LP11 (MI6)	CYP USB 66051	ti25
10470	0805	FDC	AF Metz	F cw-vvv de FDC ar	ti25+zeTC
10472,3	1140		unid, french	F? USB see Info-item below!!!	ti25
10597	1110		unid	? cw-msg 5lg, cyrilic	ti25
10607	0947	FDI8	AF Nice	F cw-vvv	ti25
10670	1328		Unid	? USB English Man Numbers	ewAU
10671	1433	FDE14	AF Contrexeville	F cw-vvv de ...	ti25
10872	1101	RMP	RUSNy Kaliningrad	KAL cw-wkg channelmarker P	ti25
10872	1821	RCV	Ny Moskva	RUS cw-wkg channelmarker C	ti25
11072	1609		Numbers E54 (CIA)	USA AM 574, count 215	ti25
11129	1110		unid	? cw-cont. vvv ..	ti25
11346	1441		unid Arab	? usb-msgs, sentence repeated	aleU
11346	1716		unid Arab	? LSB-OM 2x5 LGS in Arab	aleU
11471	0831	SNN299	MFA Warszawa	POL cw-id in F1A-mode	ti25
11545	1405		Numbers LP12 (MI6)	CYP USB 66051	ewAU+ti25
12075	1241	8BY	French Intel St.Asisse	F cw-vvv 8BY 8BY ...	ti25
12175	1359		Numbers E58 (CIA)	USA AM 700, repeat from 15895!	ti25
12603	1506		Numbers LP14 (MI6)	CYP USB 91576	ti25
13375	1806		Numbers LP15 (MI6)	CYP USB 56123	ti25
13426	1121		unid	? cw-msg 5ng, 0=T	ti25
13431	1256		unid	? cw-msgs 5ng, handkeyed	ti25
13512	1115		unid	? cw-msgs, 5lg, strong sig.	ti25
13526	1312		unid	? cw-msgs, 5lg, cyrilic	ti25
13528	1258	RCV	Ny Moskva	RUS cw-channelmarker C	ti25
13528	1259		Ny Arkhangelsk	RUS cw-channelmarker S	ti25
13554	0857		Unid	? cw/Sitor too weak to Id herewAU	
13555	1405		Numbers E62 (CIA)	USA AM 205, count 162 = 15732!	ti25
14100	1414	OH2B	Propag. beacon Espoo	FNL cw	abNL
14100	1414	CS3B	Propag. beacon Funchal	AZR cw	abNL
14487	1420		Numbers LP15 (MI6)	CYP USB msg 5ng	ti25
14487	1203		Lincolnshire Poacher	CYP USB Callup and into 5 Ltr	ewAU
14931	1359	8BY	Frenc Intel St.Asisse	F cw-vvv 8BY ...	ti25
15682	1204		Lincolnshire Poacher	CYP USB Callup into 5 Ltr	ti25+ewAU
15732	1406		Numbers E66 (CIA)	USA AM 205, count 162 = 13555!	ti25
15895	1208		Numbers E67 (CIA)	USA AM 700, count215	ti25
15980	1121		Numbers X87 (MOSSAD)	ISR AM msg 5lg	ti25
16084	1306		Numbers LP18 (MI6)	CYP USB 53302	ti25
16084	1204		Lincolnshire Poacher	CYP USB Callup and into 5 Ltr	ewAU
16198	1340		CIA Numbers	USA USB 3/2 Letter Groups	ewAU
16332	1123		Ny Arkhangelsk	RUS cw-wkg channelmarker S	ti25
16332	1527	RCV	Ny Moskva	RUS cw-wkg channelmarker C	ti25
17410	1114		Numbers X88 (MOSSAD)	ISR AM msg 5lg	ti25
18000	1103		Numbers NA09	EGY AM QUEEN ROBERT UNION	ti25
18064	0827	SNN299	MFA Warszawa	POL cw-id in F1A-mode	ti25
18110	1355	OH2B	Propag. beacon Espoo	FNL cw	abNL

EUNL1999

18110	1355	CS3B	Propag. beacon Funchal	AZR	CW		abNL
18110	1644	ZS6DN	Propag. beacon Pretoria	AFS	CW		abNL
18110	1620	5Z4B	Propag. beacon Kilif	KEN	CW		abNL
18110	1620	4U1UN	Propag. beacon UN N.Y.	USA	CW		abNL
18415	1351	8BY	French Intel St.Asisse	F	CW-vvv 8BY ...		ti25
18420	1217		Numbers EM15 (DoSC)	RUS	AM cont.735 735 735 00000		ti25
20048	1445	RCV	Ny Moskva	RUS	cw-channelmarker C		ti25
20048	1446		Ny Arkahangelsk	RUS	cw-channelmarker S		ti25
20946	1450	8BY	French Intel St.Asisse	F	CW-vvv 8BY 8BY ...		ti25
21150	1438	OH2B	Propag. beacon Espoo	FNL	CW		abNL
21150	1405	CS3B	Propag. beacon Funchal	AZR	CW		abNL
21150	1429	5Z4B	Propag. beacon Kilif	KEN	CW		abNL
21150	1429	ZS6DN	Propag. beacon Pretoria	AFS	CW		abNL
21150	1509	4U1UN	Propag. beacon UN N.Y.	USA	CW		abNL
21300	1500		Russ./CIS OTHR	?	`woodpecker` (Radar)		aLEU
24930	1026	5Z4B	Propag. beacon Kalif	KEN	CW		abNL
24930	1036	CS3B	Propag. beacon Funchal	AZR	CW		abNL
24930	1627	4U1UN	Propag. beacon UN N.Y.	USA	CW		abNL
24930	1629	ZS6DN	Propag. beacon Pretoria	AFS	CW		abNL
25870	1630	KPM360	Radio WFLA?, Tampa/FL	USA	fm-Bcast px `studio link`		aLEU
25910	1537		unid US Broadcast Link	USA	fm-religious Prg		aLEU
28200	1124	CS3B	Propag. beacon Funchal	AZR	CW		abNL
28200	1554	4U1UN	Propag. beacon UN N.Y.	USA	CW		abNL
28200	1612	OH2B	Propag. beacon Espoo	FNL	CW		abNL

M A R I T I M E

447	2303	ICB	Genova R.	I	cw wkg nav-warnings		ti25
1613	2147	OXZ	Lyngby R.	DNK	cw sitor-id		ti25
1704	2153	OXZ	Lyngby R.	DNK	USB nav-wngs = 1734		ti25
1707	2155		Machichaco R.	E	USB pp to Barcelona		ti25
1734	2157	OXZ	Lyngby R.	DNK	USB nav-wngr = 1704		ti25
2182	0034	SVL	Limnos R.	GRC	Securite, QSY 2730		aLEU
2182	0036	SVK	Kerkyra R.	GRC	Securite, QSY 2830		aLEU
2184	2224		unid, RUS vessels tent	?	FM!!! simplex net, 6 stns		ti25
			see also info below		(Strange Behaviour Part 2)!		ti25
2357,5	2317	OUA	Ny Aarhus	DNK	cw id NAWS, bcst D23		ti25
2680	2336	4XZ	Ny Haifa	ISR	cw msg plain text		ti25
2761	0239	OSU	Oostend R.	BEL	USB nav-warns		ti25
2799	2344	SVH	Iraklion R.	GRC	USB wkg navigational warns		ti25
2800	2342	4XZ	Ny Haifa	ISR	cw wkg id VVV VVV VVV		ti25
3008	2111		German Ships	IW	USB Smalltalk, SNOW		ti25
3108	2108		German Ships	IW	USB Smalltalk, SKAGERRAK		ti25
3147	1848		German Ships	IW	USB wkg smalltalk		ti25
3615,8	0029	GKY1	Portishead R.	G	cw sitor-id		ti25
3678	0032	SXH32	Ny Kriti	GRC	CW-vvv	ti25	
4154,3	0248	DHJ59	Ny wilhelmshaven	D	USB clg DRAE, no response		ti25
4211	0636	GKE1	Portishead R.	G	cw sitor-id		ti25
4211,5	0049	USU	Mariupol R.	UKR	cw sitor-id		ti25
4215	0051	IAR	Roma R.	I	cw sitor-id		ti25
4210,5	0047	ESA	Tallin R.	EST	cw sitor-id		ti25
4215,5	0052	HEC	Bern R.	SUI	cw sitor-id		ti25
4215,5	0638	OXZ	Lyngby R.	DNK	cw sitor-id		ti25
4216	0053	TAH	Istanbul R.	TUR	cw sitor-id		ti25
4216,5	0641	IAR	Roma R.	I	cw sitor-id		ti25
4218	1426	OST	Oostend R.	BEL	cw sitor-id		ti25
4218,5	0058	LZW	Varna R.	BUL	cw sitor-id		ti25
4219	0059	TAH	Istanbul R.	TUR	cw sitor-id		ti25
4219	0100	A9M	Bahrain R.	BHR	cw sitor-\clover-id		ti25
4241	1429	LGW	Rogaland R.	NOR	cw-cq de ....		ti25
4253	1855	TAH	Istanbul R.	TUR	CW DE TAH CH 4 5 8 DE ..		ti25
4259	1431	SAB	Gothenborg R.	S	cw sitor-id		ti25
4260	0252	TBA	Ny Ankara	TUR	CW-vvv, BCST T13A		ti25
4271	1856	OFJ	Helsinki R.	FIN	cw id OFJ QSX 4 MHZ K		ti25
4273	1917	SAA	Karlskrona R.	S	CW-cq DE SAA ...		ti25
4274	1858	GKB	Portishead R.	G	CW-vvv		ti25
4325,5	0256		Ny Ustinov	RUS	cw channelmarker R		ti25
4350	0258	TBB	Ny Ankara	TUR	CW VVV TBJ DE TBB5\7 QAP		ti25

## EUNL1999

5690	0925	EIYM	INy Patrol LE Aoife	IW	Emer Class vessel, wkg OA	aLEU
6316	0224	NMN	USCG Chesapeake, VA	USA	cw sitor-id	ti25
6316	0225	UFN	Novorossiisk R.	RUS	cw sitor-id	ti25
6318,5	0227	9VG	Singapore R.	SNG	cw sitor-id	ti25
6318,5	1025	OXZ	Lyngby R.	DNK	cw sitor-id	ti25
6324	0230	WCC	Chatham R., MA	USA	cw sitor-\clover-id:VCT\WCC	ti25
6326,5	0232	USU	Mariupol R.	UKR	cw sitor-id	ti25
6326,5	1028	SAB	Gothenborg R.	S	cw sitor-id	ti25
6327	0233	WNU	Slidell R., LA	USA	cw sitor-\clover-id	ti25
6329,5	0235	VCT	Tors Cove R.	CAN	cw sitor-\clover-id	ti25
6330	0236	LZW	Varna R.	BUL	cw sitor-id: DE LZW LZW	ti25
6330,5	0237	8PO	Barbados R.	BRB	cw sitor-\clover-id	ti25
6332	0613	OST	Oostend R.	BEL	cw sitor-id	ti25
6357	1041	SAA	Karlskrona R.	S	cw-cq de ...	ti25
6379	0242	4XZ	Ny Haifa	ISR	cw-vvv de 4XZ 4XZ 4XZ	ti25
6388	1947	EBA	Ny Madrid	E	cw-cq DE EBA ...	ti25
6470	1951	SXA24	Ny Athinai	GRC	cw-vvv	ti25
6779	0013	DRKB	unid FGS	IW	USB wkg DHJ59, msgs, qs1	ti25
6779	2222	DRAS	FGS Rheinland-Pfalz	IW	USB wkg DHJ59, msgs, zes2	ti25
6873,5	1330	IGMA	INy M/V Magnaghi	IW	wkg ICS	aLEU
6997	1619	IARU	INy M/V Audace	IW	wkg RUPE (=unid), aka: RU	aLEU
6997	0149	IARD	INy M/V Ardito	IW	wkg RUPE, aka: RD`, r/c	aLEU
6997	1827	IADP	INy M/V Durand de la Penne	IW	wkg RUPE, pos rep	aLEU
7712	1347	TBB7	Ny Ankara	TUR	cw-vvv	ti25
8335,3	0016	DHJ59	Ny wiheImshaven	D	USB wkg DRAS, msgs, qs1..	ti25
8335,3	1458	DREY	FGS Frankenthal	IW	USB wkg DHJ59, msgs, zes2	ti25
8417	1422	GKE4	Portishead R.	G	cw sitor-id	ti25
8417,5	2032	XSV	Tianjing R.	CHN	cw sitor-id	ti25
8418	0653	LSD836	Buenos Aires R.	ARG	cw sitor-id	ti25
8418	1014	IAR	Roma R.	I	cw sitor-id	ti25
8419	0638	WLO	Mobile R., AL	USA	cw sitor-id	ti25
8419	2035	VIP	Perth R.	AUS	cw sitor-\clover-id	ti25
8419,5	0654	PPR	Rio de Janeiro R.	B	cw sitor-id	ti25
8420	2038	KHF	Guam R.	GUM	cw sitor-id	ti25
8420,5	0656	HEC	Bern R.	SUI	cw sitor-id	ewAU+ti25
8420,5	2040	9VG	Singapore R.	SNG	cw sitor-id	ti25
8420,5	2343	CBV	Playa Ancha Zonal R.	CHL	cw sitor-id	ti25
8421	2344	WLO	Mobile R., AL	USA	cw sitor-id	ti25
8421,5	2041	VRX	Hongkong R.	CHN	cw sitor-id	ti25
8421,5	2042	LZW	Varna R.	BUL	cw sitor-id	ti25
8421,5	2043	SVS	Athinai R.	GRC	cw sitor-id	ti25
8421,5	2345	9AR	Rijeka R.	HRV	cw sitor-id	ti25
8422	0657	ESA	Tallin R.	EST	cw sitor-id	ti25
8422	2044	NRV	USCG Agana	GUM	cw sitor-id	ewAU+ti25
8422,5	0658	USU	Mariupol R.	UKR	cw sitor-id	ti25
8423	0026	SVT	Athinai R.	GRC	cw wkg sitor-id	ti25
8424	0342	WCC	Chatham R., MA	USA	cw sitor-\clover-id:VCT\WCC	ti25
8425,5	0729	HEC	Bern R.	SUI	cw sitor-id	ti25
8425,5	2348	XSG	Shanghai R.	CHN	cw sitor-id	ti25
8426	0702	NMC	USCG Point Reyes, CA	USA	cw sitor-id	ti25
8426,5	0158	WCC	Chatham R., MA	USA	cw sitor-\clover-id:VCT\WCC	ti25
8426,5	0705	VCS	Halifax Coastguard	CAN	cw sitor-id	ti25
8426,5	2053	9VG	Singapore R.	SNG	cw sitor-id	ti25
8427	2055	OXZ	Lyngby R.	DNK	cw sitor-id	ti25
8427,5	0157	A9M	Bahrain R.	BHR	cw sitor-id: DE A9M TLX	ti25
8427,5	0707	SPA	Gdynia R.	POL	cw sitor-id	ti25
8428	0701	NMN	USCG Chesapeake, VA	USA	cw sitor-id	ti25
8429	2058	EAD	Madrid R.	E	cw sitor-id	ewAU+ti25
8430	2059	9VG	Singapore R.	SNG	cw sitor-id	ti25
8430	2100	UJE	Nizhnij-Novgorod R.	RUS	cw sitor-id	ti25
8431	0345	TAH	Istanbul R.	TUR	cw sitor-id	ti25
8431,5	1016	UAT	Moskva R.	RUS	cw sitor-id	ti25
8432	2351	USU	Mariupol R.	UKR	cw sitor-id	ti25
8432,5	1020	UFN	Novorossiisk R.	RUS	cw sitor-id	ti25
8433	0348	8PO	Barbados R.	BRB	cw sitor-\clover-id	ti25
8433	2105	XSG	Shanghai R.	CHN	cw sitor-id	ti25
8434	2107	TAH	Istanbul R.	TUR	cw sitor-id	ti25
8434	2108	EAD	Madrid R.	E	cw sitor-id	ti25



## EUNL1999

8434,5	1021	SAB	Gothenborg R.	S	cw sitor-id	ti25
8435	0349	VCT	Tors Cove R.	CAN	cw sitor-\clover-id	ti25
8435,5	1431	OST	Oostend R.	BEL	cw sitor-id	ti25
8435,5	2354	VCT	Tors Cove R.	CAN	cw sitor-\clover-id	ti25
8436,5	2109	UDK2	Murmansk R.	RUS	cw sitor-id in F1A-mode	ti25
8437	2120	4XZ	Ny Haifa	ISR	cw-vvv	ti25
8448	2113	A9M	Bahrain R.	BHR	cw-cq DE A9M CQ DE A9M	ti25
8450	2023	SAA	Karlskrona R.	S	cw-cq DE SAA ...	ti25
8473	1239	HLF	Seoul R.	KOR	cw/Sitor Station Marker	ewAU
8473,5	2051	A7D	Doha R.	QAT	cw-de DE A7D DE A7D	ti25
8484	2122	HLF	Seoul R.	KOR	cw-cq DE HLF HLF	ti25
8495	0724		Ny Arkhangelsk	RUS	cw channelmarker S	ti25
8495	2123	RCV	Ny Moskva	RUS	cw channelmarker C	ti25
8497	2130	HLF	Seoul R.	KOR	cw sitor-\clover-id	ti25
8497	1237	HLG	Seoul R.	KOR	cw/Sitor Station Marker	ewAU
8515	0028	5AT	Tripoli R.	LBY	cw-vvv DE 5AT ....	ti25
8522	1033	CBV	Valparaiso R.	CHL	cw-Station Marker	ewAU
8530	2029	9VG	Singapore R.	SNG	cw-cq DE 9VG 9VG	ti25
8539	2137	VRX35	Hongkong R.	CHN	cw-cq DE VRX35 VRX35..	ti25
8541	2138	A9M	Bahrain R.	BHR	cw sitor-\clover-id	ti25
8557	1443	SPB	Szczecin R.	POL	cw sitor-id	ti25
8559,5	1444	GKB	Portishead R.	G	cq-de GKB QSX CH 2 3	ti25
8568,5	0938	XFM	Manzanillo R.	MEX	cw-Station Marker	ewAU
8573	0939	CLA	Havana R.	CUB	cw-Station Marker	ti25+ewAU
8574	1447	LGW	Rogaland R.	NOR	cw-cq	ti25
8577	1945	HLO	Seoul R.	KOR	cw-cq DE HLO HLO HLO	ti25
8582,4	0943	XSN	Ningbo R.	CHN	cw-Station Marker	ewAU
8589	0137	HPP	Panama Intelmar R.	PNR	cw-vvv cq...	ti25
8590	0138	VTK	Ny Tuticorin	IND	cw-vvv	ti25
8594	0139	VTN	Ny Cochin	IND	cw-vvv VTN12\13\14	ti25
8595	1155	UFL	Vladivostok R.	URS	cw-Artillery Range Info	ewAU
8600	2151	XSV	Tianjing R.	CHN	cq-de XSV UP 363 - QRZ?	ti25
8610	1947	UCE5	Arkhangelsk R.	RUS	cq-de UCE5 K	ti25
8624	1639	XSQ	Guangzhou R.	CHN	cw-cq DE XSQ PSE UP 365...	ti25
8634	2056	VTG	Ny Mumbai	IND	cw-vvv VTG....	ti25
8634	0949	PPR	Rio R.	B	cw-Station Marker	ewAU
8636	1243	HLW	Seoul R.	KOR	cw-Station Marker	ti25+ewAU
8650	1510	SPE	Szczecin R.	POL	cw VVV DE SPE42\61 QSXewAU+	ti25
8662	2040	TAH	Istanbul R.	TUR	cq-de TAH TAH TAH ...	ti25
8665	1951	XSG	Shanghai R.	CHN	cw id CQ CQ DE XSG XSG ...	ti25
8670	1513	IAR	Roma R.	I	cw-vvv DE IAR..	ti25
8682	2042	EAD	Madrid R.	E	cq-de EAD 3\EAD 44	ti25
8685,5	1517	IRM	Roma Medico R.	I	cw-vvv IRM ...	ti25
8686	1014	CNP	Casablanca R.	MRC	cw-Station Marker	ewAU
8698	0840	7TF6	Boufarik R.	ALG	cw-Station Marker	ti25+ewAU
8700	1520	9AR	Rijeka R.	HRV	cw id VVV DE 9AR VVV DE ..	ti25
8704	1419	SVB4	Athens R.	GRC	cw-QSX 7030 khz, CQ HAMS	aleU
8743	1019		Bangkok R.	THA	USB w/ stn anns in eng langewAU	
10192,5	0927	DRAS	FGS Rheinlad-Pfalz	IW	USB wkg DHJ59, msgs, qsy	ti25
10192,5	1443	DHJ59	Ny wilhelmshaven	D	USB wkg unid, msgs, qsl	ti25
10192,5	1810	DREY	FGS Frankenthal	IW	USB clg DHJ59, rdock, ZBO	ti25
10192,5	1857	DRKH	FGS Meersburg	IW	USB wkg DHJ59, msgs, qsl	ti25
10722	0929	DRAS	FGS Rheinlad-Pfalz	IW	USB clg DHJ59, rdock	ti25
10722	1348	DRAO	FGS Luebeck	IW	USB wkg DHJ59, msgs, qsl	ti25
10722	1931	DRAS	FGS Rheinlad-Pfalz	IW	USB wkg DHJ59, msgs, qsl	ti25
12415,3	1918	DRKH	FGS Meersburg	IW	USB wkg DHJ59, msgs, qru	ti25
12579,5	1643	9VG	Singapore R.	SNG	cw sitor-id	ti25
12580	1923	GKE5	Portishead R.	G	cw sitor-id	ti25
12581,5	0900	WLO	Mobile R., AL	USA	cw sitor-id	ti25
12584	1718	VIP	Perth R.	AUS	cw sitor-\clover-id	ti25
12585	1928	NRV	USCG Agana	GUM	cw sitor-id	ti25
12585,5	1929	VRX	Hongkong R.	CHN	cw sitor-id	ti25
12586,5	1934	WLO	Mobile R., AL	USA	cw sitor-id	ti25
12587	1139	LZW	Varna R.	BUL	cw sitor-id	ti25
12588	1108	HEC	Berne R.	SUI	cw/Sitor	ti25+ewAU
12589	1936	NMO	USCG Honolulu	HWA	cw sitor-id	ti25
12590	0905	EAD	Madrid R.	E	cw sitor-id	ti25
12590	1937	9VG	Singapore R.	SNG	cw sitor-id	ti25

## EUNL1999

12591	1140	UJE	Nizhnij-Novgorod R.	RUS	cw sitor-id	ti25
12592,5	1146	NMN	USCG Chesapeake, VA	USA	cw sitor-id	ti25
12593	0908	ESA	Tallin R.	EST	cw sitor-id	ti25
12593,5	1941	9VG	Singapore R.	SNG	cw sitor-id	ti25
12594	0151	PPR	Rio de Janeiro R.	B	cw sitor-id	ti25
12594,5	1148	A9M	Bahrain R.	BHR	cw sitor-id: DE A9M TLX	ti25
12596	0909	WLO	Mobile R., AL	USA	cw sitor-id	ti25
12597	1945	9VG	Singapore R.	SNG	cw sitor-id	ti25
12597,5	1946	UFN	Novorossiisk R.	RUS	cw sitor-id	ti25
12598	1947	SPA	Gdynia R.	POL	cw sitor-id	ti25
12599,5	0912	UAT	Moskva R.	RUS	cw sitor-id	ti25
12600,5	1949	HEC	Bern R.	SUI	cw sitor-id	ti25
12601	1950	ZSC	Capetown R.	AFS	cw sitor-\clover-id	ti25
12602,5	1951	IAR	Roma R.	I	cw sitor-id	ti25
12603,5	0916	SVS	Athinai R.	GRC	cw sitor-id	ti25
12604,5	1952	WLO	Mobile R., AL	USA	cw sitor-id	ti25
12606	1953	WLO	Mobile R., AL	USA	cw sitor-id	ti25
12607	0917	GKQ5	Portishead R.	G	cw sitor-id	ti25
12607,5	0920	WNU	Slidell R., LA	USA	cw sitor-id	ti25
12608	0921	UAT	Moskva R.	RUS	cw sitor-id	ti25
12609,5	1955	WLO	Mobile R., AL	USA	cw sitor-id	ti25
12610,5	1151	VCT	Tors Cove R.	CAN	cw sitor-\clover-id	ti25
12613	1152	XSQ	Guangzhou R.	CHN	cw sitor-id	ti25
12615	0932	USU	Mariupol R.	UKR	cw sitor-id	ti25
12624	1959	SAB	Gothenborg R.	S	cw sitor-\clover-id	ti25
12629	2000	KHF	Guam R.	GUM	cw sitor-\clover-id	ti25
12634,5	1649	TAH	Istanbul R.	TUR	cw sitor-id	ti25
12639,5	2003	OST	Oostend R.	BEL	cw sitor-id	ti25
12654	0815	TAH	Istanbul R.	TUR	cw/Sitor 100/170	ti25+ewAU
12658	1154	UDK2	Murmansk R.	RUS	cw sitor-id	ti25
12662	2007	7TF8	Boufarik R.	ALG	cw-cq DE 7TF4 ...	ti25
12673,5	2009	CLA	Habana R.	CUB	cw id cq D CLA CLA..	ti25
12675,5	1651	A4M	Muscat R.	OMA	cq-de A4M DE A4M	ti25
12678	2013	9MG3	Penang R.	MLA	cw-cq	ti25
12680,3	2015	8PO	Barbados R.	BRB	cw sitor-\clover-id	ti25
12687	0946	OFJ	Helsinki R.	FIN	cq-de OFJ QSX 16 MHZ K	ti25
12698	1843	ZSC	Capetown R.	AFS	cw-cq DE ZSC ...	ti25
12700	2018	XSQ	Guangzhou R.	CHN	cw-cq DE XSQ PLS UP ...	ti25
12709	1157	A9M	Bahrain R.	BHR	cw-cq DE A9M CQ DE A9M	ti25
12712	2021	HLF	Seoul R.	KOR	cw sitor-\clover-id	ti25
12714	0837	UCE	Arkhangelsk R.	URS	cw/Sitor	ewAU
12719,8	1655	ZLO	Ny Auckland	NZL	cw-vvv DE ZLO..	ti25
12727,5	2027	LGJ	Rogaland R.	NOR	cw-cq DE LGW LGJ	ti25
12728,5	0852	PPR	Rio R.	B	cw-Station Marker	ewAU
12735	0950	URL	Sevastopol R.	UKR	cw-cq DE URL URL ...	ti25
12735	0839	URL	Sevastopol	URS	cw-Station Marker	ewAU
12738,5	2029	PPR	Rio de Janeiro R.	B	cw-vvv	ti25
12748	0952	IRM	Roma Medico R.	I	cw-vvv IRM ...	ewAU+ti25
12749,8	0817	CWA	Cerrito R.	URG	cw-Station Marker	ewAU
12750	0822	NIK	USCG Boston	USA	cw-Station Marker	ewAU
12780	1847	D3E61	Luanda R.	AGL	cw-cq DE D3E61 QSX...	ti25
12780,5	0956	9AR	Rijeka R.	HRV	cw-vvvDE 9AR 3 8 9 TFC	ewAU+ti25
12801	2312	TAH	Istanbul R.	TUR	cw-Station Marker	ti25+ewAU
12808,5	1849	VTG	Ny Mumbai	IND	cw-vvv VTG4...	ti25
12829,5	0925	XFM	Manzanillo R.	MEX	cw-Station Marker	ewAU
12835,5	0959	GKB	Portishead R.	G	cw-vvv DE GKB	ti25
12843	1222	HLO	Seoul R.	KOR	cw-cq	ti25
12849	1851	ZSJ	Ny Capetown	AFS	cw-cq DE ZSJ...	ti25
12855	1001	UBF2	St. Petersburg R.	RUS	cw clg VLT3	ti25
12856	1225	XSG	Shanghai R.	CHN	cw-cq DE XSG ...	ti25
12935	1229	HLG	Seoul R.	KOR	cw-cq DE HLG ...	ti25
12939	1008	SPE	Szczecin R.	POL	cw-cq DE SPE ...	ewAU+ti25
12954	0900	XSG	Shanghai R.	CHN	cw-Time Signal Marker	ewAU
12966,8	1234	A7D	Doha R.	QAT	cq-de A7D DE A7D	ti25
12969	1235	XSV	Tianjin R.	CHN	cq-de XSV PLS UP...	ti25
12970,5	1237	PKX	Jakarta R.	INS	cw cq DE PKX ...	ti25
12984	1238	4XZ	Ny Haifa	ISR	cw-vvv	ti25
12988,5	1023	LPD88	General Pacheco	ARG	cw-Station Marker	ewAU

EUNL1999

13011	1156	IAR	Roma R.	I cw-cq DE IAR ...	ti25
13015,5	0902	IAR	Rome R.	I cw-Station Marker	ewAU
13020,4	1240	VRX60	Hongkong R.	CHN cw-cq DE VRX ...	ti25
13022	0905	SPE63	Sczzenin R.	POL cw/Sitor	ewAU
13029	1227	SVB5	Athens R.	GRC cw-QSX 14035 khz, CQ HAMS	aleU
13055	0907	UTQ7	Kiev R.	URS cw-Station Marker	ewAU
16807	1608	9VG	Singapore R.	SNG cw sitor-id	ti25
16807,5	1610	GKE6	Portishead R.	G cw sitor-id	ti25
16808	1017	SPA	Gdynia R.	POL cw sitor-id	ti25
16809,5	1201	EAD	Madrid R.	E cw sitor-id	ti25
16809,5	1612	VIP	Perth R.	AUS cw sitor-\clover-id	ti25
16811,5	1021	A9M	Bahrain R.	BHR cw sitor-id: DE A9M TLX	ti25
16812	1641	WLO	Mobile R., AL	USA cw sitor-id	ti25
16812,5	1615	NRV	USCG Agana	GUM cw sitor-id	ti25
16813	1204	UAT	Moskva R.	RUS cw sitor-id	ti25
16814,5	1023	HEC	Bern R.	SUI cw sitor-id	ti25
16815	1644	9VG	Singapore R.	SNG cw sitor-id	ti25
16815,5	1024	OXZ	Lyngby R.	DNK cw sitor-id	ti25
16816	1646	ZSC	Capetown R.	AFS cw sitor-\clover-id	ti25
16816,5	1647	NMC	USCG Point Reyes, CA	USA cw sitor-id	ti25
16817,5	1648	KPH	San Franzisco R.,CA	USA cw sitor-id	ti25
16818,5	1025	9VG	Singapore R.	SNG cw sitor-id	ti25
16819,5	1336	NMN	USCG Chesapeake, VA	USA cw sitor-id	ti25
16820	1205	IAR	Roma R.	I cw sitor-id	ti25
16821	1335	VRX	Hongkong R.	CHN cw sitor-id	ti25
16821,5	1044	OXZ	Lyngby R.	DNK cw sitor-id	ti25
16822,5	1045	9VG	Singapore R.	SNG cw sitor-id	ti25
16825	1046	WCC	Chatham R., MA	USA cw sitor-\clover-id:VCT\WCC	ti25
16826	1047	ESA	Tallin R.	EST cw sitor-id	ti25
16828	1208	WLO	Mobile R., AL	USA cw sitor-id	ti25
16829	1337	USU	Mariupol R.	UKR cw sitor-id	ti25
16830	1049	HEC	Bern R.	SUI cw sitor-id	ti25
16830,5	1338	SVT	Athinai R.	GRC cw sitor-id	ti25
16833	1212	WLO	Mobile R., AL	USA cw sitor-id	ti25
16836,5	1215	WLO	Mobile R., AL	USA cw sitor-id	ti25
16838,5	1339	9AR	Rijeka R.	HRV cw sitor-id	ti25
16839,5	1659	UFN	Novorossiisk R.	RUS cw sitor-id	ti25
16840,5	1052	UJE	Nizhnij-Novgorod R.	RUS cw sitor-id	ti25
16841,5	0500	8PO	Barbados R.	BRB cw/Sitor wx-Info	ti25+ewAU
16868	1343	9VG	Singapore R.	SNG cw sitor-id	ewAU+ti25
16869	1342	KHF	Guam R. Agana	GUM cw sitor-id, very weak	ewAU+ti25
16879	1059	LZW	Varna R.	BUL cw sitor-id: DE LZW LZW	ti25
16880	1344	XSQ	Guangzhou R.	CHN cw sitor-id	ti25
16883	1101	OST	Oostend R.	BEL cw sitor-id	ti25
16892	1346	XSG	Shanghai R.	CHN cw sitor-id	ti25
16898	1347	XSG	Shanghai R.	CHN cw sitor-id	ti25
16898,5	1223	UAT	Moskva R.	RUS cw sitor-id	ti25
16923,8	1352	OFJ	Helsinki R.	FIN cw OFJ QX 16 MHZ K	ti25
16932	1354	7TF8	Boufarik R.	ALG cw-cq DE...	ewAU+ti25
16942,5	1225	9AR	Rijeka R.	HRV cw-vvv DE 9AR 3\5\7 ...	ti25
17010	1358	TBO	Ny Izmir	TUR cw-vvv TBJ ...	ti25
17021,5	1231	TAH	Istanbul R.	TUR cw id CQ CQ DE TAH TAH ...	ti25
17090	0734	UKK3	Nakhodka R.	URS cw-Station Marker	ewAU
17105	0752	IAR	Rome R.	I cw-Station Marker	ewAU
17113	0737	GKB	Portishead R.	G cw-Station Marker	ewAU
17172,4	1425	9MG11	Penang R.	MLA cq-de 9MG QX ...	ti25
17175,2	1426	A9M	Bahrain R.	BHR cw-cq DE A9M CQ DE A9M	ti25
17206,1	0755	IAR	Rome R.	I cw-Station Marker	ewAU
17227,6	1428	ZLO	Ny Auckland	NZL cq-de ZLO ZAY A1A 4 AR	ti25
17231,3	0805	CWA	Cerrito R.	URG cw-Station Marker	ewAU
17239,7	1432	PKX	Jakarta R.	INS cw-cq DE PKX...	ti25
19685,5	1442	WLO	Mobile R., AL	USA cw sitor-id	ti25
22387,5	0907	SVU	Athens R.	GRC cw-Marker	ewAU
22723	1105	JFA	Funabashi R.	J USB Telephone Call	ewAU

A E R O (Ground - stations)

3413 0020 Shannon Volmet IRL USB id, wx, forecast Rome ti25

## EUNL1999

3458	1117		Shanghai Volmet	CHN	USB	Volmet Forecast	ewAU	
4645	1925		Tallin Volmet	EST	USB	INFORMATION CHARLIE	ti25	
4666	2000		Naha (Tokyo) Air	J	wkg	Singapore flight	alEU	
4712	1914		Volgograd Radio	RUS	wkg	Kolsovo Radio, r/chk	alEU	
4712	1914		Orenburg Radio	RUS	wkg	Kazan Radio, r/chk	alEU	
5290	2018	SDJ	Stockholm Radio	S	USB	pp to LUFTHANSA 720	ti25	
5450	0200	MVU	RAF Upavon Volmet	G	USB	id, wx for Belfast	ti25	
5505	1941		Shannon Volmet	IRL	USB	wx for Bergen	ti25	
5517	0205		Aero Sanaa	YEM	USB	wkg unid, posrep	ti25	
5517	0206		Aero Tripoli	LBY	USB	clg Cairo, flightinfo	ti25	
5532	2136		CSA Praha	CZR	USB	wkg unid flight, weak	ti25	
5532	2153	OKL	Praha Radio/CSA LDOC	CZE	wkg-GC, =OK-XGC	Boeing 737	alEU	
5574	1135		San Francisco Aero	USA	USB	United 816 Clg Pos rprtewAU		
5586	1511		Russ./CIS Domestic Air	RUS	Net, YLs/Russian		alEU	
5596	1425		Archangelsk Air	RUS	YL	Russian, wkg unid	alEU	
5596	1411		Leshugonskoye Air	RUS	id `Lesugonsk`	, wkg Arch.	alEU	
5628	1107		Tokyo Aero	J	USB	clg Continental 8	ewAU	
5673	1114		Beijing Volmet	CHN	USB	Volmet Forecast	ewAU	
5680	0751		RCC Kinloss	G	USB	wkg RESCUE-STANDBY	ti25	
5684	1517		RAF Neatishead	G	tracking	infos to 3-graphs	alEU	
5685	1102	BT9P	RAF Finningley	G	USB	wkg Y2F, timesced	ti25	
			(also Cranwell, Finningley is closed since years, ed)					
5685	1522	MKH5	RAF Cranwell	G	USB	wkg 703, wx	ti25	
5685	0920	BT9P	RAF Domine Ops Cranwell	G	msg	to Combine, Volmet	alEU	
5687	1503	DHO23	AF Landsberg	D	USB	clg DHM91, flight-info	ti25	
5687	0920	NI81	GAF Piacenza	I	wkg	DHM91 to check `AC F1`	alEU	
5687	0921	DHO23	GAF Landsberg	D	wkg	DHM91, id `23` . r/c	alEU	
5687	1041	DHO32	GAF Wunstorf	D	wkg	DHO23 `23`, check F1	alEU	
5687	1119	DHO60	GAF Hohn	D	wkg	DHM91 `91`, id: 60ti25+alEU		
5687	1020	DHM91	GAF Muenster	D	wkg	GAF 652	ti25+alEU	
5690	0932	0A	Irish Military Dublin	IRL	wkg	EIYM, C253	alEU	
5692	0933	0A	Irish Military Dublin	IRL	cw-`DE 0A`	to&end Digital	alEU	
5708	0819	ARMOR	Fy Brest-Loperhet	F	wkg-MIKE	ALPHA	alEU	
5720	1007	BT9P	RAF Domine Ops, Cranwell	G	wkg	CWL-xx	alEU	
6617	1845		Moskva Volmet	RUS	USB	YL, very overmodulated	ti25	
6617	1954		Kiev Volmet	UKR	USB	wkg wx-information	ti25	
6617	2026		Rostov Volmet	RUS	USB	wkg wx, very weak	ti25	
6693	1833	N3P	unid NATO Military	?	wkg	unid	alEU	
6706	0820	YZ	unid British MAFF	?	wkg	unid, Fishery vs rpts	alEU	
6728	1108	AJE	USAF Croughton	G	USB	wkg REACH-041, posrep	ti25	
6728	1545		unid Russian Aero?	?RUS	Aero?	tfc, often active	alEU	
6730	1253		AF Varloese	DNK	USB	wkg DANAIR, unid	ti25	
6757	0958	MKL	RAF Pitreavie	G	CW	clg 8KF, code-msg	ti25	
6760	1510	FPI	FNY St.Assise	F	wkg	4ZH, id `PI`	alEU	
8825	2044		Santa Maria Aero	AZR	USB	wkg flight info	ti25	
8829	1031		Turkish Airways Ankara	TUR	wkg	TC-JFE `FE`, no 3kHz Fq	alEU	
8837	1849		EL AL Tel Aviv	ISR	USB	wkg unid, posrep	ti25	
8861	0030		Canarias Air	CNR	wkg	unid-272, s/c CE-MP	alEU	
8888	1852		Tyumen Volmet	RUS	USB	YL, very weak	ti25	
8894	0035		Algiers Air	ALG	wkg	Springbok 220	alEU	
8894	0035		Niamey Air	NGR	wkg	Swiss Air 277	alEU	
8900	1838		unid Arab (Aero ?)	?	wkg	_Zero Zero, Aero? tfc	alEU	
8903	1104		Naha Aero	J	USB	Japanair711 clg Control	ewAU	
8903	0042		N`Djamena Air	TCD	wkg	Speedbird 56	alEU	
8903	0019	9PL	Kinshasa Air	COG	wkg	Speedbird 54	alEU	
8918	0023		Bahrain Air	BHR	wkg	Pakistan 1151	alEU	
8924	1202		LOT Warsaw LDOC	POL	wkg	SP-LMC	alEU	
8933	0045	SPRINGBOKSAA	Jo`burg LDOC	AFS	wkg	unid Springbok flight	alEU	
8936	1752		Berna Radio LDOC	SUI	wkg	unid	alEU	
8939	1958		Rostov Volmet	RUS	USB	wkg wx	ti25	
8957	1103		Shannon Volmet	IRL	USB	wx for Hamburg	ti25	
8960	1131	GKX	Portishead Radio	G	USB	wkg unid, SELCALL	ti25	
8974	1651		SpAF Vigia	E	wkg	unid, wx fr Zaragoza	alEU	
8977	1431	Yeovil Ops	RNAS Yeovilton	G	USB	wkg Navy 632, Navy 674	abNL	
8982	1658	... 03	unid NATO	?	clg	unid	alEU	
8985	1048		unid Russian, Aero ?	RUS	OM/YL, official	tfc-styled	alEU	
8986	1002	MKL	RAF Pitreavie	G	CW	TAF-wx for 8KF	ti25	
8989	1022	ONY	BAF Brussels	BEL	wkg	CH11, `Fq YJ YO active`	alEU	

## EUNL1999

8992	1422	AJO	USAF Incirlik	TUR	USB wkg EAM for THL2VW	ti25
8992	1453	CSE	PAF Lisboa	POR	wkg 0058	aleu
8992	1531	C.VERTE	FAF Villacoublay	F	wkg unid COTAM	aleu
8992	1124		unid Skandinavian, AF?	?	clg unid, Military styled	aleu
8992	1359		unid Russian	?	OM/YL, official tfc-styled	aleu
9003	0037	ALIA	Amman LDOC	JOR	wkg unid a/c	aleu
10051	1122		Gander Volmet	CAN	USB Volmet Broadcast	ewAU
11193	1456		Moskwa Air (LDOC ?)	RUS	wkg unid, id: `JA MOSKWA`	aleu
11205	1505		unid, Aero?	?	French/Arab? Aero? tfc	aleu
11212	1103	MKL	RAF Pitreavie	G	CW wkg TAF-wx	ti25
11232	1128		Canadian Mil	CAN	USB Very weak signal	ewAU
11247	1149	ARCHITECT	RAF Upavon	G	USB clg CYPRUS FLIGHTWATCH	ti25
11253	1013	MVU	RAF Upavon Volmet	G	USB wx for St.Mawgan by YL	ti25
11256	1648	HOLLOWAY	LDOC Addis Ababa	ETH	USB wkg various aircrafts	abNL
11285	1754		Chennai Air	IND	wkg Malaysian Flight	aleu
11308	1822		unid Russian, Aero ?	RUS	ment.: `Pagoda` (=weather)	aleu
11330	1826	KEA5	New York Air	USA	w/American 57, MWARA CAR-B	aleu
11339	1703		Saudia Jeddah	ARS	USB wkg Saudia 3761	abNL
11354	1712	FALCON	Gulf Air Manama	BHR	USB wkg various aircraft	abNL
11387	1700		Sydney Volmet	AUS	USB	abNL
12190	1608		Stockholm Radio LDOC	S	wkg unid-1904	aleu
12201	1134		Stockholm Radio LDOC	S	wkg Condor D-ABUI	aleu
13206	0200		AF Sydney	AUS	USB clg AF Darwin etc	ewAU
13264	1231		Shannon Volmet	IRL	USB wx for Duesseldorf	ti25
13306	1227		Perth Control	AUS	USB clg Mauritius Control	ewAU
13624	1708	EIP	Shannon Volmet	IRL	USB	abNL
13942	1705		Stockholm Radio LDOC	S	wkg viking 840, pp Ops	aleu
14745	1320		Stockholm Radio LDOC	S	wkg unid-2700,pp Tower Ops	aleu
16207	1520	SDJ	Stockholm Radio	S	USB pp to LTU-flight	ti25
16207	1417		Stockholm Radio LDOC	S	wkg Futura 106, pp Company	aleu

## A E R O (aircrafts)

5532	1846	OK-TVS	unid Aircraft, CSA ?	AIR	wkg Praha/CSA LDOC	aleu
5680	0757	SEVICE91	unid aircraft	AIR	USB wkg unid, very weak	ti25
5680	1653	Rescue 125	RAF 22 Sqn/Wattisham	AIR	Sea King/HAR 3A, w/Kinloss	aleu
5680	1438	SRG 128	RAF 202 Sqn/Leconfield	AIR	Sea King, wkg Kinloss Resc	aleu
5680	1814	SRG 131	RAF 202 Sqn/Boulmer	AIR	Sea King, wkg Kinloss Resc	aleu
5680	1219	S 137	RAF 202 Sqn/Lessiemouth	AIR	Sea King, wkg Kinloss Resc	aleu
5680	1140	Navy 177	RNFAA 819 Sqn/Prestwick	AIR	Sea King, wkg Kinloss Resc	aleu
5680	1636	S 193	RNFAA 771 Sqn/Culdrose	AIR	Sea King, wkg Kinloss Resc	aleu
5680	1220	Y 70	Swed Navy 11 Heli Div	AIR	wkg Sweden Air Rescue	aleu
5680	1205	SHF 01	unid Brit. SAR Flight	AIR	wkg Kinloss Rescue	aleu
5680	1145	SHF 003	unid Brit. SAR Flight	AIR	wkg Kinloss, to Isle of Man	aleu
5680	1810	Hotel 92	unid SAR Flight, Swed?	AIR	wkg Sweden Air Rescue	aleu
5685	0941	CWL 84	RAF Training/Cranwell	AIR	wkg BT9P, Dominie T1 a/c	aleu
5687	1042	GAF 178	GAF Flight	AIR	USB clg DHM91, posrep	ti25
5687	1057	GAF 1039	GAF Tornado	AIR	USB clg DHM91, timesced	ti25
5687	1114	GAF 182	GAF Flight	AIR	USB clg DHM91, fuelrep	ti25
5687	1123	GAF 658	GAF Flight	AIR	USB clg DHM91, posrep	ti25
5687	1449	GAF 101	GAF Tornado	AIR	USB clg DHM91, timesced	ti25
5687	0913	GAF 763	GAF Flight Hohn->Koeln	AIR	wkg DHM91, s/c GM-JP	aleu
5687	0847	KSV 1004	GAF Kosovo Operation	AIR	wkg 91, aka: `Kosovo 1004`	aleu
5690	0935	C 253	Irish Air Corps	AIR	CASA 235 a/c, wkg EIYM	aleu
6730	1055	6HG	GNY Breguet Atlantic	AIR	USB wkg DHJ59, code-msg	ti25
8825	2044	REACH-04	USAF Flight	AIR	USB clg St. Maria, posrep	ti25
8888	1757	D2-FBB	unid	AIR	wkg Luanda	aleu
8903	1827	UR-ABC	unid	AIR	id:UR-ABC,said Reg `URUCR`	aleu
8906	2046	REACH011	USAF Flight	AIR	USB wkg St. Maria, posrep	ti25
8906	1726	AME 3116	Spanish Air Force	AIR	wkg Santa Maria	aleu
8930	1529	9G-MKA	MK Airlines/MKA	AIR	wkg Stockholm, r/c, pos.UK	aleu
8989	1045	CH 11	Belgium Air Force	AIR	clg ONY (=BAF Brussels)	aleu
8989	0938	CD 01	Belgium Air Force	AIR	wkg ONY on `Yankee Gold`	aleu
8992	2128	AFP 0744	Portuguese Air Force	AIR	clg Lisboa (=PAF Lisbon)	aleu
8992	1142	Navy LD320	USN VP-10/Brunswick	AIR	w/Croughton, pp DSN 624-..	aleu
8992	1448	Navy LC004	USN VP-8/Brunswick	AIR	w/Croughton, pp DSN 727-..	aleu
10206	1547	A6-ZKM	Abu Dhabi Amiri F./AUH	AIR	clg Stockholm,pos Budapest	aleu
11175	2107	Reach 314	USAF Flight LICZ->OBBI	AIR	wkg Thule, #92-03291, C-17	aleu

## EUNL1999

11175	1500	HF20	unid USAF? Flight	AIR	wkg	Croughton, pp Rota	aLEU
11175	1457	Reach T2	unid USAF Flight	AIR	wkg	Cr., to Incirlik (C141)	aLEU
11175	1502	Reach Z2	unid USAF Flight	AIR	wkg	Cr., to Rota	aLEU
11175	1448	Gold 103	unid USAF Flight	AIR	wkg	Incirlik, pp Moron	aLEU
11175	1401	JGO 13	USAF/SFOR Flight	AIR	wkg	Croughton, id: `Jago`	aLEU
11175	1121	JM 152	USN VR-24/Sigonella	AIR	wkg	Croughton	aLEU
11300	1843	DSR 401	Das Air Cargo (Uganda)	AIR	wkg	Khartoum	aLEU
11345	1815	A6-SMR	Dubai Air wing/UAF	AIR	wkg	Stockholm, QSY 8930	aLEU
11345	1545	CN-ANO	Roy.Moroccan Air Force	F	AH-BL	Falcon 50, at Paris	aLEU
11345	1450	A7-AHM	Qatar Amiri Flight/QAF	AIR	w/St., B-747, aka: Qatare	HM	aLEU
11345	1542	Reach 20A	Arrow Air/APW fr USAF	AIR	c/s: N791AL, EGUN to KWRI		aLEU
11345	1157	D-ACJB	Lufthansa CityLine/CLH	AIR	wkg	Stockholm, s/c: LM-BK	aLEU
11345	1315	HB-VMG	TASair (anymore infos?)	AIR	wkg	Stockholm, s/c: MQ-BF	aLEU
11345	1205	I-LXGR	Eurofly Service/EEU	AIR	wkg	Stockholm, over Turin	aLEU
11345	1600	OO-LTY	Virgin Express/VEX	AIR	wkg	St., pp Brussels Ops	aLEU
11345	1624	EC-GXR	Futura Int'l Airw./FUA	AIR	clg	Stockholm	aLEU
11345	1832	SU-GBJ	Egypt Air/MSR 2791	AIR	w/St., pos SOR, Cairo-Rome/F		aLEU
11345	1710	MNB 921	MNG Air Cargo, Turkey	AIR	wkg	Stockholm, pp HLA Ops	aLEU
11345	1715	Norske 235	Norsk Helikopter/NOR	AIR	wkg	St., pp Ops Stavanger	aLEU
20770	1557	JGI27	Netherlands AF/SFOR	AIR	wkg	Stockholm, pp Ops	aLEU

