

The following is an 'outline' of EAM activity as received off the GHFS and NIGHTWATCH nets over the last 2 years or so.

There have been numerous changes in the following information since the beginning of 1996, many of which took place starting in May and June of 1996; a major "repeat" EAM transmission time shift sometime between 28 Jan 96 and the third week of March 1996; and a very significant format change apparently effective 01 Oct 96 (a new 20-character/variable character count series (with very rare 26-character strings within this series), with this "new" series used in the 20/20 character subsets of 18412the 20/20/26 character EAM sets, and also used in the "FOR..." strings.)

Preambles

6 character preambles since October 1991 (prior to 01 Oct 1991, the preambles were 5 characters in length.)

Static characters - first two characters of preamble.

26/20 character EAM preambles:

 Lasts approx 2 weeks.

 Shifts to 3 weeks to 26 days, Dec 94 - May 95

 Since May 95, it is at a 14/15 day cycle.

 Sometimes the period lasts less than 10 days.

Static character alphanumeric patterns to date

 'alpha' 'alpha'

 'numeric' 'numeric'

 'numeric' 'alpha'

 'alpha' 'numeric'

Variable count EAM preambles, currently -

 Static characters (from mid-1994 to date) lasts 2 months, sometimes much less, sometimes much more.

 The BD... series lasted more than 4 months.

20-character/variable character count series

Since 01 Oct 1996, there is active a 20/variable character count series using the static characters that seem to remain active for 2 to 3 weeks at a time.

Preambles repeated thrice, not twice, since no later than 0001z 12 Dec 1994.

 This was a major change from past practice (decades).

Character counts

6 Character EAMs

Basically, an EAM that consists of only it's 6-character preamble. Uses the static characters of the 20/variable character count EAM series.

Tend to show up as the first EAM string of a 6/20/26 character EAM set, only using the static series belonging to the 20/variable character count sets. There are rare instances of 6/./6/20/26 character EAM sets as well. They can also show up as standalone strings.

26/20 Character EAMs

The 26-character EAM is the most common EAM string by far. There is a very rare "sub-set" of these strings that have a character count of 20-characters and use the same 2-character static series. Prior to 01 Oct 1996, the 20-character strings in this 2-character static series were not heard as often as the 26-character sets, but were not rare. The 20-character strings in this series were also used in the common 20/20/26 character EAM sets heard at various times over a ten minute window, and in the "FOR..." EAM strings. Since 01 Oct 96, the 20-character EAM strings in this static series are no longer being heard in the 20/20/26 character EAM sets nor are they being heard in the "FOR..." EAM strings.

Prior to 01 Oct 1996, most "For..." EAMs in the 26/20 static series were 20-characters in length, but there were rare instances where the "For..." EAMs were 26-characters in length. Examples:

"FOR SCACS" (or sounds like) bcst by RACECAR 07 Sep 94.

"FOR POSTAL SAVINGS" (09/19/95 0221z+) and EAMs "FOR 'two words'" (could not make them out on 09/22/95 0636z+.)

"FOR BIRTHDAY; EXCISE TAX." 11 Nov 95

"FOR BALL QUE" 20 Feb 96 GHFS and ORANGEAID

And others.

These 26-character "FOR..." EAMs appeared to be the only non variable character count "FOR..." strings that would be heard on the NIGHTWATCH nets, and these instances were very rare. In other words, the 20-character "FOR..." EAMs were not heard on the NIGHTWATCH nets, but the rare 26-character "FOR..." strings were heard.

Variable Character Count Strings

Relatively rare

Became very common during first two weeks of December 94.

Counts

Mostly 35 - 80 characters

Occasional multihundred character counts

Highest count heard so far - 500+ (05/19/95)

Some 'counts' call attn to themselves over a period of time.

44 count

54 count (maybe)

74 count ('often', in a rare sort of way, recently.)

Two sets of 2-character static sets in the preambles seem to remain co-active at any one time.

Exception to 20 character "FOR..." EAM pattern:

Callsigns 'FOR' Commands (or Theaters?).

USCINCCOM; EURCINCCOM, and others in Dec 94.

EAMs 'for SOARHAWK'.

An EAM on 12 Sept 95 "FOR EXERCISE BEARING VALLEY."

An EAM "FOR USS MINNEAPOLIS AND ST-PAUL".

20/Variable/(26) character count series.

Heard since 01 Oct 1996.

20-character strings heard as:

Stand alone strings

Part of the "FOR..." EAM strings

Comprise the 20/20 strings of all 20/20/26 character EAM sets since 01 Oct 1996.

EAMs directed to callwords, places, units, etc -

apparently mostly 20 characters in length, with exceptions.

20-character callsign type examples (taken mostly from pre 01 Oct 1996 transmissions):

5 character - GROUP

6 character - NEWTOY; CAMPUS

7 character - PICCOLO; SHILALA (I know - SHILALAH; SHILLELAGH, ETC) and it could have been a person's last name.

9 character - BIG PISTOL

Multiple words - "FOR OVERSTREET, PARADOX, AND FAIR CATCH", etc.

Actual names - USS OHIO; USS BUFFALO; USS MINNEAPOLIS AND ST-PAUL; USS ASHEVILLE

'Areas' - REGION ALPHA, (BRAVO, CHARLIE, DELTA); ALL REGIONS.

Persons names (?) - LEFTY GROVE

Commands: - 6ABW (in the Spring of 1996).

Air Force Bases - FAIRCHILD; MINOT; GRAND FORKS

Coded commands - "FOR HUSKER FORCE"; "FOR HAWKEYE FORCE"

(Watch for - Non command/theater callsigns [such as the above names] that are variable character count strings.)

26-character strings in this series are very rare.

1720z 01/02/97 from BIG BURLEY and the GHFS.

Static 'For..' EAMs.

"For REGION 'alphacharacter'":

20 Character EAMs 'for' REGION 'alphacharacter'.

Only alphacharacters heard: ALPHA; BRAVO; CHARLIE; DELTA.

Four 'regions'. Ok, who, what, when, where....?

"For SOARHAWK":

Variable character-count EAMs: FOR SOARHAWK, heard on 02/09/95 and 07/21/95.

"For (Commands/Theaters)

Variable character-count EAMs heard on 01 Dec 94, and for the next 10 or so days. Things that sounded like USCENCOM; USCINCCOM;

EURSATCOM; and others. (Of interest, Dec was also the month

when the EAM preambles went from twice to thrice (<=12 Dec

94); and, in Bruce Blair's 1995 "Global Zero Alert for Nuclear

Forces", he writes that in Dec 94 the U.S.'s nuclear release codes were accidentally compromised onboard a STRATCOM airborne command platform.)

20-character EAMs (multiple) "FOR 6ABW" on 13 Mar 96; 17 Apr 96; and 18 Apr 96

"For TACAMO LANT PRIMARY"

"For TACAMO LANT SECONDARY"

"For TACAMO CENT PRIMARY"

"For TACAMO CENT SECONDARY"

"For TACAMO PAC PRIMARY"

"For TACAMO PAC SECONDARY"

"For TACAMO PAC SECONDARY CREW" (0137z 16 Sept 96 and other days)

Heard since 02 May 1996

Heard often at 0338z/1138z/1938z - an every 8 hour window.

Sometimes heard at 0138z/0938z instead - a 2 hour offset

Once heard at 0438z/2038z instead - a 1 hour offset

Once heard (11 Jun 96) at 1404z

(TACAMO PAC and TACAMO CENT mentioned in NIGHTWATCH nets on 31 Dec 96.)

Since no later than the end of March 1997 (and maybe starting at the end of Mar 97) the "For TACAMO..." EAM strings are no longer heard. Instead they seem to have been replaced by 20-character EAMs "FOR [callword]" at the h+38+/- window.

In many cases these callsigns are then heard starting in the next hour entering the NIGHTWATCH nets.

"For "callwords"" that remain static over a one to two day period.

Noticable since maybe end of 1995 or beginning of 1996.

Example: "FOR 6ABW" as noted above.

Alphanumeric characters within the EAMs.

Alpha characters - all 26 characters of English alphabet are used.

Numeric characters

Common: 2; 3; 4; 5; 6; 7

Not heard: 9

Not heard: 8

Not heard: 0

Not heard: 1 (noted exception below)

Verbally in the qrm, zero can sound like kilo.

Without a slash, zero can look like letter 'oh'.

"One" can look like an 'eye' (India.)

Question: Why??

Answer: Who knows.

Best left to crypto heads for answer.

(A digression: Robert Evans' 1989 'Aeronautical Communications Handbook' has an example of an EAM on page 7.11. I have no idea if he made it up; or, if he took it from an off the air logging. The thing is 20 characters long. It has an 'eight' in it. If he made it up, putting an

'eight' in there is understandable. If it is a true off the air logging, then the EAMs used eights in their visible character set back in 1989, and earlier. But, just try to find them now. The 'problem' is that nobody really paid any real attn to these things in the past, so the written record in the hobby is 'slim to none.')

Per some old logs of Larry Van Horn's from 1984, the EAMs of 1984 did contain zeros, ones, eights, and nines; but, these were found in plaintext datetime groups inbedded within the EAM string. If you stripped out the 5 character preamble, the dtg's were found starting at the 8th character. It was also possible that the alpha character that followed the 6-character dtg also belonged to the dtg, making the dtg block a 7 character string as well. That would allow the 'old' 26 character EAM sets to be parsed into blocks of 7 characters each, after stripping out the preambles. Further, the apparent variable-count strings at the time also had the dtg starting at the 8th character (after stripping out the preambles.) Sometime between March of 1984 and early 1989, the EAMs lost their datetime group blocks (1985 was "the year of the spy.")

Exception: 05/23/96 11244.0, OFFUTT as lead station (with no echoing stations heard) with 108-character EAM:
 PC6BJV ZTNFNWH27IE2VS75MIEJKAD3JT3IQ5U7WPSZRAHEAL1AEAM1AEAN1ATXKM

^ ^ ^
 GYTPPUP4A0665CXMNY426UX7PKOYPLPJWCKCBVCE7NT5

Or: ... EAL1A EAM1A EAN1A...
 (EA_1_)

The "one"s were very distinctive, plus they set off the trailing 4-character blocks that followed them. Then, on 24 May 96 TIGEREYE on 9017.0/6739.0/11244.0 led the GHFS with numerous PC... EAMs at post 1500z, all of which had similiar blocks with "ones" and slight variations with the sequencing EAL/N strings, including one EAM "FOR USS BUFFALO."

Repeating character sets within the EAM strings:

Within some, but not all by far, variable count EAM strings can contain certain blocks of text (3-characters or more) that might repeat within the string. This is rare.

One edited example from a 0316z 22 Nov 96 EAM string:

14	14	14	10
	-----	+++++	+++++
SHEWGIA6CXVBS3A5YE5SH4RQFHE3A5YOB	CDVRNEWG3A5YE5BOBVDQXV3AZI5Y7RSI		
^ ^ ^ ^ ^ ^	^ ^ ^ ^	^ ^ ^ ^ ^ ^	^ ^
3A	3A	3A	3A
3A5Y	3A5Y	3A5Y	
3A5YE5		3A5YE5	

(There's also a duplicated "EWG" in the string as well).
 Since late November 96 (as noted above) John Runchman of the WUN listserv discovered a repeating positional pattern in the last 14

characters of certain strings as follows (edited from WUN):

DDDEVBSDXZXWW (23 Nov 96)
5555VI46MYPJZO (22 Dec 96)
DDDEVBVW4YK4V (27 Dec 96)
YYYYIH46PWI2V2 (11 Jan 97)

^^^^|

Since late November 96, there has been a set of 145-character EAMs that reflect a commonality over the entire set (from a WUN msg):
From 25 Nov 96 (4th week Monday 1442z); 03 Dec 96 (1st week Tuesday 0920z); 20 Dec 96 (3rd week Friday 1137z); and now 06 Jan 97 (1st week Monday 1918z+/-) (nothing noted earlier than Nov 96 back for 2 years):

i6kff5vkvw44ybwga7cr2mc6iruxew457ruxxdwwp4w6drce4pgzovokj7snproxicn4wr
7ca44avdpeqadk6bltztvw6rfguxrp457ru4ydwwp4ywdrct4w2zovok4csnprqh6cn67e

**

pmswirzu2p7xhwn6o5s52mm7pbuxwe457ruy3dwwp4zadn
wthtbrxf4p7xhs5wo5ss2p37pbuxnz457ru4qdwwp4kodn

^^^^ ^^^ ^ ^^| | | | | | | | | | ^ ^ ^^^^^ ^^^ ^^

(commonality)

Voice transmission process

The EAMs (as 'traffic') are sometimes broadcast on the NIGHTWATCH HF nets. In some cases the strings are bcst on the 'NIGHTWATCH' HF nets before they are transmitted by the GHFS. Although there are exceptions to everything, these EAMs that precede the GHFS rotation of same seem to be transmitted by non-NIGHTWATCH 01 players in the nets.

(In one instance, on 15 Feb 96, 9016.0 lit up at 1704z with what may have been an inadvertant transmission that consisted of an operator reading an EAM string, with the signal being very hollow and echo-y sounding. At 1705z, 9017.0 lit up with the same string; and the GHFS picked it up at 1707z.)

In other cases, the strings are broadcast on the nets, and the transmission trails (or is coincident with) the GHFS rotation. Again, there are exceptions to everything, but EAMs from NIGHTWATCH 01 seem to meet this pattern.

Although still tentative, it seems that the "For..." EAM strings that are occasionally heard on the GHFS are not heard on the nets.

Exception: Certain rare 26-character "For.." EAM strings will be broadcast on the NIGHTWATCH nets, apparently trailing the GHFS.

Exception: TIGEREYE EAM xmsn on 9017.0/6739.0/11244.0 at 1741z on 24 May 1996: 73-character EAM string "FOR USS BUFFALO" (PCXBYL..), containing "ones".

Originator on the nets:

Usually, one of the non-NIGHTWATCH players in the net.
Uses daily tactical callsign.

At times, this appears to be the same station each day

using a different call for each day.

Particularly back in 1994, the operators would appear to be the same on a day to day basis. With rare exception, the signal levels seem to be at consistant levels on a day to day basis, and no better than good to fair levels at my Texas location.

Ground station?

On most, but not all days, the operators appear to be USN trained.

Airborne CP??

On most, but not all days, the operatos appear to be USN trained.

Slow, deliberate transmission

Distinctive enunciation

Usually male, but sometimes (rarely) female opr.

Very noisy enviornment

Other voices in background reading alphanumeric or Navy voice comms.

Warble tones

Other radio transission can be heard on the background.

The EAMs are usually, but not always, simulcast on the net primary freq and on certain GHFS freqs: most common - 6739.0; 8968.0; 11244.0; 15016.0 and subsets of same.

NIGHTWATCH 01

Example: verbal EAM to MACDILL for injection to AUTODIN Immediate rebcast by GHFS. (Another example of same caught by Bob Lewallyn.)

Example: NIGHTWATCH 01 acting as the lead net station. Seems to mostly transmit the EAMs in a trailing mode.

Sometimes, two non-NIGHTWATCH stations will broadcast the EAMs - a station that broadcasts 'new' EAMs, usually leading the GHFS; and a station that bcsts 'repeat' EAMs, usually on a tight schedule (most common: h+25; h+51). There is maybe an indication that the 'repeat' EAM station is operating in a manner that is independent of NIGHTWATCH 01.

Freqs:

'Designator' freqs

11244.0 is very common.

11244.0 is a common simulcast freq when the EAMs are being bcst on a net freq by the initiator of the EAM into the net. If you hear a callsigned station bcsting an EAM on 11244.0, quickly check the common net freqs to find the location of the net.

Sometimes still uses 11243.0 (S393.)

No longer true since 01 Jun 1996.

11244.0 described as S393 often.

No longer true since 01 Jun 1996.

6739.0 is now also common as a simulcast freq.

8968.0 is now also common as a simulcast freq.

Occasionally heard on non-designator frequencies.

Still occasionally heard on 11267.0.

Plus other 'USN' freqs during self-id'd exercises.

As of 01 June 1996, the nets seem to have abandoned the use of the W;X;S; and P designators, and have replaced them with ZULU designated frequency tables, apparently contained in something id'd as the "Alpha Kilo Alpha two thousand" during net activity on the weekend of 01/02 Jun 96. The designated frequencies appear to conform to proper 3 khz spacing when they fall within the OR bandplan.

11244.0 1958z 30 May 1996, SELLOUT working MACDILL, looking for NIGHTWATCH 01 working frequencies. He was given designators such as S310, so he asked MACDILL if she was "...aware of the frequency tables that are ZULU designated?". First known instance of these tables being mentioned. Actual implementation date appears to be 01 Jun 96.

Rebroadcast by GHFS network (North America)

Lead station - gets to say 'MAINSAIL, MAINSAIL.'

Usually OFFUTT (following the old SAC MAINSAIL process.)

If not OFFUTT

MCCLELLAN or ANDREWS (again, more SAC stuff.)

Presumed to be the GHFS "Master Control Station for that week"

Since October 1995:

ANDREWS The first week of the month

MCCLELLAN The second week of the month

OFFUTT The remainder of the month.

If OFFUTT, all stations wait for completion of OFFUTT bcst

There are rare exceptions.

Not so 'rare' since Feb 95 or so. They usually now do not wait for OFFUTT. MACDILL has been 'leading' the 'MAINSAIL' station since early Mar 95. (Since May 95, they seem to be again waiting for OFFUTT.)

If not OFFUTT, then 'get out of the way' - catch as catch can.

MACDILL still seems to be the station that 'jumps the gun.'

Probably significant indicator of MACDILL's place in this process.

Example: During a 20/20/26 character EAM set (usually over a 10 minute period), the lead station usually broadcasts the 20-character strings before any other GHFS station transmits the same string. However, for the 26-character string of the set, the lead station is usually the last GHFS station to transmit the string.

Exception to above: Starting on 12 Oct 1996 (utc), there were

EAMs heard from HICKAM (at 0727z and similiar times the following days) that were not heard from other North American GHFS stations, including OFFUTT, the then "lead" GHFS station. These same strings were also heard in Europe originating from callword stations being sent to MASTERPIECE (NATO/SHAPE) and others during "31A conference calls." *Very* unusual not to hear "lead" participation in these strings (HO... and KJ... strings).

Precedence

EAM transmission seems to take precedence over all traffic

Except - FOXTROT

EAM bcst by lead station will be stopped for FOXTROT bcst. EAM bcst resumed immediately without waiting for FOXTROT cycle to finish.

OFFUTT will 'dual' with daily callsigned station when they are transmitting EAMs at the same time on 11244.0.

OFFUTT apparently will not dual with daily callsigned station when OFFUTT is bcsting a FOXTROT xmsn and the callsigned station is bcsting an EAM on 11244.0. Look for exceptions.

Transmission patterns:

Most common pattern:

Bcst once by NIGHTWATCH net

Repeated once by the GHFS 'cycle.'

Exceptions: see schedules.

Not rebroadcast again.

Exceptions: see schedules.

Exception: If a string was broadcast with an error in the string, then the string will be rebroadcast up to hours later with the error corrected, but there is no note of the correction at the time of the second bcst.

During apparent excercises, pattern:

One or more EAMs are repeated often on the NIGHTWATCH nets during time frame of exercise.

Repeated by NIGHTWATCH ##

Can be repeated by daily callsigned station.

Watch for Navy participation on common Navy HF freqs.

If heard, this is a good indicator exercise in progress.

On 07/19/95, MANGROVE was heard with 'repeat' EAMs over a six-hour (plus) period, bcst at exactly H+00; H+17 (no more, no less); H+30; and H+45. This time of July was noted for major joint military excercises; 'war surge' tests of C17s; and 'Global Power' missions of B-1Bs.

6 Character EAMs

Not heard between April 95 and the middle of October 1995

If the static characters belong to the 26/20 character set:

Pattern within a short period of time (usually 10 mins.)

6 character

20 character
26 character
or
6/6/... character
20 character
26 character

Rare exception to 6/20/26 has been heard

Two 6 character EAMs bcst within a few minutes of each other with no following 20/26 strings.

If the static characters belong to variable character-count set:

Not part of a 'set' as above.

20 Character EAMs.

Since at least March 95, most common pattern: 20/20/26 over a 10 minute period. (What's significant about "10 minutes?")

Very rarely, they are over a 15 minute period.

There are still times when the 20 character EAMs are not 'clustered' in a dual pattern.

In the 'cluster' there are sometimes strange relative positional relationships between the 2nd 20 character EAM and the 'terminating' 26 character EAM.

EAMs directed to callsigns:

Somewhat rare

Usually heard only once

No longer true in 1996.

Examples: the EAMs "FOR 6ABW", and others.

Watch for 'clustering'

If they are clustered, it is usually over 30 minutes or so.

A favorite day/time for this is Tuesday 1300-1400z (1200-1300z during daylight savings time.)

But, they can happen at any time.

Since Jun 95, there may be a slight shift in the Tuesday bcst from 1200-1230 to 1230z-1300z.

They have not been heard on Tuesday since maybe Aug/Sept 95.)

Pattern has also been noted on Mondays.

Unsure how these are handled on the NIGHTWATCH net, however...

Pre-March 1994

9 character callsign stations would initiate to a participating callsign; then, rebcast by GHFS.

Actually heard on one day only in Dec 93: FOR PICCOLO (20-character EAMs.)

Post-March 1994

11243.0 07 Sept 94 1726z: RACECAR bcsts a 26-character EAM 'FOR SCACS' (sounds-like.

Presumend spelling. Sounded like 'sacks' with a 'sk' sound at the beginning. 26-character

"FOR..." EAMs are very rare.

9017.0 24 May 96 1741z, TIGEREYE, simulcasting on 6739.0, 9017.0, and 11244.0 with 73-character EAM "FOR USS BUFFALO" (PCXBYL...; and it contained the blocks ...EAL1A..EAM1A...

15016.0 post-1641z pre 1659z 11 Jun 96, TATTOOED with 20-character EAM "FOR DOWEL" (sounds like.) All other (rare) "For..." EAMs heard on the NIGHTWATCH nets were the rare 26-character "For..." strings.

EAM times of transmission:

They can be bcst at any time.

There are times of day in which they seem to cluster.

Varies, but currently between 1700 - 1900z

In past, around 0600-0700; and 1100-1400z.

If you want to catch all of them, park on 11244.0 24 hrs. You WILL hear them except during periods of poor propagation.

Schedules (apparent):

A distinctive EAM window of 0520z - 0540z

Usually between 0530z and 0537z.

Often, these are 20/20/26 character EAM sets, with the 26-character string used in "repeat" EAM transmissions of ANDREWS at post 0600z h+30 broadcasts.

Occasional 0430z+- bcsts.

Other EAM 'windows' are suspected, as per above info re 'clustering.' Example 2330z+/-, used by THULE below.

In fact, GHFS broadcasts during these 'windows' seem to feed some of the 'repeat' broadcasts below.

A very tight ANDREWS schedule at 30 minutes after the hour:

0630z; 0730z; 0830z; 0930z.

Prior to 28 Jan 96 (or maybe no later than the 3rd week of March, the transmission time was h+17 in the post 0600z time period.

This h+17 minutestamp was also used by ANDREWS for their "standing by for traffic" calls (on 18 Jul 95 utc)

These bcsts are 'repeats' of one of the EAMs bcst in the 0520-0540z 'window.' (Or, rarely, the 0430+- 'window.')

There can be certain days of the week where there are no 'repeat' EAM bcsts - On these days, it seems that there are no bcsts during the 0520-0540 EAM 'window' as well.

When condition are good, you can catch these being simulcast on 6712.0; 8968.0; 11244.0 at the above times.

A very tight THULE schedule has been heard often at 16 and 45 minutes after the hour.

Heard at maybe from 2000z to 0200z+/-.

Heard on 6739.0; 8968.0; 11244.0; 13200.0; 17976.0.

Before 28 Jan 96, the transmission time was h+04/h+27.

(THULE used the h+27 minutestamp for their "standing by for traffic" calls.)

A very tight CROUGHTON schedule has been heard by a WUN member at h+06 and h+35 (all in late 1996).

Prior to late March 1996, Ary Boender detected the transmission times as h+08 and h+47 from 1700z/+onward.

A very tight ELMENDORF schedule at h+21 and h+40.

Heard around 0300z to 0500z +/- (propagation willing.)

Heard on 6739.0; 8968.0; 11244.0.

Before 28 Jan 96, the transmission time was h+30/h+41.

A very tight HICKAM schedule at h+37.

Suspected change sometime after 28 Jan 96; times currently unknown.

Based on one logging in the middle of 1996, HICKAM *may* still be using h+37.

Very rarely heard.

Minutestamp used for HICKAM's very rare 'standing by for traffic' calls.

A very tight MCCLELLAN schedule at h+50 and h+11 (or 10).

Priod to 28 Jan 96, the transmission time was h+45/h+13.

A tentative OFFUTT schedule of h+00.

Based on an OFFUTT EAM transmissison at 0600z 01 Aug 96, 57 minutes after the string was first broadcast by ANDREWS. Also heard on very rare occasions in late 1996.

No firm time(s) found for MACDILL, except for possibly a single "event" at h+56 one evening only in 1996.

No firm time(s) found for INCIRLIK, except for a very tentative h+15 minutestamp in late 1996.

No minutestamp ever detected since 1995 for LAJES.

No minutestamp heard for ANDERSEN (propagation effect).

No minutestamp reported for YOKOTA.

It is suspected however that YOKOTA engages in this activity - CROUGHTON, THULE, ANDREWS, and ELMENDORF are all heard often with this activity, while the other GHFS stations are not. This seems to point to an emphasis on the North Atlantic and the Arctic Circle, all important in the past to the strategic world. This would maybe suggest that YOKOTA would also be heard often with this activity.

