

# ENIGMA 2000 NEWSLETTER



<http://www.enigma2000.org>



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## **Spy Radio [presented at Bletchley Park, to RSGB's National Radio Centre]**

Detail inside

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See last page also.

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# Editorial

We welcome three new members.

## V32

The appearance of the new Farsi station V32 has been very interesting and taken a lot of monitoring time.

V32 was first heard around 1800z 28th Feb, 2026 as US/Israeli forces attacked Iran at 0200 and 1800z [0530 and 2130 Iranian Local Time.

The signal has a male voice [apparently a natural speaker according to our Iranian translator] with the transmission starting with 'Attention, Attention Attention' [Tavajjoh in Farsi] followed by a string of numbers. Groups, if they exist, are hard to distinguish. The numeral string lasts in excess of 60m; extending to 64 or beyond 90m.

After much exposure to the worlds media jamming commenced around 0200z 5th March, continuing across both transmissions at 0200 and 1800z to date. The jamming has been described as Bubble Jamming 'the same as used on Radio Fouda' but the source has been identified as an Iranian Naval Modem.[We cannot confirm this].

With the strong Jamming signal being prominent the obvious conclusion is that the message transmission is not generated by the Iranian Government; safe to suggest it originates outside of Iran and its purpose, if it has one, may be messages for the 'resistance.'

A frequency shift to 7842kHz was again well advertised by those who felt they had a necessity to do so. They have, of course, helped Iran's SIGINT operators.

I received a notification from RNGB; I was tucked up with my granddaughter so was unable to listen but it was interesting new member Hiram posted what can only be described as a test message on 7842kHz, but at 1629z. Lots of usual noise plus one very distinct 'Hello.' Another member reports 'A distinctive Windows sound was just heard at 1840-ish' which is also interesting.

### Please update your Active Station Lists:

Family 0 V32 OM USB Farsi, natural accent. OM [Two voices]  
Starts: Attention Attention Attention  
then a number string, groups, if any, not well defined  
Three msg strings each starting Attn x3  
  
Ends: Attention or Attention Attention Attention, or just closes abruptly.  
  
First heard 1800z 28thFeb on commencement of hostilities against Iran  
Two transmissions known 0200z and 1800z  
Original frequency 7910kHz subjected to jamming from 0200z 5th March 2026  
necessitating a change of frequency [7842kHz 1800z 7th March 2026]  
but with changes expected.

13/03/2026 Five figure groups started.

Signal can be copied across Europe and in UK; best signal allegedly heard via a Greek SDR

## Cyprus as V32 Origin: or anywhere else nearby?

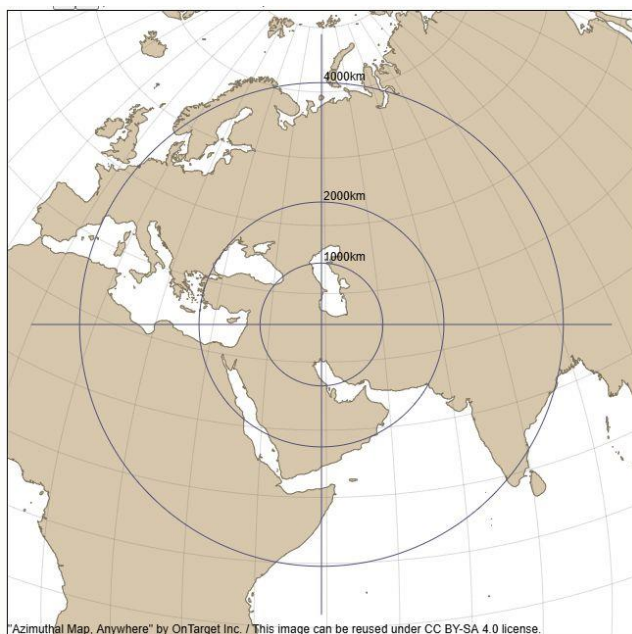


Fig 1

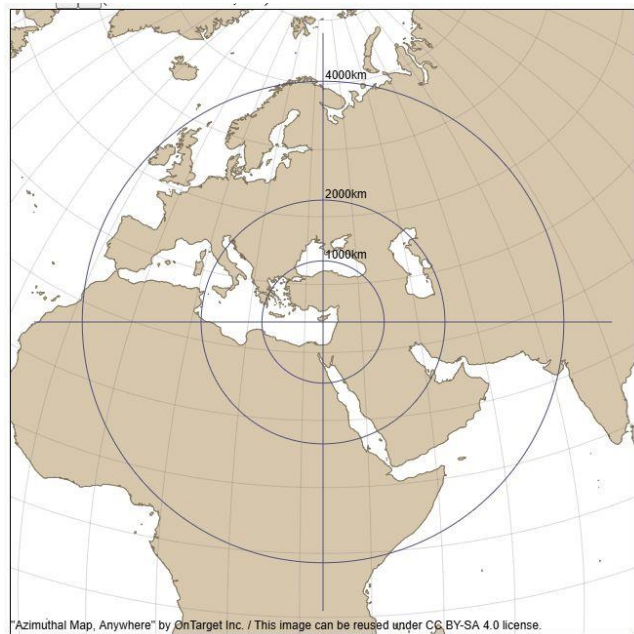


Fig 2

Reports suggest good signal strengths in Greece and Italy. Our Priyom colleagues suggest 'somewhere in western Europe' in the Financial Times article for the origin; they may well be right.

Fig 1 indicates Tehran at the centre of an Azimuthal map, Fig 2 shows distances from Cyprus [and up a bit for Athens, Greece].

It is well known that those who receive Number Station/Clandestine messages do not have massive antennas. So, nearer the better. Ground wave good, short to medium hop better.

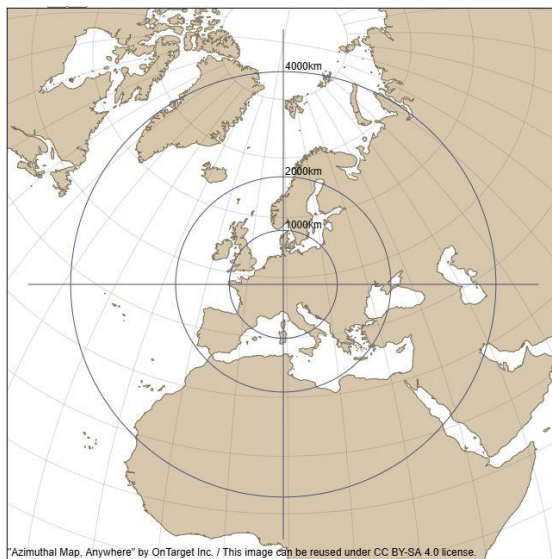
Later reports indicate that transmit power has been reduced drastically, the odd characters heard in the early morning sendings. Change of location too? Possibility but if not that totally discounts the original TDMA derived location, along with unofficial sneaky beaky stuff lurking outside others 'bases' with a field strength meter!

Theory, and why not?

In the 1980's the US Embassy Athens transmitted a massive signal on a number of frequencies: 3186, 4910, 5271, 7434, 7626, 7645, 10255, 10285, 14360, 18459, 18543kHz; using CW it transmitted its call sign, KWS78 on a loop. There was even a TTY output transmitting a test slip 1234z 08/02/1985 [425/100N]. Their TTY signal could be heard on 7821kHz. Real dominating signals which begs the question about the power output and antennas used. If KWS78 sent a continuous 'all's well' transmission; why not V32 as a One Way Voice Channel [in CIA speak], there's four freqs near enough as previously used.

Cyprus, Germany, Iraq or Greece? Food for thought. What antenna is used, omni-directional or beam? Will we ever know? Probably not. Best not say more ☺

**We will not discuss recent matters of source that may or may not be correct.**



Range from Germany to Iranian area

It's worth noting that yours truly has been contacted by a number of news media outlets for a statement on V32; none were given. It is not our policy to unwittingly help someone else's SIGINT capability by trying to be first with information concerning a station that might, or might not, be an embarrassment to those opposed to Britain and her and her allies; or, of course vice versa.

[\[I'd like to know who advised the Star 'newspaper' early March citing ENIGMA2000. It wasn't us\]!](#)

***Please refer to logs under V32 for additional information. The section has been extended so as not to fill the Editorial with work on this new Farsi language one way voice station.***

(Thanks to all concerned with V32 information: Ary, BR, BRIXMIS, Daryl, Hiram, Hugh, Jochen, MNDBS, PLdn, RNGB, Token! Troper) Apologies to anyone left out.

**Whilst we're at it, would this agent please clear his Dead Letter Box/Contact his Controller/Return to your safe house; or do even darker stuff?**



***Too many of these 'lost passports' nowadays. They'll be finding HMG's lost sensitive laptops in Tapa Bars and Railways stations next!***

# BP Spy Radio Front Cover story

On Saturday 21<sup>st</sup> February at around midday, and in RSGB uniform [*Certain members reading that will understand why I added the uniform bit*], two persons walked into the RSGB's National Radio Centre in Bletchley Park.

Introducing themselves we discussed a little about spy radio and suchlike and then the gentleman stated he had in his possession a spy radio. After collecting it from the car park he unpacked the heavy cardboard box to lay out a radio, headphones and Morse Key.

An interesting and weighty piece; it was found in the loft in a pub near to the US used airfield at Bovingdon. In its own alcove there was also a newspaper of old date and the other supporting apparatus; a key in the Vibroplex style and a pair of headphones. I was joined by another staff member, no names no pack drill here, who like me was well interested.



Radio Top and Front



All imagery © Paul Beaumont  
Radio back

A label affixed to the unit stated the radio was a Phillips 2512 unit. Looking at images as supplied we recognised the valves as a Rectifier plus two Pentodes.

Given the presentation of a Morse Key the other staff member and I discussed what we had in front of us, misleading ourselves, and the owners, that we had a TxRx unit with simple switched oscillator TX and TRF Rx. How wrong we were.

The owners left a dongle with us with a video of the area and location of the find. I viewed this at home and did some detective work that night [I'd only been up since 0400z]. I was surprised to see one of these units for sale on Ebay UK. The description stated manufacture in 1921.

The next day, household duties complete (I also cooked the dinner) I carried out some more searches without much success. I eventually admitted defeat and did a post on NSIST. Bingo! Lots of valid help, including circuit diagram and makers reference. [*My thank to those assisting members*].

The unit was manufactured 1930/1931 by Phillips. A speaker was also available for this Receiver. The wavebands covered were Medium and Longwave.

It is, of course, disappointing for the owners, However the unit may have had some clandestine use, such as that seen in a variety of WW2 films where the audience sees members of the French Resistance receive messages over BBC transmissions and then nip out and blow up the nearest railway line. The German war machine was as capable as sending such messages as the Allies. [Read 'The Third Reich is Listening' by Christian Jennings]

One of my late friends, the Romeo Spy, related to me how he received his instruction depending on what music opened the Radio Moscow show on a certain day/time. Usually a clear or load his DLB, list supplied elsewhere.

Such can be proven with the story of another, earlier, British KGB spy, Frank Clifford Bossard. His Wikipedia entry is interesting and tells a little more than my mate John was prepared to relate to me:

"Bossard was given nine [dead drops](#) around the city. He was instructed to listen to [Radio Moscow](#) at 7:45 a.m. and 8:30 p.m. on the first Tuesday and Wednesday of each month. One of five popular Russian songs would be played and Bossard was to proceed differently according to which one was broadcast—*The Volga Boat Song*, for instance, indicated that an operation was to be abandoned" [https://en.wikipedia.org/wiki/Frank\\_Bossard](https://en.wikipedia.org/wiki/Frank_Bossard)

I like to think the unit was used by an embedded spy who fled as the war changed direction taking his SW TxRx with him and limiting his weight by leaving the 2512 [its quite heavy] and his Morse Key – you need some real practice to use a bug key, let alone a Vibroplex style key. Not for the faint hearted, I suspect.

The Headphones were Hi Z with 2000Ω headphone assemblies. Interestingly they followed the well known Brown and Sharpe pattern but were made by TEL in Beeston, Notts.

An interesting radio with a history that hasn't really been answered completely; in fact, yet another enigma as 'E' would sometimes write. We finish with images of the key and headphones.



Note spring and switch on Morse Key

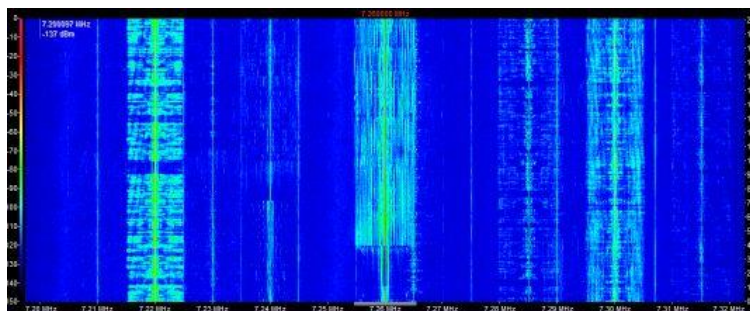


TEL Headphones, made Beeston, Notts

Thank you to the owners for giving me permission to use the images from Bletchley Park and for relating their story here. [P Beaumont]

# Radio China International

The peculiar Portuguese [and other occasional language scheules] continues unabated, with frequency changes as expected. The latest 7260kHz 2200z to 2258z daily throughout April as I type this:



This image 2200x 14/04/2026. Beautiful flute music. About time my Chinese Honeytrap appeared [not Chi this time], Cheongsam, non smoker, around 40'ish and must wear Cheongsam; decorative pins in hair and must be able to discuss the Chinese penetration of CARICOM, rice and oil markets in depth.

A variety of RCI slots were monitored across March and April; generally very strong signals, that on 18/04 very strong on my HF225 and 40m 0.25 λ vertical tuned by SEM TranZMatch.

On that night I was sent a message from RobE2k saying he had monitored **Radio Farda** earlier on 5860kHz. Once in my shack to write up my few logs [the garden, under the stewardship of my wife] has called for some serious surgery; mowing the lawn the simple bit. Scaling the apple tree meant a massive lopping operation much helped by a neighbor and today the bagging up of the various detritus.

Whilst I was also willing to help clear up the potting area I was planning my next move, the restringing of my 80m EFHW, meaning I will soon be active on HF once again.

I tuned the vertical up for 5860kHz and also heard Radio Farda; tuning again at 2259z I hear it again, just over QSA9 but with the bubble jammer doing its bit; adjusting my phase noise limiter; the frequency and switching in my BHI Dual inline noise eliminating module I can enjoy a clearer audio, I finally switched off at 2307z as its up early for more garden shenanigans. Still going strong as I finish and close down at 2320z 18/04.

## Newscasts:

### Number Station story update:

### Iran ‘activating sleeper cells’, US officials warn as security across London stepped up Metropolitan Police given more time to question four men arrested in Harrow, Watford and Barnet on suspicion of spying for Tehran regime

<https://www.standard.co.uk/news/crime/met-police-iran-activating-sleeper-cells-us-donald-trump-b1274120.html>

The US has intercepted encrypted communications that may serve as “an operational trigger” for “sleeper assets“ outside Iran, according to reports.

A federal government alert had been sent to law enforcement agencies, ABC News said.

It stated the signal “likely of Iranian origin” had been relayed across multiple countries shortly after supreme leader Ayatollah Ali Khamenei was killed in a US-Israel strike last month.

The intercepted transmission was encoded and appeared to be destined for “clandestine recipients” who possess the encryption key.

**So-called “covert operatives” receive instruction without the use of the internet or mobile networks.** [NONSENSE RUSSIA & CHINA USE APPS]

The memo said: “While the exact contents of these transmissions cannot currently be determined, the sudden appearance of a new station with international rebroadcast characteristics warrants heightened situational awareness.”

**On Sunday, it was reported an SAS team has been moved to London amid fears Iranian sleeper cells in the UK could launch a series of terrorist attacks. The Ministry of Defence did not confirm or deny the Daily Star Sunday story.** [ENIGMA2000 mentioned ☺ ]

The Metropolitan Police and National Police Chiefs’ Council were approached for comment.

Dr Andreas Krieg, an associate professor in security studies at King’s College London, said UK spies are on high alert for Iranian sleeper agents plotting attacks in Britain.

Dr Krieg added: “Periods of heightened confrontation create incentives for Tehran to demonstrate reach.

“A leadership shake-up can trigger riskier signalling if decision-makers feel threatened.”

Such cells traditionally harass Iranian dissidents but could feasibly be “repurposed for retaliation”, providing surveillance or “introductions to criminal intermediaries”, he said.

Retaliation could also see state-backed Iranian terrorism or cyber operations against critical British infrastructure, such as banks and energy supplies.

The i Paper reported there could be “thousands of individuals” who might see an “opportunity and a cause to attack now”, possibly as “lone wolves”.

In a worst-case scenario, an intelligence source warned the UK could potentially witness another 2017 when five incidents claimed 40 lives and injured more than 900 injured, the deadliest being a bombing at an Ariana Grande concert in the Manchester Arena.

Detectives from Counter Terrorism Policing London have been granted more time to question four men arrested on suspicion of spying for Iran on locations and individuals linked to the Jewish community.

It means the suspects, one Iranian and three dual British-Iranian nationals, who were arrested under the National Security Act, can be held in custody until March 13.

The men, aged 22, 40, 52 and 55, were held at addresses in Harrow, Watford and Barnet shortly after 1am on Friday.

Scotland Yard said six other men, aged between 20 and 49, detained at the same location in Harrow on suspicion of assisting an offender have been bailed pending further investigation.

One of the men was further arrested on suspicion of assaulting a police officer, the force added.

Last week, Qatar announced the arrest of 10 suspects it said were part of two cells operating for Iran’s Revolutionary Guard Corps. Seven had been assigned to spy on “vital and military facilities”, while three were tasked with carrying out sabotage operations.

Oil prices have soared above 100 dollars a barrel for the first time since 2022 in response to the conflict.

Chancellor Rachel Reeves has said the Middle East crisis is “likely to put upward pressure on inflation” over the coming months.

Her warning about the impact of America and Israel’s war with Tehran came after Prime Minister Sir Keir Starmer said the longer it continues, the more likely it is there will be economic damage in the UK.

Reeves added she was ready to support “a co-ordinated release” of international oil reserves to ease the economic shock of the crisis and called for action to “guarantee the security of vessels passing through the Strait of Hormuz”.

The Chancellor met the finance ministers of other G7 nations on Monday to discuss the possibility of such a release, but it concluded without agreement on any solid action.

<https://www.standard.co.uk/news/crime/met-police-iran-activating-sleeper-cells-us-donald-trump-b1274120.html>

## **Former MI5 worker cleared over leaks to foreign power by reason of insanity**

By Editorial Team

Published 20th Mar 2026, 14:39 BST

<https://www.expressandstar.com/uk-news/former-mi5-worker-cleared-over-leaks-to-foreign-power-by-reason-of-insanity-6183755>

Mr Justice Hilliard had ordered the week-long trial at the Old Bailey to be heard largely behind closed doors.

A disgruntled former MI5 employee has been cleared of breaching the Official Secrets Act by repeatedly leaking sensitive information to a foreign power because he was mentally unwell at the time.

Former government IT contractor Juan Joseph, 43, emailed the foreign state and even travelled to Latvia attempting to arrange a meeting at an embassy there as he pursued a complaint against MI5.

Mr Justice Hilliard had ordered the week-long trial at the Old Bailey to be heard largely behind closed doors in the absence of the public and press to “avoid the risk of damage to national security”.

On Friday, jurors found Joseph not guilty by reason of insanity after Mr Justice Hilliard told them that experts agreed the defendant was in the grip of mental illness to the extent he did not think he was doing anything wrong.

The jury deliberated for less than an hour to reach verdicts on all charges against him.

The court heard that Juan Joseph visited Latvia and attempted to arrange a meeting at the embassy of a foreign power (Nick Ansell/PA) Mr Justice Hilliard remanded Joseph to Broadmoor Hospital for a hearing on April 15 when the defendant could be handed a hospital order.

The court heard that Joseph had the highest vetting clearance during his 11 years at MI5 as a systems engineer, security IT management engineer and senior support engineer.