RNFAA: Royal Navy Fleet Air Arm / `Marineflieger`

## DIGITAL

129,5	2003	SOA212	Warszawa Meteo	POL	rtty	50/170 METAR	zeTC
141,4	2136		unid, NATO (?)	?	RTTY	75 encr. tfc	ti25
518	2036	TAH	Istanbul R.	TUR	navtex/100	ZCZC DA77 nav	zeTC
1894,7	2217		unid, NATO?	?	PSK	300 ? very strong sig.	ti25
2243	2232		unid, Navy?	?	RTTY	75 strong sig., encr.	ti25
2572,5	2327		unid, tent. NATO	?	RTTY	75 encr. tfc	ti25
2592	2330	DHJ51	Meteo Gregel (tent.)	D?	PSK	300 Did they shift?	ti25
2618,5	0153	GFE25	Bracknell Meteo	G	fax	120/576 wind forecast	zeTC
2829,5	2032	SPB28	Szczecin R.	POL	sitor-B/100de	SPB blind end	zeTC
3360	2045	RPNN71	Kiev Meteo	UKR	fax	90/576 surface analysis	zeTC
3365	1025	JMJ	Tokyo Meteo	J	FAX	120/576 wx-map	ewAU
3385	0017	DHM72	Meteo Gregel (tent.)	D?	PSK	300 Seems the shifted!	ti25
3622,5	1027	JMH	Tokyo Meteo	J	FAX	120/576 wx-map	ewAU
3815,2	0222	FDI8	AF Nice	F	R50/425:	RY, Le Brick	aLEU
3820,5	2130	NRK	USNy Keflavik	ISL	fax	120/576 progn.analysis	zeTC
4307	1956	GYA	DCN Northwood	G	fax	120/576 gale summary	zeTC
4316	1029	JJC	Tokyo Meteo	J	FAX	120/576 wx-map	ewAU
4365	2113	RPJ78	Tashkent Meteo	UZB	fax	90/576 vertical motion	zeTC
4601,5	1748	FDY	AF Orleans	F	R50/425:	RY, Le Brick	aLEU
4780	0130		unid, Navy? NATO?	?	PSK	NATO-broadcast?	ti25
5077,5	1625	FDG	AF Metz	F	R50/425/R:	RY, Le Brick	aLEU
5096,8	0000	CFH	CF Halifax	CAN	R75/800:	NAWS-mkr	aLEU
5184	1513	FDY	AF Orleans	F	R50/425:	RY, Le Brick	aLEU
5229,5	0146		unid, NATO? Navy?	?	RTTY	75 cont. encrypted	ti25
5237,5	0148		unid,	?	PSK	300? NATO-broadcast?	ti25
5257,5	1359	FDI22	AF Narbonne	F	R50/425:	RY, Le Brick	aLEU
5280	0150		unid, military?	?	PSK	300? very strong sig.	ti25
5293	0218	FDI8	AF Nice	F	R50:	RY, Le Brick	aLEU
5312	1433	DFZG	MFA Belgrade	YUG	R75/425/R:	RY,QTC after XY	aLEU
5333,8	0153		unid, NATO? Navy?	?	PSK	300? heavy fading	ti25
5336,2	1801	FDI8	AF Nice	F	R50/425:	RY, Le Brick	aLEU
5392,	0929		unid	?	R50:	RYRY QRJ2? QTC 2--	aLEU
5405	1023	JMJ2	Tokyo Meteo	J	FAX	120/576 wx-map	ewAU
5429,5	0158		unid, NATO-broadcast?	?	RTTY	75 cont. encrypted	ti25
5437	1455	FDI8	AF Nice	F	R50/425:	RY, Le Brick	aLEU
5730,8	1133	FDI22	AF Narbonne	F	R50/425/R:	RY, Le Brick	aLEU
5831	1500		unid Tunesian MOI	TUN	R50:	Arab msgs	aLEU
5832a	1138		unid Bulgarian Diplo	?	R75:	RYRY, `ZAR 600`	aLEU
6348,x	2134	RFKFE	Ny Brest tent	F	rtty	75/850 clg FAAA	zeTC
6410,5	0244		unid, NATO-broadcast?	?	PSK	300 strong, but fading	ti25
6524,5	2055		UNID	?	rtty	75/850 E foxes only	zeTC
6792	1432	DFZG	MFA Belgrade	YUG	R75/425/R:	RY,QTC after XY	aLEU
6830	1724		PETRA Amman	JOR	R50/425:	E Press	aLEU
6837	1145	FDG	AF Metz	F	R50/425/R:	RY, Le Brick	aLEU

## EUNL1999

6864	1539	FAPSI/Russian Intell.	?RUS	R75/425/R:5	LGS,Link:80061	aLEU
6876	1610	FAPSI/Russian Intell.	?RUS	R75/425: RY	`VKX 1/119`	aLEU
6964	,2 1410	Unid	?	Sitor 100/170	Encr Msgs	ewAU
6990	1547	FDG	F	R50/425/R: RY,	Le Brick	aLEU
7436	1362	unid, NATO?	?	RTTY 75	encr. ship-shore?	ti25
7510	,3 1658	HZN	ARS	rtty 100/400	SYNOP Reports	zeTC
7535	1401	AXI33	AUS	fax 120/576	sea sufc temp	zeTC
7646	1713	DDH7	D	rtty 50/425	E/G nav wrng	zeTC
7784	,2 1151	KAWN	USA	rtty 75/850	Meteo info	ewAU
7975	1355	SPW	POL	sitor-B/100	tfc list	zeTC
8417	2135	GKE4	G	sitor-B/100	wx	zeTC
8419	2140	VIP33	AUS	sitor+cw-id	+ clover	zeTC
8420	,5 1233	HEC18	SUI	sitor-B/100	tfc list	zeTC
8421	,5 2146	LZW44	BUL	sitor-B/100	tfc list	zeTC
8423	1035	UFW	RUS	FEC	Currency Information	ewAU
8427	,5 1453	SPA41	POL	sitor-B/100	tfc list	zeTC
8430	1027	XSG	CHN	Sitor-A100/170	msgs to shipewAU	
8430	1640	UJE	RUS	sitor+cw-id	de UJE	zeTC
8434	2214	TAH	TUR	sitor-B/100	tfc list	zeTC
8467	,5 1035	JJC	J	FAX 120/576	wx-map	ewAU
8551	,7 0828	CTP	POR	rtty 75/850	ctp de naws	ewAU
8556	1448	SAB44	S	sitor-A/100	MARITEX	zeTC
8642	,2 0823	MGJ	G	rtty 75/425	03 etc de MGJ	ewAU
9095	,5 1814	GXQ	G	rtty 50/170	VFT test de GXQ	zeTC
9130	1808	MGJ	G	rtty 75/380	CARB msgs, id	zeTC
9300	1412	Encrypted Text	Unk	? 75/850	Encrypted Text	ewAU
9438	1037	JMJ3	J	FAX 120/576	wx-map	ewAU
9907	1551	RCW79	KAZ	fax 60/576	prognoz volenenizeTC	
10177	,7 1058	RFFA	F	Arq-E3 192/425	Idling Only	ewAU
10198	,2 2215	MKK	G	rtty 50/170	Ryi Foxes	ewAU
10407	1228	IPS Beacon	AUS	rtty Modes and cw	Test Sig.ewAU	
10555	2120	AXI34	AUS	fax 120/576	500 hpa analysisizeTC	
10856	,9 1327	GXQ	G	rtty 50/170	ryi Foxes	ewAU
10952	0815	HDB20	SUI	Sitor-A 100/170	5 Ltr grps	ewAU
10963	0817	HDB20	SUI	Sitor-A 100/170	Encr Msgs	ewAU
10969	0821	HDB20	SUI	Sitor-A 100/170	5 Ltr grps	ewAU
10971	0818	HDB20	SUI	Sitor-A 100/170	5 Ltr grps	ewAU
11030	2050	AXM34	AUS	fax 120/576	wind analysis	zeTC
11080	1450	YKP28	SYR	rtty 50/425	E nx	zeTC
11110	,5 1140	RFLI	MRT	Arq-E3 192/425	Idling Only	ewAU
11123	0958	unid, NATO Airforce?	?	RTTY 75	encr. air-ground	ti25
11541	,7 1142	RFLI	MRT	Arq-E3 100/425	Idling Only	ewAU
11591	,4 1307	Unknown	?	E 72/90	Idling Only	ewAU
12196	,7 1241	RFHJ	OCE	E3 96/425	Idling Only	ewAU
12585	1502	NRV	GUM	sitor+cw-id		zeTC
12591	,5 1040	UFL	URS	Sitor-A100/170	msgs to shipewAU	
12594	2242	UDB2	RUS	sitor+cw-id	de UDB2	zeTC
12610	,5 2105	VCT	CAN	sitor-B/100	tfc list	zeTC
12629	1715	KHF	GUM	sitor-B/100	tfc list	zeTC
12647	2254	LPD	ARG	sitor+cw-id		zeTC
12691	,3 1127	FUX	REU	rtty 75/850	Ry Sg de Fux	ewAU
12790	0818	NMG	USA	FAX 120/576	wx-map	ewAU
12818	0818	SAB63	S	Sitor-A100/170	msgs to shipewAU	
12823	,9 0821	CTP	POR	rtty 75/850	CTP de naws	ewAU
12840	,5 1106	PBC312	HOL	rtty 75/850	msgs id	ewAU+zeTC
12857	,2 0711	6WW	SEN	rtty 75/850	Ry Sg Line TestewAU	
12903	2208	RBSL	IND	rtty 50/750	vth 1/5/4/7ewAU+zeTC	
12940	,7 0855	MGJ	G	rtty 75/115	03 etc de MGJ	ewAU
13022	1655	SPB	POL	sitor-B/100	tfc list	zeTC
13846	,7 1110	RFQP	DJI	Arq-E3 100/425	Idling Only	ewAU
13943	,7 0910	FDY	F	rtty 75/850	Ry ten Count	ewAU
13977	,7 1111	RFFUAJ	F	Arq-E3 200/425	Idling Only	ewAU
14626	,7 1113	RFLI	MRT	Arq-E3 192/425	Idling Only	ewAU
14692	,5 1041	JMJ4	J	FAX 120/576	wx-map	ewAU
16035	1647	9VF252	SNG	fax 60/576	sunday newspaperzeTC	
16270	1525	unid NATO, Navy?	?	RTTY 75	encr. ship-shore	ti25
16275	0957	Unid Sitor Sys	?	Sitor-A 100/170	off At 1000ewAU	
16806	,5 1525	NRV	GUM	sitor-B/100	nav warnings	zeTC

EUNL1999

16806,5	1810	NMC	CAMSPAC Pt. Reyes	USA sitor-B/100 nav warnings	zeTC
16817	2041	WCC	Globe Chatham R.	USA sitor-B/100 WCC SITOR 1621	zeTC
16840,5	0930	UJE	Nizhnij Novgorod R.	RUS sitor-B/100 tfc list	zeTC
16958	0904	FUJ	Ny Noumea	NCL rtty 75/850 ry de FUJ testizeTC	
16986,4	0825	CTP	Oeiras Naval	POR rtty 75/850 CTP de naws	ewAU
17066,5	1141	A9M	Hamala R.	BHR Sitor-A 100/170 msg to ShipewAU	
17069,6	1047	JJC	Tokyo Meteo	J FAX 120/576 wx-map	ewAU
17101,7	0717		MFA Cairo?	EGY?Sitor-A 100/170 Arabic msgsewAU	
17156,7	0744		MFA Cairo?	EGY?Sitor-A 100/170 Arabic msgsewAU	
17180	0747	FUG	Ny La Regine	F rtty 75/850 Ry Sg Line TestewAU	
17481	1114		Unknown	URS 81 Baud 81/489	ewAU
18042,7	0830	RFTJD	FF Libreville	GAB Arq-E3 192/425 Idling Only	ewAU
18254	0740	SUU20	Cairo Meteo	EGY rtty 100/850 SYNOP Reports	zeTC
18579,7	1153	RFHI	FF Noumea	NCL Arq-E3 100/425 Idling Only	ewAU
18648,5	1804	SOT265	PAP Warszawa	POL sitor-B/100 Pol nx	zeTC
18980,5	1145		G Mil	G Picollo 6 Idling Only	ewAU
18986,7	1143	RFHJ	FF Papeete	OCE Arq-E3 100/425 Idling Only	ewAU
19204,7	1143	RFLI	FF Fort-de-France	MRT Arq-E3 100/425 Idling Only	ewAU
19498,7	1152	RFHJ	FF Papeete	OCE Arq-E3 100/425 Idling Only	ewAU
19635	1159	P6Z	MFA Paris	F FEC-A 192/425 5 Ltr grps	ewAU
19910	0940	HLF	Globe Seoul R.	KOR sitor+cw-id	zeTC
20179,7	1138	RFFA	MOD Paris	F Arq-E3 100/425 Idling Only	ewAU
20286,5	1810	SOV228	PAP Warszawa	POL sitor-B/100 Pol nx	zeTC
20633,7	1147	RFVI	FF Saint Denis	REU Arq-E3 100/425 Idling Only	ewAU
20780	0920	P6Z	MFA Paris	F FEC-A 192/425 5 Ltr grps	ewAU
20856,7	1153	RFQP	FF Djibouti	DJI Arq-E3 200/425 Idling Only	ewAU
20933,5	1400	SOV293	PAP Warszawa	POL sitor-B/100 Pol nx	zeTC
22370	1548	HZN50	Jeddah Meteo	ARS rtty 100/750 AAXX SYNOP	zeTC
22377,5	1526	KFS	Globe Palo Alto R.	USA sitor-B/100 tfc list	zeTC
22447	1536	FUV	FNy Djibouti	DJI rtty 75/850 testing de FUV	zeTC
22537	1543	FUF	Ny Fort de Framce	MRT rtty 75/850 ry sg de FUF	zeTC
22542	1032	JJC	Tokyo Meteo	J FAX 120/576 wx-map	ewAU

T I M E S I G N A L

60	2128	MSF	NPL Teddington/Rugby	G TS	zeTC
60,7	2135	RBU	Moskva	RUS TS	zeTC
3213	2359		unid, timesignal	RUS CW Moskovian time, UTC+3	ti25
4073,1	0045		unid, timesignal	RUS CW HHMM, cont, UTC + 3hrs	ti25
5015	1819		unid, timesignal	RUS CW =99HHMM??0????,UTC+3hrs	ti25
7335	0420	CHU	NRC Ottawa	CAN E/F OM id + TA	zeTC

Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
BHR-BATELCO Bahrain R.	21	cd,brochure	8541	A9M		aLEU
CAN-NRS Halifax Meteo	146	QSL-sheet/ms,vc	10536	CFH		zeTC
CEU-NDB Ceuta	117	ppc direct(hrd in E)	305,7	`CE`		ai47
CHN-Tianjin Radio	312	QSL-letter/SAE	8600	XSV	5000 w	gsLX
D -MARS Seligenstadt	488	ppc,vc	3883,5	AEM1MT	100 w	ai47
D -NDB Barth	9	f/d lt,ppc,vc/SASE,vc	373	`BTH`	100 w	zeTC
DOM-NDB Santo Domingo	119	ppc direct-5 f/ups	400	`HIV`	400 w	ai47
DOM-NDB Santo Domingo	119	ppc direct-5 f/ups	410	`HER`	50 w	ai47
E -NDB Cabo Silleiro	119	lt via cen-ads	293,5	`RO`		ai47
EGY-Alexandria Radio	40	scd,ltr,ppc	12970	SUH		ti47
F -CROSS Etel	46	ppc,lt	5680		750 w	ai47
F -CROSS Jobourg	52	ppc,info,sticker/SASE	2182		400 w	gsLX
F -NDB Morlaix	12	f/d lt ff rprrt f/up	371	`MLX`		lrG
F -Ny La Regine	102	lt	8453	FUG		ai47
G -Portishead Radio	16	qsl-ltr,ppc,scd	4274	GKB	5000 w	ti47
GRC-Athinai R.	25	QSL-sheet/vc	8424	SVU3	30000 w	zeTC
HOL-NCG Ijmuiden	40	f/d lt,info,pencil,sti	518	PBK	800 w	zeTC
HOL-Netherlands CG	16	ltr,pc,sti,pen	518	PBK	800 w	ti47
HOL-Ny Goree Island	30	p/d Q/vc	8439	PBC32		zeTC
HOL-Scheveningen R.	80	QSL for Farwell Day	3687	PCH/PA6PCH		ai47
HOL-Scheveningen Radio	81	QSL,ppc/SASE	3687	PCH/PA6PCH	4000 w	gsLX
I -Roma Medico Radio	9	ppc,brochure	12748	IRM		ti47



## EUNL1999

INS-Jakarta Radio	111	ltr	17239.5	PKX	1000	w	ti47
ISL-Iceland Radio (Air)	135	cd (via Gufunes)	8891	TFW	10000	w	alEU
ISL-Reykjavik Radio	135	cd (via Gufunes)	13119	TFA	10000	w	alEU
IW -MV Birling	53	ppc/SASE	2182	GXAA			gsLX
IW -MV Guimaraes	83	ppc,photos/SAE	2182	P3TJ7	200	w	gsLX
IW -MV Havila Scotia	38	ppc/SASE	2182	C6PX7			gsLX
IW -MV Havila Searcher	99	ppc/SASE	2182	C6PX3			gsLX
IW -MV Havila Trader	119	ppc/SASE	2182	C6PX6			gsLX
IW -MV Nova	61	ppc/SASE	2182	GZKG			gsLX
IW -MV Putford Puffin	66	ppc/SASE	2182	MQAT2			gsLX
IW -MV Scotian Shore	53	ppc,letter/SASE	2182	J8RE7	150	w	gsLX
IW -MV Stril Clipper	98	ppc/SASE	2182	LARS			gsLX
IW -MV Strilfisk	81	ppc/SASE	2182	3YQJ			gsLX
IW -MV Timimoun	91	ppc/SASE	2182	7THA	400	w	gsLX
IW -Walton Lifeboat	45	ppc,letter,photo/SASE	2182				gsLX
MLT-NDB Gozo	21	ppc/vc	320	`GZO`	80	w	zeTC
MLT-NDB Saitu Rokku	21	ppc	416	`LQA`	100	w	zeTC
NOR-Bergen Radio	86	ppc,info,photos/SASE	1728	LGN	1000	w	gsLX
NOR-Rogaland R.	119	ppc/vc	8574,8	LGB	10000	w	zeTC
POL-LDOC LOT Warszawa	345	ppc,vc	8924		1000	w	ai47
POL-Szczecin Radio	39	ppc, sced	8557	SPB	10000	w	ti47
RUS-Irkutsk Volmet	60	ppc,vc	13267				ai47
SUI-Bern Radio	26	ppc,brochure	8419.5	HEC			ti47
UKR-Mariupol R.	23	cd	22395	USU	5000	w	zeTC
USA-ARINC New York Air	25	lt	11342	KEA5	5000	w	alEU
USA-CAMSPAC Pt. Reyes	18	cd,lt,schedule/vc	17151,2	NMC	10000	w	zeTC

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:

We have to welcome another paperversion subscriber from Switzerland: OM Ewald (egCH). Wishing you a lot of fun!!!!

## Addresses/Infos/Veri-signers:

CROSS Etel: Av. Louis Bougo, Chateau de la Garenne, F 56410 Etel (ai47)  
 CE NDB Ceuta: Faro de Punta Almina, Monte Hacho, E- 11701 Ceuta (ai47)  
 NDB's DOM: Santo Domingo Aeropuerto, Direccion General de Aviacion Civil, Edificion Telecomunicaciones, Isabel la Católica 73, Santo Domingo (ai47)  
 AEMIMT MARS Seligenstadt: US Army MARS Station, callsign: ?????, In-care-of: HQ, 5th Signal Command, ATTN: ASQE-OP-O (MARS), APO AE 09056-3104, USA (ai47)  
 FUG Ny La Regine: Marine Nationale, Zone Maritime Mediterranee, Region Maritime Mediterranee, Centre de Transmissions de la Marine `France Sud` (ai47)  
 (v/s Andre Vialan)(ai47)  
 LOT Warszawa: Polskie Linie Lotnicze `LOT` S.A., Sluzba Centrum Operacyjnego, ul. 17 Stycznia 39, PL- 00-906 Warszawa (ai47)  
 XSV Tianjin R.: Tianjin Coast Radiostation XSV, Jiefang Door, XinGang Tanggu, Tianjin, P.R.of China (gsLX)  
 PBK CG Ijmuiden: Netherlands Coast Guard, Postbus 303, NL-1970 AH Ijmuiden, Netherlands (zeTC)  
 v/s=PBK Ijmuiden, Mrs.Y.v. Grondelle,Bureau of operation (zeTC)  
 A9M Bahrain R.: BATELCO: v/s Homa A.Rahim, Maritime Operating Centre/Bahrain Radio BATELCO, Box 14, Manama, Bahrain (alEU)  
 TFA/TFW: Gufunes Telecommunications Centre, Box 12240, 132 Reykjavik (v/s Bjoern Nielsen for Station Manager)(alEU)  
 Rem.: According to their QSL, Reykjavik Radio & the `Fishermen Broadcasts` using the Call TFA, and the Aeronautical `Iceland Radio` TFW. All of the Gufunes Telecommunications Center.  
 GZO/LQA NDB Malta= v/s Albert Borg, Malta International Airport p.l.c., Air Traffic Cntrol Centre, Malta (zeTC)  
 NMC CAMSPAC Pt. Reyes: Commanding Officer, USCG CAMSPAC Pt. Reyes, P.O.Box 560, Point Reyes Station, CA, 94956-0560, USA (zeTC)  
 3YQJ Strilfisk: Simon Mokster, Postboks 108, Skogstoastraen 37, N-4001 Stavanger (gsLX)  
 7THA Timimoun: SNTM & CNAN, 9 Quay (ex quay D`Ajaccio), BP 299, Nouvelle Gare

EUNL1999

Maritime, Algiers, Algeria (gsLX)

GXAA Birling: Stephenson Clarke Shipping Ltd, Eldon Court, Percy Street, Newcastle upon Tyne NE 99 1TD, United Kingdom (gsLX)

GZKG Nova: Boston-Putford Offshore Safety Ltd, Columbus Buildings, Waveney Road, Lowestoft, Suffolk NR32 1BS, UK (gsLX)

J8RE7 Scotian Shore: Atlantic Marine Sales & Charter Co, Counting House, Marsh Green, Edenbridge, Kent TN8 5PT, United Kingdom (gsLX)

LARS Stril Clipper: Simon Mokster Shipping AS, Postboks 108, Skogstoestraen 37, N-4001 Stavanger, Norway (gsLX)

MQAT2 Putford Puffin: Putford Enterprises Ltd., Columbus Buildings, Waveney Road, Lowestoft, Suffolk NR32 1BS, UK (gsLX)

P3TJ7 Guimaraes: Naveiro Transportes Maritimos SA, Avenida 24 de Julio 128, 1 Andar, P-1300 Lisbon, Estremadura, Portugal (gsLX)

NDB-Info from Johnny Larsson/Sweden:

331 S Skelleftea S id is not Skelleftea

I do not have this frequency in my log for north Sweden. Skelleftea is only active on 369 kHz OS. (tnx, ed)

Solved NDB EUNL 3/99: by zeTC - mny tnx!!

320a=320 GZO Gozo, MLT

368a=367 MU Magdeburg, D

375a=375,5 MGW Camp McGovern Army Helioport, BIH

398 =398 D Plzen/Line, CZE Mil/Rescue Helioport

418a=416 LQA Saitu Rokku, MLT

445 =445 TU Tuzla, BIH

\* STRANGE BEHAVIOURS..... Part 1 (ti47)

On Friday, 19/JAN/'99 I found a very interesting signal on 10472.3 kHz (see FIXED-BANDS - Log): The signal came a little bit disturbed into my RX and offered the sound of a man from France announcing all weekdays, some numbers and all months of the year. The language was French. The voice was recorded on tape (or prob. Harddisk on a computer) and ran again and again. I heard this station again on Friday, 12/MAR/'99 on 7948 with not exactly the same tape but the format was equal!

Anybody who knows details about this station? If you are interested in the signal itself send me a tape and I'll give you a copy (it's archived on DAT)!

\* STRANGE BEHAVIOURS..... Part2 (ti47)

Nearly every DX-evening tuning through the bands below 4 MHz I come across a lot of stations working in F3E (FM). Most of the stations (around 95 %) are Russian but I also found some French stations around 3,4 MHz. Most lines are simplex nets with mostly around 4 to 6 stations. The behaviour and discipline on the lines brings me to think about fishing vessels working and smalltalking (just like Dutch or German vessels on 3 MHz). These QSOs aren't spurious signals! I heard them on assorted receivers (from 500,-DM up to 100000,-DM) like Siemens RK770, NRD535 or E1800! Best results can be made in AM-mode at a bandwidth of at least 6 kHz or more (better 10 kHz) on even frequencies (e.g. 2184.0 kHz). Has anybody more information's on that? Has there ever been a Huffduffing-session to locate those stations? Information's are much appreciated!

Some Info about NDB Santa Maria/STA (supplied by OM Lionel -lrG)

Many thanks for this very interesting info, Lionel!!

OM Lionel received this letter from Eng. Miguel Silva  
(O Chefe da Divisao de Manutencao da Navegacao Aerea)

This apparatus is the most ancient of its type still working in Portugal, and may be, just may, I am not sure, the eldest in all the world.

It was originally a radio range and radiotelephone transmitter having been transformed to its actual use in the late 40's or beginning 50's, there are no records available. It is a very weak (400 watt) equipment, comparing with `STA`, and so it doesn't feel strange that the signal was very weak, and is more of a LOCATOR than a NDB being used more specifically for approach purposes than for en route navigation.

This equipment was purchased by the American government following a contract issued by the Department of Commerce Civil Aeronautics Administration in July,

EUNL1999

16, 1943, and it was installed, soon after, in Santa Maria to be used by the United States Army Air Force (as you might know it was called until late 1944 I believe). You may not know but in Santa Maria, after a request to the Portuguese government by the British government, was installed an American air base that was responsible for the final closing of what was (as is in historical terms) called the mid Atlantic gap, in which there was no air cover for the convoys that sailed from America and, at that time, was the sole hunting ground remaining for the German U-boats and their famous wolf pack tactics. In strategically terms the existence of this air base was not very meaningful for the introduction, in large numbers, of the escort carrier, made it, shortly afterwards, much less useful.

Sometime after the end of the war the Americans changed locations in the Azores, going to Lajes, Terceira Island, where they still are, but they left behind all the communications and radio navigation equipment.

Santa Maria air base, which was, from the beginning, also open to civil aviation become then just a civil airport, being, until the beginning of the 60's, the most crowded airport in Portugal, in airplane terms. Back then there were no planes that could cross the Atlantic Ocean in a single `jump` and this airport was fundamental to support that traffic.

The introduction of the Boeing 707, 2nd batch, that could fly non stop over the `bath tub` as pilots normally call to the ocean, gave a very strong punch to this airport, that lost its major reason of being.

The glamour of it revived a little in the 70's when it was used by the Concorde (from Air France only) to make a mandatory stop in a route from Paris to Buenos Aires. After that it changed its role again being used mainly, although there are still some technical stops made by commercial airplanes, by general aviation and business planes. It also has a role supporting search and rescue operations and meteorological flights. What has been a constant over the years it's a role as the home of the air navigation services in the Atlantic region, in the area under Portuguese jurisdictions.

And another thing has stayed all those years, `STA`, and in spite of having the training and the trade of an engineer I am, as you can imagine by the huge size of this letter, very fond of it. Even not having, now, all its parts as originals, some of them had to be improvised from other equipment's for there were no spares in the market, I do intend to have this equipment sent to our museum, next year, when it may be scheduled to retirement, changed for a new one.

You may have been, so, one of the last listeners, abroad, of this equipment and I was very happy to tell you part of it's history.

Inquiries Department:

OM Lionel is in need of an correct address for Hickham AFB in Hawaii. Anyone who can help should send a note to EUNL. TNX!!!

This great work was made by our (9) famous contributors: lrg, rk50, ti25/ti47, abNL, gsLX, zeTC, ewAU (Australia), aLEU, ai47

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

A.Ibold - all rights reserved ©

EUROPEAN UTILITY NEWSLETTER 6-1999

```

*****
* Editor:      Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY      *
* Tel.:        (49) 02841 / 178529 ***** e-mail: aibold@aol.com      *
* Home page:   http://members.aol.com/aibold/EUNL.htm                  *
* Treasurer:   Norbert Reiner                                          *
* Membership fees to: Badische Beamtenbank Karlsruhe                  *
* Konto Nr.:  2038005 BLZ: 66090800                                    *
* Dispatcher:  Norbert Reiner                                          *
* -----*
* Membership fees for the printed copies: payable to the treasurer    *
* Germany: 20 DM; Europe: 20 DM (13 $); Overseas: 25 $ or the equivalent in *
* foreign currency - no cheques please!!)                             *
*

```

EUNL1999

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

Good morning Ladies (?) and Gentlemen,

Since the 22nd April 99, the new and updated BIG EUNL Callsign List is available - more than 10000 callsigns in the professional EUNL look! Anyone, who has corrections or new callsigns, should not hesitate to drop me a line that I can improve this list.

Our member Ary (abNL) has created a website  
 >>The Numbers & Oddities home page<<  
 where you can download all his editions of `Numbers and Oddities` with lots of informations. The URL is:  
<http://www.geocities.com:80/CapeCanaveral/Station/5847/index.htm>

And last but not least as promised: The new and updated addresslist with lots of new addresses. A big thanks to Hans-Peter !!!!

N D B

232	even	GT	Gran Turk Intl	TCI	id	fdDOM
260	even	SC	South Caicos Intl	TCI	id	fdDOM
276,5	0213	BW	Bremen	D	id	zeTC
277	2321	GOL	Golyama	BUL	id	zeTC
289	2324	RI	Rijeka/Krk	HRV	id	zeTC
290,5	2333	VI	Cabo Villano Lt.	E	id+dash	zeTC
304	2340	ME	Pt. della Maestra Lt.	E	id+dash	zeTC
304,5	2341	MY	Cabo Mayor Lt.	E	id+dash	zeTC
306,5	2345	RS	Ristna Lt.	EST	id+dash	zeTC
315	2038	LV	Lvov	UKR	id	zeTC
328	1932	VRI	Vrchlabi	CZE	id	zeTC
330	0230	LNA	Lena	S	id	zeTC
349	2032	KSL	Kassel/Calden	D	id	zeTC
353	2038	KIL	Kiel/Holtenau	D	id	zeTC
360,5	0029	MAK	Mackel	BEL	id+dash	zeTC
376	even	ZIN	Great Inagua Island	BAH	id	fdDOM
387	even	PV	Providenciales Island	TCI	id	fdDOM
391	even	DDP	Dorado, San Juan	PTR	id	fdDOM
393	0050	TAT	Molde/Aroe/Tautra	NOR	id	zeTC
399	0054	NGY	New Galloway	G	id	zeTC
399,5	2105	ONO	Oostende	BEL	id	zeTC
400	0059	KO	Utti	FIN	id	zeTC
414	0104	SLB	Oslo/Solberg	NOR	id	zeTC
416	2045	KD	Taszar	HNG	id	zeTC
421	0109	T	Linkoeping/Saab	S	id	zeTC
429	2046	GBL	Giebelstadt	D	id	zeTC
436	0128	FRA	Sarajevo/Butmir	BIH	id+dash	zeTC
444	even	PPA	Puerto Plata	DOM	id	fdDOM
448	0134	HLV	Holesov	CZE	id	zeTC
484	0141	HOF	Hof/Pirk	D	id	zeTC
507	2106	DU	UNID	?	id 4 x 2id	zeTC
520	2024	LF	Bazhenovo	RUS	id	dmRU
523	2028	BK	Lunino	RUS	id	dmRU
525	1721	PL	Pulkovo St. Petersburg	RUS	id	jls
535	1719	KE	unid	?	id	jls
554	2031	OG	Russki Kameshkir	RUS	id	dmRU
564	2033	OK	Lyskovo	RUS	id	dmRU
579	2035	TH	Takhtalym	RUS	id	dmRU
580	1804	SE	unid	?	id	jls
591	2039	WH	Penza	RUS	id	dmRU
600	1800	KR	Krasnoborka	UKR	id	jls
617	1759	SV	Steblev	UKR	id	jls
630	2044	QT	Belokholunitsky	RUS	id	dmRU
635	1715	KO	Kotly	RUS	id	jls
635	1758	SV	Steblev	UKR	id	jls
650	2047	BJ	Astrakhan/Narimanovo	RUS	id	dmRU
650	1757	OS	unid	?	id	jls

## EUNL1999

654	2050	AK	Astana	KAZ	id	dmRU
(Astana is the new name of KAZ capital, formerly Akmola)						
659	2050	DM	Domodedovo	RUS	id	dmRU
662	2051	GO	Balandino	RUS	id	dmRU
670	2052	TA	Aktau	KAZ	id	dmRU
680	2055	BP	Chelobityevo	RUS	id	dmRU
688	2030	IP	Zakharovka	RUS	id	dmRU
696	1753	BT	Alatyr	RUS	id	jls
705	1751	KI	unid	?	id	jls
713	1750	PT	Pitch	BLR	id	jls
732	1749	QO	Aksinyino	RUS	id	jls
791	1746	SU	Beloyorsk	RUS	id	jls
885	1744	KR	unid (Kirishi,RUS)	?	id (from EUNL NDB list)	jls
905	1743	UD	unid	?	id	jls
906	1739	PE	Pechory	RUS	id	jls
910	1738	GE	unid	?	id	jls
940	1737	UD	Chudovo	RUS	id	jls
1010	1710	PT	Besovets/Petrozavodsk	RUS	id	jls
1046	1710	UR	Vologda	RUS	id	jls
1080	1730	AR	unid	?	id	jls
1215	2204	WT	Kartino	RUS	id	dmRU

(fdDOM = fd40 in Dom. Republic)

## F I X E D

3521	0035	IDR	Ny Rome	I	usb-wkg IADP, coord.fr RTT	aLEU
5002	2304	4XZ	Ny Haifa	ISR	cw-vvv de 4XZ BT BT	zeTC
5015	1045		unid Number Station		cw-2x5 fgs, end: = TTT	aLEU
5015	1030		unid Number Station		cw-mkr: `319(x3) 496TT(x3)`	aLEU
5038	0945		unid Number Station		cw-mkr: `274(x3) 81335(x3)`	aLEU
5121	0948	`DQPT`	unid		cw-clg M5RT fr QTC 492	aLEU
5206	0815	MXU	unid brit. RNY	G	usb-msg to ALL SHIPS	aLEU
5206	0815	`CONTROL`	unid brit. RNY	G	usb-wkg KA, KD, KG, MUX	aLEU
5207	0810	`3L`	unid French Military	F	cw-wkg `3F`	aLEU
5353,5	1212	FAQ20	French Army Lyon	F	usb-clg FAQ50	aLEU
5406,5	0936	`BANDBOX`	CRC Nieuw-Millingen	HOL	usb-wkg T9J,tracking infos	aLEU
5773,5	1155	OVL	Ny Torshavn, Faroe	FAR	cw-wkg OUEV, coord fr RTTY	aLEU
5773,5	1158	OUEV	Dan. Marine M/V Triton	IW	cw-wkg OVL	aLEU
5810	0940	`GC`	Italian Military, Army?	I	usb-wkg `2K`	aLEU
6810	1851	`83`	unid Italian Military?	I	usb-wkg `41`, op: Luigi	aLEU
6815	1845	ICI11	ICG/MRSC Catania	I	usb-wkg Rescue MA	aLEU
6828	0135	`zero`	unid (Brit.?) Military		usb-wkg X12, Exercise-msgs	aLEU
6864,5	0845	FDG	AF Bordeaux	F	cw-vvv mkr	pcG
6865	1810	FDG	AF Bordeaux	F	cw-vvv	aLEU
6873,5	1045	IGED	INy Vessel M/V Ponza	IW	usb-wkg ICS	aLEU
6875	1222	FDI22	AF Narbonne	F	cw-vvv	aLEU
6886	1235		French Number Station	F	cw-5 lgs, A 21 14:35:10 BT	aLEU
6910	2238		UNID	?	usb-in SS	dmRU
(some expressions were `11 46 minutos, es correcto?`, `no te escucho`)						
6953	1500	FDY	AF Orleans	F	cw-vvv	pcG+zeTC
6992,5	1053	MFJ04	unid RNY Cadet Forces	G	usb-wkg MFP34	aLEU
6997	0055	IAIQ	M/V G.Garibaldi C-551	IW	=Aircraft carrier, w/RUPPE	aLEU
8085	1930	FDC	AF Metz	F	cw-vvv	zeTC
8138	2233		UNID	?	usb-endless tape in FF	dmRU
(tape contained some indistinct header, names of all days of the week, numbers from 61 to 69 and names of all months of the year)						
9263	1847	4XZ	Ny Haifa	ISR	cw-vvv	dmRU
11170	1149	4XZ	Ny Haifa	ISR	cw-vvv de 4XZ BT BT	zeTC
13927	0417	AFA1MH	MARS East Liverpool	USA	wkg AFA2AC	hb31
13927	0417	AFA2AC	UNID MARS	USA	wkg AFA1MH	hb31
13927	2226	AFA1EN	MARS Shelbyville	USA	wkg a/c	hb31
13927	2228	AFA2XD	MARS Sat.Beach	USA	clg AFA1EN	hb31
13993	0200	AAZ	USASC Ft. Huachuca, AZ	USA	usb-QSX 14228, wkg K2PF	aLEU
14405,5	1500	AEM1GNM/Tunid	US Army MARS	?D	usb-wkg unid	aLEU
14486,5	2139	WUG2B	USACE Memphis, TN	USA	usb-QSX 14293, wkg IK8OZZ	aLEU
14686	1744	4XZ	Ny Haifa	ISR	cw-vvv	aLEU
14931	1743	`8BY`	French Intelligence	F	cw-vvv	aLEU
18268	1027	IDR	Ny Rome	I	usb-wkg EU, coord fr Data	aLEU

EUNL1999  
M A R I T I M E

1614	0340	SUH	Alexandria R.	EGY	cw sitor-id	zeTC
2182	0514	LXHD	Holyman Diamant	IW	wkg OST	js38
2182	0521		Trafalgar Guardian	IW	wkg Aberdeen CG	js38
2182	0524		Brixham CG	IW	wkg Clyde CG	js38
2182	0550	ITEJ	Nomentana	IW	clg Clodia	js38
2182	0551	GGNV	Arco Avon	G	wkg Humber	js38
2182	0608	IBIE	Aurelia	IW	wkg Nomentana	js38
2182	0619	IBVO	Espresso Venezia	IW	clg Bari	js38
2182	0629	ICZI	Palladio	IW	clg Espresso Venezia	js38
2748	1935	YQI	Constanta R.	ROM	USB EE wx	js38
6525	0915		Kiev R.	UKR	USB w m/v Makarov	js38
6815	0638		Compamare Monfalcone	I	rc w/ICI	hb31
8511	1937	XSW2	T'ai-chung R.	TWN	cw-cq mkr	pcG
8515	2145	5AT	Tripoli R.	LYB	cw v/cq mkr - endlessly	pcG
8539	1920	VRX35	Hong Kong R.	CHN	cw-cq mkr	pcG
8549	1715	UCE	Arkhangelsk R.	RUS	SITOR/A wkg UCNJ	pcG
8600	1916	XSV	Tianjin R.	CHN	cw-cq mkr + up 363	pcG
8604,5	0900	UCE	Arkhangelsk R.	RUS	cw-cq mkr - new freq?	pcG
8610	0850	UCE	Arkhangelsk R.	RUS	cw-cq mkr	pcG
8636	1755	HLW	Seoul R.	KOR	cw-manual cq + wkg tfc	pcG
8646	2157	LPD86	Gr1 Pacheco R.	ARG	cw-vvv mkr	pcG
8665	2300	XSG	Shanghai R.	CHN	cw-cq mkr	pcG
8674	1745	VWM	Chennai R.	IND	cw-cq mkr (faulty tape!)	pcG
8686	1800	CNP	Casablanca R.	MRC	cw-cq mkr	pcG
8737	2015	5BA42	Cyprus R.	CYP	E/Grc vmf	zeTC
8797	2018	HLS	Seoul R.	KOR	melody marker // 8725.0	zeTC
8803	2322		Asunción R.	PRG	wkg ship	hb31
12597,5	1020	UFN	Novorossiysk R.	RUS	SITOR/A msg to UBLY	pcG
12610,5	1030	VCT	Tors Cove R.	CAN	SITOR/A tlx/cw mkr	pcG
12613	1035	XSQ	Guangzhou R.	CHN	SITOR/A tlx/cw mkr weak	pcG
12615	1044	USU	Mauripol R.	UKR	SITOR/A cw/tlx mkr	pcG
12625,5	1014	UCE	Arkhangelsk R.	RUS	SITOR/A msg to UCOK	pcG
12627,5	1016	USU	Mauripol R.	UKR	SITOR/A cw/tlx mkr	pcG
12654	0930	TAH	Istanbul R.	TUR	SITOR/A tlx/cw mkr	pcG
12662	0946	7TF	Boufarik R.	ALG	cw-cq mkr	pcG
12678	1809	9MG3	K.Lumpur R.	MLA	cw-cq mkr - long one	pcG
12697	1810	USU	Mauripol R.	UKR	cw `4KF de UTW/USU` mkr	pcG
12698	1812	ZSC9	Capetown R.	AFS	cw weak cq mkr	pcG
12709	0950	A9M	Bahrain R.	BHR	cw-cq mkr	pcG
12729	0800	UVA	Gelendzhik R.	RUS	cw-cq mkr + qsw info	pcG
12735	0953	URL	Sevastopol R.	UKR	cw-cq mkr	pcG
12780	2126	D3E	Luanda R.	AGL	cw-cq	dmRU
12780,5	0956	9AR	Rijeka R.	CRT	cw-vvv mkr	pcG
12781,5	1915	9MB5	Ny Georgetown	MLA	cw-vvv mkr	zeTC+pcG
12801	0958	TAH	Istanbul R.	TUR	cw-cq mkr	pcG
12811,5	1730	JFM	Muroto Fishery R.	J	cw-cq	js38
12811,5	1900	JFG	Shizuoka-ken Fishery R.	J	cw-cq	js38
12835,4	2121	GKB	Portishead R.	G	cw-de	dmRU
12843	2015	HLO	Seoul R.	KOR	cw-cq mkr	dmRU+pcG
12856	0959	XSG	Shanghai R.	CHN	cw-cq mkr	dmRU+pcG
12858	1700	JFF	Miyagi-ken Fishery R.	J	cw-vvv clg vs1	js38
12935	2025	HLG	Seoul R.	KOR	cw-cq mkr + qtc list	pcG
12969	1853	XSV	Tianjin R.	CHN	cw `qrz? de xsv...` mkr	pcG
12988,5	0943	LPD88	Gr1 Pacheco R.	ARG	cw-vvv mkr	dmRU+pcG
(Argentinian DXer Gabriel Ivan Barrera told me that some time ago the station was privatized, and now bears the name `Startel`)(dmRU)						
13010	1850	AQP6	Ny Karachi	PAK	cw-vvv mkr	pcG
13022	1847	SPB	Szczecin R.	POL	SITOR/A cw/tlx mkr	pcG
13024,5	1103	ASK	Karachi R.	PAK	cw-cq mkr + qtc nil	pcG
13050	0945	UDK	Murmansk R.	RUS	cw wkg tfc	pcG
13062	1802	CLA32	Havana R.	CUB	cw-cq mkr	pcG
13089	1955	LPL	Gen.Pacheco R.	ARG	S r/t tfc, OM-id	zeTC
13104	2003	WOO	Ocean Gate R.	USA	E wx, tfc list. OM-id	zeTC
13143	1849		UNID	?	S r/t tfc dir. to Bogota	zeTC
13149	1915	XSQ	Guangzhou R.	CHN	CH r/t tfc, YL-id	zeTC
16238,9	1000	XSV	Tianjin R.	CHN	cw-cq	js38

## EUNL1999

16809,5	0932	VIP35	Perth R.	AUS	SITOR/A tlx/cw mkr-qrm	EAD	pcG
16812,5	1100	NRV	Guam USCG	GUM	SITOR/A tlx/cw mkr - weak		pcG
16818,5	1950	9VG96	Singapore R.	SNG	SITOR/A tlx/cw mkr		pcG
16828	1816	WLO	Mobile R.	USA	SITOR/A tlx/cw mkr		pcG
16840,5	1350	UJE	Moscow R.	RUS	SITOR/A tlx/cw mkr		pcG
16904	1537	UDK2	Murmansk R.	RUS	cw sitor-id		zeTC
16930	0803	UVA	Gelendzhik R.	RUS	cw-cq + qsw info		pcG
16966	1222	SVB6	Athens Radio (id: SVA)	GRC	cw-CQ HAMS, QSX 14035 khz		aleU
16974	1200	RLK7	Arhangelsk R.	RUS	cw 4LY		js38
16977	1200	JFM	Muroto Fishery R.	J	cw-cq		js38
16977	1230	JFH	Hammajima Fishery R.	J	cw-cq		js38
16977	1330	JFG	Shizuoka-ken Fishery R.	J	cw-clg		js38
17014	1330	JFX	Kagoshima Fishery R.	J	cw-cq		js38
17050,4	1100	ASK	Karachi R.	PAK	cw-cq mkr + qtc nil		pcG
17053	1300	XSX	Chi-lung R.	TWN	cw-cq mkr - weak		pcG
17066,5	0847	A9M	Bahrain R.	BHR	SITOR/A tlx/cw mkr		pcG
17079	1720	HLF	Seoul R.	KOR	SITOR/A tlx/cw mkr		pcG
17117,6	1240	WNU	Slidell R.	USA	cw-cq mkr with /WCC		pcG
17147	1000	URL	Sevastopol R.	UKR	cw-cq + qtc		pcG
17165,6	2019	CLA41	Havana R.	CUB	cw-cq mkr + all info		pcG
17169	0852	A9M	Bahrain R.	BHR	cw-cq mkr		pcG
17172,4	0856	9MG11	Ny K.Lumpur	MLA	cw-cq mkr		pcG
17184,8	2015	KFS	San Francisco R.	USA	cw-cq mkr kfs/kph		pcG
17195	0927	UJE	Moscow R.	RUS	cw long msg - ended cq i/d		pcG
17227,5	1920	ZLO	Auckland RNZN	NZL	cw-de mkr		pcG
17236,4	1015	UIW	Kaliningrad R.	KAL	cw-wkg, id		js38
17238,8	0925	XSV	Tianjin R.	CHN	cw-cq mkr		pcG
17239,7	1230	PKX	Jakarta R.	INS	cw-cq mkr		pcG
17281	1701	ICB	Genova R.	I	I r/t tfc, YL-id		zeTC
17293	1706	A9M	Bahrain R.	BHR	r/t tfc, E OM-id		zeTC
22395	0945	USU	Mauripol R.	UKR	SITOR/A cw/tlx mkr		pcG
22459	1014	XSX	Chi-lung R.	TWN	cw-cq mkr		pcG
22482	0955	HLG	Seoul R.	KOR	cw-cq mkr + qtc list		pcG
22565	1016	XSW	Kao-hsiung R.	TWN	cw-cq mkr		pcG
22575,5	0920	PKX	Jakarta R.	INS	cw-weak cq mkr		pcG

## A E R O (Ground - stations)

5652	2327		Niamey Air/MWARA AFI-2	NGR	wkg unid Air France, GK-BM		aleU
5680	1307		Gotland Rescue	S	wkg Kuresaare Rescue		aleU
5684	1056		RAF Buchan	G	wkg L0B, tracking infos		aleU
5687	1030	`22`	unid GAF Base	D	wkg `23` ! new one: DHO22?		aleU
5687	1020	1NM9	unid GAF, Base ?	?D	wkg DHM91		aleU
5687	1200	NI81	GAF Piacenza	I	clg DHM91 fr r/c		aleU
5696	2330	NMN	USCG Chesapeake, VA	USA	wkg `39`, id: CAMSLANT		aleU
6676	2243		Bangkok Volmet	THA	usb-wx		dmRU
6697	1238	MKL	RAF	G	wkg 5WC, coord fr RATT		aleU
6736	0945	GFF	RAF Kinloss Rescue	G	wkg Rescue 13 (Nimrod MR2)		aleU
6826	2227		Stockholm R.?	S	usb-phone patch in SS		dmRU
6993	1103	AFA3	USAF Andrews 'VIP'	USA	wkg SAM 201 on Ch.:F117		aleU
6997	0053	`RUPPE`	IAF ROC Monte Verda	I	wkg IAIQ		aleU
10018	1512		Lahore Aero	PAK	clg UN 201		js38
10018	1519		Kabul Aero	AFG	clg Dushanbe		js38
11021	0743		ANSETT Dispatch Sydney	AUS	male tx		js38
17946	0430		San Francisco ARINC	HWI	wkg Reeve a/c		hb31

## A E R O (aircrafts)

5616	0134	SAM 70400	USAF SAM Flight	AIR	wkg Gander, s/c PS-MQ		aleU
5680	1006	Rescue 169	RAF 22.Sqn A/Chivenor	AIR	wkg Kinloss,Sea King HAR3A		aleU
6865	1924	Moonbeam 02	USAF EC-130 fm Aviano	AIR	clg OPS(=Aviano AFB, I)		aleU
8924	1055	SP-LKA	LOT - Polish Airways	AIR	wkg Warsaw LOT LDOC, B-737		aleU
8930	1130	SU-RAA	Shourouk Air/SHK	AIR	wkg St.,s/c CK-LP, to HESH		aleU
8930	1748	GTS 9002	Gats Air (Nicaragua)	AIR	wkg St., wx OMAA & OMAL		aleU
8930	1756	EFS 13C	Dassault Falcon Sce.	AIR	wkg Stockholm, pp Paris		aleU
8930	1620	NAF 40	Netherlands Air Force	AIR	wkg Stockholm, pp		aleU
8992	1251	COTAM 2946	FAF Air Transport Comm	AIR	wkg CIRCUS VERTE		aleU
8992	1410	KSV 0930	FAF Kosovo Mission	AIR	wkg CIRCUS VERTE		aleU

## EUNL1999

8992	1716	JGD 75	FAF/SFOR Flight	AIR wkg	C.VERTE, aka: 'GD 75'	aLEU
10915	1800	JGO 76	USAF/SFOR Flight	AIR clg	JGO 62	aLEU
11175	1102	SAM 201	USAF Sp'l Air Mission	AIR wkg	Thule, pp Andrews VIP	aLEU
11175	1623	KSV 402	USAF Kosovo Mission Fl	AIR wkg	Croughton, pp LWSK	aLEU
11175	1633	RCH 52X5	USAF Flight to Aviano	AIR wkg	Croughton,T/End:91-946	aLEU
11175	1325	RCH 7042	USAF Fl. to Charleston	AIR wkg	Cr., pp Charleston CP	aLEU
11175	1505	JGO 75	USAF/SFOR C-17 to Ramstein	wkg	Thule, T/End: 60-005	aLEU
11175	1525	GOLD 112	USAF Refueling Tanker	AIR wkg	Thule, pp Moron Metro	aLEU
11345	1150	JGI 44	SFOR/Netherlands AF	AIR wkg	Stockholm, wx EHEH	aLEU
13342	1448	9G-OLG	Johnsons Air/JON	AIR wkg	Stockholm, qth Tirana	aLEU