The above can be rewritten in minutestamp order as follows:

H+00	OFFUTT	OFFUTT	H+00
H+06	CROUGHTON		
H+11*	MCCLELLAN	MCCLELLAN	H+50
H+16	THULE	THULE	H+45
H+21	ELMENDORF	ELMENDORF	H+40

CROUGHTON H+35
H+30 ANDREWS ANDREWS H+30
(* = the MCCLELLAN time may be H+10)

There is an obvious "slot" in the above list at H+26 and H+55, which might be filled by another GHFS station not yet heard here due to propagation conditions. The slot is also filled by certain aircraft (aliased to callwords) who use the H+25/H+55 minutestamps (not quite H+26) for "repeat" EAM transmission on 8968.0 and 15016.0 (and maybe 17976.0) over 2 hour windows, with these stations mostly not yet members of the NIGHTWATCH net.

Prior to the Fall of 1995, a 'Tuesday' morning (North America) "FOR..." EAM schedule.

1200z-1300z during daylight savings time.

1300z-1400z during standard time.

Shift from H+00/H+30 to H+25/H+45 detected in early 1995.

Could be heard on Monday's as well

The use of h+25 - h+45 window seems to sometime still be in use in late 1996.

As mentioned in an earlier paragraph, callsigned station heard on 07/19/95 with 'repeat' EAMs bcst EXACTLY at H+00; H+17; H+30; and H+45 over a 6+ hour period. (MANGROVE.)

On 31 Aug 95, from 0100z through at least 0502z, OFFUTT initiating EAMs on the GHFS at h+02; h+16; h+27; h+33; and h+45.

On 13 Sept 95 (a Tuesday, of course) from maybe 1200z through approx 1600z, ANDREWS as lead station with single EAMs (with one exception) bcst at h+02; h+12; h+22; h+32; h+42; h+52. This activity seemed to end just prior to 1630z with a 55-character YY... EAM "For EXERCISE BEARING VALLEY." What's BEARING VALLEY?

Perhaps there are minischedules over short periods of time: Examples were apparent schedules at 0520z+- and 0640z+- over 3 or 4 day periods in Jun 95.

The 0520z broadcasts were part of the ANDREWS 'repeat' EAM set heard at 0#17z.

Over the air descriptions:

Generic term used on NIGHTWATCH nets and by GHFS stations:

'traffic.' (Always.)

'current traffic'

Informal term heard once at end of an exercise:

'ee aa emm' (EAM).

They seem to be held in 'queues' while they are still considered "current traffic", which suggests message buffers similar to commercial e-mail "outboxes".

Jeff Haverlah
eom

The following are the 6/20/26 character EAM preamble static character sets since June 94, and extending through 30 Sep 96. From 01 Oct 96 to 01 Oct 98, this list represents 26-character EAM sets (with a somewhat rare subset of 20-character EAMs). From 01 Oct 98 to the present this list represents the 30/20 character EAM sets. The Date convention is U.S.: mm/dd/yy. Most of the dates and times shown should be considered approximate. Many of the dates and times shown represent the first instance heard here of a new series, not the actual first time the series was used, although there are a few instances where the series would change during a multiple EAM transmission set. [The static series do not "overlap" Once a new series is heard, there are no further instances of the/a previous set heard. With only two known exceptions: U2S3PI 20-character EAM "FOR (sounded like DROP or THROB) at 0635z on 20 Nov 95 (see below), and one other currently "lost" in the logs]. Update: GSTV3S at 0910z on 27 Nov 02 out of sequence.

44....	06/27/94 - 07/11/94 (earlier than 06/27)	Mon
TT....	07/12/94 - 07/24/94	Sun
52....	07/25/94 - 08/13/94 (earlier than 08/13)	
7A....	08/13/94 - 08/17/94	Thurs
WW....	08/17/94 - 08/31/94	Wed
NK....	08/31/94 - 09/14/94	Wed
MV....	09/15/94 - ?? (I got lazy)	
5E....	?? 10/11/94 (backsliding)	
TA....	10/11/94 - 11/04/94	Fri
BY....	11/04/94 - 11/18/94	Fri
4J....	11/18/94 - 12/03/94 (maybe)	
5J....	12/03/94 - 12/29/94 26 days in use	Thurs
ZI....	12/29/94 - 01/24/95 (2000z+) 26 days in use	Tues
SX....	01/24/95 - 02/14/95 (0047z) 21 days in use	Tues
QJ...	02/14/95 - 03/10/95 (0332z, 1747z) 24 days	Fri
AZ...	03/10/95 - 04/02/95 (0633z) 23 days	Sun
4V...	04/02/95 - 04/21/95 2345z 19 days	Fri
6N...	04/21/95 - 05/11/95 0512z 20 days+-	Thurs
HB...	05/11/95 - 05/26/95 0504z 1140z 15 days	Fri
CE...	05/26/95 - 06/15/95 0407z 1157z 20 days	Thurs
G0...	06/15/95 - 06/24/95 0316z 9 days	Sat
6E...	06/24/95 - 07/07/95 0511z 13 days	Fri
IO...	07/07/95 - 07/22/95 1853z 15 days	Sat
EP...	07/22/95 - 08/05/95 0607z 14 days	Sat
DK...	08/05/95 - 08/16/95 2336z 11 days	Wed
D5...	08/16/95 - 09/04/95 1538z 19 days or less	Mon
7Q...	09/04/95 - 09/21/95 1200z 17 days	Thurs
MT...	09/21/95 - 10/02/95 0608z 11 days or less	Mon
5R...	10/02/95 - 10/18/95 0613z 16 days	Wed
U2...	10/18/95 - 11/07/95 0528z 20 days or less	Tues (oditty)
LY...	11/07/95 - 11/20/95 1428z 13 or 14 days	Mon
EF...	11/20/95 - 12/07/95 0530z 17 days	Wed
XU...	12/07/95 - 12/23/95 1516z 16 days	Sat

MQ...	12/23/95 - 01/12/96	0527z	20 days or less	Fri
ER...	01/12/96 - 01/28/96	2109z	16 days	Sun
ZA...	01/28/96 - 02/15/96	1248z	18 days or less	Thurs
54...	02/15/96 - 02/28/96	??	less than 13 days	
2W...	02/28/96 - 03/19/96	0537z	20-24 days	Tues
3B...	03/19/96 - 04/03/96	1428z	15 days	Wed
5U...	04/03/96 - 04/19/96	2058z	16 days	Thurs
AY...	04/19/96 - 05/03/96	0805z	14 days	Fri
67...	05/03/96 - 05/14/96	1653z	11 days	Tues
UR...	05/14/96 - 05/28/96	1557z	14 days	Tues
RX...	05/28/96 - 06/11/96	1404z	14 days	Tues
VL...	06/11/96 - 06/30/96	0500z	19 days	Sun
JR...	06/30/96 - 07/15/96	1939z	15 days	Mon
PI...	07/15/96 - 07/26/96	1519z	11 days	Fri
3V...	07/26/96 - 08/12/96	1405z	17 days	Mon
3M...	08/12/96 - 08/21/96	1756z	9 days	Wed
M2...	08/21/96 - 09/05/96	less than 1445z	15 days or less	Thurs
EI...	09/05/96 - 09/15/96	less than 1348z	10 days or less	Sun
HI...	09/15/96 - 09/28/96	less than 0016z	13 days or less	Sat
4T...	09/28/96 - 10/12/96	less than 0727z	14 days or less	Sat

01 Oct 96 demarcation from the 6/20/26 character EAMs to a series that consists of 26-character EAMs with a smaller subset of 20-character EAMs, and with no 6-character sets. A separate set of EAMs apparently split from the 6/20/26 series and formed a set that consisted of 6/20/variable character count strings, and are listed in a separate document. The 26/20 series continues below:

7K...	10/12/96 - 10/22/96	less than 0704z	10 days or less	Tues
FL...	10/22/96 - 11/09/96	less than 0703z	18 days	Sat
P4...	11/09/96 - 11/30/96	1432z	21 days	Sat
T4...	11/30/96 - 01/01/97	less than 1437z	31 days (unusual)	Wed
GW...	01/01/97 - 01/25/97	less than 2032z	24 days	Sat
CT...	01/25/97 - 02/12/97	less than 0304z	18 days or less	Thurs
GL...	02/12/97 - 03/01/97	less than 1628z	17 days	Sat
2I...	03/01/97 - 03/13/97	less than 1433z	12 days	Thurs
FJ...	03/13/97 - 03/31/97	less than 1434z	18 days or less	Mon
DE...	03/31/97 - 04/16/97	less than 1436z	16 days	Wed
S3...	04/16/97 - 04/29/97	1730z	13 days	Tues
GU...	04/29/97 - 05/13/97	less than 1805z	14 days	Tues
Q4...	05/13/97 - 06/01/97	less than 0220z	19 days	Sun
YR...	06/01/97 - 06/14/97	less than 1446z	13 days	Sat
SK...	06/14/97 - 06/25/97	less than 1605z	11 days	Wed
VU...	06/25/97 - 07/10/97	less than 1258z	15 days or less	Thurs
CV...	07/10/97 - 07/22/97	less than 1410z	12 days	Tue
EH...	07/22/97 - 08/06/97	less than 1306z	15 days or less	Fri
RI...	08/06/97 - 08/18/97	less than 1352z	12 days or less	Mon
WF...	08/18/97 - 08/30/97	less than 1315z	13 days or less	Sat

SN...	08/30/97 - 09/10/97	less than	1305z	11 days or less	Wed
6A...	09/10/97 - 09/24/97	less than	0254z	14 days or less	Wed
HY...	09/24/97 - 10/05/97	less than	1402z	11 days or less	Sun
K3...	10/05/97 - 10/18/97	less than	1329z	13 days or less	Sat
DC...	10/18/97 - 11/08/97	less than	0106z	21 days or less	Sat
FP...	11/08/97 - 11/19/97	less than	0406z	11 days or less	Wed
VT...	11/19/97 - 12/03/97	less than	1444z	14 days or less	Wed
X5...	12/03/97 - 12/12/97		0530z	9 days	Fri
JV...	12/12/97 - 12/21/97	less than	0021z	9 days or less	Sun
C6...	12/21/97 - 12/31/97	less than	0309z	10 days or less	Wed
WR...	12/31/97 - 01/12/98	less than	2320z	12 days or less	Mon
Q5...	01/12/98 - 01/25/98	less than	0635z	13 days or less	Sat
PR...	01/25/98 - 02/06/98	less than	0635z	12 days or less	Fri
DW...	02/06/98 - 02/18/98	less than	0627z	12 days	Wed
3U...	02/18/98 - 03/04/98	less than	0604z	14 days	Wed
LR...	03/04/98 - 03/17/98	less than	2208z	13 days	Tue
E2...	03/17/98 - 04/01/98	less than	0640z	15 days	Wed
H5...	04/01/98 - 04/11/98		1250z	10 days	Sat
HC...	04/23/98 - 05/07/98	less than	0111z	14 days or less	Thu
RK...	05/07/98 - 05/24/98	less than	0312z	17 days or less	Sun
ZG...	05/24/98 - 06/03/98	less than	0531z	10 days or more	Wed
MN...	06/03/98 - 06/13/98	less than	0532z	10 days	Tue
YV...	06/13/98 - 06/24/98		0558z	11 days	Wed
J2...	06/24/98 - 07/06/98		0533z	12 days	Mon
SR...	07/06/98 - 07/16/98		0251z	10 days	Thu
PW...	07/16/98 - 07/25/98		unk	9 days	Sat
Z6...	07/25/98 - 08/07/98	less than	0216z	13 days	Fri
K5...	08/07/98 - 08/23/98		2229z	15 days	Sun
NM...	08/23/98 - 09/06/98		1427z	14 days	Sun
Q3...	09/06/98 - maybe to 10/01/98 (at least 28 Sep)			24 days	

01 Oct 98 demarcation point between 26/20 character EAMs and 30/20 EAMs
(the non-preamble part of the 26-character string grew by 4 characters).

UH...	10/01/98 - 10/22/98	less than	1459z	21 days	Thu
7C...	10/22/98 - 11/13/98		1718z	22 days	Fri
JL...	11/13/98 - 11/27/98		1654z	14 days	Fri
5X...	11/27/98 - 12/13/98	less than	0706z	16 days or less	Sun
22...	12/13/98 - 12/28/98	less than	1512z	15 days or less	Mon
R5...	12/28/98 - 01/11/99	less than	1856z	14 days or less	Mon
DS...	01/11/99 - 01/26/99	less than	0420z	15 days	Tue
QH...	01/26/99 - 02/08/99	less than	0202z	13 days or less	Mon
X0...	02/08/99 - 02/23/99	less than	1452z	15 days or less	Tue
XV...	02/23/99 - 03/10/99		2350z	15 days	Wed
PX...	03/10/99 - 03/30/99		0232z	20 days	Tue
LG...	03/30/99 - 04/15/99		0513z	16 days	Thu
UJ...	04/15/99 - 05/04/99		0404z	19 days or less	Sun
AP...	05/04/99 - 05/21/99		2223z	17 days	Fri

72...	05/21/99 - 06/06/99		1756z	16 days	Sun
XE...	06/06/99 - 06/22/99		0436z	16 days	Tue
2G...	06/22/99 - 07/05/99	less than	0542z	13 days	Mon
W6...	07/05/99 - 07/20/99		2226z	15 days	Tue
L3...	07/20/99 - 08/05/99		2202z	16 days	Thu
4Y...	08/05/99 - 08/22/99		0436z	17 days	Sun
F7...	08/22/99 - 09/04/99		2008z	13 days	Sun
3H...	09/04/99 - 09/20/99		2105z	16 days	Mon
HV...	09/20/99 - 10/01/99	less than	1935z	11 days	Fri
FY...	10/01/99 - 10/20/99		1543z	19 days	Wed
LC...	10/20/99 - 11/10/99		2353z	21 days	Wed
OV...	11/10/99 - 11/27/99		1241z	17 days	Sat
ZO...	11/27/99 - 12/13/99		0641z	16 days	Mon
WN...	12/13/99 - 12/28/99		0801z	15 days	Tue
XA...	12/28/99 - 01/14/00		1750z	17 days	Fri
YF...	01/14/00 - 01/30/00		1633z	16 days	Sun
RH...	01/30/00 - 02/17/00		0804z	18 days	Thu
6O...	02/17/00 - 03/02/00		0143z	14 days	Thu
3Q...	03/02/00 - 03/14/00		0216z	12 days	Tue
WC...	03/14/00 - 03/27/00		0727z	13 days	Mon
WZ...	03/27/00 - 04/06/00		1643z	10 days	Thu
L5...	04/06/00 - 04/21/00		1906z	15 days	Fri
V7...	04/21/00 - 05/08/00		1555z	17 days or less	Mon
LO...	05/08/00 - 05/24/00		1928z	16 days	Wed
BL...	05/24/00 - 06/08/00		0401z	15 days	Thu
GK...	06/08/00 - 06/21/00		1434z	13 days	Wed
DH...	06/21/00 - 07/07/00		1805z	16 days	Fri
NF...	07/07/00 - 07/21/00		2259z	14 days	Fri
GY...	07/21/00 - 08/04/00		1749z	14 days	Fri
IL...	08/04/00 - 08/18/00		1725z	14 days	Fri
XQ...	08/18/00 - 09/03/00		0019z	16 days	Sun
WE...	09/03/00 - 09/18/00		1907z	15 days	Mon
(The WEZ2IE string of 08 Sep 00 contained a "9" - very unusual)					
CP...	09/18/00 - 10/01/00		unk	13 days	Sun

01 Oct 00 marked the demarcation point between 30/20-character EAMs and the 28/22 character EAMs

DU...	10/01/00 - 10/14/00		2214z	13 days	Sat
I3...	10/14/00 - 11/02/00		1933z	19 days	Thu
FZ...	11/02/00 - 11/16/00		0517z	14 days	Thu
IH...	11/16/00 - 12/03/00		1607z	17 days	Sun
MK...	12/03/00 - 12/17/00		0632z	14 days	Sun
NU...	12/17/00 - 01/02/01		unk	16 days	Mon
75...	01/02/01 - 01/14/01		early	12 days	Sun
BZ...	01/14/01 - 01/16/01		BWS?XW	2 days (short)	Tue
BW...	01/16/01 - 01/27/01		0641	11 days	Sat
JY...	01/27/01 - 02/07/01		0304	11 days	Wed
2N...	02/07/01 - 02/19/01		0312	12 days	Mon
V2...	02/19/01 - 03/01/01		1920	10 days	Thu

7K...	03/01/01 - 03/15/01	1435	14 days	Thu
VC...	03/15/01 - 03/31/01	0335	16 days	Sat
TJ...	03/31/01 - 04/13/01	2321	13 days	Fri
2I...	04/13/01 - 04/29/01	0246	16 days	Sat
CH...	04/29/01 - 05/15/01	1505	16 days	Tue
AK...	05/15/01 - 05/31/01	0458	16 days	Thu
DP...	05/31/01 - 06/16/01	0546	16 days	Sat
M5...	06/16/01 - 07/02/01	1739	16 days	Mon
TU...	07/02/01 - 07/16/01	0034	14 days	Mon
XK...	07/16/01 - 07/31/01	1555	15 days	Tue
X7...	07/31/01 - 08/13/01	2234	13 days	Mon
AR...	08/13/01 - 08/27/01	0321	14 days	Mon
3Z...	08/27/01 - 08/28/01	1506	1 day	Tue
VY...	08/28/01 - 09/18/01	0027	21 days	Wed
JW...	09/18/01 - 10/06/01	0729	18 days	Sat
RO...	10/06/01 - 10/21/01	1004	15 days	Sun
GL...	10/21/01 - 11/01/01	2102	10 days	Thu
HF...	11/01/01 - 11/14/01	0134	13 days	Wed
CR...	11/14/01 - 11/27/01	0220-	13 days	Tue
FW...	11/27/01 - 12/06/01	1914	9 days	Thu
MQ...	12/06/01 - 12/20/01	0321	14 days	Thu
I6...	12/20/01 - 01/02/02	2035	13 days	Wed
WW...	01/02/02 - 01/16/02	1600	14 days	Mon
FU...	01/16/02 - 01/26/02	1627	10 days	Sat
70...	01/26/02 - 02/08/02	2027	16 days	Fri
OH...	02/08/02 - 02/23/02	1633	15 days	Sat
R4...	02/23/02 - 03/09/02	0532	14 days	Sat
TW...	03/09/02 - 03/23/02	0400-	14 days	Sat
EF...	03/23/02 - 04/08/02	2025-	16 days	Mon
4N...	04/08/02 - 04/19/02	1906-	11 days	Fri
TG...	04/19/02 - 05/06/02	0400-	17 days	Mon
VO...	05/06/02 - 05/18/02	0648	12 days	Sat
VZ...	05/18/02 - 05/25/02	1348	7 days	Sat
BX...	05/25/02 - 06/15/02	0305	21 days	Fri
HX...	06/16/02 - 06/26/02	1924	10 days	Wed
NW...	06/26/02 - 07/11/02	0403	16 days	Thu
QV...	07/11/02 - 07/24/02	0128	13 days	Wed
SG...	07/24/02 - 08/09/02	0246-	16 days	Fri
37...	08/09/02 - 08/21/02	2128	12 days	Sun
AJ...	08/21/02 - 09/06/02	0542	16 days	Fri
YE...	09/06/02 - 09/18/02	0647	12 days	Wed
VS...	09/18/02 - 10/04/02	2255	16 days	Fri
WJ...	10/04/02 - 10/23/02	23++	19 Days	Mon
PL...	10/23/02 - 11/06/02	2335	14 days	Wed
GS...	11/06/02 - 11/24/02	1620-	18 days	Sun
(GSTV3S on 11/27/02 at 0910z)				
JT...	11/24/02 - 12/11/02	1624	17 days	Wed
A3...	12/11/02 - 12/27/02	1949-	16 days	Fri
Z2...	12/27/02 - 01/08/03	1837	12 day	Wed
NX...	01/08/03 - 01/30/03	0205	22 days	Thu

AX...	01/30/03 - 02/13/03	0112	14 days	Thu
KL...	02/13/03 - 03/01/03	2248-	16 days	Sat
B2...	03/01/03 - 03/14/03	0324	13 days	Fri
JA...	03/14/03 - 03/28/03	0259-	14 days	Fri
WY...	03/28/03 - 04/08/03	1950-	11 days	Tue
CK...	04/08/03 - 04/21/03	2154	13 days	Mon
4X...	04/21/03 - 05/05/03	0447	14 days	Mon
QQ...	05/05/03 - 05/19/03	0155	14 days	Mon
WU...	05/19/03 - 05/30/03	2244	11 days	Fri
FR...	05/30/03 - 06/12/03	0521	13 days	Thu
HB...	06/12/03 - unk			
DM...	07/09/03 - 07/12/03	0219	unk	Sat
XI...	07/12/03 - 07/24/03	2026	14 days	Thu
DK...	07/24/03 - 08/02/03	0445	9 days	Sat
45...	08/02/03 - 08/12/03	1418	10 days	Tue
KR...	08/12/03 - 08/27/03	0529	15 days	Wed
RQ...	08/27/03 - 09/09/03	0708	13 days	Tue
WB...	09/09/03 - 09/21/03	1512	12 days	Sun
LV...	09/21/03 - 10/02/03	unk	11 days	Thu
HH...	10/02/03 - 10/14/03	0542	12 days	Tue
4M...	10/14/03 - 10/28/03	2333	14 days	Tue
QC...	10/28/03 - 11/11/03	0632	14 days	Tue
OY...	11/11/03 - 11/23/03	16##+	12 days	Sun
HA...	11/23/03 - 12/05/03	2100	12 days	Fri
5R...	12/05/03 - 12/18/03	1555	13 days	Thu
HL...	12/18/03 - 01/01/04	1504	14 days	Thu
N6...	01/01/04 - 01/10/04	2232	9 days	Sat
QI...	01/10/04 - 01/20/04	2325	10 days	Tue
5Q...	01/20/04 - 01/28/04	2204	8 days	Wed
DY...	01/28/04 - 02/10/04	0754	13 days	Tue
5Y...	02/10/04 - 02/21/04	1825	11 days	Sat
UT...	02/21/04 - 03/04/04	0535	12 days	Thu
44...	03/04/04 - 03/15/04	2230	11 days	Mon
PY...	03/15/04 - 03/28/04	0205	13 days	Sun
VW...	03/28/04 - 04/07/04	1845	10 days	Wed
7M...	04/07/04 - 04/18/04	0500	11 days	Sun
56...	04/18/04 - 04/27/04	0600-	9 days	Tue
K6...	04/27/04 - 05/06/04	1638	9 days	Thu
2A...	05/06/04 - 05/17/04	2218	11 days	Mon
ZV...	05/17/04 - 05/26/04	0558	9 days	Wed
5K...	05/26/04 - 06/08/04	0133	13 days	Tue
4U...	06/08/04 - 06/21/04	0535	13 days	Mon
W3...	06/21/04 - 07/05/04	unk	14 days+/-	Mon
DR...	07/05/04 - 07/17/04	0340z-	13 days	Sat
7D...	07/17/04 - 07/31/04-	unk	14 days-	Sat
RW...	07/31/04 - 08/17/04	0225	17 days	Tue
DW...	08/17/04 - 09/01/04	2234	15 days	Wed
Q4...	09/01/04 - 09/14/04	1500-	13 days	Tue

Possible dropping of the 22-character EAM strings from the 28/22 character

EAM universe as of 01 Oct 04 if not earlier.

FP...	09/14/04 - 10/01/04	1644	17 days	Fri
X3...	10/01/04 - 10/12/04	0333	11 days	Tue
U6...	10/12/04 - 10/30/04	0044	18 days	Sat
BU...	10/30/04 - ??????			

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7G...	12/23/04???	1631	unk	
FI...	01/02/05???	2203	unk	
63...	01/16/05???	2031	unk	

LA...	02/23/05??		unk (31 in exercise)	
NB...	03/03/05 - 03/18/05	1845	15 days	Fri
23...	03/18/05 - 03/30/05	1737	12 days	Wed
6I...	03/30/05 - 04/15/05	0308	15 days	Fri
SJ...	04/15/05 - 04/28/05	0410	13 days	Thu
V6...	04/28/05 - 05/14/05	1700-	17 days-	Sat
3P...	05/14/05 - 05/27/05	1455	13 days	Fri
5M...	05/27/05 - unk			
NH...	UNK - Active			

PF...	Unk - Active (07/19/05)	2317	unk	Mon
7L...	08/01/05 - 08/21/05	0209	20 day or less	Sun
R6...	08/21/05 -			

GG...				
3Y...	11/02/05 - 11/25/05	0139	23 days	Fri
KI...	11/25/05 - 12/09/05	1550	14 days	Fri
GQ...	12/09/05 - 12/29/05	1559	20 days	Thu
7Y...	12/29/05 - 01/12/06	1546	14 days	Fri
24...	01/12/06 - Active			

With an apparent effective date of 01 October 1996, a new 2-character static series appeared on the GHFS - EAMs that consisted of 6-characters, 20-characters, or, variable character-count lengths, denoted by the static first two characters of the EAM's preamble that are specific to this group. From 01 Oct 96 to 01 Oct 97 these sets were apparently used exclusively for the 20/20 character EAM subsets of 20/20/26 (or the rarer 6/20/26) character EAM sets (usually broadcast over a 10/15 minute period), and they appeared to be used exclusively for the static sets that make up the "FOR.." EAMs, both 20-character and the rare variable character count strings. A common transmission window for 20-character "FOR" EAMs was h+38+/- (the common time slot for "FOR TACAMO... EAMs) between May 96 and Mar 97, and for "FOR [callword]" EAMs from Mar 97).

With an apparent effective date of 01 October 1997, the transmission pattern of these string appeared to go through another transition. Prior to 01 Oct 97 the h+37+/- EAM transmissions "FOR..." callwords (TACAMOs) were 20-characters in length. After 01 Oct 97 these h+38+/- transmissions consisted of 6-character strings (the preamble only). Also, after 01 Oct 97 the distinctive 20/20/26 character EAM sets (with a rarer 6/20/26 pattern) became 6/20/26 sets. It's also possible that the then distinctive "FOR REGION [ALPHA, BRAVO, CHARLIE and/or DELTA]" 20-character EAM transmissions ceased to be heard after 01 Oct 97.