His contract was terminated in October 2020 after he was taken to St Thomas’s hospital in London displaying what colleagues described as “mental fragility”, “extreme anxiety” and “paranoia”.

He discharged himself before he could be assessed, and at a meeting to terminate his contract in October 2020, Joseph claimed to have been “victimised” and “gaslit”.

The defendant also made a series of unfounded complaints against MI5 about racist treatment and “highly disturbing” claims, including rape, child abuse, and torture, jurors were told.

He also claimed a swastika had been put up in the office and he was injected with a hypodermic needle containing something that made him “very poorly” while at Thames House, MI5’s headquarters.

Joseph made contact with the foreign state in 2024 after a bid to bring a private prosecution for assault in 2019 was rejected.

He applied for a judicial review by the High Court and began copying an email linked to the foreign state in to his communications.

On December 8 2024, Joseph travelled to Riga in Latvia where he sent two emails requesting a meeting at a foreign embassy there.

He was stopped by police at Gatwick Airport on his return on December 15 and refused to hand over codes to seven digital devices, claiming he was an MI5 officer and needed authorisation.

On January 13 2025, Joseph copied in a foreign state in another email complaining about his treatment by police at Gatwick Airport.

On his arrest at an Ibis Hotel on January 30 2025, he maintained he was an “armed MI5 officer” and a lock knife was found in his pocket.

A search of Joseph’s home nearby led to the discovery of a homemade card falsely identify him as an MI5 officer.

In police interviews, Joseph claimed to be a “whistleblower” and said he had done nothing wrong and had passed polygraph tests.

He claimed to be a black belt in taekwondo with training in ninja-style knife and sword techniques at Thames House and was allowed to carry a blade for “defence”.

On the allegations against him, he said: “I can only reiterate, there’s no malice there, there’s no wilful intent for me to hurt anybody.

“I’m not a threat to the country, I would never do that you know. It’s quite hurtful that people are saying things like that about me and that’s the God’s honest truth.”

The defendant, from Sutton, south London, denied four charges under the Official Secrets and National Security Acts and having an article with a blade or point – but declined to give evidence in his defence.

The court was told there was no dispute that Joseph had contacted the unnamed foreign state, but three psychiatrists had agreed he was suffering with paranoid schizophrenia and delusions.

In his directions to jurors, Mr Justice Hilliard said it was an “unusual trial” and a verdict of not guilty by reason of insanity would allow him to make a court order to ensure Joseph receives any treatment he needs.

Before the trial began, the senior judge had ruled a departure from Open Justice was necessary to avoid the identity of the foreign state or the nature of the material disclosed by Joseph from becoming public.

<https://www.expressandstar.com/uk-news/former-mi5-worker-cleared-over-leaks-to-foreign-power-by-reason-of-insanity-6183755>

Tnx Male AnonNI

*‘E’s’ splendid Newsround can be found after the logs sections*

## **Espionage assessment published by Swedish Government**

Article for E2K by Lars Sandberg

In January 2026 our government published what may be the most comprehensive unclassified study of espionage in Europe to date. Produced by our main intelligence agencies, the Security Service (SAPO), the National Defence Radio Establishment (FRA), and the Military Intelligence and Security Service (MUST), the report analyses 70 individuals convicted of espionage across 20 European countries between 2008 and 2024. For E2K | offer a summary of this document and a few thoughts about its contents.

The counter-intelligence implications for NATO / EU member states and the broader security community are significant. The conclusions show how hostile adversaries such as Russia, China and Iran are recruiting European citizens to betray their countries. Of the 70 convicted spies, 47 were working for Russia, two-thirds of the total. China accounted for six cases, Iran for three, and Belarus for two.

From Russia, the GRU (Main Intelligence Directorate) was the most prolific recruiter, responsible for seventeen cases. The FSB (Federal Security Service) followed with fourteen, and the SVR (Foreign Intelligence Service) with six. The dominance of the GRU is notable and its prominence suggests that Russia’s espionage priorities in Europe focus on military, defence, NATO-related targets and hybrid warfare. When the Ukraine war ends (if it does) then more resources will likely be directed at the West as Russia seeks payback for our support to Kiev.

The study notes that the numbers may partly reflect heightened European vigilance towards Russian activity since the invasion of Ukraine in 2022. However, the number of cases revealed shows the scope of Russian activities in Europe and Russia is the defining the HUMINT threat in Europe today. The geographical distribution of convictions is as revealing. Estonia leads with nineteen convictions, followed by Germany and North Macedonia with eight each, Lithuania with seven, and Latvia with six. Three cases were identified in each of Greece and Sweden. The remaining countries, including Austria, Belgium, Denmark, France, Italy, Hungary, the Netherlands, Poland, Portugal, Romania, Slovakia, Spain, and the United Kingdom, each recorded one or two cases.

Thirteen of the thirty-three EU and NATO member states surveyed had no espionage convictions during the period studied. The report identifies Ireland and the Czech Republic as particularly striking examples. The authors note that it seems very unlikely that Belgium, the centre of European Union administration and politics, as well as NATO HQ and SHAPE had only had two cases of espionage. How much activity is undiscovered? Also note that the report does not include espionage through cyber-attack and SIGINT, so how much information loss goes undetected?

This disparity, the authors argue, reveals more about how European states respond to espionage. Their legal frameworks may be inadequate or the political will is lacking to prosecute so it does not

reflect the actual scale of intelligence activity. Remember that absence of evidence does not provide evidence of absence.

I find the study's most interesting aspect is its new examination of spy profiles. A previous Swedish study identified five types but the current research expands this, reflecting the expansion and diversification of intelligence recruitment and the boundary between insider and outsider threats starting to disappear.

The suggested types used in the study are:

**The Traditional Insider-** with legitimate access to classified information within military or intelligence organisations.

**The Ideologist-** motivated by political belief or some loyalty to Russia or the former USSR.

**The Observer-** recruited to photograph or monitor military installations, often via social media platforms such as Telegram.

**The Disposable-** a low-value asset used for one-off missions, sometimes without full awareness of the crime being committed.

**The Intermediary-** a logistics person acting as a courier between handler and agent.

**The Multi-criminal-** engaged in both espionage and related activities such as sabotage or influence operations.

**The Specialist-** a non-military expert whose professional skills grant access to sensitive information such as an IT worker, scientist or engineer.

**The Mobile Spy-** exploiting EU freedom of movement and open borders with legitimate or illegal papers to operate across frontiers.

**The Connected Agent-** recruited through a diaspora, cultural, or religious networks with espionage rings composed of similar operatives working together.

Note that one person may fall into several categories. An Observer may also be a Mobile Spy; a Disposable may be part of a criminal network. An Insider may simultaneously be an Ideologist. The report's value lies in highlighting the increased and increasing complexity of recruitment profiles and their combinations.

The report questions the traditional security focus on insiders with top-secret clearance. Only about half of the seventy convicted individuals were traditional insiders. A large proportion were non insiders with no formal access to classified material but recruited to photograph buildings, military equipment, or troop movements. Seventy-two per cent were civilian employees rather than military personnel. The mean age at conviction was 48, ranging from 21 to 82. Almost all were male; only four were women, three of whom were married to a spouse who also got arrested.

The classic MICE model, Money, Ideology, Coercion, Ego, remains the most reliable framework for understanding why individuals agree to spy. The study finds strong evidence for each of these traditional components. More than half of those convicted, 41 out of 70, received financial compensation. However, payment does not necessarily indicate financial needs as their main motivation. Small initial sums are sometimes used as leverage for later blackmail and money is addictive in these austere times

Ideology remains a powerful driver, particularly in the three Baltic countries, where individuals with residual loyalty to Russia or the USSR were convicted of politically motivated espionage. Eighteen per cent displayed divided loyalties, and 41 per cent had some connection to the country that recruited them as an agent. Coercion appears in several cases, notably in Estonia, where young men involved in cross-border smuggling were blackmailed by the FSB into intelligence work. Ego and discontentment, including perceived career failure, inflated self-importance, boredom, or thrill seeking, are themes throughout the report.

What has changed is not agent motivation but the recruitment mechanism. Classic methods persist, including gradual relationship-building, honeytraps, and embassy-based cultivation. Alongside these, social media platforms such as Telegram, TikTok and Facebook are now used for recruitment and communication. The study identifies cases where Russian propaganda on TikTok appears to have prompted individuals to volunteer intelligence. Online gaming platforms and dark net sites serve as additional channels for recruitment, networking and exchange of classified material.

The data also suggests a rise in disposable agents since 2021. These individuals are recruited rapidly through digital channels, used briefly, and then discarded. This is an evolving, modern technique of what I call "gig-spying". This trend may have accelerated during the COVID-19 pandemic, when physical meetings were restricted and frustrated, isolated, disgruntled and broke individuals could be contacted via electronic means. It also likely reflects the number of SVR/GRU personnel expelled from Russian embassies across Europe due to the invasion of Ukraine. Opportunities for them to recruit and run sources have been reduced and Moscow's focus is likely to be on fighting and winning the war (good luck with that!) Numerous illegals have also been captured and publicised across the globe which is a major setback and demoralising for SVR/GRU. Imagine being a member of a super-secret elite force recruited and trained with much effort and expense and then you are exposed by journalists with your details splashed across the internet or the press and not knowing if you are next? Should you stay in place and hope/do a deal with security or fly home?

The study confirms Russia as an intelligence giant. Targets span military information, NATO

capabilities, troop deployments, weapons systems, operational plans, defence infrastructure, political intelligence, sanctions, EU migration policy, energy infrastructure, and identities of potential recruits. The list goes on and on with the threat constantly rising with the chance of war increasing. The energy dimension is particularly significant (like your gas/electric bills in UK!) The report links Russian interest in energy systems to hybrid warfare strategy, noting that sabotage of energy, transport, and communications infrastructure serves both military and political objectives, from disrupting supply to undermining democratic decision-making. Sweden and Finland's NATO accession is likely to intensify Russian intelligence activity in the Nordic region.

Another interesting finding concerns collection of seemingly innocuous information. Publicly available data may be used to verify intelligence, build agent relationships through low-risk tasking, or gauge public opinion before potential military action. Several convicted individuals were surprised that their information was considered sensitive. This highlights that intelligence value is defined by the collector, not the source. We probably don't know what they don't know.

Nine of the 70 convicted individuals had committed other crimes, including smuggling, trafficking, and sabotage. In several Baltic cases, smugglers were coerced into intelligence work by Russian services leveraging criminal exposure. Criminal networks provide clandestine infrastructure, cross border logistics, and a pool of suitable, immoral individuals. The conviction of six Bulgarian nationals in the United Kingdom last year for spying on behalf of Russia may indicate expanded use of mobile spy networks drawn from criminal or diaspora communities.

Europe's legal infrastructure is uneven and often inadequate. The absence of convictions in major capitals cannot credibly reflect absence of espionage. Belgium, hosting EU and NATO institutions, has produced only two convictions in seventeen years. The United Kingdom has clearly struggled to prosecute suspected Chinese spies and likely fears economic damage if it does.

The insider threat has diversified. Non-insider spy types, observers, disposables, mobile spies, and connected agents, require broader counter-intelligence focus putting security under strain as they deal with many other tasks. Civilians with specialist infrastructure knowledge are increasingly represented and EU freedom of movement enables cross-border recruitment, complicating national responses. Digital recruitment also lowers barriers to entry and can target the young, broke, disgruntled and vulnerable. Social media and encrypted platforms enable targeting at scale, while disposable agents create a widespread, diverse and harder-to-detect threat.

Our national study represents rare open-source intelligence research at national level. Its dataset reflects only a frightening fraction of espionage activity, yet the patterns are clear.

Russia's intelligence apparatus operates across Europe with breadth and persistence. The threat has diversified beyond military insiders and embassy officers to include ordinary citizens recruited online, criminal networks co-opted for intelligence, and mobile operatives exploiting open borders. Motivations remain constant; money, ideology, coercion and ego, but methods have evolved rapidly.

The growth of right-wing extremism and populism with concerns about the economy, immigration, polarisation and culture in a post-truth world which is turning upside down likely produce many susceptible individuals. Extreme right-wing, nationalist groups in France, Germany and Scandinavia likely provide a fertile breeding ground for sources that Russia could exploit. They could be used to stir unrest and create havoc undermining NATO and the EU thereby adding to a sense of fear in a rapidly changing Europe where old certainties are disappearing. It is hard to prove such activity and easy for Moscow to disavow using disposable human assets kept at arm's length. Every derailed train, warehouse fire, air crash and severed cable leaves a lingering suspicion of Russian involvement. Even if there isn't any covert activity, Moscow can silently benefit and there is no shortage of conspiracy theorists and disgruntled people to help build a story.

For Europe's security agencies the message is clear. The Cold War playbook never closed; it has been supplemented with new techniques. Regardless of the outcome of its war against Ukraine, Russia will likely seek to mount a permanent, vengeful covert campaign against liberal, prosperous, open, democratic Europe, with the UK certainly a high priority target. It blames the West for its losses in a war which has generated over one million Russian casualties and has gone on longer than the USSR's war from 1941-45 and will scar its economy for years. It is easy to blame others for your faults and to rally your people against an "external threat".

In a continent where some strategically significant states have convicted nobody of espionage, the question is not whether espionage is occurring, but how much remains undetected. If recruitment and communications continue to move on-line in the emerging espionage "gig economy" then we will probably see less radio traffic and operational visibility. The scale of espionage activity will likely become even harder to judge and possession of a smartphone is likely less incriminating than a short wave receiver. Less radio traffic is good for hostile intelligence services to hide themselves but bad for security agencies (and number station addicts!)

However, what happens if there is a real war (rather than the low-level hybrid one we are seeing now) and the internet, mobile phone networks and power supplies are inactive? Will they break out the short wave sets?

That is an ENIGMA...

*Tnx Lars.....*

# Morse Stations

All frequencies listed in kHz. Freqs are generally +/- 1k

This is a representative sample of the logs received, giving an indication of station behaviour and the range of times/freqs heard. These need to be read in conjunction with any other articles/charts/comments appended to this issue.

## Morse - Number Stations

**M01/2** XIV MCW, hand (463 sched for Mar- Apr). Will change to M01/3 sched ID 025 for May - Aug.

From the beginning of October 2022, all M01 transmissions sent have used a single carrier vs usual 'Two-Tone' transmission mode.

### March 2026:

5020	2000z	03 Mar	'463' 456 30 == 58833 48903 ... 50018 54327 ==	Fair, fast. No errors in msg. 3 x = sent at end msg.	BR	TUE
	2000z	10 Mar	'463' 461 30 == 04718 97045 ... 76881 97030 ==	Fari, fast. Excellent Morse with no errors. Perfect!	BR	TUE
	2000z	12 Mar	'463' 668 30 == 69878 44986 ... 23546 50987 ==	Fair, fast. Good Morse. DK GC sequences changed	BR	THU
	2000z	17 Mar	'463' 183 30 == 21435 76980 ... 64758 27384 ==	Fair. fast. Good CW. DK GC sequences changed	BR	TUE
	2000z	31 Mar	'463' 554 30 == 73846 35612 ... 65778 90900 ==	Fair with heavy QSB. Excellent Morse No errors	BR	TUE
5475	1800z	03 Mar	'463' 566 30 == 73643 38475 ... 54546 45678 ==	Fair with QSB, fast, hesitant delivery. Errors grp26-28	BR	TUE
	1800z	10 Mar	'463'	Strong	Hiram	TUE
	1800z	12 Mar	'463' 756 30 == 96870 48756 ... 44980 35421 ==	Weak, fast. Good Morse. DK GC sequences changed	BR	THU
	1800z	17 Mar	'463' 874 30 == 85769 38475 ... 64728 85746 ==	Fair, fast. Partial copy. DK GC sequences changed	BR	TUE
6260	1500z	07 Mar	'463' 982 30 == 43221 2004 ... 09981 90023 ==	NRH UK. Weak via Poland SDR. Many paired figs	BR	SAT
	1500z	14 Mar	'463' 873 30 == 89002 .8762 ... 9833 74211 ==	Fair with QSB, fast delivery. BC QRM. 4-fig Grps27-29	BR	SAT
	1500z	21 Mar	'463' 416 30 == 43089 40310 ... 18403 07020 ==	Fair with QSB, fast delivery. Good Morse	BR	SAT

### April 2026:

5020	2000z	02 Apr	'463' 295 30 == 92836 54873 ... 43542 08760 ==	Fair, fast. Excellent Morse. DK GC sequences changed	BR	THU
	2000z	07 Apr	'463' 284 30 == 74937 72947 ... 97489 34273 ==	Fair, fast. Grps01-21 excellent - then muddled strings	BR	TUE
	2000z	14 Apr	'463' 052 30 == 27463 75647 ... 48695 16457 ==	Fair, fast. Excellent Morse. DK GC sequences changed	BR	TUE
	2000z	16 Apr	'463' 276 30 == 42795 18345 ... 71946 27429 ==	Fair, fast. Noisy freq. +QSB 'Dits' between ending 0 0 0	BR	THU
	2000z	23 Apr	'463' 303 30 == 26483 91034 ... 78922 61787 ==	Weak, fast. Good Morse. Errors noted	BR	THU
	2000z	28 Apr	'463' 978 30 == 23142 09889 ... 23321 09900 ==	Fair, fast. Numerous errors noted in grps14-25	BR	TUE
5475	1800z	02 Apr	'463' 875 30 == 32546 87645 ... 15270 48364 ==	Weak, fast. Excellent Morse. DK GC sequences changed	BR	THU
	1800z	07 Apr	'463' 907 30 == 17436 18723 ... 78236 61543 ==	Weak with QSB, Fast. Errors noted. Double ==	BR	TUE
	1800z	09 Apr	'463' 349 30 == 56453 35435 ... 97909 87865 ==	Weak with QSB, fast. Poor copy. Errors noted	BR	THU
	1800z	14 Apr	'463' 238 30 == 87658 24352 ... 26354 97865 ==	Weak, fast. Poor copy. DK GC sequences changed	BR	TUE
	1800z	16 Apr	'463' 539 30 == .7493 .1648 ... 3316 .79085 ==	Weak, fast. Poor copy. 'Dits' between ending 0 0 0	BR	THU
	1800z	21 Apr	'463' 712 30 == 68759 40498 ... 10987 44909 ==	Weak, fast. Poor copy in places. Errors noted	BR	TUE
	1800z	28 Apr	'463' 970 30 == 12332 32113 ... 99452 43091 ==	Fair with QSB, fast. No errors. Many grps with 00 pairs	BR	TUE
	1800z	30 Apr	'463' 836 30 == 74857 26354 ... 2736 .95847 ==	Fair with heavy QSB. DK GC sequences changed	BR	THU
6260	1500z	04 Apr	'463' 713 30 == 9030 .56002 ... 25780 7.058 ==	Weak, fast. In many grps a figure replaced by a period	BR	SAT
6510	0700z	05 Apr	'463' 902 30 == 40554 58407 ... 07010 76540 ==	Fair, fast. Many errors in msg. DK sent as 903 at end	BR	SUN
	0700z	12 Apr	'463' 390 30 == 30590 50089 ... 4014 380 380 ==	Weak with QSB. Good to grp27. Muddled ending	BR	SUN
	0700z	26 Apr	'463' 321 30 == 91827 27364 ... 74213 64321 ==	Weak, fast. Good Morse. Numerical runs grps13-16	BR	SUN

M01/2	5020kHz	2000z	10 March 2026
463 (R4m)	461	461 30 30 ==	
04718	97045	48109 00671	60944 38190 65041 62970 65110 50800
64098	19704	65035 76281	08012 43970 64860 28510 80604 20075
50461	88451	96730 60481	87040 54830 16408 08403 76881 97030
		== 461 461 30 30 000	
<i>Courtesy BR</i>			

M01/2	6260z	1500z	21 March 2026
463 (R4m)	416	416 30 30 ==	
43089	40310	56300 37601	65980 35138 60409 56100 87455 83610
48391	65035	69090 47915	70365 86714 38671 93516 75945 12600
03713	86934	76037 15387	06813 60046 55613 97845 18403 07920
		== 416 416 30 30 000	
<i>Courtesy BR</i>			

**M12** IB ICW, some MCW / CW, short 0. Reuses many freqs year on year.

New ID's may be only for the month/sched shown, but not necessarily unknown. The reason for their reuse, some after long periods of time is unknown.