## D I G I T A L

5110	0945	FDG	AF Bordeaux	F	ITA2/50 ry test + le brick	pcG
5154,5	1605		unid Meteo		R50/425/R:wx fm LOWM/wien	aLEU
5157	1358	GM5T	unid, Polish Military?		R50/425: RY 5JVR DE GM5T	aLEU
5157	1400		QTC FM ZIYZGF FOR ZYRZNF		into encrypted...	
5163,5	0953	FDY	AF Orleans	F	R50/425: RY, Le Brick	aLEU
5315,1	1200	RXFKE	unid, Bundeswehr ?	?D	R50/170: RYRY INT ZBZ K	aLEU
5315,1	1226	KM89	unid, Bundeswehr ?	?D	R50/170: wkg 2GTN,duplex?	aLEU
5315,1	1300	RXFKE	unid, Bundeswehr ?	?D	R50/170:cfm-tfc w/RXFKEUR	aLEU
					at 1300z back to RXFKE callsign, wkg RXFKEUR	
					KM89 = RXFKE ! 2GTN = RFXKEUR ?	
					RYRYRYRY HEARD YOU FROM STATION HA2G ??	
					RYRYRYRY DE KM89 TO 2 GTN	
					GO CRYPTO ON H3 RPT GO CRYPTO ON H3 K K K	
					into cypto (still in 50 Bd) on same frequency !	
5349,1	1050	VC7D	Bundeswehr: KDO FMBTL 2`	D	R50/170:wkg simplex FGK9	aLEU
5349,1	1206	FGK9	BW: ROEM 2 (GE/US) KORPS	D	R50/170:w/VC7D,DRILL msgsg	aLEU
					tent.: KDO - Kommando, FMBTL - Fernmeldebataillon	
					header: FM ROEM 2 (GE/US) KORPS	
					TO VC7D/KDO FMBTL 2	
5689,8	1223		unid		R50/425/R: 5fgs, ;50;	aLEU
5740	1850	RFF--	FF UNID	F	ARQE72/400 cont idle	pcG
5773,5	1200	OVL	Ny Torshavn, Faroe	FAR	R75/170: encrypted tfc	aLEU
6812,1	1453		unid	?	R50/170/R: RYRYRYRY, no ID	aLEU
6977	1210	FDG	AF Bordeaux	F	R50/425/R: RY, Le Brick	aLEU
6787	1845	RFF--	FF UNID	F	ARQE/72/400 cont idle	pcG
6976	1710	RFFHCA	FF Ajaccio	F	ARQE/192/170 idle	pcG
6977	1010	FDG	AF Bordeaux	F	ITA2/50 ry test + le brick	pcG
6977	1220	FDG	AF Bordeaux	F	ITA2/50/400 ry + le brick	pcG
7425,5	1900		FF UNID	?	ARQE/184.6/400 cont idle	pcG
7716	1330	RFFHCA	FF Ajaccio	F	ARQE/192/170 to Marseille	pcG
					test msg - Mondays only	pcG
7762	1335	RGH77	Arkhangelsk Meteo	RUS	fax 60/576 surface analzsizseTC	
7975	1800	SPW	Warsaw R.	POL	SITOR/B Polish news	pcG
8421,5	1645	LZW	Varna R.	BUL	SITOR/B qtc list	pcG
8500	2020	RBSL	Ny Mumbai	IND	ITA2/50/850 ry c/s mkr	pcG
8549	2014	UCE	Arkhangelsk R.	RUS	sitor-A 100/170 wkg UCKU	zeTC
8642	2152	GVA	Ny London	G	ITA2/75/340 ch status mkr	pcG
9014	0819	RUM9	UNID (Murmansk ?)	RUS	fax 120/576 surface analysizeTC	
9123,5	DAILY	RFF??	FF UNID	?	ARQE/184.6/400 cont idle-nil tfc	pcG
10121	0650	SUU2	Cairo Meteo	EGY	fax 120/576 surface forecastzeTC	
10855	1640	GXQ	London DCN	G	VFT ITA2/50/340 foxes	pcG
10890	1144	GXQ	DCN London	G	rtty 50/170VFT test de GXQ	zeTC
12654	1255	TAH	Istanbul Turk R.	TUR	sitor-A 100/170 wkg TCAM	zeTC
12903	1930	RBSL	Ny Mumbai	IND	ITA2/50/850 VTH1/4/5/7 mkr	pcG
13031,2	1846	FUF	FNy F.de France	MRT	ITA2/75/850 test	pcG
13042,5	1840	FUV	FNy Djibuti	DJI	ITA2/75/850 `faaa de fuv`	pcG
13882,5	0644	DDK6	Hamburg Meteo	D	fax 120/576 surface pressu	zeTC
13920	0627	AXM35	Canberra Meteo	AUS	fax 120/576 wind analysis	zeTC
13947	1557	ROM5	Tashkent Meteo	UZB	fax 90/576 radar data	zeTC
13958,5	1823	HBD20	MFA Berne	SUI	SITOR/A long 5ltr gp msg	pcG
14395,5	1320	?	Unid DCN	?	PICC/? s/ch idle	pcG
14669	1655	RFFXL	FF Beirut	LBN	ARQE/184.6/400 XZL 5lgsps msgpcG	
15855,5	2130		DCN UNID	?	PICC/? s/ch idle	pcG
15961,7	1315	RFLI	FF Ft.-de-France	MRT	ARQE3/192/400 BFL to Paris	pcG
16125,2	1335	RFQP	FF Djibuti	DJI	ARQE3/200/400/2ch	pcG



## EUNL1999

16143,7	2135	RFLI	FF F.de France	MRT ARQE3/192/400 BFL to Paris	pcG
16165,2	1810	RFFA	FF Paris	F ARQE3/200/400/2ch PQB/PQC	pcG
16193,2	1330	RFQP	FF Djibuti	DJI ARQE3/192/400/2ch to Paris	pcG
16193,2	1703	RFQP	FF Djibouti	DJI ARQE3/200/400/2ch QRG/QPF	pcG
16278,6	1300	7RQ20	MFA Algiers	ALG COQUELET/8 msgs FF & AA	pcG
16951,5	0926	6WW	FNY Dakar	SEN ITA2/75/850 le brick+sg mkr	pcG
16971	1954	JJC	KYODO Tokyo-Nazaki	J fax 60/576 newspaper txt	zeTC
16986	1601	CTP	NATO Oeiras	POR rtty 75/850 naws de CTPqsx	zeTC
17180	1738	FUG	Ny La Regine	F rtty 75/850 FB FB de FUG ryzeTC	
17430	1605	9VF209	KYODO Singapore	SNG fax 60/576 newspaer txt	zeTC
17445	2024	5YE2	Nairobi Meteo	KEN fax 120/576 upper wind	zeTC
18980,5	0900	?	Unid DCN	? PICC/6 2ch idle/crypto	pcG
19860	1340	MGJ	Ny Faslane	G ITA2/75/400 status mkr	pcG
20633,7	1200	RFVI	FF Le Port	REU ARQE3/100/400 REI to Paris	pcG

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

5000	1928	BPM	SAO Lintong	CHN cw-id, CH YL-id, TS	zeTC
10000	0534	WWV	NBS Fort Collins	USA E OM TA, TS	zeTC
14670	2113	CHU	NRC Ottawa	CAN E/F OM id + TA, TS	zeTC
15000	1929	BSF	TS Chung-li	TWN cw-id + TA, CH YL-id, TS	zeTC
15000	1540	WWVH	NBS Kekaha	HWA E YL TA, TS	zeTC

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

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AIR-UK Fisheries Patrol	660	ppc,lt,sti,vc	6647	watchdog93	100 w	dp47
BUL-LDOC Sofia	52	ppc,lt,Ham-cd,sti,vc	11273	BALKAN	1000 w	dp47
CAN-Fundy CGR	47	ppc,lt	2182	VAR		dp47
CAN-NDB Fredericton, NB	14	ppc,infos AP/ vc,1 USD	326	`YFC`	150 w	fd40
CAN-NDB La Grande4, PQ	23	QSL-ltr/vc, 1USD	332	`YFM`	2000 w	fd40
CAN-NDB Mont-Joli,PQ	120	ppc/vc, 1 USD	340	`YY`	500 w	fd40
CAN-NDB North Bay, ON	9	ppc,ltr,infos/vc,1 USD	394	`YB`	500 w	fd40
CAN-NDB Parent, PQ	29	ppc/vc, 1 USD	303	`YYP`	500 w	fd40
CAN-NDB Saint Bruno, PQ	65	ppc/vc, 1 USD	407	`H`	25 w	fd40
CAN-NDB St. Leonhard, NB	14	ppc,infos/vc, 1 USD	404	`YSL`	500 w	fd40
CAN-NDB Waskaganish, PQ	43	ppc/vc, 1 USD	351	`YKQ`	500 w	fd40
CAN-St. Anthony CGR	35	ppc	2598	VCM		dp47
CHL-Playa Ancha R (fax)	45	cd/vc	8677	CBV	1000 w	zeTC
CHN-Beijing Meteo	118	ppc/vc	10117	BAF4		zeTC
D -GAF Tarp MFG2	14	ppc,lt,badge	5687	DHO35	100 w	dp47
D -NDB Berlin/Schoenefeld	15	cd-sheet/ms back	362	`SLN`	100 w	zeTC
D -NDB Magdeburg	9	ppc/vc,sase	367	`MU`	100 w	zeTC
D -NDB Saarbruecken	29	cd,info/sase	360	`SR`	200 w	zeTC
D -NDB Schönefeld	4	lt/ms back	362	`SLN`		hb31
E -Cabo de Gata Radio	156	QSL-card/SASE	1767		1000 w	gsLX
E -Cabo Penas Radio	156	QSL-card/SASE	1677	EAS	1000 w	gsLX
E -Chipiona Radio	156	QSL-card/SASE	1656		1000 w	gsLX
E -Finisterre Radio	156	QSL-card/SASE	1764	EAF	1000 w	gsLX
E -La Coruna Radio	156	QSL-card/SASE	1698	EAR	1000 w	gsLX
E -Machichaco Radio	156	QSL-card/SASE	1707		1000 w	gsLX
E -Tarifa Radio	156	QSL-card/SASE	1704	EAC	1000 w	gsLX
EGY-Serapum R.	59	ppc/irc	8450	SUZ	500 w	pcG
EST-Tallinn Rescue	22	lt,ppc/IRC f/up	5680			hb31
GRL-USAF Thule	150	f/d lt f/up	11175			ai47
HOL-Scheveningen R.	23	f (farwell party)	8622	PCH41		dp47
HRV-Split R	85	lt,vc,info/vc	518	9AS	1200 w	zeTC
I -Compamare Gaeta	78	lt/ms	6815			hb31
I -MRSC Bari	232	ppc/fo,irc	6815	ICI06		dp47
ISL-Hornafjordur R.	84	cd/IRC via HQ	2182	TFT		hb31
IW -Lfb. Hans Hackmack	94	ppc	1660	DBAT		dp47
IW -Lfb. Hermann R. Meyer	42	ppc,vc,sti's	1660	DBAC	400 w	dp47
IW -MT Egito Express	30	ppc,lt,vc's,sti's	2182	IBSD		dp47
IW -MV Blikur	23	ppc/SASE	2182	OZ2003	150 w	gsLX
IW -MV Commodore Goodwill	125	ppc,info/SASE	2187,5	C6NU8		gsLX
IW -MV European Highlander	14	ppc/SASE	2187,5	C6HL7		gsLX
IW -MV Indianapolis	10	ppc,letter,info/SASE	2187,5	LAPZ4		gsLX

## EUNL1999

IW -MV Lykes Liberator	22	ppc,photo/SASE	2187,5	WGXN	365 w	gsLX
IW -MV Maersk Curlew	24	ppc,info,photo/SASE	2187,5	MWVQ7		gsLX
IW -MV Mikolaj Kopernik	22	ppc/SAE	2187,5	J8SK6	250 w	gsLX
IW -MV Multratug 7	13	ppc,info/SASE	2187,5	PCDZ	250 w	gsLX
IW -MV Norbank	9	ppc/SASE	2187,5	PGIS		gsLX
IW -MV Norseia	13	ppc,info/SASE	2187,5	GIFR	1000 w	gsLX
IW -MV P & OSL Dover	9	ppc,info/SASE	2187,5	GJCR	250 w	gsLX
IW -MV Petersburg	17	ppc,photo/SASE	2187,5	ELTZ4		gsLX
IW -MV Petro Tyne	17	ppc/SASE	2187,5	MMTQ3	250 w	gsLX
IW -MV Pride of le Havre	7	ppc/SASE	2187,5	MSTJ8		gsLX
IW -MV Quiberon	11	ppc,photo/SASE	2187,5	FNQI	600 w	gsLX
IW -MV St.Sunniva	18	ppc,info/SASE	2187,5	GBCB	250 w	gsLX
IW -MV Stena Discovery	17	ppc/SASE	2187,5	PCCU		gsLX
IW -MV Viking Supporter	106	ppc/SASE	2182	MFTN9		gsLX
IW -MV Bar Protector	45	ppc,lt,i	2182	C6FW		dp47
IW -MV Capella	45	ppc/irc back	2182	MNFW6	150 w	dp47
IW -MV Diamant	133	ppc	2182	LXHD	200 w	dp47
IW -MV Far Service	32	ppc,picture/irc back	2182	MSWQ9		dp47
IW -MV Geopotes 14	14	ppc,i,stylo	2182	PEHQ	100 w	dp47
IW -MV Grampian Frontier	42	ppc,lt/irc back	2182	MWQB7	400 w	dp47
IW -MV Maersk Blazer	122	ppc,i	2182	OZPB2		dp47
IW -MV Nicky L.	22	ppc	2182	GJNA	400 w	dp47
IW -MV Nomentana	20	ppc	2182	ITEJ		dp47
IW -MV Oil Osprey	16	ppc,fo	2182	GCVV	125 w	dp47
IW -MV Pacific Barbaran	25	ppc,fo,lt,i	2182	3FGH7	600 w	dp47
IW -MV Pacific Buccaneer	29	ppc,tech-info	2182	3FES7		dp47
IW -MV Seaway Pelican	40	ppc	2182	JWWJ		dp47
IW -MV Stellaman	33	lt,i,fo's	2182	ZDDH9		dp47
IW -MV Sterling Pegasus	18	ppc	2182	8PLH		dp47
IW -MV Stirling Clyde	15	ppc,fo,i,lt	2182	C6HX8		dp47
IW -MV Stirling Fyne	13	ppc,sti's,i	2182	C6MX9		dp47
IW -MV Stirling Tay	20	ppc,fo	2182	MXZA5		dp47
IW -MV Tidewater Intrepid	78	ppc,fo's,lt,i	2182	GYNR		dp47
IW -MV Veesea Sapphire	46	ppc	2182	ZHFY8		dp47
IW -Norw.CG V.Nordsjöbas	w315 42	cd,lt,ppc/ms	2812	LGSP		hb31
IW -Rig St. Fe Monitor	28	ppc	2182	HP5508	250 w	dp47
KOR-KMA Seoul Meteo	35	cd,lt,scd/vc	5857.5	HLL8	3000 w	zeTC
NOR-Bergen Radio	1143	ppc,lt/,vc,IRC,SAE	1728	LGN	1000 w	pt53
NOR-Bergen Radio	922	ppc,lt/,vc,USD,SAE	1728	LGN	1000 w	pt53
NOR-Fanaraken Meteo	19	ppc,lt f/up	5780	LMA		dp47
POL-Gdynia R.	19	cd,info/vc,sase	8427.5	SPA		zeTC
POL-LDOC Warsaw	14	ppc,vc	8924	LOT		dp47
POL-NDB Drezdenko	30	ppc via HQ/IRC	440	`DRE`		hb31
POL-NDB Wrocław	30	ppc via HQ/IRC	525	`HG`		hb31
POL-Szczecin R.	29	cd,scd/vc,ms	8557	SPB44	5000 w	zeTC
ROU-Giurgiu R.	21	ppc,lt,Ham-cd,vc	4986	YPO	100 w	dp47
ROU-NDB Arad	38	ppc via HQ/IRC	517	`ARD`		hb31
S -NDB Halmstad	17	ppc/ms	421	`MF`		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:

To pb40: Sorry for the misunderstanding and confusion, dear Peter!!!! Everything was alright. ;-)  
Due to renew for May 99: pcG  
Fee received from koCH -> mny tnx!!

## Addresses/Infos/Veri-signers:

From zeTC:

PS.: Sorry my tipyst error in EUNL/5: DIGITAL  
9907 RCW 79=correct 7907 khz and 22370 HZN50=correct 23370 khz (tnx,ed)

The CAN NDB's by fd40 were heard in Massachusetts/USA

YSL NDB St Leonard + YFC NDB Fredericton:

EUNL1999

For both NDB's: Nav. Canada, Technical Services, 2570 Route 102, Unit 6, Lincoln, NB E3B9G1 v/s: Ron Owen (OwenR@Navcanada.ca) (fd40)  
YKQ NDB Waskaganish + YYP NDB Parent:  
For both NDB's: Nav. Canada, Services Techniques, Aeroport de Val d'Or, Val d'Or, PQ J9P 4P4 (fd40)  
YB NDB North Bay: Nav. Canada, P.O. Box 1380, North Bay, ON P1B 9L9 (fd40)  
BRK/NDB Arbenthal: Austro Control, Technischer Dienst, A-1300 wien (pt53)  
STE/NDB Vienna: Austro Control, Technischer Dienst, A-1300 wien (pt53)  
TUN/NDB Langenrohr: Austro Control, Technischer Dienst, A-1300 wien (pt53)  
WO/NDB Vienna: Austro Control, Technischer Dienst, A-1300 wien (pt53)  
VS/NDB Valenciennes: Chambre de Commerce et d'industrie de Valenciennes, Aéroport, F-59220 Denain (pt53)  
LGSP Norwegian Coast Guard Vessel `Nordsjöbas`: P.O.Box 75, Haakonsværn, N-5886 Bergen (hb31)(v/s John-Kenneth FEDØY, Sub Lieutenant, Executive Officer)(hb31)  
USAF Thule: Thule Global HF Station, Thule Global Station Supervisor, Unit 82501, APO AE 09704 (ai47)  
BAF4 Beijing Meteo: CMA-China Meteorological Administration, Dept.of Observation and Telecom, Division of Telecommunication, Beijing 100081, P.R.of China (zeTC)  
HLL8 KMA Seoul Meteo: KMA-Korean Meteorological Administration-Radio Communication Station, 538 Konghang-dong, Kangseo-Ku, Seoul 157-240, Republic of Korea (v/s Byung-chul Ahn)(zeTC)  
SPB Szczecin R.: Maritime Coast Radio Station `SZCZECIN RADIO` Trzeszczyn, PL-72-004 Tarnowo Szczecinskie, Poland (zeTC)  
9AS Split R.: Mr.Josko Vrandecic, Ciovska 5, HR-2100 Split, Croatia (zeTC) (v/s Mr.Josko Vrandecic, Station Manager)  
C6HL7 European Highlander : P&O European Ferries Ltd., Copse Road, Lancs FY7 6HR, UK (gsLX)  
C6NU8 Commodore Goodwill : Commodore Ferries Ltd., PO Box 10, New Jetty Offices, White Rock, St.Peter Port, Guernsey GY1 3AF, UK (gsLX)  
ELTZ4 Petersburg : Reederei F.Laeisz GmbH Rostock, Postfach 401403, Seehafen 1, D-18147 Rostock (gsLX)  
FNQI Quiberon : Brittany Ferries, BP 72,Port du Bloscon, F-29688 Roscoff (gsLX)  
GBCB St.Sunniva : P&O Scottish Ferries Ltd., PO Box 5, Jamieson's Quay, Aberdeen AB9 8DL, Scotland (gsLX)  
GIFR Norsea : North Sea Ferries BV, Postbus 1123, NL-3180 AC Rozenburg (gsLX)  
GJCR P&OSL Dover (ex:Pride of Dover) : P&O Stena Line Ltd., Channel House, Channel View Road, Dover, Kent CT17 9TJ, UK(gSLX)  
J8SK6 Mikolaj Kopernik : Euroafrica Shipping Lines Co.Ltd., PO Box 511, ul Energetykw ¾, PL-70 952 Szczecin, Poland (gsLX)  
LAPZ4 Indianapolis : United European Car Carriers AS, Postboks 265, N-4892 Grimstad, Norway (gsLX)  
MFTN9 Viking Supporter: Viking Standby Ltd., Annat House, South Quay, Ferryden, Montrose, DD10 9UB, UK (gsLX)  
MMTQ3 Petro Tyne : Petroleum Shipping Ltd., Mountbatton House, Grosvenor Square, Southampton, Hampshire SO15 2UX, UK (gsLX)  
MSTJ8 Pride of Le Havre : P&O European Ferries Ltd., Peninsular House, Wharf Road, Portsmouth, Hants PO2 8TA, UK (gsLX)  
MWVQ7 Maersk Curlew:Moller AP,50 Esplanaden,DK-1098 Copenhagen K, Denmark (gsLX)  
OZ2003 Blikur : Skipafelagid Foroyar, PO Box 47, Eystarra Bryggia, FR-110 Torshavn, Faroes (gsLX)  
PCCU Stena Discovery : Stena AB, Masthuggetskajen, S-405 19 Gothenburg, Sweden (gsLX)  
PCDZ Multratug 7 : Multratug B.V., Scheldekade 48, NL-4531 EH Terneuzen, The Netherlands (gsLX)  
PGIS Norbank : P&O North Sea Ferries BV, Postbus 1123, NL-3180 AC Rozenburg, The Netherlands (gsLX)  
WGXX Lykes Liberator : Lykes Lines Ltd., PO Box 31244, 401 E Jackson Street, Tampa, FL 33602, USA (gsLX)

Some Info by dmRU: Hi gentlemen,

Maybe you become interested in the following:

=====

The Centre of Aero Navigational Information for Civil Aviation (CAI GA) offers a number of special publications. Among them are:

AIP for Russian Federation and CIS countries  
Aero Navigation Handbooks

## Radio Navigation Maps

Corrections, NOTAMS and AICs are issued regularly.

AIP and handbooks include diverse info related to airports of Russia, other CIS countries and the remaining world (mainly those locations that are reached by Aeroflot flights): aeronavigational info, airfield data, communications, meteorology, regulations of air traffic, search and rescue, maps.  
(info taken from CAI GA website / unfortunately, the site is in Russian only)

=====

I don't know whether these are vitally necessary things for an aero/NDB DXer, but you may try to get more details from them. The contact info about the company is listed below. (Prices are not stated on their web pages; some days ago I asked them how much do their materials cost, but no reply yet)

GUP CAI GA	phones	fax
ul. Svobody 67,	+ 7 (095) 492 2191 (prices)	+ 7 (095) 948 5909
Moscow	+ 7 (095) 492 0708 (requests)	
123364, RUSSIA		

e-mail: caica@dol.ru    web: <http://www.caica.ru>

## Inquiries Department:

To Thomas (ti47): c/f your SUH QSL in EUNL 5-1999 we would like to know which address you have used and who was the verisigner. Tnx!!!

From hb31: Address wanted for AFA2AC!

From fd40: I'm searching for the valid addresses of KLB/Seattle and the NDB UL in Quebec. Anybody can help? E-mail to: f.devers@01019freenet.de

This famous work was made by our (11) famous contributors: jls, pcG, js38, gsLX, zeTC, dmRU, hb31, pt53, dp47, aLEU, ai47

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

Andreas

## EUROPEAN UTILITY NEWSLETTER 7-1999

```
*****
* Editor:      Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY      *
* Tel.:       (49) 02841 / 178529 ***** e-mail: aibold@aol.com        *
* Home page:  http://members.aol.com/aibold/EUNL.htm                    *
* Treasurer:  Norbert Reiner                                           *
* Membership fees to: Badische Beamtenbank Karlsruhe                   *
* Konto Nr.: 2038005 BLZ: 66090800                                     *
* Dispatcher: Norbert Reiner                                           *
* -----*
* Membership fees for the printed copies: payable to the treasurer     *
* Germany: 20 DM; Europe: 20 DM (13 $); Overseas: 25 $ or the equivalent in *
* foreign currency - no cheques please!!                               *
*                                                                 *
*                               Deadline: 20th of the month!!!          *
*****
```

Hi everybody,

I hope your fine out there in the Ute-world. First I would like to remember that this is the last issue before the summerbreak. The next deadline will be the 20th August. So enjoy the warm summerdays with cold bottled drinks and lots of dx-ing.

Ary informed me that there is another URL for his >>Numbers and Oddities<< webpage, which is more faster than the GeoCities URL. So fasten your seat belt for this highspeed address: <http://home.luna.nl/~ary>

N D B

## EUNL1999

288	0916	HH	Hoek van Holland light	HOL	id+dash	abNL
288,5	0917	YM	Ijmuiden light	HOL	id+dash	abNL
288,5	1945	AVD	Avord	F	id+dash	nrF
288,5	0139	UD	Cabo salou	S	id+dash	nr76
289	1947	HR	Hericourt	F	id+dash	nr76
290	0109	TR	Tirana/Rinas	ALB	id	nr76
291	1950	WS	Grenoble/St. Geoirs	F	id+dash	nrF
295,5	0025	EM	Etamps/Mondesir	F	id+dash	nr76
296	0916	GR	Goeree light	HOL	id	abNL
297	0026	GA	Gap/Tallard	F	id+dash	nr76
299	0028	BO	St. Etienne/Bouteon	F	id+dash	nr76
299	2310	BN	Les Baleines/Ile de Re	F	id+dash	nr76
301	0125	CA	Pte de Creach/Ouessant	F	id+dash	nr76
306	1954	AV	Avord	F	id+dash	nrF
306,5	0048	RS	Ristna	EST	id+dash	nr76
309	1956	DO	Dole/Tavaux	F	id+dash	nrF
311	0915	LMA	Lima	BEL	id	abNL
313	1957	PA	Cabo Palos	E	id+dash	nrF
314,5	1958	TL	Punta della Penna	I	id+dash	nrF
315	2308	HOL	Villacoublay/Velizy	F	id+dash	nrF
316	0920	PH	Eindhoven	HOL	id+tone	abNL
317	1959	MM	Montceaux-les-Mines	F	id+dash	nrF
319	2345	N(TE?)	unid	?	id (once all 5 sec.)	nr76
320	0035	VE	Valence/Chabeuil	F	id+dash	nr76
322	0027	TLN	Hyeres/Le Palyvestre	F	id+dash	nr76
323	0025	SMA	Santa Maria	AZR	id	nr76
324	0031	MOU	Moulins	F	id+dash	nr76
325	0025	AVS	Asturias	E	id	nr76
327	0921	MVC	Merville	F	id+tone	abNL
327	0921	OO	Oostende	BEL	cw	abNL
329	0128	NS	Niort/Souche	F	id+dash	nr76
331,5	2311	TLF	Toulouse/Francazal	F	id+dash	nr76
332	0036	FAR	Faro	POR	id	nr76
335	2318	MC	Montlucon/Domerat	F	id+dash	nr76
344	2005	TR	Villefache/Tarare	F	id+dash	nrF
346,5	0140	BMN	Bremen	D	id	nr76
348	0142	CL	Cahors/Lalbenque	F	id+dash	nr76
348,5	0137	LG	Liege/Bierset	BEL	id	nr76
350	0123	BLA	Biella/Cerrione	I	id	nr76
350,5	0903	ROT	Rotterdam	HOL	cw	abNL
352	0909	NV	Amsterdam	HOL	cw	abNL
357,5	0027	FAL	Ancona/Falconara	I	id	nr76
358	2007	RNN	Roanne/Renaion	F	id+dash	nrF
359	0026	LOR	Lorient	F	id+dash	nr76
362	1040	S	unid	?	id (once all 3 sec.)	nr76
364	0059	MAL	Milano/Malpensa	I	id	nr76
365	0129	VIL	Vilnius	LTU	id	nr76
367	2327	CF	Clermont Ferrand	F	id	nr76
369	0903	PS	Heenvliet	HOL	id	abNL
370	0203	CGZ	Paris/Charles de Gaulle	F	id	nr76
371	0200	LEV	Cuneo/Levaldigi	I	id	nr76
376	0904	WP	Amsterdam	HOL	cw	abNL
376	0112	VEN	Venezia/Tessara	I	id	nr76
379	0030	CZ	Charleville/Mezieres	F	id+dash	nr76
379	2339	EB	St. Etienne/Bouteon	F	id+dash	nr76
380	0033	KA	Tirana/Rinas	ALB	id	nr76
383	0037	MAR	Marseille/Provence	F	id+dash	nr76
383	0123	S	Gdansk	POL	id	nr76
384	0038	AT	Annecy/Meythet	F	id+dash	nr76
386	0900	STD	Stad-aan-het-Haringvliet	HOL	cw	abNL
386,5	0134	SLV	Spa/La Sauveniere	BEL	id	nr76
387	0902	ING	Inglevert	F	cw	abNL
388	0137	BR	Lyon/Bron	F	id+dash	nr76
388,5	0900	CH	Amsterdam	HOL	cw	abNL
389	0033	CP	Caparica	POR	id	nr76
393	0926	DEN	Dender	BEL	id + tone	abNL
395	0900	OA	Amsterdam	HOL	cw	abNL
397	0900	EHN	Eindhoven	HOL	cw	abNL

## EUNL1999

399,5	0926	ONO	Oostende	BEL	id	abNL
400	2012	MO	Macon	F	id+dash	nr76
400	0146	MSW	Muenchen	D	id	nr76
403	2013	VZ	Vichy/Charmeil	F	id+dash	nr76
404	0927	MRV	Merveille	F	id+dash	abNL
404,5	0927	RR	Rotterdam	HOL	id	abNL
405	0040	LYS	Lyon/Satolas	F	id+dash	nr76
421	0055	MF	Halmstad	S	id	nr76
423	2016	BOR	Bourg/Ceyzeriat	F	id+dash	nrF
430	2018	SN	Saint Yan	F	id+dash	nrF

## F I X E D

14,9	0910		ALPHA (Krasnodar?)	RUS	navigation	zeTC
38	1430	SHR	Ny Ruda (tent)	S	cw-5 fgps (wx?)	zeTC
40,4	2228	SAS	Ny Varberg (tent)	S	cw-5 fgps (wx?)	zeTC
129,1	1950	DCF49	EFR Mainflingen	D	asci 200/350 id DCF49 TEST	zeTC
3817	2102	FDG	AF Bordeaux	F	cw-vvv	pcG
4317	1850	FDE14	AF Contrexeville	F	cw-vvv mkr	zeTC
5064	2154	9MB	Ny K.Lumpur	MLA	cw-vvv	pcG
5090,0	2038	FDG	AF Bordeaux	F	cw-vvv mkr	zeTC
5180	2103	S12	Cherta	?	USB 371/00	abNL
5245	1040	MRC01	RAF ATCs	G	USB wkg many stations	abNL
5270,5	1640	FDG	AF Bordeaux	F	cw-vvv mkr	zeTC
5333	1147	SNJ3	UNID	POL?	cw-de SNJ3 SNJ3 QTC 5 fgp	zeTC
5342	1640	FDY	AF Orleans	F	cw-vvv	pcG
5446,5	0830	FDC	AF Metz	F	cw-vvv mkr	zeTC
5448	1734	FDG	AF Bordeaux	F	cw-vvv	pcG
6362	1022	MGJ	Ny Faslane	G	VFT 75 CARB	abNL
6758	1200	MKL	RAF Kinloss	G	cw TAFS	abNL
6768	1655	FDG	AF Bordeaux	F	cw-vvv	pcG
6838	0710	FDE14	AF Contrxeville	F	cw-vvv	pcG
6844,5	1640	FDC	AF Metz	F	cw-vvv	zeTC+pcG
6871	1642	HEP7	Zurich Police	SUI	cw-vvv	pcG
6871,5	1220	FDG	AF Bordeaux	F	cw-vvv	pcG
6934	2006	M12		?	cw in progress	abNL
6945	1250		Czech Lady (S17)	?	AM 555 etc. very poor	abNL
6945	1250	S17	Czech Lady	?	USB	abNL
6998	2030	HWK7	unid	?	vvv vvv de HKW7 ar	nr76
7055	1158	GB0GVU	Newhaven Radio	G	LSB Brit coastal stns event	abNL
7502,5	1550	FDG	AF Bordeaux	F	cw hesitant start v mkr	pcG
7513	2210	FDG	AF Bordeaux	F	cw-vvv	pcG
7712	1654	TBB	Ny Ankara	TUR	cw-vvv de TBJ de TBB 5/7	zeTC
8000	1716	FDG	AF Bordeaux	F	cw-vvv mkr	pcG+zeTC
8094,5	1548	FDC	AF Metz	F	cw-vvv mkr	zeTC
8188	1237		Swedish Rhapsody (E23)	?	USB in progress	abNL
8190	1245	ARCHITECT	RAF Upavon	G	USB	abNL
9024	1026		St. Petersburg Air	RUS	USB wkg unid aircraft	abNL
9130	2140		ISR Intelligence/E10	ISR	AM in progress	abNL
9251	2143		Lincolnshire Poacher/E3	CYP	USB in progress	abNL
10144	1030	DK0WCY	DARC aurora beacon	D	cw Propagation info	abNL
10240	2112		English Man/E6	RUS	AM in progress	abNL
10520	2030	FDG	Bordeaux AF	F	cw-vvv	pcG
10596	1010	10YF	Unid	?	CW clg BBNZ, into Cyrillic	abNL
10774	2010	E07	English Man	RUS	AM 172 000	abNL
10871	0634	C	Ny Moscow	RUS	cw marker	abNL
10871	0634	S	Ny Arkhangelsk	RUS	cw marker	abNL
10871	0634	P	RUSNy Kaliningrad	KAL	cw marker	abNL
11270	0820		RUSMan (S25)	RUS	AM 615 74754 71744 00000	abNL
11554	0600		Polytone stn - XPH	RUS	TONES	abNL
12186	2000	E07	English Man	RUS	AM 172 000	abNL
13454	0620		Polytone stn - XPH	RUS	TONES	abNL
14487	1200	E03	Lincolnshire Poacher	CYP	USB id 62435 //15682	abNL
14487	1700	M03	Lincolnshire Poacher	CYP	USB id 49830	abNL
14654	0640		Polytone stn - XPH	RUS	TONES	abNL
14720	1454	M42	FAPSI	RUS	LSB 6-tone selcal+unread.rtabNL	abNL
14890	0800		RUSMan (S25)	RUS	AM 615 77434 76754	abNL
15682	1200	E03	Lincolnshire Poacher	CYP	USB id 62435 //14487	abNL

## EUNL1999

20355 1636 4XZ Ny Haifa ISR cw-vvv mkr zeTC

## M A R I T I M E

2182	1923	Dover CGR	G r/c with Yarmouth CG	nr76
2182	1923	Yarmouth CG	G r/c with Dover CG	nr76
4325	2053 R	Ny Ustinov	RUS cw Channel marker	abNL
4350	2052 TBB5	Ny Ankara	TUR cw-clg TBDJ	abNL
4384	0231 V5W	Walvis Bay R.	NMB cw-id	ai47
4385	1848 V5W	Walvis Bay R.	NMB cw-id automatic r/t service	zeTC
6357	2041 SAA	Karlskrona R.	S cw-cq	abNL
6465	2033 UIW	Kaliningrad R.	KAL cw Nav wngs	abNL
6506,7	2125 ZRQ	Ny Capetown.	AFS cw-vvv mkr	zeTC
8421,5	0804 9AR	Rijeka R.	HRV sitor-cw id	zeTC
8574	1022 LBG	Rogaland R.	NOR cw CQ + Tfc list	abNL
8586	1900 USO	Izmail R.	UKR cw cq call	pcG
8650	1026 SPE2	Szcecin R.	POL cw QSX marker	abNL
8743	2101 HSW	Bangkok Meteo	THA Thai YL-id + mm	zeTC
12589	0540 NMO	USCG Honolulu	HWA sitor-cw id	zeTC
12719,8	2118 ZLO	Ny Irirangi	NZL cw-de	nr76
12808,5	2125 VTG	Ny Mumbai	IND cw-vvv	nr76
12811,5	1730 JFM	Muroto Fishery R.	J cw-cq	nr76
12811,5	1900 JFG	Shizuoka-ken Fish. R.	J cw-cq	nr76
12858	1700 JFF	Miyagi Fishery R.	J cw-vvv	nr76
13086	1915 HSA	Bangkok R.	THA Thai r/t tfc YL-id + mm mkr	zeTC
13089	1908 LPL	Gral. Pacheco R.	ARG S r/t tfc OM-id `Pacheco R`	zeTC
13119	2040 TFA	Reykjavik R.	ISL Icelandic OM wkg to ship	zeTC
13161	2044 HLS	Seoul R.	KOR mm mkr	zeTC
16819,5	1906 1097`	CAMSLANT Chesapeake	USA sitor-cw id `1097`(selcall)	zeTC
16960	0958 HZY	ARAMCO Ras Tanura	ARS cw-cq tfc list	zeTC
17103	1612 XSG	Shanghai R.	CHN cw cq mkr	pcG
17184,8	1220 KFS	S.Francisco R.	USA cw-cq mkr	pcG
17239,7	1222 PKX	Jakarta R.	INS cw-cq mkr	pcG
17227,6	1628 ZLO	Ny Irirangi	NZL cw-de ZLO ZAY ZNI	zeTC
17230	2053 CWA	Cerrito R.	URG cw-cq de CWA qsx	zeTC
19761	1612 PPO	Olinda R.	B P r/t tfc OM-id	zeTC
19782	1610 LZW	Varna R.	BUL E tfc list	zeTC

## A E R O (Ground - stations)

11300 1132 Triopli Aero LYB ctc ALITALIA 840 nr76

## A E R O (aircrafts)

Nothing to report....

## D I G I T A L

53,6	2201 RTO	Moscow Meteo	RUS fax 120/576 wind forecast	zeTC
518	2244 9AS	Split R.	HRV navtex/100 nav wng nr 68/99	zeTC
3359	2200 NAA	USNy Cutler	USA fax 120/576 idling	zeTC
3486	1922	AF Zvolen	SVK F6DK/cw+rtty 50/350 lgps	mszeTC
3814	1800 FDG	AF Bordeaux	F ITA2/50/850 cont freq list	pcG
3820,5	2030 NRK	USNy Keflavik	ISL fax 120/576 idling relay	NAzeTC
3875	2150 RBI72	Moscow Meteo	RUS fax 90/576 surface analysis	zeTC
4689,5	1902 GXQ	London DCN	G PICC/6 2ch ch1 op chat toMUH	pcG
4822,9	1830 ?	unid? DCN	? PICC/? s/ch cont crypto	pcG
4970,7	1359 ?	unid?	? ARQE/48/170 idle 24hr	pcG
4972,4	1930 ?	unid? German	D ARQE/96/850ld GermanPol.net?	pcG
5077,5	1620 FDG	AF Bordeaux	F ITA2/50/400 le brick + ry	pcG
5285	1850 RBX71	Tashkent Meteo	UZB fax 90/576 1000hPa analysis	zeTC
5400,5	1824 ?	unid? DCN	? PICC/12 s/ch cont crypto	pcG
5410,5	1354 ?	unid? DCN	? PICC/? s,ch idle	pcG
5430	1834 RFF?	unid? FF	? ARQE/184,7/400 cont idle	pcG
5455,5	1730 ?	unid? DCN	? PICC/? s/ch idle	pcG
5478,5	1545 ?	unid? DCN	? PICC/? s/ch idle	pcG
5793,5	1810 MUH	unid? DCN	? PICC/6 2ch idle/crypto chat	pcG
5890	2052 RBV78	Tashkent Meteo	UZB fax 60/576 surface analysis	zeTC

EUNL1999

6445,1	1910		Murmansk Meteo	RUS	fax 120/576 prognoz (LSB)	zeTC
6705	0955		Two unid stations	?	RTTY 50 chatting in German	abNL
6830,5	2050	?	unid? DCN	?	PICC/12 s/ch cont crypto	pcG
6837	1230	FDG	AF Bordeaux	F	ITA2/50/850 cont freq list	pcG
6845,5	2030	?	unid? DCN	?	PICC/? s/ch cont crypto	pcG
7404,9	2350	ATP57	New Delhi Meteo	IND	fax 120/576 wind progno,(LS	zeTC
7508	2210	ZRO2	Pretoria Meteo	AFS	fax 120/576 anal for shippiz	zeTC
7906,4	1550		Murmansk Meteo	RUS	fax 120/576 surface analysis	zeTC
7987	1605	FDG	AF Bordeaux	F	ITA2/50/850 repeat.freq.list	pcG
8144	0600	RUM8	Moscow Meteo	RUS	fax 120/576 analysis AT-300	zeTC
8432	1510	YLQ	Riga R.	LVA	sitor/B 100 E/R nx	zeTC
8444	1905		Murmansk Meteo	RUS	fax 120/576 prognoz (LSB)	zeTC
8453	1030	FUG	Ny La Regine	F	RTTY 75 RY tape	abNL
8590	2224		UNID	?	rtty 100/850aak zz zz de	PIzeTC
8642	1028	MGJ	Ny Faslane	G	RTTY 75 CARB	abNL
8677	2312	CBV	Playa Ancha R.	CHL	fax 120/576 surface analysis	zeTC
9014	0916	RUM8	Moscow Meteo	RUS	fax 120/288 surface analysis	zeTC
9970	1624	JMH3	Tokyo Meteo	J	fax 120/576 temperature 750	zeTC
10100,8	1015	DDK	Hamburg Meteo	D	RTTY 50 wx	abNL
10132,5	1800	RFF--	FF unid?	?	ARQE/184,6/400 cont idle	pcG
10536	0842	CFH	CF Halifax	CAN	RTTY 75 wx	abNL
10865	2034	NAA	USny Cutler	USA	fax 120/576 idling	zeTC
10952	1010	HBD20	MFA Bern	S	ARQ 100 encr. to var. embas	abNL
11080	1712	YKP28	SANA Damascus	SYR	rtty 50/425 F nx	zeTC
12789,9	0151	NMG	USCG New Orleans	USA	fax 120/576 GOES-8 satellit	zeTC
13479,7	1827	RFFP	Paris FF	F	ARQE342/200/400/2chFDXA/FDX	pcG
13597	1943	JMH4	Tokyo Meteo	J	fax 120/576 surface pressur	zeTC
13900	1950	BMF	Taipei Meteo	TWN	fax 120/576 wind analysis	zeTC
14160	1314	RPFNG	Ny Alges	POR	RTTY 75 msg to RPFNN Lisboa	abNL
14366,9	2010	BAF8	Beijing Meteo	CHN	fax 120/576 heigh analysis	zeTC
14692,5	1938	JMJ4	Tokyo Meteo	J	fax 120/576 wind analysis	zeTC
16025,9	2340	BAF9	Beijing Meteo	CHN	fax 120/576 surface progno,	zeTC
16039,5	1620	MKK	DCN Stanbridge	G	rtty 50 VFT test de MKK ry	zeTC
16421,7	1145	RFTJ	FF C.Vert	SEN	ARQE3/48/400 TJF cdv	pcG
16777	1604	DZX	PNA Manila	PHL	sitor/B 100 E/Malay nx	zeTC
16787	1635	DZX	PNA Manila	PHL	sitor/B 100 E/Malay nx	zeTC
16800	1430	DZX	PNA Manila	PHL	sitor/B 100 E nx	zeTC
16836	2015	UFL	Vladivostok R.	RUS	sitor/A 100 qtc to UDHO	zeTC
16887	1532	LZW	Varna R.	BUL	sitor/B 100 Bulgar nx	zeTC
16915	1610	RFVIE	FNy Le Port	REU	rtty 50/850 oo faaa de RFV	zeTC
16927	1530	UIW	Kaliningrad R.	KAL	ITA2/50/170 blind call	pcG
16971	1630	JJC	KYODO Tokyo/Nazaki	J	fax 60/576 J/E nav warnings	zeTC
17146,6	2130	CBV	Playa Ancha R.	CHL	fax 120/576 surface progno,	zeTC
17177	1432	URK9	Kertch R.	UKR	cw/ITA2/50/170 fast calls	pcG
17180	1040	FUG	Ny La Regine	F	RTTY 100 test tape	abNL
18060	0450	AXI36	Darwin Meteo	AUS	fax 120/576 isotherms SE As	zeTC
20469	0606	AXM37	Canberra Meteo	AUS	fax 120/576 wind analysis	zeTC
22850	0950	3MA26	CNA Taipei	TWN	fax 120/576 CH nx txt	zeTC

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	rcvd/gvn	QRG	Callsign	Power	Name
ALG-Boufarik R.	48	f/d lt 2 fup`s	16932	7TF		lrG
All Australian maritime stations		ceased cw-operations on				february 1st, 1999.....
AUS-Darwin R.	660	f/d lt,ppc f/up	8487	VID		nr76
CHN-TS Lintong	20	lt,i 4 fup`s	2500	BPM		lrG
D -Gny Nordholz	18	f/d ppc f/up	3939	DHJ78	1000 w	ai47
D -NDB Bautzen	34	ppc,st,info/vc,ms	359	`BA`	-	zeTC
D -NDB München	4	ppc/SASE	385	`MSE`	100 w	js38
D -NDB Rothenbach	7	ppc (direct)	415	`RTB`		nr76
D -NDB Friedrichshafen	29	f/d lt f/up	473	`FHA`	100 w	lrG
D -Offenbach Meteo	11	f/d lt	14467			lrG
E -NDB Sagunto	21	ppc,lt,i	356	`SGO`		nr76



EUNL1999

E	-NDB Zaragoza	14	cd (direct)	348	`ZZA`		nr76
EM	was a short time longwave		NDB in 1992. 7 years later		solved!	TNX to mo76	!!!!
EST	-Kuressaare Rescue	14	cd,lt	5680			nr76
F	-CROSS soulac	10	p/d lt fax rpt	2182			lrG
F	-Monaco R. via St. Lys	25	lt,i/-	8806	3AC		js38
F	-NDB Dinard	8	f/d lt ff rpt	390	`DR`		lrG
F	-NDB Limoges	8	ppc/sae	320	`LSU`		lrG
F	-NDB Millau/Larzac	14	ppc (direct)	315	`MIL`		nr76
F	-NDB Paris-Orly	20	f/d lt ms back	349	`OYE`	50 w	lrG
F	-NDB Quimper	30	p/d lt	???	`RQ`	50 w	lrG
F	-NDB St. Nazaire	17	n/d lt,tech-info	308,5	`NZ`		lrG
F	-NDB Valence/Chabeuil	14	ppc (direct)	320	`VE`		nr76
F	-NDB Valenciennes	9	ppc/sae	317	`VS`		lrG
F	-NDB Le Mans	14	ppc/sae	326	`LM`		lrG
F	-NDB Ile de Sien	8	ppc/sae	289,5	`SN`		lrG
F	-NDB Saint Nazaire	9	ppc/sae	398	`MT`	25 w	lrG
F	-NDB Villacoublay	40	f/d lt f/up	315	`HOL`		lrG
F	-NDB Chateaudun	46	f/d lt f/up	359,5	`CDN`		lrG
F	-NDB Laval	49	p/d busi-cd	401	`LA`		lrG
FNL	-NDB Mariehamn	8	ppc,irc	392	`GDY`	200 w	lrG
G	-HSC Diamant (Hovercraft)	7	ppc,sti/ms	2182	LXHD		js38
G	-NAS Yeovilton	14	ppc	8977	Yeovil Ops		ai47
G	-NDB Butt of Lewis Lt.	35	ppc (direct)	293,5	`BL`		nr76
G	-NDB Cranwell	18	ppc	423	`CWL`	5! w	zeTC
G	-NDB Fife Ness Lt.	14	ppc (direct)	303,5	`FP`		nr76
G	-NDB Gridlness Lt.	18	ppc,lt/vc,ms	311,5	`GD`	200 w	zeTC
G	-NDB Kirkwall	28	ppc	395	`KW`		nr76
G	-NDB Leeds/Barford	26	ppc,f/d lt	402,5	`LBA`	50 w	zeTC
G	-NDB London City Airp	19	ppc/sae	322	`LCY`		lrG
G	-NDB New Galloway	21	ppc	399	`NGY`		nr76
G	-NDB Oxford	2	ppc/sae	367,5	`OX`		lrG
G	-NDB Penzance	4	f/d lt	333	`PH`		lrG
G	-NDB Pt. Lynas	60	ppc,lt via Edingburgh	304,5	`PS`		nr76
G	-NDB Southampton	7	f/d lt,i SAE back	391,5	`EAS`		lrG
G	-NDB Wick	60	ppc,busi-cd,i	344	`WIK`		nr76
GRC	-NDB Ioannina	14	ppc,2 vc f/up	340	`IOA`		nr76
GUM	-USAF Anderson Global	26	n/d lt	11175			lrG
HOL	-NDB Amsterdam	6	f/d lt,i f/up	395	`OA`		lrG
I	-Ancona R.	43	ppc via Rome R.	2182	IPA		lrG
I	-Augusta R.	43	ppc via Rome R.	2628	IQA		lrG
I	-Crotone R.	43	ppc via Rome R.	2182	IPC		lrG
I	-Lampedusa R.	43	ppc via Rome R.	1876	IQN		lrG
I	-Livorno R.	43	ppc via Rome R.	2182	IPL		lrG
I	-Mazara del Vallo R.	43	ppc via Rome R.	2600	IQQ		lrG
I	-MRSC Bari	210	ppc	6815	ICI 06		nr76
I	-Palermo R.	43	ppc via Rome R.	2182	IPP		lrG
IRL	-Ferry Leinster	6y	cd	500	EIQB		js38
IRL	-NDB Clonmell	183	ppc/IRC	387	`CML`	50 w	lrG
IRL	-NDB Dublin	14	ppc via cen-ads	316	`OE`		nr76
IRL	-NDB Dublin	183	ppc/IRC	397	`OP`	25 w	lrG
IRL	-NDB Dublin	13	ppc/IRC (back)	407	`GAR`		lrG
IRL	-NDB Foynes	183	ppc/IRC	395	`FOY`	50 w	lrG
IRL	-NDB Gormanston	14	ppc,lt,cd via cen-ads	334	`GMN`		nr76
IRL	-NDB Loop Head	14	ppc (direct) now DGPS!	311,5	`LP`		nr76
IRL	-NDB Waterford	183	ppc/IRC	368	`WTD`		lrG
IW	-Car Ferry Marrakech	10	ppc,fo/-	8204	CNBT	400 w	js38
IW	-FS Cassard D 614	15	ppc/SASE	2182	FACD	1000 w	gsLX
IW	-FS Courbet F 712	53	ppc,fo/SASE	2182	FACO	250 w	gsLX
IW	-FS Jean de Vienne D	643	64 ppc,fo/SASE	2182	FAJV	1000 w	gsLX
IW	-FS La Fayette F 710	76	ppc,fo/SASE	2182	FAYE	250 w	gsLX
IW	-MV Antares	18	ppc,i,fo/SASE	2187,5	OIWI		gsLX
IW	-MV Arco Dee	16	ppc/SASE	2187,5	MMWE3	250 w	gsLX
IW	-MV Atlantic Compass	15	ppc/SASE	2187,5	SKUN		gsLX
IW	-MV Authenticity	21	ppc/SASE	2187,5	GXZY		gsLX
IW	-MV Black Prince	27	ppc,fo/SASE	2187,5	LATE2		gsLX
IW	-MV Blue Sun	29	ppc/SASE	2187,5	LASG4		gsLX
IW	-MV Bob L	15	ppc/SASE	2187,5	3EKK7	400 w	gsLX
IW	-MV City of Cardiff	10	ppc/SASE	2187,5	MWBY8		gsLX

## EUNL1999

IW -MV CSO Alliance	60	ppc,i/SASE	2187,5	C6CP9		gsLX
IW -MV Cymbeline	28	ppc,lt,fo/SASE	2187,5	LXCZ	250 w	gsLX
IW -MV Dallington	25	ppc/SASE	2187,5	GUTE		gsLX
IW -MV Elisabeth K	14	ppc/SASE	2187,5	OENP	400 w	gsLX
IW -MV European Tideway	13	ppc,i,fo/SASE	2187,5	GFVM	250 w	gsLX
IW -MV Finntrader	9	ppc,i/SASE	2187,5	OJGF	400 w	gsLX
IW -MV Geco Topaz	43	ppc/SASE	2187,5	3FYH3		gsLX
IW -MV Havila Charmer	14	ppc,i/SASE	2182	LAWM4	400 w	gsLX
IW -MV Hydrogas	18	ppc,i/SASE	2187,5	LAJJC2	250 w	gsLX
IW -MV Hyundai Nobility	28	ppc/SASE	2187,5	DGZB		gsLX
IW -MV Lord Citrine	25	ppc/SASE	2187,5	GFDZ	60 w	gsLX
IW -MV Maersk Exporter	9	ppc/SASE	2187,5	PFSN		gsLX
IW -MV Marianne Theresa	18	ppc/SASE	2187,5	OVIV2	300 w	gsLX
IW -MV Multitank Britannia	14	ppc,lt/SASE	2187,5	DIMT		gsLX
IW -MV Norcape	32	ppc/SASE	2187,5	PGJL		gsLX
IW -MV Norland	11	ppc/SASE	2187,5	GUBH		gsLX
IW -MV Norstar	11	ppc/SASE	2187,5	PGJY		gsLX
IW -MV Oil Tracer	15	ppc/SASE	2187,5	GCVD		gsLX
IW -MV Ostertor	17	ppc,fo/SASE	2187,5	MYGN5	125 w	gsLX
IW -MV Putford Athena	22	ppc/SASE	2187,5	MQDW9		gsLX
IW -MV Scot Ranger	13	ppc,fo/SASE	2187,5	C60P8		gsLX
IW -MV Seaspring	16	ppc/SASE	2187,5	GJBH		gsLX
IW -MV Seaway Falcon	25	ppc,lt,i	2187,5	MTFA3	750 w	gsLX
IW -MV Spica	19	ppc,i/SASE	2187,5	OZFJ2	750 w	gsLX
IW -MV Stena Explorer	16	ppc/SASE	2187,5	MVBD8	400 w	gsLX
IW -MV Stena Voyager	16	ppc/SASE	2187,5	MWJH3		gsLX
IW -MV Stirling Clyde	25	ppc/SASE	2187,5	C6NX8	150 w	gsLX
IW -MV Stirling Dee	19	ppc/SASE	2187,5	GFGR		gsLX
IW -MV Tankvik	9	ppc/SASE	2187,5	SLHN		gsLX
IW -MV THV Patricia	50	ppc/SASE	2187,5	GBTH	400 w	gsLX
IW -MV UKD Marlin	11	ppc,i/SASE	2187,5	MSBK2		gsLX
IW -MV Västankvik	14	ppc/SASE	2187,5	SITA		gsLX
IW -MV Viking Seeker	31	ppc,lt/SASE	2187,5	GHMW		gsLX
IW -MV Zim Ashod	27	ppc/SASE	2187,5	9HZX3	250 w	gsLX
IW -Rig Jack Bates	28	ppc/SASE	2187,5	HP9156	200 w	gsLX
IW -RV Professor Albrecht Penck	62	ppc/SASE	2187,5	Y3CH	300 w	gsLX
J -CRL Koganei	22	cd,info/IRC	8000	JJY		js38
J -Hamajima Chuo Gyogyo	12	ppc,fo	16977	JFH	2000 w	js38
J -Shizuoka-ken Gyogyo	18	ppc	16977	JFG	1000 w	js38
MDR-Porto Santo R.	29	lt f/up	2182	CTQ		lrG
MEL-NDB Mellia	27	f/d ppc (via HQ)	292	MLL	250 w	ai47
MRT-FNy Pointe-des Sables	17	f/d lt	22537	FUF		lrG
NCL-FNy Noumea	38	QSL sheet/vc	8646	FUJ	-	zeTC
NMB-Walvis Bay R.	30	f/d ppc	4384	V5W	10000 w	ai47
NMB-Walvis Bay R.	34	f/d lt 2 fup's	2182	V5W		lrG
NOR-NDB Morskogen	21	ppc via cen-ads	324,5	MSK		nr76
POL-NDB Belchatow	28	ppc via cen-ads	385	MT		nr76
POL-NDB Elblag	21	ppc via cen-ads	345	BT		nr76
POL-NDB Kolobrzeg	21	ppc via cen-ads	475	SC		nr76
POR-Apulia R.	18	f/d cd	2657	CTN		lrG
POR-NDB Faro	70	ppc,lt	332	FAR		nr76
SEN-FNy Dakar	57	f/d cd f/up	16951,5	6WW		lrG
SEN-FNy Dakar/Rufisque	158	cd/vc	12857	6WW	5000 w	zeTC
SUI-NDB Emmen	14	ppc via Berne-Belp	ATC 347	EM		nr76
TUR-NDB Sivas	21	ppc,vc	310	SIV		nr76
TWN-CNA Taipei	18	ppc/irc,vc	15878	3MA24	10000 w	zeTC
USA-USCG Moriches	49	n/d lt 2 fup's	2182			lrG

## Membership and Money corner:

Fee with thanks received from pcG. TNX dear Peter!!!