As of 01 October 1998 the 6/20/26 character EAM sets became 6/20/30 character sets.

The following list appears to show that the non 6/20-character "FOR..." EAMs (EAMs that are neither 6 nor 20 characters in length) either ceased or became even rarer than "normal" from Jul 98 onward.

On 20 Mar 99 the GHFS sent the 20-character EAM of a 6/20/30 character EAM set as a "FOR.. EAM (FOR LAUNCH BOAT, POTTER, ADULT MALE). From this point the use of the 20-character string in these 6/20/30 sets as a "FOR.." EAM became "noticeable" in 1999. [The multiple "FOR.." strings are not new but the use of the 20-character string in the 6/20/30 sets for this on a regular basis does seem new to CY 1999 and later].

JN....	10/01/96 - 10/22/96	1841z	21 days	Fri
RY....	10/22/96 - 11/11/96 less than	0620z	20 days or less	Mon
E4....	11/11/96 - 12/06/96 less than	1412z	25 days	Fri
IA....	12/06/96 - 12/24/96	1939z	18 days	Tue
JX....	12/24/96 - 01/14/97 less than	1523z	21 days	Tue
2V...	01/14/97 - 02/04/97 less than	1405z	21 days	Tue
JG...	02/04/97 - 02/22/97 less than	0540z	18 days	Sat
RE...	02/22/97 - 03/13/97	1619z	19 days	Thurs
KT...	03/13/97 - 04/05/97 less than	1527z	22 days or less	Sat
22...	04/05/97 - 04/27/97 less than	1200z	22 days or less	Sun
26...	04/27/97 - 05/22/97 less than	0115z	25 days or less	Thurs
57...	05/22/97 - 06/16/97 less than	1914z	25 days or less	Mon

BL...	06/16/97 - 07/03/97	less than 1603z	17 day or less	Thurs
YG...	07/03/97 - 07/17/97	less than 1232z	14 days	Thurs
SY...	07/17/97 - 08/13/97	less than 2148z	27 days or less	Wed
DO...	08/13/97 - 09/01/97	less than 2102z	19 days or less	Mon
5S...	09/01/97 - 09/20/97	less than 1404z	19 days or less	Sat
T2...	09/20/97 - 10/02/97	less than 1503z	12 days or less	Wed
AV...	10/02/97 - 10/17/97	less than 1835z	15 days or less	Fri
5P...	10/17/97 - 11/14/97	less than 2047z	28 days or less	
EY...	11/14/97 - 11/24/97	less than 1804z	10 days or more	
Y6...	11/24/97 - 12/06/97	less than 1512z	12 days or more	Sat
DU...	12/06/97 - 12/16/97	less than 1755z	10 days or less	
5W...	12/16/97 - 01/14/98	less than 0036z	29 days or less	
BZ...	01/14/98 - 01/28/98	less than 0519z	14-17 days	Wed
4B...	01/28/98 - 02/17/98	less than 1832z	20 days or more	Tue
DH...	02/17/98 - 03/08/98	less than 0514z	19 days+/-	
MW...	03/08/98 - 03/28/98	less than 0606z	20 days+/-	Sat
GY...	03/28/98 - 04/02/98	less than 1923z	5 days+/- (short)	
XQ...	04/02/98 - 04/21/98	less than 1035z	19 days or less	Tue
SW...	04/21/98 - 05/13/98	less than 2030z	22 days or less	Wed
4F...	05/13/98 - 05/18/98	unk 2142z	5 days (unk)	
A5...	05/18/98 - 06/16/98	less than 0440z	29 days or less	Tue
W7...	06/16/98 - 07/06/98	less than 0321z	20 days or less	Mon
SA...	07/06/98 - 07/21/98	less than 0328z	15 days or less	Tue
ZH...	07/21/98 - 08/06/98	0910z	16 days or more	Thu
NB...	08/06/98 - 08/31/98	less than 0141z	25 days or less	Mon
Q6...	08/31/98 - 10/05/98	unk	35 days or less	
WP...	10/05/98 - 11/01/98	less than 1301z	27 days or less	Sun
NJ...	11/01/98 - 11/03/98	less than 0052z	2 days short lived	
J7...	11/03/98 - 12/08/98	less than 0138z	35 days or less	Tue
5M...	12/08/98 - 01/07/99	0120z	30 days	Tue
YC...	01/07/99 - 02/09/99	less than 1648z	33 days or less	Tue
QJ...	02/09/99 - 03/07/99	0743z	26 days	Sun
TH...	03/07/99 - 04/02/99	0238z	26 days	Fri
7Q...	04/02/99 - 04/29/99	2154z	27 days	Thu
77...	04/29/99 - 05/23/99	0024z	24 days	Sun
HR...	05/23/99 - 06/16/99	2335z	24 days	Wed
MS...	06/16/99 - 07/10/99	1813z	24 days	Sat
MZ...	07/10/99 - 08/03/99	2149z	24 days	Sun
EJ...	08/03/99 - 08/22/99	2024z	19 days	Sun
7T...	08/22/99 - 09/09/99	0123z	18 days	Thu
TI...	09/09/99 - 09/25/99	2137z	16 days	Sat
BB...	09/25/99 - 10/01/99	1812z	6 days	Fri
FJ...	10/01/99 - 10/25/99	2139z	24 days	Mon
BD...	10/25/99 - 11/10/99	1941z	16 days	Wed
PE...	11/10/99 - 11/27/99	1700z	17 days	Sat
TD...	11/27/99 - 12/14/99	2129z	17 days	Tue
BY...	12/14/99 - 01/06/00	2216z	23 days	Thu
FI...	01/06/00 - 01/26/00	0630z	20 days	Wed
XH...	01/26/00 - 02/12/00	0705z	17 days	Sat
YG...	02/12/00 - 03/07/00	0149z	24 days	Tue

Z7...	03/07/00 - 03/22/00	1621z	15 days	Wed
NK...	03/22/00 - 04/03/00	0600z	12 days	Mon
OQ...	04/03/00 - 04/24/00	1954z	21 days	Mon
AQ...	04/24/00 - 05/11/00	2303z	17 days	Thu
LK...	05/11/00 - 06/01/00	0158z	21 days	Thu
(XG...	05/30/00 - 05/30/00	2234z	1 day	Tue?)
VL...	06/01/00 - 06/14/00	1937z	13 days	Wed
BP...	06/14/00 - 06/25/00	1453z	11 days	
(CC...	06/16/00 - 06/16/00	1443z	1 day	Fri)
TY...	06/25/00 - 07/12/00	1608z	17 days	Wed
WO...	07/12/00 - 08/01/00	0441z	19 days	Tue
PS...	08/01/00 - 08/18/00	0523z	17 days or less	Fri
CM...	08/18/00 - 09/06/00	0534z	19 days	Wed
OL...	09/06/00 - 09/??/00		unk	
DN...	09/21/00 - 10/01/00	unk	10 days	Sun
GP...	10/01/00 - 10/14/00	1300z+/-	13 days	Sat
XB...	10/14/00 - 10/23/00	2015z-	9 days	Mon
JP...	10/23/00 - 11/05/00	0404z	13 days	Sun
PO...	11/05/00 - 11/09/00	1811z	4 days unusual	Thu
QF...	11/09/00 - 11/28/00	1722z-	19 days	Tue
LX	11/28/00 - 12/11/00	unk	13 days+/-	Mon
FT...	12/11/00 - 01/02/01	1611z	22 days	Tue
KO...	01/02/01 - 01/16/01	unk	14 days	Tue
NN...	01/16/01 - 01/31/01	0313z-	15 days	Wed
GM...	01/31/01 - 02/15/01	1621z-	15 days	Thu
QN...	02/15/01 - 02/28/01	0325z	13 days	Wed
6Y...	02/28/01 - 03/14/01	0151z	14 days	Wed
O5...	03/14/01 - 03/28/01	0104z	14 days	Wed
MG...	03/28/01 - 04/12/01	0000z+	15 days	Thu
LW...	04/12/01 - 04/25/01	0108z	13 days	Thu
U5...	04/25/01 - 05/08/01	0724z	13 days	Tue
GZ...	05/08/01 - 05/24/01	0019z	16 days	Thu
KY...	05/24/01 - 06/07/01	0525z	14 days	Thu
RC...	06/07/01 - 06/18/01	2340	11 days	Tue
TM...	06/18/01 - 07/04/01	0358	16 days	Wed
40...	07/04/01 - 07/18/01	0521	14 days	Wed
V5...	07/18/01 - 08/01/01	0020	14 days	Wed
UP...	08/01/01 - 08/14/01	0042	13 days	Tue
PT...	08/14/01 - 08/25/01	0510	11 days	Sat
TT...	08/25/01 - 09/08/01 (1994 too)	0626	14 days	Sat
RA...	09/08/01 - 09/26/01	0505	18 days	Wed
GF...	09/26/01 - 10/13/01	0157	17 days	Sat
ZB...	10/13/01 - 10/28/01	1121	15 days	Sun
K4...	10/28/01 - 11/01/01	1801-	3 days	Thu
RS...	11/01/01 - 11/12/01	1508-	11 days	Mon
F2...	11/12/01 - 11/26/01	0306	14 days	Mon
YW...	11/26/01 - 12/17/01	0035	21 days	Mon
CJ...	12/17/01 - 01/05/02	2226	19 days	Sat
OS...	01/05/02 - 01/23/02	0309	18 days	Wed
HQ...	01/23/02 - 02/09/02	2324	17 days	Sat

EH...	02/09/02 - 02/25/02	0505	16 days	Mon
BT...	02/25/02 - 03/19/02	0526	21 days	Tue
MF...	03/19/02 - 04/12/02	0151	24 days	Fri
SM...	04/12/02 - 04/30/02	0612	18 days	Tue
3L...	04/30/02 - 05/20/02	0200	20 days	Mon
30...	05/20/02 - 06/05/02	1230+/-	16 days	Wed
ZP...	06/05/02 - 06/25/02	1310-	20 days	Tue
A0...	06/25/02 - 07/18/02	0256	23 days	Thu
3D...	07/18/02 - unk			
unk..	unk - 08/13/02	0543-	unk	Tue
S3...	08/13/02 - 09/06/02	0624	24 days	Fri
3I...	09/06/02 - 09/22/02	1734	16 days	Sun
XT...	09/22/02 - 10/12/02	0024	20 days	Sat
X6	10/12/02 - 10/29/02	2012	17 days	Tue
6E...	10/29/02 - 11/20/02	1658	22 days	Wed
R3...	11/20/02 - 12/03/02	0614	13 days	Tues
J6...	12/03/02 - 12/22/02	1843	19 days	Sun
65...	12/22/02 - 01/13/03	1400+/-	22 days	Mon
EW...	01/13/03 - 01/30/03	1926 -	23 days	Thu
3W...	01/30/03 - 02/12/03	1634-	13 days	Wed
GE...	02/12/03 - 03/01/03	2014-	17 days	Sat
QK...	03/01/03 - 03/13/03	0147	12 days	Thu
5I...	03/13/03 - 03/28/03	0356	15 days	Fri
OB...	03/28/03 - 04/10/03	0601-	13 days	Thu
G3...	04/10/03 - 04/25/03	0345	15 days	Fri
3B...	04/25/03 - 05/06/03	0456	11 days	Tue
GR...	05/06/03 - 05/17/03	0427	11 days	Sat
ED...	05/17/03 - 05/30/03	0557	13 days	Fri
LF...	05/30/03 - 06/14/03	0328	15 days	Sat
HZ...	06/14/03 - Unk			
AY...	07/09/03 - Active		unk	
7R...	07/11/03 - 07/21/03	0138	10 days	Mon
ZX...	07/21/03 - 08/03/03	0351	13 days	Sun
EX...	08/03/03 - 08/16/03	0441	13 days	Sat
Z3...	08/16/03 - 08/26/03	2227	10 days	Tue
LM...	08/26/03 - 08/27/03	0241	.5 days maybe	Wed
2D...	08/27/03 - 09/06/03	0431	10 days	Sat
KU...	09/06/03 - 09/13/03	0436	7 days	Sat
DT...	09/13/03 - 09/22/03	2107	9 days	Mon
ON...	09/22/03 - 10/06/03	2022	14 days	Mon
DE...	10/06/03 - 10/31/03	1543	25 days ?	Fri
OF...	10/31/03 - 11/19/03		19 days	Wed
CW...	11/19/03 - 12/05/03	2117	16 days	Fri
IW...	12/05/03 - 12/23/03	0610+/-	18 days	Tue
MT...	12/23/03 - 01/13/04	0528	21 days	Tue
EB...	01/13/04 - 01/15/04	2250	2 days	Thu
5P...	01/15/04 - 01/29/04	2255	14 days	Thu
B7...	01/29/04 - 02/05/04	1848	7 days	Thu
QG	02/05/04 - 02/17/04	0046	12 days	Tue
TS...	02/17/04 - 03/08/04	unk	20 days	Mon

YM...	03/08/04 - 03/23/04	0511	15 days	Tue
PA...	03/23/04 - 04/02/04	2148	10 days	Fri
JN...	04/02/04 - 04/22/04	0447	20 days	Fri
OT...	04/22/04 - 04/29/04	1435	7 days	Thu
EK...	04/29/04 - 05/15/04	0423	16 days	Sat
4E...	05/15/04 - 05/20/04	0637	5 days	Thu
IJ...	05/20/04 - 06/02/04	0521	13 days or less	Wed
3U...	06/02/04 - 06/03/04	1717	1 day maybe	Thu
CQ...	06/03/04 - 06/19/04	1734	16 days	Sat
CP...	06/19/04 - 07/05/04	0422	16 days	Mon
NC...	07/05/04 - 07/19/04	0439	14 days	Mon
64...	07/19/04 - 08/02/04	0555	14 days	Mon
DH...	08/02/04 - 08/13/04	0442	11 days	Fri
CA...	08/13/04 - 08/30/04	0528	17 days	Mon
J4...	08/30/04 - 09/16/04	1405	17 days	Thu
A5...	09/16/04 - 10/01/04	1603	15 days	Fri
EJ...	10/01/04 - 10/15/04	2326-	14 days	Fri
DI...	10/15/04 - 11/06/04	1703	22 days	Sat
A6...	11/06/04 - ????			

AQ...	12/23/04???	1615-	unk	
04...	01/03/05???	2333-	unk	
DS...	02/24/05???	1500-	unk	
EP...	03/06/05 - 03/19/05	1513	13 days	Sat
Y7...	03/19/05 - 04/03/05	0548	15 days	Sun
Y4...	04/03/05 - 04/22/05	0038	19 days	Fri
C3...	04/22/05 - 05/04/05	2018	12 days	Wed
YT...	05/04/05 - 05/05/05 maybe	0600	1 day	Thu
ML...	05/05/05 - 05/24/05 maybe	1236	19 days	Thu
CV...	05/24/05 - 06/06/05 maybe	2005	13 days	Mon
5C...	06/06/05 -			
QH...				
WA...	10/25/05 - 11/09/05	2058	unk	
DO...	11/09/05 - 11/29/05	1502	10 days	Tue
4K...	11/29/05 - 12/03/05	0600+	4 days	Sat
WO...	12/03/05 - 12/15/05	1719	12 days	Thu
YR...	12/15/05 - 01/04/06	1855	19 days	Wed
XJ...	01/04/06 - 02/01/06	1557	27 days	Wed
KE...	02/01/06 - Active			

Variable character-count EAMs heard in these series (U.S. date convention - mm/dd/yy)

Time (gmt)	Date	Preamble	Character count
1608	10/01/96	JNSV4G	66
1543	10/15/96	JNNGVW	54 (common character count)

1334	10/16/96	JNKC2X	53
1704+	10/22/96	JNJPAY	68
1440	10/23/96	RYFHIZ	92 "For Barncow and Kutch"
1708	10/23/96	RYBOIO	90 "For Barncow and Kutch"
1807	10/23/96	RYUBF4	54 "For Barncow and Kutch"
2022	10/30/96	RYCXMP	61
1403	11/12/96	E4GFMJ	63 "For USS Minneapolis & St. Paul"
2110	11/14/96	E4MPJZ	28
0316	11/22/96	E4DIJK	96 (repeating pattern every 14 characters near end of string)
0611	12/13/96	IAJY7P	54
1336	12/14/96	IAGHKI	56 "For Adure"
1634	12/14/96	IAF3TF	55 "For Adure"
1934	12/14/96	IAPMBB	59 "For Adure" (3 hour cycle)
1507	12/15/96	IA065A	79 "For Mamie & Grunk"
1516	12/18/96	IATH_5	57
1525	12/31/96	JXQIU5	89
1720	01/02/97	JXSZCE	26 (very rare)
1615	01/07/97	JXXWU5	30
1548	01/11/97	JXNNB7	56 ("FOR YOAKUM" - many during day)
2049	01/11/97	JXJYQD	57 ("FOR YOAKUM")
2102	01/20/97	2VLBM7	58 (as per WUN post)
1612	01/22/97	2VQOZ5	66 (FOR DIVE)
1405	02/04/97	JGYMAT	58
1310	02/28/97	REEPHN	68 "FOR BAKE"
2103	03/01/97	RELZVC	48 "FOR BAKE"
1235	03/04/97	REHB4J	48
1507	03/04/97	REHNHG	31 "FOR LAUNDER"
1832	03/12/97	RELINA	22
2135	04/22/97	22WEQR	65
1745+/-	05/16/97	26TSJI	92
1403	06/09/97	57CVNM	31
1452	06/10/97	57NGZO	85
1331	06/21/97	BLHLAD	74 "FOR BANLON" or sounds like
1347	07/01/97	BLJDMA	71
1349	07/01/97	BLSAAQ	34
1834	07/02/97	BLXM4G	31
1533	07/22/97	SYFFPW	42 (MANDATORY on 5705.0)
1404	09/20/97	T2IYAZ	56 "FOR"
2116	09/20/97	T2QOZL	67
1606	10/08/97	AVAYGG	86
1330	10/09/97	AVPVUS	30
1646	10/09/97	AVNJ05	36
1324	10/20/97	5P3CCC	31
1802	10/22/97	5PPKE5	37
2248	10/23/97	5PAGRE	36
0016	11/04/97	5PXDFH	106 During Global Guardian 98
0016	11/04/97	5PDYV4	129 During Global Guardian 98

1955	11/20/97	EYVNKY	62
2350	11/20/97	EYMTOT	89
1804	11/24/97	Y63QEJ	36
1849	12/09/97	DUW3JQ	45
1922	12/09/97	DU53LH	33 (TOPKICK on 17973.0)
1755	12/16/97	5WLXZE	27
1827	01/20/98	BZYNMP	63
2050	01/20/98	BZNBPE	32
1703	01/26/98	BZ7GGJ	36
0209	01/27/98	BZATQI	31
0212	01/27/98	BZUFWP	27
0215	01/27/98	BZIFGW	27
1504	02/02/98	4BLO7I	38
0124	02/25/98	DHO6UN	55
0133	02/25/98	DHO7LI	30
0514	03/08/98	MWWGBP	67
1537	03/16/98	MWFPOQ	38
1923	04/02/98	XQSZDY	82 (LOSTSHOE on 9016.0 & GHFS)
1949	04/02/98	XQ2JIC	53 (LOSTSHOE "FOR USS ASHEVILLE")
0648	04/03/98	XQ3JGA	41
1035	04/21/98	SWMVF4	80
1048	04/21/98	SWVVUR	84 (NET LOSS)
1547	04/22/98	SWMASQ	31
1430	04/24/98	SWFQYB	27
2217	05/13/98	4F76I7	32 (short series?)
1702	05/19/98	A5RMWN	54 (TERRITORY)
1052	06/24/98	W72BF5	40 (Active exercise day...)
1058	06/24/98	W73LLC	43 (E-6B ALCC 1st launch this day)
1352	07/10/98	SAMVVT	26 maybe (FOR BANCROFT)
0836	07/11/98	SALL6C	28
1701	07/17/98	SAJEWB	59 (NIGHTWATCH 01)
1338	07/18/98	SAUXZF	40
1703	08/04/98	ZH23DH	38
0900-	08/06/98	ZH????	32
0910	08/06/98	NBZDSH	30 (MAILMAN)
1349	09/02/98	Q6CKDU	31
0631	09/10/98	Q6BNS2	30
2318	10/14/99	WP5IOV	21
1811	10/15/98	WPSWVD	32
1546	10/20/98	WPBDRT	32
0221	10/21/98	WPJUIC	41
1258	10/31/98	WPWIWC	"normal"20 (FOR EAST COAST TANKERS)
0305	11/11/98	J7247T	40
1726	11/12/98	J7OANY	80 (BASS DRUM)
2022	11/12/98	J7CCBP	39
2220	11/15/98	J7T6HQ	32
1855	12/01/98	J7BHA2	39
1839	12/04/98	J7LUX2	37
1537	12/12/98	5M6KLP	37
1819	12/23/98	5MJF2A	37

1510	12/25/98	5MQAQU	47+/-
1449	01/04/99	5MLVSA	37
0053	01/06/99	5MN2A4	32
1733	01/06/99	5M6I3E	21
0200	01/07/99	YC4JXS	27
0604	01/11/99	YCW0VP	39
0013	01/13/99	YCSYFR	32
1759	01/15/99	YCTZVG	32
2006	01/15/99	YC55F3	31
2312	01/19/99	YCFJLZ	32
0815	01/20/99	YCPWZR	52
2307	01/20/99	YC2KG4	32
2028	01/26/99	YCFORQ	32
0122	01/28/99	YCT5Z0	37
1503	02/04/99	YCT2ID	37
1918	02/09/99	QJICIX	28
2059	02/09/99	QJHDTZ	40
1959	02/12/98	QJ4IUT	28
1804	02/13/99	QJ5GJQ	33
1825	02/22/99	QJVSWH	37
1525	02/23/99	QJBLNP	21
1801	02/25/99	QJFR4S	35
1610	02/28/99	QJSOTU	37
1705	03/06/99	QJWYVW	37
0743	03/07/99	THKUT4	39
1820	03/07/99	TH7JDS	27
1903	03/08/99	THP7B3	37
1748	03/15/99	THPWTI	32
1837	03/15/99	THOCGE	32
2252	03/24/99	THZIFR	28
2108	03/29/99	THOW3J	32
0713	04/02/99	7QY7SE	27 (7Q used in 1995)
1652	04/06/99	7QZ3LV	41
1612	04/09/99	7QTTAX	37
2313	04/16/99	7QGQLH	21
2351	04/16/99	7Q2VBP	21
0202	04/17/99	7QHNTL	37
0618	04/17/99	7QANBY	35
1435	04/18/99	7QHRDB	72
1708	04/25/99	7QTEQA	37+/-
2117	05/04/99	77D3I7	32
2038	05/09/99	77KLXN	52
0145	05/10/99	77JJES	37
2355	05/12/99	77H5KJ	32
1915	05/19/99	77BADF	37
0009	05/20/99	77KVVS	42
0035	05/23/99	77X3HU	32
0734	05/23/99	HRARHF	54
0737	05/23/99	HR0P27	40
2202	05/24/99	HRHRF4	32

0246	05/29/99	HRPOCK	37
0103	06/06/99	HRKPSA	39
0736	06/15/99	HRV66C	34
2350	06/16/99	MSIGXF	31
2343	06/25/99	MSZLR7	28
0713	06/27/99	MSSXIF	37
2104	06/28/99	MSZWHH	40
0018	07/07/99	MSBKG2	32
0055	07/07/99	MSW070	31 (11267.0//8968.0)
1708	07/10/99	MSAAKD	37 (maybe)
1813	07/10/99	MZ5EEA	27
0247	07/14/99	MZDR2Q	33
1703	07/16/99	MZOXYO	37
1944	07/16/99	MZUFW7	48
2158	07/16/99	MZXQYK	28
0008	07/23/99	MZE6ZL	29
1748	07/29/99	MZVQRF	32
1755	07/29/99	MZXTF6	32 (maybe)
0228	08/02/99	MZDDSI	32
0304	08/02/99	MZ5UNK	37
2307	08/02/99	MZ25GP	32
0137	08/04/99	EJCE2F	32
0156	08/11/99	EJJIWK	89
1552	08/11/99	EJSTY2	32
0608	08/12/99	EJ2AVH	31
0810	08/12/99	EJ77FT	27
1932	08/12/99	EJJPVZ	32
0305	08/22/99	EJ6XQE	39
2035	08/22/99	7TZMAP	54
0021	09/01/99	7TZ2RG	39
0003	09/02/99	7TYCWK	53
0354	09/02/99	7TFXAW	27
0507	09/03/99	7TDWOD	27
0706	09/06/99	7T4V4Z	32
2125	09/07/99	7TYM45	32
2200	09/07/99	7TEJF6	28
2203	09/07/99	7T3370	32
0026	09/10/99	TIVMHE	32
0045	09/10/99	TILNVS	28
0611	09/15/99	TIFVTB	27
1549	09/20/99	TIO3KN	21
1500	09/21/99	unk	39+/-
0058	09/23/99	TIBQ3I	21
2313	09/23/99	unk	unk
1500	09/24/99	TIWTC4	39
1614	09/24/99	TIR6NN	22
0429	09/25/99	TIUEIN	47
2137	09/25/99	BBNZJC	21
2155	09/26/99	BBZ057	21
2156	09/26/99	BBJZFX	25