### Asiatic M12 Logs

18324/16112/ - - -	0200/20/40z	02 Mar	314 000	(Via SDR Japan)	BR	MON
12217/11467/10348	0800/20/40z	03 Apr	243 1 (4157 53)	37739 03658....	(Via SDR Japan)	FRI
	0800/20/40z	06 Apr	243 1 (5909 63)	95044 08977....	(Via SDR Japan)	MON
	0800/20/40z	10 Apr	243 1 (5909 63)	95044 08977....	(Via SDR Japan)	FRI
	0800/20/40z	13 Apr	243 1 (3874 78)	58559 71000....	(Via SDR Japan)	MON
	0800/20/40z	17 Apr	243 1 (3874 78)	58559 71000....	(Via SDR Japan)	FRI
	0800/20/40z	20 Apr	243 1 (8154 139)	92767 33623 ... 81413 34499 000	(Via SDR Japan)	MON
	0800/20/40z	27 Apr	243 1 (5891 149)	38415 15251....	(Via SDR Japan)	MON

**European M12 Logs**

**March 2026:**      **New scheds in bold type**

11564/10487/9319	1900/20/40z	05 Mar	258 1 (2380 155)	15512 44444....		BR	THU
	1900/20/40z	07 Mar	258 1 (2380 155)	15512 44444....		BR	SAT
	1900/20/40z	12 Mar	258 1 (2723 181)	02645 30271....		BR	THU
	1900/20/40z	14 Mar	258 1 (2723 181)	02645 30271....		BR	SAT
	1900/20/40z	19 Mar	258 1 (6347 187)	58866 05209....		BR	THU
	1900/20/40z	21 Mar	258 1 (6347 187)	58866 05209....		BR	SAT
	1900/20/40z	26 Mar	258 1 (9010 198)	95187 12116....36530 66941 000 000		Gert	THU
	1900/20/40z	28 Mar	258 1 (9010 198)	95187 12116....		BR	SAT
<b>11569/10218/9167</b>	<b>2200/20/40z</b>	<b>07 Mar</b>	<b>521 1 (4411 62)</b>	<b>53488 04782....</b>		BR	SAT
	<b>2200/20/40z</b>	<b>13 Mar</b>	<b>521 1 (7525 128)</b>	<b>96110 54166....</b>		BR	FRI
	2200/20/40z	14 Mar	521 1 (7525 128)	96110 54166....		BR	SAT
	2200/20/40z	20 Mar	521 1 (. . 2. 1 . .)	. . . . .	Very poor	BR	FRI
	2200/20/40z	21 Mar	521 1 (8525 129)	96130 .9615....		BR	SAT
	2200/20/40z	27 Mar	521 1 (1909 134)	56259 66261....		BR	FRI
	2200/20/40z	28 Mar	521 1 (1909 134)	56259 66261....		BR	SAT
12135/11452/10627	1900/20/40z	01 Mar	573 1 (437 27)	18685 99696....91570 63029 000 000		Gert	SUN
	1900/20/40z	02 Mar	573 1 (6095 107)	61087 91241....		BR	MON
	1900/20/40z	08 Mar	573 1 (6095 107)	61087 91241....		BR	SUN
	1900/20/40z	09 Mar	573 1 (3263 110)	54045 16860....		BR	MON
	1900/20/40z	15 Mar	573 1 (3263 110)	54045 16860 ... 62532 56304 000 000		Gert	SUN
	1900/20/40z	22 Mar	573 1 (7359 103)	85538 21862....		BR	SUN
	1900/20/40z	23 Mar	573 1 (3978 118)	49 .44 78872....		BR	MON
	1900/20/40z	29 Mar	573 1 (3978 118)	49244 78872....		BR	SUN

**April 2026:**

10431/11075/12138	2100/20/40z	03 Apr	401 1 (1909 134)	56 .5 . . . . .		BR	FRI
	2100/20/40z	04 Apr	401 1 (1909 134)	56259 67951....		BR	SAT
	2100/20/40z	10 Apr	401 1 (2209 119)	22980 58998....		BR	FRI
	2100/20/40z	11 Apr	401 1 (2209 119)	22980 58998....		BR	SAT
	2100/20/40z	17 Apr	401 1 (2209 119)	22980 58998....		BR	FRI
	2100/20/40z	18 Apr	401 1 (2209 119)	22980 58998....		BR/E'	SAT
	2100/20/40z	24 Apr	401 1 (3835 201)	59081 63690....		BR	FRI
	2100/20/40z	25 Apr	401 1 (3835 201)	59081 63690....		BR	SAT
11564/10487/9319	1900/20/40z	09 Apr	258 1 (7122 179)	60636 97993....		BR	THU
	1900/20/40z	11 Apr	258 1 (7122 179)	60636 97993....		BR	SAT
	1900/20/40z	16 Apr	258 1 (9274 191)	30149 64986....		BR	THU
	1900/20/40z	18 Apr	258 1 (9274 191)	30149 64986....		BR	SAT
	1900/20/40z	23 Apr	258 1 (672 167)	16365 83188....		BR	THU
	1900/20/40z	25 Apr	258 1 (672 167)	16365 83188....		BR	SAT
	1900/29/54z	30 Apr	258 1 (4356 403)	16001 34400....	Tx times changed due to msg. length	BR	THU
12135/11452/10627	1900/20/40z	06 Apr	573 1 (5321 107)	73886 03068....		BR	MON
	1900/20/40z	12 Apr	573 1 (5321 107)	73886 03068....		BR	SUN
	1900/20/40z	13 Apr	573 1 (4080 117)	50562 13081....		BR	MON
	1900/20/40z	19 Apr	573 1 (4080 117)	50562 13081....		BR	SUN
	1900/20/40z	20 Apr	573 1 (700 237)	70320 15152....		BR	MON
	1900/20/40z	26 Apr	573 1 (700 237)	70320 15152....		BR	SUN
	1900/20/40z	27 Apr	573 1 (4185 106)	07853 06195....		BR	MON

M12	12135/11452/10627kHz	1900/1920/1940z	01 Mar 2026
573	573	573 1 (R2m)	437 27 437 27
18685	99696	13895 98671	65820 68367 22242 38591 40440 16688
05473	15190	33053 13970	07014 00103 28542 45317 12556 57670
44748	53354	74848 03558	59972 91570 63029 000 000
<i>Courtesy Gert</i>			

M12	12135/11452/10627kHz	1900/20/40z	15 Mar 2026
573	573	573 1 (R2m)	3263 110 3263 110
54045	16860	96714 59506	91767 73075 17196 02862 59903 88130
42284	49992	22833 11946	82505 31042 11129 96521 69989 61597
16370	42794	24796 60441	51869 12549 10629 15135 58792 88317
69485	14385	48366 25363	80311 83033 66140 33525 04519 55678
52691	39016	53152 64963	85184 99737 18146 34830 38642 67626
36639	80202	83237 71438	33658 11250 92062 36272 07637 79217
62446	02061	44069 71584	18645 27899 01626 97468 31634 99471
64900	77602	92002 14310	08905 77353 89641 59832 75255 52130
94401	75797	76491 91164	51677 89281 31147 76927 91703 69060
90969	29867	25888 25300	93231 50630 94946 81566 46317 57285
98111	20677	03196 39170	02725 59036 88199 68926 62532 56304
000 000			
<i>Courtesy Gert</i>			

M12	11564/10487/9319kHz	1900/20/40z	26 Mar 2026
258	258	258	1 (R2m) 9010 198 9010 198
12116	53185	20371	53579 77947 91327 83401 58320 57818 29399
95069	67346	37403	70958 97889 40092 64967 26398 63763 53525
70743	92207	93035	56407 80969 65323 65372 71117 11735 71313
86963	77448	03795	96988 00152 20893 91833 78455 83202 69137
57422	31200	33481	50397 58273 71674 59127 13044 81296 12167
17258	03146	17067	44086 24544 19907 60149 63963 72608 12624
25954	12284	46584	86503 42435 17620 63550 40413 70805 76996
48258	86510	43194	94625 96101 39542 58726 42637 98132 09295
06195	52328	89819	99566 54055 83817 60381 59707 72444 80244
60743	27870	05846	70578 43182 45138 84615 46977 07962 40653
08123	18714	42237	04300 63908 30746 59950 22441 47984 85000
61180	17511	65829	63313 06429 73624 22463 47016 32447 58616
57238	03843	67967	90560 16253 20387 80663 72615 51442 50962
54926	11749	34674	57479 01172 87479 10091 85519 35658 23308
23866	37940	11723	87443 19063 43231 62040 42532 64148 69556
22675	37598	14529	49345 83413 04280 50746 51676 88046 43521
50081	87334	70997	97020 30073 49431 82835 08349 62141 18948
63533	36942	11358	09138 34749 19298 92119 80522 71496 73020
58346	38131	08466	81884 28287 17328 97218 85328 74064 96890
36733	58413	97472	92136 73226 36530 66941 000 000

*Courtesy Gert*

M12	12217/11467/10348kHz	0800/20/40z	20 Apr 2026
243	243	243	1 (R2m) 8154 139 8154 139
92767	33623	37577	57086 14816 87497 09288 43262 81267 11953
13425	06274	64777	78905 25668 14716 89376 89217 31789 69629
65918	44616	90184	46299 97114 70276 06842 87569 66732 06146
01043	24308	91080	92139 10271 33122 30539 70007 32039 42826
61176	65603	78862	77195 26283 28289 00706 46115 33103 69861
28322	03189	05513	95348 87762 70149 77763 04933 03207 48128
93273	42852	81429	11812 36557 21300 74469 16099 97822 09500
57439	76349	27759	72234 97137 82578 61770 76041 37484 93104
92810	66060	56672	96893 77474 83075 76200 81518 31439 10054
61345	88449	26229	04462 38417 60751 59382 35041 34435 52534
78900	80568	62557	14052 41089 04618 41962 21501 58165 85032
29587	92828	61148	08314 92834 54347 42089 47511 74406 33972
56633	63836	07971	07980 97648 60228 69125 47331 61642 26570
59922	19963	15094	86328 21293 32431 41968 81413 34499
000 000			

*Courtesy Gert*

**M14** IA MCW / ICW Short 0

No Reports

**M23** O ICW

M23 seem to be pretty busy these days. More activity logged from the beginning of March. Once again, thanks to Ary, (AB) for alerting us to this activity & for his logs. The first log comes from 04 March on 6806kHz.

As always with M23 transmissions of late, the output is quite extensive & spread over a variety of times & frequencies. Thanks to Ary, much of this has been logged, & while we have done our best to log as much as possible, these logs may not be a complete, accurate record of activity.

6806	0605 – 0709z 0435 - 0709z	04 Mar 05 - 08 Mar	00000 (R) 33333 (R)	Faded in at 0605z - stopped at 0709z Fades in between 0400 & 0530z and ends at 0759z	AB AB/Hiram	WED
6806	0330 (IP) – 0331z 0345 – 0553z	10 Mar	7 (R) 7 (R)	Off at 0331z Off at 0553z	AB AB	TUE
	1957z	10 Mar	0 (R25m)	every 30 min.	AB	TUE
6806	0557z 0728z 1958z	11 Mar 11 Mar 11 Mar	0 (R) 0 (R)	Off 0654z Off 0753z	AB AB AB	WED WED WED
	0458z 0658z 2058z	12 Mar 12 Mar 12 Mar	0 (R5m30s), 3 (R4m), 7 (R4m)	(Sent twice, then off) (Sent twice, then off) (sent twice)	AB AB AB	THU THU THU
6806	0258z	13 Mar	3 (R25m)		AB	FRI

Another frequency was discovered is use on 08 March, thanks to an Ary, via a radio friend. This one fades out by evening & fades back in the early morning, so is probably running continuously around the clock.

18307	1027z (IP)	08 Mar	33333 (R)	with hourly beeps.	AB	SUN
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Monitoring the transmission over Monday, 09 March revealed a sequence of 0 3 7 0, each sent for 2 minutes, followed by 2 minutes of silence interrupted by a dash, before the whole sequence was repeated.

18307	0856 (IP) – 1615z	09 Mar	Dash, 0 (R), silence, 3 (R), silence 7 (R), silence 0 (R), silence, Dash, silence (all repeated)	Active all day Faded out 1945z Weak UK –Strong via France SDR during middle of day.	AB/BR	MON
	Example:		1028z 0 (R)			
			1030z 3 (R)			
			1032z 7 (R)			
			1034z 0 (R)			
			1036z Off Dash			

1038z 0 (R )  
 1040z 3 (R )  
 1042z 7 (R )  
 1044z 0 (R )  
 1046z Off Dash

This changed on Tuesday, 10 March to a series of zeros, each sent for 25 minutes, with a silent break between. The sequences started at H+58 & H+28

18307	0857 – 1953z 2228 – 0553z	10 Mar 10 – 11 Mar	0 sent for 25m at H+58 & H+28 Non-stop. 0 (R25m) every 30mins.	Off at 1953z Off 11 Mar 0553z	AB/BR/Hiram AB	TUE TUE/WED
18307	0758z 0858z 0928z	11 Mar 11 Mar 11 Mar	0 (R) 0 (R) 0 (R)		AB/BR BR BR	WED THU THU
18307	0858z 1058z 1258z 1458z 1658z 1858z	12 Mar 12 Mar 12 Mar 12 Mar 12 Mar 12 Mar	0 (R5m30s), 3 (R4m), 7 (R4m) (sent twice, then off) 0 (R5m30s), 3 (R4m), 7 (R4m) (sent twice, then off) 0 (R5m30s), 3 (R4m), 7 (R4m) (sent twice) 0 (R5m30s), 3 (R4m), 7 (R4m) (sent twice) 0 (R5m30s), 3 (R4m), 7 (R4m) (sent twice) 0 (R5m30s), 3 (R4m), 7 (R4m) (sent twice)		AB/BR AB/BR AB/BR AB AB BR	THU THU THU THU THU THU
18307	1458z	13 Mar	3 (R25m)		AB	FRI

On Monday, 16 March, 6961.5 kHz became active. Ary reports this QSO exchange, which was sent to Ary from another monitor:-

6961.5	16 Mar	1408z	RP de VM QRK 5 QSA 5 K DE RP QRK 3 QSA 2 K DE RP NR 2 1602 26 AA BESOIN REVISION MOTO BB SORTIE ANNULEE = AR AR		AB	MON
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Ary notes the use of AR AR at the end of the message, a feature which Ary found from old log sheets had been used to end M23 messages in the distant past. Note also the use of the same call signs VM & RP that have been seen in recent months on previous QSO exchanges on 6961kHz

The output of M23 has changed so much over the years, becoming in recent years mainly a series of figures or letters, so it was a pleasant surprise to receive these logs from Ary featuring number groups, once again.

6961.5	16 Mar	1433z	(LP) 00000 41641 44338 70994 65872 39127 27422 41586 03628 40731 29561 81970 AR AR			
6961.5	16 Mar	1625z	VVVV VVVVV VVVV  01150 32628 68434 61874 51278 24122 55497 00965 58338 79018 23815 40231 65854 75553 72556 62282 60092 70009 72730 41641 44338 70994 65872 39127 27422 41586 03628 40731 29561 81970  01150 32628 68434 61874 51278 24122 55497 00965 58338 79018 24704 40391 65854 75553 72156 62282 60092 70009 72730 41641 44338 70994 65872 39127 27422 41786 03628 40731 29561 81970 AR AR		AB	MON
6961.5	17 Mar	1010z, 1035z, 1057z, 1210z, 1713z, 1727z, 1756z	(Repeats of msg as 1625z 16 March)		AB/BR	TUE
6961.5	18 Mar	0657z, 0808z, 0832z 0910z 0911z 0947z 1015z 1527z 1531z 1533z 1534z 1536z 1536z 1537z 1539z 1546z 1713z 1728z 1743z 1758z 1818z 1836z	VVVV 55555 50505 55555 50505 55555 50505 55 [off] 55555 50505 55555 50505 5 [faded to nil] 55555 50505 (R10m42s) 55555 50505 (R1m36s) 55555 50505 (R45s) 55555 50505 (R25s) 50505 00000 (R6m) 50505 55555 (R33s) 55555 50505 (R45s) 50505 55555 (R41s) 50505 00000 (R59s) 50505 00000 (R13m) 50505 00000 (R12m) 55005 55555 (R10m) 55005 05050 (R11m49s) 50505 55555 (R10m) 50505 05050 (R11m50s) 50505 00000 (R13m)	( (Repeats of msg as 1625z 16 March)	AB	WED
6169.5	19 Mar	1650z 1730z 1747z	50505 05500 (R10m) 55005 05500 (R13m) 00550 05500 (R )	Good with QSB Good Good	BR	THU

6169.5	21 Mar	1015z 1021z 1700z 1800z	55005 05500 (R3m) 55005 05500 (R6m) 00005 05500 (R1h5m) 50000 05500 (R12m)	AB	FRI
6169.5	22 Mar	1700z 1715z 1730z 1745z 1800z	00005 55555 (R8m) 00550 55555 (R8m) 55005 55555 (R8m) 50505 55555 (R8m) 50000 55555 (R9m52s)	BR	SUN
6961.5	23 Mar	0945z	01230 32617 66110 50088 12890 55989 59792 03202 22509 79916 54819 82619 53964 01203 39790 91489 15977 82107 21277  01230 32617 66110 50088 12890 55989 59792 03202 22509 79916 54819 82619 53964 01203 39790 91489 15977 82107 21277 AR AR	AB	MON
6961.5	23 Mar	1845z 1900z	55005 55555 (R5m25s) 50505 55555 (R5m)	AB	MON
6961.5	24 Mar	1115z 1130z 1145z 1200z	50505 05050 (R6m) 55005 55555 (R5m30s) 00550 00000 (R7m) 00005 55555 (R6m)	AB	TUE

Two more frequencies found in use by Ary from Monday, 30 & Tuesday, 31 March. Firstly, on 13958 kHz, with a series of numbers on two afternoon schedules – The second starting 5 minutes after the end of the first transmission. This became a long-term schedule that is still ongoing at the end of April.

13958	30 Mar-31 Apr	1557 – 1622z	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	AB/BR	Daily
13958	30 Mar-31 Apr	1627 – 1652z	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	AB/BR	Daily

Hourly beep logged at 0857z & 0957z, 1357z

The second new frequency found on 31 March was 10380kHz sending 5 figure groups using 5 & 0, at 1257z & 1327z & from 01 April, the same number sequences as sent on 13958kHz at 0557z & 0627z. The afternoon transmissions on 10380kHz were only sent for three days, while the 0557z & 0627z schedules became another long-term run – Still ongoing at the end of April.