Due to renew for July for Lionel (lrG), Alf (alEU) and Paolo (pdCH).

To fd40: Mobile Marine Radio Inc-WLO, 7700 Rinla Avenue, Mobile, Alabama 36619-1199, USA or: 1 WLO Road, Coden, Alabama 36523, USA. (v/s: June Spoon - Accounting) (egCH) TNX, dear Ewald!!!

Addresses/Infos/Veri-signers:

EUNL1999

Lithuanian NDBs: corrections by Rimantas P. (a big thanks Rimantas!, ed)

286 ROK Rokiskis - discontinued (Rokiskis,aero/enroute)  
 307 SIA Siauliai = Siauliai  
 312.6 KA Klaipeda = 312.5 (to be discontinued in 1999)  
 315 ND Nida = 315.5 (future plans not known)  
 312.5 BK Baltijsk id+tone = id+dash (CW)  
 312.5 BT Mys Taran id+tone = id+dash (CW)  
 372 SKD Skaudvile - discontinued (Skaudvile,aero/enroute)

The following new DGPS/NDB facilities are planned here in Lithuania to be installed in 1999 instead of the existing maritime radio beacons:

PLANNED LITHUANIAN MARITIME COASTAL RADIO BEACONS

QRG kHz	Site	G. C.	ID	Emission class	Power, W	Station type	Range, nm	Beam
304,5	Klaipeda	55N43'07'' 21E05'09''	-	300HG1D	100	DGPS	100	nd
305,0	Klaipeda	55N43'07'' 21E05'09''	KA	100HA1A	50	NDB	50	nd

An info from a1EU to last month log of dmRU: (tnx, ed)

>8138 2233 UNID ? usb-endless tape in FF dmRU  
 >(tape contained some indistinct header, names of all days of the week, numbers  
 >from 61 to 69 and names of all months of the year)

This is the SSB part of the French Airforce net (beside cw and rtty 50), e.g. FDC, FDG a.s.o. Unfortunately, no ID of the stations were heard.

French Air Force (by pcg)

-----  
 I have attached the following off air list, and my interpretation of the letters/numbers after the frequency, The long string after the 10520 freq may be a carriage return/letters shift combination corruption before the list repeats?? It would seem only one frequency is activated at a time, and so far only a1a (cw) and f1b (RTTY) modes have been logged,

7987 freq. list + designator/hours/mode symbols

3814cafxf1b 3817cafha1a 4450cafhja1a 4613cafhjj3e 5876cafxf1b  
 6768cafha1a 68175cafha1a 6836cafha1a 6837cafhjf1b 68715cafha1a  
 6910cafhja1a 7476cafhf1b 75025cafhja1a 7513cafha1a 7662cafhxj3e  
 76715cafxf1b 77225cafxf1b 7987cafxf1b 8000cafha1a  
 10520cafha1aabto1qkkowpocafha1a this whole list was repeated  
 continuously

abbreviations: caf = French Air Force ?  
 hj = Heures jour ( daytime operation)  
 hn = Heures nuit ( nighttime operation)  
 hx = Heures unkwown  
 a1a = Morse code  
 f1b = Frequency shift keying RTTY  
 j3e = Speech with suppressed carrier SSB

Here an info about italian coastal stations, supplied by lrg (tnx Lionel,ed)

Hi,

I received a batch of PPC's for various Italian MF coastal stations via Rome Radio and also received a letter with info on situation with regards to qsl'ing these stations which might be of interest.The complete text is reproduced below.

Dear Lionel,

Sorry for decease but beginning november 93 the Italian coast radio station suffered a lot of changes. As a cyclone in the summertime from the post office state. Public administration were for political indications passed to a state [IRITEL]controlled company which on august 97 was fused others public & private communications companies in TELECOM ITALIA Spa.

During this passage the 21 Italian coast radio stations passed from a locally manned by operators, technicians and chiefs to a telecommand system of work. The first passage was to 6 centres, the second step to only two operative centres.

In this conditions the letters and many other public relations suffered a lot of problems, and amateurs too, I beg your pardon.

Before every single station used a personal QSL card, now we try to make a new one but is not ready. I confirm the voice generally is a male digital recorded voice, but some times and during emergencies we use natural voice.

As for your information from the operative centre of Rome Radio are controlled the RCS of : Genova / ICB, Livorno / IPL, Civitavecchia / IPD, Roma / IAR, Cagliari / IDC, Porto Torres / IZN, Porto Cervo / IPK, (Bari / IPB wt ) Pescara / IPE (north vhf), San Bernedetto del Tronto / IQP, Ancona / IPA, Ravenna / IPQ, Venezia / IPN, Trieste / IQX, and

From the operative centre of Palermo are controlled the RCS of:

Napoli / IQH, Messina / IDF, Augusta / IQA, Lampedusa / IQN, Mazara del Vallo / IQQ, Trapani / IQM, Palermo / IPP, Crotone / IPC, (Bari/IPB RT-VHF) (Pescara / IPE south beamed vhf)

Senior radio operator assistant, old merchant navy radio officer

FCC-IACONO Giovanni Michele.

FHA NDB Friedrichshafen: Control Tower, Flughafen Friedrichshafen, P.O. Box 1520, D- 88005 Friedrichshafen (lrg)  
 LM NDB Le Mans: Direction Generale de L'aviation Civile Ouest, Aerodrome Le Mans-Arnage, F- 72100 Le Mans (lrg)  
 SN NDB Ile de Sien: Subdivision des Phares et Balises, B.P. 36, F- 29801 Brest-Cedex (lrg)  
 MT NDB Saint Nazaire: Montoir Aeroport, F- 44600 Saint Nazaire (lrg)  
 HOL NDB Villacoublay: Commandant Le Base Aerienne 107, Aeroport Villacoublay Velizy, F- 78140 Versailles (lrg)  
 CDN NDB Chateaudun: Aeroport Chateaudun, F- 28200 Chateaudun (lrg)  
 LA NDB Laval: Aeroport Beausoleil, F- 53260 Entrammes (lrg)  
 IRL Central Address: S.E.M. Officer in Charge, Engineering Division, Irish Aviation Authority, New Control Tower Building, Hunstown, Clochran, Co Dublin (lrg)  
 CTQ Porto Santo R.: AP 3, P- 9400 Porto Santo (lrg)  
 3AC: Monaco Radio wrote, that they use the old St. Lys frequencies and even the transmitters! (js38).  
 JFH Hamajima Chuo Gyogyo: Mie-ken Gyogyo Musen Kyoku, Hamajima Kusu 3564-2, Hamajima-cho, Shima-gun, Mie-ken, JAPAN (js38)  
 JFG Shizuoka-ken Gyogyo: Gyogyo Kyodo Kumiai, Shizuoka-ken M.G.K.K., Fishery Radio Station JFG, Chief Radio Operator, 1991-1 Tajiri, Yaizu-shi, Shizuoka-ken (js38)  
 DHJ78 GAF Nordholz: Marinefliegergeschwader 3 "Graf Zeppelin, Flugbetriebsstaffel / Fernmeldestelle, Feuerweg 6, D- 27637 Nordholz (ai47)  
 MLL NDB Mellia: AENA, Division Juan I. Luca de Tena,14, 3a, E- 28027 Madrid (ai47)  
 NAS Yeovilton: Royal Naval Flight, 899 Squadron, Royal Naval Base Yeovilton, Yeovilton, UNITED KINGDOM (ai47)  
 3MA24 CNA Taipei: CNA,209 Sungkiang Road, Taipei 10430, R,O,C, (v/s Charles Hung, Director) (zeTC)  
 GD NDB Gridlness Lt.: Northern Lighthouse Board,84 George Street, Edinburgh EH2 3DA, Scotland (v/s Peter Douglas, Radio Engineer) (zeTC)  
 BA NDB Bautzen: Flugplatz Bautzen,Betreiber-gesellschaft mbH, D-02627 Purschwitz (zeTC)  
 LBA NDB Leeds/Barford: Leeds/Barford International Airport, Leeds LS19 7TU, England v/s (Catherine Waddington, Air Traffic Engineer) (zeTC)  
 V5W Walvis Bay R.: Telecom Namibia Ltd., walvis Bay Radio, P.O. Box 267, walvis Bay, NAMIBIA (ai47)(v/s: John Shelley-Supervisor)(lrg)  
 CROSS Soulac: 23 Boulevard de l'Amelle, 333780 Soulac Sur Mer (lrg) (FAX 0556 097 973)

## EUNL1999

BPM TS Lintong: Shaanxi Astronomical Observatory, Chinese Academy of Sciences, P.O. Box 18, Lintong, Xian (lrg)  
 (v/s: Guo Qingsheng-Planning Section of CSAO)(lrg)  
 USCG Moriches: 408 Atlantic Avenue, Boston, MA 02110 (lrg) (v/s: A.J. Keith)  
 USAF Anderson Global: Dept. of the Airforce, 36 Communications Squadron/SCBG, Unit 14009, APO AP 96543-4009 (lrg)  
 (v/s: Kristine M. Ritter - Sr. A. USAF, HF Radio Operator)  
 DR NDB Dinard: Aerodrome de Dinard-Pleurtuit-St. Malo, F- 35730 Pleurtuit (lrg)  
 OYE NDB Paris-Orly: Aeroport de Paris, Sercie Technique, Securite Aerienne Sud, Batiment 401, Orly Sud 101, F- 94396 Orly Aerogare Cedex (lrg)  
 NZ NDB St. Nazaire: Saint Naizaire, Quai des Fregates, BP 422, F- 44616 Saint Nazaire (lrg)  
 PH NDB Penzance: The Heliport, Eastern Green, Penzance, Cornwall TR18 3AP  
 OA NDB Amsterdam: Luchtverkeersleding Nederland Stationspelein Zuid west 1001, 1117 cv Schipol-Oost (lrg)  
 LSU NDB Limoges: Limoges Bellegarde Aeroport, F- 87490 Landouge (lrg)  
 RQ NDB Quimper: Aerodrome de Brest/Guipavas, BP 56, 29490 Guipavas (lrg)  
 VE NDB Valence/Chabeuil: Ministere des Transports, Direction de l'Aviation Civile Centre-Est, Aerodrome de Valence/Chabeuil, F- 26420 chabeuil (nr76)  
 IOA NDB Ioannina: Civil Aviation Authority of Greece, Ioannina Airport (nr76)  
 GMN NDB Gormanston: Irish Aviation Authority, Aviation House, Hawkins Street, Dublin 2 (nr76)  
 FAR NDB Faro: NAV-Navegacao Aerea de Portugal EF, Manutencao da Navegacao Aerea de Faro, Apartado 2085, Aeroporto de Faro, P- 8001-701 Faro (nr76)  
 ZZA NDB Zaragoza: AENA, Direccion regional N.A., Aeropuerto Zaragoza, E- 50011 Zaragoza (nr76)  
 SIV NDB Sivas: Mr. Sami Bogdemis, Air Traffic Control, Sivas Airport (no real address given) (nr76)  
 KW NDB Kirkwall: Engineering Manager, NATS TELS, Dalcross Aerodrome, Inverness IV1 2JB (nr76)  
 NGY NDB New Galloway: National Air Traffic Service Ltd., Atlantic House, Sherwood Road, Prestwick, Ayrshire KA9 2NR (nr76)  
 WIK NDB Wick: Highland and Island Airports, Wick Airport, Caithness KW1 4QP(nr76)(phone 01955/602215; fax 01955/604447; v/s Mr. Duncan, Trainee ATCO Wick)

3EKK7 Bob L: Lalemant NV, Doornzelestraat 71, B-9000 Gent (gsLX)  
 3FYH3 Geco Topaz: Geco-Prakla, Postboks 330, Bjergstedveien 1, N-4001 Stavanger, Norway (gsLX)  
 9HZX3 Zim Ashod: Ofer Brothers Ltd., PO Box1755, 2 Hanamal Street, Haifa 33411, Israel (gsLX)  
 C6CP9 CSO Alliance: Coflexip Stena Offshore Ltd, Greybrook House, 28 Brook Street, London W1Y 1AG, UK (gsLX)  
 C6NX8 Stirling Clyde: Stirling Shipmanagement Ltd, 16 Woodside Crescent, Glasgow G3 7UT, UK (gsLX)  
 C6OP8 Scot Ranger: Scotline Ltd., 75 Main road, Gidea Park, Romford RM2 5EL, UK (gsLX)  
 DGZB Hyundai Nobility: Friedrich A. Detjen GmbH, Kajen 6-8, D-20459 Hamburg (gsLX)  
 GBTH THV Patricia: Trinity House, Tower Hill, London EC3N 4DH, UK (gsLX)  
 GCVD Oil Tracer: Tidewater Marine North Sea Ltd., Souter Head Road, Altens Industrial Estate, Aberdeen AB12 3LF, Scotland (gsLX)  
 GFDZ Lord Citrine: Lothian Shipping Services Ltd., Unicom House, 53-55 High Street, Middlesex HA4 7AZ, UK (gsLX)  
 GFGR Stirling Dee: Stirling Shipmanagement Ltd., 16 Woodside Crescent, Glasgow G3 7UT, UK (gsLX)  
 GFVM European Tideway: P&O North Sea Ferries BV, Postbus 1123, NL-3180 AC Rozenburg, The Netherlands (gsLX)  
 GHMW Viking Seeker: Viking Standby Ltd., Annat House, South Quay, Ferryden, Montrose DD10 9UB, UK (gsLX)  
 GJBH Seaspring: Briggs Marine Environmental Services Ltd., Leading Light Building, 142 Sinclair Road, Torry, Aberdeen AB1 3PR, Scotland (gsLX)  
 GUBH Norland: P&O North Sea Ferries BV, Postbus 1123, NL-3180 AC Rozenburg, The Netherlands (gsLX)  
 GUTE Dallington: Stephenson Clarke Shipping Ltd., Eldon Court, Percy Street, Newcastle upon Tyne NE99 1TD, UK (gsLX)  
 GXZY Authenticity: FT Everard & Sons Ltd., The wharf, Greenhite, Kent DA9 9NW, UK (gsLX)

EUNL1999

HP9156 Rig Jack Bates: R&B Falcon Drilling Corp, Suite 200 Three Ashford Place, 901 Threadneedle Street, Houston TX 77079, USA (gsLX)  
LAJC2 Hydrogas: Larvik Shipping, Iver Jernskegsvei 12, N-3250 Larvik (gsLX)  
LASG4 Blue Sun: LMG Marine AS, Solheimsgaten 9C, N-5024 Bergen, Norway (gsLX)  
LATE2 Black Prince : Fred Olsen & Co., Postboks 1159 Sentrum, Fred Olsensgate 2, N-0107 Oslo, Norway (gsLX)  
MMWE3 Arco Dee: Hanson Aggregates Marine Ltd., Burnley Wharf, Marine Parade, Southampton SO14 5JF, UK (gsLX)  
MQDW9 Putford Athena: Putford Enterprises Ltd., Columbus Buildings, Waveney Road, Lowestoft, Suffolk NR32 1BS, UK (gsLX)  
MSBK2 UKD Marlin: UK Dredging, Port of Barry, Port Office, Atlantic Way, No.2 Dock, Barry CF63 3US, UK (gsLX)  
MTFA3 Seaway Falcon: Stolt Comex Seaway AS, Postboks 740, Skogstostraen 37, N-4001 Stavanger, Norway (gsLX)  
MVBD8 Stena Explorer: Stena Line Ltd., Charter House, Park Street, Ashford, Kent TN24 8EX, UK (gsLX)  
MWBY8 City of Cardiff: United Marine Dredging Ltd, Francis House, Shopwyke Road, Chichester, West Sussex PO20 6AD, UK (gsLX)  
MWJH3 Stena Voyager: Stena Line Ltd., Charter House, Park Street, Ashford, Kent TN24 8EX, UK (gsLX)  
MYGN5 Ostertor: Tidewater Marine North Sea Ltd, Souter Head Road, Altens Industrial Estate, Aberdeen AB12 3LF, Scotland (gsLX)  
OIWI Antares: FG-Shipping OY AB, PO Box 406, Lonnotinkatu 21, FIN-00121 Helsinki, Finland (gsLX)  
OJGF Finntrader: FG-Shipping OY AB, PO Box 406, Lonnotinkatu 21, FIN-00121 Helsinki, Finland (gsLX)  
OVIV2 Marianne Theresa: Tankskibsrederiet Herning AS, Utzonhuset, Olufsvaenget 29, DK-7400 Herning, Denmark (gsLX)  
OZFJ2 Spica: Svend Flyvbjerg, Lille Borgerade 17, DK-9400 Norresundby (gsLX)  
PFSN Maersk Exporter: Norfolk Line BV, Postbus 84214, NL-2508 AE The Hague, The Netherlands (gsLX)  
PGJL Norcape: P&O North Sea Ferries BV, Postbus 1123, NL-3180 AC Rozenburg, The Netherlands (gsLX)  
PGJY Norstar: P&O North Sea Ferries BV, Postbus 1123, NL-3180 AC Rozenburg, The Netherlands (gsLX)  
SKUN Atlantik Compass: Transocean Shipmanagement AB, Sydatlanten Skandiahallen, S-403 36 Gothenburg, Sweden (gsLX)  
SLHN Tankvik: Rederi AB Brevik, Stora Badhusgatan 18, S-411 21 Gothenburg, Sweden (gsLX)  
Y3CH Professor Albrecht Penck: Baltic Marine Service GmbH, Fischerweg 408, D-18069 Rostock (gsLX)

Inquiries Department:

This famous work was made by our (8) famous contributors:  
zeTC, abNL, lrG, gsLX, nr76/nrF, js38, pcG, ai47

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

Andreas

A.Ibold - all rights reserved ©

EUROPEAN UTILITY NEWSLETTER 9-1999

\*\*\*\*\*  
\* Editor: Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY \*  
\* Tel.: (49) 02841 / 178529 \*\*\*\*\* e-mail: aibold@aol.com \*  
\* Home page: <http://members.aol.com/aibold/EUNL.htm> \*  
\* Treasurer: Norbert Reiner \*  
\* Membership fees to: Badische Beamtenbank Karlsruhe \*  
\* Konto Nr.: 2038005 BLZ: 66090800 \*  
\* Dispatcher: Norbert Reiner \*  
\*-----\*  
\* Membership fees for the printed copies: payable to the treasurer \*  
\* Germany: 20 DM; Europe: 20 DM (13 \$); Overseas: 25 \$ or the equivalent in \*  
\* foreign currency - no cheques please!!) \*  
\*\*\*\*\*



## EUNL1999

3216	2229		unid	?	cw-msg 5lg, fast keyed	ti25
3322	2020	R	Ny Ustinov	RUS	cw-Channel marker	zeTC
3339	2355		Ny St. Petersburg	RUS	cw-channelmarker L	ti25
3522,	5 1035	ON4UBA/B	Eclipse PB Arlon/Virton	BEL	cw ID`s	egCH
3768,	5 0722	FDC	AF Metz	F	cw-vvv	ti47
3809	1813	FDG	AF Bordeaux	F	cw-vvv	ti47
3838	1815	SNJ3	unid, tactical	?	cw-clg GNJK, qtc 422	ti47
3882	1749		unid	?	cw-msg 5lg	ti47
4015	0012	FDE14	AF Contrexeville	F	cw-vvv	ti25
4025	1817	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti47
4483	0726		unid	?	cw-single letter, no grps!	ti47
4558	2254	RMP	RUSNy Kaliningrad	KAL	cw-channelmarker P	ti25
4558	2255		Ny Arkhangelsk	RUS	cw-channelmarker S	ti25
4560	2253		Numbers X25 (MOSSAD)	ISR	AM 2 msgs group 88 & 24 5lg	ti25
4880	2023		Numbers X28 (MOSSAD)	ISR	AM msg 5lg	ti25
5064	1756	9MB	Ny Lumut	MLA	cw-id, msg 5ng	ti25
5091	1808		Numbers X31	ISR	AM msg 5lg	ti47
5096,	3 2025		unid	?	cw-msg 5ng, fast, mode: F1A	ti25
5104	2025		unid	?	cw-msg 5lg, handkey	ti25
5154	2025	RMP	RUSNy Kaliningrad	KAL	cw-channelmarker P	ti25
5200,	2 0643	FDE14	AF Contrexeville	F	cw-vvv	ti25
5254	0621		unid	?	cw-msg 5lg	ti47
5310	2028	7KE	unid, tactical	?	USB clg C2R for rdock, OM eet	ti25
5340	0825		Numbers o06 (unid)	?	AM Swedish Rhapsody	ti47
5342	0735	FDY	AF Orleans	F	cw-vvv	ti25
5387	0638	FDE14	AF Contrexeville	F	cw-vvv	ti47
5435	1802		Numbers X35 (MOSSAD)	ISR	AM ART, 2 msgs group 19 & 9	ti25
5446,	5 2030	FDC	AF Metz	F	cw-vvv	ti25
5447	2309	FDG	AF Bordeaux	F	cw-vvv	ti25
5458	0623		unid	?	cw-msg 5ng	ti47
5746	1816		Numbers LP02 (MI6)	CYP	USB msg 5ng	ti47
5756,	5 0629		unid	?	cw-msg 5lg	ti47
5812	1654		unid	?	cw-letter, slow handkeyed	ti47
6782	1601		unid, numbers	?	cw-cont 749 749 74 1	ti25
6817,	5 1948	FDG	AF Bordeaux	F	cw-vvv	ti25
6837	1654	FDE14	AF Contrexeville	F	cw-vvv	zeTC
6838	0708	FDE14	AF Contrexeville	F	cw-vvv	ti25
6838	2210	7BAF	unid, tactical	?	USB clg 4PXP, rdock, OMs eet	ti25
6844,	5 0642	FDC	AF Metz	F	cw-vvv	ti47
6850	1904		unid	?	cw-msg 5lg	ti47
6856,	5 0642	FDG	AF Bordeaux	F	cw-vvv	ti47
6865	0837	FDG	AF Bordeaux	F	cw-vvv	ti47
6871,	5 1427	FDG	AF Bordeaux	F	cw-vvv	ti25
6873	1603		unid	?	cw-msg 5lg, cyrilic	ti25
6938	0644		unid	?	cw-cont, vvv vvv vvv ...	ti47
6953	0740	FDY	AF Orleans	F	cw-vvv	ti25
6965	1858	YMB20	Bandirma Meteo	TUR	cw-vvv	zeTC
6984	1439	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti47
7012,	5 1036	ON4UBA/B	Eclipse PB Arlon/Virton	BEL	cw ID`s //3522,5	egCH
7335,	5 1658	FDC	AF Metz	F	cw-vvv	ti47
7472,	5 0711	FDC	AF Metz	F	cw-vvv	ti25
7484	1043	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti47
7536	1951		unid	?	cw-wkg msg 5lg	ti25
7540	1619		Numbers X53 (MOSSAD)	ISR	AM msg 5lg	ti25
7550	2033	R	Ny Ustinov	RUS	cw Channel marker	zeTC
7572,	5 1450	FDC	AF Metz	F	cw-vvv	ti25
7668	1952	8BY	Intels St, Asisse	F	cw-vvv vvv vvv 8BY 8BY ...	ti25
7712	1456	TBB7	Ny Ankara	TUR	cw-vvv	ti25
7755	1610		Numbers LP07 (MI6)	CYP	USB 78788	ti25
7788	0750	FDE14	AF Contrexeville	F	cw-vvv	ti25
7834,	5 1116	FDC	AF Metz	F	cw-vvv	ti25
7840	2151		Numbers EL01	?	USB msg 5ng, YL in ee,grps	ti25
7948	1615	`CALORIE`	unid, tent, AF	F	USB voice mirror	ti25
7997	1325	`CALORIE`	unid, tent, AF	F	USB voice mirror	ti25
8019	0704		unid	?	cw-msg 5ng	ti47
8055	2056		unid	?	cw-cont, vvv0288, bad handkey	ti25
8084,	5 2001	FDC	AF Metz	F	cw-vvv	ti25
8085	1706		Numbers E34 (CIA)	USA	AM 997, count 112 = 9219,0!	ti47



## EUNL1999

8094,5	1617	FDC	AF Metz	F	cw-vvv	ti25
8138	2247	`CALORIE`	unid, tent, AF	F	USB voice mirror	ti25
8148	0700	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti47
9219	1708		Numbers E41 (CIA)	USA	AM 997, count 112 = 8085,0!	ti47
9263	0758	4XZ	Ny Haifa	ISR	cw-id later msg 5lg	ti25
9285	1409		unid	?	cw-cont, 570 570 570 ...	ti25
9295	1619	FDE14	AF Contrexeville	F	cw-vvv	ti25
9316	0759		unid	?	cw-msg 5lg, slow handkeyed	ti25
10046	0732	4XZ	Ny Haifa	ISR	cw-id VVV DE 4XZ 4XZ = =	ti25
10176	1056		unid	?	cw-msg 5lg, handkeyed	ti47
10270	1633	4XZ	Ny Haifa	ISR	cw-id VVV DE 4XZ 4XZ = =	ti25
10314	0848	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti47
10355	1405		unid	?	cw-msg 5lg	ti25
10408,5	0817	LN2A	NTA Sveio	NOR	cw-id + synch + phasing	ti47
10423	1639		Numbers E46 (CIA)	USA	USB msg 5ng	ti25
10426	1640		Numbers LP11 (MI6)	CYP	USB msg 5ng	ti25
10453	1205		unid	?	cw-msg 5lg, cyrilic	ti25
10520	2022	FDG	AF Bordeaux	F	cw-vvv	ti25
11102	1201	4XZ	Ny Haifa	ISR	cw-msg 5lg, later id	ti47
11170	1244	4XZ	Ny Haifa	ISR	cw-msg 5lg, later id-tape	ti25
11423	1155		unid	?	cw-cont, 537 537 537 64889	ti47
11452	1650		unid	?	AM? melody + tones	ti25
11545	1702		Numbers LP12 (MI6)	CYP	USB 23293	ti25
12075	1100	8BY	Intel St,Asisse	F	cw-vvv	ti47
13467	1204	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti47
13514	1206		unid	?	cw-msg 5ng, 0=T	ti47
13520	1634		Numbers RM07 (unid,RUS?)	?	AM 5ng, OM in RR	ti25
13528	1208	RMP	RUSNy Kaliningrad	KAL	cw-channelmarker P	ti47
13528	1208	RCV	Ny Moskva	RUS	cw-channelmarker C	ti47
13528	1208		Ny Arkhangelsk	RUS	cw-channelmarker S	ti47
14100	2229	YV5B	PB Caracas	VEN	cw id	egCH
14100	2235	CS3B	PB Santo de Serra	MDR	cw id	egCH
14577	1239		Numbers E66 (CIA)	USA	USB msg 5ng	ti25
14648	1213	4XZ	Ny Haifa	ISR	cw-msg 5lg, later vvv de 4XZ	ti47
15822	1709		Numbers E69 (CIA)	USA	AM 064, count 109	ti25
15980	1100		Numbers X86 (MOSSAD)	ISR	AM EZI2	ti47
16273	1728		Numbers E72 (CIA)	USA	AM msg 5ng	ti25
16317	1242	4XZ	Ny Haifa	ISR	cw-id VVV DE 4XZ 4XZ = =	ti25
16332	1219	RCV	Ny Moskva	RUS	cw-channelmarker C	ti47
16332	1219		Ny Arkhangelsk	RUS	cw-channelmarker S	ti47
18110	2117	OH2B	PB Espoo	FIN	cw id	egCH
21150	2121	4U1UN	PB New York City	USA	cw id	egCH
28200	1644	4X6TU	PB Tel Aviv	ISR	cw id	egCH

PB = Propagation Beacon

## M A R I T I M E

518	2141	FUC?	Cherbourg	F	navtex 100 AVURNAV Nr.15	zeTC
519	0102	SDJ	Stockholm R.	S	cw-cq, nac-wngs	ti25
1613	2231	OXZ	Lyngby R.	DNK	cw-sitor-id	ti47
1614	2227	SUH	Alexandria R.	EGY	sitor + cw-id SUH	zeTC
1656	2335		Chiponia R.	E	USB E/S id,tfc list	egCH
1677	2235	OFK	Turku R.	FIN	E navigation warnings	zeTC
1677	2335		Cabo Penas R.	E	USB E/S id,tfc list	egCH
1704	2146	OXZ	Lyngby R.	DNK	USB nav-wng =1734,0!	ti25
1710	2336	SDJ	Stockholm R.	S	USB wkg nav-wngs, = 1797,0!	ti25
1734	2148	OXZ	Lyngby R.	DNK	USB wkg nav warns = 1704,0!	ti25
1794	2235	SPO	Szczecin R.	POL	USB nav-wngs	ti47
1797	2338	SDJ	Stockholm R.	S	USB wkg nav-wngs, = 1710,0!	ti25
2182	2250		Cabo de Gata R.	E	USB wkg vessel	egCH
2182	0818	OST	Oostend R.	BEL	USB qsy for nav-wngs	ti25
2226	2142		Falmouth CG	G	USB naut. wrngs	egCH
2391	2341		Dutch Ships	IW	USB smalltalk: Soccer!	ti25
2761	0652	OST	Oostend R.	BEL	USB wkg nav-wngs	ti47
3197	1809		German ships	IW	USB smalltalk: weather!	ti47
3282	0706		German Ships	IW	USB smalltalk: weather!	ti25
3340	2236		BEL vessels	IW	USB smalltalk: illness!	ti25
4065	1753	TBO	Ny Izmir	TUR	cw-id vvv for T23C	ti47

EUNL1999

4154,5	0928	DHJ59	Ny wilhelmshaven	D	USB wkg DRDR, msgs, qsl	ti25
4384	1843	V5W	Walvis Bay R.	NMB	sitor + cw id de V5W	zeTC
4438,5	2256	ICS	Ny La Spezia	I	USB code-msg to unid vessel	ti25
6326,5	0631	SAB	Gothenborg R.	S	cw-sitor-\clover-id	ti47
6357	0632	SAA	Karlskrona R.	S	id cq cq cq	ti47
6502	1859	TBB6	Ny Ankara	TUR	cw-vvv	ti47
6779	1945	DREB	FGS Paderborn	IW	USB wkg DHJ59, msgs, qsl	ti47
7895	1959	SPW	Warszawa R.	POL	USB wkg pp to Gdansk	ti47
8200	0723		German Ships	IW	USB smalltalk: 1st May!	ti25
8335,3	2104	DRHM	FGS werra	IW	USB wkg DHJ59, msg, qsl, end	ti25
8335,3	2107	DRAQ	FGS Bremen	IW	USB clg DHJ59, rdock, zbo 15	ti25
8740	0900	OXZ	L yngby R.	DNK	E/Dan YL-voice mirror	zeTC
8974	2110	J8QC7	MV Bothnia Stone	IW	USB wkg Gdynia R. req. pp	ppF
10192,5	1211	DRAS	FGS Rheinland-Pfalz	IW	USB clg DHJ59, rdock	ti25
10722	1454	DHJ59	Ny wilhelmshaven	D	USB wkg DRAQ, msgs, qsl	ti25
10722	1946	DRHF	FGS Alster	IW	USB wkg DHJ59, msgs, qsl	ti47
12584	1928	VIP	Perth R.	AUS	cw-sior+clover-id	ti25
12588	1930	HEC	Bern R.	SUI	cw-sitor-id	ti25
12604,5	2035	9AR	Rijeka R.	HRV	sitor + cw-id 9AR	zeTC
12634,5	1951	TAH	Istanbul R.	TUR	cw-sitor-id	ti25
12678	2045	9MG3	Penang R.	MLA	cw-cq de 9MG/9WH/9VW..	zeTC
13107	1856	XSQ	Guangzhou R.	CHN	CH r/t tfc YL-id	zeTC
13470	1205		German ships	IW	USB smalltalk: wives!	ti47
16821	1915	VRX	Hong Kong R.	CHN	sitor + cw-id VRX	zeTC
16834,5	0803	WNU	Slidell R.	USA	sitor + cw-id WNU	zeTC
16841,5	1947	8PO	Barbados R.	BRB	cw-sitor id	egCH
16880	2232	XSQ	Guangzhou R.	CHN	cw-sitor id	egCH
17141	2201	UFN	Novorossjisk R.	RUS	cw-sitor id	egCH
22425	1942	KHF	Guam R.	GUM	cw-sitor id	egCH
22442	1755	XSV	Tianjin R. (GLOBE)	CHN	cw-sitor id	egCH

A E R O (Ground - stations)

nothing to report !?!?

A E R O (aircrafts)

10027	0842		Al Italia 770	AIR	wkg Praha Milano to Bombay	lvCZ
10027	1658	OK6409	AIR OKUCE Korfu	AIR	wkg ETA LKPR 182	lvCZ
11345	1100		Al Italia 650	AIR	wkg Stockholm selcal EKJP	lvCZ
13342	1445		Virgin 17	AIR	wkg Stockholm LDOC	ppF

D I G I T A L

68,9	2124		unid	?	RTTY 75 cont, encrypted	ti25
122,3	2127		unid	?	RTTY 75 encrypted	ti25
141,4	2135		unid	?	RTTY 75 encrypted	ti25
147,3	2136	DDH47	Meteo Quickborn	D	RTTY 50 AAXX-reprots	ti25
1617,5	2143		unid	?	RTTY 75 cont, encrypted!	ti25
2203	2156	GYA	DCN Northwood	G	RTTY 75 CARB	ti25
2386,7	2204		unid	?	ARQ-E 96 idle	ti25
2515	2208	TBA	Ny Ankara	TUR	RTTY 75 idle on lettershift	ti25
2531	2214		unid	?	RTTY 75 idle on lettershift	ti25
2608,3	2216	FUO	Ny Toulon	F	RTTY 75 RY-SG, INT ZBZ	ti25
2768	2346		unid	?	ARQ-E 48 idle	ti25
2781	2351		unid, NATO	?	RTTY 75 encrypted tfc	ti25
2806	2225	IGJ	Ny Augusta	I	RTTY 100 CARB	ti25
2815	2226	IDR	Ny Roma	I	RTTY 75 CARB	ti25
2840,7	0627		CG Cuxhaven	D	Sitor-A wkg wx Northsea	ti25
3029,5	0654		CG Neustadt-Holstein	D	Sitor-A wx-report baltic	ti25
3288,5	0657		unid	?	ARQ-E 86 idle	ti25
3560	1745	YKW1	SANA Damascus	SYR	RTTY 50 ee-nx	ti25
3782	0005	CTP	Ny Oeiras	POR	RTTY 75 NAWS, QSX	ti25
3899,2	0009	RFFA	FF Paris	F	ARQ-M2 200 idle	ti25
4002	1751	YRR4	Meteo Bucuresti	ROU	RTTY 50 AAXX-reports	ti25
4044	0127	SL8W	unid, tactical	?	RTTY 50 id+RY every 5 mins	ti25
4210,5	0802	EDJ2	Madrid R.	E	Sitor-B wx, forecast	ti25
4214	2244	IDR	Ny Roma	I	RTTY 75 CARB	ti25

## EUNL1999

4215,5	0840	OXZ	Lyngby R.	DNK	Sitor-B danish press	ti25
4280	2248	PBC	Ny Noordwijk	HOL	RTTY 75 CARB	ti25
4295	2251	FUE	Ny Brest	F	RTTY 75 RY-SG-TESTING	ti25
4322	2254	GVA	DCN Northwood	G	RTTY 75 CARB	ti25
4542,5	1757	FDY	AF Orleans	F	RTTY 50 VOYEZ LE BRICK...	ti25
4595,5	2256	FDY	AF Orleans	F	RTTY 50 VOYEZ LE BRICK...	ti25
4601	0935	FDY	AF Orleans	F	RTTY 50 VOYEZ LE BRICK...	ti25
4627,7	0017		unid	?	ARQ-E 184 idle	ti25
4757	0718	7ACP	unid, tactical	?	RTTY 50 clg IK3R, RY, cryptoti25	
4830	0730		unid	?	FEC-A3 192 3channel encryp.ti25	
4832	1805	DFZG	MFA Beograd	YUG	RTTY 75 encr-key MIMIMI...	ti25
4832	2306	RFFX	FF Versailles	F	ARQ-E 184 idle	ti25
4939	2023		unid	?	FEC-A3 192 3channel encryp.ti25	
4971,2	2309		unid	?	ARQ-E 48 idle	ti25
4972,7	0631		unid	?	ARQ-E 96 idle	ti25
5085	1829	LKF	unid	?	RTTY 75 id RY 5ng vy weak!	ti25
5097	0633	CFH	Ny Halifax	CAN	RTTY 75 ZKR-tape	ti25
5131	0815	FDY	AF Orleans	F	RTTY 50 VOYEZ LE BRICK...	ti25
5157	0725		unid	?	RTTY 50 online encrypted	ti25
5184	0819	FDY	AF Orleans	F	RTTY 50 VOYEZ LE BRICK...	ti25
5238	0820	FDI22	AF Narbonne	F	RTTY 50 VOYEZ LE BRICK...	ti25
5254	0709		unid	?	ARQ-E 72 idle	ti25
5257,5	0729	FDI22	AF Narbonne	F	RTTY 50 VOYEZ LE BRICK...	ti25
5292	2027		unid	?	FEC-A3 192 3channel encryp.ti25	
5312	1613	DFZG	MFA Beograd	YUG	RTTY 75 encr-key XIXIXIXI..ti25	
5376,5	0806	OST	Oostend R.	BEL	cq, tfc-list, service-msg	ti25
5400	1651	YOG37	Meteo Bucuresti	ROU	RTTY 50 plain text-wx	ti25
5438	1859		unid	?	ARQ-E 72 idle	ti25
5720	0715		unid	?	FEC-A3 192 3ch encrypted	ti25
5773,2	1618	HBD20	MFA Bern	SUI	Sitor-A ending NO MESSAGE+?	ti25
5781	0641		unid	?	RTTY 75,weak sig.,RY-tape	ti25
5781	0743		unid	?	ARQ-E 86 idle, off at 0745	ti25
5937,7	0032		unid	?	ARQ-E 192 idle	ti25
6348	1855	FUE	Ny Brest	F	RTTY 150 TESTING-RY-SG	ti25
6791,7	2115		unid	?	ARQ-E3 192 idle	ti25
6792	0643	DFZG	MFA Beograd	YUG	RTTY 75 encr-key XLXLXLXL..ti25	
6862,7	0037	RFFVAEA	FF Dhahran	ARS	ARQ-E3 200 idle	ti25
6929	0947		unid	?	ARQ-E3 192 idle	ti25
6961	1906		unid, RUS diplo?	?	RTTY 75 msg 5lg, ending	ti25
6977	1026	FDG	AF Bordeaux	F	RTTY 50	ti25
7313,9	0840	OZU25	MFA Kobenhavn	DNK	T-PLEX diplo-news	ti25
7389,7	2047		unid	?	ARQ-E 72 idle	ti25
7460	0749	FDG	AF Bordeaux	F	RTTY 50 VOYEZ LE BRICK...	ti25
7480	0743		unid	?	RTTY 40,5 online encrypted?	ti25
7506	0949	FDY	AF Orleans	F	RTTY 50 VOYEZ LE BRICK...	ti25
7602	2147	FDI22	AF Narbonne	F	RTTY 50 VOYEZ LE BRICK...	ti25
7603,9	0706	SAM	MFA Stockholm	S	SWED-ARQ msg 5lg	ti25
7606,7	0751	RFFA	FF Paris	F	ARQ-E3 192 idle	ti25
7634	1443		unid	?	ARQ-E 72 idle	ti25
7642,7	2020	RFFA	FF Paris	F	ARQ-M2 200 idle	ti25
7665	1316	SNN299	MFA Warszawa	POL	POL-ARQ POL-nx, diplo-tfc	ti25
7678	1219	HBD20	MFA Bern	SUI	Sitor-A msg 5lg	ti25
7717	1954		unid	?	Sitor-A scrambled text,AA?	ti25
7722,5	1939	FDG	AF Bordeaux	F	RTTY 50 VOYEZ LE BRICK...	ti25
7755,2	1613	RFQP	FF Djibouti	DJI	ARQ-M2 200 idle	ti25
7784	0746	NAA	USNy Cuttler, ME	USA	RTTY 75 wkg TAF-reports	ti25
7792	2024		unid	?	RTTY 75 encrypted tfc	ti25
7808	0657	DFZG	MFA Beograd	YUG	FEC-A 144 encr, XYXYXY...	ti25
7810	1428	LKF	unid, RUS diplo?	?	RTTY 75 id, RY, msg 5ng	ti25
7817	1042		unid	?	FEC-A3 192 3ch encrypted	ti25
7828	1914	FDI22	AF Narbonne	F	RTTY 50 VOYEZ LE BRICK...,	ti25
7863,5	0658	SPW	Warszawa R.	POL	Sitor-B cq, tfc-list	ti25
7892,3	1946	RFFLC	unid FF	F	ARQ-E3 100 msg tp RFVICF	ti25
7944	2237	U1K	unid, tactical	?	RTTY 75 id, RY, QTC,msg 5ngti25	
7975	1458	SPW	Warszawa R.	POL	Sitor-B POL-nx	ti25
7987	1047	FDG	AF Bordeaux	F	RTTY 50 VOYEZ LE BRICK...	ti25
8050,2	2322	RFQP	FF Djibouti	DJI	ARQ-M2 200 idle	ti25
8078	1913	AND21	ROU Emb Madrid	E	RTTY 75 id,62,62,62,ND21...ti25	

## EUNL1999

8089	2058		unid, tent, NATO	? RTTY 75 online encrypted	ti25
8105	1949	RFFX	FF Versailles	F ARQ-E 184 idle	ti25
8108,2	2323	RFQP	FF Djibouti	DJI ARQ-M2 200 idle	ti25
8194	2007	FDI22	AF Narbonne	F RTTY 50 voyez le brick...	ti25
8299	0726		unid, NATO?	? RTTY 75 encrypted tfc	ti25
8388	1918	SLCH	MV ASTER	IW Sitor-A wkg GothenborgAMVERT	ti25
8417	2101	GKE4	Portishead R.	G Sitor-B service information	ti25
8420,5	2034	HEC	Bern R.	SUI Sitor-B wkg tfc-list	ti25
8423	2113	LZW	Varna R.	BUL Sitor-B BUL press-review	ti25
8427,5	0850	SPA	Gdynia R.	POL Sitor-B tfc-list	ti25
8430	1014	UHK	Batumi R.	GEO Sitor-B press, sports	ti25
8453	2044	FUG	Ny La Regine	F RTTY 75 RY-SG-TESTING	ti25
8465	2045		unid	? RTTY 100 cont, encrypted!	ti25
8551,5	2049	CTP	Ny Oeiras	POR RTTY 75 NAWs, QsX	ti25
8568	2051	FUV	FNy Djibouti	DJI RTTY 75 RY-SG-TESTING	ti25
8642	2054	GYA	DCN Northwood	G RTTY 75 CARB	ti25
9041	1955	5YE	Meteo Nairobi	KEN RTTY 100 AAXX-reports	ti25
9046	1128	DFZG	MFA Beograd	YUG RTTY 75 encr-key HHHHHH...	ti25
9079,7	2259	RFQP	FF Djibouti	DJI ARQ-E3 100 idle	ti25
9123	2315		unid	? ARQ-E 184 idle, no id	ti25
9126,7	2319	RFTJD	FF Libreville	GAB ARQ-E3 192 idle	ti25
9130	2012	GYA	DCN Northwood	G RTTY 75 CARB	ti25
9135	2008	FDI22	AF Narbonne	F RTTY 50 VOYEZ LE BRICK	ti25
9150	0758	ZLG	unid POL diplo	? RTTY 75 clg SNG205, RY	ti25
9162	1628		unid	? RTTY 75 msg 5lg, opchat	ti25
9175	1359		unid SUI diplo	? Sitor-A msg 5lg	ti25
9259	1632	P6Z	MFA Paris	F FEC-A 192 idle	ti25
9268	1207		unid	? RTTY 50 online encrypted?	ti25
9363,7	1331		unid	? ARQ-E 184 idle	ti25
9393	0956		unid SER diplo	? FEC-A 144 encr-key XYXYXY..	ti25
9907,7	1354	RFFA	FF Paris	F ARQ-M2 200 idle	ti25
10130	0801		unid	? RTTY 50 online encrypted?	ti25
10133	1354		unid	? ARQ-E 184 idle	ti25
10177,7	0734	RFFA	FF Paris	F ARQ-E3 192 idle	ti25
10248	1007	KIT	BUL Emb Kiev	UKR RTTY 75 msg 5ng, handtyped!!	ti25
10281,3	2340	RFLIG	FF Cayenne	GUF ARQ-E 192 idle	ti25
10314	1611	SNN299	MFA Warszawa	POL POL-ARQ press-review in ee	ti25
10366	2017		unid	? ARQ-E 48 idle	ti25
10411,7	1640		unid	? Sitor-A encr, tfc	ti25
10424	1401	YMA20	Meteo Ankara	TUR RTTY 50 TAF - reports	ti25
10445	2326	ZRH	Ny Capetown	AFS RTTY 75 clg YWM for ZBZ	ti25
10482	0850	RGA	MFA Moskva	RUS RTTY 75 msg 5lg	ti25
10484	1012	DOR	MFA Sofia	BUL RTTY 210 msg to ZMD (unid)	ti25
10515	2122		unid	? RTTY 75 msg 5ng	ti25
10536	2333	CFH	Ny Halifax	CAN RTTY 75 forecast-wx	ti25
10576,5	1644		unid	? RTTY 75 online encrypted	ti25
10626	0806	RFFXL	FF Naqura	LBN ARQ-E 184 idle	ti25
10655	1408		unid	? RTTY 75 msg 5lg	ti25
10700	0810		unid	? FEC-A3 192 3 channel encrypt	ti25
10822	1052	DFZG	MFA Beograd	YUG FEC-A 144 opchat, idle	ti25
10873,7	1922	RFVI	FNy Le Port	REU ARQ-E3 100 idle	ti25
10960,7	0923		unid, FF Paris?	? ARQ-M2 200 idle	ti25
10962,2	1018	RFFVA	FF Paris	F ARQ-M2 200 idle msg to RFFUGI	ti25
10963	1226	HBD20	MFA Bern	SUI Sitor-A msg 5lg	ti25
10991,7	1643	RFFVAY	FF Sarajevo	BIH ARQ-M2 200 idle	ti25
11007,5	1656		unid	? RTTY 75 encrypted traffic	ti25
11017	1931		unid	? Sitor-A garbled text	ti25
11030	1632	D2Z	F Emb Budapest	HNG FEC-A 192 msg 5lg to Paris	ti25
11039	1657	DDH9	Meteo Quickborn	D RTTY 50 id, RY	ti25
11043,7	2312	RFTJD	FF Libreville	GAB ARQ-E3 192 idle	ti25
11050	1504		unid, tent French diplo	? FEC-A 192 idle + encryp. tfc	ti25
11080	1658	YKP28	SANA Damascus	SYR RTTY 50 id, RY	ti25
11085	1941	P6Z	MFA Paris	F FEC-A 192 idle	ti25
11110,5	0740	RFLI	FF Fort de France	MRT ARQ-E3 192 idle	ti25
11117	1042	DFZG	MFA Beograd	YUG RTTY 75 encr-key XLXLXLXL..	ti25
11416,7	0936	RFFVAY	FF Sarajevo	BIH ARQ-M2 200 idle, msg to Paristi	ti25
11423,5	1456	SPW	Warszawa R.	POL Sitor-B Polish Press	ti25
11439	1057		unid	? Sitor-A end. ARQ JOTA DIR off	ti25