0308	10/02/99	FJPS6V	29
2119	10/04/99	FJ6CF4	32
0704	10/05/99	FJ6R4I	31
1549	10/10/99	FJDLZH	31
0602	10/13/99	FJ466N	29
0712	10/15/99	FJTASI	29
0731	10/17/99	FJFF3Q	33
1423	10/25/99	FJVNQW	32
2139	10/25/99	BDUI35	33
1837	10/27/99	BDKE7B	29
1942	10/27/99	BDJAGI	32 (heard on 13155.0)
0627	11/02/99	BDPNIT	28
1815	11/09/99	BDOTER	32
2041	11/09/99	BD6SRE	32
1941	11/10/99	PEALF5	28
0705	11/16/99	PE2HLN	31
0348	11/19/99	PE3Q7R	29
0704	11/21/99	PE6CTN	33
1924	11/22/99	PEY6WI	32
2034	11/22/99	PEYEPM	28
0646	11/23/99	PEHPSP	33
1811	11/23/99	PEAYHN	29
1700	11/27/99	TDI2PR	29
0234	12/01/99	TDARTE	21
1803	12/01/99	TDKWWY	32
1707	12/02/99	TDUQ7M	29
2004	12/03/99	TDLSFK	28
1002	12/05/99	TDPPSP	29
0302	12/08/99	TD7FHF	29
2350	12/09/99	TDQU5I	21
1704	12/11/99	TDHEZE	29
0306	12/14/99	TDNZSG	31
0123	12/15/99	BYQKCK	31
1625	12/28/99	BYJHJD	31
2248	01/05/00	BYLZUK	21
0254	01/09/00	FIAOQW	31
0634	01/12/00	FIZH4M	31
0703	01/12/00	FIMOYZ	29
2140	01/12/00	FIQXJV	32
0010	01/20/00	FIB53K	25
0401	01/21/00	FILM6M	29
1537	01/24/00	FIQLDE	31
1649	01/24/00	FIXG27	15 (something new)
2302	01/24/00	FI231H	31
0736	01/25/00	FIWS33	31
0643	01/28/00	XH7XNP	31
0402	01/30/00	XH3LZP	29
0225	02/06/00	XHCZXY	40 (ex TELL TALE on 8992.0)
0241	02/06/00	XHBTBX	21 (ex TELL TALE on 8992.0)
0505	02/09/00	XHGTVA	31

2139	02/11/00	XHLF5J	32
2203	02/11/00	XHYAFR	40 (ex FREE HAND on 10204.0)
1623	02/16/00	YGXD4X	25
2026	02/17/00	YGK4VP	21 (ex player on 11244.0)
2352	02/17/00	YGGNY4	15
1536	02/25/00	YG5LJM	15
1917	02/26/00	YGNJBD	28
1718	02/27/00	YGGWL2	31
0502	02/28/00	YG2KOG	31
2215	03/03/00	YGVZXI	32 (and at 0237z 04 Mar 6697.0)
2115	03/05/00	YGGYJM	36
0149	03/07/00	Z73NX2	28
0652	03/07/00	Z7RF60	31
0303	03/11/00	Z7W22J	31
1855	03/13/00	Z76NII	32
2339	03/14/00	Z7QY5X	32
1634	03/17/00	Z764HE	34
2350	03/20/00	Z7ILVB	21
0007	03/21/00	Z7LE7A	32 (probably sent prior to 0000z)
0007	03/21/00	Z7MHBO	32 (probably sent prior to 0000z)
1825	03/22/00	NKNBK5	40 (ex TRANSFIX)
0430	03/24/00	NKDEPC	19 (NKDEOP string less 1 character during exercise)
2042	03/24/00	NK4OHN	32
2007	03/29/00	NKXIP6	32
0302	03/30/00	NK4ZRE	31
1711	04/04/00	OQ3RQV	32
1848	04/05/00	OQC464	21
0605	04/08/00	OQYSSX	31
1724	04/13/00	OQOX3F	34
1911	04/13/00	OQQMAZ	27
0604	04/15/00	OQBPPP	33
0218	04/18/00	OQ3VFH	39
1655	05/04/00	AQFWHI	29
1919	05/08/00	AQ6PWY	21
0202	05/13/00	LK5XVM	31
2338	05/16/00	LKXJFW	21
0016	05/17/00	LKQZI3	29
0744	05/17/00	LKFQEW	21
0605	06/05/00	VLRTQP	31
0026	06/15/00	BP4DRY	14 !!!!
1801	06/18/00	BPTBQB	32
0211	06/19/00	BPC5UC	47
1503	06/21/00	BPTDFQ	15 (since 01 Jan 00)
1527	06/21/00	BPB3X7	34
1712	06/21/00	BPS76L	28
2259	07/23/00	WON4FT	27
2209	08/21/00	CMJTN3	32 (from LAJES on 11244.0)
1938	08/24/00	CMTRY4	38
0548	09/01/00	CMQVRH	30

0201	09/11/00	OLDCMK	31
1913	09/12/00	OL?ZNT	32
0223	10/10/00	GPUD4M	31
1630	10/10/00	GPOM30	21
0131	10/11/00	GPH2P3	31
1710	10/24/00	JP2K47	43
1802	10/24/00	JP6PXU	13 (new)
1548	11/02/00	JPCE40	29
0349	11/04/00	JPYTG0	39
1237	11/15/00	QF0TSX	40 (exercise; cc statement)
1347	11/15/00	QF57KB	21 (exercise; no cc statement)
1512	11/15/00	QFLRKS	32 (exercise; cc statement)
1656	11/15/00	QFJACW	40 (exercise; cc statement)
0701	11/19/00	QFYCTQ	29
2311	11/20/00	QFD3EC	32
1718	11/21/00	QF3X4V	28
2006	11/22/00	QF2MRF	32
0202	11/25/00	QFBWEV	32
1722	11/28/00	LXFTCJ	32
1713	12/02/00	LXYA2S	29
0605	12/03/00	LXXOSA	45
2325	12/06/00	LXDVTC	32
2042	12/12/00	FTHEDA	52
2004	12/13/00	FTRS2Q	46
1934	12/22/00	FTB4VH	32
2211	01/02/01	KO2G34	32
1615	01/03/01	KOF2AV	29
0831	01/15/01	KOZQ05	21
0006	01/19/01	NN7ZAD	21 (no cc statement)
0206	01/19/01	NNNQNV	29 (cc statement)
0353	01/20/01	NNPYZS	27 (no cc statement)
1608	01/23/01	NNDN7D	29 (cc statement)
0233	01/25/01	NNYGZX	21 (no cc statement)
0311	01/27/01	NN7WMO	29 (cc statement)
2028	01/31/01	GMMLRI	32 (cc statement)
1956	02/01/01	GMIMG7	32 (cc statement)
2012	02/07/01	GMAAFQ	40 (long lived on GHFS; cc statement)
0121-	02/08/01	GMCDIR	40 (long lived on GHFS; cc statement)
0121-	02/08/01	GMP3AB	40 (long lived on GHFS; cc statement)
0207	02/08/01	GMM56K	22 (unusual count; no cc statement)
1508	02/08/01	GMXPF7	40
2038	02/11/01	GMP24S	46 (cc statement)
1520	02/13/01	GMZITP	31
0704	02/17/01	QNX52B	46 (cc statement)
1606	02/21/01	QNTQ7K	29
0306	02/25/01	QNN2SS	29 (cc statement)
0245	03/02/01	6Y00M3	24 (no cc statement)
1854	03/03/01	6YFKRD	31
2151	03/05/01	6YDPRW	56 (cc statement)
1705	03/06/01	6Y76A6	33 (cc statement)

0802	03/07/01	6YZKR2	29 (cc statement)
0208	03/11/01	6Y2?S?	29
1947	03/12/01	6YD3JJ	32
0151	03/14/01	05D235	31
1601	03/14/01	05ILV4	56
1856	03/15/01	05EZGB	29 (cc statement)
1401	03/23/01	05TCIJ	29
0556	03/26/01	057QAQ	21 (no cc statement)
0407	04/05/01	MGVUUG	29 (cc statement)
1020	04/11/01	MGQHJX	31 (cc statement)
1823	04/12/01	LW5P5A	32 (cc statement)
0332	04/13/01	LW4WJ	29 (cc statement)
0320	04/15/01	LWPJBT	40 (cc statement)
1507	04/17/01	LWFS4I	58 (cc statement)
0237	04/19/01	LWVCTE	29 (cc statement)
0137	04/25/01	U5VM65	29 (no cc statement)
0218	04/25/01	U5RNSQ	28 (no cc statement) and odd count
0156	04/29/01	U56UIU	25 (no cc statement)
2048	05/05/01	U5GHGE	28/29 (no cc statement)
2132	05/05/01	U573EZ	32 (cc statement)
0238	05/06/01	U5LRV4	42 (cc statement)
0722	05/08/01	U5DSUA	31 (cc statement at beginning)
0348	05/09/01	GZ7NYC	42 (cc statement)
0603	06/08/01	RCVWW	29 (cc statement)
1933	06/11/01	RC7QFJ	32 (cc statement)
0323	06/12/01	RCLZ32	32 (cc statement)
0540	06/16/01	RCHLWA	29 (ex TEST CHORD)
0703	06/17/01	RC574K	35 (cc statement)
1203	06/18/01	RC5H4A	32 (cc statement)
0601	06/18/01	TMEG7J	21 (cc statement)
1711	06/20/01	TMCFEM	46 (cc statement)
0608	06/23/01	TM3BJI	35 (cc statement)
0500	06/24/01	TM2IFJ	32 (cc statement)
2253	06/25/01	TMN4BS	28 (cc statement)
1349	06/27/01	TMYPWX	48 (cc statement) ANDREWS CNCS
1702	06/27/01	TMYDAW	21 (no cc statement) ex GERANIUM
1708	06/27/01	TMYPWX	48 (cc statement) ex GERANIUM
1949	07/17/01	40BBTH	32 (cc statement)
2138	08/04/01	UPNBE7	39 (cc statement)
0114	08/07/01	UP50BT	54 (cc statement)
0145	08/07/01	UP520G	21 (no cc statement)
0436	08/07/01	UPZ3KV	29 (cc statement)
1952	08/20/01	PTUQQ7	32 (no cc statement) ex CASE FLOW
0539	08/25/01	TTRDFZ	21 (no cc statement)
2245	08/29/01	TTMMVX	31 (cc statement)
0200	09/05/01	TTW340	32 (no cc statement) ex NAOC (400hz)
1343	09/10/01	RAMKTN	17 (no cc statement)
1520	09/10/01	RA2PQW	30 (cc statement)
1748	09/10/01	RAN72E	17 (no cc statement)
2300+/-	09/19/01	RAunk	32 (probably a cc statement)

0322	09/24/01	RABD6L	29 (cc statement)
1701	09/24/01	RA3GKA	21 (no cc statement)
0247	09/25/01	RAVFZP	32 (cc statement)
0634	09/28/01	GFWA33	29 (cc statement)
1729	10/05/01	GFRQC3	40 (cc statement ex PIPE STEM)
0617	10/06/01	GFHJLT	29 (cc statement)
1709	10/09/01	GFMI4Y	48 (cc statement)
0450	10/18/01	ZB5ROK	29 (cc statement)
0051	10/20/01	ZBESEI	40 (cc statement)
0113	10/20/01	ZBLKWE	40 (cc statement)
0123	10/20/01	ZBXTGN	40 (cc statement)
1742	10/22/01	ZBTDTD	48 (cc statement)
2042	10/22/01	ZBZBXJ	32 (cc statement)
0226	10/23/01	ZBA4KC	19 (cc statement)
0122	10/26/01	ZBZUS5	29 (cc statement)
2155	10/26/01	ZBG04B	32 (cc statement)
1121	10/28/01	K4....	21 (maybe; or maybe 20)
1647	10/28/01	K44KCT	35 (cc statement)
1715	10/29/01	K4GZMP	62 (cc statement & rebcst by glass)
1734	10/30/01	K43447	21 (no cc statement)
1833	11/02/01	RSYMID	32 (cc statement)
0718	11/04/01	RS3R45	29 (cc statement)
0418	11/07/01	RSFBUX	46 (cc statement)
0101	11/13/01	F2CAAP	21 (no cc statement)
0305	11/13/01	F2UMPG	29 (cc statement)
0229	11/17/01	F2AP4C	21 (no cc statement)
1616	11/17/01	F24TNQ	21 (no cc statement ex MATERIAL)
0722	11/18/01	F22XQJ	21 (cc cc statement)
0613	11/19/01	F2RZEB	21 (no cc statement)
1830	11/28/01	YWI5CK	32 (cc statement)
unk	12/03/01	YW....	44 (cc statement in afternoon)
0726	12/04/01	YWJFPJ	32 (cc statement)
0344	12/05/01	YWEXHV	32 (cc statement)
0346	12/05/01	YWBRAW	29 (cc statement)
0305	12/06/01	YW333S	29 (cc statement)
1907	12/08/01	YWDDYT	32 (cc statement)
2007	12/09/01	YW5B06	31+/- (no cc statement ex PULLOVER)
0703	12/10/01	YWZ6GQ	29 (cc statement)
0717	12/13/01	YWLRR7	40 (cc statement)
2137	12/18/01	CJJDBK	28 (no cc statement)
0228	12/20/01	CJM46W	15 (no cc statement)
2038	12/22/01	CJUOHU	46 (cc statement)
1926	01/11/02	OSTUDN	56 (cc statement)
0529	01/15/02	OSIIFG	64 (cc statement)
1614	01/16/02	OS5GZG	31 (cc statement)
0147	01/17/02	OSLTE6	56 (cc statement)
0202	01/17/02	OSSLPX	21 (no cc statement)
0840	02/06/02	HQSMLB	29 (cc statement)
0255	02/09/02	EHWYJL	29 (cc statement)
0229	02/12/02	EH2CS3	21 (no cc statement)

2343	02/12/02	EHZMOK	56 (cc statement)
1436	02/14/02	EHNWOM	29 (cc statement)
0151	03/15/02	BTLXIG	21 (no cc statement)
1737	03/26/02	MFQ3IY	29 (cc statement)
0137	03/27/02	MFUOKH	21 (no cc statement)
1404	03/27/02	MFFVE6	48 (cc statement) exercise
1425	03/27/02	MFOAQ2	48 (cc statement) exercise
1522	03/27/02	MFU2P7	32 (cc statement) exercise
1744-	03/27/02	MFE403	21 (no cc statement) exercise
2206	03/27/02	MFFVE6	36 (cc statement) exercise subset
0024	03/28/02	MFE4E3	21 (cc state) exercise 5680.0
0037	03/28/02	MFVZPQ	21 (cc state) exercise 5680.0
0051	03/28/02	MFVZPQ	32 (cc statement) exercise 5680.0
0108	03/31/02	MFFL3U	48 (cc statement)
1545	04/05/02	MFY36D	32 (cc statement)
1801	04/08/02	MFJEEX	21 (no cc statement)
2042	04/09/02	MFBA27	28 (no cc statement) ex HAY FEVER
2042	04/09/02	MFVZPQ	28 (no cc statement) ex HAY FEVER
1544	04/10/02	MFAPK6	21 (no cc statement) ex WORN THIN
0126	04/17/02	SMCFTW	21 (no cc statement)
1915	04/18/02	SMJRZS	32 (cc statement)
1637	04/19/02	SMUSSG	31 (cc statement)
0133	04/25/02	SMD7L4	21 (no cc statement)
1754	04/27/02	SMUI04	29 (cc statement)
0610	04/29/02	SM45TJ	29 (cc statement)
0526	05/06/02	3LMILM	21 (no cc statement)
1322	05/11/02	3LIGQP	29 (cc statement)
1558	05/15/02	3L444Q	21 (no cc statement) ex BARE BACK
1758	05/17/02	3LWTLT	32 (cc statement) ex LEGAL FEE
1801	05/17/02	3LLQBV	32 (cc statement) ex LEGAL FEE
1930	05/20/02	30AWJH	32 (cc statement)
1558	05/21/02	30564D	32 (cc statement)
0704	05/26/02	30YS7M	29 (cc statement)
1546	05/27/02	3073YJ	48 (cc statement)
2135	06/01/02	30BSSL	32 (cc statement)
2359	06/03/02	30DTHR	21 (no cc statement)
0130	06/04/02	30JQWD	21 (no cc statement)
2241	06/05/02	ZPM3NT	23 (no cc statement)
1807	06/08/02	ZP7WYM	32 (no cc statement from player)
2031	06/08/02	ZPVFEM	32 (cc statement)
0608	06/09/02	ZPHBNI	31 (cc statement)
1638	06/10/02	ZPUZBW	32 (cc statement)
0429	06/11/02	ZPVEY6	29 (cc statement)
1459	06/17/02	ZPFW35	29 (cc statement)
1940	06/18/02	ZPL55S	28/29 (no cc statement)
1756	06/26/02	A037S4	15 (no cc statement)
0539	07/07/02	A04XTC	29 (cc statement)
0638	07/19/02	3DH24K	29 (cc statement)
2326	08/23/02	S3HUR4	32 (cc statement)
0635	08/26/02	S3AUSZ	29 (cc statement)

1320-	08/27/02	S37GUW	46 (cc statement)
0710	09/10/02	3IY4NS	29 (cc statement)
2210	09/14/02	3IENKV	40 (cc statement)
2225	09/14/02	3IUQSX	21 (no cc statement)
2225	09/14/02	3IYYRB	21 (no cc statement)
2044	09/17/02	3I2NWO	32 (cc statement ex GREEN SKY)
0647	09/18/02	3I4SW4	33 (cc statement)
1941	09/21/02	unk	29 (cc statement)
1750	09/22/02	XT3ROB	32 (cc statement ex Europe)
1755	09/22/02	XT3XU6	32 (cc statement ex Europe)
1814	09/22/02	XTAVTZ	15 (no cc statement)
2311	09/22/02	XTKV52	29 (cc statement)
0416	09/29/02	XTIEQW	29 (cc statement)
2053	10/03/02	XTKWQE	32 (no cc statement from RELATION)
1511	10/09/02	XTPIGH	39 (cc statement)
0229	10/11/02	XT????	21 (no cc statement)
2058	10/15/02	X66KMX	32 (cc statement)
0248	10/16/02	X6UMBH	21 (no cc statement)
0128	10/17/02	X64FI2	21 (no cc statement)
0222	10/17/02	X6EKZH	21 (no cc statement)
0336	10/20/02	X6M5NH	29 (cc statement)
2012	10/29/02	6EB32I	29 (cc statement)
2155	11/04/02	6E4XE3	32 (cc statement)
0614	11/05/02	6ECD7X	32 (cc statement)
2018	11/05/02	6EYLK7	28 (no cc statement)
2343	11/06/02	6EGAP4	29 (cc statement)
2000-	11/11/02	6EOKCS	32 (cc statement)
1500-	11/13/02	6E3YII	32 (cc statement)
1830-	11/13/02	6EKMZI	40 (cc statement; rebcast)
2150	11/13/02	6EF3YE	46 (cc statement; rebcast)
2000-	11/14/02	6EBNR5	28 (no cc statement)
0546	11/15/02	6EPAFE	14 (no cc statement)
0805	11/15/02	6EDAZB	29 (cc statement)
1658	11/20/02	R3DBTL	32 (cc statement JEWELBOX; GC03)
1752	11/22/02	R3HXMC	32 (cc statement)
1756	11/22/02	R3DA6G	32 (cc statement)
1650	11/24/02	R3CCBM	21 (no cc statement)
0154	11/26/02	R3QC7X	21 (no cc statement)
0157	11/26/02	R3J0VA	21 (no cc statement)
0151	12/04/02	J6K5PD	32 (cc statement)
0155	12/04/02	J62XZL	32 (cc statement)
0203	12/04/02	J6PQQR	21 (no cc statement)
0651	12/07/02	J6ZQUX	27 (no cc statement)
1615	12/17/02	J6TGAW	21 (no cc statement)
unk	12/17/02`	J67C3S	48 (cc statement)
2104	12/17/02	J6VCNE	32 (cc statement)
unk	01/12/03	65....	32 (cc statement)
1730	01/13/03	EW34ES	48 (cc statement)
0806	01/14/03	EWGJDP	28 (no cc statement; maybe 27)
1719	01/14/03	EWYYTE	25 (no cc statement)

2017	01/14/03	EWZRG3	15 (no cc statement)
0228	01/15/03	EW2??S	37 (cc statement)
1505	01/16/03	EWYU47	15 (no cc statement)
1510	01/16/03	EWVT25	32 (cc statement)
1936	01/21/03	EW4HAE	25 (no cc statement)
2008	01/21/03	EWGD32	32 (cc statement)
2205	01/27/03	EWG7EC	32 (cc statement)
0149	01/28/03	EWPYAD	32 (cc statement)
1600-	01/28/03	EW42RC	45 (cc statement)
0244	02/06/03	3WJXKZ	21 (no cc statement; maybe 2nd)
0239	02/23/03	GEMTOD	32 (cc statement)
1512	02/27/03	GE3WCO	33+/- (not noted)
0444	03/06/03	QKOBJI	44 (cc statement)
1953	03/06/03	QKQSTC	49 (cc statement)
0704	03/13/03	5IBRFJ	34 (cc statement)
0745	03/28/03	OB7?J4	42 (cc statement)
1657	04/02/03	OBBCX2	33 (cc statement)
0648	04/05/03	OBFKBQ	21 (no cc statement)
0425	04/09/03	OBH2W0	39 (cc statement)
0428	04/16/03	G322K?	39 (cc statement)
0424	04/22/03	G3B04T	39 (cc statement)
0345	04/25/03	3B5MYW	25 (no cc statement)
0207	05/06/03	3BULR4	55 (cc statement ex DAYS END)
0456	05/06/03	GRTDII	39 (cc statement; TACAMO exercise)
1850	05/06/03	GRBZN7	47 (cc statement; TACAMO exercise)
0637	05/07/03	GRR07D	39 (cc statement; TACAMO exercise)
0646	05/17/03	ED...D	25 (+/-; no cc statement)
2230-	05/21/03	EDMRC3	47 (cc statement)
2230-	05/21/03	EDC7SS	47 (cc statement)
0212	05/22/03	EDBP3R	43 (cc statement)
0315-	05/22/03	EDCW2M	47 (cc statement)
0328	06/14/03	HZJUMI	44 (cc statement)
2346	06/23/03	HZUWDC	21 (no cc statement)
0138	07/21/03	ZXR4SN	34 (cc statement)
0115	07/29/03	ZXXUQ0	55 (cc statement)
1706	07/31/03	ZXNW6G	29 (cc statement)
0441	08/16/03	Z3PRK3	28 (no cc statement)
0645	08/17/03	Z3....	28 (or less; no cc statement)
1523	08/24/03	Z3G4??	52+/- (no cc statement)
1959	08/24/03	Z3MV?D	15+/- (no cc statement)
2046	09/08/03	KUBOB2	55 (cc statement)
1651	09/09/03	KUNHDY	15 (cc statement)
1507	09/14/03	DTUG3R	37 (cc statement)
1345	09/22/03	DTLL2J	55 (cc statement)
1407	09/23/03	ONTYDL	55 (cc statement)
2236	09/23/03	ONBIKA	43 (cc statement)
2107	10/02/03	ONMLRY	40 (cc statement)
1305+/-	10/20/03	DE....	31 (cc statement)
0940	10/31/03	OFMSTW	15 (cc statement via UHF exercise)
1915	10/31/03	OFHE65	16 (no cc statement via UHF exerc)

2046	11/15/03	R7BRAA	16 (no cc statement) Maybe not here
1425	11/19/03	CWB6NL	45 (cc statement) exercise
1425	11/19/03	CWOFUN	45 (cc statement) exercise
1518	11/19/03	BWH2PB	45 (cc statement) OFFUTT (BW..)
1525	11/19/03	CWH2PB	45 (cc statement) SLED DOG (CW..)
1953	11/19/03	CWNUVH	21 (no cc statement) player exercise
1953	11/19/03	CWPHYX	21 (no cc statement) player exercise
2336	11/20/03	CWNAHU	27 (no cc statement)
2138	11/22/03	CW5PSW	55 (cc statement)
0835	11/24/03	CW....	27 (no cc statement)
1508	11/30/03	CWCF0X	27 (no cc statement)
2117	12/05/03	IWBQ07	27 (no cc statement)
1618	12/08/03	IWFT37	27 (no cc statement)
1548	12/11/03	IW????	27 (maybe)
0833	12/14/03	IW7H2M	27 (no cc statement)
0700+/-	12/17/03	IWQGXM	27 (no cc statement)
1817	12/26/03	MTPYX5	24 (no cc statement)
1733	01/09/04	MT4S36	39 (cc statement ex POST CARD)
1744	01/09/04	MTTHNZ	39 (cc statement ex POST CARD)
0139	01/11/04	MTSD77	45 (cc statement)
2250	01/15/04	5PZBC7	36 (cc statement)
1705	01/18/04	5P5CTJ	27 (no cc statement)
1625	01/19/04	5PD6AM	15 (no cc statement)
2346	01/20/04	5PIWR2	21 (no cc statement)
1628	01/23/04	5PMOWH	31 (no cc statement)
2255	01/29/04	B7MTYF	38 (cc statement)
0135	02/09/04	QG?ILR	27 (no cc statement)
2223	02/25/04	TS7SH2	47 (cc statement)
2300	02/25/04	TSCGKY	47 (cc statement; sent before TS7SH2)
0009	02/26/04	TSLBHU	35 (cc statement)
0212	02/26/04	TSXGCU	21 (no cc statement)
1650	03/17/04	YM36VI	15 (no cc statement)
1735	03/18/04	YMW5BV	26 (no cc statement)
0729	04/01/04	PAFRA3	45 (cc statement)
0613	04/23/04	OT3YNQ	54 (cc statement)
1638	05/03/04	EKGR47	39 (cc statement)
0408	05/12/04	EKGGVC	35 (cc statement)
1717	06/03/04	CQRUOE	38 (cc statement)
2135	06/22/04	CP...	35 (cc statement)
0555	08/02/04	DHEOJ2	19 (no cc statement)
1615-	08/02/04	DHN53P	65 (cc statement)
1356	08/03/04	DH5RIO	65 (cc statement)
2032	08/16/04	CA??CQ	35 (cc statement; weak/ur)
0208	08/20/04	CA3KQ6	47 (cc statement)
0654	08/20/04	CACQNU	45 (cc statement)
2203	09/16/04	A5BFEG	47 (cc statement)
1528	09/26/04	A5ADBZ	26 (no cc statement)
0438	09/29/04	A5CWWD	39 (cc statement)
0438	09/29/04	A5PBWP	39 (cc statement)
2119	10/04/04	EJEIXN	119 (cc statement) unusual length

0533	10/05/04	EJGUY	53 (cc statement)
0551	10/05/04	EJQ5Y6	53 (cc statement)
1936	10/07/04	EJMG6L	27 (no cc statement)
0635	11/04/04	DI46YT	53 (cc statement)
1615	12/23/04	AQ0QKJ	27 (no cc statement)
0334	01/05/05	04....	26+/- (no cc statement)
1500-	02/24/05	DSQXCQ	47 (cc statement)
1630-	02/24/05	DSJOQL	47 (cc statement)
1900	02/24/05	DSU4GE	31 (cc statement)
1703	04/08/05	Y4ZPTF	43 (cc statement)
1843	04/13/05	Y42FIC	45 (cc statement)
1802	04/14/05	unk	40 (cc statement)
0548	04/15/05	Y4TVIJ	47 (cc statement)
2018	05/04/05	YTOPCM	21 (no cc statement)
1920	05/14/05	MLGERC	27 (no cc statement)
1236	05/26/05	CVDUSJ	45 (cc statement)
1243	05/26/05	CVLQMQ	45 (cc statement)
1308	05/26/05	CVTHQD	45 (cc statement)
1510	06/12/05	5CXBDS	251 (cc statement) unusual length
1733	10/25/05	QHQCZCJ	107 (cc statement)
1649	10/26/05	WA7AVO	35 (cc statement)
1459	11/09/05	DO7QRE	35 (cc statement)
0130	11/10/05	DODD2S	45 (cc statement) BAREHAND
0140	11/10/05	DOQKK6	45 (cc statement) BAREHAND
1530	12/05/05	WOTEJD	107 (cc statement)
1833	12/07/05	WOUCBH	27 (no cc statement)
1824	12/15/05	YRKCTK	27 (no cc statement)
1849	01/05/06	XJRQCD	48 (cc statement)
1804	01/15/06	XJV26V	44 (cc statement)
1733	01/16/06	XJ23DY	27 (no cc statement)
0103	01/18/06	XJZL26	32 (cc statement)
0140	01/18/06	XJ3UQH	21 (no cc statement)
0159	01/18/06	XJVLVI	21 (no cc statement)
1557	02/01/06	KESECN	33 (cc statement) EU exercise?
1912	02/01/06	KER7JV	54 (cc statement) EU exercise?
1503	02/02/06	KE2577	27 (no cc statement) EU exercise?