10380	31 Mar – 02 Apr	1257z	50505 55550 05550 05500 55005 (R25m)	AB	TUE-THU
10380	31 Mar – 02 Apr	1327z	50505 55550 05550 05500 55005 (R25m)	AB	TUE-THU
10380	01 Apr	0557z	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	AB	WED
	01 Apr	0627z	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	AB	WED

Hourly beep logged at 0757z, 0857z, 0957z 1057z 1557z & 1657z

### Coordinate Transmissions

'E' showed that coordinates were also sent on 11075kHz in various days in April, as shown in these logs:-

11075	06 Apr	1915z	48636017LA1511114LO	'E'	MON
11075	08 Apr	1915z	48636017LA1511114LO	'E'	WED
11075	17 Apr	1915z	48636017LA1511114LO	'E'	FRI

We end this sequence of logs on the same frequency as we started with as Ary also found the same coordinates being transmitted on 28 April on 6806kHz:-

6806	28 Apr	1857z	LO48636017LA1511114 (R25m)	AB	TUE
6806	28 Apr	1927z	LO48636017LA1511114 (R25m)	AB	TUE

Ary notes: If we assume these are coordinates, then there are two logical locations  
48.636017N 001.511114E Nogent-le-Roi  
48.636017N 001.511114W Mont St Michel

Finally, To round off the M23 section, we have a report from PoSW, who was also monitoring some of M23's activity over the last two months. Peter's unique style is always an interesting read:-

### M23 CW:- PoSW Report

What appears to be variations on the M23 Morse theme noted in March and April on 6806 kHz:-

- 09-Mar-26, Mon:- 1647 UTC, strong CW on 6806 sending long, i.e. 5-dash "0", had gone when checked just after 1700z. 1707:30s UTC approx.. starting up again with "0".
  - 10-Mar-26, Tue:- 1958 UTC, sending "0", strong signal, weak "XJT" churning underneath. Stopped before 2024z followed by a single "dash". Another "dash" heard at 2025:40s, started up with "0" again at 2028:24s UTC.
  - 11-Mar-26, Wed:- 0609 UTC, sending "0" in the morning, not on when checked just before 0700. 0728:20s UTC, starting up with "0". 2103 UTC, in progress with "0", weak "XJT" underneath.
  - 12-Mar-26, Thu:- 0702 UTC, sending "0" - and a bit of variety this morning:- 0704 UTC, sending "3"; 0704 UTC, sending "7"; 0712 UTC, "0"; 0717 UTC "3"; 0721 UTC, "7".
- Similar routine noted in the late evening:-

2104 UTC, "3"; 2108 UTC, "7"; 2112 UTC, "0"; 2117, "3"; 2121 UTC, "7".  
 Stopped sending at 2123:25s UTC followed by a single "dash".

Appears to have gone quiet after this, although on the following days a "dash" was heard at various times a couple of minutes before the top of the hour.  
 Noted by chance at the end of March that 6806 had come back to life again:-

31-Mar-26, Tue:- 1909 UTC, sending "LO48636017LA1511114", a group of nineteen characters which has been heard before, for example in July of last year at various times on 6961, 6937 and 7437 kHz.

01-Apr-26, Wed:- 1932 UTC, in progress with group as above, strong signal, stopped at 1953:20s UTC followed by a single "dash".

02-Apr-26, Thu:- 1858 UTC, starting up with "LO48...", had gone when checked at approx.. 1925 UTC but started up again after 1927.  
 Stopped shortly after 1953z.

Monitored on most evenings in April for a few minutes at some point within the above time-frame and has always appeared and has been a strong signal, still going in the last week of the month.

There has also been some CW activity "six down" from this frequency, not a number station but a bit of "private enterprise" on someone's part, perhaps:-

02-Apr-26, Thu:- 1715 UTC, 6800 kHz, CW, a bit fast for me but I read it as "VVV SWPIRATE EMAIL SIGNAL REPORT TO SW6800KHZ (something) PROTON.ME..."

- The "something" was "ditdahditdahdit", must be the "@" in an e-mail address,
- I had no idea that such a thing existed - was heard at various times over the following few days, sometimes it was on and sometimes not, was heard on 16-April at 1858 UTC but seems to have ceased activity in the third week of the month.

ENDS

*Many thanks for the report, Peter*

## Morse Stations - Not Number Related

### M51 XIX

3881//6825 100 grp 5-ltr messages with headers

No reports – M51b format in use

M51a (FAV22) Daily schedules Mon – Fri also Sat & Sun. See NL 72 for details

3881//6825

1131 - 1201z	07 Apr	Mardi-Leçon	12-2/1 Codé	12-2/2 Clair,	12-2/3 Codé,	12-2/4 Clair (600 grps/hr)	BR	TUE
1131 - 1201z	28 Apr	Mardi-Leçon	12-2/1 Codé	12-2/2 Clair,	12-2/3 Codé,	12-2/4 Clair (600 grps/hr)	BR	TUE
1131 - 1206z	01 Apr	Mercredi- Leçon	03-2/1 Codé,	03-2/2 Clair,	03-2/3 Codé,	03-2/4 Clair (720 grps/hr)	BR	WED
1131 - 1159z	30 Apr	Jeudi- Leçon	14-2/1 Codé,	14-2/2 Clair,	14-2/3 Codé,	14-2/4 Clair (840 grps/hr)	BR	THU

Transmission problems were noted on 01 April, with the Morse becoming a continuous tone at 1139z & 1146z, for approximately one minute, before resuming.

M51b Non-stop 5-character groups composed of M51a messages on 3881//6825kHz

3881//6825 2051z 18 Apr 5 ltr Nos, E SAT

### M89 O

This is a summary of activity from the M89 stations.

### **Traffic & Operator Chat from M89**

Traffic & Op. chat reported on the following freqs. (All in kHz).

3126	4044	4484	5012	5524	6201	6773	7058	8001	9058
3218	4081	4510	5013	5544	6205	6781	7426	8035	9090
3313	4113	4520	5021	5550	6210	6840	7530	8046	9100
3322	4122	4522	5024	5554	6234	6842	7589	8061	9228
3352	4131	4525	5058	5555.55	6240	6848	7652	8070	9254
3354	4165	4535	5065	5556	6254	6852	7689	8077	9996.58
3520	4177	4540	5072	5566	6267	6862	7735	8612	
3545	4190	4545	5102	5591	6318	6872	7786	8888	
3564	4206	4546	5107	5601	6323	6873	7883	8955	10086
3568	4211	4553	5109	5610	6352	6880	7951		10425
3574	4220	4554	5134	5618	6359	6890			11111
3597	4224	4555	5136	5638	6362	6899			
3611	4239	4583	5145	5642	6367	6924			
3641	4242	4600	5173	5645	6421	6928			
3654	4249	4610	5207	5665	6425	6987			
3666	4250	4635	5220	5678	6436				
3668	4252	4640	5230	5681	6454				
3678	4260	4657	5232	5689	6457				
3680	4266	4676	5236	5697	6490				
3749	4267	4716	5270	5710	6523				
3774	4271.85	4721	5278	5724	6556				
3784	4272	4725	5331	5732	6563				
3836	4278	4731	5349	5735	6581				
3849	4279	4744	5354	5751.65	6587				
3913	4283	4778	5357	5756	6587.20				
3994	4326	4782	5369	5763	6588				
	4327	4810	5380	5782	6633				

4347	4812	5388	5789	6644				
4348	4819	5389	5793	6655				
4351	4830	5397	5814	6666				
4355	4833	5399	5837	6667.77				
4356	4856	5402	5854	6727				
4365	4860	5411	5865	6735				
4378	4866	5419	5888	6771				
4381	4881	5424						
4396	4893	5430						
4397	4900	5453						
4422	4913	5455						
4426	4915	5466						
4444	4922	5471						
4451	4933.5	5486						
4474	4965	5506						
4478		5512						

**New Scheds for Mar / Apr 2026:**

**From logs submitted from JPL**

9251	New frequency for this Round Slip	First heard 03 March	TG1Y DE X9FW
3950	New Round Slip for this Frequency	First heard 10 March	VVV BZS (x3) DE OYS (x2) (R5) (Previously BZS DE OMB)
10931	New frequency for this Round Slip	First heard 20 March	Y3JI DE N6WX (Repeated)
7133	New frequency & Round Slip	First heard 02 April	V N3DT (x3) DE LZHI (x2)
5107	New frequency for this Round Slip	First heard 11 April	V N3DT (x3) DE LZHI (x2)
8040	New frequency for this Round Slip	First heard 14 April	V N3DT (x3) DE LZHI (x2)

The following transmissions have appeared since the beginning of November 2025 sending, what would appear to be a test Round Slip, moving from one frequency to the next.

4933.5	New frequency for this Round Slip	First heard 06 Mar 26	ABCDEFGHIJKLMN OPQRSTUVWXYZ TAU34567DN III AS VA M (Cont'd)
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**Chart of M89 Freq & Call signs heard in Mar / Apr 2026**

**New Scheds shown in Bold Type**

**From logs submitted from JPL**

<u>Freq in KHz</u>	<u>Call Slip</u>
3611	V TG1Y (x3) DE X9FW (x2)
3611//4522	V TG1Y (x3) DE X9FW (x2)
<b>3611//5419</b>	<b>V TG1Y (x3) DE X9FW (x2)</b>
<b>3611//4522//5419</b>	V TG1Y (x3) DE X9FW (x2)
<b>3950</b>	<b>VVV BZS (x3) DE OYS (x2) (R5)</b>
4508	V GC6U (x3) DE XYG2 (x2)
4522	TG1Y (x3) DE X9FW (x2)
4720	VVV WNF (x3) DE FXM (x2)
4860// 6840	V Q2M (x3) DE NYZ (x2)
<b>5107</b>	<b>V N3DT (x3) DE LZHI (x2)</b>
5419	V TG1Y (x3) DE X9FW (x2)

<u>Freq in kHz</u>	<u>Call Slip</u>
6840//NRH	VVV (x3) Q2M (x3) DE NYZ (x2)
7620	VVV WNF (x3) DE FXM (x2)
7620//8350	VVV WNF (x3) DE FXM (x2)
<b>7133</b>	<b>V N3DT (x3) DE LZHI (x2)</b>
7716	V GC6U (x3) DE XYG2 (x2)
7768	Y3JI DE N6WX (Repeated)
<b>8040</b>	<b>V N3DT (x3) DE LZHI (x2)</b>
8350	VVV WNF (x3) DE FXM (x2)
9251	TG1Y (x3) DE X9FW (x2)
<b>9251//13362</b>	TG1Y (x3) DE X9FW (x2)
<b>10931</b>	<b>Y3JI DE N6WX (Repeated)</b>

Courtesy JPL

**Logs:**

**Note:** The EEE before Msg NR actually the barred letter E in morse /../. I believe this denotes a high priority message, ie Flash msg.

3126	(In tfc)	1208z	10 Apr	NR 1545/EX 2003 BT ..D9/N2LL AR QSY 02 QSY 01	(Remote tuner Japan)	JPL	FRI
3218	(In tfc)	1209z	14 Apr	NR .. CK .. 66 0414 2000 RMKS 4020545 T0 4029540 BT	(Remote tuner Japan)	JPL	TUE
3322	(In tfc)	1643z	29 Apr	NR 4001 CK 05 21 0430 0934 RMKS 1002 TO 10001 BT NR 1009 CK 05 21 0430 0903 RMKS 1001 TO 1002 BT NR 4002 CK 04 21 4430 0948 RMKS 1002 TO 1001 BT	(Remote tuner Japan)	JPL	WED
3520	(Into tfc)	1212z	21 Apr	NR 4021 CK 51 37 0421 2000 RMKS 7045952 TO 7045941 BT	(Remote tuner Japan)	JPL	TUE
3564	(In tfc)	1545z	17 Mar	In tfc - QSL .... SK SK	(Remote tuner Japan)	JPL	TUE

3611		2025z	01 Mar	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SUN
		1141z	02 Mar	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	MON
		1654z	05 Mar	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	THU
		1630z	06 Mar	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	FRI
		1552z	22 Mar	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SUN
		1528z	26 Mar	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	THU
		1845z	30 Mar	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	MON
		1058z	02 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	THU
		1132z	11 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SAT
		1039z	12 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SUN
		0943z	14 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	TUE
3611//4522		2157z	01 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	WED
3611//5419		1128z	10 Apr	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	FRI
<b>3611//4522//5419</b>		1158z	13 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	MON
		0938z	16 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	THU
		1108z	21 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	TUE
		1354z	23 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	THU
		0957z	24 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	FRI
		1048z	28 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	TUE
		1634z	29 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	WED
		1508z	30 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	THU
3749	(In tfc)	1622z	12 Mar	F NR 159/EX 0021 RMKS 5858 TO 5842 BT CX6/G AR	(Remote tuner Japan)	JPL	THU
3784	(In tfc)	1310z	17 Mar	NR 1840 CK 51 69 0317 2110 RMKS 4215 TO 4217 BT	(Remote tuner Japan)	JPL	TUE
<b>3950</b>		<b>1715z</b>	<b>10 Mar</b>	<b>VVV BYS (x3) DE OYS (x2) (R5) QSA ? K</b>	(Remote tuner Japan)	JPL	TUE
4044	Z5R4	1128z	02 Apr	NR 1001 CK 49 62 0402 1930 BT	(Remote tuner Japan)	JPL	THU
4131	(Into tfc)	1156z	12 Apr	NR 2408 CK 51 55 0412 19.. RMKS 4753 TO 5752 BT	(Remote tuner Japan)	JPL	SUN
4131	(In tfc)	1205z	24 Apr	FF NR 56/EX 2005 RMKS CQ BT C1K7/X209 AR QSL ?	(Remote tuner Japan)	JPL	FRI
4177	(In tfc)	1705z	07 Mar	RMKS 7903 TO 7245	(Remote tuner Japan)	JPL	SAT
4206	(In tfc)	1653z	29 Apr	In tfc - DE FDJ2	(Remote tuner Japan)	JPL	WED
4211	2ILS	1200z	12 Apr	Into tfc - DE 2ILS FFF NR 1011/EX 1948 RMKS CQ BT R40J/KBKB AR	(Remote tuner Japan)	JPL	SUN
4224	VNU3	1448z	12 Apr	In tfc - DE VNU3 MSG GA	(Remote tuner Japan)	JPL	SUN
4239	(Into tfc)	1124z	27 Mar	Into tfc - QSL NIL K	(Remote tuner Japan)	JPL	FRI
	(In tfc)	1519z	11 Apr	In tfc - 0411 2310 RMKS 4101 TO 4451 BT	(Remote tuner Japan)	JPL	SAT
4278	(In tfc)	1318z	14 Apr	NR 3001 CK 100 23 0414 2120 RMKS 3398 TO 4732 BT	(Remote tuner Japan)	JPL	TUE
4279	(In tfc)	1222z	28 Apr	NR 017/EX 2018 BT DBS/I205 AR QSY 86 QSY 86 VVV	(Remote tuner Japan)	JPL	TUE
4326	(In tfc)	1127z	12 Mar	NR 051 CK 91 90 0312 ..15 RMKS 0888 TO 0208 BT	(Remote tuner Japan)	JPL	THU
4336	(In tfc)	1306z	28 Apr	In tfc - TO 8044955 BT	(Remote tuner Japan)	JPL	TUE
4347	(In tfc)	1124z	28 Apr	In tfc - QSA QSY 06 06	(Remote tuner Japan)	JPL	TUE
4396	(In tfc)	1404z	06 Mar	NR 0182 CK 61 47 0306 2200 RMKS 5635 TO 5621 BT	(Remote tuner Japan)	JPL	FRI
4444	(In tfc)	1317z	17 Mar	FF NR 0132/EX 1842 RMKS CQ BT AAAAAAA22UU2S 2299 TO 2279 RMKS 22990 TO 23279 BT (Stopped)	(Remote tuner Japan)	JPL	TUE
	(In tfc)	1215z	23 Mar	NR 550. CK 51 44 0323 2030 RMKS 0089 TO 0038 BT	(Remote tuner Japan)	JPL	MON
4474	(In tfc)	1149z	02 Mar	NR 0003 CK 81 79 0302 1913 RMKS 3266 TO 0255 BT	(Remote tuner Japan)	JPL	MON
4478	(In tfc)	1233z	11 Apr	SVC 085/X.Z.3/9713/33/53/22/X037A/COMM/9203 AR	(Remote tuner Japan)	JPL	SAT
4508	(In tfc)	1214z	01 Mar	In tfc - OTA 1226z - GC6U DE XYG2	(Remote tuner Japan)	JPL	SUN
		1204z	02 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	MON
		1125z	03 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	TUE
		1129z	05 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	THU
		1208z	06 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	FRI
		1205z	07 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	SAT
		1718z	08 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	SUN
		1646z	10 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	TUE
		1609z	12 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	THU
		1108z	13 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	FRI
		1628z	16 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	MON

		1321z	17 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	TUE
		1537z	20 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	FRI
		1531z	21 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	SAT
		1125z	23 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	MON
		1527z	26 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	THU
		1205z	27 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	FRI
4520	(n tfc)	1715z	23 Apr	IIn tfc - TO 7045941 BT	Remote tuner Japan)	JPL	THU
4522		Replaced	3JWV DE QH4P				
		1228z	01 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SUN
		1141z	02 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	MON
		1051z	03 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	TUE
		1752z	04 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	WED
		1127z	05 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	THU
		1204z	06 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	FRI
		1204z	07 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SAT
		1719z	08 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SUN
		1112z	10 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	TUE
		1052z	12 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	THU
		1107z	13 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	FRI
		1426z	14 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SAT
		1626z	16 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	MON
		1012z	17 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	TUE
		0956z	20 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	FRI
		1539z	20 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	FRI
		1531z	21 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SAT
		1005z	22 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SUN
		1125z	23 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	MON
		1528z	26 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	THU
		1014z	27 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	FRI
		1026z	28 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SAT
		1009z	30 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	MON
		1058z	02 Apr	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	THU
		1245z	10 Apr	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	FRI
		1132z	11 Apr	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SAT
<b>4522//5419</b>		1039z	12 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SUN
		0954z	14 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	TUE
4525	(In tfc)	1717z	23 Apr	RMKS 7045489 TO 7045484 BT	(Remote tuner Japan)	JPL	THU
4546	(In tfc)	1225z	28 Apr	In tfc - DE GY7G	(Remote tuner Japan)	JPL	TUE
4555	(In tfc)	1135z	23 Mar	NR 2002 CK 20 25 0323 1900 RMKS SRSS TO SR11 K	(Remote tuner Japan)	JPL	MON
4657	(In tfc)	1230z	28 Apr	NR 2633/EX 0913 RMKS 3595 TO 898 BT A5/B2 AR	(Remote tuner Japan)	JPL	TUE
4716	(In tfc)	1610z	23 Ma	NR 4705 CK 51 44 0327 0000 RMKS 0087 TO 2343 BT	(Remote tuner Japan)	JPL	THU
4720		1530z	26 Mar	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	THU
4720//5150		1730z	11 Apr	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SAT
		1830z	11 Apr	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SAT
4721	(In tfc)	1116z	17 Apr	NR ....EX 1915 BT NIMO/..X2 AR QSY 19 QSY 19 VVV	(Remote tuner Japan)	JPL	FRI
	(In tfc)	1105z	24 Apr	3S5M FFF NR 1932/EX 1906 BT QWS3/T9BO AR QSY 07 QSY 07 VVV	(Remote tuner Japan)	JPL	FRI
4810	(Into tfc)	1210z	27 Mar	NR ... CK .. 9 0327 2130 RMKS 5640 TO 5620 BT	(Remote tuner Japan)	JPL	FRI
4819	(In tfc)	1119z	17 Apr	- /EX tfc - QSY 07 VVV	(Remote tuner Japan)	JPL	FRI
4830	(In tfc)	1451z	02 Apr	In tfc - RMKS 5579 TO 5567 BT	(Remote tuner Japan)	JPL	THU
4856	(In tfc)	1246z	05 Mar	NR 4299 CK 51 39 0305 2030 RMKS 5623 TO 6527 BT	(Remote tuner Japan)	JPL	THU
4860//6840		1120z	03 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	TUE
		1820z	04 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	WED
		1120z	05 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	THU
		1120z	07 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Manila)	JPL	SAT
		1220z	07 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SAT
		1620z	07 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SAT
		1720z	07 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SAT
		1920z	07 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SAT
		1720z	08 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SUN
		1720z	10 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	TUE
		1220z	12 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	THU
		1120z	13 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1520z	13 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1620z	16 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	MON
		1120z	17 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	TUE
		1320z	17 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	TUE
		1120z	22 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SUN