## EUNL1999

11453	1601	IMB33	Meteo Roma	I	RTTY 50 AAXX-reports	ti25
11536	1227	HMF49	KCNA Pyongyang	KRE	RTTY 50 id, RY = 8020 khz	ti25
12090,2	0739	RFTJ	FF Dakar	SEN	ARQ-E3 192 msg to Sarajevo	ti25
12127	2341		unid	?	RTTY 75 cont, encrypted	ti25
12197	1639		unid, diplo?	?	RTTY 75 msg 5lg	ti25
12220	1707		unid, arab, Cairo?	?	Sitor-A text left to right	ti25
12525	1905		unid vessel	IW	Sitor-A end of tfc, vy weak	ti25
12579	1923	NRV	USCG Agana	GUM	Sitor-B warnings from RTJX	ti25
12583,5	0747	UUI	Odessa R.	UKR	Sitor-B cq, tfc-list	ti25
12587	0847	LZW	Varna R.	BUL	Sitor-B tfc-list	ti25
12597,5	1932	UFN	Novorossiisk R.	RUS	Sitor-A wkg UDEJ, msgs	ti25
12613	1941	XSQ	Guangzhou R.	CHN	Sitor-A wkg unid, msgs	ti25
12635,5	0940	LZW	Varna R.	BUL	Sitor-B bulgarian press	ti25
12823	1957	CTP	Ny Oeiras	POR	RTTY 75 NAWX QSX	ti25
12857	1959	6WW	FNy Dakar	SEN	RTTY 75 Voyez Le Brick...	ti25
12903	2002	RBSL	Ny Mumbai	IND	RTTY 50 id, RY-SG	ti25
12932,5	2004	EBA	Ny Madrid	E	RTTY 100 encrypted tfc	ti25
13042,5	2007	FUV	FNy Djibouti	DJI	RTTY 75 id, RY-SG	ti25
13401,7	1624		unid, tent, MFA Cairo	?	Sitor-A cont, idle	ti25
13420	1047		unid RUS diplo	?	RTTY 75 msgs 5lg	ti25
13437	1500	RPFN	Ny Monsanto	POR	RTTY 75 wkg RPTI, QSX 13478	ti25
13444,2	1709	RFQP	FF Djibouti	DJI	ARQ-E3 100 idle	ti25
13472,2	1631		unid	?	ARQ-E 184 idl	ti25
13478	1508	RPTI	PORNy Ponta Delgada	AZR	RTTY 75 wkg RPFN, QSX 13437	ti25
13506	1707		unid, RUS diplo?	?	RTTY 75 msg 5lg	ti25
13510	1723	CFH	Ny Halifax	CAN	RTTY 75 METAR-reports	ti25
13580	1248	HMF36	KCNA Pyongyang	KRE	RTTY 50 EE-nx	ti25
13593,7	1017	RFFA	FF Paris	F	ARQ-E3 192 idle	ti25
13846,7	1700	RFVI	FNy Le Port	REU	ARQ-E3 100 idle	ti25
13957	1708		MFA Tunis	TUN	Sitor-B idle,opchat INT QRV	ti25
13970	0750		unid, diplo?	?	RTTY 75 cont BOK ZAN, RY	ti25
14461,7	1729	RFTJF	FF Port Bouet	CTI	ARQ-E3 48 idle	ti25
14504	1105		unid, RUS diplo?	?	RTTY 75 msg 5ng	ti25
14532	1113	SPK	SPK Phnom Penh	CBG	RTTY 50 id RY, very weak!!!	ti25
14545	1518	U3H	F Emb Moskva	RUS	FEC-A 192 msgs to P6Z, 5lg	ti25
14719	1715	OST	Oostend R.	BEL	Sitor-B tfc-list,service i	ti25
15633	1054	HMF26	KCNA Pyongyang	KRE	RTTY 50 ee-nx propaganda	ti25
15717	1208		unid	?	RTTY 75 opchat, BK BK ABT10	ti25
15961,7	1107	RFLI	FF Fort de France	MRT	ARQ-E3 192 idle	ti25
16011,8	1525		unid, EGY diplo?	?	Sitor-A msg arab alphabet	ti25
16040	1713	MKK	DCN London	G	VFT 50 jumping fox, RYI	ti25
16125,5	1737	RFQP	FF Djibouti	DJI	ARQ-M2 200 idle	ti25
16165,2	1719	RFFA	FF Paris	F	ARQ-M2 200 idle	ti25
16193,2	1742	RFQP	FF Djibouti	DJI	ARQ-M2 200 idle	ti25
16242	1108	O9B	F Emb Cairo	EGY	FEC-A 192..POUR LE FINAL...	ti25
16798	1732		unid	?	Sitor-B idle for hours!	ti25
16840,5	1008	UHK	Batumi R.	GEO	Sitor-B press, economy=8430	ti25
16879	1109	LZW	Varna R.	BUL	Sitor-B tfc-list	ti25
17550,9	1300	RFTJ	FF Dakar	SEN	ARQ-E3 192 idle	ti25
18042,7	1724	RFTJD	FF Libreville	GAB	ARQ-E3 192 idle	ti25
18051,5	1245		unid, EGY diplo?	?	Sitor-A idle, opchat	ti25
18276,7	1726	HBD31	SUI Emb Buenos Aires	ARG	Sitor-A id,msg 5lg to HBD20	ti25
18447,7	1729		unid	?	ARQ-E3 200 cont,idle	ti25
18668	1731		unid, tent, EGY diplo	?	Sitor-A msg in Arabic	ti25
18889	1120		MV KOLOMIEC	IW	Sitor-A wkg Novorossiisk R.	ti25
19048,7	1733	RFFA	FF Paris	F	ARQ-E3 192 msg 5lg to unid	ti25
19101,7	1735	RFLI	FF Fort de France	MRT	ARQ-E3 192 msg 5lg to unid	ti25

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

60	2123	MSF	NPL Teddington	G	cw-timesynch	ti25
77,5	2125	DCF77	PTB Braunschweig	D	cw-timesynch	ti25
25	0906	RJH66	TS Bishkek	KGZ	cw-call id	zeTC
25	1006	RJH63	TS Krasnodar	RUS	cw-call id	zeTC
5000	1909	BSF	TS Chung-li	TWN	cw-id + TA CH-YL-id + TA	zeTC
7335	0815	CHU	TS Ottawa	CAN	AM Timesignal	ewAU
9996	2317	RWM	TS Moscow R.	RUS	cw-Timesignal	ewAU
14670	1013	CHU	TS Ottawa	CAN	AM Timesignal	ewAU

## EUNL1999

15000 0148 WWV NIST Ft.Collins USA E OM-TA,timesignals zeTC  
 16000 0605 VNG NSC Llandilo AUS E YL-TA,timesignals zeTC

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

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AIR-Reeve Aleutian 912	20	lt,info/-	17946			hb31
CAN-NDB Mont Joli	11	n/d lt,tech-info	340	`YY`		lrG
CKH-PTT Rarotonga	27	ppc,lt f/up's	14900	ZKS	500 w	ai47
CKN-PTT Manihiki	27	ppc,lt f/up's	14900	ZKI	120 w	ai47
CZE-Prague R.	10	f/d lt,ppc/USD	13007	OLP5	750 w	egCH
D -DARC Aurora Beacon	7	f/d cd	10144	DK0WCY	30 w	egCH
E -NDB Castejon	288	f/d cd (hrd in E)	362	`CJN`	60 w	ai47
E -NDB Hinojosa	288	f/d cd (hrd in E)	346	`HIJ`	300 w	ai47
E -NDB Malaga	288	f/d cd (hrd in E)	330	`RMA`	80 w	ai47
F -NDB Pt. de Creach	15	p/d lt ff rpt	301	`CA`		lrG
F -NDB Dole	4	ppc,i	309	`DO`	50 w	egCH
G -Falmouth CG	5	p/d lt,i	2226		250 w	egCH
G -NDB Nottingham	5	lt,i	430	`NOT`		lrG
G -NDB Lashenden	5	f/d lt (f/up)	340	`LSH`		lrG
GRL-USAF Thule	89	f/d lt,ppc/USD	11175			egCH
HWI-USCG Honolulu	22	f/d cd (via Pt.Reyes)	8429,5	NMO	10000 w	egCH
I -Compamare Monfalcone	51	ppc/ms	6815			hb31
I -NDB Bologna	13	f/d lt,i	413	`BOA`		lrG
ISL-Icelandic CG	14	f/d lt	5680			lrG
ISL-NDB Keflavik	7	ppc via Telecomms	392	`KF`		lrG
IW -FPSO Gryphon A	14	ppc,letter/SASE	2187,5	MQSY9		gsLX
IW -FPSO Petrojarl I	17	ppc/SASE	8414,5	JXCE		gsLX
IW -MV A.Tsereteli	55	ppc/SASE	2187,5	9HIU4	250 w	gsLX
IW -MV Atlantic Prosperity	34	ppc,photo,info/SASE	2187,5	3FSU5		gsLX
IW -MV Autoprogress	33	ppc,photo/SASE	2187,5	LAEA5		gsLX
IW -MV Banwell	18	ppc,letter,photo/SASE	8414,5	GZAA	150 w	gsLX
IW -MV Ben-My-Chree	11	ppc/SASE	8414,5	MXLG6		gsLX
IW -MV Border Battler	16	ppc/SASE	2187,5	GXLU		gsLX
IW -MV Borre	33	ppc/SASE	2187,5	LAGA5	250 w	gsLX
IW -MV Cap Georges	43	ppc,info/SASE	2187,5	SZGS	800 w	gsLX
IW -MV CS Monarch	10	ppc/SASE	8414,5	GUWD	800 w	gsLX
IW -MV Dea Commander	34	ppc,info/SASE	2187,5	MWJN6		gsLX
IW -MV Düsseldorf Express	38	ppc,info/SASE	2187,5	DGDD	200 w	gsLX
IW -MV Dutch Mate	17	ppc,photo/SASE	2187,5	PDTQ		gsLX
IW -MV European Highway	19	ppc,photo/SASE	2187,5	MQCJ2		gsLX
IW -MV Finnmerchant	11	ppc,photo/SASE	8414,5	OIPZ		gsLX
IW -MV Funchal	22	ppc/SASE	2187,5	3EHK4	400 w	gsLX
IW -MV Futura	41	ppc/SASE	2187,5	OJDJ	400 w	gsLX
IW -MV Galp Faro	18	ppc/SASE	2187,5	CSBQ	600 w	gsLX
IW -MV Gent	39	ppc/SASE	2187,5	LXGE		gsLX
IW -MV Hedlo	62	ppc,letter,info/SASE	2187,5	C6MV9		gsLX
IW -MV Hoo Beech	28	ppc/SASE	2187,5	MLHK2		gsLX
IW -MV Jumbo Spirit	65	ppc,photos/SASE	2187,5	PFFH		gsLX
IW -MV Le Castellet	23	ppc,photo/SASE	2187,5	FPVZ	600 w	gsLX
IW -MV Maersk Chancellor	10	ppc/SASE	2187,5	MFHV6		gsLX
IW -MV Manya	28	ppc/SASE	2187,5	J8IQ3	150 w	gsLX
IW -MV Mastera	86	ppc,letter,info/SASE	2187,5	OJDR	400 w	gsLX
IW -MV Normandie	27	ppc,info/SASE	2187,5	FNNO	600 w	gsLX
IW -MV Northern Queen	50	ppc/SASE	2187,5	GDLT		gsLX
IW -MV P & OSL Burgundy	10	ppc,letter,info/SASE	2187,5	MQSQ9	150 w	gsLX
IW -MV Pride of Flanders	23	ppc/SASE	2187,5	GZOL		gsLX
IW -MV Pride of Portsmouth	10	ppc,info/SASE	2187,5	MSTK8		gsLX
IW -MV Pride of Bilbao	17	ppc,info/SASE	8414,5	MTDM5		gsLX
IW -MV Putford Trader	35	ppc,letter/SASE	2187,5	GBDW	200 w	gsLX
IW -MV Renaissance Seven	20	ppc,photo/SASE	8414,5	ELGJ5	250 w	gsLX
IW -MV Ronez	16	ppc,letter,photo/SASE	2187,5	GCJP	150 w	gsLX
IW -MV Rosethorn	25	ppc/SASE	2187,5	GCKN	500 w	gsLX
IW -MV Rudderman	28	ppc/SASE	2187,5	ELQL9		gsLX
IW -MV Saint Kearan	16	ppc/SASE	2187,5	GZVC		gsLX
IW -MV Sand Fulmar	13	ppc,info,photo/SASE	2187,5	MYTP4	200 w	gsLX
IW -MV Sara Theresa	23	ppc/SASE	2187,5	OWXE6	600 w	gsLX

## EUNL1999

IW -MV Smit-Lloyd 57	13	ppc/SASE	2187,5	PHOH		gsLX
IW -MV Speciality	17	ppc/SASE	2187,5	C6IX4	250 w	gsLX
IW -MV Svitzer Mercator	42	ppc,letter,photo/SASE	2187,5	C6NV9		gsLX
IW -MV Tebo Olympia	90	ppc/SASE	2187,5	OINM		gsLX
IW -MV Thor Scan	50	ppc/SASE	2187,5	PJXQ	250 w	gsLX
IW -MV Toisa Perseus	33	ppc,info/SASE	2187,5	MYSB4		gsLX
IW -MV Toisa Puma	25	QSL-letter/SASE	2187,5	ELRL4		gsLX
IW -MV UKD Bluefin	28	ppc,info/SASE	2187,5	MWZL7	250 w	gsLX
IW -Rig Stena Spey	10	ppc,letter/SASE	2187,5	GCWP	400 w	gsLX
J -Hamajima Fishery R.	31	ppc/-	12811,5	JFH		hb31
J -Muroto Fishery R.	30	ppc/-	12811,5	JFM		hb31
J -Shizuoka Fishery R.	27	ppc,fo/-	12811,5	JFG		hb31
J -Shizuoka Fishery R.	35	ppc	16977	JFG	1000 w	ai47
KEN-Nairobi Meteo	41	p/d lt/USD	17441,8	5YE	6000 w	egCH
ROU-Giurgiu R.	18	ham-cd,ppc,pers.lt/USD	8666	YPO	100 w	egCH
S -NDB Satenas	56	f/d lt+sti (f/up)	409	`SG`		lrG
SUI-NDB Bern	6	f/d lt,sti,badge	???	`SHU`		lrG
USA-MARS Brunswick, ME	370	ppc,ham-cd	14383,5	NNN0XGB	600 w	ai47
USA-MARS Shelbyville,IN	10	lt,ppc/USD	13927	AFA1EN		hb31
USA-NDB Charleston, SC	35	ppc (hrd in DOM) f/up	329	`CH`	400 w	ai47
USA-SILVAIR	90	p/d lt/ms	6637			lrG

## Membership and Money corner:

Fee received with thanks from lrG. Due to renew for hl71 and kh84 (both for september) and pdCH (Paolo) and a1EU (Alf) -> see last issue.

## Addresses/Infos/Veri-signers:

ZKS PTT Rarotonga/ZKI PTT Manihiki: Telecom Cook Islands, Communications Department, P.O. Box 106, Rarotonga, COOK ISLANDS(Pacific)(ai47)(v/s unreadable)

(Finally, after 9 years I got my QSL's from PTT Rarotonga and PTT Manihiki. This was during the time while the island communication was undertaken by the old Post- and Telecommunication Service. In 1993 it changed to satellite service. In November 1997 the Hurricane Martin came over the island of Manihiki and washed the building and equipment into the lagoon. A lot of people were lost or killed. Many of the origin population were relocated to Rarotonga or overseas (New Zealand or Australia). The island is just being re-equipped for satellite communication, which is a project that will cost over a million dollars. No equipment yet, but the building is due to be started later this month and hopefully finished in August and then the new equipment will be installed).

I received a very interesting mail from OM Sergey Kolesov (a fellow DXer from Ukraine and a maritime professional) supplied by OM Dmitri (dmRU) about russian maritime stations UIS and RUF9. (A big tnx, ed.)

=== (beg quote) ===

UIS-Tuapse, RUF9-Sevastopol (it seems that this call sign is under control of Russian authorities. There are still two authorities in Sevastopol, if we look to navigation service. I think, Ukrainian side uses UXO and URL, Russian-RUF).

=== (end quote) ===

OM Thomas (ti47/ti25) send in the wanted address for Alexandria R. (tnx !!!)  
Alexandria R./SUH E R T U Propagation Department, P.O. Box 1186, 11511 Cairo, EGYPT

Prague R./OLP: v/s S.Antos, Chief Operator (egCH)

DK0WCY: Sonderstationsverantwortlichen DK4LI, Hamm 4, D- 24392 Scheggerot, Germany (egCH)

USAF Thule: Thule Global HF Station, Unit 82501, APO EA 09704 (egCH)

(v/s: William E. Wirth, Thule Station Global Supervisor)(egCH)

NNN0XGB MARS Brunswick: William J. May, P.O. Box 87, Brunswick, ME 04011 (ai47)

Compamare Monfalcone: Capitaneria di Porto, V. Oscar Cosulich 24,I- 34074

Monfalcone (GO), Italy. (v/s Nicolò Lugnan, Il Commandante)(hb31)

Reeve Aleutian Airways: 4700 W. International Airport Rd., Anchorage, Alaska

99502-1091. (very friendly and detailed reply!)(hb31)

JFM Muroto Fishery: Kochikenmusengyogyoukyodoukumiai (!), JFM, Muroto, Muroto-

## EUNL1999

shi, Kochi-ken, Japan (v/s Mikihiro Yoshioko.) (hb31)  
 NDB Satenas/SG: Försvarsmakten Skaraborgs Flygflotilj, 53032 Satenas (v/s Jan Mathiesen) (lrg)  
 NDB Bern/SHU: Flugsicherungsdienste Belp, CH-3123 Belp Flughafen (v/s D.Rubin, Techn.Service) (lrg)  
 NDB Pt. de Creach/CA: Subdivision des Phares et Balises, 8 rue du ct Malbert, B.P. 36, F- 29801 Brest Cedex 9 (lrg)  
 NDB Mont Yoli/YY: Aeroporte Mont Joli, 875 Rue Jacques Cartier, Suite 102, Mont Joli, QUE G5H 4A4 (lrg)  
 CH NDB Charleston, SC: Charleston Air Force Base, 437 ABG/OTM, Communications Officer, Charleston Air Force Base, SC 29404, USA (ai47)  
 3EHK4 Funchal: Arcalia Shipping Co. Ltd., Avenida 24 de Julho 128-5, Estremadura, P-1300 Lisbon, Portugal (gsLX)  
 3FSU5 Atlantic Prosperity: Exxon Co. International Inc., 200 Park Avenue, Florham Park, NJ 07932, USA (gsLX)  
 9HIU4 A Tsereteli: Denholm Ship Management Ltd., The Parks, 107-115 Milton Street, Glasgow G4 0DN, UK (gsLX)  
 C6IX4 Speciality: F.T. Everard & Sons Ltd., The wharf, Greenhite, Kent DA9 9NW, UK (gsLX)  
 C6MV9 Hedlo: Continental Shipmanagement AS, Postboks 1281, N-5542 Karmsund, Norway (gsLX)  
 C6NV9 Svitser Mercator: Svitser Ltd., Morton Peto Road, Great Yarmouth, Norfolk NR31 0LT, United Kingdom (gsLX)  
 CSBQ Galp Faro: Sacor Maritima SA, Avenida 24 de Julho 42-42A, P-1200 Lisbon, Portugal (gsLX)  
 ELGJ5 Renaissance Seven: Renaissance Cruises Inc., PO Box 350307, Suite 300, 1800 Eller Drive, Port Everglades, Fort Lauderdale, FL 33335-0307, USA (gsLX)  
 ELQL9 Rudderman: James Fisher Tankships Ltd., PO Box 4, Fisher House, Barrow-in-Furness, Cumbria LA14 1HR, UK (gsLX)  
 ELRL4 Toisa Puma: Sealion Shipping Ltd., Sealion House, The Courtyard, 17 West Street, Farnham, Surrey GU9 7DR, UK (gsLX)  
 FNNO Normandie: Brittany Ferries, BP 72, Port du Bloscon, F-29211 Roscoff, France (gsLX)  
 FPVZ Le Castellet: United European Car Carriers AS, Postboks 265, N-4891 Grimstad, Norway (gsLX)  
 GBDW Putford Trader: Putford Enterprises Ltd., Columbus Buildings, Waveney Road, Lowestoft, Suffolk NR32 1BS, UK (gsLX)  
 GCJP Ronez: St.Helier Port Services Ltd., New North Quay, St.Helier, Jersey JE2 3ND, UK (gsLX)  
 GCKN Rosethorn: James Fisher 6th Floor, Martins Building, Water Street, Liverpool L2 3UJ, UK (gsLX)  
 GCWP Stena Spey: The Duty Radio Officer, Stena Drilling Ltd., Greenbank Crescent, East Tullos Industrial Estate, Aberdeen AB12 3BG, Scotland (gsLX)  
 GDLT Northern Queen: Saevik Supply Ltd., 14 Albyn Terrace, Aberdeen AB1 1YP, Scotland (gsLX)  
 GUWD CS Monarch: Cable & wireless Global Marine, East Saxon House, 27 Duke Street, Chelmsford, Essex CM1 1HT, UK (gsLX)  
 GXLU Border Battler: BP Oil UK Ltd., BP House, Breakspear Way, Hemel Hempstead, Herts, HP2 4UL, UK (gsLX)  
 GZAA Banwell: Crescent Tankships Ltd., Hays House, Otterham Quay Lane, Rainham, Gillingham, Kent ME8 7UN, UK (gsLX)  
 GZOL Pride of Flanders: P & O North Sea Ferries BV, Postbus 1123, 2180 AC Rozenburg, The Netherlands (gsLX)  
 GZVC Saint Kearan: J & A Gardner & Co.Ltd., 16 Robertson Street, Glasgow G2 8DU, UK (gsLX)  
 J8IQ3 Manya: Horst Moller KG, Bei den Muhren 70, D-20457 Hamburg (gsLX)  
 JXCE Petrojarl I: Golar-Nor Offshore AS, Postboks 482, Fjordgt 1, N-7001 Trondheim, Norway (gsLX)  
 LAEA5 Autoprogress: United European Car Carriers AS, Postboks 265, N-4891 Grimstad, Norway (gsLX)  
 LAGA5 Borre: Nedjan Shipping AS, PO Box 10, S-272 21 Simrishamn, Sweden (gsLX)  
 LXGE Gent: Van Ommeren Shipping BV, Postbus 845, NL-3000 AV Rotterdam, The Netherlands (gsLX)  
 MFHV6 Maersk Chancellor: The Maersk Co.Ltd., One Canada Square, Canary wharf, London E14 5DP, UK (gsLX)  
 MLHK2 Hoo Beech: R.Laphorn & Co. Ltd., Buttercrock wharf, Hoo, Rochester, Kent ME3 9LQ, UK (gsLX)  
 MQCJ2 European Highway: P & O Stena Line Ltd., Channel House, Channel View Road,



EUNL1999

Dover, Kent CT17 9TJ, UK (gsLX)  
MQSQ9 P & OSL Burgundy: P & O Stena Line Ltd., Channel House, Channel View Road, Dover, Kent CT17 9TJ, UK (gsLX)  
MQSY9 Gryphon A: Kerr-McGee Ltd., Regent Centre, Regent Road, Aberdeen AB9 8UQ, Scotland (gsLX)  
MTDM5 Pride of Bilbao: P & O European Ferries Ltd., Peninsular House, Wharf Road, Portsmouth, Hants PO2 8TA, UK (gsLX)  
MWJN6 Dea Commander: Nomis Shipping Ltd., 186 Albert Quay, Aberdeen AB1 2YA, Scotland (gsLX)  
MWZL7 UKD Bluefin: UK Dredging, Port of Barry, Port Office, Atlantic Way, No.2 Dock, Barry CF63 3US, UK (gsLX)  
MXLG6 Ben-My-Chree: The Isle of Man Steam Packet Co.Ltd., Imperial Buildings, PO Box 5, Douglas IM99 1AF, Isle of Man 8GSLX)  
MYSB4 Toisa Perseus: Sealion Shipping Ltd., Sealion House, The Courtyard, 17 West Street, Farnham, Surrey GU9 7DR, UK (gsLX)  
MYTP4 Sand Fulmar: South Coast Shipping Co. Ltd., Baltic Warf, Elm Street, Marine Parade SO14 5JF, UK (gsLX)  
OINM Tebo Olympia: Nielsen Shipping Co.Ltd OY, Ruoholahoenukatu 17, PO Box 328, FIN-00181 Helsinki, Finland (gsLX)  
OJDJ Futura: Neste Shipping OY, PO Box 20, FIN-02151 Espoo, Finland (gsLX)  
OJDR Mastera: Neste Shipping OY, PO Box 20, FIN-02151 Espoo, Finland (gsLX)  
OWXE6 Sara Theresa: Tankskibsrederiet Herning AS, Olufsvaenget 29, DK-7400 Herning, Denmark (gsLX)  
PDTQ Dutch Mate: Broere Shipping BV, Wieldrechtseweg 50, NL-3316 BG Dordrecht, The Netherlands (gsLX)  
PFFH Jumbo Spirit: Jumbo Shipping Co. SA, CP 645, 3 Route de Sauvigny, CH-1290 Versoix GE (gsLX)  
PHOH Smit-Lloyd 57: Seacor Marine BV, Zalmstraat 1, NL-3016 DS Rotterdam, The Netherlands (gsLX)  
PJKQ Thor Scan: Mammoet Shipping BV, Postbus 2599, NL-1000 CN Amsterdam, The Netherlands (gsLX)  
SZGS Cap Georges: Ceres Hellenic Shipping Enterprises Ltd., Dimitra Building, 69 Akti Miaouli, GR-185 37 Piraeus, Greece (gsLX)

IMPORTANT INFO    IMPORTANT INFO    IMPORTANT INFO    IMPORTANT INFO    IMPORTANT

Some weeks ago, I got an e-mail from `EUROCOM-PRO di Danieli Daniele` (danielid@tin.it - <http://www.eurocom-pro.com>) who asks me if he can use all EUNL-pages (datas) for commercial use on a CD. I mailed Ary Boender (the WUN president) and asked if he or any other fellow get a same message. But they did not send a message to WUN although they know WUN as they have link to the WUN homepage. This is very obscure! I want to tell you that I do NOT give the permission to use the datas! If he will use that datas without permission, it is highly illegal! Following the reasons for this:

1. I publish all YOUR stuff FREE for every interested ute-freak in the net.
2. I do the work as an act of utility enthusiasm for all EUNL readers.
3. No one has the right to make money with other peoples work and surely not if the editor doesn't give a permission!
4. If Y O U do NOT agree that someone wants to make money with YOUR datas, please send a complain e-mail to danielid@tin.it >>> I HOPE THAT ALL EUNL READERS WILL SEND A COMPLAIN E-MAIL TO PROTECT YOUR WORK!!!<<<
5. Anyone who wants to by HIS datas again??? Surely not!

Thanks for understanding, ed.

This famous work was made by our (10) famous contributors: ti25/ti47, hb31, dmRU, gsLX, ewAU (some your logs will be in EUNL 10-1999, space problems here), ppF (welcome, ed), lvcz (welcome, ed), zeTC (some your stuff will be in EUNL 10-1999, space problems here), egCH (some your logs will be in EUNL 10-1999, space problems here), lrG, ai47 (nr76: your logs also for 10-1999)

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

Andreas

A.Ibold - all rights reserved ©

EUNL1999

EUROPEAN UTILITY NEWSLETTER 11-1999

```
*****
* Editor:      Andreas Ibold, Flughafenweg 45 B, D- 46519 Alpen, GERMANY      *
* Tel.:       (49) 02802 / 705727 ***** e-mail: aibold@aol.com             *
* Home page:  http://members.aol.com/aibold/EUNL.htm                          *
* Treasurer:  Norbert Reiner                                                  *
* Membership fees to: Badische Beamtenbank Karlsruhe                         *
* Konto Nr.: 2038005 BLZ: 66090800                                          *
* Dispatcher: Norbert Reiner                                                *
* -----*
* Membership fees for the printed copies: payable to the treasurer          *
* Germany: 20 DM; Europe: 20 DM (13 $); overseas: 25 $ or the equivalent in *
* foreign currency - no cheques please!!)                                   *
*
*
*                               Deadline: 20th of the month!!!                *
*****
```

Hi folks,

here were are again with another issue of EUNL. A big `Thank you` to OM Michael for editing the October issue!!! Very fine. NDB`s >400 kHz and digital logs >15 Mhz are in this issue as told by Michael. As I announced in EUNL 9-1999, I moved to a new house and I please you to notice my new address above!!! There were lots of things to do (and still to do) at my new home. So I wasn't able to edit the NDB and QSL webpages last time. I'm very sorry for the inconvenience. But with this issue, these sites are also updated. I made a mistake in EUNL 9-1999: The zip code for Alpen is 46519 and NOT 45619 as written in 9-99. Please correct this. Ary informed me, that WUN has a new URL: <http://www.wunclub.com/> Tnx, Ary! The internetversion is a bit lager then the paperversion!

N D B

284,6	0412	MA	Cabo Muchichaco	E	id+tone	lvCZ
286	0420	HFX	Hohenfels	D	id	lvCZ
290,5	0410	VI	Cabo Vilano	E	id+tone	lvCZ
292	0407	NKR	Neckar	D	id	lvCZ
304,5	0419	MY	Cabo Mayor	E	id+tone	lvCZ
307	0413	DIK	Diekirch	LUX	id	lvCZ
313	0410	PA	Cabo de Plos	E	id+tone	lvCZ
392	1850	RW	Berlin - Tegel	D	id	lvCZ
400	2111	MO	Macon	F	id+dash	zeTC
400	2330	AG	Agen/La Garenne	F	id+dash	nr76
400,5	1919	EJ	Esbjerg	DNK	id	pb40
401	1622	PTC	Porto Colom for Palma	E	id	pbE
401,5	1500	BET	Rheine-Bentlage	D	id	pb40
402	0326	ORW	Paris/Orly	F	id	rk50
402	1736	DA	Ales/Deaux	F	id+dash	pbE
404	1921	LW	Luxembourg	LUX	id	pb40
404	2027	ZLA	Zilina	SVK	id	rkDK
404	2105	LRD	Lerida	E	id	pbE+rk50+nr76+zeTC
404	2327	NL	Nolsoe	FAR	id	nr76
406	1137	GRO	Grosseto	I	id	pbE
406	1353	MJ	Marseille/Provence	F	id+dash	pbE
406	2113	HOZ	Holzendorf	D	id+dash	zeTC
406	2333	MO	Mogilev Podolsky	UKR	id	rk50+zeTC
406,5	1923	BOT	Bottrop	D	id	pb40
407	1925	MIC	Michaelsdorf	D	id	pb40
409	1405	DAR	Darlowo	POL	id	pb40
410	1515	KK	Kaliningrad	KAL	id	rkDK
412	1123	GRN	Gerona	E	id	pbE
412	0420	BOA	Bologna	I	id	lvCZ
414	0200	ILB	Bistrica	SVN	id	rk50
415	1439	TOE	Toulouse/Blagnac	F	id+dash	pbE
416	0201	KD	Taszar	HNG	2id	rk50
420	1359	SS	Malmö-Sturup	S	id	pb40
420	1752	LMT	Auch/Lamothe	F	id+dash	pbE

## EUNL1999

421	0218	BUR	Burnham	G	id	rk50
421	1714	MF	Halmstad	S	id	pb40
421	2320	GE	Madrid/Getafe	E	id	rkDK+rk50
422	2207	PAM	Pamplona	E	id	rk50
423	0216	SCA	Salamanca	E	id	rkDK+rk50
423	0222	CWL	Cranwell	G	id	rk50
423	0235	FOR	Forli	I	id	rk50
423	1451	TS	Toulouse/Blagnac	F	id	pbE
423	1716	FE	Odense	DNK	id	pb40
424	0223	HRW	London/Heathrow	G	id	rk50
424	0247	PHG	Phalsbourg	F	id+dash	rk50
424	0410	RES	Reus	E	id	rkDK
425	0227	PI	Pii	UKR	2ids	rkDK
426	0131	BC	Bacau	ROU	id	rk50
426	0226	HWQ	PF Hewett A	IWA	id	rk50
426	0408	WYP	Wipperfürth for Cologne	D	id	nr76+rkDK
427	0423	RY	Royan	F	id+dash	nr76+rkDK
427	0422	AUB	Aubenas/Vals-lanas	F	id+tone	pbE+lvCZ
428	0323	MNF	Sevilla/Moron de la Fr.	E	id	rkDK
428	0423	CTX	Chateauroux	F	id+dash	rkDK
428	2318	BST	Langveoc/Poulmic	F	id+dash	rk50
429	0204	LOS	Losinj	HRV	id	rk50
429	0225	SSD	London/Stansted	G	id	rk50
430	2313	ALM	Aix les Milles	F	id+dash	pbE+rk50
432	2048	RO	Rothenburg	D	id	rkDK
434	0208	GR	Gorka	RUS	2ids	rkDK
434	0429	MV	Melun	F	id+dash	rkDK
434	2243	SK	Leipzig	D	id	rk50
435	0159	ZBN	Zweibruecken	D	id	rk50
435	0205	SM	Semyenovka	UKR	2ids	rkDK
440	0338	PIA	Piacenza	I	id	rkDK
479	1604	SA	Saratov/Tsentralny	RUS	id, hrd frm 470-479 kHz	rkDK
480	0346	VIB	Viterbo	I	id	rkDK
488	2133	ILM	Illesheim	D	id	rkDK
525	0035	HG	wroclaw/Strachowice	POL	id	nr76
527	2031	NM	Ufa	RUS	id	dmRU
527	2031	PT	Ufa	RUS	id (simultaneous with NM)	dmRU
528	0558	UH	Tikhoretsk	RUS	id	dmsRU
534	1950	SL	Bydgoszcz (ed)	POL	id 9x=1 min	zeTC
588	0410	SF	Simferopol	UKR	id	dmsRU
591	1818	WH	Penza	RUS	id	dmRU
599	2015	NK	UNID	?	id 4x3 id=1 min	zeTC
615	1428	OM	DAB DUC Gorm GA GC	IW	id	pb40
625	0715	OCh	UNID	RUS?	id (4x2=1min)	dmsRU
625	1330	MB	UNID (nr Krasnodar)	RUS	id (8x=1min)	dmsRU
625	1508	Q	UNID (nr Rtishchevo)	RUS	id (4x2=1min)	dmsRU
650	2140	GV	Astrakhan/Narimanovo	RUS	id	dmRU
662	0600	SM	Smolenskaya	RUS	id	dmsRU
741	0412	A	Sochi	RUS	id	dmsRU
750	0413	BA	Krasnodar/Pashkovskiy	RUS	id	dmsRU
760	2026	B ?	UNID (B or TS ?)	?	id (10x=1min)	dmRU
761	0414	SO	Sochi	RUS	id	dmsRU
1210	1958	PR	Peredovaya	RUS	id	dmsRU
1255	2047	DX	Maxim Gorky	RUS	id	dmRU
1290	2045	TU	Bely	RUS	id	dmRU

## F I X E D

4350	2052	TBB5	Ny Ankara	TUR	cw clg TBDJ	abNL
4461	2100	FTJ	Tel Aviv	ISR	usb lady repeats FTJ	ewAU
4880	2045	ULZ	Tel Aviv	ISR	usb lady reading 5 ltr grpsewAU	
5180	2103	S12	Cherta	?	USB 371/00	abNL
5600	1050	6PWJ	unid	?	cw stn-mkr abyz de 6pwj	ewAU
5629	2047	SYN2	Tel Aviv	ISR	usb numbers	ewAU
5909	1028	BMB	Taipei Meteo	TWN	cw weather information	ewAU
6270	2105	ULX	Tel Aviv	ISR	usb lady reading 5 ltr grpsewAU	
6459,5	1128	AFRTS	Key West R.	USA	usb eng. news nat. public	RewAU
6745	2050	SYN2	Tel Aviv	ISR	usb lady reading 5 ltr grpsewAU	

## EUNL1999

6758	1200	MKL	RAF Kinloss	G	cw TAFS	abNL
6934	2006	M12		?	cw in progress	abNL
6945	1250	S17	Czech Lady	?	USB	abNL
7654	1030	4XZ	Haifa R.	ISR	cw de 4xz stn-mkr	ewAU
8027	1027		Australian net	AUS	usb mining ops? Talking	ewAU
8117	1012	BMB	Taipei Meteo	TWN	cw weather information	ewAU
8118	2100		Link 11 signal	?		abNL
8987	2200	MKL	RAF Pitreavie	G	CW VVV lg 2QC for code-msg	ti25
9024	1026		St. Petersburg Aero	RUS	USB wkg unid aircraft	abNL
9040	2108	M12		?	cw in progress	abNL
9142	1049		unid	?	cw single ltr sent, no grpsewAU	
9153	0725		unid	?	cw 5 ltr grps	ewAU
9238	0909		unid	?	cw 5 ltr grps	ewAU
9251	2100	E3	Linc. Poacher	CYP	USB id 08847	abNL
9251	2125		number station	?	usb lady reading 5 ltr grpsewAU	
10127	0914		unid	?	usb lady, spanish 5 ltr grpewAU	
10144	1030	DKOWCY	DARC aurora beacon	D	cw Propagation info	abNL
10774	2010	E07	English Man	RUS	AM 172 000	abNL
11113	1051		Australian net	AUS	usb unidentified AUS net,	ewAU
11178	1020		unid	?	usb shock21 clg victor echoewAU	
11487	1240		unid	?	cw 4 ltr grps	ewAU
12186	2000	E07	English Man	RUS	AM 172 000	abNL
12603	2100	E3	Linc. Poacher	CYP	USB id 08847	abNL
13560	1505	BMB	Taipei Meteo	TWN	cw weather information	ewAU
14487	1200	E03	Lincolnshire Poacher	CYP	USB id 62435 //15682	abNL
14487	1700	M03	Lincolnshire Poacher	CYP	USB id 49830	abNL
14578	1304		unknown	?	usb lady clg one zero two	ewAU
14739	1307		unknown	USA	usb cynthia from langley,	ewAU
15682	1200	E03	Lincolnshire Poacher	CYP	USB id 62435 //14487	abNL

## M A R I T I M E

511,5	1852	IPA	Ancona R.	I	cw-wkg nav-wngs	ti17
514,5	2330	IBP	Bari R.	I	cw-wkg nav-wngs	ti25
515,5	0149	SPE	Szczecin R.	POL	cw-TTT, cq, nav-wngs	ti25
1613	2148	OXZ	Lynby R.	DNK	cw-sitor-id	ti47
1698	2014	EAR	Coruna R.	E	USB wkg pp	ti47
1752	2235	EJK	Valencia R.	IRL	USB wkg nav wngs	ti47
2357,5	2007	OUA3	Ny Aarhus	DNK	cw-vvv	abNL
2366	2346		Dutch vessel	IW	USB wkg unid, pp?	ti25
2391	1935		Dutch Ships	IW	USB smalltalk: Rotterdam	ti17
2401	1937		Dutch Ships	IW	USB smalltalk, ending	ti17
2625	0052	DRAQ	FGS Bremen	IW	USB wkg DHJ59,msgs,qs1	ti25
2643,5	2129	SPS	Witowo R.	POL	cw-de SPS	abNL
2656	2156	IPA	Ancona R.	I	USB wkg nav-wngs	ti47
4308	0908	HLG	Seoul R.	KOR	cw stn-mkr	ewAU
4325	2053	R	Ny Ustinov	RUS	cw channel marker	abNL
4343	0924	LYK	Klaipeda R.	LTU	cw stn-mkr	ewAU
4369	1044		Sydney R.	AUS	usb phone comms	ewAU
4435	1037		Sydney R.	AUS	usb phone comms	ewAU
6316	2317	NMN	USCG Portsmouth	USA	cw stn-mkr	ewAU
6316,5	0931	KHF	USCG Agana	GUM	cw stn-mkr	ewAU
6317	1032	WLO	Mobile R.	USA	cw stn-mkr	ewAU
6318	0934	KLB	Seattle R.	USA	cw stn-mkr	ewAU
6320	0937	KPH	Palo Alto R.	USA	cw stn-mkr	ewAU
6323,5	0937	NMC	USCG San Francisco	USA	cw stn-mkr	ewAU
6324	0932	WCC/VCT	Chath-Tors Cove	USA	cw stn-mkr	ewAU
6325,5	0941	WLO	Mobile R.	USA	cw stn-mkr	ewAU
6344	0949	HLF	Seoul R.	KOR	cw stn-mkr	ewAU
6357	2041	SAA	Karlskrona R.	S	cw-cq	abNL
6436,5	1007	KPH	Palo Alto R.	USA	cw/sitor stn-mkr	ewAU
6465	2033	UIW	Kaliningrad R.	KAL	cw Nav wngs	ewAU+abNL
8297	0942	ZLM	Taupo R.	NZL	usb weather information	ewAU
8419	2333	VIP	Perth R.	AUS	cw stn-mkr	ewAU
8473,5	0935	WLO	Mobile R.	USA	cw stn-mkr	ewAU
8476	0943	9VG	Singapore R.	SNG	cw stn-mkr	ewAU
8484	0948	HLF	Seoul R.	KOR	cw stn-mkr	ewAU
8502	1028	XSG	Shanghai R.	CHN	cw stn-mkr	ewAU

## EUNL1999

8505	1030	UFZ	Vladivostok R.	RUS	cw stn-mkr	ewAU
8506	0932	XSX	Chi-lung R.	TWN	cw stn-mkr	ewAU
8511	1035	XSW	Kaohsiung R.	TWN	cw stn-mkr	ewAU
8584	1043	VRX	Hongkong R.	CHN	cw stn-mkr	ewAU
8662	2058	TAH	Istanbul R.	TUR	cw-tfc list	abNL
8665	2057	XSG	Shanghai R.	CHN	cw-cq	abNL
8698	1013	9MG2	Penang R.	MLA	cw stn-mkr	ewAU
8719	1143	WOM	Miami R.	USA	usb wx info for car.area	ewAU
8743	1048	HSA	Bangkok R.	THA	usb weather information	ewAU
8797	1333	HLS	Seoul R.	KOR	usb telephone call	ewAU
10192,5	1251	DRHO	FGS Donau	IW	USB wkg DHJ59,msgs,qs1	ti25
10192,5	1512	DHJ59	Ny wilhelmshaven	D	USB wkg DRHH,msgs,qs1	ti25
10192,5	1522	DRFC	FGS Fulda	IW	USB clg DHJ59 rdock,ZBO 1R	ti25
10192,5	1730	DRAE	FGS Luetjens	IW	USB wkg DHJ59,msgs,qs1	ti25
10192,5	1736	DREB	FGS Paderborn	IW	USB clg DHJ59,rdock, zbo 2!	ti25
10192,5	1951	DREU	FGS Sulzbach-Rosenberg	IW	USB wkg DHJ59,msgs,qs1	ti47
10206,5	1341	DREU	FGS Sulzbach-Rosenberg	IW	USB wkg DHJ59,qsx 10192,5	ti25
10722	0813	DREI	FGS Lindau	IW	USB wkg DHJ59,req,pp to CGF	ti25
10722	1142	DREU	FGS Sulzbach-Rosenberg	IW	USB wkg DHJ59,msgs,qs1	ti47
10722	1250	DRAN	FGS Augsburg	IW	USB wkg DHJ59,msgs,qs1	ti25
10722	1501	DRHM	FGS Werra	IW	USB wkg DHJ59,msgs,qs1	ti17
10722	1521	DRET	FGS Rottweil	IW	USB wkg DHJ59,msgs,qs1	ti25
10722	1730	DRAX	FGS Gorch Fock	IW	USB wkg DHJ59,msgs,qs1	ti17
10722	1737	DRAQ	FGS Bremen	IW	USB wkg DHJ59,msgs,qs1	ti25
10722	1959	DRHH	FGS Oste	IW	USB wkg DHJ59,msgs,qs1	ti47
10722	2012	DRAE	FGS Luetjens	IW	USB wkg DHJ59,msgs,qs1	ti25
10722	2006	DHJ59	Ny wilhelmshaven	D	USB wkg DRHH,msgs qs1	ti25
10872,2	1013	S	Ny Arkhangelsk	RUS	cw stn-mkr	ewAU
12579,5	2353	9VG	Singapore R.	SNG	cw stn-mkr	ewAU
12582	2355	VIP	Perth R.	AUS	cw stn-mkr	ewAU
12584	2355	VIP	Perth R.	AUS	cw stn-mkr	ewAU
12629	0848	KHF	Guam R.	GUM	cw stn-mkr	ewAU
12662,8	1251	CBV	Playa Ancha R..	CHL	cw stn-mkr	ewAU
12676,5	1248	A4M	Muscat R.	OMA	cw stn-mkr	ewAU
12750	1206	CWA	Cerrito R.	URG	cw stn-mkr	ewAU
12808,5	1152	VTG	Ny Bombay	IND	cw stn-mkr	ewAU
12811,3	1150	HZY	Ras Tanura R.	ARS	cw stn-mkr	ewAU
12840	1125	VTP	Ny Vishak	IND	cw stn-mkr	ewAU
12843	0922	HLO	Seoul R.	KOR	cw stn-mkr	ewAU
12966,5	1308	A7D	Doha R.	QAT	cw stn-mkr	ewAU
12970,5	1306	PKX	Jakarta R.	INS	cw stn-mkr	ewAU
13010	1304	AQP	Ny Karachi	PAK	cw stn-mkr	ewAU
13055	1255	UTQ7	Kiev R.	UKR	cw stn-mkr	ewAU
13161	1147	HLS	Seoul R.	KOR	usb phone call	ewAU
13188	1149	XSG	Shanghai R.	CHN	usb phone call	ewAU
17050,5	0415	ASK	Karachi R.	PAK	cw stn-mkr	ewAU
17184,8	0926	PKP	Dumai R.	INS	cw stn-mkr	ewAU
19687	0457	KHF	Guam R.	GUM	cw stn-mkr	ewAU
19696,5	0553	8PO	Barbados R.	BRB	cw stn-mkr	ewAU
19736,5	0555	ZLA	Awarua R.	NLZ	cw stn-mkr	ewAU

## A E R O (Ground - stations)

5634	2132		Mauritius Aero	MAU	usb mauritius clg unid flgt	ewAU
5658	2135		Bombay Aero	IND	usb calling unid flight	ewAU
5667	1118		Honolulu Aero	USA	usb air comms	ewAU
5670	2137		Madras Aero	IND	usb clg singapore air flgt	ewAU
6693	1907		Jekaterinburg Volmet	RUS	USB wx for Samara (tent,)	ti17
6693	2131		Syktyvkar Volmet	RUS	USB wx-data, vy weak	ti47
6697	1909	MKL	RAF Pitreavie	G	USB wkg 3KQ,RTTY-coord.	ti17
6730	1944		Karaganda Volmet	KAZ	USB wx for karaganda	ti25
6739	0630	ARCHITECT	RAF Upavon	G	USB colorstate-wx	ti25
8156	2144	ARCHITECT	RAF Upavon	G	USB wx for unid	ti47
8819	2122		Tashkent Volmet	UZB	USB wx for Tashkent	ti25
8825	0705		Santa Maria Aero	AZR	usb Air Comms	ewAU
8861	0128		Johannesburg Aero	AFS	USB wkg unid,posrep	ti25
8861	0129		Dakar Aero	SEN	USB wkg 3731,posrep,	ti25
8861	1056		Jakutsk Volmet	RUS	usb russian volmet	ewAU