(cc = character count. Character count statements are used for strings 29 characters and longer.)

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20-character "FOR..." EAMs found in 6/20/30 character EAM sets in CY 1999 and later. This list does not cover the common 6-character "FOR..." EAMs.

0133	01/02/99	SMLB4T	20 "FOR CANDY MAKER, CORN POPPY, AND IMPULSE (tentative)
1925	02/04/99	YC6DX6	20 "FOR CEMENT; FOR CAREER WIN; FOR

			ASCENDENT (or sounds like). Tentative.
2320	03/12/99	THFH3A	20 "FOR TIP TOE" (tentative).
1544	03/20/99	THGP5H	20 "FOR LAUNCH BOAT, POTTER, ADULT MALE"
2301	04/06/99	7QPIYR	20 "FOR BIG TREE"
0625	04/22/99	7QM4WB	20 "FOR TIN FOIL, REACTOR, MORLEY, SEA MOSS SOCIETY, TUCKER"
0626	04/28/99	7QJT3W	20 "FOR DOG BONE"
0619	05/06/99	77J4WK	20 "FOR RATIFICATION"
0446	06/01/99	HRAUR7	20 "FOR RED BIRD AND COOL AIR"
0209	06/16/99	HRNQB2	20 "FOR RAINBOW AND UNDULATE"
0807	07/23/99	MZW4JK	20 "FOR RAIN DANCER, BEAUTIFY AND BASE PAY"
2314	08/04/99	EJSBNL	20 "FOR WOVEN BASKET"
1529	08/19/99	EJYIWB	20 "FOR BETWEEN" (sounds like) Tentative
1308	08/30/99	7TRTHT	20 "FOR GRIZZLY" (+ 6 character)
1303	09/02/99	7T5TZU	20 "FOR GRIZZLY" (+ 6 character)
1430	09/04/99	7TUEZR	20 "FOR TAPPET" (or TAP IT)
0614	09/06/99	7TYKOK	20 "FOR POPULAR"
2351	09/23/99	TIXFYJ	20 "FOR BIG MAC AND [FANTA or unk]"
1614	09/24/99	TI2XXM	20 "FOR DOG LEG"
0604	10/17/99	FJN00B	20 "FOR PURCELL"
1901	10/26/99	BDF6TR	20 "FOR NEGLECT (maybe); _____; _____; DIRTY DIAPER; PONY EXPRESS; CATERER (maybe); LARGE PAPER; _____; _____; GO/GROW FAST(maybe); CALAMINE (maybe); _____"
0044	11/02/99	BDTED6	20 "FOR HUSKER" 6/20/30.
2215	11/08/99	BDNHBS	20 "FOR BIGNESS; MUSEUM; DRIED APPLE; BATON TWIRLER"
1708	11/23/99	PELDMG	20 "FOR SUN DEW; FOR ENORMITY"
0650	12/06/99	TDWFPV	20 "FOR DYNATRON"
0045	12/07/99	TDRLDC	20 "FOR DOGMATIC"
0301	12/17/99	BYQYBH	20 "FOR TICKLE"
0631	12/18/99	BYRVN7	20 "FOR ROCKY ROAD; FOR RARE PORT; FOR TICKLE; FOR AMBROSIA"
0623	12/22/99	BYTAA4	20 "FOR OVERLAY"
1513	12/29/99	BYTSOM	20 "FOR ROADWAY"
0202	01/06/00	BYESG4	20 "FOR BAVARIA"
1941	01/12/00	FILQI2	20 "FOR BREATHE DEEP AND PRETEND"
0629	01/15/00	FIEUJ4	20 "FOR ALMOND GREEN"
0719	01/16/00	FIOCDO	20 "FOR SUN DEW"
2333	01/16/00	FI5AY3	20 "FOR SKIPPY, PUNTER, PRINT HAMMER"
0045	01/17/00	FIDRPY	20 "FOR SKIPPY, PUNTER, PRINT HAMMER"
0656	01/24/00	FISHDO	20 "FOR LOUT"
1648	01/27/00	XHUKNT	20 "FOR TUG"
0142	02/01/00	XHPECQ	20 "FOR PEORIA"
0454	02/07/00	XHISRM	20 "FOR COUNTRY MUSIC"

1538	02/08/00	XHAKMO	20	"FOR COUNTRY MUSIC"
0218	02/10/00	XHNQG2	20	"FOR ENTHUSIASM AND CROWD PLEASER"
0615	02/11/00	XHGGZ7	20	"FOR SYCAMORE TREE"
0643	02/16/00	YGRJ5Q	20	"FOR DUSTY GOLD"
0214	02/23/00	YGHFZJ	20	"FOR GARAGE AND SALUTE"
1514	02/25/00	YGGF2S	20	"FOR EMOTION"
0400	02/28/00	YGDRX5	20	"FOR SAMMY"
0138	03/02/00	YGFZKK	20	"FOR ZITHER" (zee ther)
0324	03/03/00	YG4IKH	20	"FOR TIT MOUSE"
0636	03/06/00	YGFAIY	20	"FOR STARRY"
0224	03/07/00	Z7X4GE	20	"FOR ANYHOW"
0637	03/07/00	Z7BQCJ	20	"FOR ANYHOW"
0547	03/08/00	Z74JT4	20	"FOR JUNCTURE"
0713	03/11/00	Z7A7TO	20	"FOR SURF BOARD"
0220	03/14/00	Z7UIDR	20	"FOR DAY DREAMER"
0707	03/21/00	Z7RZZ6	20	"FOR RELIEF PITCHER"
0216	03/23/00	NKMTIF	20	"FOR DIALUP" (or DOLLUP)
0843	03/24/00	NKX3HG	20	"FOR SCHOOL"
0721	03/26/00	NKTIIO	20	"FOR TENEMENT"
0234	03/30/00	NK4ZRE	20	"FOR QUITE"
0652	03/30/00	NKPNUT	20	"FOR GRANDMA"
0659	03/30/00	NKQOSS	20	"FOR SUNBURST"
0052	04/05/00	OQ2L37	20	"FOR SEQUEL"
1549	04/12/00	OQ6D5N	20	"FOR JEWELER"
0618	04/25/00	AQJ6DS	20	"FOR FENCE BUSTER"
0702	04/27/00	AQEBUK	20	"FOR AMBER LIGHT"
0706	04/28/00	AQNLVY	20	"FOR AMBER LIGHT AND SETTLE"
1818	04/28/00	AQZMSO	20	"FOR AMBER LIGHT"
0542	04/30/00	AQVTBQ	20	"FOR SALOON"
1708	04/30/00	AQYBZD	20	"FOR CONTACT LENS"
0634	05/05/00	AQTSGV	20	"FOR YULE TREE"
0446	05/06/00	AQR2RP	20	"FOR YULE TREE"
0447	05/08/00	AQBPBM	20	"FOR SEQUEL"
1927	05/10/00	AQTR67	20	"FOR FALSE ALARM, STORM TROOPER, LUCKY DEBONAIR, FIRM GROUND, [AARDVARK or sounds like], POOL CHECK, WHEEL BARREL"
2303	05/11/00	LKFP4J	20	"FOR NIGHT STALKER, PRINCE CHARMING"
0040	05/13/00	LKFX6U	20	"FOR ENDORSE"
0229	05/20/00	LKMFIQ	20	"FOR NEWCOMER"
0744	05/21/00	LKLPF7	20	"FOR TORCH BEARER"
1605	06/05/00	VL?D??	20	"FOR QUINTS" (poor propagation)
0205	06/07/00	VLXRK	20	"FOR RAMONA"
1602	06/14/00	VLTSMW	20	"FOR POLLY"
0134	06/17/00	BP30GA	20	"FOR LULABYE LANE"
1249	06/22/00	BPAXFX	20	"FOR (sounds like HIT)"
1619	06/22/00	BPOWAK	20	"FOR (sounds like HUSKER)"
0557	06/26/00	TYYFQJ	20	"FOR WATER FAUCET"

0058	06/27/00	TYSEBZ	20	"FOR BOUNCE BACK"
2259	06/30/00	TY3WIK	20	"FOR PARIS"
2237	07/07/00	TYXZYZ	20	"FOR (sounded like "air reous"))"
0532	07/10/00	TYF3K7	20	"FOR DAIRY CASE"
0330	07/14/00	WODPI5	20	"FOR VEXATION"
1507	07/21/00	WOX2FT	20	"FOR BANK RIDER"
0441	08/01/00	PSR5ZQ	20	"FOR QUAKING ASPEN"
0040	08/03/00	PSWYZC	20	"FOR SAND POINT"
0648	08/05/00	PSNQXH	20	"FOR SINGLE HIT"
2216	08/10/00	PS5I3F	20	"FOR QUAKER"
2101	08/14/00	PSMSHL	20	"FOR [unk]"
0431	08/24/00	CMDNXR	20	"FOR LOOSE BALL"
0644	08/27/00	CM7L7G	20	"FOR JAZZ COMBO"
2220	08/28/00	CM5D3H	20	"FOR SIGNIT" (or sounds like)
0638	08/31/00	CMLHF3	20	"FOR SIX AMP"
1635	09/03/00	CMXUI4	20	"FOR TELLERS"
0401	09/08/00	OLCN67	20	"FOR TORN SIGN; DISPUTE"
2108	09/09/00	OL5K22	20	"FOR ISSUE" (+ 6 "FOR ISSUE")
0209	09/10/00	OL02G4	20	"FOR SHOWER BATH"
0452	09/26/00	DNOABD	20	"FOR LASHER"
0457	10/07/00	GPD MX2	20	"FOR REGION A and REGION C"
0531	10/12/00	GPVCL5	20	"FOR REGION ALPHA AND CHARLIE"
1806	10/14/00	XBDDSH	20	"FOR REGION C; FOR REGION DELTA"
1718	10/15/00	XB2AFP	20	"FOR OLGA"
2230+	10/19/00	XBZROY	20	"FOR REGION ALPHA AND CHARLIE"
1441	10/24/00	JPTEKX	20	"FOR ACCOMPANY, IMPORTANT, CREDIT UNION, BASKET BALL"
1727	10/24/00	JPJSOQ	20	"FOR IMPORTANT, ACCOMPANY"
1759	10/24/00	JPERFT	20	"FOR BONUS SIZE, REFUEL, BETTER TALENT"
2327	10/27/00	JPGYCF	20	"FOR WATER FOUNTAIN"
0233	11/04/00	JPV3S4	13	"FOR REGION DELTA" (note count)
0635	11/15/00	QFT2A7	20	"FOR REGION CHARLIE; REGION DELTA"
0623	11/26/00	QFA6NM	20	"FOR BONE TEAK" (sounds like)
0228	11/27/00	QFIKMS	20	"FOR DOUBLE DEALER"
0531	11/27/00	QFJKI2	20	"FOR DOUBLE DEALER"
0630	11/30/00	LXFLUF	20	"FOR RENTER"
0151	12/02/00	LXU30U	20	"FOR SHACKLEFORD"
1752	12/02/00	LX7BMZ	10	"FOR SHACKLEFORD"
0532	12/02/00	LXMIKD	20	"FOR REGION ALPHA AND CHARLIE"
0221	12/04/00	LXOZNK	20	"FOR MENTHOL"
0828	12/08/00	LX4VVJ	20	"FOR EXAULTED OPINION"
0831	12/08/00	LXKUG6	20	"FOR ABDUCTION"
2259	12/13/00	FTYSYD	20	"FOR BIG BURLY"
0624	01/05/01	KOSURT	20	"FOR REGION ALPHA, REGION CHARLIE"
0625	01/08/01	KOXBKP	20	"FOR BRIBERY"
0524	01/16/01	KO3YOS	20	"FOR REGION BRAVO, REGION CHARLIE"
1746	01/16/01	NNQMYV	20	"FOR...[two words; echo/muffled]"
0510	01/25/01	NN604N	20	"FOR REGION ALPHA AND CHARLIE"
0124	01/26/01	NNOVBJ	20	"FOR REGION ALPHA"

1531	01/26/01	NNVVZO	20	"FOR STATELY; FOR PARENT"
2319	01/26/01	NNTBKZ	20	"FOR QUARTERBACK"
0314	02/02/01	GMKBBT	20	"FOR REGION CHARLIE"
0715	02/02/01	GMH5WI	20	"FOR (MILL HOUSE or?)"
0235	02/04/01	GM776E	20	"FOR REGION CHARLIE"
1648	02/04/01	GMMM24	20	"FOR REGION CHARLIE"
1624	02/06/01	GM2WU6	20	"FOR [DAY FUSE or ?]"
0222	02/13/01	GMSQ6J	20	"FOR REGION ALPHA AND CHARLIE"
1529	02/18/01	QNDA7N	20	"FOR REGION ALPHA AND CHARLIE"
0627	02/26/01	QNYL4K	20	"FOR [SELTZER]"
1923	03/05/01	6YPRSZ	20	"FOR REDEEMER AND [unk]"
1907	03/09/01	6YAJBL	20	"FOR RATTAN AND SKIMPY"
0640	03/18/01	05CCY2	20	"FOR REGION ALPHA, CHARLIE, DELTA"
0127	03/20/01	05SE35	20	"FOR GRANDMOTHER"
0041	03/21/01	05LILK	20	"FOR DEFENSIVE PLAY"
0631	03/26/01	05DW66	20	"FOR REGION A; FOR REGION D"
0216	04/12/01	MGNBBB	20	"FOR REGION DELTA"
0119	04/26/01	U5VCRW	20	"FOR BOTTLE CAP" (earlier 6)
0132	05/08/01	U5FSOT	20	"FOR LITTLE LEAGUE" (earlier 6)
0201	05/08/01	U5V4KJ	20	"FOR REGION CHARLIE & REG DELTA"
0437	05/14/01	GZBXRR	20	"FOR CRACKER BOX"
0548	05/20/01	GZHWUW	20	"FOR RETAIL PRICE"
0702	06/12/01	RCPDUZ	20	"FOR SHADRACK"
0540	06/16/01	RCL5RU	20	"FOR AVOCATE"
0454	06/17/01	RCK4C2	20	"FOR HAPPY"
0609	06/19/01	TM3WAD	20	"FOR CELLMATE"
1728	06/20/01	TMOHRX	20	"FOR (SWISS CAKE) or ?"
1524	07/17/01	40G3ZB	20	"FOR _____PLATE"
0223	07/22/01	V5HQIW	20	"FOR HONEST FACE"
0537	07/28/01	V52DOD	20	"FOR BUSH RANGER"
0319	08/02/01	UPBEQP	20	"FOR EUGENE"
2251	08/04/01	UPYNVK	20	"FOR FORTIFIED"
0525	08/08/01	UPCZZ3	20	"FOR REGION ALPHA"
0645	08/21/01	PTD5PE	20	"FOR [FRISCO ROSE/ROAD or ?]"
0058	08/26/01	TTSZZS	20	"FOR SPEEDY RACER"
0142	08/30/01	TTBAF3	20	"FOR PATHWAY"
0216	09/05/01	TTZX5A	6	"FOR REGION CHARLIE"*****
0026	09/05/01	TTFEWF	20	"FOR OVATION"
0816	09/15/01	RAQQDF	20	"FOR WEATHERBY" (or sounds like)
0159	09/20/01	RAV4GY	20	"FOR REMIT PAYMENT"
0044	09/21/01	RA5HJZ	20	"FOR TIME KEEPER"
0144	09/22/01	RANRHR	20	"FOR BASIC TRAINING"
0530	09/24/01	RATEE3	20	"FOR MASHER"
2308	09/26/01	GFYG33	20	"FOR SAM CAN AND COLLIE"
0559	09/27/01	GFDCDB	20	"FOR SKIPPY"
23?7	09/28/01	GFI50R	20	"FOR LOG JAM"
0640	09/30/01	GFHFG2	20	"FOR ROBBERY"
2353	10/05/01	GFYKN3	20	"FOR REGION ALPHA (FOR PR ALPHA)"
0153	10/09/01	GFOM4Y	20	"FOR KID SKIN GLOVE"
0124	10/10/01	GF3W24	20	"FOR KID SKIN GLOVE"

0138	10/12/01	GFDZUX	20	"FOR "AFLOY"" (?)
0543	10/12/01	GH3C34	20	"FOR "AKLOY"" (?)
0429	10/15/01	ZBCRHE	20	"FOR WEAVER"
1457	10/21/01	ZBX3QI	20	"FOR TRAPPED BALL"
0150	10/24/01	ZBLNGS	20	"FOR MAYBERRY)
0534	10/24/01	ZBVGFH	20	"FOR AMERICAN BOY"
xx26	10/26/01	ZBSFGJ	20	"FOR NEW ESCAPE"
1638	10/28/01	K40ONU	20	"FOR [REAL ESTATE or ?]"
0132	11/02/01	RSFFFG	20	"FOR [DEGAS or ?]"
0232	11/03/01	RSOYCN	20	"FOR FIGHTING STANCE"
0247	11/12/01	RS5H47	20	"FOR STATE LINE"
0624	11/12/01	RSEQ68	20	"FOR TRUE AIMER"
0747	11/17/01	F2Q3GX	20	"FOR CRYSTAL SOCKET"
1549	11/17/01	F2QRAT	20	"FOR XMAS STOCKING" (bet xtal st)
0708	11/18/01	F2TNWG	20	"FOR CRYSTAL SOCKET"
0600	11/19/01	F2RZEB	20	"FOR CLEAVER"
0649	11/21/01	F22RGZ	20	"FOR JONATHAN"
1759	11/25/01	F23CH5	20	"FOR DWELLER"
0301	11/28/01	YWZMNV	20	"FOR AZTEC THEATER"
0537	12/08/01	YWJW2U	20	"FOR ROBBERY"
0737	12/12/01	YWAVJJ	20	"FOR ACREAGE"
0035	12/17/01	CJ7C3S	20	"FOR STRINGENT"
0822	12/18/01	CJYCPU	20	"FOR COTTON GIN"
0648	12/21/01	CJ4TXG	20	"FOR REGION CHARLIE"
1450	01/11/02	OSKA4S	32	"FOR CHALLENGER" (cc statement)
0529	01/15/02	OSHZ3S	20	"FOR LEDGER"
1505	01/16/02	OSXZZH	20	"FOR REGION BRAVO"
0542	02/03/02	HQVZ5D	20	"FOR PLAY TENT"
0548	02/03/02	HQZE30	20	"FOR UBANGIE"
0648	02/15/02	EH54IQ	20	"FOR REGION CHARLIE"
0125	03/15/02	BTGBHD	20	"FOR REGION CHARLIE"
1450-	04/02/02	MFMJ3K	32	"FOR ?" (FOR ELEVEN or ?)
1510-	04/12/02	SM7ZCD	32	"FOR WOOD BIRD"
0456	04/13/02	SMSV5N	20	"FOR DECK HOUSE" (1st in 4 weeks)
1521	04/24/02	SMU4GM	20	"FOR BLACK MULBERRY"
0529	05/12/02	3LQEGX	20	"FOR REGION ALPHA; REGION CHARLIE"
2028	05/24/02	30GUJV	20	"FOR FUN/FUND"
0558	05/25/02	30KN6J	20	"FOR KALE"
0528	05/31/02	30QUHK	20	"FOR REGION CHARLIE"
2325	06/03/02	30DTHR	20	"FOR REGION CHARLIE"
0524	06/20/02	ZPH4Q3	20	"FOR MILD MANNER"
1310	06/25/02	A0....	32	"FOR ?" (cc statement)
0146	07/16/02	A07JVA	20	"FOR REGION CHARLIE"
0110	09/08/02	3IYIB7	32	"FOR MARYLAND CLUB"
0156	09/08/02	3IFLL7	20	"FOR REGION CHARLIE"
1949	09/19/02	3IOD23	20	"FOR BENEFIT DANCE"
0101	09/20/02	3IO3VS	20	"FOR PLANTERS PUNT" ?
0109	09/20/02	3I6GA7	20	"FOR REGION CHARLIE"
0111	09/20/02	3I0KVS	20	"FOR PLANTERS PUNT" ?
2239	09/20/02	3ISCYB	20	"FOR REGION CHARLIE"

2249	09/24/02	XT7SAT	20	"FOR REGION CHARLIE"
0024	10/12/02	X6RKED	20	"FOR REGION CHARLIE"
0627	10/19/02	X6W7MI	20	"FOR REGION CHARLIE"
1537	10/27/02	X6UKUK	20	"FOR REGION ALPHA"
0633	10/30/02	6EZWZB	20	"FOR REGION CHARLIE"
0608	11/01/02	6ENDK3	20	"FOR FOG HORN" (or sounds like)
0118	11/05/02	6EP07H	20	"FOR PROPEL"
0745	11/09/02	6EEUND	20	"FOR REGION CHARLIE"
0554	11/10/02	6EIW2G	20	"FOR REGION CHARLIE"
2217	11/18/02	R3XUPX	20	"FOR STORM TROOPER"
0223	11/20/02	R3QVSF	20	"FOR AFCON 010"; BASELINE GG3 tfc
1943	11/21/02	R3NL5Q	20	"FOR PERFORM" GG03
1740	11/22/02	R34L7H	20	"FOR REGION CHARLIE"
1428	11/23/02	R360HE	20	"FOR REGION CHARLIE"
0714	11/28/02	R36E4E	20	"FOR REGION CHARLIE"
1931	12/03/02	J6F3AC	31	"FOR BALANCE SCALE" (cc statement
2150	12/03/02	J6CDZL	32	"FOR BALANCE SCALE" (cc statement
0226	12/17/02	J66GDD	20	"FOR REGION CHARLIE"
0202	12/19/02	J6WQRC	20	"FOR REGION CHARLIE"
2245	01/13/03	EW0X2G	20	"FOR REGION ALPHA; FOR R CHARLIE"
0325	01/16/03	EW3QCA	20	"FOR REGION CHARLIE"
1510-	01/16/03	EWYU47	32	"FOR ACME 11"
1500	01/17/03	EWTXDJ	32	"FOR ACME 11"
0759	01/26/03	EWTDAH	20	"FOR REGION CHARLIE"
0322	02/04/03	EWGLRZ	20	"FOR REGION CHARLIE"
0124	02/11/03	32IWQS	20	"FOR REGION CHARLIE"
2249	02/11/03	3W43LT	20	"FOR BESSIE 33; FOR BESSIE 34"
1643	02/12/03	GEGNQE	20	"FOR HAYLOFT" (or sounds like)
0636	02/15/03	GE5UNT	20	"FOR REGION A AND REGION C"
0205	02/16/03	GENPEE	20	"FOR LAST 33 AND 34"
0122	02/21/07	GERJ07	20	"FOR REGION CHARLIE"
0614	03/03/03	QKUQLG	20	"FOR REGION CHARLIE"
0631	03/12/03	QKWNLC	20	"FOR REGION CHARLIE"
0730	03/14/03	5IKUIS	20	"FOR REGION CHARLIE"
0648	04/01/03	OB3IPS	20	"FOR REGION CHARLIE"
0423	04/13/03	G3TQMK	20	"FOR REGION CHARLIE"
0111	04/19/03	G3LJD4	20	"FOR REGION CHARLIE"
2207	04/26/03	3BLQTX	20	"FOR REGION ALPHA"
0204	04/27/03	3BLVRI	20	"FOR REGION CHARLIE"
2159	05/14/03	GRHE2P	20	"FOR REGION CHARLIE"
1506	05/23/03	EDT6DG	35	"FOR READER"
1511	05/23/03	ED35FE	35	"FOR READER"
0534	06/10/03	LF7FYK	20	"FOR REGION CHARLIE"
2346	06/23/03	HZUWDC	21	"FOR LINEBREAK & CRANESTAND"
0632	07/25/03	ZX4XTX	20	"FOR REGION CHARLIE"
0056	07/28/03	ZXR2BF	20	"FOR REGION ALPHA & BRAVO"
0614	08/01/03	ZXEPQA	20	"FOR REGION ALPHA"
0447	08/03/03	EXQQOX	20	"FOR REGION CHARLIE"
1714	08/07/03	EXI4UI	20	"FOR HORSE RIDER"
0442	08/09/03	EX2QAH	20	"FOR REGION ALPHA AND BRAVO"