		1220z	23 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	MON
		1520z	23 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	MON
		1520z	26 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	THU
		1120z	27 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1220z	27 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1620z	27 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1120z	30 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K Note: Round Slip on 4860kHz choppy.	(Remote tuner Hong Kong)	JPL	MON
		2220z	01 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Hong Kong)	JPL	WED
		1120z	02 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	THU
		1520z	02 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	THU
		1720z	10 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1120z	11 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SAT
		1720z	11 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SAT
		1820z	11 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SAT
		1220z	12 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SUN
		2220z	14 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	TUE
		1320z	16 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	THU
		1120z	17 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1220z	17 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1520z	17 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1420z	23 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	THU
		1720z	24 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1120z	28 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	TUE
		1820z	29 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	WED
		1520z	30 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	THU
4866	(In tfc)	1122z	17 Apr	NR ....EX 1921 BT EODO/T8NN QSY 07 QSY 07 VVV	(Remote tuner Japan)	JPL	FRI
<b>4933.5</b>	<b>(In tfc)</b>	<b>1640z</b>	<b>06 Mar</b>	ABCDEFGHIJKLMNQRSTUUVZY TAU34567DN III AS VA M (Cont'd)	(Remote tuner Japan)	JPL	FRI
	(In tfc)	1635z	07 Mar	ABCDEFGHIJKLMNQRSTUUVZY TAU34567DN III AS VA M (Cont'd)	(Remote tuner Japan)	JPL	SAT
	(In tfc)	1638z	12 Mar	ABCDEFGHIJKLMNQRSTUUVZY TAU34567DN III AS VA M (Cont'd)	(Remote tuner Japan)	JPL	THU
	(In tfc)	1944z	14 Mar	ABCDEFGHIJKLMNQRSTUUVZY TAU34567DN III AS VA M (Cont'd)	(Remote tuner Japan)	JPL	SAT
	(In tfc)	1034z	15 Mar	ABCDEFGHIJKLMNQRSTUUVZY TAU34567DN III AS VA M (Cont'd)	(Remote tuner Japan)	JPL	SUN
	(In tfc)	1645z	16 Mar	ABCDEFGHIJKLMNQRSTUUVZY TAU34567DN III AS VA M (Cont'd)	(Remote tuner Japan)	JPL	MON
	(In tfc)	1306z	17 Mar	ABCDEFGHIJKLMNQRSTUUVZY TAU34567DN III AS VA M (Cont'd)	(Remote tuner Japan)	JPL	TUE
	(In tfc)	1546z	20 Mar	ABCDEFGHIJKLMNQRSTUUVZY TAU34567DN III AS VA M (Cont'd)	(Remote tuner Japan)	JPL	FRI
	(In tfc)	1543z	21 Mar	ABCDEFGHIJKLMNQRSTUUVZY TAU34567DN III AS VA M (Cont'd)	(Remote tuner Japan)	JPL	SAT
	(In tfc)	1044z	22 Mar	ABCDEFGHIJKLMNQRSTUUVZY TAU34567DN III AS VA M (Cont'd)	(Remote tuner Japan)	JPL	SUN
	(In tfc)	1026z	27 Mar	ABCDEFGHIJKLMNQRSTUUVZY TAU34567DN III AS VA M (Cont'd)	(Remote tuner Japan)	JPL	FRI
	(In tfc)	1455z	02 Apr	ABCDEFGHIJKLMNQRSTUUVZY TAU34567DN III AS VA M (Cont'd)	(Remote tuner Japan)	JPL	THU
<b>5107</b>		<b>1126z</b>	<b>11 Apr</b>	<b>V N3DT (x3) DE LZHI (x2)</b>	(Remote tuner Japan)	JPL	SAT
	(In tfc)	1217z	12 Apr	V N3DT (x3) DE LZHI (x2)	(Remote tuner Japan)	JPL	SUN
		1200z	13 Apr	V N3DT (x3) DE LZHI (x2)	(Remote tuner Japan)	JPL	MON
		1241z	14 Apr	V N3DT (x3) DE LZHI (x2)	(Remote tuner Japan)	JPL	TUE
		1155z	21 Apr	V N3DT (x3) DE LZHI (x2)	(Remote tuner Japan)	JPL	TUE
	(In tfc)	1359z	23 Apr	V N3DT (x3) DE LZHI (x2)	(Remote tuner Japan)	JPL	THU
	(In tfc)	1227z	24 Apr	V N3DT (x3) DE LZHI (x2)	(Remote tuner Japan)	JPL	FRI
	(In tfc)	1158z	28 Apr	V N3DT (x3) DE LZHI (x2)	(Remote tuner Japan)	JPL	TUE
		1639z	29 Apr	V N3DT (x3) DE LZHI (x2)	(Remote tuner Japan)	JPL	WED
5207	(In tfc)	1221z	13 Apr	RMKS 4029773 TO 4029781 BT	(Remote tuner Japan)	JPL	MON
5278	(In tfc)	1308z	14 Apr	NR 2305 CK .1 15 04114 2100 RMKS 6032485 TO 6032485 BT	(Remote tuner Japan)	JPL	TUE
5369	(In tfc)	1116z	23 Mar	NR 074 CK 51 74 0323 1915 RMKS 5888 TO 5447 BT NR 074 CK 51 74 0323 1915 RMKS 5447 TO 5888 BT	(Remote tuner Japan)	JPL	MON
5419		1128z	10 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	FRI
		1132z	11 Apr	V TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SAT
<b>5419//13362</b>		<b>0943z</b>	<b>02 Apr</b>	<b>TG1Y (x3) DE X9FW (x2)</b>	(Remote tuner Japan)	JPL	THU
5453	(In tfc)	1201z	23 Mar	NR 2300 CK 74 43 0323 1900 RMKS 5472 TO 5633 BT	(Remote tuner Japan)	JPL	MON
5455	C4HN	1645z	10 Apr	NR 1515/EX 0033 BT CLZ3/P4D9 AR C4HN	(Remote tuner Japan)	JPL	FRI
5471	(In tfc)	1307z	05 Mar	NR ... CK 61 32 0305 2040 RMKS 5054 TO 5055 K	(Remote tuner Japan)	JPL	THU



6840		1020z	15 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SUN
		1020z	17 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	TUE
		1020z	22 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SUN
		1020z	27 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1020z	30 Mar	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Taiwan)	JPL	MON
		1020z	02 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	THU
		1020z	17 Apr	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
6842	(In tfc)	1241z	06 Mar	NR ..89 CK 51 75 0306 2030 RMKS 56.9 TO 5622 BT	(Remote tuner Japan)	JPL	FRI
6872	(In tfc)	1603z	23 Mar	NR 1002 CK 199 35 032... BT RMKS 1828 TO 1840 BT	(Remote tuner Japan)	JPL	THU
6880	(In tfc)	1101z	02 Apr	NR 1100/EX 1900 BT Y8X/LW5 AR QSY 4 QSY 4 VVV	(Remote tuner Japan)	JPL	THU
7058	(In tfc)	1253z	07 Mar	NR 0211 CK 99 98 0307 2030 RMKS 3084 TO 3093 BT	(Remote tuner Japan)	JPL	SAT
<b>7133</b>		<b>0935z</b>	<b>02 Apr</b>	<b>V N3DT (x3) DE LZHI (x2)</b>	(Remote tuner Japan)	JPL	THU
		1043z	12 Apr	V N3DT (x3) DE LZHI (x2)	(Remote tuner Japan)	JPL	SUN
		1111z	21 Apr	V N3DT (x3) DE LZHI (x2)	(Remote tuner Japan)	JPL	TUE
		1006z	24 Apr	V N3DT (x3) DE LZHI (x2)	(Remote tuner Japan)	JPL	FRI
		1049z	28 Apr	V N3DT (x3) DE LZHI (x2)	(Remote tuner Japan)	JPL	TUE
7530	(In tfc)	1050z	30 Mar	In tfc - 3BPN to out stations F NR 0154/EX 1852 RMKS CQ BT DI9/YN AR	(Remote tuner Taiwan)	JPL	MON
7540	BGNK BGNB	1058z 1035z	17 Mar 20 Mar	MLK9 DE BGNK R WK NR 22.. SK In tfc - DE BGNB - Working outstations F NR 0225/EX 1837 RMKS CQ BT SG9/QU3 AR NR 0733 CK 52 79 0320 1836 RMKS CQ BT	(Remote tuner Japan) (Remote tuner Japan)	JPL JPL	TUE FRI
7589	(In tfc)	0221z	03 Mar	NR 5036 CK 51 91 0303 0920 RMKS 2319 TO 2318 BT	(Remote tuner Japan)	JPL	TUE
7620		1030z	22 Mar	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SUN
		1030z	27 Mar	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
7620//8350		1030z	17 Mar	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	TUE
		1030z	20 Mar	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1030z	12 Apr	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SUN
		1130z	12 Apr	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SUN
		1130z	14 Apr	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	TUE
		1030z	24 Apr	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
7716		1143z	02 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	MON
		1054z	03 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	TUE
		1825z	04 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	WED
		1114z	10 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	TUE
		1953z	12 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	THU
		0829z	15 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	SUN
		1014z	17 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	TUE
		1018z	22 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	SUN
		1029z	28 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	SAT
		1011z	30 Mar	V GC6U (x3) DE XYG2 (x2)	(Remote tuner Japan)	JPL	MON
7735	W2ER	1035z	20 Mar	In tfc - DE W2ER	(Remote tuner Japan)	JPL	FRI
7768		1544z	20 Mar	Y3JI DE N6WX M89 (Repeated)	(Remote tuner Japan)	JPL	FRI
8001	(Into tfc)	1108z	27 Mar	1895 MSG NR NR 001 CK 227.... 1910 RMKS 4525 TO 4752 BT Note: Could be related to Q26 sked on 8001.75? 5394 is not active.	(Remote tuner Japan)	JPL	FR
8035	(In tfc)	1057z	27 Mar	SVC .../1851/1319 K NIL SK	(Remote tuner Japan)	JPL	FRI
<b>8040</b>		<b>1039z</b>	<b>14 Apr</b>	<b>V N3DT (x3) DE LZHI (x2)</b>	(Remote tuner Japan)	JPL	TUE
8061	(In tfc)	1231z	10 Mar	NR 987 CK 95 28 0310 2033 RMKS 5377 TO 3000 BT	(Remote tuner Japan)	JPL	TUE
8077	(In tfc)	1035z	30 Mar	Q82C FANN B8FF LA5N KAHA JX3K etc Note: Out stations to Control - Radio check- - Control - GYU8 is on different frequency.	(Remote tuner Taiwan)	JPL	MON
8350		1030z	22 Mar	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	SUN
		1030z	27 Mar	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Japan)	JPL	FRI
		1030z	30 Mar	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	(Remote tuner Taiwan)	JPL	MON
<b>9251</b>	(In tfc) TUE	<b>0145z</b>	<b>03 Mar</b>	<b>TG1Y (x3) DE X9FW (x2)</b>	(Remote tuner Japan)	JPL	
		0827z	15 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	SUN
<b>9251//13362</b>		<b>0827z</b>	<b>15 Mar</b>	<b>TG1Y (x3) DE X9FW (x2)</b>	(Remote tuner Japan)	JPL	SUN
10086	(In tfc)	1026z	14 Apr	RMKS 1.12 TO 5377	(Remote tuner Japan)	JPL	TUE
<b>10931</b>		<b>1005z</b>	<b>20 Mar</b>	<b>Y3JI DE N6WX (Repeated)</b>	(Remote tuner Japan)	JPL	FRI

11111	(In tfc)	1010z	14 Apr	Very slow Stopped in the middle - 1024z	(Remote tuner Japan)	JPL	TUE
13362		0150z	03 Mar	TG1Y (x3) DE X9FW (x2)	(Remote tuner Japan)	JPL	TUE
<b>M95 / Q26 O</b>							
<b>M95 Morse Logs (Bold type indicates new logging)</b>							
3167.10		1210z	10 Apr	In Q26 - 1214z Q26	(Remote tuner Japan)	JPL	FRI
3181.75	(In tfc)	1217z	03 Mar	In tfc - OTA - 1218z Q26	(Remote tuner Japan)	JPL	TUE
	(In tfc)	1205z	28 Apr	In tfc - Very weak - OTA - 1208z Q26	(Remote tuner Japan)	JPL	TUE
3182		1430z	14 Mar	Into tfc - OTA - 1434z - Into voice/LSB/Chinese - Into UNK mode Q26	(Remote tuner Japan)	JPL	SAT
3193.75		1120z	12 Apr	Into tfc - Several short tx - OTA - 1123z Q26	(Remote tuner Japan)	JPL	SUN
		1106z	14 Apr	In tfc - OTA - 1106z Q26	(Remote tuner Japan)	JPL	TUE
		1108z	14 Apr	Into tfc - OTA - 1113z Q26	(Remote tuner Japan)	JPL	TUE
				YXYYXYYXYY CUT3 CUT3 CUT3 DE 8EXQ 8EXQ 8EXQ OK BOZ KP /+5 YXYYXYYXYY CUT3 CUT3 CUT3 DE 8EXQ 8EXQ 8EXQ QSA 4 QSA ? /RA YXYYXYYXYY CUT3 CUT3 CUT3 DE 8EXQ 8EXQ 8EXQ OK BOZ KP /ZT Note: In CW, BOZ KP appears to denote a reference to encrypted digital communication.			
3503.75		1706z	16 Ma	Into tfc - OTA - 1710z - Into tfc 1712z - OTA - 1717z Q26	(Remote tuner Japan)	JPL	MON
3506.75		1715z	23 Mar	Into tfc - Very briefly Q26 nr 003 ck 99 33 0334 nr	(Remote tuner Japan)	JPL	MON
3509.25		1509z	11 Apr	In tfc - OTA - 1510z Q26	(Remote tuner Japan)	JPL	SAT
3903	Call Sign HBDD (x2)			Replaced YHXD DE SAQC on 3968, 6936, 5479 & 10722kHz			
	1353z	01 Mar		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	SUN
	1750z	04 Mar		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	WED
	1655z	05 Mar		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	THU
	1628z	06 Mar		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	FRI
	1615z	07 Mar		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	SAT
	1658z	10 Mar		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	TUE
	1650z	27 Mar		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	FRI
	1705z	28 Mar		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	SAT
	1526z	02 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	THU
	1229z	10 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	FRI
	1516z	11 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	SAT
	1444z	12 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	SUN
3903//6886	Call Sign HBDD			Replaced YHXD DE SAQC on 3968, 6936, 5479 & 10722kHz			
	1612z	12 Mar		V WCJJ (x3) DE HBDD (x2) Note: Chirpy sound	(Remote tuner Japan)	JPL	THU
	1526z	13 Mar		V WCJJ (x3) DE HBDD (x2) Chirpy sound	(Remote tuner Japan)	JPL	FRI
	1425z	14 Mar		V WCJJ (x3) DE HBDD (x2) Chirpy sound	(Remote tuner Japan)	JPL	SAT
	1634z	16 Mar		V WCJJ (x3) DE HBDD (x2) Chirpy sound	(Remote tuner Japan)	JPL	MON
	1541z	17 Mar		V WCJJ (x3) DE HBDD (x2) Chirpy sound	(Remote tuner Japan)	JPL	TUE
	1541z	20 Mar		V WCJJ (x3) DE HBDD (x2) Chirpy sound	(Remote tuner Japan)	JPL	FRI
	1528z	21 Mar		V WCJJ (x3) DE HBDD (x2) Chirpy sound	(Remote tuner Japan)	JPL	SAT
	1510z	23 Mar		V WCJJ (x3) DE HBDD (x2) Chirpy sound	(Remote tuner Japan)	JPL	MON
	1526z	26 Mar		V WCJJ (x3) DE HBDD (x2) Chirpy sound	(Remote tuner Japan)	JPL	THU
	1508z	13 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	MON
	1215z	14 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	TUE
	1312z	16 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	THU
	1445z	17 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	FRI
	1239z	21 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	TUE
	1357z	23 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	THU
	1559z	28 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	TUE
	1636z	29 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	WED
	1506z	30 Apr		V WCJJ (x3) DE HBDD (x2)	(Remote tuner Japan)	JPL	THU
4156		1206z	13 Apr	In M95 // 6352 // 9040 N/H	(Remote tuner Japan)	JPL	MON
4156//6352//9042		1147z	01 Mar	In Q26 - Into M95 - 1150z NR 041 CK 23 35 0301 1558 BT NR 021 CK 50 35 0301 1501 BT NR 02 CK 185 35 0301 1530 BT	(Remote tuner Japan)	JPL	SUN
		1151z	03 Mar	In Q26 - Into M95 - 1151z NR 05 CK 152 35 0303 1558 BT	(Remote tuner Japan)	JPL	TUE
		1155z	05 Mar	In M95 - 1155z NR 10 CK .25 35 0305 1538 BT	(Remote tuner Japan)	JPL	THU
		1211z	06 Mar	In tfc M95 NR 056 CK 35 35 0306 1650 BT	(Remote tuner Japan)	JPL	FRI

1153z	07 Mar	In M95 NR 14 CK 191 35 0307 1500 BT (1202z)	(Remote tuner Japan)	JPL	SAT
1151z	10 Mar	In M95 NR 039 CK 50 35 0310 1458 BT NR 20 CK 174 35 0310 1534 BT	(Remote tuner Japan)	JPL	TUE
1140z	12 Mar	Into voice/USB/Chinese - V26 - Into Q26 - 1143z - Into M95 - 1149z NR 043 CK 45 35 0312 1454 BT NR 074 CK 15 35 0312 1527 BT NR 24 CK 137 35 0312 1545 BT	(Remote Japan)	JPL	THU
1141z	13 Mar	Into voice/USB/Chinese - V26 - Into Q26 - 1143z - Into M95 - 1149z NR 25 CK 137 35 0313 1455 BT	(Remote Japan)	JPL	FRI
1145z	17 Mar	In Q26 - Into M95 - 1154z NR 053 CK 48 35 0317 1500 BT NR 34 CK 224 35 0317 1525 BT	(Remote tuner Japan)	JPL	TUE
1144z	20 Mar	Into Q26 - Into M95 - 1151z NR 02 CK 32 49 0319 1542 BT NR 059 CK 51 35 0320 1511 BT NR 40 CK 129 35 0320 1433 BT	(Remote tuner Japan)	JPL	FRI
1145z	22 Mar	In Q26 - Into M95 - 1150z NR 063 CK 39 35 0322 1520 BT NR 44 CK 134 35 0322 1621 BT	(Remote tuner Japan)	JPL	SUN
1142z	23 Mar	In Q26 - Into M95 - 1149z NR 45 CK 133 35 0323 1518 BT	(Remote tuner Japan)	JPL	MON
1143z	27 Mar	Into Q26 - Into M95 - 1149z NR 073 CK 41 35 0327 1517 BT NR 54 CK 145 35 0327 1535 BT	(Remote tuner Japan)	JPL	FRI
1144z	30 Mar	In Q26 - Into M95 - 1150z NR 079 CK 38 35 0330 1450 BT NR 50 CK 185 35 0330 1514 BT	(Remote tuner Japan)	JPL	MON
1144z	30 Mar	In Q26 - Into M95 - 1150z	(Remote tuner Japan)	JPL	MON
1143z	02 Apr	In Q26 - Into M95 - 1150z NR 04 CK 234 35 0402 1507 BT	(Remote tuner Japan)	JPL	THU
1149z	10 Apr	In Q26 - Into M95 - 1150z NR 002 CK 41 35 0410 1538 BT NR 20 CK 171 35 0410 1558 BT	(Remote tuner Japan)	JPL	FRI
1151z	11 Apr	In t/c M95 NR 004 CK 30 35 0411 15.9 BT NR 22 CK 137 35 0411 1544 BT	(Remote tuner Japan)	JPL	SAT
1140z	12 Apr	Into V26 - Into Q26 - 1143z - Into M95 - 1150z NR 006 CK 33 35 0412 1456 BT NR 24 CK 143 35 0412 1526 BT	(Remote tuner Japan)	JPL	SUN
1144z	14 Apr	In Q26 - Into M95 - 1150z NR 010 CK 38 35 0414 1524 BT NR 28 CK 132 35 0414 1525 BT	(Remote tuner Japan)	JPL	TUE
1144z	17 Apr	In Q26 - Into M95 - 1150z NR 34 CK 152 35 0417 1542 BT	(Remote tuner Japan)	JPL	FRI
1147z	21 Apr	In Q26 - Into M95 - 1149z NR 024 CK 40 35 0421 1520 BT NR 42 CK 189 35 0421 1534 BT	(Remote tuner Japan)	JPL	TUE
2340z	23 Apr	Into V26 - Chinese - Female - Into Q26 -2342z - Into M95 - 2347z NR 010 CK 29 35 0424 0556 BT NR 029 CK 43 35 0424 0637 BT	(Remote Japan)	JPL	THU
1144z	24 Apr	Into Q26 - Into M95 - 1149z NR 030 CK 48 35 0424 1444 BT NR 48 CK 157 35 0424 1530 BT	(Remote tuner Japan)	JPL	FRI
1143z	28 Apr	In Q26 - Into M95 - 1149z NR 038 CK 41 35 35 0428 1455 BT NR 56 CK 137 35 0428 1523 BT	(Remote tuner Japan)	JPL	TUE