## EUNL1999

8864	0132	Gander Aero	CAN	USB	wkg 864,posrep	ti25
8864	1746	Aero Shanwick	IRL	USB	wkg 3352,posrep selcall	ti25
8867	0530	Auckland Aero	NZL	usb	clg air new zealand 143	ewAU
8879	1330	Bombay Aero	IND	usb	calling cathay flight	ewAU
8939	0908	St. Petersburg Volmet	RUS	USB	wx for Kaliningrad	ti25
8957	1020	Medan Control	INS	usb	clg Malaysian Airflight	ewAU
8957	2032	Shannon Volmet	IRL	USB	wx for Hamburg	ti25
8968	1018	AF Darwin	AUS	usb	clg AF Sydney	ewAU
8992	2307	AJO USAF Incirlik	TUR	USB	wkg EAM, ending, off!	ti25
8992	1159	Andrews AFB	USA	usb	calling fort risley??	ewAU
9010	2040	ARCHITECT RAF Upavon	G	USB	wx and forecast for IBV	ti25
9031	2033	ARCHITECT RAF Upavon	G	USB	wkg MAGIC-87,posrep	ti25
9032	1033	Auckland Control	NZL	usb	Ice 1 Pos. 50S 170.55E	ewAU
10018	2120	Mumbai Aero	IND	USB	wkg 374,selcall	ti25
10051	0851	Gander Volmet	CAN	USB	wx for unid,vy weak	ti47
11175	0743	USAF Hickam	HWI	usb	manually sent ltr grps	ewAU
11235	0432	Sydney Aero	AUS	usb	clg aussie flight(raaf)	ewAU
11285	1151	Singapore Aero	SNG	usb	clg Ansett flight	ewAU
11297	1450	Kiev Volmet	UKR	airfield	wx	lvCZ
11297	1455	Rostov Volmet	RUS	airfield	wx	lvCZ
11300	2147	Sanaa Control	YEM	usb	clg Air France flight	ewAU
11300	1641	Khartoum Aero	SDN	USB	wkg unid,opchat	ti25
11300	1732	Nairobi Aero	KEN	USB	clg Mogadishu,sced-info	ti25
11300	1735	Jeddah Aero	ARS	USB	wkg 236,wx,posrep	ti25
11300	2155	Tripoli Aero	LBY	USB	wkg 0592,posrep,selcall	ti25
11309	1531	Santa Maria Aero	AZR	USB	wkg unid,posrep,selcall	ti17
11318	1039	Jekaterinburg Volmet	RUS	USB	ending,id,off!	ti25
11318	1230	Sykytyvkar Volmet	RUS	usb	Volmet in russian	ti25+ewAU
11342	2200	AIRINC New York, NY	USA	USB	wkg wx to unid	ti25
11345	1857	SDJ Stockholm R.	S	USB	wkg pp to Upsala	ti25
11369	2202	Ezeiza Volmet	ARG	USB	wx, OM in SS,vy weak	ti25
11384	1127	San Francisco Aero	USA	usb	air comms	ewAU
11387	0304	Sydney Volmet	AUS	USB	ending,id,off!	ti25
11396	2235	New York Aero, NY	USA	USB	wkg 034,posrep	ti25
13264	1409	Shannon Volmet	IRL	USB	wkg wx for Shannon	ti25
13270	1723	Gander Volmet	CAN	USB	wkg wx for Ottawa	ti17
13291	1819	Aero Gander	CAN	USB	wkg unid,posrep	ti25
13327	1323	IBERIA Madrid	E	USB	wkg 326,pp	ti25
13333	1818	SPEEDBIRD B.A. London	G	USB	wkg unid,wx for Lajes	ti25

## A E R O (aircraft)

5598	0229	136	MONARCH flight	AIR	USB	clg Gander, posrep, sc	ti25
5616	0230	766	unid flight	AIR	USB	wkg Gander,posrep	ti25
5687	0519	Y1T	GAF flight	AIR	USB	clg DHM91,rdock,posrep	ti25
5687	0520	102	GAF flight	AIR	USB	clg DHM91,r-c,timespec,	ti25
6622	0243	007	LOT flight	AIR	USB	wkg Gander,posrep	ti25
6622	1900	106	AMERICAN flight	AIR	USB	clg Shanwick,posrep	ti17
8861	0131	374	AIR ITALIA flight	AIR	USB	clg DAKAR,posrep	ti25
8864	0246	60	DELTA flight	AIR	USB	wkg Gander,posrep	ti25
8864	0247	40	DELTA flight	AIR	USB	wkg Gander,posrep	ti25
8864	0248	122	DELTA flight	AIR	USB	wkg Gander,posrep	ti25
8894	0135	226	SPRINGBOK flight	AIR	USB	wkg unid,posrep	ti25
8936	2106	693	AIR ITALIA flight	AIR	USB	wkg Bern Radio,pp	ti25
11175	1748	7051	REACH flight	AIR	USB	wkg Bayonne,pp-request	ti25
11175	1923	130	REACH flight	AIR	USB	wkg Incirlik,posrep	ti25
11175	2044	1959	REACH flight	AIR	USB	wkg Yokota,posrep	ti25
11175	1633	CHAP11	USAF flight	AIR	USB	wkg Thule,code-msg	ti25
11175	1538	2630	REACH flight	AIR	USB	wkg Croughton, pp	ti25
11175	2141	7071	REACH flight	AIR	USB	clg Andrews,no luck!	ti25
11175	2223	0461	REACH flight	AIR	USB	wkg MacDill,sitrep	ti25
11256	1707		unid	AIR	USB	posrep blind,no resp.	ti25
11247	1624	234	ALPINE flight	AIR	USB	wkg ARCHITECT,posrep	ti25
11247	1654	M5F	unid RAF flight	AIR	USB	wkg +DONUT+ (?)	ti25
11271	2041	345	REACH flight	AIR	USB	wkg Thule,opchat	ti25
11285	1700	IRH230	unid, I(AF)-flight?	AIR	USB	wkg unid,very weak	ti25
11300	1848		EUROP 6908	AIR	FL	370 to Cairo	lvCZ
11300	1850		Kenya 404	AIR	Boeing	737 Nairobi to Addis	lvCZ

EUNL1999

11300	2009		EISXT	AIR	FL 370 KFR 2007	OLAD 2045	lvCZ
13200	1403	360	REACH flight	AIR	USB wkg Lajes,pp		ti25
13200	1407	6006	REACH flight	AIR	USB wkg Croughton,pp		ti25

D I G I T A L

139	2035	DCF39	EFR Berlin	D	ASCII 200 9-bit databursts		ti25
141,4	2043		unid, NATO broadcast?	?	RTTY 75 online encrypted		ti25
147,3	2120	DDH47	Meteo Quickborn	D	RTTY 50 id, RYRYRYRY		ti25
518	2048	GCC	Cullercoats Radio	G	Sitor-B wx-forecast		ti25
518	2200	GPK	Portpatrick Radio	G	Sitor-B nav-wngs		ti25
518	2249	OST	Oostend Radio	BEL	Sitor-B nav-wngs		ti25
4309,9	0911		unid	?	unksys 300/325 encr		ewAU
4337	0917	RBSL	Ny Bombay	IND	baudot 50/850 ry		ewAU
4343	1039	WLO	Mobile R.	USA	FEC 100/170 Tfc list+freq`sewAU		
4583	0746	DDK2	Meteo Quickborn	D	RTTY 50 AAXX	abNL+	ti25
4588,6	0921		Unid	?	Unksys 75/850 encr		ewAU
4606	1906		unid	?	FEC-A3 192 3 channel encr.		ti25
4970,7	2224		unid	?	ARQ-E 48 idle,		ti25
5155	1042		Unid	?	Unksys 75/850 encr		ewAU
5163	0819	FDY	AF Orleans	F	RTTY 50 Testtape		abNL
5163,5	0821	FDY	AF Orleans	F	RTTY 50 VOYEZ LE BRICK,,,		ti25
5219	1049		Unid	?	Unksys 75/170 encr		ewAU
5221	1054		Unid	?	Unksys 75/170 encr		ewAU
5284	1922		unid	?	ARQ-E 86 idle		ti25
5297	2018		Ny UKSUBCAMS	G	RTTY 50wx to HSWMS SodermanabNL		
6315,5	0927	KFS	San Francisco R.	USA	arq 100/170 traffic list		ewAU
6318,5	0935	UFL	Vladivostok R.	RUS	arq 100/170 weather		ewAU
6344	0949	HLF	Seoul R.	KOR	sitor-a 100/170selcall infoewAU		
6362	1022	MGJ	Ny Faslane	G	VFT 75 CARB		abNL
6456,5	0530	GYA	Ny Northwood DCN	G	RTTY 75 CARB		ti25
6942	0019		unid	?	RTTY 75 online encrypted		ti25
6961,2	1155		Unid	?	Psk like Packet but is not		ewAU
7319	1955	SUU	Meteo Cairo	EGY	RTTY 100 AAXX-reports		ti25
7370,2	2012		unid	?	ARQ-E 72 idle		ti25
7390	1714		unid	?	ARQ-E 72 idle		ti25
7400,3	1652		unid Meteo	?	RTTY 50 AAXX area 40,,,		ti25
7593	1027		unid	?	unksys 75/850 encr		ewAU
7646,1	0550	DDH7	Hamburg Meteo	D	baudot 50/400 wx forecasts		ewAU
7763,3	2108	D6Z	Moroni R.	COM	arq-e3 48/425 idling only		ewAU
7781,5	1055		unid	?	dup-arq?125/170 encr msgs		ewAU
8151	2110	IGJ44	Ny Augusta	I	RTTY CARB		abNL
8341,7	1027	RFVI	FF Le Port	REU	arq-e3 100/425 idling only		ewAU
8378	2023	LYNX	unid vessel	IW	Sitor-A telex to Cyprus		ti25
8385,5	2024		unid vessel	IW	Sitor-A idle, BRK+?, off!		ti25
8397	1939		unid vessel	IW	Sitor-A logisitic-req.-msg		ti25
8397	2032	9HXH4	MV Sibirqkov	IW	Sitor-A telex to Tunis		ti25
8399	0035	CPSI	MV Bobot	IW	Sitor-B wkg press-rerun		ti25
8402,5	2204	RTMS	unid RUS vessel	IW	RTTY 50 wkg Riga, telex		ti25
8417	0802	GKE	Portishead Radio	G	Sitor-B wx Med,Sea		ti25
8420,5	0833	HEC	Bern Radio	SUI	Sitor-B tfc-list		ti25
8421,5	2047	LZW	Varna Radio	BUL	Sitor-B tfc-list		ti25
8442	0935	VZX	Penta Comstat	AUS	sitor-b 100/170 vzx seamailewAU		
8642,2	2050	MGJ	Ny Faslane	G	RTTY 75 CARB		abNL
9076,2	0935		Manila Aero	PHL	arq 100/170phl airl.w/briefewAU		
9083,5	0704	GXQ	DCN London	G	baudot 50/340 idling only		ewAU
9093,6	0713		unknown	?	unksys 100/850 encr		ewAU
9180,8	0855		unid	?	sitor-a 100/170 spare partsewAU		
9309	1017		unid	?	50/850 encr		ewAU
9371	1242		unid	?	unksys 75/170 encr		ewAU
10100,8	1015	DDK	Hamburg Meteo	D	RTTY 50 wx		abNL
10358	1342		unknown	?	arq 100/170 unknown system		ewAU
10452	1345		unknown	?	unksys 50/170 encr. Text		ewAU
10493,7	0700	RFTJF	FF Port Bouet	CTI	arq-e3 48/425 idling only		ewAU
10952	1010	HBD20	MFA Bern	SUI	ARQ 100 encr. msgs to emb.		abNL
11140	1744		unid	?	RTTY 75 cont, 140\140\140\.		ti25
11201	1022		unid	?	unksys 75/850 encr		ewAU
11226,7	1853		unid	?	Sitor-A idle for 1hr, off!		ti25

## EUNL1999

11237	1746		unid	?	Sitor-A cont, idle, tx off!	ti25
11407	1748		unid	?	Sitor-A msg 5lg, SUI diplo?	ti25
11411	1750		unid, tent, RUS diplo	?	RTTY 75 msg 5lg	ti25
11416,	7 2041		unid	?	ARQ-M2 200 idle	ti25
11495,	7 0715		British mil?	G?	picollo 12 idling only	ewAU
11541	1002		unid	?	unksys 75/180 encr.	ewAU
12090,	2 0849	RFTJ	FF Dakar	SEN	arq-e3 192/425 idling only	ewAU
12228	2109	NAM	USN Comsublant, Norfolk	USA	RTTY 50 wx+nav wngs to ves.abNL	
12579	2345	NMO	USCG Honolulu	HWI	fec 100/170 wrngs + wx info	ewAU
12599,	5 1403	UAT	Moskva Radio	RUS	Sitor-B tfc-list	ti25
12610,	5 2308	VCT	Tors Cove Radio	CAN	Sitor-A tfc list	ti25
12691,	2 2215	RFVIE	FF Le Port	REU	baudot 75/850 faaa de rfvie	ewAU
12714,	3 1227	NMN?	Norfolk VA	USA	Baudot 50/850 unclas msg	ewAU
12726,	2		unid	?	unksys short digital tx,	ewAU
12736	1218	LSD836	Argentina R.	ARG	arq 100/170 short telex msg	ewAU
12883,	5 0305		unid	?	unksys 100/850 encr	ewAU
13020	0447		unid	?	unksys 75/170 encr	ewAU
13022	1300	SPE	Szczenin R.	POL	fec stn + freq information	ewAU
13042,	7 2228	RFQPME	FF Djibouti	SEN	baudot 75/850faaa de rfpme	ewAU
13445,	7 0642		Jakarta R.	INS	sitor-a 100/170 pos of ship	ewAU
13479,	7 0736	RFFV	FF Paris	F	arq-m2 200/425 airmen msgs	ewAU
13510	1032	CFH	Halifax R.	CAN	Baudot 75/850 weather	ewAU
13520	0945		Unid	?	Unksys 200/425 encr	ewAU
13532	0947		Unid	?	Unksys 50/850 encr	ewAU
13543,	7 0612	RFTJD	FF Libreville	GAB	arq-e3 192/425 idling only	ewAU
13551,	5 0832	P6Z	MFA Paris	F	fec-a 192/425 5 ltr grps	ewAU
13571	0951		Unid	?	Unksys 200/425 encr	ewAU
13846,	7 0612	RFQP	FF Djibouti R.	DJI	arq-e3 100/425 idling only	ewAU
13886,	7 0615	RFFA	FF Paris	F	arq-e3 192/425 idling only	ewAU
13953,	1 0837	NMC	USCG San Francisco	USA	g-tor 100/200 cannot decode	ewAU
14160	1314	RPFNG	Ny Alges	POR	RTTY 75 msg to RPFNN Lisboa	abnl
14575	0740	P6Z	MFA Paris	F	fec-a 192/425 test message	ewAU
14585,	7 0631	RFPTC	FF N'djamena	TCD	arq-e3 200/425 idling only	ewAU
14633,	3 0553	RFLI	FF Fort-de-France	MRT	arq-e3 192/425 idling only	ewAU
14696,	9 1307	BAF	Beijing Meteo	CHN	baudot 50 wx for chn loc.	ewAU
14720	1454	M4Z	FAPSI	RUS	LSB 6-tone selcal + unread rtty	abNL
14959,	7 0622	RFTJ	FF Dakar	SEN	arq-e3 192/220 idling only	ewAU
15222	0628		unid	?	unksys 75/200 encr	ewAU
15633	1033	HMF26	KCNA Pyongyang	KRE	rtty 50/250 E nx	zeTC
15651,	3 0920		unid	?	unksys 300/319 encr	ewAU
15651,	4 0920		Unid	?	300/319 encr	ewAU
15873	1250	RFGW	MFA Paris	F	FEC-A 192/425 Diplo msgs	ewAU
15878	0850	3MA24	CNA Taipei	TWN	fax 120/576 cw-gra de 3MA	zeTC
15930	0925		Unid	?	50/850 encr	ewAU
15937,	5 0041		Unid	?	VFT 16 Chan. first of 16	ewAU
15961,	7 0030	RFLI	FF Fort-de-France	MRT	arq-e3 192/400 idling only	ewAU
16014	0103	NMG	USCG New Orleans	USA	FAX 120/576 wx map (poor)	ewAU
16035	0950	9VF	Singapore R.	SNG	FAX 60/288 wx map	ewAU
16077,	7 0634	RFFTD	FF	F	arq-e3 192/425 idling only	ewAU
16085	0617		Unid	?	50/850 encr	ewAU
16096	0705		unid	?	unksys short digital tx	ewAU
16135	0618	KVM70	Honolulu Meteo	HWA	fax 120/576 sfc anal	zeTC
16143,	7 0631	RFLI	FF Fort-de-France	MRT	arq-e3 192/425 idling only	ewAU
16176	0740		Unid	?	Unksys 50/170 encr	ewAU
16180	0108		Unid	?	75/850 encr	ewAU
16193,	2 0608	RFQP	FF Djibouti	DJI	arq-m2 200/425 idling only	ewAU
16261,	7 1820	RFTJD	FF Libreville	GAB	ARQE3/192/400 HAI cct Paris	pcG
16268	1000		Unid	?	50/850 encr	ewAU
16270,	4 0953		Unid	?	75/100 encrypted	ewAU
16275	0957		Unid Sitor Sys.	?	Sitor-A 100/170 off at1000	ewAU
16280,	2 0938	RFFA	FF Paris	F	ARQ-M2 200/425 idling only	ewAU
16281,	8 0230		unid	?	unksys 300/325 encr	ewAU
16291	1350	RFFA	FF Paris	F	ARQE/184.7/400 XXL cct Beir	pcG
16303	0936	DFZG	MFA Belgrade	YUG	Baudot 75/425 5 lt grps	ewAU
16310,	2 0617	RFFA	FF Paris	F	arq-e3 200/425 idling only	ewAU
16318,	5 0818	7RQ20	Algiers R.	ALG	coq 8 26,7 french text	ewAU
16320	0820		Unid	?	Baudot 50/425 ry cont.no id	ewAU
16627,	7 0640	RFTP	FF N'Djamena	TCD	ARQ-E3 200/425 idling only	ewAU



EUNL1999

16811,5	1340	A9M	Bahrain R.	BHR SITOR/A tlx/cw mkr	pcG
16817	2045	WCC	Chatham R.	USA SITOR/B qtc list	pcG
16839,5	0613	UFN	Novorossisyk R.	RUS ARQ 100/170 msgs to ships	ewAU
16876,8	0510		Unknown	? Unksys 195.3/300 new Mode	ewAU
16905	1258	RFQPM	FNy Djibuti	DJI ITA2/75/850 (old RFQP)	pcG
16915	2104	SPB83	Szczecin R.	POL SITOR/B qtc + info b/c	pcG
16951,5	1256	RFTJE	FNy Dakar	SEN ITA2/75/850 ex 6WW	zeTC+pcG
16960	0601	CKN	Ny Vancouver	CAN Baudot 75/170 frg info	ewAU
16961,5	2113	FUF	FNy Ft. de France	MRT ITA2/75/850 man. fk de fuf	pcG
16986	1703	CTP	Ny Lisbon	POR ITA2/75/850 naw de ctp	ewAU+pcG
16989,7	0338		Unid	? 100/850 encr	ewAU
17054,4	0230		unid	? baudot 75 encr. baudot text	ewAU
17066	2234	UAT	Moscow R.	RUS ARQ 100/170 Diplo msgss	ewAU
17066,5	1240	A9M	Bahrain R.	BHR SITOR/A tlx/cw mkr	pcG
17101,7	0717		MFA Cairo?	EGY?Sitor-A 100/170 arabic msg	ewAU
17151,2	0245	NMC	CAMSPAC Pt. Reyes	USA fax 120/576 test pattern	zeTC
17156,7	0744		MFA Cairo?	EGY?Sitor-A 100/170 arabic msg	ewAU
17180	1040	FUG	Ny La Regine	F RTTY 100 test tape	ewAU+abNL
17422,7	0640	RFFVAE	FF Dharhan	ARS arq-e3 200/425 idling only	ewAU
17550,9	0532	RFTJ	FF Dakar	SEN ARQ-E3 192/425 idling only	ewAU
18042,7	0830	RFTJD	FF Libreville	GAB ARQ-E3 192/425 idling only	ewAU
18064	1106	SNN299	Warsaw R.	POL pol-arq 100/170 diplo msgs	ewAU
18187,9	0940		Unid	? 75/170 encr	ewAU
18201,7	0717		MFA Cairo	EGY Sitor-A 100/170 AA msgs	QXewAU
18211,7	0533		MFA Cairo	EGY sitor-a 100/170 msgs in AA	ewAU
18241,8	1018	ZRO4	Pretoria Meteo	AFS baudot 75/425 weather	ewAU
18254	0948	SUU	Cairo Meteo	EGY baudot 100/850 weather	ewAU
18261	0720	GFL24	Bracknell Meteo	G fax 120/576 weather map	ewAU
18271,7	0542		MFA Cairo R.	EGY sitor-a 100/170 msgs in AA	ewAU
18293,7	0803	RFFA	FF Paris	F ARQ-E3 100/425 idling only	ewAU
18320,7	0529	RFTJ	FF Dakar	SEN ARQ-E3 192/320 idling only	ewAU
18360,5	0545		unid	? picollo 6 idling only	ewAU
18435,7	0603	RFFVAEA	FF Alysse	ARS e3 200/425 idling only	ewAU
18503,7	0642	RFFA	FF Paris	F arq-e3 192/425 idling only	ewAU
18523,7	0807	RFFA	FF Paris	F ARQ-E3 192/366 idling only	ewAU
18560	1845	BMF	Taipei Meteo	TWN fax 120/576 upper air fcst	zeTC
18583	0231		Unid	? 50/835 encr	ewAU
18735	0613		Unid	? 75/850 encr	ewAU
18844,9	0747		unid	? unksys 195,3/381 encr	ewAU
18966,7	0647	RFHJ	FF Papeete	OCE arq-e3 96/425 idling only	ewAU
18980,5	1145		G Mil	? Picollo 6 idling only	ewAU
19048,7	0649	RFFA	FF Paris	F arq-e3 192/425 idling only	ewAU
19110,1	0230		Unid	? Baudot 75/425 5 lt grps	ewAU
19204,7	0347	RFLI	FF Fort-de-France	MRT arq-e3 100/425 idling only	ewAU
19216,7	0630	RFLI	FF Fort-de-France	MRT arq-e3 96/425 idling only	ewAU
19232	0613		unid	? crowd 36 encr, cannot decod	ewAU
19639	0623		unid	? 81/500 encr	ewAU
19682,1	0707	MGJ	Ny Faslane	G Baudot 75/425 ry test	ewAU
19776,5	0635		Jakarta	INS sitor-a 100/170 5 ltr grps	ewAU
19786	0718		Unid	? Unksys 195,3/381 encr	ewAU
19861,9	0604	MGJ	Ny Faslane	G baudot 75/850 test de mgj	ewAU
19969,2	0609		unid	? unksys 50/850 encr	ewAU
20179,7	0653	RFFA	FF Paris	F arq-e3 100/425 idling only	ewAU
20326,7	1120	RFVI	FF Le Port R.	REU arq-e3 100/425 idling only	ewAU
20367,5	0527		Unid	? 75/850 encr	ewAU
20556,5	0905	P6Z	MFA Paris	F fec-a 192/425 diplo msgs	ewAU
20633,7	1252	RFVI	FF Le Port	REU ARQ-E3 100/425 idling only	ewAU
22435	0250	XSQ	Guangzhou R.	CHN sitor-a 100/170msgs to ship	ewAU
22447	0548	RFQPM	Ny Djibouti	DJI rtty 75/850 faaa de RFQPM	zeTC
22461	1927	FUJ	Ny Noumea	NCL rtty 75/850 de FUJ testing	zeTC
22537	1258	FUF	Ft de France FF	MRT ITA2/75/850 ry de FUF	pcG

Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AUS-NDB Innsbruck	66	f/d cd	413	`KTI`		1rG
AUS-NDB Salzburg	66	f/d cd	382	`SBG`		1rG

## EUNL1999

AZR-NDB Flores	80	f/d lt,tourist info	270	`FLO`		lrG
CHL-Playa Ancha Radio	33	E-QLS/SAE	8414,5	CBV	1000 w	gsLX
F -NDB Bordeaux	11	ppc/SAE	318	`BE`		lrG
F -NDB Bron	13	ppc	388	`BR`	50 w	lrG
F -NDB Compiègne	24	cd	553,5	`CO`		lrG
F -NDB Etampes	8	cd,info	295,5	`EM`		lrG
F -NDB Istres	13	ppc/SAE 2 f/ups	390,5	`ITR`		lrG
F -NDB Lanveoc	12	lt,ppc/SAE 2 f/ups	???	`BST`		lrG
F -NDB Merville	16	ppc	404	`MVC`	25 w	lrG
F -NDB Muret	15	f/d lt	350	`MUT`	25 w	lrG
F -NDB Nevers	12	ppc/SAE 2 f/ups	394	`NV`		lrG
F -NDB Pamiers	8	cd+sticker	384	`PMR`		lrG
G -Air Cadets	28	f/d cd/SAE	5245	MRV92		lrG
G -NDB Kirkwall	8	ppc/SAE	395	`KW`		lrG
G -NDB Manston	35	f/d lt/SAE f/up	347	`MTN`		lrG
INS-Belawan R.	67	f/d lt via Jakarata	17239,7	PKB		lrG
IW -FPV Westra	44	ppc,info,photo/SASE	2187,5	GUMF	250 w	gsLX
IW -MV Alfa America	38	ppc,photo/SASE	8414,5	C6M09		gsLX
IW -MV Autoracer	19	ppc/SASE	8414,5	LATY4		gsLX
IW -MV Baltic Tern	37	ppc/SASE	2187,5	GJTC	150 w	gsLX
IW -MV Ben Ellan	43	ppc,letter/SASE	2187,5	GBWB		gsLX
IW -MV Carousel	49	ppc/SASE	8414,5	C6NC9		gsLX
IW -MV Chilean Reefer	44	ppc/SASE	2187,5	OYIE2	800 w	gsLX
IW -MV City of London	16	ppc,info/SASE	8414,5	GKGF		gsLX
IW -MV City of Chichester	28	ppc,letter,photo	8414,5	MXGH3		gsLX
IW -MV Conny	37	ppc/SASE	2187,5	ELDV2	100 w	gsLX
IW -MV Coppename	70	ppc/SASE	8414,5	MWKA6		gsLX
IW -MV Cottica	37	ppc,photo/SASE	8414,5	MWKB6		gsLX
IW -MV Crane Arrow	39	ppc,info/SASE	8414,5	C6JG6		gsLX
IW -MV Crystal Emerald	100	ppc,info/SASE	2187,5	LXCX	400 w	gsLX
IW -MV Equinox	43	ppc,info,photos/SASE	8414,5	V7AZ4		gsLX
IW -MV Esvagt Promoter	18	ppc/SASE	2187,5	OVI23		gsLX
IW -MV European Shearwater	33	ppc,photo/SASE	8414,5	GBRY	150 w	gsLX
IW -MV Finnpine	30	ppc/SASE	8414,5	OJGM		gsLX
IW -MV Gaastborg	43	ppc,info,letter	2187,5	PEFA	30 w	gsLX
IW -MV Harmac Dawn	48	ppc,letter,photo	8414,5	LAMK4		gsLX
IW -MV Harmon	73	ppc/SASE	2187,5	LAXQ4	200 w	gsLX
IW -MV Havlur	32	ppc/SASE	8414,5	LAKK4	200 w	gsLX
IW -MV Herakles	57	ppc,photo/SASE	8414,5	LARM4		gsLX
IW -MV Hornbay	35	ppc/SASE	2187,5	ELML7		gsLX
IW -MV Kinso	54	ppc/SASE	2187,5	C6MK8		gsLX
IW -MV La Loire	48	ppc/SASE	8414,5	3FBH5	800 w	gsLX
IW -MV Megastar Aries	39	ppc,photo/SASE	8414,5	3FMD4		gsLX
IW -MV Murex	60	ppc/SASE	8414,5	MWSS6		gsLX
IW -MV Northern Horizon	72	QLS-letter/SASE	2187,5	C6OG3		gsLX
IW -MV Northern Loftnes	21	ppc,info/SASE	8414,5	9HSC4		gsLX
IW -MV NYK Antares	59	ppc,letter/SASE	8414,5	3FWJ7	400 w	gsLX
IW -MV Oriana	26	ppc,photo/SASE	8414,5	GVSN	400 w	gsLX
IW -MV Pasila	99	ppc,info/SASE	2187,5	OJGT		gsLX
IW -MV Providence Bay	71	ppc,photo/SASE	8414,5	MSTM6		gsLX
IW -MV Putford Apollo	68	ppc,info/SASE	2187,5	MHXP7	250 w	gsLX
IW -MV Repulse Bay	84	ppc/SASE	8414,5	MQYA3		gsLX
IW -MV Rhin	21	ppc,info/SASE	8414,5	J8BC2	500 w	gsLX
IW -MV Sand weaver	36	ppc,photo/SASE	8414,5	GURL		gsLX
IW -MV Sea Isle City	53	ppc,letter/SASE	8414,5	WCYQ	400 w	gsLX
IW -MV Shenzen Bay	36	ppc/SASE	8414,5	MSDM7		gsLX
IW -MV Stena Searider	16	ppc/SASE	2187,5	MWBZ9	250 w	gsLX
IW -MV Tbilisi	56	ppc/SASE	8414,5	9HMN3	150 w	gsLX
IW -MV Teignbank	85	ppc/SASE	8414,5	GOVJ		gsLX
IW -MV Velimir Skorpik	68	ppc/SASE	2187,5	9HUJ3	250 w	gsLX
IW -MV Viking Vedette	39	ppc,letter/SASE	2187,5	PMMM7	250 w	gsLX
IW -MV Wilma Yukon	119	ppc/SASE	2187,5	LAOX4	250 w	gsLX
IW -MV Ziemia Chelminska	98	ppc,photo/SASE	2187,5	SQMW	250 w	gsLX
IW -MV Ziemia Zamojska	52	ppc/SASE	8414,5	SQMU		gsLX
IW -RV Discovery	37	ppc,photo/SASE	8414,5	GLNE	600 w	gsLX
THA-Bangkok Volmet	48	f/d lt	2965			lrG
TRD-LDOC BWIA	29	n/d lt	8924			lrG

EUNL1999

Membership and money corner: to rk50: tnx for your card, ed!

Addresses/Infos/Veri-signers:

Ary send in two corrections from his logs in the last EUNL, tnx!

There is an error in my logs. Please read for the M42 logs on 13366 link id 00190 (msg to POU)

The 5005 kHz log that I posted should read MOI Bucharest, -NOT- MFA Bucharest

Help on unid stations is requested from Peli (NL). Anyone who can solve the new call signs?

4721.0 0820 DHO 37 unid D usb-wkg DHJ 41(unid), DHO 24(unid) and DHM 91 r/c's

Also from Peli, some italian navy freqs: (for Ny-ship hunters) TNX!

2270,2 IDR Ny Rome I usb-wkg IHMW  
2274,5 IGJ Ny Augusta I usb-wkg IAOA  
2285,5 IDR Ny Rome I usb-wkg 8VN & IAEQ & IAPE  
2350,5 ICA Ny Ancona I usb-wkg IHML  
3331,5 ICA Ny Ancona I usb-wkg IHML  
4033,0 6TS Royal Ny G usb-wkg 2PQ / X8U / J5M  
4405,0 BEACH Ny Ostende B usb-wkg ORGL & ORJH & ORJJ  
5267,0 6TS Royal Ny G usb-wkg 0LJ / 1PZ / 0QF  
6733,0 IDR Ny Rome I usb-wkg 7QI & 8NM & R2C & X4U & X6F  
6733,0 IDR Ny Rome I usb-wkg DAGGER 50 & DAGGER 70  
8715,2 IDR Ny Rome I usb-wkg IHMW  
10698,2 IDR Ny Rome I usb-wkg IAOA & IGPR & IABJ  
12337,5 IDR Ny Rome I usb-wkg IABJ & IGPR  
13455,2 IDR Ny Rome I usb-wkg IABJ & IGPR

Canadian Coast Guard info from Lionel, lrg:

I recently logged VOJ Port aux Basques cg on 2598 dated 26/9/99 at 0210 with wx in ee/ff. This seems to be ex Stephenville cg as regards to call VOJ.

Address: Officer In Charge, MCTS Centre, Port aux Basques, POB99, NF AOM 1CO  
This info I read in latest official maritime publications from Canada.

2182 Info by lrg:

I logged St Peter port Radio on 2182 on 25/9/99 at 1527 wkg Alderney LB! First time I hear this as they normally only work vhf! Tnx, ed!

NDB Zilina Slovakia, 404 kHz, 190 w: Letisko Zilia, a.s., Obchoda kancelaria, Nam. L'. Stúra c. 2, 01001 Zilia Slovakia e-mail: aero-za@zilia.sk (tnx, Frank)

NDB Bordeaux BE: Direction de l'Aviation Civile/Sud-Ouest, Aeroport Principal de Bordeaux, Department Operations, Division Technical, BP 116, F- 33704 Merignac Cedex (lrg) (v/s Roger Cobourg)

NDB Bron BR: Ministere des Transports Maintenance Regionale, Rhone Alps, Aeroport de Lyon-Bron, F- 69500 Bron (lrg)

NDB Pamiers PMR: Aerodrome Pamiers-Les Pujols, BP 11, F-09001 Foix Cedex (lrg) (v/s Dominique Testard)

NDB Muret MUT: Aerodrom de Muret Lherm, F- 31600 Muret (lrg)

AUT NDB's Austria KTI, SBG: Flugsicherungsstelle Salzburg, Fachdienst Technik, Postfach 1, A- 5035 Salzburg (lrg)

NDB Flores FLO: ManutenceoNavegacao Aerea das Flores, Aeroporto das Flores, 9970 Santa Cruz das Flores, Azores (lrg)

LDOC BWIA: Operations Control, Golden Grove Road, Piarco, Trinidad, WI (lrg)(v/s Fyza Ali, Manager Systems)

3FBH5 La Loire: Mo Ship Management Ltd., 10th Floor, Shosen Mitsui Bldg., 1-1, Toranomon, 2-chome, Minato-ku, Tokyo 105-0001, Japan (gsLX)

3FMD4 Megastar Aries: Star Cruise Sdn. Bhd., 22nd floor Wisma Genting, 28 Jalan Sultan Ismail, 50250 Kuala Lumpur, Malaysia (gsLX)

3FWJ7 NYK Antares: NYK Line, NYK Building, PO Box 1250, Tokyo 100-91 (ghsLX)

9HMN3 Tbilisi: Norbulk Shipping Ltd., Norbulk House, 68 Glassford Street, Glasgow G1 1UP, UK (gsLX)

9HSC4 Northern Loftnes: Wilson Ship Management AS, Postboks 4145, Bradbenken 1, Dreggen, N-5023 Bergen, Norway (gsLX)

9HUJ3 Velimir Skorpik: Tankerskaa Plovidba dd, Post Pretinac 267, Bozidara Petranovica 4, 23000 Zadar, Croatia (gsLX)

C6JG6 Crane Arrow: Gearbulk, Postboks 3740, N-5033 Bergen, Norway (gsLX)

C6MK8 Kinso: Continental Shipmanagement AS, Postboks 1281, N-5542 Karmsund, Norway (gsLX)

## EUNL1999

C6M09 Alfa America: Lundqvist Rederierna, Norra Esplanadgatan 9B, FIN-22100 Mariehamn, and Islands, Finland (gsLX)

C6NC9 Carousel: Sun Cruises-Airtours Plc., Wavell House, Holcombe Road, Helmshore, Rossendale, Lancashire BB4 4NB, UK (gsLX)

C6OG3 Northern Horizon: Marr Vessel Management Ltd., St.Andrew's Dock, Hull HU3 4PN, UK (gsLX)

ELDV2 Conny: Sealand Shipping Management GmbH, Nikolaigasse 24, A-9500 Villach, Austria (gsLX)

ELML7 Hornbay: Horn Linie, Suederstrasse 75, D-20097 Hamburg (gsLX)

FPVY Montlhery: United European Car Carriers, Postboks 265, N-4891 Grimstad, Norway (gsLX)

GBRY European Shearwater: James Fisher & Sons Plc., PO Box 4, Fisher House, Barrow-in-Furness, Cumbria LA14 1HR, UK (gsLX)

GBWB Ben Eilan: The Ramsey Steamship Co.Ltd., 13 North Quay, Douglas IM1 4LE, Isle of Man (gsLX)

GJTC Baltic Tern: Euroafrica Shipping Lines Co.Ltd., PO Box 511, ul Energetykov ¾, PL-70-952 Szczecin, Poland (gsLX)

GKGF City of London: United Marine Dredging Ltd., Francis House, Shopwyke Road, Chichester, West Sussex PO20 6AD, UK (gsLX)

GLNE Discovery: Natural Environmental Research Council, Polaris House, North Star Avenue, Swindon SN2 1EU, UK (gsLX)

GQVJ Teignbank: Andrew Weir Shipping, Dexter House, 2 Royal Mint Court, London EC3N 4XX, UK (gsLX)

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

GURL Sand weaver: South Coast Shipping Co.Ltd., Baltic Wharf, Elm Street, Marine Parade SO14 5JF, UK (gsLX)

GVSN Oriana: P & O Cruises Ltd., Richmond House, Terminus Terrace, Southampton, Hants SO14 3PN, UK (gsLX)

J8BC2 Rhin: Vinalmar SA, CP 1464, 7 Rue du Mont-Blanc, CH-1211 Geneva 1, Switzerland (gsLX)

LAKK4 Havlur: Bergesen DY ASA, Postboks 2800, Solli, N-0204 Oslo (gsLX)

LAMK4 Harmac Dawn: Barbar Ship Management AS, Postboks 374, Strandveien 20, N-1324 Lysaker, Norway (gsLX)

LAOX4 Wilma Yukon: Anders wilhelmsen & Co AS, Postboks 1583, Vika, N-0118 Oslo 1, Norway (gsLX)

LARM4 Herakles: Bergesen DY ASA, Postboks 2800, Solli, N-0204 Oslo (gsLX)

LATY4 Autoracer: United European Car Carriers AS, Postboks 265, N-4891 Grimstad, Norway (gsLX)

LAXQ4 Harmon: Th.Jacobsen & Co. AS, Postboks 2023, Sandgaten 5, N-1701 Sarpsborg, Norway (gsLX)

LXCX Crystal Emerald: Holming Ltd., Fabianingkatu 8, FIN-00130 Helsinki (gsLX)

MHPX7 Putford Apollo: Putford Enterprises Ltd., Columbus Buildings, Waveney Road, Lowestoft, Suffolk NR32 1BS, UK (gsLX)

MPMM7 Viking Vedette: Viking Standby Ltd., Annat House, South Quay Ferryden, Montrose, DD10 9UB, UK (gsLX)

MQYA3 Repulse Bay: P & O Nedlloyd BV, Boompjes 40, NL-3011 XB Rotterdam, The Netherlands (gsLX)

MSDM7 Shenzen Bay: P&O Nedlloyd BV, Boompjes 40, NL-3011 XB Rotterdam, The Netherlands (gsLX)

MSTM6 Providence Bay: P & O Nedlloyd BV, Boompjes 40, NL-3011 XB Rotterdam, The Netherlands (gsLX)

MWBZ9 Stena Searider: Stena Line Ltd., Charter House, Park Street, Ashford, Kent TN24 8EX, UK (gsLX)

MWKA6 Coppename: Celtic Pacific Ltd. & Marine Mngt Service Ltd., 17-29 Sun Street, London EC2M 2PS, UK (gsLX)

MWKB6 Cottica: Celtic Pacific Ltd. & Marine Mngt Services Ltd., 17-29 Sun Street, London EC2M 2PS, UK (gsLX)

MWSS6 Murex: Shell Int. Trading & Shipping Co.Ltd., Shell-Mex-House, Strand, London WC2R 0ZA, UK (gsLX)

MXGH3 City of Chichster: United Marine Dredging Ltd., Francis House, Shopwyke Road, Chichester, West Sussex PO20 6AD, UK (gsLX)

OJGM Finnpine: FG-Shipping OY AB, PO Box 406, Lonnotinkatu 21, FIN-00121 (gsLX)

OJGT Pasila: ESL Shipping OY, Suolakivenkatu 10, FIN-00810 Helsinki (gsLX)

OVIZ3 Esvagt Promotor: Esbjerg Vagtskibsselskab AS, Adgangsvejen 1, DK-6700 Esbjerg, Denmark (gsLX)

OYIE2 Chilean Reefer: Lauritzen Reefers AS, Sankt Annae Plads 28, DK-1291

EUNL1999

Copenhagen K, Denmark (gsLX)

PEFA Gaastborg: Wagenborg Shipping BV, Postbus 14, Marktstraat 10, NL-9930 AA Delfzijl, The Netherlands (gsLX)

SQMU Ziemia Zamojska: Polsteam Oceantramp Ltd., Plac Rodla 8, PL-70-419 Szczecin, Poland (gsLX)

SQMW Ziemia Chelminska: Polsteam Oceantramp Ltd., Plac Rodla 8, PL-70-419 Szczecin, Poland (gsLX)

V7AZ4 Equinox: Souter Shipping Ltd., Clayton House, Regent Centre, Gosforth, Newcastle upon Tyne NE3 3HW, UK (gsLX)

WCYQ Sea Isle City: Keystone Shipping Co., One Bala Plaza East Suite 600, Bala Cynwyd PA 19004-1496, USA (gsLX)

#### B O O K R E V I E W (by Reinhard Klein-Arendt)

Thomas Adam & Mario Gongolsky `Computer, Radio & Internet. Alles über den Computereinsatz beim Funk- und Radioempfang`. Siebel-Verlag, Meckenheim 1999, pp. 298, DM 34.80

This book, written in German, is a completely revised and rewritten edition of two older titles of Siebel Verlag, that is `Internet für Kurzwellenfunk und Radiohörer` and `Computer & Radio`. It is subdivided into an introduction, several main chapters and an appendix. It deals with computer software for radio reception and with the possibilities the Internet offers for SWLs. The most popular software programmes and the Internet sources have been critically examined by the authors and the result of this examination can be found already in the introduction: On the one hand DSP technology is a significant and important development, on the other the quality of software for decoding, for PC driven radio reception or the like often didn't reach new quality standards during the last few years. The main part of the book, which comprises the review articles, is preceded by a description of the testing equipment (computers & radios), an introduction into the problems of PC interferences and about digital signal processing. The first series of reviews deals with the basics of receiver interfaces and presents reviews of the most popular receivers like the NRDs, AORs, the Lowe HF-150 or the ICOMs. The second series of reviews focusses on the software for PC based receiver control; programs like DXers Paradise, ERGO, PCF30, Turbo 538 etc. are examined in detail, e.g. giving hints in respect to installation, availability of data banks or uncomplicatedness of operation; after each review the reader will find a short profile indicating possibilities of the software, manufacturer a.s.o. The following series of reviews are organized in the same manner. The next series describes decoding converters and decoding software, mostly for Fax, SSTV and Packet. Utility DXers won't find too much of their beloved softwares, here the enthusiast should consult Gongolsky's `Computer & Radio` from 1994. This series is followed by articles on software for propagation prediction (CapMan, HFX) and on tools (log programs, archive programs for QSLs, frequency lists like the Tropical Band List). The second main topic of the book is the presentation of Internet resources for SWLs and HAMS (or HAMS and SWLs). This comprises an introduction (what are `Newsgroup`, `FTP`, `HTML` about?) and a description of resources, where the DXer can find hobby-softwares, directories of resources, log lists, mailing lists, newsgroups, clubs, BC-stations, dealers or Cyberradio sites; Amateur radio and Utility are covered less. At the end of the book the reader will find a preview on coming software developments, a glossary of terms and an overview over the products reviewed.

The book is complemented by a CD (for DM 19.80 extra), containing the most important software examined by the two authors. All in all the book is a pretty useful guide to radio related software, as it keeps a critical distance to the products it deals with. Moreover the intellegibility for beginners is good, which is supported by a lot of pictures. One cannot expect to find the whole spectrum of software in one book; space and availability of products for testing purposes prevents this.

Nils Schiffhauer `ICOM IC-PCR1000. Radio der Zukunft - Zukunft des Radios`. Siebel-Verlag, Meckenheim 1999, pp. 153, DM 24.80

The author regards PC radios as t h e coming development on the receiver market (at least he didn't add a question mark to the title of his book). The PCR1000 is the first PC radio which has gained wider interest within the DX

EUNL1999

family. It consists of a receiver, software, several connecting cables and a telescopic antenna. A DSP board is optional.

One just has to look at the chapter headings to see that the author is fascinated about the possibilities of the receiver. Point by point he shows what the radio is able to do, especially in regard to noise reduction, modes (AM, ECSS, CW, FM), memory banks, spectrum display, CTCSS, DTMF controller, IF-shifting (passband tuning), AFC, noiseblanker, DSP filter, to name but a few. These analyses are followed by a review list of complementing software like RadioCom 3.0, Scan Control 2.0, Spectrogram or software for PSK31. The integration of software for decoding CW, data, pictures, SSTV, weather charts a.s.o. is also possible. The PCR1000 surely offers a lot of outstanding possibilities, which cannot be matched by most of the `conventional` receivers. On the other side the author has to admit the obvious weaknesses of the receiver like the dynamic range of 52 to 59 dB; the difficulties which sometimes occur during the installation of the software (see Adam & Gongolsky 1999 : 199) has not been tackled. For fans of the PCR1000 the book contains a lot of useful articles; for those who want to become hardcore PCR enthusiasts the book (written in German) reaches its objective as it has also been written as an easy to understand introduction.

This famous work was made by our (10) famous contributors: ewAU, pcG, dmRU, zeTC, rk50/rkDK, pb40/pbE, gsLX, lrg, lvcZ, ti17/ti47/ti25 (your other logs are in EUNL 12-99)  
gd dx + 73`s, until next month (c)

Andreas

A.Ibold - all rights reserved ©

EUROPEAN UTILITY NEWSLETTER 12-1999

\*\*\*\*\*  
\* Editor: Andreas Ibold, Flughafenweg 45 B, D- 46519 Alpen, GERMANY \*  
\* Tel.: (49) 02802 / 705727 \*\*\*\*\* e-mail: aibold@aol.com \*  
\* Home page: http://members.aol.com/aibold/EUNL.htm \*  
\* Treasurer: Norbert Reiner \*  
\* Membership fees to: Badische Beamtenbank Karlsruhe \*  
\* Konto Nr.: 2038005 BLZ: 66090800 \*  
\* Dispatcher: Norbert Reiner \*  
\* ----- \*  
\* Membership fees for the printed copies: payable to the treasurer \*  
\* Germany: 20 DM; Europe: 20 DM (13 \$); Overseas: 25 \$ or the equivalent in \*  
\* foreign currency - no cheques please!! \*  
\* \*  
\* Deadline: 20th of the month!!! \*  
\*\*\*\*\*

Hi gentlemen,

A very warm welcome to the last EUNL edition in this year. This is not the last edition in this millenium (as we count the years with starting by the year one and not zero!) but nevertheless another EUNL year is over and I would like to thank all of you for the very nice work. I hope you had as much fun as I had.

would be nice if we can continue the successful work. I wish all of you very nice and peaceful X-mas. Take care!

The internetversion is much more comprehensive then the paperedition.