0636	08/15/03	EXTC4Q	43	"FOR JOANNA"
0507	08/25/03	Z375HT	20	"FOR REGION ALPHA"
0745	08/25/03	Z3BNGN	20	"FOR REGION ALPHA"
0458	08/28/03	2DADTD	20	"FOR REGION ALPHA AND CHARLIE"
1545	08/29/03	2D7LVR	20	"FOR BARRAGE, ___ AND REG ALPHA"
1951	09/09/03	KURP4W	37	"FOR ___ ?" (ARM REST maybe?cc)
2237	09/09/03	KUK3DE	39	"FOR ARM REST" (cc statement)X2
0436	09/13/03	DT4SIF	20	"FOR REGION CHARLIE"
2350	09/15/03	DTVCGJ	20	"FOR ACCEPTANCE & GALLANT LAD"
2107	10/03/03	ONMLRY	40	"FOR ___ ___" (too weak)
1943	10/09/03	DESBHS	20	"FOR HOTEL FORCE"
2050	10/15/03	DEUQPU	20	"FOR REGION CHARLIE"
1543	10/31/03	OFWP7P	20	"FOR HOTEL FORCE"
0553	11/29/03	CW6?Q?	20	"FOR REGION BRAVO"
0058	12/08/03	IWV7B4	20	"FOR REGION ALPHA"
0705	12/10/03	IWEDYJ	20	"FOR REGION BRAVO"
1300+	12/26/03	MT....	20	"FOR REGION ALPHA"
1330	12/26/03	MT...	20	"FOR REGION BRAVO"
2057	12/29/03	MTHCQK	20	"FOR REGION CHARLIE"
0547	01/14/04	EBQ SXH	20	"FOR REGION ALPHA"
0556	01/21/04	5PJZ06	20	"FOR REGION ALPHA"
0604	01/21/04	5PAVKN	20	"FOR REGION BRAVO AND CHARLIE"
1450	01/26/04	5PZUVA	20	"FOR REGION ALPHA AND BRAVO"
2312	02/04/04	B7GWAS	20	"FOR REGION ALPHA"
0540	03/12/04	YM57H3	20	"FOR REGION ALPHA"
0550	03/12/04	YMPNCI	20	"FOR REGION BRAVO"
0152	03/20/04	YMA2G3	20	"FOR REGION ALPHA"
0158	03/20/04	YMBKV4	20	"FOR REGION BRAVO"
0447	04/22/04	OTBTUR	20	"FOR REGION ALPHA"
0458	04/22/04	OT73GU	20	"FOR REGION BRAVO"
0559	05/01/04	EKU2X4	20	"FOR REGION BRAVO"
1724	05/24/04	IJS22Z	35	"FOR ___" (cc statement)
2032	08/16/04	CA??CQ	35	"FOR ___" (cc statement)
0628	09/06/04	J45IK3	20	"FOR REGION ALPHA"
1419	09/16/04	A5EDDB	20	"FOR BRAIN POWER" (earlier 6ch)
1251	09/30/04	A5022I	20	"FOR WHISKEY FORCE & XRAY FORCE"
2039	10/01/04	EJPRX3	20	"FOR XRAY FORCE & HOTEL FORCE"
2326-	10/15/04	DIFWHF	20	"FOR HOTEL FORCE" (rebcsts)
1446	10/29/04	DI43KC	20	"FOR HOTEL FORCE"
0642	11/05/04	DIMWUX	20	"FOR ALPHA FORCE"
0648	11/05/04	DINDOX	20	"FOR BRAVO FORCE"
1506	04/11/05	Y4ADKI	20	"FOR HOTEL FORCE"
0456	04/15/05	Y4NBHT	20	"FOR REGION CHARLIE"
1939	10/29/05	WAGFSO	20	"FOR HOTEL FORCE"
1641	11/08/05	WAICYT	20	"FOR SATISFACTORY"
2105	11/08/05	WAESIL	20	"FOR SATISFACTORY"
0523	11/08/05	WA26TZ	20	"FOR BORN LEADER"
0545	11/09/05	WAUI6A	20	"FOR REGION ALPHA"
0547	11/09/05	WA0UG7	20	"FOR REGION ALPHA"
0548	11/09/05	WA257A	20	"FOR SHALLOW SIDE"

0553	11/09/05	WAGOYQ	20	"FOR SHALLOW SIDE"
1443	11/09/05	D05W6E	20	"FOR VITAMIN, DOLPHIN, SWISS BOY"
1635	12/06/05	W02RXH	20	"FOR GREEN HORNET"
1719	12/15/05	YR2Q5M	20	"FOR BOUNCING BETTY"
1442	01/11/06	XJE3LZ	20	"FOR BOULDER LAKE"
1717	01/19/06	XJU3JM	20	"FOR ADVANCED SYSTEMS"
1531	01/30/06	QZZHGK	20	"FOR SHAMBY"
1431	02/03/06	KEYPR6	20	"FOR GLOVER"

What follows is a list of variable character preambles with their dates, times, and character counts. It appears that there are two static sets active at any one time (with some exceptions). All dates are in U.S. format (mm/dd/yy).

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Time (gmt)   Date       Preamble      Character count
1830         06/09/94  MSGBGZQ3J     45 (9-character preamble; repeated)
1848++      06/13/94  MSUQPZ        42
1850         07/01/94  KP056B        42
1854         07/05/94  KPP35M        85
???         07/07/94  KPXEUI        42
1730         07/07/94  KPHVUA        172
1900         07/07/94  MSFNPK        141
1749         07/11/94  KPWAIE        67
1832         07/12/94  MSQNPB        54
2200         07/12/94  KPPFR5        48+-
1906         07/13/94  KPCHJM        35 (mangled notes - date problem.)
1956         07/14/95  MS3BY3        42
1948         07/26/95  KP45JU        48
1907         07/29/95  MSFMFU        106
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1833         08/10/94  QNMDLS        83 (Possibly missed 1st two chars)
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1700-2100?  09/08/94  4OU3XF        68 (4 OSCAR...)
1404         09/09/94  404QZA        61
2243         09/13/94  XBCBXO        24 (I may have misunderstood this.)
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????        10/04/94  PQE3J4        27
1833         10/04/94  PQEANV        40
0000++      10/06/94  JUHPXQ        44 (Part of a very active self id'd
exercise from 0000z to 0600z.
Rebroadcast often, including by
USN on 5680.0)
1639         10/10/94  JUPGTQ        ?? (I only have 10 characters, but I
think I just stopped writing.)
1600         11/04/94  JUB4BI        102
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2022         11/09/04  DFUFKD        347 (per bbs posting, a 300+ BY...
EAM (normally 26/20) was passed a
few days earlier on freq
including the Navy's 11267.0)
1528         11/15/94  DFUKPN        65+-
2100         11/15/94  DF2XNW        406 (from FIREWORK on NW net.)

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1915	11/22/94	PQVRP7	52
2113	11/28/94	PQ4S56	138 (DEEPWELL. Preamble +/-)
1400+-	12/01/94	PQ....	100+ (Start of EUSATCOM or EUCINCCOM, or EUCENTCOM, or.. I don't recall an 'rrrr' sound; more like a 'you' sound.)
1310	12/07/94	PQ...	unk (To EURSETCOM or EURCINCCOM. Definite 'your' sound.)
1344	12/07/94	PQ...	unk (same)
1409	12/07/94	PQ...	unk (To USCINCCOM - did not sound like USCENTCOM. "you ess...")
1415+-	12/07/94	PQ...	unk (a 'more to follow' to same callsign.)

1753	12/15/94	WZU???	?? (missed it)
1822	12/15/94	WZOSWL	42
1537	01/12/95	WZEASU	159
0757	01/18/95	ML2AKA	80
1736	01/26/95	WZEFUJ	153
1655	01/28/95	ML3CMW	133
1548	02/09/95	WZFLMD	54 ("For SOARHAWK")
2032	02/21/95	MLWFPE	86
1412	02/24/95	MLKVJA	83
0508	02/26/95	WZJXI7	72
2037	02/27/95	ML5F7U	116
1800	03/04/95	ML4B3P	44

2005	03/10/95	ZXP7Y0	38
1258	03/11/95	ZXBS20	115
1748	03/13/95	J4QSD7	178
1705	03/14/95	ZX6RLK	49
1024	03/17/95	J4P2ED	76 (probably miscounted)
1936	03/17/95	ZXSVBS	38
0046	03/18/95	ZX2S2X	97
1302	03/18/95	ZXS6UB	96
1948	03/19/95	ZXKT6P	49
1535	03/21/95	J4SRKY	33
1719	03/21/95	J4073M	33
1939	03/24/95	ZXXOYO	44
1348	03/25/95	ZX?SNZ	75
0304	04/02/95	J4UIRL	37
1653+-	04/04/95	J4W4VT	90
1701	04/05/95	ZXWW3D	72
1538	04/07/95	ZXFI6K	74
1926	04/08/95	ZXS4L7	44

1330+-	04/11/95	ZX????	30+-
1448	04/11/95	ZX72R3	38
1634	04/11/95	J4FLIZ	28 (rare under-30 count)
????	04/14/95	J4QSYG	115+- (not paying attn)
1605	04/15/95	ZXCQEI	49
1220	04/19/95	ZX....	60

1405	04/26/95	AH7KGC	74
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(Not paying as much attn to these as in the past, so the following is skimpy.)

1334	05/09/95	AHZNTI	74
1015	05/10/95	J4....	35+- (missed pramble and count)
1542	05/16/95	AHWYYU	44 (common character count)
0146	05/19/95	AHOYB5	111 (1st in a series of long EAMs)
1100+--	05/19/95	AH....	unk (missed count and preamble)
1315+-	05/19/95	AHH7PK	507-515 (depending on who counted)
2007	05/19/95	AHA7E7	255
2145+	05/19/95	AHF2A5	109
0848	05/20/95	AHQ3Y4	101
1254	05/20/95	AH....	262 (missed preamble)

1815	05/30/95	SL4WUG	44
1838+-	05/31/95	SLYWHV	37
1207+-	06/03/95	YYDI6L	40
0535z	06/08/95	YY4SMR	31
2035z+-	06/12/95	SLRWJ2	Unk (missed the count)
2106z+-	06/12/95	SL7GVP	80
1738z	06/16/95	SLKBNG	44
2219z	06/16/95	SLI5KY	38
1235z	06/20/95	SLS5TK	74
0056z	06/21/95	SLVQCK	339
2100z	06/21/95	SLNDPI	338 (as heard by Ary Boender in the Netherlands)
1205z	06/22/95	YYAFB6	31
1748z	06/23/95	SLGISM	
0322z	06/26/95	SLVCKA	197
0604z	06/27/95	SLFEZZ	71

0920z	06/27/95	M3ZBBX	41 (Heard by Ary Boender ex CROUGHTON)
1315z	06/27/95	M3WGRG	23 (Heard by Ary Boender in the Netherlands. By POSTCALL to his net only).
2026z	06/29/95	YYIDRV	44 (Another 44 character EAM!)

2027z	06/30/95	R3T4C7	71
1945z	07/06/95	R3Y4Q7	72
1507z	07/10/95	R35XH7	74
1548z	07/12/95	YYCJYV	59
1630z	07/19/95	R3606K	25 (from MANGROVE on 11244.0 - 'repeat' EAM)
0752z	07/21/95	YY64Z5	33 ("For SOARHAWK" see 02/07/95)
1306z	07/25/95	R3EK6J	73
0800-1000+-	08/03/95	YY....	unk (heard, but missed preamble/count)
1219z	08/03/95	R3Z6C6	97
1933z	08/03/95	R3C6XE	140
1334z	08/05/95	R34BEH	74
2213z	08/08/95	YYHSFU	37 (MCCLELLAN, originally bcst with 8-character preamble, so he had to rebcst with 6-character preamble. YY... active 2 months.
1957z	08/09/95	R3DA72	74
0904z	08/15/95	R3XBA6	74 (a common character-count)
1321z	08/15/95	R30AR5	75
1829z	08/15/95	R3XAQ6	102 (a very busy day)
0804z	08/19/95	YYIGRD	34
1204z	08/19/95	X2GHOQ	67
1446z	08/21/95	X2AGEW	37
0101z	08/24/95	X2TV4I	44
1807z	08/25/95	X2S6PL	37
0106z	08/30/95	YY5W54	44
1603z	08/30/95	YYTIP?	unk (heard on 6730.0 from a member of the NIGHTWATCH net - not sure of preamble or the count.)
2100z+/-	08/31/95	X2M4LI	406
1626z	09/12/95	YY3GIP	57 ("FOR EXERCISE BEARING VALLEY" - seemed to close off a 3 or 4 hour period of cyclic EAMs bcst on a 10 minute period on the GHFS.)
1409z	09/18/95	X2KZW2	119 (preamble may be incorrect)
1617z	09/18/95	YYEZHX	90 (disregarded for a rare, interesting EYESTRAIN Foxtrot message).
2232z	09/19/95	X2GPPE	74
0558z	09/20/95	X20NH2	153
1555z	09/23/95	X2X5XF	44
1300z	09/26/95	X2ABNB	68

1404z	10/01/95	CNB4TL	46
1646z	10/02/95	BDPWQD	46 NIGHTWATCH to his net. Not heard on GHFS.)
2035z	10/10/95	BD22TT	6 (*Very* rare 6 character variable character-count EAM - the last

2324z	10/16/95	BDCYFZ	6	heard in Nov/Dec 94.) (Another *very* rare 6 character variable character-count EAM.)
1546z	10/17/95	BDUZZS	96	
1751z	10/17/95	BDAUJG	129	
2103z	10/17/95	BD3JNU	75	
2138z	10/24/95	BDTIQR	67+	(NIGHTWATCH to his net - count not accurate - hurried xmsn; poor propagation; and qrmd diction. Not heard on GHFS.)

0336z+	10/25/95	FXRLP2	225+	
1449z	10/27/95	FXZYDI	103	
1206z	10/28/95	BDQ4DZ	78	
2052z	10/29/95	BDE03B	42	
1244z	11/05/95	BDUIS2	28	(Another 'short' EAM.)
0400z-/+	11/08/95	FXQOWH	102	(Repeated often during local night, including during the ANDREWS 'repeat' EAM skeds.)
0400z-/+	11/08/95	FX5YGL	68	(ditto)
1315z+/-	11/08/95	FXJZU7	131	
0021z	11/09/95	FX6CS0	59	
0021z	11/09/95	FXRE6?	unk	(heard on NIGHTWATCH net on 9017.0 coincident with FX6CS0.)
XXXXz	11/09/95	FXLPGN	143	(did not note time, but it was between 0021z and 0200z).
0215z	11/09/95	FXVS56	156	(Very heavy NIGHTWATCH net activity since weekend.)
1928z	11/16/95	FXIP56	unk	(Long EAM, but unk count).
1535z	11/17/95	FX2EIC	71	
2121z	11/18/95	FXNQP4	80	

1453z	11/24/95	DNY4VN	70	
1440z	11/29/95	DNL6GD	74	
0814z	12/05/95	DN6FKZ	101 +/-	
unk	12/06/95	DN35BR	unk	(as reported by Mike Jacobs on the WUN.)
1327z	12/13/95	DN5NUH	131 +/-	
1415z	12/14/95	DNTZXN	74 +/-	
1951z	12/16/95	BDQDAL	34	(Heard on the NW01 net. BD still active.)
1606z	12/18/95	DNS6K3	68	
0539z	12/29/95	DN2RRO	131	
1846z	12/29/95	DNYI6C	78	
1846z	01/03/96	DNZRMU	78	
2037z	01/07/96	DNEBIV	74	

1637z	01/20/96	BDFNHN	82

1503z	01/26/96	F44WVH	(*) (Preamble only by ANDREWS, then disregarded. Mistake?)

1130z-	01/27/96	H3QTFC	unk (Preamble heard on NIGHTWATCH net only.)
1305z	01/30/96	H362WD	145
1841z	01/30/96	BD6BJM	unk (Mentioned on the NIGHTWATCH net.)
1603z	02/03/96	BDG2FR	111
1923z	02/04/96	BDY3IW	82
0631z+/-	02/07/96	H3ZGZ5	131 (Per Ed Griffin)
1250z	02/08/96	H3?LH6	157 (mangled transcription)
1547z	02/10/96	BDFZTC	48
1416z	02/11/96	BDHQ6V	100
1555z	02/11/96	BDMXHS	90
1718z	02/11/96	BD7V3P	78 (Active for over 4 months.)
1902z	02/17/96	H3XMXS	66
1951z	02/20/96	H3ZVXL	38 (Heard from ORANGEADE)

1305z	02/21/96	CRRSKU	72 (Replaced BD...)
2109z	02/25/96	H3CEID	68
2303z	02/25/96	H37CBT	74
1931z	03/01/96	H32E6C	122
1449z-	03/10/96	CRWYAD	89
1248z	03/13/96	CR45KE	97
1448z	03/13/96	CRIQKU	99
1717z	03/13/96	CREVA5	37

2141z	03/17/96	GKSDGQ	62 (Replaced H3 probably)

2026z	03/21/96	XXF6QP	30 (Repeat EAM, heard only from USN trigraphs during exercise. XX not heard since; or maybe once

Europe.)

in

2200z	03/21/96	GKY3SL	74
0132z+	03/22/96	GKDA50	44
0748z	03/25/96	GK5TOF	74
1547z	03/23/96	GKM4GH	67
1548z	04/04/96	CREETN	58+/-
1539z	04/06/96	GKMYW5	225+/-
1507z	04/11/96	CRRGKM	25 (A rare <26 character EAM.)
1556z	04/16/96	GKMIZZ	74
1406z	04/17/96	CR3N4W	92 (see 04/18/99)
1324z	04/18/96	CRVE6U	82
1405z	04/18/96	CRIL3I	92 (note the timestamp re 04/17)
2048z	04/19/96	GKQZ7M	142

0022z	04/20/96	5TSZ6L	98 (Replaced GK... probably.)
1511z	04/20/96	CRT6NI	126 (Still active.)
1040z	04/23/96	5TYFA5	101
1400z	04/24/96	5T4LYV	44
1903z	04/25/96	5TABXP	71
2013z	04/26/96	5TMXM2	44
1357z	04/30/96	5TMQZC	90
1554z	05/04/96	CRBLZ2	99

1230z	05/08/96	QMBOU4	40+/-
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1407z	05/10/96	PCOG77	28
2342z	05/14/96	5TCPBN	102
1900z	05/16/96	5TPI23	213+/- (followed by 67.. out of sequence eam)
1945z	05/16/96	5T5TC6	74
1218z	05/23/96	5T3SIX	78

1549z	05/23/96	PC6BJV	108 (contained "ones": EAL1A EAM1A EAN1A)
1740z	05/23/96	PC7PHX	30
1514z	05/24/96	PCQF5X	56 (contained "ones" EAL1A etc)
1552z	05/24/96	PCGAPF	45 (contained "ones" EAN1A)
1615z	05/24/96	PCADUH	55 (contained "ones" EAL1A etc)
1741z	05/24/96	PCXBYL	73 (FOR USS BUFFALO; contained "ones" EAL1A etc)

1425z	05/30/96	UP3L5N	61
1502z	06/01/96	PCY2IA	93
1507z	06/01/96	UP5M6Y	44
1403z	06/02/96	PCMUTB	93
1925z	06/03/96	UP633K	65
1616z	06/05/96	PCRGOF	48
1508z	06/11/96	PC53E2	108 (FOR SPROUT)
1553z	06/11/96	PCVFOQ	96 (maybe FOR SPROUT)
1645z	06/12/96	UPSAEW	102
1333z	06/14/96	UPXRUB	71
1450z	06/14/96	PCGLN4	76
1232z	06/18/96	UPFPLO	44
1206z	06/20/96	UPRHRL	74
1356z	06/21/96	PCTX27	77+/- (contained "ones" EAB1H (or A))
1535z	06/21/96	PCV7JI	75
2150z	06/21/96	PCJZGE	84
0614z	06/24/96	PCIJNX	126
1404z	06/24/96	PC2X3D	75
1854z	06/25/96	UPI76J	38
1631z	07/01/96	PC?06S	34
1830z	07/16/96	UPJRJI	121 (heard on NIGHTWATCH net)

0655z	07/26/96	PD4ZVL	81+/-
0546z	07/31/96	PDXEPF	38
1319z	08/03/96	PCJTYT	128 (still active)
1446z	08/10/96	PDQJEQ	78
2157z	08/13/96	PDPTFS	38
0401z	08/14/96	PD6200	66
0222z	08/14/96	PDCKJF	78
0708z	08/16/96	PDXNGD	68

1543z	08/16/96	5KX7PP	28
0316z	08/25/96	PKN5NJ	126
1238z	08/30/96	PKZ604	74 Heard on the NIGHTWATCH net.
2337z	09/02/96	PKOD5S	68

1403z	09/05/96	FIZHCH	41 FI only heard once.
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1220z-	09/09/96	DYVCKE	177
1319z	09/09/96	DYFUPF	33
1334z	09/09/96	DYFUPF	33 (Repeated without change.)

1346z	09/09/96	DY6CV7	50
1348z	09/09/96	DYKXNA	23 (Rare <26 character EAM)

1751z	09/09/96	PKMUX7	71
1957z-	09/09/96	PK....	154 (missed the preamble)
0624z	09/11/96	5KEI7E	87
1550z+/-	09/11/96	5KJYGH	92+/-
2024z	09/11/96	5KQI60	28
0633z	09/16/96	PK56GA	131
2139z	09/17/96	5K7Y6U	42+/-
2210z	09/24/96	PKYLM6	124
0055z	09/25/96	PKFBUR	68
2209z	09/27/96	PKJGNE	106
0009z	09/28/96	PKJGNE	156 (Heard on the NIGHTWATCH net; very odd, in that NIGHTWATCH 01 first gave out the 106 character string, then appended 50 additional characters to the string in a later xmsn: NW01 to

HIGHTIDE.

Possible change as of 01 Oct 96 -- "FOR.." string no longer reported. The "FOR..." EAMs may be found only in the 6/20/variable EAM sets as of 01 Oct 96.

1913z	10/04/96	IHAKHJ	39
1718z	10/04/96	IHB66R	33
1618z+/-	10/05/96	IHGPMZ	176
1506z	10/08/96	IH4SIO	60
1543z	10/08/96	IHQBCQ	60
0613z	10/10/96	5KRNKP	148 (5K series still active)

0748z	10/12/96	HOH2XJ	29 (Odd series, as it was heard from HICKAM and other weak GHFS stations, but not from CONUS stations, nor from the master control station at the time - MCCLELLAN. But, it was heard in Europe from apparent abncps to
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presumed NATO Brussels).

0744z	10/13/96	HOWP2D	47 (HICKAM)
0746z	10/13/96	HOCEE6	29 (as a "more to follow" string.)
0837z	10/13/96	HOGSWL	29 (HICKAM)
0659z	10/15/96	KJQTK4	28 (another series not heard from CONUS stations [until 1355z])
1110z	10/15/96	KJ7ZOL	22 (HICKAM)
1128z	10/15/96	KJX6F3	41 (HICKAM)
1355z	10/15/96	KJZYNX	34 (OFFUTT, as lead GHFS station)

1623z	10/15/96	IHUAC3	47
1826z	10/15/96	IHPQR3	47
1818z	10/21/96	IHVCMI	45
1603z	10/23/96	5KXYAK	109
1206z	10/24/96	5KVHRR	141
1617z	10/25/96	5KJU7I	88
2201z	10/25/96	IHWBS3	68 (From KIWIBIRD during large exercise, and repeated often during exercise)
2355z	10/25/96	IHUDVS	75 (KIWIBIRD; "repeated" often during exercise into 26 Oct utc)

2123z	10/29/96	TESTTE	20 (Not "variable" but interesting, because it was a plaintext TEST TEST TEST TEST sent and echoed as a "normal" EAM string)
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1415z	11/05/96	IHNAQ7	60 (ANDREWS with 'MAINSAIL' bcst;
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EAM repeated at h+25/h+55 by

FOGCOUNT on 15016.0 and 8968.0

over a two hour window)

2001z	11/05/96	IHNAQ7	60 (ANDREWS with 'MAINSAIL' bcst; same string as at 1415z)
2005z	11/05/96	IHQANK	73 (a "more to follow" string)
2128z	11/05/96	IHXMOQ	104
0811z	11/20/96	IHOEAK	39 (FLATWARE on 5705.0)

0824z	11/20/96	CXTWKO	33 (FOOTSORE/FLATWARE on 5705.0)
0826z	11/20/96	CXGVIB	39 (FOOTSORE/FLATWARE on 5705.0)

(Possible demarcation; xmsn patterns seemed to change; and in hindsight this was also the apparent start of the use of the distinctive "14" and 23/14 ending formats for many EAMs in these series which continues to present. Pattern change could be due to possible change in listening habits also).