4322.25	(In tfc)	1206z	12 Apr	In tfc - OTA - 1207z	Q26	(Remote tuner Japan)	JPL	SUN
<b>4333.75</b>		Note: New Q26 sked. Unable to find a //.						
		<b>1113z</b>	<b>12 Mar</b>	<b>Into tfc - OTA - 1125z</b>	<b>Q26</b>	(Remote tuner Japan)	JPL	THU
		1110z	13 Mar	Into tfc - OTA - 1125z	Q26	(Remote tuner Japan)	JPL	FRI
		1107z	17 Mar	Into tfc - OTA - 1127z	Q26	V.Noisy Freq (Remote tuner Japan)	JPL	TUE
		1104z	20 Mar	In tfc - OTA - 1125z	Q26	(Remote tuner Japan)	JPL	FRI
		1105z	22 Mar	Into tfc - OTA - 1121z	Q26	V.Noisy Freq (Remote tuner Japan)	JPL	SUN
		1106z	23 Mar	In tfc - OTA - 1124z	Q26	V.Noisy Freq (Remote tuner Japan)	JPL	MON
4338.30		1211z	12 Mar	In tfc - OTA 1213z - Also voice/LSB/Chinese)	Q26	(Remote tuner Japan)	JPL	THU
4444	(In tfc)	1238z	10 Apr	NR 164/CCK CK 143 24 0410 2025 RMKS .81P CDWT BT		(Remote tuner Japan)	JPL	FRI
4542		Call Sign XS30 1223z	12 Mar	In tfc - XS30		(Remote tuner Japan)	JPL	THU
4542//6876		Call Sign XS30						
		1141z	01 Mar	In Q26 - Into M95 -1145z - BNGC DE XS30 NR 0200 CK 510 35 0301 1548 BT		(Remote tuner Hong Kong)	JPL	SUN
		1131z	03 Mar	In Q26 - Into M95 -1146z - BNGC DE XS30 NR 0208 CK 59 35 0303 1516 BT		(Remote tuner Hong Kong)	JPL	TUE
		1136z	05 Mar	In Q26 - Into M95 -1149z - BNGC DE XS30 NR 0.21 CK 524 35 0305 .103 BT		(Remote tuner Hong Kong)	JPL	THU
		1130z	07 Mar	In Q26 - OTA 1146z - Didn't go into M95 - BNGC DE XS30		(Remote tuner Manila)	JPL	SAT
		1131z	10 Mar	In Q26 - Into M95 -1145z - BNGC DE XS30 NR 0235 CK 33 35 0310 153. BT		(Remote tuner Manila)	JPL	TUE
		113z	17 Mar	In Q26 - Into M95 - 1145z - BNGC DE XS30 Note: 6876 did not go to M95 - 4542 did go to M95.		(Remote tuner Japan)	JPL	TUE
		1135z	20 Mar	In Q26 - Into M95 - 1138z - BNGC DE XS30 NR 0268 CK 214 35 0320 1539 BT		(Remote tuner Japan)	JPL	FRI
		1130z	22 Mar	Into V26 - Into Q26 - 1132z - Into M95 - 1145z - BNGC DE XS30 Note: To noisy to copy message.		(Remote Japan)	JPL	SUN
		1130z	23 Mar	In Q26 - 1132z - Into M95 - 1139z - BNGC DE XS30 NR 0274 CK 298 35 0323 1501 BT		(Remote tuner Japan)	JPL	MON
		1133z	27 Mar	In Q26 - Into M95 - 1141z - BNGC DE XS30 NR 0232 CK 343 35 0227 1549 BT (Did not send call up - went straight to msg.)		(Remote tuner Japan)	JPL	FRI
		1132z	28 Mar	In Q26 - Into M95 - 1141z - BNGC DE XS30 NR 1284 CK 312 35 0328 1551 BT (Very weak)		(Remote tuner Japan)	JPL	SAT
		1133z	30 Mar	Int Q26 - Into M95 - 1139z - BNGC DE XS30 NR 0288 CK 332 35 0330 1715 BT		(Remote tuner Hong Kong)	JPL	MON
		1135z	02 Apr	In Q26 - Into M95 - 1139z - BNGC DE XS30 NR 0294 CK 38. 35 0404 1557 BT		(Remote tuner Japan)	JPL	THU
		1133z	10 Apr	In Q26 - 1143z - Did not go into M95 - BNGC DE XS30	Q26	(Remote tuner Japan)	JPL	FRI
		1133z	12 Apr	In Q26 - Into M95 - 1136z - BNGC DE XS30 NR 0314 CK 149 35 0412 1520 BT		(Remote tuner Japan)	JPL	SUN
		1133z	14 Apr	In Q26 - Into M95 - 1141z - BNGC DE XS30 NR 0318 CK 288 35 0414 1513 BT		(Remote tuner Japan)	JPL	TUE
		1133z	17 Apr	In Q26 - Did not into M95 - BNGC DE XS30	Q26	(Remote tuner Japan)	JPL	FRI
		1136z	21 Apr	In Q26 - Into M95 - 1143z - BNGC DE XS30 NR 0332 CK 376 35 0421 1558 BT		(Remote tuner Japan)	JPL	TUE
		1138z	24 Apr	In Q26 - Into M95 - 1139z - BNGC DE XS30 NR 0338 CK 297 35 0424 15.. BT		(Remote tuner Japan)	JPL	FRI
		1130z	28 Apr	Into V26 - Chinese - Male - Into Q26 -1133z - Into M95 - 1142z - BNGC DE XS30 NR 03... 135 0428 1554 BT		(Remote tuner Japan)	JPL	TUE
4829	(In tfc)	1243z	05 Mar	NR 3849/CCK CK 91 19 135.. RMKS 2007 4152 TO 4109 BT		(Remote tuner Japan)	JPL	THU
5036	(In tfc)	1210z	05 Mar	In tfc - RMKS .... TO 5209 BT		(Remote tuner Japan)	JPL	THU
	(In tfc)	1255z	05 Mar	NR .../CCCK CK 99 47 0305 2050 RMKS 7654 TO 7585 BT		(Remote tuner Japan)	JPL	THU
5109	(In tfc)	1205z	10 Mar	NR .../CCK CK 72 .4 0310 .800 RMKS .... TO 5454 BT		(Remote tuner Japan)	JPL	TUE

5148.25	1130z	21 Apr	In tfc - OTA - 1133z Q26	(Remote tuner Japan)	JPL	TUE
5307	8DBG	1112z	23 Mar DE 8DBG NR 0432/CCK CK 91 99 0323 1950 RMKS 4922 TO 4949 BT	(Remote tuner Japan)	JPL	MON
<b>5394.75</b>	1100z	03 Mar	Into tfc - OTA - 1704z // 8001.75 N/H Q26	(Remote tuner Japan)	JPL	TUE
	1300z	05 Mar	Into tfc - OTA - 1704z // 8001.75 N/H Q26	(Remote tuner Japan)	JPL	THU
	1700z	12 Mar	Into tfc - OTA - 1703z // 8001.75 N/H Q26	(Remote tuner Japan)	JPL	THU
	1100z	20 Mar	In tfc - OTA - 1104z Q26 Note: // 8001.75 N/H	(Remote tuner Japan)	JPL	FRI
	1100z	30 Ma	Into tfc - OTA - 1104z Q26 V.Noisy	(Remote tuner Taiwan)	JPL	MON
	1500z	02 Apr	Into tfc - OTA - 1004z Q26	(Remote tuner Japan)	JPL	THU
	1500z	11 Apr	Into tfc - OTA - 1505z Q26	(Remote tuner Japan)	JPL	SAT
	1700z	11 Apr	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	SAT
	1500z	13 Apr	Into tfc - OTA - 1504z Q26	(Remote tuner Japan)	JPL	MON
	1300z	16 Apr	Into tfc - OTA - 1304z Q26	(Remote tuner Japan)	JPL	THU
	1300z	17 Apr	Into tfc - OTA - 1304z Q26	(Remote tuner Japan)	JPL	FRI
	1900z	17 Apr	Into tfc - OTA - 1904z Q26	(Remote tuner Japan)	JPL	FRI
<b>5394.75//8001.75</b>	1300z	01 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	SUN
	1700z	01 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	SUN
	2100z	01 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	SUN
Note: 5394.75 and 8001.75 are // Both sending for 4 minutes the following: F PRBM PRBC FFMM PRBM C FFM PRBM C F PRBM PRBCK						
	1700z	05 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	THU
	1700z	06 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	FRI
	1300z	07 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	SAT
	1700z	08 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	SUN
	1100z	10 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	TUE
	1300z	10 Mar	Into tfc - OTA - 1304z Q26	(Remote tuner Japan)	JPL	TUE
	1500z	10 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	TUE
	1700z	10 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	TUE
	1100z	12 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	THU
	1900z	12 Mar	Into tfc - OTA - 1910z Q26	(Remote tuner Japan)	JPL	THU
	1100z	13 Mar	Into tfc - OTA - 1104z Q26	(Remote tuner Japan)	JPL	FRI
	1500z	13 Mar	Into tfc - OTA - 1503z Q26	(Remote tuner Japan)	JPL	FRI
	1700z	16 Mar	Into tfc - OTA - 1703z Q26	(Remote tuner Japan)	JPL	MON
	1100z	17 Mar	Into tfc - OTA - 1104z Q26	(Remote tuner Japan)	JPL	TUE
	1300z	17 Mar	Into tfc - OTA - 1103z Q26	(Remote tuner Japan)	JPL	TUE
	1100z	22 Mar	Into tfc - OTA - 1104z Q26	(Remote tuner Japan)	JPL	SUN
	1700z	22 Mar	Into tfc - OTA - 1104z Q26	(Remote tuner Japan)	JPL	SUN
	1100z	23 Mar	Into tfc - OTA - 1103z Q26	(Remote tuner Japan)	JPL	MON
	1500z	23 Mar	Into tfc - OTA - 1104z Q26	(Remote tuner Japan)	JPL	MON
	1700z	23 Mar	Into tfc - OTA - 1104z Q26	(Remote tuner Japan)	JPL	MON
	1100z	27 Mar	Into tfc - OTA - 1104z Q26	(Remote tuner Japan)	JPL	FRI
Note: At 1101, 8001.75 OTA, but 5394.75 continues. 8001.75 comes back up, but very weak.						
	1300z	27 Mar	Into tfc - OTA - 1104z Q26	(Remote tuner Japan)	JPL	FRI
Note: At 1301z, 8001.75 OTA, but 5394.75 continues. 8001.75 does come back up this time. Tech issue?						
	1700z	27 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	FRI
Note: At 1700, 8001.75 is active, but only for few brief seconds. 5394.75 continues as normal. Tech issue?						
	1900z	27 Mar	Into tfc - OTA - 1910z Q26	(Remote tuner Japan)	JPL	FRI
Note: At 1900, 5394.75 was a few seconds in tfc before 8001.75 went into tfc and OTA At 1904z as usual. 5394.75 OTA at 1910z.						
	1100z	28 Mar	Into tfc - OTA - 1104z Q26	(Remote tuner Japan)	JPL	SAT
Note: Both very weak at this time.						
	1700z	28 Mar	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	SAT
	1900z	30 Mar	Into tfc - OTA - 1911z Q26	(Remote tuner Japan)	JPL	MON
	1300z	10 Apr	Into tfc - OTA - 1304z Q26	(Remote tuner Japan)	JPL	FRI
	1700z	10 Apr	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	FRI
	1900z	11 Apr	Into tfc - OTA - 1904z Q26	(Remote tuner Japan)	JPL	SAT
	1300z	13 Apr	Into tfc - OTA - 1304z Q26	(Remote tuner Japan)	JPL	MON
	1450z	13 Apr	Into tfc - OTA - 1459z Q26	(Remote tuner Japan)	JPL	MON
	1700z	14 Apr	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	TUE
	1500z	17 Apr	Into tfc - OTA - 1504z Q26	(Remote tuner Japan)	JPL	FRI
	1700z	23 Apr	Into tfc - OTA - 1710z Q26	(Remote tuner Japan)	JPL	THU
	1500z	24 Apr	Into tfc - OTA - 1504z Q26	(Remote tuner Japan)	JPL	FRI
	1700z	24 Apr	Into tfc - OTA - 1704z Q26	(Remote tuner Japan)	JPL	FRI
	1300z	28 Apr	Into tfc - OTA - 1304z Q26	(Remote tuner Japan)	JPL	TUE
	1700z	29 Apr	Into tfc - OTA - 1707z Q26	(Remote tuner Japan)	JPL	WED
	1900z	29 Apr	Into tfc - OTA - 1904z Q26	(Remote tuner Japan)	JPL	WED
	1500z	30 Apr	Into tfc - OTA - 1504z Q26	(Remote tuner Japan)	JPL	THU
<b>5394.75//8001.75//12762.75</b>	2300z	23 Apr	Into tfc - OTA - 2310z Q26	(Remote tuner Japan)	JPL	THU
	1300z	24 Apr	Into tfc - OTA - 1305z Q26	(Remote tuner Japan)	JPL	FRI
	1100z	28 Apr	Into tfc - OTA - 1105z Q26	(Remote tuner Japan)	JPL	TUE
<b>5394.75//12762.75</b>	1000z	02 Ap	Into tfc - OTA - 1008z Q26	(Remote tuner Japan)	JPL	THU
	1100z	14 Apr	Into tfc - OTA - 1104z Q26	(Remote tuner Japan)	JPL	TUE
	1300z	14 Apr	Into tfc - OTA - 1304z Q26	(Remote tuner Japan)	JPL	TUE
	1100z	17 Ap	Into tfc - OTA - 2304z Q26	(Remote tuner Japan)	JPL	FRI
5555	(In tfc)	1200z	11 Apr In tfc - NR ../CCC CK	(Remote tuner Japan)	JPL	SAT

5887.75 (In tfc) 1714z 29 Apr In tfc - OTA - 1733z Q26 (Remote tuner Japan) JPL WED

Note: Another new Q26 frequency. In between, I heard LSB Chinese voices.  
 The operator switches to an unknown digital mode. The operator(s) ended up sending messages(s) in LSB voice.  
 The following decoded:

497 91 59 0430 0100  
 GKN9---BZZZ  
 8210 7777 8253 3320 3621 0101 2217 0997 0037 0097  
 8520 2834 2153 4465 2874 4991 7598 2413 4009 9041  
 5261 8087 6992 6595 8769 4977 8551 5199 7245 3239  
 3329 5064 4531 9471 4964 9397 9835 124578 5733  
 2926 7233 3913 7187 7441 1724 3732 5361 4805 6179  
 5610 7937 5720 7794 8247 1960 8803 3744 3875 3971  
 0966 7987 2017 5546 6126 3145 9080 4265 2156 0434  
 6937 0865 2205 3246 7920 3489 8989 6462 8060 3192  
 1674 4149 5551 7523 0268 8492 3213 2194 0872 0262  
 9465

497 91 59 0430 0100  
 MF80---BZZZ  
 8210 7777 8253 3320 3621 0101 2217 0997 0037 0097  
 8520 2834 2153 4465 2874 4991 7598 2413 4009 9041  
 5261 8087 6992 6595 8769 4977 8551 5199 7245 3239  
 3329 5064 4531 9471 4964 9397 9835 1217 4578 5733  
 2926 7233 3913 7187 7441 1724 3732 5361 4805 6179  
 5610 7937 5720 7794 8247 1960 8803 3744 3875 3971  
 0966 7987 2017 5546 6126 3145 9080 4265 2156 0434  
 6937 0865 2205 3246 7920 3489 8989 6462 8060 3192  
 1674 4149 5551 7523 0268 8492 3213 2194 0872 0262  
 9465

6203 1119z 24 Apr Into tfc - OTA - 1120z Q26 (Remote tuner Japan) JPL FRI  
 1130z 24 Apr Into tfc - OTA - 1133z Q26 (Remote tuner Japan) JPL FRI

6329 1241z 28 Apr In tfc - OTA - 1242z Q26 (Remote tuner Japan) JPL TUE

6557 Call Sign HBDD Replaced YHXD DE SAQC on 3968, 6936, 5479 & 10722kHz  
 1233z 01 Mar V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL SUN  
 1048z 03 Mar V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL TUE  
 1125z 05 Mar V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL THU  
 1130z 06 Mar V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL FRI  
 1107z 10 Mar V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL TUE  
 1049z 13 Mar V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL FRI  
 1036z 15 Mar V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL SUN  
 1001z 22 Mar V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL SUN  
 1110z 23 Mar V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL MON  
 1109z 02 Apr V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL THU  
 1115z 10 Apr V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL FRI  
 1136z 11 Apr V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL SAT  
 1202z 17 Apr V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL FRI

6557//11475 Call Sign HBDD Replaced YHXD DE SAQC on 3968, 6936, 5479 & 10722kHz  
 1049z 12 Mar V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL THU  
 1008z 17 Mar V WCJJ (x3) DE HBDD (x2) Chirpy sound (Remote tuner Japan) JPL TUE  
 1054z 20 Mar V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL FRI  
 1155z 13 Apr V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL MON  
 1058z 21 Apr V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL TUE

6886 Call Sign HBDD Replaced YHXD DE SAQC on 3968, 6936, 5479 & 10722kHz  
 1252z 10 Mar V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL TUE  
 1207z 27 Mar V WCJJ (x3) DE HBDD (x2) Chirpy sound (Remote tuner Japan) JPL FRI  
 1534z 28 Mar V WCJJ (x3) DE HBDD (x2) Chirpy sound (Remote tuner Japan) JPL SAT  
 1847z 30 Mar V WCJJ (x3) DE HBDD (x2) Chirpy sound (Remote tuner Japan) JPL MON  
 2209z 01 Apr V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL WED  
 1254z 14 Apr V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan) JPL TUE  
 1453z 24 Apr V WCJJ (x3) DE HBDD (x2) NR .925/CCK CK 12 4 13 14 RMKS 557 0050092 ... (Very weak) (Remote tuner Japan) JPL FRI

6875.75 1207z 11 Apr In tfc - OTA 1211z - BNGC DE XS30 Q26 (Remote tuner Japan) JPL SAT

7821 (In tfc) 1234z 06 Mar NR 035/CCK CK 51 37 0306 2030 RMKS 5014 TO 5408 5089 5231 5298 BT (Remote tuner Japan) JPL FRI

7856.75 (In tfc) 1235z 10 Mar In tfc - OTA 1227z - Very weak Q26 (Remote tuner Japan) JPL TUE

8001.75 (In tfc) 1023z 20 Mar In tfc - OTA - 1025z Q26 Note: // 5392.75 N/H (Remote tuner Japan) JPL FRI  
 2300z 01 Apr Into tfc - OTA - 2301z Q26 (Remote tuner Japan) JPL WED  
 1100z 12 Apr Into tfc - OTA - 1104z Q26 (Remote tuner Japan) JPL SUN  
 1500z 12 Apr Into tfc - OTA - 1504z Q26 (Remote tuner Japan) JPL SUN  
 1500z 23 Apr Into tfc - OTA - 1504z Q26 (Remote tuner Japan) JPL THU

8001.75//12762.75 1100z 21 Apr Into tfc - OTA - 1105z Q26 (Remote tuner Japan) JPL TUE  
 1119z 28 Apr In tfc - OTA - 1120z Q26 (Remote tuner Japan) JPL TUE