N D B

285	0027	PT	Katowice/Pyrzowice	POL	id	nr76
285	2132	O	Szczecin-Goleniow	POL	id	ti17
286,5	2209	FI	Pta. de Cala Figuera	E	id+dash	nr76
288,5	0029	UD	Cabo Salou	E	id	nr76
290	2240	ONL	Liege-Bierset	BEL	id x2 + 6 sec tone	ti47

## EUNL1999

290	2230	GRZ	Graz	AUT	id	pt53
290	2204	TR	Tirana/Rinas	ALB	id	zeTC
290,5	2241	VI	Cabo Vilano Lt.	E	id x2 + 45 sec tone	ti47
292	2231	NKR	Neckar	D	id	zeTC+pt53
293	1730	OB	Brussels-Nationaal	BEL	id + 3 sec tone	ti47
296	2135	S	Unid	?	id x4+24 sec.tone+id x2	ti17
296	2153	H	Unid (not s!)	?	id x2 + 22 sec.break	ti17
300,5	2243	LW	Koeln-Overrath	D	id	ti47
303	2159	RTT	Rattenburg	AUT	id	pt53
304,5	2244	MY	Unid (Cabo Mayor/E, ed)	?	id x2 + 45 sec tone	ti47
305	2245	MST	Muenster - Greven	D	id	ti47
307	2301	PG	Praha/Ruzyne	TCH	id	nr76
307,5	2326	RS	Ristna	EST	id+dash	ti47+nr76
308	2217	MOJ	Mojkovac	YUG	id+dash	zeTC
309	0910	KI	Unid	?	id x2 + tone	ti25
309,5	2029	WE	Wangerooge	D	id x2 + 57 sec. tone	ti25
309,5	0254	EYa	Mys Evpatoriyskiy	UKR	id + dash	dmRU
309,5	0255	OD	Odesskiy/Mys Bol.Fontan	UKR	id + dash	dmRU
309,5	0258	TR	Mys Tarkhankutskiy	UKR	id + dash	dmRU
309,5	0259	SW	Mys Khersonesskiy	UKR	id + dash	dmRU
311	1205	LMA	Brueggen-Lima	D	id	ti47
314	2305	VG	Ile Vierges	F	id+dash	nr76
315	0030	MIL	Millau/Larzac	F	id+dash	nr76
316	2005	PH	Eindhoven	HOL	id	ti47+pt53
322	2224	S	UNID	?	id 38x=1 min	zeTC
323	0847	GT	Hamburg	D	id	ti25
323	1445	ONC	Charleroi	BEL	id + 5 sec tone	ti47
324	0037	MOU	Moulins	F	id+dash	nr76
324	2159	ON	Norkoeping	S	id	ti17
328	1448	LV	Koeln-Bonn	D	id x2 + 5 sec tone	ti47
329	0914	US	Unid	?	id + 2 sec. tone	ti25
330	2201	HC	Unid	?	id	ti17
334	2202	FAU	Bornholm-Fauna	DNK	id	ti17
334	2102	GMN	Gormanston	IRL	id	pt53
335,5	1450	TWN	Twenthe-Enschede	HOL	id	ti47
336,5	1449	NIK	St. Niklaas	BEL	id + 7 sec tone	ti47
337	0003	RMG	Romagnano	I	id	nr76
337	2059	ZL	Maastricht	HOL	id	pt53
337	2342	MY	Myggeanes	FAR	id	zeTC
338	0055	OA	Jonköping	S	id	ti17+nr76
338	2340	NC	Nice	F	id+dash	zeTC
340	2203	N	Roenneby	DNK	id	ti17
341	1811	LO	Billund	DNK	id	ti17
344	2034	HN	Hohn AFB	D	id + 4 sec. tone	ti25
344	2206	HEK	Hekka	FIN	id	ti17
346,5	0917	BMN	Bremen	D	id	ti25
348,5	1451	LG	Liege-Bierset	BEL	id	ti47
350,5	0918	FU	Hamburg-Fuhlsbuettel	D	id	ti25
351	2207	OV	Visby	S	id	ti17
351	2208	NS	Malmo-Sturup	S	id	ti17
353	1815	KIL	Kiel-Holtenau	D	id	ti17
355	2249	ONW	Antwerpen-Deurne	BEL	id + 17 sec tone	ti47
357	1804	NRG	Neubrandenburg	D	id	ti17
358	2350	SCV	Suceava/Salcea	ROM	id	nr76
360	0003	OS	Goeteborg/Save	S	id	nr76
361	0005	LIE	Turku/Lieto	FNL	id	ti17+nr76
362	1821	OEM	Unid (not OE on 363!)	?	id + 2 sec. tone	ti17
363	2143	OE	Kristianstad-Everod	S	id	ti17
365	1452	LJ	Koeln	D	id	ti47
366	2212	MB	Lolland-Maribo	DNK	id	ti17
366,5	2032	BER	Bern-Belpe	SUI	id	pt53
367	2120	ZAG	Zagreb	HRV	id	pt53
368	2213	RK	Roskilde	DNK	id	ti17
368,5	1907	ELU	Luxembourg	LUX	id	pt53
370	2030	PSN	Spessart (not PSA? ed)	D	id	pt53
370,5	2217	LB	Aengelholm	S	id	ti17
372	2230	NW	Maastricht	HOL	id	pt53+ti47+zeTC
373	2216	BTH	Barth	D	id	ti17

## EUNL1999

375	1805	CHO	Chociwel	POL	id	ti17
375	1825	KD	Kristianstad	S	id	ti17
377	0010	MGB	Moenchengladbach	D	id + 2 tones	ti47+pt53
379	2130	REK	Reksten	NOR	id	pt53
380	2357	VNV	Villanueva	E	id	nr76
380	1241	FLB	Flensburg	D	id	ti25
380	2218	LF	Roenneby	S	id	ti17
380	2246	KA	Tirana/Rinas	ALB	id, every 10 seconds	pt53
381	2147	ESP	Espo-Helsinki	FIN	id	ti17
382	1916	SBG	Salzburg	AUT	id	pt53
383	1915	SHD	Scotstownhead	G	id	pt53
383,5	2134	GUL	Gulpen	HOL	id	ti47+pt53
385	2136	BO	Zadar/Bokanjac	HRV	id	pt53
385	2237	MSE	Munich	D	id	zeTC
386	2220	LK	Tallin-Ulemiste	EST	id	nr76+ti17
386,5	2138	SLV	Spa/La Sauveniere	BEL	id	pt53
387	1243	SLT	Sylt	D	id + 30 sec. tone	ti25
388	2221	COR	Stockholm-Cornar	S	id	ti17
389	0027	RK	Turku	FNL	id	nr76
390	1246	JEV	Jever	D	id + 2 sec. tone	ti25
390	2119	AVI	Aviano	I	id	pt53
392	2222	RW	Berlin-Tege1	D	id	pt53+ti17
392	2224	GDY	Godby-Mariehamn	FIN	id	ti17
397	1456	EHN	Eindhoven	HOL	id	ti47
398	2323	D	Plzen/Line Res.Heliport	TCH	id	nr76
399	2238	NGY	New Galloway	G	id	pt53
399,5	2243	ONO	Oostende	BEL	id+dash	zeTC
400	2157	EN	Oerebroe	S	id	ti17
400	2111	MO	Macon	F	id+dash	zeTC
400	2245	BRZ	Rijeka/Krk/Breza	HRV	id	zeTC
402	2347	ORW	Paris-Orly	F	id	zeTC
404	2158	DA	Dalen-Torp	NOR	id	ti17
404	2015	LW	Luxembourg	LUX	id	pt53
406,5	1458	BOT	Bottrop	D	id	ti47
408	2056	BRK	wien/Schwechat/Bruck	AUT	id	pt53
409	2200	SG	Satarnaes	S	id	ti17
409	2128	DAR	Darlowo	POL	id	ti17+pt53
413	2235	DLS	Berlin-Tempelhof/Lubars	D	id	nr76
413	2218	KTI	Innsbruck/kuehtal	AUT	id	pt53
415	1829	OL	Lindkoeping-Saab	S	id	ti17+ti17
417	0017	AH	Angelholm	S	id	nr76
417	1459	LI	Duesseldorf	D	id + dot	ti47
418	0019	L	Tallinn/Ulemiste	EST	id	ti17+nr76
418	2350	ZW	Zeltweg	AUT	id	pt53+nr76
418	2133	INN	Innsbruck	AUT	id	pt53
420	2203	SS	Malmoe-Sturup	S	id	ti17
421	2208	MF	Halmstad	S	id	ti17+nr76
423	2204	FE	Odense-Beldringe	DNK	id	ti17
426	2205	GBG	Gleichenberg	AUT	id	ti17
426	1500	WYP	Unid (wipperfurth,ed)	D	id	ti47
431,5	1501	ONT	Kleine Brogel	BEL	id + 13 sec tone	ti47
434	2104	THN	Thorn	HOL	id	ti47+pt53
440	2203	PIA	Piacenza/St.Damiano	I	id	nr76+pt53
441	1835	DRE	Drezdenko	POL	id	ti17
484	2206	IA	Brno-Turany	SVK	id + 6 sec. tone	ti17
490	0016	WAK	Vakarel	BUL	id	nr76
520,5	1811	EA	Unid	?	id	ti17
521	2224	BSW	Bucuresti/Banasa	ROU	id	zeTC
580	1814	KT	Unid	?	id	ti17
590	2058	OL	Szczecin-Goleniow	POL	id	ti25
600	1817	KR	Krasnoborka	UKR	id x2 + 22 sec. break	ti17
615	2100	OM	Gorm-Plattform	IW	id	ti47
645	1819	RO	Unid	?	id	ti17
670	2041	LB	Liubimivka	UKR	id	dmRU
672	1821	DT	Unid	?	id	ti17
718	1823	SL	SoLoveyevka	UKR	id x2 + 22 sec. Break	ti17
1046	2100	TZ	Vologda	RUS	id + dash	dmRU
1055	2042	IN	Sukhotino	RUS	id	dmRU



## EUNL1999

1080	2038	AR	Buzharovo	RUS	id		dmRU
1150	2036	BN	UNID	?	id (2x2=1min)		dmRU

## F I X E D

2136	0700		Czech station	CZE	USB 9-tone callup + YLmsgs		abNL
2550	2115	M51	French intel/mil	F	cw 5LG's		abNL
2680	2157	4XZ	Ny Haifa	ISR	cw-id vvv de 4XZ 4XZ = =		ti47
2994	2201		Numbers X11 (MOSSAD)	ISR	AM PCD,msg group 8, 5lg		ti47
3158,5	2023	FDE14	AF Contrexeville	F	cw-vvv		ti47
3195	2207	R	Ny Ustinov	RUS	cw Channelmarker		abNL
3322	2149	R	Ny Ustinov	RUS	cw Channel marker		abNL
3337,7	2257		Ny St. Petersburg	RUS	cw-channelmarker L		ti25
3413	2202		Shannon Volmet	IRL	USB		abNL
3756	1912	XP	the Pip	RUS	cw-no msgs		abNL
3768,2	1805	FDC	AF Metz	F	cw-vvv		pcG+zeTC
3828	2054	VLDR	unid, tactical	?	cw-clg J7VT for QTC		ti17
3840	2216		Numbers X18 (MOSSAD)	ISR	AM msg 5lg		ti47
3840	2200	E10	Israeli Intel.	ISR	AM YHF + msgs		abNL
3959	2117	M51	French intel/mil	F	cw 5LG's		abNL
4015	2120	HC8W	Unid	?	cw-5LGs		abNL
4015	2219	FDE14	AF Contrexeville	F	cw-vvv		ti47
4023	2123		Unid	?	cw-5FGs in progress		abNL
4325	2117	R	Ny Ustinov	RUS	cw Channelmarker		abNL
4325	2150	R	Ny Ustinov	RUS	cw Channel marker		abNL
4461	2220		Numbers X22 (MOSSAD)	ISR	AM msg 5lg		ti47
4463	2200	E10	Israeli Intel.	ISR	AM FTJ2		abNL
4495	1740	M51	French intel/mil?	F	cw-5LG msgs		abNL
4503	2058	FDI22	AF Narbonne	F	cw-vvv		ti47
4503	2221		unid, F AF?	?	cw-msg 5lg		ti47
4518	2059	FDI22	AF Narbonne	F	cw-vvv		ti47
4558	2059		Ny Arkhangelsk	RUS	cw-channelmarker S		ti47
4560	2100		Numbers X25 (MOSSAD)	ISR	AM *YHF*, group 61		ti47
4582	1905	FDE14	AF Contrexeville	F	cw-vvv		ti47
4602	2325		unid	?	cw-msg 5ng, 0=T		ti25
4612,5	1925	FDI8	AF Nice	F	cw-vvv		zeTC
4620	2058	FDI8	AF Nice	F	cw-vvv		ti17
4665	2118	E10	Israeli Intel.	ISR	AM MIW2		abNL
4731	1800	MKL	RAF Kinloss	G	cw-TAFS		abNL
4783	2106		unid	?	cw-msg 5ng		ti47
4880	2200	E10	Israeli Intel.	ISR	AM ULX2		ti47+abNL
4996	2109	RWM	TS Moskva	RUS	cw-vvv CQ CQ CQ de RWM RWM		ti47
5000	1916		Numbers X28 (MOSSAD)	ISR	AM ZWL		ti47
5005	2146	MFA	Bucharest (tentative)	ROU	cw 4 char groups		abNL
5027	2110		M10	?	cw-In Progress		abNL
5091	2130	E10	Israeli Intel.	ISR	AM JSR + msgs		ti47+abNL
5093	2128		Backward Music Station	?			abNL
5154	2155	M21	Russian Air Defense	RUS	cw BT99T158??8?????		abNL
5154	2155	R	Ny Ustinov	RUS	cw Channel marker		abNL
5193	1027		UNID	?	cw cont 5 ltr gps		pcG
5241,5	2307		unid	?	cw-msg 5ng		ti25
5320	1900	M51	French intel/mil	F	cw-msg nr 57		abNL
5322,5	1918	FDI22	AF Narbonne	F	cw-vvv		ti47
5337,5	2237	FDG	AF Bordeaux	F	cw-vvv		ti47
5342	1919	FDY	AF Orleans	F	cw-vvv		pt53+ti47
5409	2109		Unid	?	cw VBFV wkg TS5V, 5FGs		abNL
5435	2240		Numbers X32 (MOSSAD)	ISR	AM msg 5lg		ti47
5443	2110		unid	?	cw-msg 5ng, groups twice		ti17
5446,5	1920	FDC	AF Metz	F	cw-vvv		abNL+pcG+ti47
5746	1925		Numbers LP02 (MI6)	CYP	USB msg 5ng		ti47
5780	0625	4TMO	unid, tactical	?	cw-clg LZSG,svc-tfc		ti25
5907,5	1930		unid	?	cw-msg 5lg		ti47
5947	0523		unid	?	cw-msg 5ng, 0=T		ti25
6212	1245	R	Ny Izhevsk	RUS	cw-mkr, vy strong here		dmRU
6270	1932		Numbers X42 (MOSSAD)	ISR	AM ULX2		ti47
6458,5	2347		USN NAVCOMSTA (prob Key west)	USA	USB AFRTS relay		abNL
6485	1941		Numbers LP03 (MI6)	CYP	USB msg 5ng		ti47
6501	2356	NMN	USCG Chesapeake	USA	USB wx forecasts		abNL

## EUNL1999

6595	1855		French pirates	F	LSB mike-test +Lalalala+	ti17
6620	2129		unid	?	USB encrypted voice-tfc	ti47
6643	1943		Ny Ustinov	RUS	cw-channelmarker R	ti47
6658	2312		Numbers X39 (MOSSAD)	ISR	AM KPA2	ti25
6690	1135	Z2	Unid	?	cw C6C6 De Z2 Z2 off 1140	ewAU
6745	1946		Numbers X47 (MOSSAD)	ISR	AM CIO2	ti25
6765	0818		Numbers B15 (BND)	D	USB msg 5ng	ti25
6769	1207	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti25
6769	2011		unid	?	cw-cont. 729 729 729 ...	ti25
6779	2023		unid	?	cw-msg 5lg,cyrilic	ti17
6790	2200	E07	English man	RUS	AM 915 00000	abNL
6815	0617	ICI02	CG Livorno	I	clg ICI,no success	nr76
6815	0618	ICI03	CG Fiumicino	I	wkg ICI06	nr76
6815	0620	ICI05	CG Reggio di Calabria	I	wkg ICI07	nr76
6815	0614	ICI08	CG Ravenna	I	wkg ICI11	nr76
6815	0618	ICI06	CG Bari	I	wkg ICI03	nr76
6815	0620	ICI07	CG Ancona	I	wkg ICI05	nr76
6815	0614	ICI11	CG Catania	I	wkg ICI08	nr76
6815	0655		Compamare Manfredonia	I	wkg Termoli	nr76
6815	0627		Compamare Molfetta	I	wkg NA1	nr76
6815	0655		Compamare Termoli	I	wkg Manfredonia	nr76
6815	0651		Tavola Due ??	I	wkg ICI	nr76
6817,5	2133	FDG	AF Bordeaux	F	cw-vvv	ti47
6825	0821	FAV22	FF Mons-Valerien	F	cw-vvv,id,Morse-exercise	ti25
6836	2012	FDG	AF Bordeaux	F	cw-vvv	ti25
6838	0915	FDE14	AF Contrexeville	F	cw-vvv	ti47
6840	2133		Numbers X41 (MOSSAD)	ISR	AM wkg msg 5lg	ti47
6844,5	1510	FDC	AF Metz	F	cw-vvv	ti47
6865	2154	FDG	AF Bordeaux	F	cw-vvv	ti25
6871	0832	HEP7	INTERPOL Zurich	SUI	cw-vvv	ti47
6875	1948	FDI22	AF Narbonne	F	cw-vvv	ti25
6887,5	0740	FDC	AF Metz	F	cw-vvv	ti25
6903	2100		Unid	?	cw-endless Cyrillic charac.	abNL
6925	0800	M51	French intel/mil	F	cw msg nr 8	abNL
6934	0925	FDC	AF Metz	F	cw-vvv	ti25
6945	2121		unid	?	cw-msg 5ng, 0=T	ti25
6959	2135		Numbers LP05 (MI6)	CYP	USB msg 5ng	ti47
6959	2200	E03	Lincolnshire Poacher	CYP	USB id 10233	abNL
6963	0805	M51	French intel/mil	F	cw msg nr 9	abNL
7337	2100	E03	Lincolnshire Poacher	CYP	USB id 51327	abNL
7340	2315		unid	?	cw-msg 5lg	ti25
7362,5	1854	FDI22	AF Narbonne	F	cw-vvv	ti47
7433	0534	FDG	AF Bordeaux	F	cw-vvv	ti25
7472,5	0834	FDC	AF Metz	F	cw-vvv	ti47
7472,5	1600		unid	?	cw-cont. vvv vvv vvv ...	ti47
7473	0905	FDC	AF Metz	F	cw-vvv	abNL
7484	0814	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti25
7492	0017		unid	?	cw-cont. V V V handkeyed	ti25
7572,5	1130	FDC	AF Metz	F	cw-vvv	ti47
7657	1721		unid	?	cw-cont. 135 135 135	ti25
7668	2245	8BY	Intel St. Asisse	F	cw-270\532	ti25
7731,5	2140		unid	?	cw-msg 5ng	ti47
7739	2324	FDI22	AF Narbonne	F	cw-vvv	ti25
7788	0746	FDE14	AF Contrexeville	F	cw-vvv	ti47
7820	1847	FDI8	AF Nice	F	cw-vvv	pcG
7830	0919		unid	?	cw-cont, 284\00, 0=T	ti47
7834,5	1207	FDC	AF Metz	F	cw-vvv	abNL+ti47
7858	2003		Numbers B22 (BND)	D	USB GOLF KILO, 477-94	ti25
7860	1858		unid	?	cw-msg 5ng, 0=T	ti47
7870	1953	LN2A	NTA Sveio IPS	NOR	cw-id + synch + data	ti17
7944	2134		unid	?	cw-cont. vvvvkk	ti25
7948	2218	CALORIE	unid AF	F	USB voice mirror	ti25
7960	2021	FDG	AF Bordeaux	F	cw-vvv	ti25
8085	1727		Numbers E27 (CIA)	USA	AM msg 5ng	ti25
8094,5	2023	FDC	AF Metz	F	cw-vvv	ti25
8101	1730		unid, Pirates?	?	USB OMs in EE, smalltalk	ti25
		Elba Island	mentioned, QSX to 12365	to	bad frequency conditions!	ti25
8118	1501		unid	?	cw-msg 5lg, cyrilic	ti25

## EUNL1999

8148	1133	SNN299	MFA Warszawa	POL cw-id in F1A-mode	ti47
8192	2013		Numbers EM08 (DoSC)	RUS AM cont, 319 319 319 000	ti17
8300	1505	V13	New Star Broadcasting	TWN USB music + numbers	abNL
8464	1621		Numbers LP08 (MI6)	CYP USB msg 5ng	ti25
8465	1622		Numbers X48 (MOSSAD)	ISR AM SYN2	ti25
8673	1607		unid	? cw-msg 5lg,cyrilic	ti25
9032	1045		Unid	CLM?usb in SS Barranquilla mentewAU	
9075	2111		unid	? cw-cont. V V V handkeyed	ti25
9080	0921		Numbers RM05 (unid)	RUS AM msg 5ng	ti47
9130	2035		Numbers X64 (MOSSAD)	ISR AM 5lg	ti25
9186	0802	HEP9	INTERPOL Zurich	SUI cw-vvv	ti47
9225	2027		Numbers EM08 (unid)	RUS AM msg 5ng OM in ee groups	ti25
9251	2112		Numbers LP09 (MI6)	CYP USB msg 5ng	ti25
9255	2206		unid	? cw-cont, 529 529 529 ...	ti25
9274	1142		CIA	USA usb Cynthia read 5lt grps	ewAU
9285	0803		unid	? cw-cont, 579 579 579 ...	ti25
9295	0642	FDE14	AF Contrexeville	F cw-vvv	ti25
9382	1627		Numbers X52 (MOSSAD)	ISR AM msg 5lg, GROUP 89	ti25
9996	1609	RWM	TS Moskva	RUS cw-id vvv+CQ, timesynch	ti47
10015	2003		unid	? cw-cont, 320 320 320 ...	ti25
10125	0900	M08	Unid	? cw id`s IADTA GWMTN WNMKN	abNL
10144	1137	DK0WCY	DARC Suederbrarup	D cw-id DK0WCY BEACON	abNL+ti47
10164	0640		unid	? cw-cont K1T388	ti25
10248	0841	M16	French intel	F cw VVV 8BY + msgs	ti17+abNL
10275	1007	RYM4	URSI Moscow	RUS USB wx in Russian	abNL
10306,5	0934	OLZ88	MFA Prague	CZE cw testing with OLZ7	abNL
10355	1612	4XZ	Ny Haifa	ISR cw-id vvv de 4XZ 4XZ = =	ti47
10385	2053		unid	? cw-cont, 531 531 531	ti25
10407	1016	LN2A	IPS beacon Sveio	NOR cw-RTTY,data transmis.ti47+abNL	
10423	1635		Numbers E35 (CIA)	USA USB msg 5ng	ti25
10426	1636		Numbers LP10 (MI6)	CYP USB msg 5ng	ti25
10440	1459		unid	? cw-msg 5lg, cyrilic	ti47
10442	1528	M42	FAPSI	RUS wkg VTX on link 00098 in cw	abNL
10470,5	1146	FDC	AF Orleans	F cw-vvv	ti25
10535	1248		Unid	? cw VVV K NR 2225T ar ar 496	abNL
10548	1519		unid	? cw-msg cyrilic text	ti25
10583	2112		Numbers E38 (CIA)	USA USB msg 5ng	ti25
10640,1	1020	NYZ	Unid	? cw-vvv de Q2M de NYZ	ewAU
10648	1638		Numbers X55 (MOSSAD)	ISR AM msg 5lg	ti25
10670	1158	FDI8	AF Nice	F cw-vvv	abNL
10671	0827	FDE14	AF Contrexeville	F cw-vvv	ti25
10772	0855		unid	? cw-msg 5lg, cyrilic	ti47
10790	0907		Unid	? cw-EQ8Q K repeated sev.time	abNL
10804	1532		unid	? cw-msg 5lg	ti25
10815	1647	M42	FAPSI	RUS Mazielka (selcall), no msgs	abNL
10820	2002		Numbers X56 (MOSSAD)	ISR AM VLBC2	ti47
10970	1920		Numbers X57 (MOSSAD)	ISR AM MIW2	ti25
10987	2032	FXKM	unid, tactical	? cw de FXKM FXKM FXKM QSA?	Kti25
10992	0810		Numbers SL31 (unid)	CUB AM msg 5ng	ti47
10996	1513	FDI8	AF Nice	F cw-vvv	ti17
11000	0958		unid	? cw-msg 5ng	ti47
11075	1628		unid	? USB tones	ti25
11092,5	1902		Radio St. Helena	SHN USB,mx,id,phone in	ai47
			This was the very last Radio St. Helena Day!		
11212	1200	MKL	RAF Kinloss	G cw-TAFS	abNL
11345	1704		unid	? cw-cont, 222 222 222	ti25
11470	1650		SWRS wuppertal	D USB voice mirror, test-tx!	ti25
12075	1146	8BY	Intel St. Asisse	? cw-029\018\532	ti47
12075	0840	M16	French intel	F cw VVV 8BY + msgs	abNL
12102	0600	XPH	Polytone station	RUS msg	abNL
12197	2004		Numbers E47 (CIA)	USA USB 268, count 126	ti25
12221	1117		CIA	USA usb Cynthia read 5 lt grps	ewAU
12635	1735		unid, Pirates?	? USB smalltalk: Hollydays	ti25
12747	2147		Numbers X60 (MOSSAD)	ISR AM VLB2	ti25
13375	1627		Numbers LP14 (MI6)	CYP USB msg 5ng	ti25
13450	1727		Numbers E50 (CIA)	USA AM msg 5ng	ti17
13465	1822		Numbers E49 (CIA)	USA AM msg 5ng, COUNT 114	ti25
13467	1157	SNN299	MFA Warszawa	POL cw-id in F1A-mode	ti25

## EUNL1999

13502	0620	XPH	Polytone station	RUS	cw call AAUN + tone msg	abNL
13921	1816		Numbers X80 (MOSSAD)	ISR	AM MIW2	ti47
14396	0903	LN2A	NTA Sveio IPS	NOR	cw-id+synch+data	ti25
14487	1600	E03	Lincolnshire Poacher	CYP	USB id 10898	abNL
14577	1249		Numbers E52 (CIA)	USA	AM msg 5ng	ti25
14648	1154	4XZ	Ny Haifa	ISR	cw-msg 5lg, later id pt53+	ti47
14732	1604	SNN299	MFA warsaw	POL	cw vvv DE SNN299 PSE GA	abNL
14802	0640	XPH	Polytone station	RUS	cw call AAUN + tone msg	abNL
14866	1648		Numbers X65 (MOSSAD)	ISR	AM clg VLB 2	ti25
14931	0842	M16	French intel	F	cw vvv 8BY + msgs	ti25+abNL
14996	0909	RWM	TS Moskva	RUS	cw-vvv CQ CQ CQ de RWM RWM	ti25
15682	1159	SNN299	MFA Warszawa	POL	cw-id in F1A-mode	ti47
15682	1621		Numbers LP17 (MI6)	CYP	USB msg 5ng	ti25
15732	1439		Numbers E57 (CIA)	USA	AM msg 5ng	ti25
15980	1233		Numbers X66 (MOSSAD)	ISR	AM EZI2	ti25
16084	1400	M03	Lincolnshire Poacher	CYP	USB id 70457	abNL
17410	0939		Numbers X88 (MOSSAD)	ISR	AM msg 5lg	ti47
17410	0830	E10	Israeli intel.	ISR	AM EZI + msgs	abNL
17499	1300	M04	Cherry Ripe	GUM	USB id 44873	abNL
18084	1328		Numbers LP17 (MI6)	CYP	USB msg 5ng	ti25
18332	0745	M42	FAPSI	RUS	cw-calling RPR on link 10042	abNL
18415	1656	8BY	Intel St. Asisse	F	cw- 629\476\784	ti25
18481	1701	4XZ	Ny Haifa	ISR	cw-id vvv de 4XZ 4XZ = =	ti25
18497	1904		unid	?	cw-msg 5ng, very fast	ti25
19715	0930	E10	Israeli Intel.	ISR	AM EZI + msgs	abNL
20474	1000	E04	Cherry Ripe	GUM	USB id 40351	abNL
21450	1655		SWRS wuppertal	D	USB voice mirror, test-tx	ti25
22108	1321	E03	Lincolnshire Poacher	CYP	USB in progress file:/14487	abNL
22387,5	1143	SVU	Athens R.	GRC	cw DE SVU	abNL
23461	1130	E04	Cherry Ripe	GUM	USB in progress	abNL
24210	0420		Australian Net	AUS	usb AUS Commercial Network	ewAU
26105	1246		Unid	?	USB Spanish talks	abNL
26110	1244		Unid	?	FM Spanish talks	abNL
26150	1248		Unid	HOL	FM pager	abNL
26165	1250		Unid	HOL	USB Dutch talks	abNL
26305	1252	ANGEL	Unid	?	FM Spanish talks	abNL
26450	1255		Unid	HOL	FM pager	abNL
26650	1255		Unid	HOL	FM pager	abNL
26665	1255		Unid	?	USB Talks in a Slavic lang.	abNL
26725	1230		Unid	?	FM pager + German talks	abNL
26765	1224		Unid	?	FM pager + English talks	abNL
26795	1235		Unid	?	FM pager	abNL
26902	1240		Unid	?	FM pager	abNL

## M A R I T I M E

439,5	1848	LZW	Varna R.	BUL	cw-wkg nav-wngs	ti17
448	0922	SDJ	Stockholm R.	S	cw-wkg nav-wngs	ti25
1641	2035	OXJ	Torshavn R.	FAR	USB,E/Vn,nav. warning	pt53
1650	1906		Cross Joburg	F	USB,F,wx	pt53
1728	2105	LGN	Bergen R.	NOR	USB,E/Norw., nav. warning	pt53
1770	2107		Shetland CG	G	USB,E,wx	pt53
1785	2015	IQH	Napoli R.	I	USB wkg pp to Napoli	ti47
1794	2235	SPO	Szczecin R.	POL	USB tfc-list	ti25
2182	2235	EJK	Valencia R.	IRL	AM qsy for nav-wngs	ti47
2182	2106	OSU	Oostende R.	BEL	USB,E/Dutch,QSY 2761	pt53
2182	1905		Cross Corsen	F	USB,F,QSY	pt53
2182	1904		Cross Joburg	F	USB,F,QSY	pt53
2182	2104	LGN	Bergen R.	NOR	USB,E/norw.,QSY 1728	pt53
2226	2021		Aberdeen Coastguard	G	USB,E,wx	pt53
2639	2041	SPS	Witowo Radio	POL	cw DE SPS/TOR K	abNL
2346	1926		Norwegian Ships	IW	USB smalltalk: Phonenumbers	ti17
2643,5	2350	SPS	Witowo R.	POL	cw-de sps/tor k	pt53
2680	2020	IDC	Cagliari R.	I	USB wkg nav-wngs	ti47
2693	1941		British Ships	IW	USB Liverpool-accent, smallt	ti17
2719	2021	IZN	Porto Torres R.	I	USB wkg nav-wngs	ti47
2761	1850	OSU	Oostend R.	BEL	USB nav-wngs	ti47
3282	2025		German Ships	IW	USB smalltalk: timesceds!	ti47

## EUNL1999

3340	2048	Dutch Ships	IW	USB smalltalk: Journeys	ti17
3391	2027	Dutch Ships	IW	USB smalltalk: girls!	ti47
3480	2305	German ships	IW	USB smalltalk: shopping!	ti25
3678	2309	SXH32 Ny Kriti	GRC	cw-vvv	ti25
3712	2310	SXA33 Ny Spata Attikis	GRC	cw-vvv	ti25
4191	2037	unid	?	USB encrypted voice tfc!	ti47
4210,5	2039	IAR Roma R.	I	cw-sitor-id	ti47
4211	2038	GKE2 Portishead R.	G	cw-sitor-id	ti47
4215,5	2040	OXZ Lyngby R.	DNK	cw-sitor-id	ti47
4216,5	2241	IAR Rom R.	I	cw-iar + SITOR	pt53
4218	2041	OST Oostend R.	BEL	cw-sitor-id	pt53+ti47
4224,5	1020	XSN Ningbo R.	CHN	cw stn-mkr	ewAU
4241,5	2044	LGW Rogaland R.	NOR	cw-cq cq cq de abNL+pt53+ti47	
4241,5	2045	4XZ Ny Haifa	ISR	cw-vvv de 4XZ 4XZ ==	ti47
4253	2046	TAH Istanbul R.	TUR	cw-de TAH QSX ...,	ti47
4259	2232	SAB Göteborg R.	S	cw-sab + SITOR	ti47+pt53
4260	2049	TBA Ny Ankara	TUR	cw-vvv, id for T13A-bcst!	ti47
4262	1744	LFI Rogaland Radio	NOR	cw marker	abNL
4273	1740	SAA Karlskrona Radio	S	cw VVV SAA	abNL
4274	2227	GKB2 Portishead R.	G	cw-de gkb gsx abNL+ti47+pt53	
4275	2052	SAA Karlskrona R.	S	cw-cq cq cq de ...	ti47
4302	2223	A9M Bahrein R.	BHR	cw-cq	pt53
4314	2222	LZW26 Varna R.	BUL	cw-de lzw	pt53
4320	2219	IAR4 Roma R.	I	cw-vvv de iar	pt53
4331	2218	4XZ Ny Haifa	ISR	cw-vvv mrk	pt53
4346	2054	9AR Rijeka R.	HRV	cw-vvv de 9AR 2 3 7 ...	ti47
4350	2056	TBB Ny Ankara	TUR	cw-vvv	ti47
6322	0700	OST Ostende R.	BEL	cw-ost + SITOR	pt53
6389	2126	AQP Ny Karachi	PAK	cw-vvv AQP 2/4/5/6	zeTC
6465	2046	UIW Kaliningrad R.	KAL	cw wkg unid vessel	abNL
6467	2116	LFI Rogaland R.	NOR	cw-sitor-clover-id	ti17
6467,5	2148	VTG5 Ny Mumbai	IND	cw-vvv VTG 4/5/6/7	zeTC
6470	2125	SXA24 Ny Spata Attikis	GRC	cw-vvv	ti47
6502	2127	TBB6 Ny Ankara	TUR	cw-vvv	abNL+ti47
6779	1803	DHJ59 Ny wilhelmshaven	D	USB wkg DRHO, svc-tfc	ti17
6779	2025	DRAT FGS Emden	IW	USB wkg DHJ59, msgs, qsl	ti17
6880	1452	IDR Ny Roma	I	USB wkg unid, sitrep	ti25
6880	1845	ICE Ny Brindisi	I	USB wkg unid,posrep+statrept	ti25
6880	1927	unid Ny	I	USB wkg 2FR, ending	ti17
7863,5	1951	SPW Warszawa R.	POL	cw-de SPW QSX 8400,0 KHZ AZ	ti17
7865	1947	SPW Warszawa R.	POL	USB wkg pp to unid	ti17
8220	1942	German Ships	IW	USB smalltalk:air-condition	ti25
8250	2035	German ships	IW	USB smalltalk: Nintendo	ti25
8335,3	1755	DRAE FGS Luetjens	IW	USB wkg DHJ59,msgs,qsl	ti25
8335,3	1841	DRKH FGS Meersburg	IW	USB wkg DHJ59,msgs,qsl	ti25
8335,3	2005	DRAV FGS Karlsruhe	IW	USB clg DHJ59 rdock	ti17
8335,5	2000	DRAX FGS Gorch Fock	IW	USB wkg DHJ59,msgs,qsl	ti17
8350	2046	German ships	IW	USB smalltalk:ship accident	ti25
8417	2021	GKE4 Portishead R.	G	cw-gke 4 + SITOR	dmRU+pt53
8417,5	2033	XSV Tianjing R.	CHN	cw-sitor-id	pt53+ti17
8418	2023	IAR Rome R.	I	cw-iar + SITOR	pt53
8418	0332	LSD836 Argentina R.	ARG	cw-id + sitor	dmRU
8419,5	2028	PPR Rio R.	B	cw-ppr + SITOR	pt53
8420,5	2035	HEC18 Bern R.	SUI	cw-hec + SITOR	pt53
8420,5	2044	9VG78 Singapore R.	SNG	cw-9VG + SITOR	pt53
8421,5	2034	VRX Hongkong R.	HKG	cw-cq + SITOR	pt53
8422,5	2036	USU Mariupul R.	UKR	cw-usu + SITOR	dmRU+pt53
8423	2036	SVT Athinai R.	GRC	cw-de svt + SITOR	pt53
8424	0338	CBV Playa Ancha R.	CHL	cw-id + sitor	dmRU
8425,5	2039	HEC28 Bern R.	SUI	cw-hec + SITOR	pt53
8426,5	2046	WCC Chatham R.	USA	cw-vct/wcc + SITOR	pt53
8427	2047	OXZ Lyngby R.	DNK	cw-oxz + SITOR	pt53
8427,5	2048	A9M Bahrein R.	BHR	cw-de a9m tlx + SITOR	pt53
8428	2050	NMN USCG Camslant	USA	cw-nmn + SITOR	pt53
8429,5	1009	MNO USCG Honolulu R.	USA	cw stn-mkr	ewAU
8431	2051	TAH Istanbul R.	TUR	cw-tah + SITOR	pt53
8431,5	2115	UAT Moskau R.	RUS	cw-de uat + SITOR	pt53
8433	2117	XSG Shanghai R.	CHN	cw-xsg + SITOR	pt53

## EUNL1999

8434	0806	WLO	Mobile R.	USA	cw stn-mkr	ewAU
8435	2119	VCT	Tors Cove R.	CAN	cw-vct + SITOR	pt53
8435	2120	TAH	Istanbul R.	TUR	cw-tah + SITOR	pt53
8435,5	2121	OST40	Oostende R.	BEL	cw-ost + SITOR	dmRU+pt53
8448	2036	A9M	Bahrain R.	BHR	cw-cq de A9M	pt53+ti17
8473,5	2322	A7D	Doha R.	QAT	cw-id de A7D	ti25
8476	2137	9VG	Singapore R.	SNG	cw-cq de 9VG	pt53
8484	2138	HLF	Seoul R.	KOR	cw-cq de hlf	pt53
8489	1935	AQP	Ny Karachi	PAK	cw-vvv de aqp 2/4/5/6	pcG+pt53
8495	1727	RMP	RUSNy Kaliningrad	KAL	cw-channelmarker P	ti25
8495	1728	RCV	Ny Moskva	RUS	cw-channelmarker C	ti25
8495,3	1047	S	Ny Arkhangelsk	RUS	cw stn-mkr	ewAU
8515	2039	5AT	Tripoli R.	LBY	cw-vvv cq	pcG+ti17
8530	2045	IAR	Roma R.	I	cw-wkg tfc-list	ti17
8539	2112	VRX	Hongkong R.	CHN	cw-cq de VRX	pcG+pt53+ti25
8541	2053	A9M	Bahrain R.	BHR	cw-sitor-clover-id	ti17
8557	2012	SPE41	Szczecin R.	POL	cw-de spe + SITOR	pt53
8577	1849	HLO	Seoul R.	KOR	cw-cq	dmRU
8578,5	2017	SUH	Alexandria R.	EGY	cw-cq	pcG+ti17+pt53
8600	1800	XSV	Tjianjin R.	CHN	cw-de xsv	dmRU+ti17+pt53
8624	1806	XSQ	Guangzhou R.	CHN	cw-cq	dmRU+pt53
8650	1451	SPE	Szcencin R.	POL	cw-de SPE	abNL
8662	1808	TAH	Istanbul R.	TUR	cw-cq de tah	dmRU+pt53
8665	1809	XSG	Shanghai R.	CHN	cw-cq	dmRU+pt53
8670	1811	IAR8	Roma R.	I	cw-vvv de iar	dmRU+pt53
8685	1812	IRM	Roma Medico R.	I	cw-vvv mrk	pt53
8686	2032	CNP	Casablanca R.	MRC	cw-id cq cq cq de ...	ti25
8694	2206	XSZ	Dalian R.	CHN	cw-cq de xsz	pt53
8698	1814	7TF6	Boufarik R.	ALG	cw-cq	pt53
8700	2222	9AR	Rijeka R.	HRV	cw-vvv	dmRU
8737	2028	5BA	Cyprus R.	CYP	USB wkg voice-mirror	ti25
8743	2327	ASK	Karachi R.	PAK	USB wkg unid, pp	ti25
8788	1237	SPH	Gdynia R.	POL	USB,POL,wkg vessel	pt53
10046	1610	4XZ	Ny Haifa	ISR	cw-vvv	pt53
10355	1828	4XZ	Ny Haifa	ISR	cw-vvv	pt53
12178	1535	DRDK	FGS U-17	IW	USB wkg DHJ59,msgs,qs1	ti25
12415,3	1749	DRAU	FGS Koeln	IW	USB wkg DHJ59, msgs, qs1	ti47
12579,5	1517	9VG80	Singapore R.	SNG	cw-9vg + SITOR	pt53
12580	1040	GKE5	Portishead R.	G	cw-gke 5 + SITOR	pt53
12581,5	0352	WLO	Mobile R.	USA	cw-id + sitor	pt53+dmRU
12585	1516	NRV	USCG Agana	GUM	cw-nrv + SITOR	pt53
12585,5	0355	KPH	San Francisco R.	USA	cw-id + sitor	dmRU
12589	0357	NMO	USCG CAMSPAC Honolulu	HWA	cw-id + sitor	dmRU
12590	1521	9VG	Singapore R.	SNG	cw-9vg + SITOR	pt53
12599,5	1007	UAT	Moscow R.	RUS	USB Marker	pt53+abNL
12660	1736	LFI	Rogaland R.	NOR	cw-lfi + SITOR	pt53
12662	0730	7TF8	Boufarik R.	ALG	cw-cq	pcG
12664,5	1157	FUM	FNY Papeete	OCE	cw stn-mkr	ewAU
12678	1736	LFI	Rogaland R.	NOR	cw-lfi + SITOR	ti17+pt53
12698	1546	A9M	Bahrain R.	BHR	cw-cq de A9M	ti17
12700	1506	XSQ4	Guangzhou R.	CHN	cw-cq	pt53
12709	1547	A9M	Bahrain R.	BHR	cw-cq de A9M	pt53+ti17
12727,5	1549	LGJ	Rogaland R.	NOR	cw-id cq cq cq de ...	abNL+ti17
12728	1526	XSW	Kao-hsiung R.	TWN	cw-cq mrk	pt53
12732	1535	USU	Mariupol R.	UKR	cw-msgs,ID	pt53
12735	1527	URL	Sevastopol R.	UKR	cw-cq	abNL+pt53
12756	1550	A9M	Bahrain R.	BHR	cw-sitor-clover-id	ti17
12801	1552	TAH	Istanbul R.	TUR	cw-id de TAH QSX ...	pt53+ti17
12808,5	1845	VTG7	Ny Bombay	IND	cw-vvv de vtg 4/5/6/7	pt53
12843	1603	HLO	Seoul R.	KOR	cw-cq qsx	pt53
12856	1600	XSG	Shanghai R.	CHN	cw-cq	pt53+ti17
12891	1608	UFN	Novorossiysk R.	RUS	cw-de ufn	ti17+pt53
12916,5	1141	HLF	Seoul R.	KOR	cw-cq	pt53
12923	1612	HLW2	Seoul R.	KOR	cw-cq	pt53
12939	0503	SPE61	Szczenin R.	POL	cw stn-mkr	abNL+pt53+ti17+ewAU
12965	1702	USO5	Ismail R.	UKR	cw-de USO QRV	ti17
12966,8	1701	A7D	Doha R.	QAT	cw-de A7D	pt53+ti17
12969	1140	XSV	Tianjin R.	CHN	cw stn-mkr	pt53+ewAU

## EUNL1999

12970,5	1313	PKX	Jakarta R.	INS cw-cq	ti25
12970,5	0010	PKB	Belawan R.	INS cw-cq	nr76
12984	1315	4XZ	Ny Haifa	ISR cw-vvv de 4XZ 4XZ = =	pt53+ti25
13010	1625	AQP6	Ny Karachi	PAK cw-vvv de aqp 2/4/5/6	pt53
13015,5	1131	IAR3	Roma R.	I cw-vvv de iar	pt53
13022	1710	SPB	Szczecin R.	POL cw-sitor-id	abNL+pt53+ti17
13023	1712	D3E	Luanda R.	AGL cw-cq de D3E D3E D3E	.pt53+ti17
13024	1719	ASK	Karachi R.	PAK cw-wkg nav-wngs	pt53+ti17
13086	1809	YLQ	Riga R.	LVA USB,E/Ru,tfc-list,ID	pt53
13113	1120	HLS	Seoul R.	KOR USB Ode to Joy interval	sigabNL
13122	1125	SPC61	Gdynia R.	POL USB wkg unid vessel	abNL
13125	1240	LZW	Varna R.	BUL USB wkg MV Kapiko,pp-req,	ti47
13152	1126	OXZ	Lyngby R.	DNK USB phone patch	abNL
13167	1128	SPC64	Gdynia R.	POL USB phone patch	abNL
13188	1118	UAT	Moscow R.	RUS USB wkg unid vessel	abNL
13197	1116	UUI	Odessa R.	UKR USB wkg unid vessel	abNL
13458	1138	SPW	Warsaw R.	POL USB phone patch	abNL
16216	1332	OSU	Oostend R.	BEL USB wkg BPC,pp-request	ti25
16809	1229	WLO	Mobile R.	USA cw-wlo + SITOR	pt53
16809,5	1227	VIP	Perth R.	AUS cw-vip + SITOR	pt53
16811,5	0939	A9M	Bahrein R.	BHR cw-a9m tlx + SITOR	pt53
16813	0940	UAT	Moskau R.	RUS cw-de uat + SITOR	pt53
16815	0942	9VG83	Singapore R.	SNG cw-9vg + SITOR	pt53
16818,5	0943	9VG96	Singapore R.	SNG cw-9vg + SITOR	pt53
16822,5	0948	9VG97	Singapore R.	SNG cw-9vg + SITOR	pt53
16826	0949	ESA	Tallinn R.	EST cw-de esa + SITOR	pt53
16829	0950	USU	Mariupul R.	UKR cw-usu + SITOR	pt53
16830,5	0952	SVT	Athen R.	GRC cw-svt + tone	pt53
16831	0953	VRX84	Hongkong R.	SNG cw-vrx + SITOR	pt53
16841,8	0957	UJE	Nizhnij-Novgorod R.	RUS cw-uje + SITOR	pt53
16868	1002	9VG48	Singapore R.	SNG cw-9VG + SITOR	pt53
16880	1003	XSQ	Guangzhou R.	CHN cw-xsq + SITOR	pt53
16898,5	1005	UAT	Moscow R.	RUS cw-de uat + SITOR	pt53
16923,8	1018	OFJ7	Helsinki R.	FNL cw-ofj qsx	pt53
16935	1019	A7D	Doha R.	QAT cw-de a7d	pt53
16950	1005	9MB	Ny Lumut	MLA cw-vvv qsx	pt53
16984	0946	PPR	Rio R.	B cw-vvv	pt53
17021,6	1403	TAH	Istanbul R.	TUR cw-DE TAH	abNL
17050,3	1025	4XZ	Ny Haifa	ISR cw-vvv	pt53
17050,8	0925	ASK	Karachi R.	PAK cw-de ask qsx	pt53
17074	0927	LGW	Rogaland R.	NOR cw cq qsx	abNL+pt53
17096	0930	VRX80	Hongkong R.	HKG cw-cq de vrx80	pt53
17103,2	1026	XSG	Shanghai R.	CHN cw-cq	pt53
17113	0933	GKB6	Portishead R.	G cw-de gkb qsx	pt53
17118	1344	HLO	Seoul R.	KOR cw-cq, bad bubbling tone	dmRU
17130	0934	HLW	Seoul R.	KOR cw-cq	pt53
17147	1339	URL	Sevastopol R.	UKR cw-cq, ans 16669,5/22353	dmRU
17155,2	0938	8PO	Barbados R.	BRB cw-8PO + SITOR	pt53
17175,2	1029	A9M	Bahrein R.	BHR cw-cq qsx	pt53
17206	0632	IAR	Rome R.	I cw-vvv de iar qsx	abNL+pt53
17231,7	0630	CWA	Cerrito R.	URG cw-cq qsx	pt53
17238,9	0628	XSV	Tjianjin R.	CHN cw-cq de xsv	pt53
17239,7	1328	PKX	Jakarta R.	INS cw-cq mkr	dmRU
17248	0943	5BA62	Cyprus R.	CYP USB,Greek/E,ID	pt53
18481	1326	4XZ	Ny Haifa	ISR cw-vvv only	pt53
19687	1041	KHF	Guam R.	GUM cw-khf + SITOR	pt53
19696,5	1055	8PO	Barbados R.	BRB cw-8PO + SITOR	pt53
19726	1054	A9M	Bahrein R.	BHR cw-a9m + SITOR	pt53
22377	1051	GKE7	Portishead R.	G cw-gke 7 + SITOR	pt53
22382	1050	NRV	USCG Agana	GUM cw-nrv + SITOR	pt53
22383	1046	VIP71	Perth R.	AUS cw-vip + SITOR	pt53
22385	1421	OXZ	Lyngby R.	DNK cw-oxz + SITOR	pt53
22387	1245	SVU	Athen R.	GRC cw-de svu	pt53
22406	1350	UAT	Moscow R.	RUS cw-marker	abNL
22563,5	1343	9AR	Rijeka R.	HRV cw-vvv marker	abNL
22592,5	1344	A9M	Bahrain R.	BHR cw-cq marker	abNL
22596,5	1346	UFN	Novorossiisk R.	RUS cw-wkg unid vessel	abNL
22786	1348	ESA	Tallinn R.	EST USB phone patch	abNL

## EUNL1999

## A E R O (Ground - stations)

2941	2207	St. Petersburg Meteo	RUS	USB	volmet	abNL
3413	2302	Shannon Volmet	IRL	USB	wx for Hamburg	ti25
4645	2331	Tallin Volmet	EST	USB	actual wx-data 2250	ti25
4845	2008	Astana Volmet *NEW!!*	KAZ	am-wx	only for Astana	dmRU
5025	1404	Torba Saratov Aero	RUS	usb-checks	with Kazachok	dmRU
5450	1506	MVU RAF Upavon Volmet	G	USB	wx for Hannover	abNL+ti47
5505	0212	Shannon Volmet	IRL	USB	wx for Dublin	ti25
5598	0224	Gander Aero	CAN	USB	wkg 1312,posrep	ti25
5598	0226	Aero Santa Maria	AZR	USB	wkg 341,posrep	ti25
5598	2117	Shanwick Aero	IRL	USB	wkg 416,posrep	ti47
5616	2118	Gander Aero	CAN	USB	wkg 670,posrep,selcall	ti47
5649	0231	Gander Aero	CAN	USB	wkg AIRFRANCE4095,	ti25
5687	0518	DHO60 AF Hohn	D	USB	clg DHM91, rdock	ti25
5714	0830	ARCHITECT RAF Upavon	G	USB	colorstate-wx	abNL+ti25
6575	2347	Unid	USB	Russian	volmet station ???	abNL
6577	2342	New York Aeradio	USA	USB	wkg various aircraft	abNL
6604	2340	New York Volmet	USA	USB		abNL
6604	2350	Gander Volmet	CAN	USB		abNL
6617	1954	Kiev Volmet	UKR	USB	ending,id,TX off!	ti25
6617	2128	Rostov Volmet	RUS	USB	wx for Tyumen	ti47
6622	0241	Gander Aero	CAN	USB	wkg 3014,posrep selcall	ti25
6622	0242	Shanwick Aero	IRL	USB	wkg AMERICAN100, s-c	ti25
6658	1133	San Francisco Aero	USA	usb	clg Unid flight Pos-repewAU	
6676	1904	Sydney Volmet	AUS	USB	wx-data,extremely weak	ti17
6676	1940	Bangkok Volmet	THA	USB,E,ID,	Volmet	pt53
8864	0136	Niamey Aero	NGR	USB	wkg unid,posrep	ti25
8864	1921	Gander Aero	CAN	USB,E,wkg	North-West 55	pt53
8879	1856	Shanwick Aero	G	USB,E,wkg	Lufthansa 420	pt53
8879	2120	Bombay Aero	IND	USB,E,wkg	UNID a/c	pt53
8888	0133	Sykytyvkar Volmet	RUS	USB	wx,bad modulation	ti25
8888	1747	Samara Volmet	RUS	USB	wx for Samara	ti25
8888	2108	Jekaterinburg volmet	RUS	USB	wx for Uralsk?,vy weak	ti25
8888	2140	Novosibirsk volmet	RUS	USB	wx-data,very weak	ti25
8891	0256	Montreal Aero	CAN	USB	wkg unid,posrep,	ti25
8891	1853	Iceland Aero	ICL	USB,E,wkg	United 12	pt53
8903	0139	N'djamena Aero	TCD	USB	wkg AIRFRANCE,posrep	ti25
8903	2128	Kinshasa Aero	ZAI	USB	wkg unid,posrep	ti25
8903	2329	Niamey Aero	NGR	USB	wkg 351,posrep	ti25
8903	0006	N'djamena Aero	TCD	USB,E,wkg	Lufthansa 573	pt53
8918	0141	Panama Aero	PNR	USB	wkg 601,posrep	ti25
8921	1628	Air Lanka Colombo	CLN	USB	wkg 655,sitrep	ti25
8930	2031	SDJ Stockholm Radio	S	USB	wkg GEMINI 7036	ti25
8930	0816	SDJ Stockholm Radio	S	USB,E,wkg	Martin Air MCF	pt53
8933	0933	LDOC Springbok Airways	AFS	usb	Comms to Springbok flgtewAU	
8939	0259	Rostov Volmet	RUS	USB	id, ending, off!	ti25
8939	0753	Kiev Volmet	UKR	USB	wx for Odessa	ti25
10033	2258	SIVLAIR Miami	USA	wkg	plane ...859	nr76
10051	0819	Gander Aeradio	CAN	USB,E,	Volmet	pt53
10051	0820	New York Volmet	USA	USB,E,	Volmet	pt53
10069	1506	Hapag-Lloyd	D	USB,	wkg a/c	pt53
10072	0809	Speedbird BA London	G	USB,E,wkg	Speedbird a/c	pt53
10075	0202	Universal R. Houston	USA	USB	wkg DELTA 16,selcall	ti25
10090	1514	Khabarovsk Volmet	RUS	USB	wx for Bucharest	ti25
10090	0010	Tashkent Meteo	UZB	wx	in E	nr76
11175	1959	USAF Ascension	ASC	wkg	plane ...11	nr76
11175	1552	USAF McClellan, CA	USA	USB	wkg EAM: MZLIIA	ti25
11175	1711	AJE USAF Croughton	G	USB	wkg EAM: W6Y6XZ	ti25
11175	2138	XPH5 USAF Thule	GRL	USB	wkg EAM: MSZOHM	ti25
11178	2213	VE (French accent) wkg Dutch Ny	vessel	w/	code 'Orange Guard'	abNL
11205	1030	ARCHITECT RAF Upavon	G	USB	colorstate-wx	ti47
11205	0930	Architect RAF	G	USB,E,	wx	pt53
11217	1634	ARCHITECT RAF Upavon	G	USB	TAF-wx for LIPY..	ti25
11217	1706	DHM91 AF Muenster	D	USB	wkg unid,selcall	ti25
11235	1646	DHJ78 Ny Nordholz	D	USB	wkg NAVY06, posrep	ti25
11244	1602	AJO USAF Incirlik	TUR	USB	wkg EAM: MZLIIA	ti25



## EUNL1999

11244	1612	AJE	USAF Croughton	G	USB wkg EAM: W6OMBY	ti25
11247	1716	CYPRUS	RAF Akrotiri	CYP	USB wx for Akrotiri	ti25
11253	0857	MVU	RAF Upavon Volmet	G	USB wx for Waddington	ti47
11253	0937	MVU	RAF Volmet	G	USB,E,Volmet,ID	pt53
11279	0830		Reykjavik Aero	ISL	USB wkg KAY91,posrep	ti25
11279	1808		St. Petersburg Volmet	RUS	USB wx for Arkhangelsk	ti25
11285	1907		Kuala Lumpur Aero	MLA	USB,E,wkg Speedbird 12	pt53
11285	1850		Singapore Aero	SNG	USB,E,wkg Malaysian 10	pt53
11297	0828		Rostov Volmet	RUS	USB wx-info,weak signal	ti25
11297	1038		St. Petersburg Volmet	RUS	USB wx for Murmansk	ti25
11297	1854		Kiev Volmet	UKR	USB ending, TX off!	ti25
11298	1250		Kiev Meteo	UKR	USB Volmet	abNL
11300	2308		Cairo Aero	EGY	USB,E,wkg Air France 340	pt53
11300	2328		Asmara Aero	ERI	USB,E,wkg Addis Abeba	pt53
11300	2328		Addis Abeba Aero	ETH	USB,E,wkg Asmara Aero	pt53
11300	2309		Nairobi Aero	KEN	USB,E,wkg Khartoum Aero	pt53
11300	2327		Tripoli Aero	LBY	USB,E,wkg KLM 566	pt53
11300	2311		Khartoum Aero	SDN	USB,E,wkg KLM 569	pt53
11300	2248		Mogadishu Aero	SOM	USB,E,wkg UNID a/c	pt53
11300	2249		Sana'a Aero	YEM	USB,E,wkg Keniya 314	pt53
11345	1203	SDJ	Stockholm R.	S	USB wkg Lufthansa D-ACLU	abNL
11362	2047		tent. Aeroflot	RUS	USB,Ru,tfc	pt53
11363	0934		Monarch Ops	G	USB,E,wkg a/c,ID as Monarch	pt53
11363	0815		UNID	?	USB,E,OPS wkg EC 309	pt53
11387	2103		Sydney Volmet	AUS	USB,E,Volmet	pt53
12201	0818	SDJ	Stockholm Radio	S	USB,E,wkg Marttin Air MCF	pt53
13264	2050		Shannon Volmet	IRL	usb-forecast in EE	abNL+dmRU
13270	1255		Gander Volmet	CAN	USB	abNL
13282	1615		Hongkong Volmet	CHN	USB,E,Volmet	pt53
13282	0600		Honolulu Volmet	HWI	USB,E,Volmet	pt53
13304	0904		El Al	ISR	USB,hebr.,wkg UNID	pt53
13306	1256		Santa Maria Aero	AZR	USB wkg/unid a/c S/cal	DKARabNL
13330	1523		Cedar Base MEA	LBN	USB,E,wkg Cedar Jet 210	pt53
13333	1614		Speedbird BA London	G	USB,E,wkg Speedbird 2541	pt53
13342	0810	SDJ	Stockholm Radio	S	USB,E,wkg a/c,QSY 17916	pt53
13351	0750		Oostende Radio	BEL	USB,E/Dutch,wkg BKR 1	pt53
13351	0706		UNID	?	USB,E,ID as TCP,r/ch w/ a/c	pt53
13354	1620		New York Aero	USA	USB,E,wkg Air France 265	pt53
17916	0811	SDJ	Stockholm Radio	S	USB,E,wkg a/c	pt53
18467	0751		Oostende Radio	BEL	USB, E/Dutch, wkg BKR 1	pt53
19698	1056	OST69	Oostende Radio	BEL	cw,ost + SITOR	pt53
23210	0757	SDJ	Stockholm Radio	S	USB,E,wkg a/c	pt53

## A E R O (aircraft)

No input!? what's the matter freaks?