1237z-	11/21/96	GITRCT	75++ (STAIRWAY on 11244.0 per wun)
1510z	11/21/96	GI46BN	28 (used by FIREBUG at h+25/h+55)
1522z	11/21/96	GIOLOR	75 (used by FIREBUG at h+25/h+55)
1528z-	11/21/96	GIZ6DX	80 (used by FIREBUG at h+25/h+55)
1529z-	11/21/96	GIGCGX	57 (used by FIREBUG at h+25/h+55)
2304z	11/22/96	GI3SYO	120 (related to 12/22, 12/27, 01/06)
0937z	11/25/96	GI3SZU	80
1442z	11/25/96	GI47EK	145 (related to 12/03, 12/20, 01/06)
0920z	12/03/96	GIGAA2	145 (NIGHTWATCH 01 to LUNCHBOX; related to 11/25 & 12/20)
1545z	12/03/96	GIT7FY	80
1220z	12/11/96	GIN4OD	88+/-
1453z	12/18/96	GIGXE2	45
1137z	12/20/96	GI2XVY	145 (related to 12/03, 11/25, 01/06)
2322z	12/22/96	GIUW73	72 (per Graham Tanner via WUN; related to 11/22, 12/27, 01/11)
2204z	12/25/96	unk	unk (may be a JX string)
1444z	12/27/96	GI45TI	89 (related to 11/22 & 12/22)
1721z	01/02/97	GIZOSM	45
0939z	01/06/97	GIBUAO	75
1918z-	01/06/97	GITYEI	145 (Related to 11/25, 12/03, 12/20)
2349z	01/11/97	GILAIR	89 (Related to 11/22, 12/22, 12/27)
1800z	01/27/97	4QURQX	75 (relative positional groupings)
1427z	02/08/97	4QEKKV	97 (relative positional groupings)
1558z	02/08/97	4QBIPT	39
0334z	02/09/97	4Q2VY5	171 (related to numerous above)
1742z	02/14/97	4QFUMI	148 (related to numerous above)
1711z	02/17/97	4Q5STG	95 (NIGHTWATCH 01 to his net)
1738z	03/03/97	4QSSU7	39
0830z	03/04/97	4Q....	135
2037z	03/07/97	4QWHFB	60 (Heard on NIGHTWATCH net)
1940z	03/13/97	OS4H25	73
0250z	03/18/97	OSPKLZ	81 (Internal 6-element blocks denoted by double characters; ESSENTIAL at 0245z)
1635z	03/25/97	OSFWUS	69 (repeated often on 11267/15084)
0024z	03/25/97	OSD6L5	109 (repeated often by trigraphs and callwords on GHFS and 11267.0;

typical end of March "exercise".)

2224z	03/29/97	OSDUPM	39
1424z	04/02/97	YFIE24	118
0902z	04/22/97	OSUPBP	94
1400z	04/22/97	OSTTWJ	50
0508z	04/25/97	OSTSDV	61
0919z	05/02/97	OSAVKW	126
1536z	05/04/97	OSZFQA	82
1952z+/-	05/13/97	VBR7I4	110+
0625z	06/03/97	VBBN42	156+/-
1848z	06/16/97	VBNU37	147+/- (now common 14-character block completion)
1559z	06/18/97	35N5BQ	73
0110z	06/23/97	VBZYSX	138
1505z	06/23/97	VBFADY	85+/-
1428z	06/26/97	unk (prob VB)	unk (now common 14-character block completion)
1303z	06/28/97	VBYBLC	26+/-
0652z	07/05/97	BCC...	126
1345z	07/12/97	BCK7WY	90
1925z	07/18/97	BCLLWZ	138
1224z	07/30/97	BCPLK2	95
1714z	08/02/97	35X6N.	unk (ex NIGHTWATCH 01)
0145z	08/15/97	BCVNAT	39
0247z	08/17/97	BC5GFJ	79 (ex MULBERRY on 9016.0)
0538z	08/24/97	WIXAMB	120
1919z	08/30/97	WI4IBQ	75
1110z	09/09/97	WIOEU5	89
2222z	09/09/97	WIOLPO	156 (now common 14-character block completion)
0226z	09/18/97	WIXXMQ	75
1924z	09/20/97	WIUQ24	39+/-
0930z	09/22/97	WIER7K	124
1339z	09/28/97	6KLNVS	145
1827z	10/08/97	6K0Y64	85
1629z	10/10/97	DREMKL	44 (ex NIGHTWATCH 01)
1903z	10/11/97	6KAMAZ	39 (ex NIGHTWATCH 01 to MACDILL)
1508z	10/22/97	6KLK5A	80
2330z	10/23/97	6K25PF	95 (ex 60B on 11267.0)
0151z	10/24/97	6KVHKM	109 (ex POPULATE on 10204.0)
1622z	11/04/97	6KZX6G	39 (ex NIGHTWATCH 01/GLBL GUARDIAN)
0137z	11/05/97	6KKFA3	244 (ex RASPUTIN/GLOBAL GUARDIAN)
0159z	11/05/97	6KUBZM	195 (ex RASPUTIN/GLOBAL GUARDIAN)
0442z	11/05/97	6K43NB	277 (ex RASPUTIN/GLOBAL GUARDIAN)
0602z	11/05/97	6KX537	74 (GLOBAL GUARDIAN 98)

1329z	11/05/97	DLL3GL	183 (GLOBAL GUARDIAN 98)
1427z	11/05/97	6KY5AJ	71+ (GLOBAL GUARDIAN 98)
1439z	11/05/97	DLNRT7	255 (GLOBAL GUARDIAN/RASPUTIN 1528z)
1522z	11/09/97	DL2MW3	85
2145z	11/14/97	DLU37Z	72
1533z	11/20/97	DLWDIL	75
1914z	11/28/97	DLLX50	145
0240z	11/29/97	DLVX2Z	75
1647z	12/04/97	DL55C6	155
1336z	12/08/97	DLPKVV	89
1512z	12/14/97	DLA5AI	184
2052z	12/23/97	DRD57D	34 (ex DEERMEAT; see 10/10/97)
2103z	12/23/97	AB2BJH	40 (ex DEERMEAT)
0743z	12/28/97	ABMXST	110
1554z	01/04/98	AB6VY7	203
1348z	01/05/98	ABXSSU	200+/- (14-character end block etc)
2045z	01/12/98	ABTGJD	156 (common 19-character count)
1337z	01/15/98	ABW7U2	95
1726z	01/18/98	ABETWL	??
0214z	01/20/98	DRVXQR	70 (see 10/10/97 & 12/23/97)
2002z	02/09/98	unk	??
2230z+/-	02/16/98	G4VXDL	75
0745z	02/23/98	G4Y7ON	49
1355z	02/26/98	G45RSK	135
0648z	03/03/98	G40SI7	174
2349z	03/06/98	G4GSHV	121
0605z	03/12/98	G466QG	216
1703z	03/18/98	G4NH23	81
0114z	03/20/98	G4PG5F	135 (ex GRISWALD standing by for tfc)
0517z	04/17/98	FW6VXS	120
0520z	04/17/98	V2FLBF	78
0534z	04/17/98	V24DLN	20
0542z	06/04/98	ICLPSE	95
1406z	06/14/98	ICQTLR	175
0550z	07/06/98	ICPUXU	128
1904z	07/13/98	ICN2CQ	210 (23/14 ending block)
0328z	07/21/98	ICAE4P	39
1438z	08/11/98	LCUWEE	122 (14 character ending block)
1726z	08/14/98	LCNTZH	unk
1908z-	08/20/98	LCF7IA	75 (ex NIGHTWATCH 01)
2144z	08/23/98	LCS4Y	126 (ex NIGHTWATCH 01; 14 ending blk)
1852z	08/29/98	LCAAKK	33
0229z	08/31/98	LCHHNB	110
0553z	09/07/98	LCTGLT	176
0630z	09/08/99	LCNIFR	155

1751z	09/09/99	CK2PAJ	186
1726z	09/28/98	CKPV5S	120
0739z	10/20/98	HMPYC6	120
1240z	11/01/98	HMVMQB	112 (ex ENDOWMENT on 11267.0; GLOBAL

GUARDIAN)

0621z	11/02/98	HMH5BF	89 (GLOBAL GUARDIAN)
0651z	11/02/98	HM5VBX	75 (GLOBAL GUARDIAN)
1432z	11/02/98	HMXIQ7	39 (GLOBAL GUARDIAN)
(listening habits changed slightly)			
0319z	11/21/98	HM7UGH	85
1634z+	11/21/98	HM66BL	104
2147z	11/23/98	HMQKM3	102
0609z	11/24/98	HM26V3	156
1805z	11/27/98	HMBPQS	102 (ex NIGHTWATCH 01)
1726z	11/29/98	HMWRHQ	155
1730z	11/30/98	CAE2H7	81
2142z	12/01/98	CAJ6NJ	25
1459z	12/02/98	HMH045	126 (23/14)
1909z	12/05/98	HMS6CS	170
0726z	12/12/98	HM5TB5	89
1801z	12/21/98	HMUI3C	155
2009z	12/22/98	HMY3MR	145
1746z	01/04/99	HMEYCR	120
1933z	01/04/99	HMNTAU	155 (common character count)
1820z-	01/11/99	HMMJPX	179 (ex NIGHTWATCH 01 at 1828z;23/14)
2037z	01/12/99	CAXOK5	30 (ex NIGHTWATCH 01; see 11/30/98)
0611z	01/14/99	SJPMUU	154
1719z	01/16/99	SJHP5B	60
2048z	01/22/99	SJ4KN5	102
0657z	01/29/99	SJJ4YG	105
0129z	02/06/99	SJ2JF3	102
1749z	02/11/99	SJHY5Z	155
0647z	02/12/99	SJGFVK	120
2316z	02/18/99	SJNW3Z	270 (ex SYLLABUS)
1429z	02/19/99	SJ5OME	206 (23/14 ending block)
0708z	02/27/99	SJUVR6	79
1934z	03/04/99	SJV5KY	251+/-

Possible demarcation -- long lived YY strings. (YY.. also used in 1995).

2045z	03/07/99	YYQETI	96
1610z	03/08/99	SJVJ7X	119

1817z	03/16/99	SJNTFA	96
2155z	03/21/99	YYG83N	20
0653z	03/24/99	SJRT3R	175
0839z	03/28/99	YYQ00L	20
1339z	03/28/99	SJKTZ2	179 (23/14 ending block)
1649z	04/02/99	YY3KCH	57 (ex DECEPTIVE)
2335z	04/07/99	SJBRYE	156
2057z	04/08/99	YYGH43	57
1346z	04/09/99	SJ2W40	83
0721z	04/15/99	SJ7TQE	150
0337z	04/21/99	SJUNHM	136
2144z	04/26/99	SJ6XXX	75
1214z	04/28/99	SJAMJ7	89
2258z	05/04/99	YY4IAM	55
2355z	05/04/99	SJKKXC	85
1000z+/-	05/07/99	SJT4A3	119
1811z	05/07/99	SJDMX6	154
1944z	05/10/99	SJA0VA	52
0729	05/15/99	UKVN7R	45
0758z	05/15/99	UKMH34	175
0024z	05/19/99	UKHF3T	58
1835z	05/22/99	YYICKH	25
1847z	05/22/99	UKPXDU	104
0227z	05/27/99	UKCAEH	75 (ex JEWEL BOX; exercise day)
1826z	05/28/99	YYNFFT	70+/-
1957z	05/28/99	UKVUIE	155
1647z	05/30/99	UK54J7	193 (23/14 ending block)
1756z	06/07/99	UKASFH	32/33+/-
1552z	06/07/99	UKHQKF	136
1756z	06/07/99	UKGFRM	101
1539z	06/10/99	YYWFFZ	25
0908z	06/11/99	UKR7I6	191
1414z	06/11/99	UKT4WS	136
0143z	06/16/99	UKF7XE	34
1845z	06/21/99	UKKL6K	121
2155z	06/29/99	UKKPJA	27 (ex MADELINE)
1619z	07/02/99	UKR2QB	48
0957z	07/06/99	UKW3HR	106+/- (23/14 ending block)
2223z	07/06/99	UK3JNS	120
2314z	07/14/99	YY2VWA	33
1908z	07/15/99	YYTTY6	25+/-
1450z	07/16/99	UKKNV4	149
2044z	07/20/99	UKRDDI	94
1800z	07/21/99	UK2EJV	135 (24/14 ending block)
2246z	07/26/99	UK6NIZ	123 (ex DIGNIFIED)
1718z	07/30/99	YYYOSX	28
0727z	07/31/99	UKQPBE	94
1651z	07/31/99	UKXXWK	148
1910z	08/02/99	YYEAEB	20 (ex CARDTABLE)

1911z	08/02/99	UK5YNA	33 (ex CARDTABLE)
1946z	08/02/99	UKQLGX	152
1437z	08/03/99	UKJQGN	176
1701z	08/06/99	UKELK2	173
1527z	08/07/99	UKP4ZM	126 (23/14 ending block)
1624z	08/07/99	YYPPJX	60
0202z	08/12/99	UK2WMP	109
2152z	08/13/99	UKPKZK	138
2329z	08/17/99	7YDR3G	102
0217z	08/26/99	7YXFNJ	75
0330z	08/26/99	7YYQE4	75
0756z	08/28/99	7YDXS2	75
1856z	08/28/99	7YJSHP	111
0225z	08/29/99	7Y5ZQ7	155
0103z	08/31/99	7Y443D	131
0503z	09/04/99	YY2ZCR	30
1804z	09/05/99	7Y30K0	193 (23/14 ending block)
1449z	09/06/99	7YX7V3	148
0658z	09/07/99	YY26ZD	21
1520z	09/21/99	7YBQNQ	150
1954z	09/21/99	7Y3E2R	136
1240z	09/27/99	YYGBFA	21 (YY.. active 6 months)
1905z	09/27/99	7YPQB3	105
0726z	10/02/99	UN3N7M	120
1229z	10/04/99	UN7BQD	101
2347z	10/04/99	UNQUWV	155
1256z	10/11/99	UNKCZF	175
1955z	10/11/99	UNU3ZX	59
2120z	10/14/99	DJLBST	50 (Replace YY??)
0102z	10/16/99	UNCJPM	252
1900z	10/20/99	UNVZMQ	174
1557z	10/27/99	UNYTNX	148
1640z	10/27/99	UNOWQI	68
1645z	10/27/99	UNUTIO	39
2000z	11/02/99	UN64G3	126 (23/14 ending block)
1651z	11/06/99	UNA2EI	33
1435z	11/15/99	UN637B	179 (23/14 ending block)
2343z	11/17/99	UNJSHY	135 (during HF exercise)
0049z	11/18/99	UNMZVC	39 (during HF exercise)
1951z	11/20/99	UNJJYM	94
0300z	11/22/99	DJHNEB	27
1704z	11/27/99	DJR6HB	45 (from NCS on 11244.0)
1920z	11/30/99	VAIJK5	75
0844z	12/03/99	VALJOG	119
2036z	12/11/99	VAEMRQ	60 (2032z ex APPARATUS on 11181.0)
1418z	12/12/99	VAMN4R	156 (23/14 ending block)

1655z	12/18/99	VAUZ5Z	136
0327z	12/22/99	DJDTNJ	33
1847z	12/28/99	VA6DBT	75 (1852z on GHFS)
1842z	01/04/00	VAXFUJ	142
2317z	01/07/00	VA7XC4	175
1654z	01/08/00	VASZI7	39
1728z	01/13/00	VARSBF	155
2043z	01/17/00	VA6RJK	155 (FROG POND & JUNCTURE at 2059z)
0522z	01/23/00	VAJ5RI	103
1725z	01/24/00	J4BGJX	40
2026z	01/24/00	VAEITM	142
0327z	01/29/00	VAIIAV	48
2020z	01/31/00	PKHAKW	165
0938z	02/02/00	PKXMVM	94

-Some reported Eastern Atlantic strings--

unk UTC	02/10/00	236MNF	unk (ex ENDOWMENT on 11255.0)
unk			02/10/00 23X75I unk (ex
ENDOWMENT on 11255.0)			
unk			02/10/00 23XZTI unk
(ex ENDOWMENT on 11255.0)			
unk			02/10/00 23Q2GQ unk
(ex ENDOWMENT on 11255.0)			
unk	02/10/00	23unk	17 (ex ENDOWMENT)
1030z			02/11/00 23HV5V 42 (ex RASPUTIN on
9017.0)			
1235z	02/11/00	23SLOK	33 (ex RASPUTIN on 11255.0)
1300z	02/11/00	23QNID	17 (ex RASPUTIN on 11244.0)
unk	02/11/00	63....	unk (ex IDENTICAL)
unk	02/11/00	63QTBM	unk (ex IDENTICAL)

1335z	02/11/00	PKOZUC	94
2223z	02/11/00	J4BSX6	43
1558z	02/14/00	PKZVWX	178
2010z	02/14/00	PKGDB3	39 (ex BAD BLOOD on 10204.0)
2123z	02/15/00	PKLMUM	125)

-Some reported Eastern Atlantic strings--

unk	02/14/00	23....	unk (numerous on 14 Feb 00; TAX PAYER)
1024z	02/15/00	YDWVTG	27 (ex NARRATOR on 8992.0)
1227z	02/15/00	YDQOVA	34 (ex NARRATOR on 11244.0)

0719z	02/16/00	PKM7VH	150
1957z	02/17/00	J44JCF	27
1646z	02/18/00	PKLZ43	87
1953z	02/21/00	PKEFYH	133
1732z	02/22/00	PKBXMA	85

2110z	02/24/00	J4FJKP	27
1518z+ /-	03/03/00	PKNEHQ	175
0817z	03/04/00	PK6LKJ	156 (ending 14-character block)
1534z	03/07/00	L2TNXO	21 (ex "msg of 7 groups" DEEP CUT)
2126z	03/11/00	PKOXQT	120
0540z	03/14/00	J4FRDN	24
2101z	03/17/00	PK27AD	225

-Some reported Eastern Atlantic strings--

1057z	03/23/00	WVOOFG	17 (11244.0 ex X1X; H+24/H+57 also).
1100z	03/23/00	WVDALT	40 (11244.0 ex X1X: H+24/H+57 also)
1143z	03/23/00	WVDYBP	24 (11244.0 ex X1X [E-6B])

 -Strings heard from USN stations-----

0407z	03/24/00	W4RHXQ	27 (ex I9Q during exercise)
0434z	03/24/00	TBPRVC	24 (ex I9Q during exercise)

1445z	03/27/00	PK75RL	179
2318z	04/06/00	J4AYWD	21
1831z	04/09/00	J4ZAVT	49 (disregarded in 1st reading at the 49th character. Long for this series)
2238z	04/10/00	5ZJVXX	147
1740z	04/11/00	5ZBFFM	91 (ending 14-character block)
1914z	04/14/00	5ZWT44	133
0656z	04/15/00	5ZUTG5	82
1615z	04/18/00	J4HG5T	23
1553z	05/04/00	5ZZUPM	98
1734z	05/04/00	5ZF4ET	165+/- (distinctive formatting)
0712z	05/05/00	5Z4J3S	75
1712z	05/05/00	5Z....	unk (GHFS dead on all freqs; too wk)
2251	05/12/00	5ZQHCK	151+/-
1915z	05/13/00	PV6NHJ	19
0025z	05/14/00	PVNWQS	23
1715z	05/27/00	5ZDTHL	216
2234z	05/30/00	5ZMZO A	105
1637z	06/10/00	5ZFUSB	251+/-
1942z	06/11/00	5NNTIQ	155
0700z	06/14/00	5NCMW4	94
1443z	06/16/00	5NWRDS	136
2346z	06/18/00	5NGQ5D	175
1929z	06/19/00	5NULZT	unk
0511z	06/21/00	5N4LKL	105

0306z	06/25/00	5NQI4H	48
08??z	06/25/00	PV7T3Q	43+/-
2237z	06/28/00	5NY3RP	237 (During exercise)
0509z	06/29/00	5NE6KT	152
2230z	06/30/00	5N6UXN	105
1821z	07/03/00	5NFWFX	176 (ending 23/14 character block)
1520z	07/14/00	5N5G00	81
1537z	07/18/00	5NXB3L	175
1605z	07/25/00	5NB7HD	89 (ending 14 character block)
1846z	08/08/00	E4?534	#6 (maybe 46) ex AUTOMATIC (NAOC)
1851z	08/08/00	E4F5NI	48+/- ex AUTOMATIC
1903z	08/08/00	E4....	4# (maybe 46) ex AUTOMATIC
2311z	08/10/00	E434Y7	153+/-
0708z	08/21/00	E4UWDT	119
1730z	08/23/00	E4FA6P	175
0335z	08/24/00	E4KIRM	242
1900z	08/25/00	E4FDPT	45
2203z	08/28/00	E473G6	152
1426z	08/29/00	E4UXQB	121
0235z	09/05/00	E464WQ	155
1355z	09/12/00	2UJGLU	190
1510z	09/15/00	2UPQ7A	89 (ending 14 character block)
1800z	09/15/00	2UK6X3	169
2026z	09/15/00	2UD2PY	39
2056z	09/20/00	2UYENA	185
??38z	09/16/00	2U7PXI	131
1621z	10/01/00	UA30BF	82
2004z	10/02/00	UAMM6D	85
1609z	10/03/00	UA3VSR	75
1816z	10/05/00	UARA7A	34
1915z	10/06/00	UAQVJK	116
0625z	10/13/00	UAR75Z	117
1617z	10/16/00	UAB4SR	174+/-
0414z	10/25/00	UAGI3X	50
0630z	10/25/00	UAALZH	212
0406z	10/26/00	UAZBWS	181 (23/14 ending block; net)
1600z	10/28/00	UAHYGW	96+/-
0241z	10/29/00	UAISHN	136
0846z	11/01/00	?BWKf6	178+/- (23/14 ending block)
1704z	11/18/00	UAJBL6	94 (character count msg)
1948z	11/20/00	UAXPVX	119
0658z	11/24/00	UAJAUN	135
0824z	12/04/00	UAWGGC	126 (23/14 ending block)
2059z	12/07/00	UAFSHO	60
0652z	12/11/00	P5FLED	176
1049z	01/03/01	P5HUG4	85

1621z	01/11/01	P52KEY	151
0716z	01/12/01	P5EBZE	89 (ending 14 character block)
1758z	01/19/01	P54ZSK	227
1550z	01/23/01	P5QWLZ	119
1742z	01/23/01	P5ZKBM	102
0730z	01/26/01	G03VE7	27 (?)
2058z	01/31/01	P5EHPU	114
1648z	02/05/01	P5STQL	226
1539z	02/06/01	P5JZT7	119
1955z	02/10/01	P5NEIK	73
2025z	02/11/01	P5YYSL	78 (cc statement)
0718z	02/14/01	A2LWAH	105 (23/14 ending block)
1723z	02/19/01	A2ZDVO	101
2016z	02/26/01	A2J5TD	114 (cc statement)
2022z	02/26/01	G0J7ZA	31 ex TEAM WORK (cc statement)
2111z	02/28/01	A266NR	81 (cc statement; also ex NAOC)
2121z	02/28/01	A2LTPM	237 (ex NAOC on 11244.0)
2136z	02/28/01	A22FVZ	48 (ex NAOC on 11244.0)
1421z	03/03/01	A2X7H5	179 (23/14 ending block)*****
1821z	03/03/01	A2WQOE	131 (ex SILICATE)
2157z	03/06/01	G0TXJK	19 (ex COGNIZANT/NAOC)
1412z	03/12/01	A2R630	119
2116z	04/14/01	A2KIHJ	81
1917z	05/02/01	U7TPAB	70 (cc statement; ex PLUS SIGN)
0308z	05/06/01	Y252T2	48 (cc statement)
0306z	05/08/01	Y2LVWC	252 (cc statement)
1456z	06/03/01	Y2HORY	174 (cc statement; 14 char block; repeated template)*****
1630z	06/08/01	Y2N5YR	100 (weak cc statement; +/-)
0701z	06/11/01	Y2MTK2	208 (cc statement) 15 char formatting
1846z	06/11/01	Y2TJI7	75 (cc statement) ex PULL MOTOR
1559z	06/22/01	Y2RFJB	155 (cc statement)
2226z	06/28/01	Y2KMMX	155 (cc statement)
2110z	07/31/01	WDS571	16 (no cc statement)
0230z	08/27/01	TCKUJC	136 (cc statement)
0326z	08/27/01	TCKUJC	38 (cc statement ex LANDFALL) subset
0704z	08/29/01	TCJKVX	130 (cc statement) 25 char block
0157z	09/05/01	WDVKIP	27 (no cc statement ex ANDREWS)
1820z	09/07/01	TC3E..	75 (cc statement ex SAFEFIRE 9016)
2000z++/--	09/19/01	Unk	175 (probably a cc statement)
1608z	09/21/01	TC5GZA	137 (cc statement)
2209z	09/24/01	TCBOQU	89 (cc statement)
2224z	09/25/01	TCGPXS	93 (cc statement)
1616z	09/28/01	TC5RB?	175 (cc statement)
1633z	10/03/01	TCXUK7	155 (cc statement)

2149z-	10/03/01	QUUU3U	48 (cc statement)
2047z	10/15/01	QU47D4	175 (cc statement)
1800z	10/20/01	QUNEUU	92 (cc statement)
2045z	10/26/01	WDMKA3	27 (no cc statement)
0749z	10/28/01	QUB2PG	130 (cc statement) 14 char block+
2218z	10/31/01	QU26HF	155 (cc statement)
2052z	11/09/01	2SG336	75 (cc statement)
2056z	11/09/01	2S7VX3	48 (cc statement ex ABUNDENT)
0810z+/-	11/10/01	2S....	137 (cc statement)
1538z	11/11/01	NGFKTK	27 (no cc statement)
1520z	11/15/01	2SL3LP	137 (cc statement)
2159z	11/16/01	2SNOYM	124 (cc statement)
1812z	11/28/01	2S6W4P	80 (cc statement)
1445z	12/05/01	2SMLVI	155 (cc statement)
1703z	12/16/01	2SGHG3	156 (cc statement)
2022z	12/17/01	2SN6EW	80 (cc statement)
1929z	12/21/01	2SMDYM	48 (cc statement)
1551z	12/27/01	2STY33	133 (cc statement)
2030z	12/31/01	LY35YS	54 (cc statement ex DECK HAND)
0041z	01/05/02	LYCLQZ	48 (cc statement)
1250z+/-	01/07/02	LY....	130+/- (cc statement)
1848z	01/11/02	LY4GD5	222 (cc statement)
1905z	01/14/02	LYJJJ2	183 (cc statement; formatting)
1230z+/-	01/15/02	LY....	180+/- (cc statement)
1510z	01/31/02	LYZ7CK	183 (cc statement)
0820z	02/09/02	LY4EEK	153 (cc statement)
1711z	02/09/02	LYJKEG	155 (cc statement)
1823z	02/19/02	IZFSGE	200 (cc statement)
1740z	02/26/02	IZ5PJY	38 (cc statement)
1844z	03/04/02	IZ7DAN	96 (cc statement)
2234z	03/16/02	IZMZ23	183 (cc statement)
0811z	03/20/02	IZ4IGC	48 (cc statement)
0830z	03/20/02	IZ5HTN	48 (cc statement) repeated @ 0833z
0842z	03/20/02	IZ4T45	27 (no cc statement)
0244z	03/21/02	IZNYK3	48 (cc statement)
1908z	03/29/02	IZ7CRP	137 (cc statement)
2132z	04/07/02	CU033L	200 (cc statement)
1813z	04/08/02	CUF23C	48 (cc statement)
0347z	04/10/02	CUSKTN	105 (cc statement) WORNTHIN;HAYFEVER
1733z	04/17/02	CUSFIN	214 (cc statement) ex OFFUUT 11244.0
1610z	04/24/02	CU2DHA	233 (cc statement)
1620z	04/27/02	CU4DRC	48 (cc statement)
1908z	04/30/02	CU5334	153 (cc statement)