9042	2343z	01 Apr	Into Q26 - Into M95 2352z - V.weak // 6352 and 4156 N/H M95 (Remote Japan)	JPL	WED
			NR 039 CK 18 35 0402 0606 BT NR 84 CK 58 35 0402 0714 BT NR 03 CK 109 35 0402 0730 BT		
9392	2318z	01 Apr	In tfc - Q26 - Into M95 - 2323z // 4225 N/H - XS24 M95 (Remote tuner Japan)	JPL	WED
			NR 274 CK 120 35 0402 0703 BT ZNN SK - 2333z		
	2311z	23 Apr	Into V26 - Chinese - Female - Into tfc - Q26 - 2318z - Into M95 - 2317z (Remote Japan)	JPL	THU
			NR 340 CK 122 35 0424 0658 BT		
9972	(In tfc) 0154z	03 Mar	NR 001/CCK 152 24 0103 0940 RMKS 5678 TO 1234 BT (Remote tuner Japan)	JPL	TUE
10393	(In tfc) 0200z	03 Mar	In tfc - NIL SK (Remote tuner Japan)	JPL	TUE
11475	Call Sign HBDD		Replaced YHXD DE SAQC on 3968, 6936, 5479 & 10722kHz		
	1107z	10 Mar	V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan)	JPL	TUE
	1058z	13 Mar	V WCJJ (x3) DE HBDD (x2) Chirpy sound (Remote tuner Japan)	JPL	FRI
	0832z	15 Mar	V WCJJ (x3) DE HBDD (x2) Chirpy sound (Remote tuner Japan)	JPL	SUN
	0952z (In tfc)	20 Mar	V WCJJ (x3) DE HBDD (x2) Chirpy sound (Remote tuner Japan)	JPL	FRI
	1001z (In tfc)	22 Mar	V WCJJ (x3) DE HBDD (x2) Chirpy sound (Remote tuner Japan)	JPL	SUN
	1110z	23 Mar	V WCJJ (x3) DE HBDD (x2) Chirpy sound (Remote tuner Japan)	JPL	MON
	1012z	27 Mar	V WCJJ (x3) DE HBDD (x2) Chirpy sound (Remote tuner Japan)	JPL	FRI
	1023z	28 Mar	V WCJJ (x3) DE HBDD (x2) Chirpy sound (Remote tuner Japan)	JPL	SAT
	1006z	30 Mar	V WCJJ (x3) DE HBDD (x2) Chirpy sound (Remote tuner Japan)	JPL	MON
	1115z	10 Apr	V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan)	JPL	FRI
	0948z	14 Apr	V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan)	JPL	TUE
	1008z	17 Apr	V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan)	JPL	FRI
	0954z	24 Apr	V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan)	JPL	FRI
	1047z	28 Apr	V WCJJ (x3) DE HBDD (x2) (Remote tuner Japan)	JPL	TUE
12762.75	2301z	01 Apr	In tfc - OTA - 2304z Q26 (Remote tuner Japan)	JPL	WED
	1100z	12 Apr	Into tfc - OTA - 1104z Q26 (Remote tuner Japan)	JPL	SUN
			Note: 5394.75 was up at the same time, but was using unknown digital node.		
	1300z	13 Apr	Into tfc - OTA - 1304z Q26 (Remote tuner Japan)	JPL	MON
	1450z	13 Apr	Into tfc - OTA - 1459z Q26 (Remote tuner Japan)	JPL	MON
	2300z	14 Apr	Into tfc - OTA - 2304z Q26 (Remote tuner Japan)	JPL	TUE

## Marker Beacons (MX MXI)

3168.5	2059z	12 Mar	MX CW Beacon "L" (Fast)	Weak with QSB	BR	THU
4557.7	2101z	12 Mar	MXI CW Beacon "D" Sevastopol	Good	BR	THU
4557.9	2102z	12 Mar	MXI CW Beacon "S" Severomorsk	Weak	BR	THU
5153.7	2103z	12 Mar	MXI CW Beacon "D" Sevastopol	Weak	BR	THU
	1955z	10 Apr	MXI CW Beacon "D" Sevastopol	Weak	BR	SUN
5153.9	2104z	12 Mar	MXI CW Beacon "S" Severomorsk	Weak	BR	THU
5154.1	2104z	12 Mar	MXI CW Beacon "A" Astrakhan	Weak	BR	THU
	1955z	19 Apr	MXI CW Beacon "A" Astrakhan	Weak	BR	SUN
5156.8	2105z	12 Mar	MX CW Beacon "L" St Petersburg (Fast)	Weak	BR	THU
5445	2107z	12 Mar	MX CW Beacon "V" Slow	Weak	BR	THU
	1957z	19 Apr	MX CW Beacon "V" Slow	Fair	BR	SUN
6752	1904z	17 Apr	MX CW Beacon 'S'		E	FRI
7508.7	0903z	12 Mar	MXI CW Beacon "D" Sevastopol	Fair	BR	THU
	2110z	12 Mar	MXI CW Beacon "D" Sevastopol	Strong	BR	THU
	1145z	20 Apr	MXI CW Beacon "D" Sevastopol	V.Weak	BR	MON
7508.9	0903z	12 Mar	MXI CW Beacon "S" Severomorsk	Fair	BR	THU
	2111z	12 Mar	MXI CW Beacon "S" Severomorsk	Fair	BR	THU
	2000z	19 Apr	MXI CW Beacon "S" Severomorsk	Fair	BR	SUN
7509	0904z	12 Mar	MXI CW Beacon "C" Moscow	Weak	BR	THU
	2110z	12 Mar	MXI CW Beacon "C" Moscow	Good	BR	THU
	2000z	19 Apr	MXI CW Beacon "C" Moscow	Fair	BR	SUN
8494.7	2112z	12 Mar	MXI CW Beacon "D" Sevastopol	Fair under digital QRM	BR	THU
	2001z	19 Apr	MXI CW Beacon "D" Sevastopol	Fair under digital QRM	BR	SUN
8494.9	0901z	12 Mar	MXI CW Beacon "S" Severomorsk	Fair under digital QRM	BR	THU
	1143z	20 Apr	MXI CW Beacon "S" Severomorsk	Weak	BR	MON
8495	1143z	20 Apr	MXI CW Beacon "C" Moscow	Weak	BR	MON
8497.8	0859z	12 Mar	MX CW Beacon "L" St Petersburg	Fair	BR	THU
	2113z	12 Mar	MX CW Beacon "L" St Petersburg	Weak	BR	THU
	2002z	19 Apr	MX CW Beacon "L" St Petersburg	Fair	BR	SUN
	1142z	20 Apr	MX CW Beacon "L" St Petersburg	Weak	BR	MON

10871.7	0857z	12 Mar	MXI	CW	Beacon "D"	Sevastopol	Weak	BR	THU
	2115z	12 Mar	MXI	CW	Beacon "D"	Sevastopol	V.Weak	BR	THU
	2003z	19 Apr	MXI	CW	Beacon "D"	Sevastopol	Good	BR	SUN
	1140z	20 Apr	MXI	CW	Beacon "D"	Sevastopol	Good	BR	MON
10871.8	1140z	20 Apr	MXI	CW	Beacon "P"	Kaliningrad	Good	BR	MON
10871.9	0858z	12 Mar	MXI	CW	Beacon "S"	Severomorsk	Fair	BR	THU
	1141z	20 Apr	MXI	CW	Beacon "S"	Severomorsk	Goodr	BR	MON
13527.7	0855z	31 Mar	MXI	CW	Beacon "D"	Sevastopol	Fair	BR	THU
	2005z	19 Apr	MXI	CW	Beacon "D"	Sevastopol	Weak	BR	SUN
	1138z	20 Apr	MXI	CW	Beacon "D"	Sevastopol	Fair	BR	MON
13528	0855z	12 Mar	MXI	CW	Beacon "C"	Moscow	Fair	BR	THU
	1138z	20 Apr	MXI	CW	Beacon "C"	Moscow	Fair	BR	MON
16331.7	0851z	12 Mar	MXI	CW	Beacon "D"	Sevastopol	Good	BR	THU
	1135z	20 Apr	MXI	CW	Beacon "D"	Sevastopol	Fair	BR	MON
16331.9	1136z	20 Apr	MXI	CW	Beacon "S"	Severomorsk	Good	BR	MON
16332.1	0852z	12 Mar	MXI	CW	Beacon "A"	Astrakhan	Weak	BR	TUE
	1137z	20 Apr	MXI	CW	Beacon "A"	Astrakhan	Weak	BR	MON
20047.7	0850z	12 Mar	MXI	CW	Beacon "D"	Sevastopol	Fair	BR	THU
	1134z	20 Apr	MXI	CW	Beacon "D"	Sevastopol	Good	BR	MON
20048.1	0850z	12 Mar	MX	CW	Beacon "A"	Astrakhan	Weak	BR	THU
	1134z	20 Apr	MX	CW	Beacon "A"	Astrakhan	Weak	BR	MON

## Oddities

### S28      'The Buzzer'

4625	2119z	12 Mar	S28	NRH - Off Air	USB		BR	THU
	2017z	18 Apr	S28	Pop Mx and songs over buzzer	USB		E	SAT
	2006z	19 Apr	S28	No Buzzer heard – Music playing + int. digital bursts	USB		BR	SUN
	1917z	22 Apr	S28	Usual Buzzer sound	USB	Weak	BR	WED

### S30      'The Pip'

3756	2120z	12 Mar	S30	'Pip' marker (Night freq)	Good	USB	BR	THU
	2009z	19 Apr	S30	'Pip' marker (Night freq)	Fair	USB	BR	SUN

### New Additional 'Pip' Markers

3363	2123	12 Mar		'Pip' Marker	Fair	USB	BR	THU
	2012z	19 Apr		'Pip' Marker	Fair	USB	BR	SUN

### Contributors:

AB & Colleagues, BR, 'E', Gert, Hiram, JPL, PoSW

*Thank you all for your logs.*

# Voice, Polytone, Tones and Hybrids

## E06

### E06 Mar/April log

<b>Saturday</b>		<b>1600z</b>	<b>12211khz</b>	<b>1630z</b>	<b>9481kHz</b>						
07/03	'480'	237 41 67027 84542 14915 19316 54014 47209 79531 29073 97209 70518 65785 13190 67916 94619 06595 86705 36543 83638 91097 94505 04359 60461 90461 53723 18013 12673 43675 70318 02353 84848 03138 61202 43138 02939 05859 78764 65691 27680 69041 60102 97539 237 41 00000									
<b>Sunday</b>		<b>0730z</b>	<b>13921khz</b>	<b>0800z</b>	<b>12089kHz</b>						
01/03	'480'	937 45 13576 13561 24641 61907 07687 41470 96287 85286 73406 14357 05497 85302 60489 01586 64607 96023 58721 04278 14757 38452 03649 56201 40370 35672 46476 07171 59827 59238 86396 20598 13968 47898 60615 76973 34749 89210 42785 08727 12386 43529 03950 56848 43961 05918 86701 937 45 00000									
22/03	'480'	136 48 59725 05070 27403 50543 67862 41691 09248 68165 85065 52968 74346 32893 06836 64525 30851 69818 23631 47239 52695 15419 23058 40479 94240 73984 40698 05760 37098 29274 18571 75345 35689 17892 19176 81918 92752 45356 29451 48206 72896 98749 32650 56181 51705 82364 40135 85364 76943 30428 136 48 00000									
29/03	'480'	196 43 68957 59592 24085 95072 06570 27036 97642 82917 78038 60286 32067 93835 36436 69147 35631 01487 73142 03586 58050 30319 43065 41539 46321 07347 39897 62543 30912 79080 29036 07608 31752 91983 37080 08248 04752 76760 76283 34739 65417 05086 01434 31348 37426 196 43 00000									
		<b>0730z</b>	<b>14388kHz</b>	<b>0800z</b>	<b>11567kHz</b>						
05/04	'480'	319 46 23045 97962 56361 42921 51096 72408 35167 94818 36257 17368 07673 16164 89249 19093 43916 06548 98461 39435 80543 47240 39391 61725 45647 24783 27985 56056 53904 41569 51834 86912 26291 94328 62053 95871 02652 45419 80467 73960 19386 53741 36275 24956 96979 24821 38031 20397 319 46 00000									

12/04 '480' 397 41 20107 26036 01463 02602 94958 92860 08618 03975 97375 40245 26985 70810 90937 23064 65960 40912 71874 01526 45167 68659  
41702 78982 04198 27479 80651 81765 52068 94171 17240 92059 27530 84908 30460 29895 61354 51356 18701 92908 24753 79832  
18610 397 41 00000

19/04 '480' 976 43 54198 19104 27070 62154 29105 17246 28360 05360 82701 14032 24568 84728 21395 01367 95946 25207 46969 52726 83287 87907  
21592 45834 12303 45042 80648 27274 71296 84676 21278 45186 14985 36043 20356 07301 76381 23921 12702 82061 57546 10343  
21516 05264 78398 976 43 00000

**Some analysis from PoSW, followed by two logs from Manolis:**

**Saturday Schedule:-**

An E06 had been showing up at 1630 UTC on Saturdays in February on 6792 kHz, the repeat of a transmission at 1600 on a higher frequency. In March the 1600z sending was

found on 12211:-

21-March-26:- 1600 UTC, 12211 kHz, call "480", DK/GC "136 136 48 48", signal strength up and down, ended after 1613z.

28-Mar-26:- 1600 UTC, 12211 kHz, "480", DK/GC "196 196 43 43", ended at 1612:15s.

5-Apr-26:- 1600 UTC, 12211 kHz, keeping the same frequency as in March, "480", DK/GC "319 319 46 46", good signal.

11-Apr-26:- 1600 UTC, 12211 kHz, "480", DK/GC "397 397 41 41", ended a few seconds before 1612 UTC.

18-Apr-26:- 1600 UTC, 12211 kHz, "480", DK/GC "976 976 43 43", good signal, ended at 1612:14s UTC.

25-Apr-26:- 1600 UTC, 12211kHz, weak signal, difficult copy, largely unreadable.

**Sunday Schedule:-**

A Sunday E06 at 0730 UTC had been showing up on Sundays in February: nothing found at this time in March but found half an hour later:-

1-Mar-26:- 0809 UTC, 12089 kHz, transmission found in progress, not too strong, ended around 0812 UTC with, "937 937 45 45 00000".

8-Mar-26:- 0800 UTC, 12089 kHz, call "480", DK/GC "237 237 41 41", weak signal.

15-Mar-26:- 0730 UTC, 13921 kHz, first sending of this schedule courtesy of the Priyom website, call "480", DK/GC "732 732 45 45".

0800 UTC, 12089 kHz, strong signal, ended at 0812:40s UTC.

22-Mar-26:- 0730 UTC, 13921 kHz, call "480", DK/GC "136 136 48 48" signal fading up and down. Ended at 0743:15s approx. 0800 UTC, 12089 kHz, weak signal.

29-Mar-26:- 0730 UTC, 13921 kHz, call "480", DK/GC "196 196 43 43". 0800 UTC, 12089 kHz, ended at 0812:15s UTC.

12-Apr-26:- 0736 UTC, 14388 kHz, transmission in progress, not very strong, ended a few seconds before 0742 UTC with, "397 397 41 41 00000", as expected a repeat of the message heard on the previous day on 12211.

19-Apr-26:- 0730 UTC, 14388 kHz, too weak to copy, could just hear "480" call.

26-Apr-26:- 0730 UTC, 14388 kHz, "480", DK/GC "269 269 45 45", reasonable signal with occasional deep fading.

**From Manolis**

14388 kHz 0730z 12/04 [480 397 41 20107 26036 01463 02602 94958...]	0742z Twente SDR	MG	SUN
14388 kHz 0730z 26/04 [480 269 45 35425 ...] Fair QSB hard to follow		MG	SUN
11567 kHz 0800z 26/04 [480 269 45 35425 ...] Weak hard to follow	Twente SDR	MG	SUN

# **E07**

**We start the English Man logs with Peter's offering. The variation is signal strength, due to location, noticeable in 'Other's Logs, which follows on:**

**Tuesday + Friday Schedule. 1500 UTC Start:-**

3-Mar-26, Tue:- 1504 UTC, 14571 kHz, message in progress, missed the start, ended at 1513:20s UTC approx.

1520 UTC, 15851 kHz, "584 584 584 1", DK/GC "883 131" x 2.

1540 UTC, 17451 kHz, strong signal. Using the same frequencies as in March of last year.

10-Mar-26, Tue:- 1500 UTC, 14571 kHz, "584 584 584 000", strong signal.

1520 UTC, 15821 kHz, weaker.

17-Mar-26, Tue:- 1500 UTC, 14571 kHz, "584 584 584 1", DK/GC "2036 190" x 2, ended around 1518:15s UTC.

1520 UTC, 15851 kHz, good signal.

1540 UTC, 17451 kHz, strongest sending of the three.

20-Mar-26, Fri:- 1500 UTC, 14571 kHz, "584" and "2036 190" again.

1520 UTC, 15851 kHz, interference from a tone extending from approx 15846 to 15903 kHz.

1540 UTC, 17451 kHz, strong signal.

24-Mar-26, Tue:- 1500 UTC, 14571 kHz, "584 584 584 000", weak signal.  
1520 UTC, 15851 kHz, stronger.

27-Mar-26, Fri:- 1500 UTC, 14571 kHz and 1520 UTC, 15871 kHz, "584 584 584 000".

31-Mar-26, Tue:- 1500 UTC, 14571 kHz, "584 584 584 1", message, DK/GC "917 67" x 2.  
much shorter message than usual, all done at 1508:10s UTC, strong signal.  
1520 UTC, 15851 kHz, slightly weaker.  
1540 UTC, 17451 kHz, strong signal with some fading up and down.

3-Apr-26, Fri:- 1500 UTC, 16257 kHz, "221 221 221 1", DK/GC "917 67" x 2, as on 31-March, good signal with some fading.  
1520 UTC, 18257 kHz, signal strength varying.  
1540 UTC, 19157 kHz, weak signal.

7-Apr-26, Tue:- 1500 UTC, 16257 kHz, "221 221 221 000".  
1520 UTC, 18257 kHz, both fair signals.

17-Apr-26, Fri:- 1500 UTC, 16257 kHz, "221 221 221 1", message, DK/GC "8859 112" x 2, ended at 1511:50s UTC. Interference from a "buzz" -  
sounded like an angry hornet -  
extending from approx 16236 to 16289 kHz.  
1520 UTC, 18257 kHz, second sending.  
1540 UTC, 19157 kHz, weak at first then became stronger.

21-Apr-26, Tue:- 1500 UTC, 16257 kHz, "221 221 221 000".  
1520 UTC, 18257 kHz, both fair signals.

#### Thursday + Saturday Schedule, 1000 UTC Start:-

Not the most convenient time for those of us who are out and about at ten in the morning  
or eleven after the start of British Summer Time.

7-Mar-26, Sat:- 1000 UTC, 18192 kHz, "149 149 149 000", around "6" on the S-meter.  
1020 UTC, 17425 kHz, also around "6".

12-Mar-26, Thu:- 1000 UTC, 18192 kHz, "149 149 149 1", message, DK/GC unreadable  
due to interference from a very strong pulse/buzz extending several kHz either side - which obliged us by going off after 1004z. E07 ended at 1019  
UTC.  
1020 UTC, 17425 kHz, DK/GC "888 200" x 2, echo effect on voice at times.  
1048 UTC, 15978 kHz, third sending in progress, weak signal.

28-Mar-26, Sat:- 1000 UTC, 18192 kHz, "149 149 149 1", message, DK/GC "926 175" x 2,  
ended at 1017 UTC.

9-Apr-26, Thu:- 1000 UTC, 18273 kHz, "248 248 248 1", DK/GC "5745 186" x 2. Good signal, ended at 1017:55s UTC.  
1020 UTC, 17459 kHz, weaker.  
1040 UTC, 15891 kHz, weak signal, difficult copy at times.

16-Apr-26, Thu:- 1020 UTC, 17459 kHz, missed the first sending, "248 248 248 000".