## D I G I T A L

122,3	2028		unid, NATO broadcast?	?	RTTY 75 online encrypted	ti25
129,1	2037	DCF49	EFR Berlin	D	ASCII 200 9-bit databursts	ti25
518	2330	SDJ	Stockholm Radio	S	Sitor-B idle, nav-wngs	ti25
518	2348	PBK	Coastguard Ijmuiden	HOL	Sitor-B idle, nav-wngs	ti25
524	1456		unid, NATO?	?	PSK-300 online encrypted	ti17
2327,4	0950		Unid	?	Unksys 50/85 encr	ewAU
2331	1922		unid, NATO?	?	RTTY 75 online encrypted	ti17
2474	2125	PBC	Ny Goeree	HOL	RTTY 75 CARB	abNL
2488	2126		Ny in ?	G	RTTY 75 encr. VMGTCNJBH	abNL
2790	2029	FUE	Ny Brest	F	RTTY 75 test tape	abNL
2829,5	2104	SPB28	Szczecin R	POL	SITOR-B-100 tfc list	zeTC
2845	2107	PBB	Ny Den Helder	HOL	RTTY-75/850 CARB msg, id	zeTC
3257,5	2046		Unid	?	RTTY 100 on-line encrypted	abNL
3315,5	2046		unid, NATO?	?	RTTY 75 online encrypted	ti17
3331	2047		MFA? Tunis	TUN	RTTY-50/125 singn MoustaphazeTC	
3757	1943	RFF-	UNID FF	F	ARQE/72/400 idle	pcG
3764,4	2036	PBB	Ny Den Helder	HOL	RTTY 75 CARB	abNL
3889,5	1830		UNID?	?	RS-ARQ/228/170 tfc + ryry	pcG
4002	1905	YRR4	Meteo Bucuresti	ROU	RTTY 50 AAXX-reports	ti25

## EUNL1999

4022	1820	FDI8	AF Nice	F	ITA2/50/850 ry+le brick testpcG
4085	1022		Unid	?	Unksys 75/85 VFT 8 Ch encr.ewAU
4154	1039		Unid	?	Unksys 75/85 VFT 8 Ch encr.ewAU
4215	1715	TS4X	Czech AF Padubrice	CZE	RTTY 50 RY tape abNL
4215,5	0730	OXZ	Lyngby Radio	DNK	Sitor-B tfc-list ti25
4235	1023		Unid	?	Fax 120/576 Vy weak signal ewAU
4252	1052		Unid	?	Unksys 75/850 encr ewAU
4264	1130		Unid	?	Unksys 75/170 encr ewAU
4280	1222	PBC	Ny Goeree	HOL	rtty 850/75 mrk id pt53
4295	2301	FUE	Ny Brest	F	RTTY 75 TESTING-RY-SG ti25
4322	2303	GYA	Ny Northwood DCN	G	RTTY 75 CARB ti25
4525	2135	RFF-	UNID FF	F	ARQE/72/400 UFB.. de rffhcfbpcG
4532	1930		UNID	?	RS-ARQ/228/170 ryry and off pcG
4542,6	1745	FDG	AF Bordeaux	F	ITA2/50/850 ry+le brick testpcG
4583	2112	DDK2	Hamburg Meteo	D	RTTY 50 RY tape abNL
4601,5	2020	FDG	AF Bordeaux	F	RTTY-50/850 ry test de FDG zeTC
4628	1840	RFF-	UNID FF	F	ARQE/72/400 pcG
4937	1911		unid	?	FEC-A3 192 3 channel encr. ti25
4943	2108		unid	?	FEC-A3 192 3 channel encr. ti25
5018	1835	RFF-	UNID FF	F	ARQE/72/400 pcG
5078	1550	FDG	Bordeaux FAF	F	ITA2/50/400 ry/le brick/testpcG
5164	2137	FDY	AF Orleans	F	RTTY50 test tape abNL
5184	1737	FDY	AF Orleans	F	RTTY 50 Test tape abNL
5224	1936	RFF-	UNID FF	F	ARQE/72/400 idle pcG
5250	1946	BMF	Taipei Meteo	TWN	WEFAX-120/576 anal Eq.Belt zeTC
5365	0153		Unid	?	Unksys 200/425 encr ewAU
5397,7	1020	RFFP	Paris FF	F	ARQE3/200/400/2chto sarajevopcg
5400	1640	YOG37	Bucharest Meteo	ROU	RTTY 50 Coded wx abNL
5405	2006	JMJ2	Tokyo Meteo	J	WEFAX-120/576upper air analzeTC
5429	1004	RFF-	UNID FF	F	ARQE/72/400 rffhcfb de mars.pcG
5432	1815	RFF-	UNID FF	F	ARQE/72/400 idle pcG
5730,5	0845	FDI22	AF Narbonne	F	ITA2/50/400 ry+le brick testpcG
5736	1205	OST	Oostend Radio	BEL	Sitor-B tfc-list ti25
5746	0850	RFF-	UNID FF	F	ARQE/72/400 idle pcG
5781	1929		unid	?	ARQ-E 86 idle ti25
5783	1925		UNID	?	RTTY-50/500 5 lgs msg zeTC
5860,4	0845	FDI22	AF Narbonne	F	ITA2/50/400 ry+le brick testpcG
5871	0813		unid, Meteo?	?	RTTY 50 5ng,QRN+bcst-QRM ti25
5890	2012	RBV78	Tashkent Meteo	UZB	WEFAX-60/576 surfacxe anal zeTC
5893	1600	RFF-	UNID FF	F	ARQE/72/400 msg de rffedfd pcG
6318,5	1933	OXZ	Lyngby Radio	DNK	Sitor-B tfc-list ti25
6330	2046	LZW	Varna Radio	BUL	Sitor-B tfc-list ti25
6348	2043	FUE	Ny Brest	F	RTTY 100 Test tape ti25+abNL
6358,5	1216	PBC	Ny Goeree	HOL	rtty 850/75 mrk id ti25+pt53
6362,1	0835	MGJ	Ny Faslane	G	RTTY 75 CARB abNL+ti25
6362,1	2314	GYA	Ny Northwood DCN	G	RTTY 75 CARB ti25
6839	1320	RFF-	UNID FF	F	ARQE/72/400 UAF ex msgs+idlepcG
6887	DAILYRFF-		FF Marseille	F	ARQE/184.6/400usual Mon testpcG
6929	1500	RFF	FF Marseille	F	ARQE/184.6/400 speed change!pcG
6976	1510	RFF	FF Ajaccio	F	ARQE/184.6/400 speed change!pcG
6994	1906	MFJ04	UNID Ny Cadets	G	SITOR-B-100 msg to MFJ99 zeTC
7317,5	1345	RFF-	UNID FF	F	ARQE/72/400 UFA ex msgs+idlepcG
7406	1549	ATP57	N.Delhi Meteo	IND	RTTY-50/170 AAXX SYNOP zeTC
7505,5	1717	FDY	AF Orleans	F	RTTY 50 VOYEZ LE RICK,,, ti25
7585,7	2245		unid	?	ARQ-E3 192 idle ti25
7591,5	0815	FDY	AF Orleans	F	RTTY 50 VOYEZ LE BRICK.pcG+ti25
7602	1747	FDI22	AF Narbonne	F	RTTY 50 VOYEZ LE BRICK,,, ti25
7614	1030	RFFH	FF Marseille	F	ARQE/184.6/400 Mon only testpcG
7644,2	2028	RFFVAY	FF Sarajevo	BIH	ARQ-E3 100 idle ti25
7646	0846	DDH7	Meteo Quickborn	D	RTTY 50 id, RYRYRYRY ti25
7646	1030	DDH7	Hamburg Meteo	D	RTTY 50 coded wx abNL
7659	1455		unid SUI diplo	?	Sitor-A msg 5lg ti25
7663	1718		unid SUI diplo	?	Sitor-A msg 5lg ti25
7678	0810	HBD20	MFA Berne	SUI	ARQ msgs to var embassies abNL
7716	1040	RFF	FF Ajaccio	F	ARQE/184.6/400 EHQ to Marse.pcG
7755,2	2017	RFQP	FF Djibouti	DJI	ARQ-M2 200 idle ti25
7776,5	1610	OST	Oostend Radio	BEL	Sitor-B tfc-list, svc-info ti25
7975	1843	SPW	Warszawa Radio	POL	Sitor-B polish press summaryi25

## EUNL1999

8012,6	1815	UNID	? SITOR/A crew lists?+ s/call pcG
8014	1930	UNID FF	? ARQE/72/400idle throughnightpcG
8015	1100	RFF-	F ARQE/72/400 UFA ex msgs pcG
8151	0705	IGJ44	I rtty 850/100 mrk ti25+pt53
8192	1747	9MR	MLA RTTY 50 id, RY-SG ti25
8194	2009	FDI22	F RTTY 50 VOYEZ LE BRICK,,, ti25
8298	2020	VTP	IND RTTY-50/850 ry RBSL VTP zeTC
8330,3	2017	RFVI	REU ARQ-E3 100 idle ti25
8394	1905	TCJK	IW SITOR/A msg to Istanbul pcG
8423	2137	SVA	GRC Sitor-B wx for med, waters ti25
8424	1328		? Sitor-B idle,no id,TX off! ti25
8427,5	2052	SPA	POL Sitor-B tfc-list ti25
8429,5	1353	IDR	I RTTY 75 CARB ti25
8429,5	2104	VWB	IND Sitor-B nav-wngs in EE ti25
8430	2130	UJE	RUS Sitor-B idle, svc-info ti25
8431,5	2002	UAT	RUS Sitor-B CQ, tfc-list ti25
8432	1111	YLQ	LVA Sitor-B tfc-list, wx, pressti25
8432	1920	USU	UKR Sitor-A wkg vessel UDEC ti25
8434	2021	TAH	TUR Sitor-B tfc-list ti25
8434,5	2037	SAB	S Sitor-B svc-info,tfc-list ti25
8435	1019	XSQ	CHN ARQ 100/170 msgs to ship ewAU
8439	1218	PBC	HOL rtty 850/75 mrk id ti25+pt53
8453	0849	RFFME	F RTTY 75 test tape to FAAA abNL
8453	2024	RFFME	F RTTY 75 RY-SG-TESTING ti25
8454	1003	UIW	KAL RTTY 50 QTC BLIND ti25
8465	0850		? RTTY 100 on-line encrypted abNL
8478,5	0541	FUF	MRT RTTY 75 RY-SG-TESTING ti25
8500	2109	RBSL	IND RTTY 50 id, RY pcG+ti25
8538	2025	6WW	SEN RTTY 75 VOYEZ LE BRICK,,, ti25
8549	1439	UCE	RUS FEC 100 Msgs to vesselti25+abNL
8551,5	1732	CTP	POR RTTY 75 NAW5 QXS.... ti25
8557	2057	SPE	POL Sitor-B timesced,tfc-list ti25
8568	1734	FUV	DJI RTTY 75 RY-SG-TESTING ti25
8594,8	1737		? RTTY 75 cont, online encr. ti25
8642,1	1147	MGJ	G RTTY 75 CARB abNL+ti25
8646	1423	FUJ	NCL RTTY-75/850 de FUJ ry sg zeTC
9030	1044		? Unksys 75/850 encr ewAU
9041	2201	5YE	KEN RTTY 100 id, RY ti25
9056	1154		? RTTY 75 encr,-key MMMMMMMMMM ti25
9071	1044		? Unksys 75/850 encr ewAU
9079,7	1928	RFQP	DJI ARQ-E3 100 idle ti25
9081	2214		? FEC-A3 192 3 channel encr. ti25
9123,2	1930		? ARQ-E 72 idle ti25
9130	2114	MGJ	G RTTY 75 CARB ti25
9153	1726	SNN299	POL POL-ARQ polish press-reviewti25
9174,5	1201	HBD20	SUI Sitor-A msg to warszawa,5lgti25
9179	1338	HBD20	SUI Sitor-A msg 5lg ti25
9182	2115		? RTTY 75 encrypted air-groundti25
9282	1149		? Unksys 100/850 encr ewAU
9290	1159		? Unksys 75/170 encr ewAU
9363,5	1411	RFFX	F ARQ-E 184 msg NON PROTEGE ti25
9465,8	1157		? Unksys 300/325 encr ewAU
9941,2	1933		? ARQ-E3 100 msg NON PROTEGE ti25
9965	1732	FDI22	F RTTY 50 VOYEZ LE BRICK... ti25
10002	1214	PBC	HOL rtty 850/75 mrk id pt53
10100,8	1141	DDK9	D RTTY 50 wx Baltic abNL+ti25
10107,7	1941		? ARQ-E 184 idle ti25
10116,9	1956	BAF4	CHN FAX-120/576 E,CH cyclone w zeTC
10161	1645		? FEC-A3 192 3channel encr. ti25
10162,5	1221		? Fax 120/576 weak+unidentif.ewAU
10162,5	2052	YIL71	IRQ RTTY 75 arab nx, ATU-80 ti25
10163	0915	M42	RUS RTTY 75 cw-callup+to UZD 27abNL
10166,5	1520	FDY	F RTTY 50 VOYEZ LE BRICK... ti25
10177,7	0752	RFFA	F ARQ-E3 192/425 idling ewAU
10186,7	1215		? Unksys 100/170 encr ewAU
10253,5	1217		G Picollo idle only ewAU
10281,3	2207	RFLIG	GUF ARQ-E3 192 idle ti25
10299	1819	HSW62	THA RTTY50 AAXX ti25

## EUNL1999

10314	1144	SNN299	MFA Warszawa	POL	POL-ARQ wkg CLARIS 286	ti25
10332	0811		unid SER diplo	?	RTTY 75 encr,-key XYXYXYXY.	ti25
10366,3	2211	RFTJD	FF Libreville	GAB	ARQ-E 84 idle	ti25
10442	1540	M42	FAPSI	RUS	RTTY 75 cw-callup	abNL
10473,5	0846	FDY	AF Orleans	F	RTTY test tape	ti25+abNL
10491	1750		unid, NATO?	?	RTTY 75 encrypted tfc,	ti25
10493,7	1816	RFTJF	FF Port Bouet	CTI	ARQ-E3 48 idle	ti25
10498	1619	RFFCC	FF Lile	F	ARQ-E-72 id msg to RFFH	zeTC
10536	1657	CFH	Ny Halifax	CAN	RTTY 75 TAFS	ti25+abNL
10626	2215	RFFXL	FF Naquara	LBN	ARQ-E 184 idle	ti25
10631	1610	M42	FAPSI	RUS	RTTY 50 in progress	abNL
10687,7	2102		unid	?	ARQ-E 184 idle	ti25
10700	1742		unid	?	FEC-A3 192 3 channel encr.	ti25
10767	1500	M42	FAPSI	RUS	RTTY 75 msgs to BFR 00030	abNL
10767	1545	M42	FAPSI	RUS	RTTY 75 msgs to NOB 70004	abNL
10873,7	2006	RFVI	FF Le Port	REU	ARQ-E3 100 idle	ti25
10917,7	1839	RFTJ	FF Dakar	SEN	ARQ-E3 48 idle	ti25
10945	2206	CFH	Ny Halifax	CAN	RTTY 75 ZKR-tape	ti25
10952	0827	HBD20	MFA Bern	SUI	Sitor-A msg 5lg to unid	ti25
10960,7	2034		unid	?	ARQ-M2 200 idle	ti25
10963	0822		unid SUI diplo	?	Sitor-A msg 5lg	ti25
10969	0840	HBD20	MFA Berne	SUI	ARQ 100 encrypted msgs	abNL
10969	1250		unid SUI diplo	?	Sitor-A msg 5lg	ti25
10973	1251	HBD20	MFA Bern	SUI	Sitor-A msg 5lg	abNL+ti25
11039	1022	DDH9	Hamburg Meteo	D	RTTY 50 coded wx	ti25+abNL
11053	1611	H6L	F Emb Alger	ALG	FEC-A 192 msg 5lg to Paris	ti25
11075	2050		unid	?	FEC-A3 192 3 channel encry.	ti25
11080	1547	YKP28	SANA Damascus	SYR	RTTY 50 Arab news	ti25+abNL
11091,7	1636	RFVI	FF Le Port	REU	ARQ-E3-192 idling only	zeTC
11423,5	1755	SPW	Warszawa Radio	POL	Sitor-B service info, idle	ti25
11453	2130	IMB33	Meteo Roma	I	RTTY 50 AAXX	ti25
11460	1620	M42	FAPSI	RUS	RTTY75 cw callup + RTTY	abNL
11460	1620	M42	FAPSI	RUS	RTTY 75 cw-callup+to UGO	abNL
11546,5	0839	FDY	AF Orleans	F	RTTY 50 VOYEZ LE BRICK...	ti25
11572,7	0841		unid	?	ARQ-E3 200 idle	ti25
11608	1912		unid, NATO?	?	RTTY 75 online encrypted	ti25
12127	1915		unid	?	RTTY 75 offline encrypted!	ti25
12140	1616	HWN	Ny Paris	F	RTTY 150 TESTING-RY-SG	ti25
12141	0845	RFFTD	unid FF	F	ARQ-E 184 5lg to RFFX!	ti25
12176	1315	M42	FAPSI	RUS	RTTY 75 to NXQ link 00052	abNL
12180	1317	M42	FAPSI	RUS	RTTY75 RAU QSO tape No msg	abNL
12227,5	1119	NMN?	USCG Norfolk	USA	Baudot 50/850 Unclas msg	ewAU
12297,8	1926		unid, NATO?	?	RTTY 75 online encrypted	ti25
12414,5	1930		unid, NATO?	?	RTTY 75 online encrypted	ti25
12478	1220	UFHG	unid vessel	IW	Sitor-A wkg Arkhangelsk	ti25
12481	2303		unid	?	Sitor-A wkg msg 5lg	ti25
12495	2217		MV Pabeda Nur	IW	Sitor-A wkg Novorossiisk	ti25
12500	0909	IBGL	MV Luciana Della Gatta	IW	Sitor-A wkg Roma R. AMVER	ti25
12510	2208		MV Garano	IW	Sitor-A wkg Slidell, AMVER	ti25
12532	2137	TCTV	unid TUR vessel	IW	Sitor-A wkg Istanbul, logreq	ti25
12568	1229		unid vessel	IW	RTTY 50 scv-tfc: QSL??	ti25
12579,5	1516	YLQ	Riga Radio	LVA	Sitor-B press	ti25
12580	0834	GKE5	Portishead Radio	G	Sitor-B wkg wx, tx off!	ti25
12580,5	1522	YLQ	Riga Radio	LVA	Sitor-B press	ti25
12583,5	0755	UUI	Odessa Radio	UKR	Sitor-B tfc-list	ti25
12587	1858		unid	?	Sitor-B msg 5ng, to collect	ti25
12587	2048	LZW	Varna Radio	BUL	Sitor-B tfc-list	ti25
12590,5	0801	UJE	Nizhnij-Novgorod Radio	RUS	Sitor-B tfc-list	ti25
12597,5	1354	UFN	Novorossiisk Radio	RUS	Sitor-A wkg unid,GA+?	ti25
12599	2003	UAT	Moskva Radio	RUS	Sitor-B tfc-list	ti25
12603,5	1310	SVA	Athinai Radio	GRC	Sitor-B press	ti25
12604,5	0749	9AR	Rijeka Radio	HRV	Sitor-B general info	ti25
12608	0603	UAT	Moskva Radio	RUS	Sitor-B tfc-list	ti25
12610	0108	VCT	Tors Cove Radio	CAN	Sitor-B idle,id,ending	ti25
12616	1538	LZW	Varna Radio	BUL	Sitor-B press	ti25
12624	2039	SAB	Gothenborg Radio	S	Sitor-B tfc-list	ti25
12625,5	1006	UCE	Arkhangelsk Radio	RUS	Sitor-B tfc-list	ti25
12629	1632	KHF	Agana R.	GUM	SITOR/B tfc list khf sitor	pcG

## EUNL1999

12634,5	1726	TAH	Istanbul Radio	TUR	Sitor-B svc-tfc, opchat	ti25
12635	1548		unid	?	Sitor-B idle,no id,TX off!	ti25
12635,5	1936	LZW	Varna Radio	BUL	Sitor-B press	ti25
12654	1920	TAH	Istanbul Radio	TUR	Sitor-A wkg SPRH, receiving	ti25
12662	1608	RFFME	Ny Paris	F	RTTY 150 clg FAAA,TESTING	ti25
12673,4	0540		Unid	?	Unksys 300/325 encr	ewAU
12691	1939	FUX	FNy Le Port	REU	RTTY 75 id, RY-SG-TESTING	ti25
12701	1122		UNID	?	rtty 850/50 encrypted msgs	pt53
12750	1927	NMF	USCG Boston	USA	FAX-120/576 req. for commt.	zeTC
12799,5	0741	UKA	Vladivostok R.	RUS	ARQ 100/170 message to shipew	AU
12809	0916		Ny UKSUBCAMS	G	RTTY 50wx to all submarines	abNL
12815	1009	LYL	Klaipeda R.	LVA	RTTY 50 cw + RTTY msgs	abNL
12818	0956	SAB	Goteborg R.	S	ARQ clg MROZ	abNL
12823,5	1708	CTP	NATO Oeiras	POR	RTTY 75 clg NAWS pt53+ti25	abNL
12824,9	1946	GYU	Ny Gibraltar	GIB	RTTY 75 CARB	ti25
12832	1702		UNID	?	POL-ARQ 50 bd encr. msgs	pt53
12840,5	1753	PBC	Ny Noordwijk	HOL	RTTY 75 CARB	ti25
12857	1952	6WW	FNy Dakar	SEN	RTTY 75 RY-SG-TESTING zeTC	+ti25
12877,5	1005	UIW	Kaliningrad R.	KAL	RTTY 50 Nav wngs	abNL
12903	1845	RBSL	Ny Mumbai	IND	RTTY-50/600 ryry wx	zeTC
12921	1757	GYA	Ny Northwood DCN	G	RTTY 75 CARB	ti25
12921	1954	MGJ	Ny Faslane	G	RTTY 75 CARB	ti25
12957	1835		UNID	?	RTTY-75/850 foxes only	pt53+zeTC
13022	1956	SPE	Szczecin Radio	POL	Sitor-B svc-info, tfc-list	ti25
13022	1515	SPB	Szczecin R.	POL	SITOR/A cw/tlx mkr-bad tone?	pcG
13031	0721	FUF	FNy Fort de France	MRT	RTTY 75 RY-SG-TESTING	ti25
13032	1804		UNID	?	POL-ARQ 50 bd encr. msgs	pt53
13042,5	1810	RFQPME	FF Djibouti	DJI	rtty75 de rfpqme pcG+zeTC	+pt53
13050	1958	UDK	Murmansk Radio	RUS	RTTY 50 wkg unid,telex	abNL+ti25
13235	1152		Unid	?	Unksys 75/850 encr	ewAU
13366	1730	M42	FAPSI	RUS	RTTY 100 msgs to XQW 00110	abNL
13405	0852		unid SER diplo	?	RTTY 75 encr,-key XYXYXY..	ti25
13418	1340		Unid	?	ARQ-E 72bd Idling for hours	abNL
13420	0856		unid, RUS diplo?	?	RTTY 75 msg 5lg	ti25
13423	0856		unid, RUS diplo?	?	RTTY 75 msg 5lg	ti25
13444,2	1629	RFQP	FF Djibouti	DJI	ARQ-E3 100 idle	ti25
13446	1156	SNN299	MFA Warszawa	POL	POL-ARQ idle	ti25
13472,7	1808		unid	?	ARQ-E 184 idle	ti25
13479,7	1320	RFFA	FF Paris	F	ARQ-M2 200 idle	ti25
13510	1140	CFH	CF Halifax	CAN	rtty 750/75 wx	pt53
13550,7	1516	ZKLF	Auckland Meteo	NZL	WEFAX 120/576 surface anal	zeTC
13572,5	0850		tent. FF Versailles	F	ARQ-E 184,7 bd idling no ID	pt53
13572,5	1327	RFFX	FF Versailles	F	ARQ-E 184	ewAU+ti25
13593,7	1631	RFFA	FF Paris	F	ARQ-E3 192 idle	ti25
13612,5	1147		UNID	?	rtty 850/75 foxes	pt53
13665,2	2013	6VU73	Meteo Dakar	SEN	RTTY 50 AAXX	ti25
13676	1341		unid	?	RTTY 75 online encrypted	ti25
13846,7	1633	RFVI	FF Le Port	REU	ARQ-E3 100 idle	ti25
13882,5	0915	DDK6	Norrdeich R.	D	Fax 120/576 weather Map	ewAU
13898,5	0859		unid SER diplo	?	RTTY 75 encr.-key UAUUAUAU	ti25
13900	1530	BMF	Taipei Meteo	TWN	FAX-120/576 CH wx fcst txt	zeTC
13917,1	1535		POL Emb Tripoli	LBY	POL-ARQ 100 msgs ID	ti25+pt53
13933	0900	DOR	MFA Sofia	BUL	RTTY 210 BUL diplo-news	ti25
13947	1205	ROM5	Tashkent Meteo	UZB	Fax 90/576 weather Map	ewAU
13948	2312		Unid	?	Unksys 75/170 encr	ewAU
13951	1200		unid SUI diplo	?	Sitor-A msg 5lg to bern	ti25
13953	0902	P6Z	MFA Paris	F	FEC-A 192 msg 5lg	ti25
13954	1807		unid	?	ARQ-E 184 idle	ti25
13956,5	1511	SJG	MFA Tunis	TUN	Sitor-B clg LJ5,RY,msg 5lg	ti25
13957	1557		POL Emb Rabat	MRC	POL-ARQ-100 msg to SNN299	zeTC
13976	1457	HBD20	MFA Bern	SUI	Sitor-A msg 5lg	ti25
14160	1349		unid	?	RTTY 75 online encrypted	ti25
14340	0934	BAA7	Beijing Meteo	CHN	Baudot 50/850 weather	ewAU
14376	1055		Unid	?	Unksys 100/170 encr	ewAU
14377,9	1410	FDI8	AF Nice	F	ITA2/50/400 le brick/ry test	pcG
14411	1203		UNID	?	POL-ARQ 50 bd encr. msgs	pt53
14428	1119		Unid	?	Unksys 75/200 encr	ti25+ewAU
14442	1018		Unid	?	Unksys 75/850 encr	ewAU

## EUNL1999

14467,3	1208	DDH8	Hamburg Meteo	D rtty 50 wx	ti25+pt53
14487	1300	M42	FAPSI	RUS RTTY75 RAU QSO link 00070	abNL
14575	0955	P6Z	MFA Paris	F FEC-A 192 msg to P8C	ti25
14578	1504	RFFXL	FF Naqura	LBN ARQ-E 184 idle	ti25
14639	1517	SPP316	POL Emb Baghdad	IRQ POL-ARQ idle	ti25
14654,5	1254	SPW	Warszawa Radio	POL Sitor-B idle, tfc-list	ti25
14654,8	1035		Unid	? Unksys 300/325 encr	ewAU
14731,7	1040	RFVI	FF Le Port	REU E3 192/425 controle de voie	ewAU
14797,7	1646		unid	? ARQ-E 184 idle	ti25
14807	0900	M42	FAPSI	RUS RTTY 75 to WQL link 80061	abNL
14837,2	1610	ATV65	New Delhi Meteo	IND rtty 50 synopt wx	pt53
14844,7	1047	RFVITT	FF Dzaoudzi	MYT E3 192/4255lt grps RFVI	ewAU
14850	1213		Unid	? Fax 120/576 vy weak fax stnew	ewAU
14926,7	2101	RFTJ	FF Dakar	SEN ARQ-E3 192 idle	ti25
14932	1418		POL Emb Tel Aviv	ISR POL-ARQ idle	ti25
14980	1410	M42	FAPSI Moscow	RUS RTTY75 AU 464646 tape	abNL
14980	1310	M42	FAPSI Moscow	RUS RTTY 75 RAU 4646464646 tape	abNL
14986	1420		unid	? RTTY 75 online encrypted	ti25
15669	0913	PNAU	unid	? RTTY 75 id: PNAU RYRYRYRYRY	ti25
15746	1623	SNN299	MFA Warszawa	POL POL-ARQ msg CLARIS NR.: 564	ti25
15801,7	1652		MFA Cairo	EGY Sitor-A plain arab text	ti25
15873	0914	P6Z	MFA Paris	F FEC-A 192 5lg	ti25
15898	0917	P6Z	MFA Paris	F FEC-A 192 idle	ti25
15961,7	2108	RFLI	FF Fort de France	MRT ARQ-E3 192 idle	ti25
16087,7	2112	RFVI	FNY Le Port	REU ARQ-E3 100 idle	ti25
16111	1515	HBD20	MFA Bern	SUI Sitor-A msg 5lg	ti25
16118	1516	HBD46	SUI Emb Habana	CUB Sitor-A msg 5lg	ti25
16156,7	1517		unid EGY diplo	? Sitor-A plain arab text	ti25
16165,2	1625	RFFA	FF Paris	F ARQ-M2 200 idle	ti25
16193,2	1838	RFQP	FF Djibouti	DJI ARQ-M2 200 idle	ti25
16223	0930	M42	FAPSI	RUS RTTY75 to UXW on link 40034	abNL
16223	0930	M42	FAPSI	RUS RTTY 75 cw-callup+to UXW	abNL
16280,2	1840	RFFA	FF Paris	F ARQ-M2 200 idle	ti25
16291,2	1628		unid	? ARQ-E 184 idle	ti25
16310,2	1842	RFFA	FF Paris	F ARQ-E3 200 idle	ti25
16627,7	1632	RFTPA	FF Ndjamena	TCD ARQ-E3 200 idle	ti25
16697	2212		MV Artes	IW Sitor-A wkg Palo Alto, BRK	ti25
16707,5	1818		MV Centaurus	IW Sitor-A wkg Athinai, test-mst	ti25
16777	1611		unid vessel	IW Sitor-B Philipine-press-info	ti25
16802	1658	UBXS	unid vessel	IW RTTY 50 clg UDK2, RY	ti25
16803	1656		unid	? Sitor-B EE-press	ti25
16806,5	1709	NMF	USCG Boston, MA	USA Sitor-B nav-wngs HYDROLANT	ti25
16806,5	1922	NMC	USCG Point Reyes, CA	USA Sitor-B wx for Pacific areati	ti25
16808	1851	SPA	Gdynia Radio	POL Sitor-B tfc-list	ti25
16813	1203	UAT	Moskva Radio	RUS Sitor-B tfc-list	ti25
16814,5	1031	HEC	Bern Radio	SUI Sitor-B svc-info, tfc-list	ti25
16816	1737	ZSC	Capetown Radio	AFS Sitor-B wx	ti25
16817	2244	WCC	Chatham Radio	USA Sitor-B tfc-list	ti25
16829	1728	USU	Mariupol Radio	UKR Sitor-A wkg USCY, receiving	ti25
16830	0605	SVT	Athinai Radio	GRC Sitor-B press	ti25
16838,5	1547	9AR	Rijeka Radio	HRV Sitor-B gen.info, tfc-list	ti25
16839,5	1347	UFN	Novorossiisk Radio	RUS Sitor-A wkg UFJA, msg	ti25
16854	1740	XSX	Keelung Radio	TWN Sitor-A idle, tfc-list	ti25
16865	1741	XSQ	Guangzhou Radio	CHN Sitor-A idle, id, idle	ti25
16880	1602	XSQ	Guangzhou R.	CHN SITOR/A tlx/cw mkr	pcG
16883	1843	OST	Oostend Radio	BEL Sitor-A wkg unid, svc-tfc	ti25
16886	1530	TAH	Istanbul R.	TUR SITOR/A ist.rad + de tah	pcG
16887	1542	LZW	Varna R.	BUL SITOR/B news b/c+varna radiop	pcG
16898,5	1730	UAT	Moscow R.	RUS SITOR/A cw/tlx mkr	ti25+pcG
16904	0855	UDK	Murmansk R.	RUS SITOR/A cw/tone mkr	pcG
16905	1515	FUV	FNY Djibouti	DJI RY-SG-TESTING	ti25
16927	1339	UIW	Kaliningrad Radio	KAL RTTY 50 id, RY	ti25
16951,5	1858	6WW	FNY Dakar	SEN RTTY 75 VOYEZ LE BRICK...	ti25
17055,2	1346	GYA	Ny Northwood DCN	G RTTY 75 CARB	ti25
17097,6	0620		Unid	? Unksys 100/850 encr	ewAU
17180	1348	RFFMEN	Ny Paris(?)	F RTTY 75 TESTING-RY-SG	ti25
17180	1407	RFFME	Ny Paris	F RTTY 75 RFFME new for HWN!	abNL
17430	0715	9VF209	Singapore	SNG Fax 120/576 weather map	ewAU

## EUNL1999

17430	0640	M42	FAPSI	RUS RTTY 100 msgs on link 30044	abNL
17467	0935		Unid	? Unksys 75/270 encr	ewAU
17519	1410	M42	FAPSI	RUS RTTY 75 msgs to RXC81 30088	abNL
18040,3	0650	HGX39	HNG Emb N.Delhi	IND DUP-ARQ-125 encr tfc	zeTC
18042,7	1410	RFTJ	FF Dakar	SEN ARQ-E3-192 Controle de Voie	zeTC
18042,7	1640	RFTJD	FF Libreville	GAB ARQ-E3 192 idle	ti25
18064	1645	SNN299	MFA Warszawa	POL POL-ARQ-100 Pol nx	zeTC
18156,7	0831		MFA Cairo	EGY SITOR-A-100 5 lgs msg	zeTC
18212	0838	9XK79	DW Kigali	RRW RTTY-100/400 E BC techn inf	zeTC
18253,8	1337	SUU	Cairo Meteo	EGY rtty 850/75 wx,no ID	pt53
18254	1354	SUU	Meteo Cairo	EGY RTTY 100 AAXX-reports	ti25
18269	1643		unid SUI diplo	? Sitor-A msg 5lg	ti25
18332	0745	M42	FAPSI	RUS RTTY 75+cw callup to RPR	abNL
18373	1500	M42	FAPSI	RUS RTTY75 cw callup + RTTY	abNL
18373	1500	M42	FAPSI	RUS RTTY 75 msgs to UDZ21 00054	abNL
18445,2	1658		unid	? ARQ-E 184 idle	ti25
18940	0906	BDF2	Shanghai Meteo	CHN WEFAX-120/576 surface anal	zeTC
19354	0800	M42	FAPSI	RUS RTTY 75 cw-callup+to RPO	abNL
19699	1630	UFN	Novorossiysk R	RUS SITOR/A cw/tlx mkr	pcG
19724,5	0852	UIW	Kaliningrad R.	KAL RTTY-50 ry de UIW ans 16678	zeTC
19862	1315	MGJ	Ny Faslane	G rtty 850/75 marker	pt53
20011,7	0913	ASP32	MFA Islamabad	PAK SITOR-A-TWINPLEX selcall	UKzeTC
20179,7	1400	RFFA	FF Paris	F ARQ-E3 100 msg 5lg to RFVI	ti25
20633,8	1308		UNID F ARQ-M 100 bd, de Paris, controle de voie		pt53
20959,9	1351	SAM	MFA Stockholm	S SWED ARQ to SEmb windhoek	abNL
23130	0710	M42	FAPSI	RUS RTTY 75 cw-callup+to EWZ42	abNL

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

9994	0909	RWM	TS RWM	RUS cw id in CW + timesignals	abNL
10000	2125	BPM	Lintong TS	CHN TS,cw ID at 21.29	pt53

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

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AUT-Austro Control NDB`s	7	c/vc, IRC (see ads)	different			pt53
AUT-NDB Linz	16	cd	327	`LNZ`		lrG
AZR-NDB Flores	14	lt,ppc,tourist-i	270,5	`FLO`		nr76
CAN-Iqualit R.	20	f/d lt,i 2 fup/s	6513	VFF		lrG
CHN-Tianjin R.	70	lt	8600	XSV		nr76
D -DARC AURORA Beacon	7	cd,info/vc,SASE	10144	DK0WCY	30 w	zeTC
D -DARC aurora beacon	102	cd,info(tnx to mo76!)	10144	DK0WCY	30 w	dmRU
D -SWRS Wuppertal	45	ppc,info/ltr	11470		350 w	ti47
DNK-Lyngby Radio	29	ppc,info/ltr	4215,5	OXZ		ti47
DNK-Ny Aarhus	11	n/d lt+sti	2357,5	OUA		lrG
E -NDB Ibiza	55	lt	394	`IBZ`		lrG
F -NDB Auch	10	lt	420	`LMT`		lrG
F -NDB Granville	29	ppc/SAE 2 fups`s	321	`GV`		lrG
F -NDB Aubenas	12	ppc/SAE	427	`AB`		lrG
F -NDB Cahors	16	lt,tourist-i	348	`CL`		lrG
F -NDB Biscarosse	21	ppc	358	`BRS`		nr76
F -NDB Nantes	28	ppc	369	`GL`		nr76
F -NDB Roan/Medis	7	ppc	427	`RY`		nr76
F -NDB Toulouse	14	ppc	368	`TLB`		nr76
F -NDB Grenoble St. Geoirs	5	ppc	291	`WS`		nr76
F -Ny Brest	10	p/d lt f/up	2789	FUE		lrG
G -NDB Scotstown Head	7	PPC, lt/vc, IRC	383	`SHD`		pt53
G -Yarmouth CG	63	lt,ppc,i	2182			nr76
G -Yeovil Ops.	13	p/d lt	8977	Yeovil Ops		lrG
HOL-NDB Eindoven	10	PPC, lt/vc, IRC	316	`PH`		pt53
HWA-Honolulu Meteo	53	f/d lt/vc	16135	KVM70		zeTC
I -Compamare Termoli	21	ppc	6815			nr76
I -MRSC Livorno	21	ppc	6815	ICI02		nr76
I -MRSC Ancona	14	ppc	6815	ICI07		nr76
I -NDB Biella/Cerrione	7	ppc via Milano/Linate	350	`BLA`		nr76
I -NDB Aviano	23	PPC/vc,IRC	390	`AVI`	100 w	pt53
IRL-Shannon Volmet	40	ltr,info/ltr	5505		5000 w	ti47

## EUNL1999

J -Muroto Fishery R.	14	ppc	12811,5	JFM		nr76
J -Shizuoka-ken Fish.R.	21	ppc	12811,5	JFG		nr76
JMC-LDOC Air Jamaica	201	f/d lt f/up	13356			lrG
LUX-NDB Luxembourg	9	ppc/IRC	318	`LE`	100 w	lrG
LUX-NDB`s Luxembourg	11	PPC/vc,IRC(see ads)	different			pt53
NMB-Walvis Bay R.	21	ppc	4384	V5W		nr76
NOR-NDB Marstein	14	ppc c/a fup 97 rppt!	309,5	`MA`		nr76
NOR-NDB Reksten	15	cd/vc,IRC,PPC	379	`REK`	100 w	pt53
NOR-Rogaland Radio	52	ppc/ltr	8574	LGW	5000 w	ti47
POL-Gdynia Radio	17	ppc,info/ltr	8427,5	SPA	5000 w	ti47
RUS-Arkhangelsk R	146	ppc,vc/vc,SASE	12714	UCE	5000 w	zeTC
RUS-NDB Astrakhan	24	ppc/SASE	650	`GV`	250 w	dmRU
S -NDB Angelholm	11	lt	370,5	`LB`		lrG
S -NDB Save	39	cd	425	`SIG`		lrG
SUI-NDB Berne	16	lt	366,5	`BER`		lrG
UKR-Mariupol R.	28	cd/vc,SASE	8422,5	USU	5000 w	dmRU
USA-USCG New Orleans	43	lt,info,vc/vc	12789.9	NMG		zeTC
USA-USCG Point Reyes, CA	25	ltr,ppc,sced/ltr	16806,5	NMC	10000 w	ti47

## Membership and money corner:

A note from the treasurer: Fee with thanks received from pt53, lrG, kh84 and hl71. Due to renew: a1EU + pdCH (since Summer!!!) and now hb31, fd40, ti47, wk08, mo76, dp47, hs61 ps50, js38, ht45, sw67, and fvI. (I please you to pay your fee as our treasurer likes to pay his winter holiday, hi.)

A question from pt53: Can anyone confirm that the station `avurnav Brest` on 518 kHz (Sitor-B) is CROSS Corsen? Any info on `avurnav Cherbourg`? (CROSS Jobourg, ed?)

## Addresses/Infos/Veri-signers:

Here is the address for slovakian military NDB`s supplied by OM Frank H.:  
 MoD , Velitelstvo Armády SR, ÚVSS , Razusova 7 , SVK-91127 Trencin  
 The verisigner is Ingenieur Jindrich Svarc. Tnx Frank, ed!

A note from a letter received by nr76 concerning russian NDB`s:  
 „The Centre of Aeronautical Information of Civil Aviation of the Russian Federation is engaged in publication of the AIP (Aeronautical Information Publication) of Russia and is not concerned by no way in and especially as responsible for the NDB operation. Our Centre of Aeronautical Information is not a supervisory body but purely a comercial on. So the correct Central address for RUS NDB's is further wanted.

OXZ Lyngby R.: Radiotelegrafkontor, Bagsvaerd Mollevej 3, DK-2800 Lyngby (ti47)  
 NMA USCG Point Reyes,CA: USCG CAMSPAC Point Reyes, Commanding Officer, P.O.Box 560, Point Reyes Station,CA, 94956-0560, USA (ti47)  
 LGW Rogaland R.: P.B. 3070, N-4301 SANDNES (ti47)  
 SPA Gdynia R.: Telekomunikacja Polska S.A., Radiokomunikacyjne Centrum Odbiorcze W Rekowice, 84-123 Polchowo, Poland (ti47)  
 SWRS: SWRS-Shortwave Relay Service, Postfach 220 342, D-42373 wuppertal (ti47)  
 Shannon Volmet: Aeronautical Communications Station, Ballygreen, County Clare, Newmarket-On-Fergus, Ireland (ti47)  
 NMG USCG New Orleans-via National Huricane Centr, v/s Michael J Tichacek (zeTC)  
 KVM70 Honolulu Meteo: National weather Service,Forecast Office, 2525 Correa Rd, Suite 250, Honolulu,HI 96822-2219,Hawaii. (zeTC)(v/s Jim Weyman,Dir.Central Pacific Hurricane, Centr Area Manager,State of Hawaii)  
 NDB Astrakhan/VRI: AstrakhanAeroNavigatsia, Astrakhan 414023, Russia (dmRU)  
 KVM70 Honolulu Meteo: National weather Service,Forecast Office, 2525 Correa Rd, Suite 250, Honolulu,HI 96822-2219,Hawaii. (zeTC)(v/s Jim Weyman,Dir.Central Pacific Hurricane, Centr Area Manager,State of Hawaii)  
 VRI NDB Astrakhan: AstrakhanAeroNavigatsia, Astrakhan 414023, Russia (dmRU)  
 LMT NDB Auch: Gestion Aerodrome, Auch-Lamothe, Route d`Agen, F- 32000 Auch (lrG)  
 AB NDB Aubenas: Aeroport vals Lanas, F- 07200, Auben (lrG)  
 CL NDB Cahors: Hotel de Ville, F- 46010 Cahors (lrG)  
 SIG NDB Save: Luftfartsverket Flytrafikledningen Save, Box 10091, s - 400 70 Gotenburg (lrG)  
 FUE Ny Brest: STIR Atlantique, B.P. 46, F- 29240 Brest Naval (lrG)  
 LDOC Air Jamaica: Air Jamaica Ltd., Flight Dispatch, Norman Manley Int. Airport,



EUNL1999

Kingston (lrg) (v/s: Peter R.G.Henry, Duty Manager System Operations)  
FLO NDB Flores: Manuntencao de Navegacao Aerea das Flores, Aeroporto das Flores, 9970 Santa Cruz des Flores (nr76)  
XSV Tianjin R.: Tianjin Coastal Radio Station, Jiefang Door, Xingang Tanggu, Tianjin, China (nr76)  
BRS NDB Biscarosse: Direction de l'Aviation Civile Ouest, District Aeronautique des pays Loire, B.P. 4309, F-44343 Bouguenais Cedex (nr76)  
TLB NDB Toulouse: Direction de l'Aviation Civile Sud, B.P. 100, 31703 Blagnac (nr76)  
RY NDB Roan/Medis: Chef d'Aerodrome de Roan-Medis, Aerodrome de Roan, F-17600 Medis (nr76)  
WS Grenoble St. Geoirs: Direction Aviation Civile, Centre Est, Aeroport de Grenoble St. Geoirs, F- 38590 St. Etienne de St. Geoirs (nr76)  
Yarmouth CG: District Controller, MRCC Yarmouth, HM Coastguard, 4th Floor, Havenbridge House, Great Yarmouth NR30 1HZ (nr76)  
PH NDB Eindhoven: Eindhoven Airport, N.V. Vliegfeld Welschap, Luchthavenweg 25, 5657 EA Eindhoven (pt53)  
AVI NDB Aviano: Aeronautica Militare, Comando Aeroporto `Pagliano + Gori`, Controllo Spazio Aero, Il Capo Servizio C.S.A. f.f., I-33081 Aviano (pt53)  
LW & ELU NDBs Luxemburg: Administration Aeroport de Luxembourg, Boite postale 273, L-2012 Luxembourg (pt53)  
REK NDB Reksten: Luftvartsverket, Teknisk Avdeling, Postboks 8124 DEP, N-0032 Oslo (pt53)  
KTI NDB Arbesthal/Kuethai: Austro Control, Technischer Dienst, A-1300 wien (pt53)  
RTT NDB Rattenburg/Zimmermoos: Austro Control, Technischer Dienst, A-1300 wien (pt53)  
INN NDB Innsbruck/Igls: Austro Control, Technischer Dienst, A-1300 wien (pt53)  
SBG NDB Salzburg/Oberndorf: Austro Control, Technischer Dienst, A-1300 wien (pt53)  
(Austro Control, Österreichische Gesellschaft für Zivilluftfahrt mbH, A-1030 Wien, Schnirchgasse 11) (pt53)  
SHD NDB Scotstown Head: National Air Traffic Services, Control Tower Building, Aberdeen Airport, Dyce, Aberdeen AB21 7DU, Scotland, UK (pt53)

This famous work was made by our (10) famous contributors ti47/ti17/ti25, pt53, ewAU, abNL, zeTC, pcG, lrg, nr76, pt53, ai46  
gd dx + 73's, until next month (c)

Andreas

A.Ibold - all rights reserved ©