1846z	05/21/02	AZQZWP	174 (cc statement)
0838z	05/27/02	AZ3UIJ	158 (cc statement)
1530z	05/31/02	AZTDAQ	75 (cc statement)
1235z	06/15/02	AZL2WC	105 (cc statement)
2042z	06/18/02	Unk	80 (cc statement)
1820z	06/21/02	AZRZVD	48 (cc statement)
0628z	06/22/02	AZRQSY	153 (cc statement)
1614z	06/25/02	AZXXML	223 (cc statement ex MCCLELLAN)
1727z	06/29/02	AZH3OZ	156 (cc statement)
0020z	07/02/02	CG7YWK	74 (cc statement)
1604z	07/22/02	CGWBTC	195 (cc statement)
0627z	08/08/02	CGD5BD	89 (cc statement)
0748z	08/21/02	SN4B4N	137 (cc statement)
0522z	09/20/02	SNDCOL	89 (cc statement)
1657z	09/21/02	SNQDGA	195 (cc statement)
1051z	09/27/02	SNTGVO	153 or 158 (cc statement)
1954z	10/08/02	G60372	44 (cc statement)
1339z	10/10/02	G6PW3J	137 (cc statement)
1514z	10/12/02	G2P55Z	48 (cc statement)
1628z	10/20/02	G6LTVQ	121 (cc statement)
1712z	10/26/02	G6JFER	149 (cc statement)
1540z	11/02/02	G6TH40	75 (cc statement)
2236z-	11/07/02	G63VBX	27 (cc statement ex trigraphs exerc)
1625z	11/12/02	G6H35G	161 (cc statement; JUDICATE also)
0330z	11/20/02	G6G4GC	183 (cc statement; RESECTION; GG03)
1349z	11/20/02	G6BBIF	171 (cc statement; NECTARINE; GG03)
1404z	11/20/02	G6IA50	171 (cc statement: NECTARINE; GG03)
0533z	11/21/02	2JBXBR	74 (cc statement; LOOPHOLE; GG03)
0544z	11/21/02	2JBXBR	80 (cc statement; SYMPHONY; GG03)
0644z	11/21/02	2JHBC2	183 (cc statement; LANT/PAC; GG03)
1733z	11/21/02	2JIVYT	176 (cc statement; PORTABLE; GG03)
0412z	11/22/02	2JGDYN	176 (cc statement; HFGCS; GG03)
1105z	11/24/02	2JIP3S	143 (cc statement)
1418z	11/26/02	unk	148 (cc statement ex MOTIVATE)
1608z	11/30/02	2J6J4B	80 (cc statement)
0211z	12/01/02	2J5PGZ	31 (cc statement)
1827z	12/07/02	2JYEHU	154 (cc statement)
1932z	12/09/02	2JCZ3V	27 (no cc statement)
0644z	12/14/02	JCB07P	58 (cc statement)
1851z+/1	12/16/02	JKVGQW	48 (cc statement)
1859z	12/22/02	2JGK7R	53 (cc statement; distinctive format)
2200z	12/22/02	3VUBM2	54 (cc statement; distinctive format)
1715z	01/05/03	3VPPH5	89 (cc statement)
1634z	01/07/03	3VPKDJ	154 (cc statement)

1405z	01/08/03	3V....	137 (cc statement; 1432z ex MILLINER)
1631z	01/22/03	3VVP7G	75 (cc statement)
1620z	01/29/03	3VLZFN	153 (cc statement)
1515z+/-	02/07/03	3VJYNE	206+/- (cc statement)
1635z-	02/12/03	3VDJ6E	84 (cc statement; 14-character end)
1818z	02/12/03	JROWQ6	75 (cc statement)
1922z	02/26/03	JRLQ5W	142 (cc statement)
1500z--	03/04/03	JR....	142 (cc statement per LVH)
0147z	03/11/03	4G...	23 (no cc statement; maybe unusual)
1544z	03/19/03	2R?2LP	130 (cc statement)
1855z	03/19/03	2R????	84/82 (cc statement but weak)
1551z	04/02/03	2R205L	68 (cc statement)
1923z	04/03/03	2R56WB	143 (maybe; cc statement)
0214z	05/07/03	UMGAFO	98 (cc statement; TACAMO exercise)
0252z	05/08/03	UMKTIO	175 (cc statement; TACAMO exercise)
1450z	05/11/03	UMYIXB	93 (cc statement)
1518z	05/15/03	UMXWX5	137 (cc statement)
1630z	05/17/03	UMWHT4	145 (cc statement)
1542z	05/22/03	UMOU2X	147 (cc statement)
1546z	05/26/03	UMVU77	48 (cc statement)
0740z	05/28/03	UMK4YR	142 (cc statement)
1430z	06/19/03	UMBWKG	unk (cc statement; too weak to id)
1938z	06/20/03	UMEHMJ	31 (cc statement)
2037z	06/21/03	RNL3X2	137 (cc statement)
1955z	07/10/03	RNR7GR	176 (cc statement)
0617z	07/13/03	RNKKOF	140 (cc statement)
2?23z	07/21/03	RNF4WN	95 (cc statement)
0404z	07/28/03	RNYUUV	105 (cc statement)
1323z	07/28/03	KWARQ6	34 (cc statement)
1726z	07/29/03	KWD4C4	147+/- (weak cc statement)
1447z	08/04/03	KW6YSQ	105 (cc statement)
1453z	08/06/03	KWI2RQ	172 (maybe; cc statement; weak/UR)
1720z	08/06/03	KW???C	75 (maybe; cc statement; weak/UR)
1425z	08/15/03	KWGUZF	162 (cc statement)
2019z	08/22/03	KWHT2K	105 (cc statement) 25 character fmt
1636z	08/23/03	KWRPUR	105 (cc statement; much duplicated)
1647z	08/25/03	KWXYZD	102 (cc statement)
1951z	08/26/08	LMPBNL	20 (no cc statement)
1829z	08/26/03	KWFFC2	147 (cc statement)
0610z	08/30/03	ZSJVJS	105 (cc statement ex STEAMCAR)
1257z	09/05/03	LMDKTG	19 (no cc statement)
1529z	09/08/03	ZSW3UW	162 (cc statement)
1718z	09/08/03	ZSC4WH	140 (cc statement)

1841z	09/15/03	ZS2ZFU	157 (cc statement) 14 character
2140z	09/15/03	ZSZ5YQ	222 (cc statement)
0039z	09/22/03	LMHPJ3	16 (no cc statement)
2047z	09/24/03	ZSKDHL	105 (cc statement) 25 character fmt
1648z	09/27/03	ZS6PCI	140 (cc statement)
2217z	09/27/03	LMLEWB	19 (no cc statement)
1838z	10/02/03	ZS07M6	108 (cc statement)
1535z	10/04/03	ZSR???	82 (cc statement)
1517z	10/09/03	ZSSZR3	94 (cc statement) 14 character
2125z	10/09/03	ZSYIMB	105 (cc statement) 25 character fmt
1532z	10/13/03	3FDB7C	89 (cc statement)
1855z	10/13/03	3F5T4X	102 (cc statement)
0730z	10/29/03	3F5JBE	57 (cc statement) formatting
0808z	10/29/03	3FYKI3	78 (cc statement) formatting
1811z	10/29/03	3F4BJ3	2?? (cc statement)
1836z	10/29/03	3FKGBE	171 (cc statement)
1905z	10/29/03	3FYW6Y	48 (cc statement)
2024z	10/29/03	3F4BJ3	257+-(cc statement/muffled; by count)
1240z-	10/30/03	3FP5QL	48 (cc statement)
1240z-	10/30/03	3FSFFR	75 (cc statement)
1441z	10/30/03	LJJAVN	32 (cc statement)
1625z-	10/30/03	LJUB25	53 (cc statement)
1521z	11/04/03	3FGMHV	82 (cc statement)
1825z	11/09/03	3FVNSO	27 (no cc statement)
2046z	11/14/03	R7BRAA	16 (no cc statement)
1855z	11/15/03	L3GA3S	102 (cc statement ex player)
1510z	11/22/03	53W3EL	178 (cc statement)
1722z	11/22/03	53BX2B	94 (cc statement)
2230z-	11/27/03	536Z4W	112 (cc statement)
1412z	12/05/03	537SGW	157 (cc statement)
1833z	12/11/03	53UOZV	115 (cc statement)
1919z	12/13/03	53MJ5P	110 (cc statement)
0851z	12/14/03	R7XCVH	16 (no cc statement)
1916z	12/16/03	53434P maybe	120 (cc statement)
1905z	12/17/03	53Q???	unk (too weak to copy)
2138z	12/26/03	R7DLZ4	43 (cc statement)
1527z	12/27/03	536UBJ	125 (cc statement)
1743z	01/05/04	53SXXF	48 (cc statement)
1507z	01/10/04	53BMW7	145 (cc statement)
2015z	01/11/04	53HNHL	105 (cc statement ex PARCHESI)
2019z	01/14/04	54HFZ6	110 (cc statement; 54 is correct)
1441z	01/18/04	54CAFE	115 (cc statement)
1812z	01/18/04	54D3FI	140 (cc statement)
1706z	01/19/04	KA3LXE	20 (no cc statement; ?)
1517z	01/28/04	54KSSY	94 (cc statement)
1724z	02/06/04	R75LVU	16 (no cc statement)

1807z	02/06/04	54JHVR	73	(cc statement)
2039z	02/07/04	R72UNE	25	(no cc statement)
1810z	02/20/04	54ZYDO	105	(cc statement)
1913z	02/21/04	54BUVS	157	(cc statement)
1945z	02/23/04	54UPTV	48	(cc statement)
1934z	02/24/04	54MJXA	58	(cc statement; ex ART SHOW)
1513z	02/28/04	WLSQUT	166	(cc statement)
1438z	03/09/04	WLSVQB	94	(cc statement) 14 character
1521z	03/16/04	WLQM74	157	(cc statement) 14 character
1526z	03/20/04	WLHFIL	142	(cc statement)
0858z	03/30/04	WLZRHY	178	(cc statement) 14 character
1911z	04/10/04	WLWUBI	48	(cc statement)
1346z	05/03/04	I04XCU	94	(cc statement)
1607z	05/04/04	IOLY5N	227	(cc statement)
1842z	05/05/04	I0SCG6	237	(cc statement)
1554z	05/19/04	IOEQWQ	27	(no cc statement)
1704z	05/22/04	IOXEI3	45	(cc statement)
1527z	06/05/04	I02NQ?	126	(cc statement) maybe
1845z	06/05/04	I06QNN	115	(cc statement) 14 character
1315z	06/19/04	IO...	15?	(cc statement) psble 14 charc.
1642z	06/19/04	I0WL3B	161	(cc statement)
1415z	06/26/04	??????	1##	(cc statement; missed it)
0406z.	06/21/04	ZZPACD	20	(no cc statement)
1525z	06/26/04	?3QBHG	142	(cc statement)
1825z	07/08/04	43XP2R	154	(cc statement)
0228z	07/22/04	ZZMNYS	96	(cc statement)
1600z+/-	08/02/04	JEXV6N	105	(cc statement)
0804z	08/05/04	JETLW3	94	(cc statement)
0605z	08/14/04	4LF7JE	64	(cc statement)
0444z	08/17/04	4L22MA	66	(cc statement)
2139z	08/18/04	4LTC6J	70	(cc statement)
0414z	08/21/04	JEFG5N	81	(cc statement)
1959z	08/23/04	4LFST2	63	(cc statement)
0505z	09/03/04	4LFUV4	74	(cc statement)
0224z	09/06/04	4LMM2N	67	(cc statement)
1926z	09/11/04	4LFZB0	28	(no cc statement) unusual 28 ch.
0330z	09/16/04	RHLCGM	49	(cc statement)
1500z	09/16/04	RHHQKP	199	(cc statement)
1808z	09/16/04	RHYOE5	140	(cc statement)
0536z	09/17/04	GXB7DW	41	(cc statement)
1523z	09/25/04	RH7AQP	142	(cc statement)
0830z	09/27/04	RHMRRT	178	(cc statement)
1312z	10/04/04	RHPZ4K	161	(cc statement)
1656z	10/04/04	RHX6TA	161	(cc statement)
1819z	10/07/04	unk	140	(cc statement)

1320z	10/08/04	RHX6TA	161 (cc statement - maybe stopped)
0733z	10/08/04	3RP3XD	15+/- (no cc statement) ???
0458z	10/20/04	AGTABK	67 (cc statement)
1850z	10/27/04	AGSJYY	33 (cc statement) exercise
2134z	10/27/04	AGCN45	148 (cc statement) exercise
0013z	10/28/04	AGYHTA	163 (cc statement) exercise
0320z	10/28/04	AGDIM3	48 (cc statement) exercise
0710z	10/28/04	AGXBZR	163 (cc statement) exercise
0804z	10/28/04	AGH32X	217 (cc statement) exercise
1933z	10/28/04	AG762E	48 (cc statement) exercise
2000z	10/28/04	AGDE2X	217 (cc statement) exercise
1430z	11/02/04	AG????	1#3 (cc statement) missed it
0843z	11/05/04	AG3S4E	103 (cc statement) 14-character end
2052z	11/08/04	AG4CKL	48 (cc statement)

1442z	12/29/04	DBWEQT	103 (cc statement)
1620z+-	01/03/05	DBZIBO	113 (cc statement)

2340z	02/23/05	GVX6NT	27 (no cc statement)
2216z	03/11/05	GVG2KC	48 (cc statement)
2126z	03/18/05	GV5MOA	48 (cc statement)
1630z	03/21/05	GVDLL3	148 (cc statement) PULL MOTOR format
1947z	03/28/05	SEMGV6	48 (cc statement)
0408z	03/30/05	SE2XXY	118 (cc statement) repeated character
0944z	04/07/05	SE4LAU	140 (cc statement) format in string/14
1435z	04/08/05	AHJHGX	48 (cc statement)
1208z+/-	04/13/05	SES200	75 (cc statement)
1219z	04/13/05	SEUL7Y	48 (cc statement)
2333z	04/14/05	SER6LH	217 (cc statement) format in string
1500z	04/16/05	AIMPDQ	161 (cc statement) 24 char ending
0038z	04/22/05	AI4WTM	110 (cc statement)
2110z	05/04/05	unk	65 (cc statement)
2204z	05/04/05	unk	65 (cc statement)
1625z	05/06/05	AI2YBQ	48 (cc statement)
1228z	05/14/05	AI7???	140 (cc statement)
1424z	05/14/05	AIF36P	161 (cc statement) 24 char ending
2031z	06/06/05	AHEJXD	49 (cc statement)
2004z	06/10/05	Unk	105 (cc statement)
1417z	08/19/05	UJ7ZSY	140 (cc statement)
2140z	10/26/05	D324ZJ	48 (cc statement)

0011z	10/27/05	D3TPP6	81 (cc statement)
1420z	12/03/05	D3KARY	141 (cc statement)
1430z	12/09/05	WRAKXL	18 (no cc statement) ?
1430z	12/09/05	WRJRTE	37 (cc statement) ?
1430z	12/09/05	WR5EV6	33 (cc statement) ?
1503z	12/09/05	WRGEDA	18 (no cc statement) ?
1430z	12/12/05	WRW5BN	28 (no cc statement) ?
1430z	12/12/05	WREUYA	27 (no cc statement) ?
1443z	12/12/05	WRGATD	23 (no cc statement) ?
1432z	12/16/05	FEU2TI	152 (cc statement)
2005z	01/09/06	FEHYZN	48 (cc statement)
2219z	01/10/06	FETYAU	48 (cc statement)
2141z	01/21/06	FEU3FP	159 (cc statement)
1435z	01/28/06	FED2DH	140 (cc statement)
1604z	01/28/06	FEJ5GM	133 (cc statement)
2003z	01/30/06	NEMNJQ	16 (cc statement) EU ex?
1300z rebcast	01/31/06	FT....	28 (no cc statement) EU ex?
1323z	02/01/06	5TIURQ	36 (cc statement) EU ex?
1345z	02/01/06	5TOX5Z	18 (no cc statement) EU ex
1526z	02/01/06	5TDA2P	33 (cc statement) EU ex
1132z	02/02/06	5TKK7Q	33 (cc statement) EU ex
1232z	02/02/06	5TMFH2	41 (cc statement) EU ex
1259z	02/02/06	5TV2KB	41 (cc statement) EU ex "garbled"
1316z	02/02/06	5TV2KP	41 (cc statement) EU ex clean
1334z	02/02/06	5TGNU2	18 (no cc statement) EU ex
1421z	02/02/06	5T7SVgarbled	18 (no cc statement) EU ex "garbled"
1426z	02/02/06	5T7SVM	18 (no cc statement) EU ex clean
1303z rebcast	02/03/06	5TDWKQ	27 (no cc statement) EU ex
1340z	02/03/06	5TJ5WU	28 (no cc statement) EU ex

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The following is a tentative outline of the FOXTROT messages (aka "SKYKING" bcsts.) My location in Texas is not normally a good location for reception of stations outside of CONUS - this is not written in stone, and much of it could be incorrect.

FOXTROT broadcast areas (very tentative):

Draw an arc from HICKAM, through ELMENDORF, through THULE, through CROUGHTON, to LAJES.

Inside the arc: Stations seem to use one set of FOXTROT bcsts.

Outside the arc: Any station at or outside this arc seems to use another set of FOXTROT bcsts.

Exception: ENLIST and FAIRLY bcsts can originate 'inside the arc', but are apparently to be echoed by stations *only* at or outside the arc.

Inside the 'arc': North American GHFS stations (CONUS):

OFFUTT; MCCLELLAN; and ANDREWS.

Outside the 'arc': Non-continental-U.S stations.

Stations heard here:

YOKOTA; ANDERSEN (tentative); HICKAM; THULE; CROUGHTON; LAJES; ELMENDORF; INCIRLIK (very tentative.)

Never heard:

BAYONNE (inactive); ASCENSION.

(This 'segmented' activity does not suggest totally CONUS-centric activity.)

FOXTROT transmission patterns:

Inside the 'arc':

Prior to 01 Jun 92, all FOXTROT broadcasts were sent to 'callwords.'

After 01 Jun 92, and for an apparent few months timeperiod, the FOXTROT broadcasts would be directed to station names: "MCCLELLAN, ANDREWS.

Request you echo the following:..."

After this brief post-Jun 92 period, the following patterns seem to be in use:

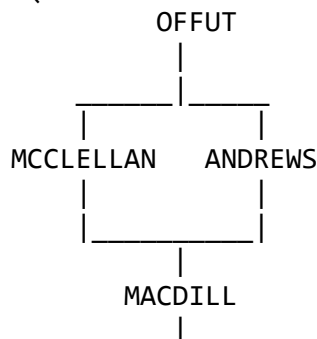
FOXTROT bcsts to 'callsigns'

DECENT (or DESCENT?)

Callword seems to indicate CONUS-centric activity

Order of DECENT/DESCENT 'echo:' (a superset of the old MAINSAIL SAC universe.)

(Pre Mar 1995 order)



ALBROOK

Since around March 1995, ANDREWS (and sometimes MCCLELLAN) will trail MACDILL, and even ALBROOK.
1998: ALBROOK and MACDILL no longer exist
FAIRLY (sounds like): "Request you echo the following".
Echos heard.
Rare CONUS echo participation.
HICKAM, THULE, and maybe another heard echoing a FAIRLY bcst, which suggests a non- CONUS function.
ENLIST: "Request you echo the following"
08/15/95: OFFUTT with an ENLIST FOXTROT bcst that was echoed by an unid station (could not make out) and HICKAM. No obvious CONUS stations heard in this rotation.
08/31/95: ELMENDORF initiating an ENLIST bcst, echoed by at least THULE and others (but not CONUS.)
09/03/95: ELMENDORF initiating an ENLIST bcst, echoed by THULE and HICKAM (heard.)
EYESTRAIN: "Request you echo the following"
09/18/95: OFFUTT initiating an EYESTRAIN bcst, with no echo heard.
These "EYESTRAIN" prefaces are said to be common to FOXTROT broadcasts initiated by INCIRLIK.
DEFROSTER: "Request you echo the following"
09/23/96: OFFUTT initiating a FOXTROT broadcast prefaced with DEFROSTER. No echo heard.
These "DEFROSTER" prefaces are said to be common to FOXTROT broadcasts initiated by CROUGHTON.
MAINSAIL: "Request you echo the following"
Appeared to be a call heard from YOKOTA.
Weak ehcoing stations are heard.
OFFUTT heard once with a MAINSAIL call (0450z 24 Aug 95.)
HICKAM was heard participating in the echo.
ALL STATIONS: Once from ALBROOK (now closed).
A very strange incident: 11243.0 2025z 12/28/94: ALBROOK with "All stations, all stations. Request you echo the following: SKYKING SKYKING do not answer - HNG 25 YZ." On same freq 2028z OFFUTT with "DECENT, DECENT. Request you echo the following: HNG 28 ZR", whereupon the thing was echoed by other CONUS stations.
Sometimes, only single FOXTROT bcsts are heard from OFFUTT and ANDREWS that do not seem to be part of a cycle, and are not apparently echoed, nor do they seem to have an initiating station. However, it is suspected that these transmissions were initiated by stations such as YOKOTA or ELMENDORF or whoever, with the initiating station not propagating to my location (an all to common situation).

Outside the 'arc':

Stations at and outside the arc have been heard initiating FOXTROT bcsts to 'callwords.'

YOKOTA: To MAINSAIL and FAIRLY; probably ENLIST

ELMENDORF: ENLIST and FAIRLY

Heard echoed by THULE and HICKAM among others.

Probably others as well - specifically CROUGHTON.

Other stations have been heard initiating FOXTROT bcsts with a 'request you echo the following..'

Example: YOKOTA

Example: Possibly THULE - it may have been an echoed bcst.

A station that I have never heard initiating a FOXTROT bcst:

HICKAM.

Because of propagation, it's very hard to 'get a handle' on non-CONUS activity.

Usually, HICKAM or THULE or LAJES or CROUGHTON is heard with a FOXTROT broadcast.

In some cases, more than one station can be heard with the same bcst.

Crossing the 'arc.'

The ENLIST rotation that is initiated by OFFUTT, MCCLELLAN, or ANDREWS is apparently echoed at and maybe outside the arc.

Specifically, HICKAM and THULE have been heard with an echo.

The 'DECENT' rotation does not seem to cross the arc. Possible exception: HICKAM.

FOXTROT bcsts initiated by non-CONUS stations do not seem to cross the arc. (Example: ENLIST initiated by ELMENDORF.)

FOXTROT construction ('trigraph' 'timestamp' 'authentication');

Trigraph

All characters of English alphabet can be used.

It appears that, as with the EAMs (and 3-6-9 messages), the character set of the trigraphs contain all letters of the English alphabet, and the numerals 2; 3; 4; 5; 6; 7; and 8. They do not seem to contain zeros, ones, eights, and nines.

There are all alpha-character trigraphs; combinations of alpha-numeric trigraphs; and all numeric trigraphs.

The trigraphs *NEVER* change during a FOXTROT cycle.

Timestamp

Two digits that represent the minutes-unit of time of the broadcast.

The digits will change to reflect the time of bcst by a specific station.

Sometimes, the stations seem to fudge the timestamp (missing the minute-change.)

Authentication

Two-character time-dependent authenticator with an apparent two minute "window".

FOXTROT precedence:

Appears to have the highest precedence of any transmission on the GHFS.

Example of precedence:

All GHFS traffic will cease for an EAM transmission.

All GHFS traffic will cease for a FOXTROT transmission.

All EAM transmissions will immediately terminate for a FOXTROT bcst.

Is there anything on the GHFS with higher precedence???

Such as a "Flash Override precedence" bcst?

FOXTROT 'echo' sources:

Per msg 1316 (03/16/95) of conference 10 of the Grove bbs (long purged), Larry Van Horn 'sourced' AUTODIN capabilities of the GHFS (using the latest 'flip'), and noted that ALBROOK does not have AUTODIN capability yet it participated in the DECENT rotation. The implication being that the FOXTROT echo bcsts are taken from off-the-air xmsns of the initiating station.

09/21/95: THULE comes up on 8968.0, calls ELEMNDORF (unheard here), asks ELMENDORF a question about his 'echo' (PAPA JULIET ECHO.) THULE must've received an answer, because a few seconds later THULE was up with a FOXTROT 'echo' of GJE 31 SL. Implication: THULE took the bcst from an off-the-air bcst.

FOXTROT frequencies:

FOXTROT broadcasts are heard on all GHFS frequencies.

Unlike the EAMS, FOXTROT bcsts are not heard on any other frequencies.

FOXTROT = F = "Force"?

Other presumed FOXTROT broadcasts:

'YELLOWBLOOD' 3/2 DNAs heard on 6788.0; 11191.0; 11243/4.0.

Presumed USN related; possibly USMC. But not sure.

Station that broadcasts these xmsns never id's itself.

Broadcast is sometimes echoed by at least one other station, again with no id given.

These bcsts sometimes indicate the use of a schedule (example:

53+- minutes after the hour in late 1994.) [not heard since].

Transmission pattern:

'YELLOWBLOOD, YELLOWBLOOD. Do not answer. Break "trigraph timestamp authentication."'