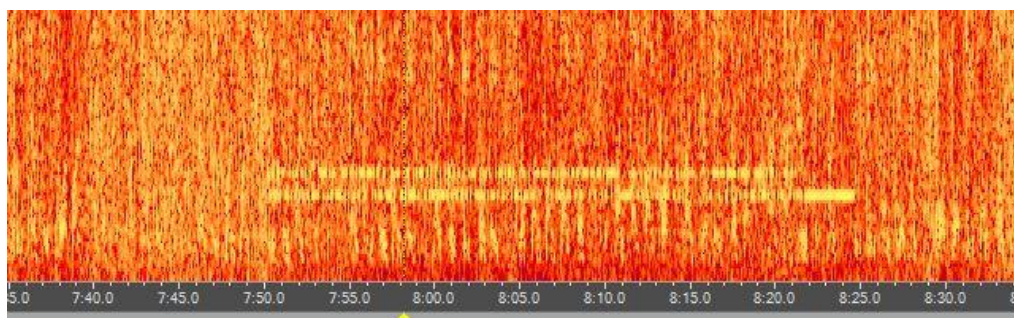
23-Apr-26, Thu:- 1000 UTC, 18273 kHz, "248 248 248 1", message, DK/GC "971 191" x 2, weak signal, sank into noise and became unreadable.  
1020 UTC, 17459 kHz, weak at first, became slightly stronger, ended at 1038:40s UTC.  
1040 UTC, 15891 kHz, by far the strongest sending of the three.

25-Apr-26, Sat:- 1000 UTC, 18273 kHz, "248" and "971 191" again, in contrast with Thursday a strong signal.  
1020 UTC, 17459 kHz, also strong.  
1040 UTC, 15891 kHz, the weakest sending this morning, difficult copy.

#### **Tuesday/Friday**

#### **March 2026**

<b>1500z</b>	<b>14571kHz</b>	<b>1520z</b>	<b>15851kHz</b>	<b>1540z</b>	<b>17451kHz</b>
03/03	584 1 883 131 90518 ... 29311 000 000				1500z Fair, rest Weak. 1540z TTYQRM2
06/03	584 1 883 131 90518 ... 29311 000 000				1500z Fair, rest Weak, 1540z TTY signal, see below



TTY signal seen on 1540z

10/03	584 000	Fair		
13/03	584 000	1500z Fair, 1520z Weak	E	FRI
17/03	584 1 2036 190 07300 ... 147— 000 000	Weak		
20/03	584 1 2036 190 07300 ... 33146 000 000	Weak		
24/03	584 000	Weak		
27/03	584 000	Weak		
31/03	584 1 917 67 48359 ... 98748 000 000	1500z Strong, rest Weak		

584 1 917 67  
48359 13832 72733 92128 86611  
25871 32768 16168 29356 07946  
86847 64617 24809 11263 43979  
88912 11264 23530 73329 09043  
32542 63109 98337 13217 72048  
28404 57661 89969 61442 48217  
25619 20854 41120 95076 12099  
55769 43385 41679 26022 32052  
47189 82213 78877 80877 82251  
71838 98700 76877 05004 63607  
22097 27971 71063 08992 46837  
85479 39976 63579 46957 43174  
67233 23550 39904 92615 33736  
11788 98748 000 000

*Courtesy HJJ*

**April 2026**

1500z	16257kHz	1520z	18257kHz	1540z	19157kHz		
03/04	221 1 917 67 48359 ... 98748 000 000					1540z NOT MONITORED, rest Weak	
07/04	221 000					1500z Weak, 1520z NRH	
10/04	221 000					1500z Weak, 1520z NRH	
14/04	221 1 8859 112 17135 ... 59589 000 000					1500z Fair, rest Weak	
17/04	221 1 8859 112 17135 ... 59589 000 000					1500z Fair, rest Weak	
21/04	221 000					1500z Weak, 1520z NRH	
24/04	221 000					Weak	KW FRI
28/04	221 1 3540 144 12019 ... 39529 000 000					1520z NRH, rest Weak 1430z lg	

**Thursday/Saturday**

**March 2026**

1000z	18192 kHz	1020z	17425 kHz	1040z	15978 kHz		
05/03	149 000					Thanks Ary	
07/03	149 000					Weak	
12/03	149 1 (888 200) 30942 62222 38837 68593 98576.... 18192 was swamped by OTHR at start & 15978 suffered QRM from digital signal slightly LF.						BR THU
14/03	149 1 (888 200) 30942 62222 .. 09475 15018 000 000						Gert SAT

149 149 149 1 (R2m)  
888 200 888 200  
30942 62222 38837 68593 98576 05795 09468 96570 71101 17287  
24887 92931 71455 29542 64184 04776 38401 19672 44650 21695  
96493 96895 24874 60823 50978 97851 14464 67551 40439 54605  
95364 82981 46306 34777 46575 61281 37642 19502 21582 17977  
04640 94461 82990 39824 42098 67432 12165 54988 51432 64788  
28258 84242 04126 58180 78640 89502 85027 13084 68265 15077  
17384 42434 63330 03434 62588 31469 58808 45533 06201 79952  
49448 41240 00552 11576 33458 11831 28990 00511 71977 22023  
99191 53639 85299 53471 56542 88454 99594 70816 96753 65975  
65990 30780 31042 41490 78035 72852 58345 55875 44828 63997  
46738 35219 50430 09482 27923 71427 80018 94530 10897 78708  
70117 64778 65776 79664 39024 90510 40185 93785 08709 20837

61914 90627 88740 47256 45312 87274 67112 39735 63343 26594  
 31536 69119 31141 35160 90005 46856 33262 45705 10496 49492  
 90966 67524 82389 99740 06371 59090 24717 93487 19068 77051  
 74309 93917 93866 29887 16702 07598 79707 20826 58457 89660  
 38746 67514 37678 30600 77876 20191 67564 95725 61097 79400  
 44827 27410 75432 67849 76820 24709 35238 14756 93011 96651  
 01435 60713 16950 75303 76253 26988 62576 83361 19390 10984  
 02771 97497 37237 75073 81313 06604 43865 69324 09475 15018  
 000 000

Courtesy Gert

19/03	149 000	Weak		
21/03	NRH, poor condx			
26/03	149 1 926 175 53229 ... 69924 000 000	Poor	BR	THU
28/03	149 1 926 175 53229 ... 69924 000 000	Weak		

**April 2026**

1000z	18273kHz	1020z	17459kHz	1040z	15891kHz			
02/04	248 000					Fair	BR	THU
04/04	NRH							
09/04	248 1 (5745 186) 19471 53962 38499 19410 67238....					Good/Fair/Fair	BR	THU
11/04	248 1 (5745 186) 19471 53962 38499 19410 67238....					Fair/Fair/Weak	BR	SAT
16/04	248 000					Weak/Fair	BR	THU
18/04	NOT MONITORED							
23/04	248 1 (971 191) 27358 52316 81265 43250 26231....					Fair/Weak/Fair	BR	THU
25/04	248 1 971 191 27358 ... 57853 000 000					1040z NRH, rest Weak [18m23s lg]		
30/04	248 000					Fair	BR	THU

**E11 log March/April**

4181kHz	1610z	04/03 [399/00] Out 1613z Weak	PLdn	WED
	1610z	11/03 [352/00]	E	
	1610z	18/03 [390/00] Out 1613z Weak	PLdn	WED
	1610z	15/04 [393/00] Fair	RNGB, Gary H	WED
	1610z	18/04 [395/00] Strong	Gary H	SAT
	1610z	25/04 [396/00] Strong	Gary H	SAT
4505kHz	1645z	07/03 [364/00] Good	RNGB	SAT
	1645z	26/04 [369/00]	Gary H	SUN
5176kHz	1605z	15/03 [231/00] Out 1608z Weak	PLdn	SUN
	1605z	17/03 [237/00] Out 1608z Weak	PLdn	TUE
	1605z	22/03 [235/00] Out 1608z Weak	PLdn	SUN
	1605z	19/04 [231/00]	Gary H	SUN
	1605z	21/04 [233/00] Weak	PLdn	TUE
5371khz	1300z	05/03 [316/00] Very weak	Brian	THU
5737kHz	2000z	05/04 [521/00] Out 2003z Fair	PLdn	SUN
	2000z	09/04 [528/00] Out 2003z	PLdn	THU
	2000z	12/04 [52100] Out 2003z Fair	PLdn	SUN
	2000z	16/04 [524/00] Out 2003z Weak	PLdn	THU
	2000z	19/04 [525/00] Out 2003z Fair	PLdn	SUN
	2000z	26/04 [525/31 67421.....81920] Out 2010z Fair	PLdn	SUN
6923khz	1715z	04/03 [974/31 76569 93189 66239 19552 08204 59416 97763.....87793 09915] Out 1725z	PLdn, Brian	WED
	1715z	11/03 [972/00] Out 1718z Strong	PLdn, E	WED
	1715z	13/03 [975/00] Out 1718z Strong	PLdn	FRI
	1715z	20/03 [977/00]	Gary H	FRI
	1715z	03/04 [974/36 01615.....87270] Out 1725z Strong	PLdn	FRI
	1715z	10/04 [974/00] Out 1718z Strong	PLdn	FRI
	1715z	15/04 [977/00] Out 1718z Strong	PLdn	WED
	1715z	17/04 [977/00] Out 1718z Strong	PLdn	FRI
	1715z	22/04 [978/00] Out 1718z Strong	PLdn	WED
	1715z	29/04 [978/00] Out 1718z Strong	PLdn	WED

6940kHz	0930z	04/03 [278/00] Weak	Brian, PLdn	WED
	0930z	05/03 [279/00] Out 0933z Weak	PLdn	THU
	0930z	11/03 [276/00] Good	RNGB, Brian, PLdn	WED
	0930z	12/03 [276/00] Weak	Brian, PLdn	THU
	0930z	18/03 [278/00] Good	RNGB, Brian	WED
	0930z	19/03 [275/00] Good	RNGB, Brian	THU
	0930z	25/03 [270/39 65402.....81849] Out 0941z Weak	PLdn	WED
	0930z	01/04 [279/00] Weak	Brian	WED
	0930z	02/04 [278/00] Weak	Brian	THU
	0930z	08/04 [273/35 76096 87905 57331 21917 35646 69291 57602 56808.....44305 03331] Fair	Brian	WED
	0930z	15/04 [275/00] Fair	Brian	WED
	0930z	16/04 [277/00] Fair	Brian	THU
	0930z	22/04 [275/00] Weak	Brian	WED
	0930z	23/04 [275/00] Weak	Brian	THU
	0930z	29/04 [275/00] Weak	Brian	WED
	0930z	30/04 [275/00] Weak	Brian	THU
7317kHz	1900z	02/03 [649/00] Good	Brixmis, PLdn	MON
	1900z	06/04 [648/32 41411 39966 55918 67957 3012211894 22737.....38441 67034] Out 1910z Strong	PLdn	MON
	1900z	16/04 [647/00] Out 1903z Strong	PLdn	THU
	1900z	20/04 [641/00] Out 1903z Strong	PLdn	MON
	1900z	27/04 [646/00] Out 1903z Strong	PLdn	MON
8180kHz	0700z	03/03 [570/00] Strong	RNGB, PLdn	TUE
	0700z	06/03 [571/00] Out 0703z Strong	PLdn	FRI
	0700z	10/03 [571/40 82402.....18137] Out 0711z Fair	PLdn	TUE
	0700z	20/03 [576/00] Out 0703z Strong	PLdn	FRI
	0700z	24/03 [574/00] Strong	RNGB, PLdn	TUE
	0700z	27/03 [575/00] Good	RNGB	FRI
	0700z	31/03 [574/00] Good	RNGB, Brian, PLdn	TUE
	0700z	03/04 [575/00] Good	RNGB, Brian, PLdn	FRI
	0700z	07/04 [571/00] Out 0703z Strong	PLdn, Brian	TUE
	0700z	10/04 [577/00] Out 0703z Fair	PLdn	FRI
	0700z	14/04 [579/00] Good	RNGB	TUE
	0700z	17/04 [579/00] Good	RNGB, PLdn	FRI
	0700z	21/04 [577/00] Strong	RNGB, PLdn	TUE
	0700z	24/04 [571/00] Strong	RNGB	FRI
	0700z	28/04 [574/39 46327 05863 00945 87861 56332 05907 02748 19658.....57672 03005] Good	RNGB, PLdn	TUE
8423kHz	0720z	26/03 [431/00] Good	RNGB	THU
	0720z	27/03 [436/00] Strong	RNGB	FRI
	0720z	02/04 [434/00] Strong	RNGB	THU
	0720z	03/04 [439/00] Good	Brian	FRI
	0720z	09/04 [432/00] Good	RNGB, Brian	THU
	0720z	10/04 [436/00] Fair	Brian	FRI
	0720z	16/04 [435/31 30229 13682 93968 48986 90522 76878 37284 83504.....79743 38161] Good	RNGB	THU
	0720z	23/04 [435/00] Fair	Brian	THU
	0720z	24/04 [436/00] Strong	RNGB	FRI
	0720z	30/04 [439/00] Strong	RNGB	THU
8530kHz	1910z	03/04 [610/00] Out 1913z Weak	PLdn	FRI
	1910z	05/04 [612/00] Out 1913z Weak	PLdn	SUN
	1910z	10/04 [617/30 28004 91422 32023 23453 12629 72850 48466 20379.....27634 41357]	Ary	FRI
	1910z	12/04 [288/30 11803 44407 88695 59110 06329 17202.....87744 98598] NOTE: S11a ID	Ary	SUN
	1910z	17/04 [617/00] Out 1913z Weak	PLdn	FRI
	1910z	19/04 [618/00] Out 1913z Weak	PLdn	SUN
	1910z	26/04 [618/00] Out 1913z Weak	PLdn	SUN
8680kHz	0600z	08/03 [355/00] Out 0603z Weak	PLdn	SUN
	0600z	20/03 [359/35....] Too weak to copy	PLdn	FRI
	0600z	03/04 [355/00] Out 0603z Fair	PLdn	FRI
	0600z	10/04 [359/00] Good	RNGB, PLdn	FRI
9079kHz	0700z	07/03 [491/00] Weak	PLdn	SAT
	0700z	21/03 [497/00] Good	RNGB, Brixmis	SAT
	0700z	22/03 [496/00] Fair	RNGB	SUN
	0700z	04/04 [491/36 36685 55706 22025 33446 19154 00159 09756 53942.....34333 16498] Good	RNGB	SAT
	0700z	18/04 [497/00] Good	RNGB	SAT
	0700z	25/04 [490/00] Good	RNGB	SAT
9399kHz	1205z	03/03 [466/00] Fair	Brian	TUE
	1205z	04/03 [462/00] Fair	Brian	WED
	1205z	11/03 [464/00] Fair	Brian, PLdn	WED
	1205z	18/03 [463/36 19660 34152 52059 60685 62075 34784 81160 54453.....86977 54885]	Gary H	WED
	1205z	25/03 [466/00] Good	RNGB, Brixmis	WED
	1205z	31/03 [466/00] Weak	Brixmis	TUE
9446kHz	0720z	05/03 [438/00] Very weak	Brixmis	THU
	0720z	12/03 [435/39 79363 02108 38292 45797 98604 83405 05442.....57270 34754] Good	RNGB	THU
9610kHz	0645z	01/04 [414/00] Good	RNGB	WED
	0645z	06/04 [418/00] Good	RNGB	MON
	0645z	15/04 [411/00] Good	RNGB	WED

	0645z	20/04 [412/34 68994 83772 92702 16363 14747 13205 21719.....66530 86456] Strong	RNGB	MON
	0645z	27/94 [411/00] Good	RNGB	MON
9951kHz	1000z	06/03 [306/22 57104 86262 01732 20232 62506 86353 95991.....75363 50923] Good	RNGB, Brian	FRI
	1000z	10/03 [300/00] Good	Brian	TUE
	1000z	13/03 [300/00] Good	RNGB, Brian	FRI
	1000z	17/03 [308/00] Good	Brian	TUE
	1000z	20/03 [309/00] Good	RNGB	FRI
	1000z	24/03 [309/00] Good	RNGB, Brian	TUE
	1000z	27/03 [306/00] Fair	Brian	FRI
	1000z	31/03 [309/00] Good	Brian	TUE
	1000z	03/04 [306/00] Fair	Brian	FRI
	1000z	07/04 [304/00] Fair	Brian	TUE
	1000z	14/04 [305/40 77622 13786 94259 21558 42375 72075 00941 97718.....37379 21390] Fair	Brian	TUE
	1000z	21/04 [305/00] Fair	Brian	TUE
	1000z	28/04 [307/00] Fair	Brian	TUE
10213kHz	0745z	02/03 [269/00] Good	RNGB, PLdn	MON
	0745z	09/03 [264/00] Out 0748z Weak	PLdn	MON
	0745z	16/03 [260/40 44168.....81788] Out 0756z Weak	PLdn	MON
	0745z	30/03 [261/00] Good	RNGB, Brian	MON
	0745z	13/04 [261/00] Good	RNGB, Brian	MON
	0745z	20/04 [262/00] Good	RNGB, Brian	MON
	0745z	27/04 [266/31 06567 80682 07131 65208 87004 07794 76322 63292.....83707 73427] Good	RNGB, Brian	MON
10330kHz	1530z	05/03 [262/00]	Gary H, Pldn	THU
	1530z	12/03 [268/00] Out 1533z Weak	PLdn	THU
	1530z	26/03 [269/00] Out 1533z Fair	PLdn	THU
	1530z	02/04 [262/00]	Gary H	THU
	1530z	09/04 [264/00]	Gary H	THU
	1530z	16/04 [262/00] Out 1533z Weak	PLdn	THU
11116kHz	1815z	05/04 [929/00] Out 1818z Fair	PLdn	SUN
	1815z	12/04 [929/00] Out 1818z Weak	PLdn	SUN
	1815z	17/04 [920/31 85783.....26224] Out 1824z Weak	PLdn	FRI
	1815z	26/04 [921/00] Out 1818z Fair	PLdn	SUN
12202kHz	0845z	02/03 [710/00] Good	RNGB, Brian	MON
	0845z	04/03 [713/00] Very weak	Brian	WED
	0845z	09/03 [718/00] Good	RNGB, Brian, Hiram	MON
	0845z	11/03 [714/00] Very weak	Brian	WED
	0845z	16/03 [710/38 47424 67562 04475 80556 32217 54963 82890 84739.....47701 68269] Fair	RNGB, Brian	MON
	0845z	23/03 [718/00] Very weak	Brian	MON
	0845z	30/03 [713/00] Very weak	Brian	MON
	0845z	01/04 [718/00] Fair	Brian	WED
	0845z	06/04 [716/34 60611 00407 99777 65474 63569 34270 68281 08541.....59144 98660] Fair	Brian	MON
	0845z	13/04 [716/00] Very weak	Brian	MON
	0845z	15/04 [718/00] Weak	Brian	WED
	0845z	20/04 [716/00] Fair	Brian	MON
	0845z	22/04 [711/00] Good	RNGB, Brian	WED
	0845z	27/04 [713/00] Fair	Brian	MON
	0845z	29/04 [719/00] Fair	Brian	WED
12385kHz	1045z	02/03 [694/00] Good	RNGB, Brian, PLdn	MON
	1045z	04/03 [691/00] Good	Brixmis, Brian, Pldn	WED
	1045z	09/03 [697/00] Strong	Brian, Pldn	MON
	1045z	16/03 [693/00] Weak	Brian, Pldn	MON
	1045z	18/03 [691/00] Good	Brixmis, Pldn, Brian	WED
	1045z	25/03 [691/36 51134 31746 48346 98824 71203 51541 99385 64275.....22744 10646] Good	Brixmis, PLdn	WED
	1045z	01/04 [690/00] Out 1048z Weak	PLdn	WED
	1045z	06/04 [690/21 32177.....14403] Out 1053z Fair	PLdn	MON
	1045z	13/04 [692/00] Out 1048z Strong	PLdn	MON
	1045z	15/04 [690/00] Fair	Brian	WED
	1045z	20/04 [698/00] Fair	Brian, PLdn	MON
	1045z	22/04 [690/00] Out 1048z Weak	PLdn	WED
	1045z	27/04 [693/00] Out 1048z Weak	PLdn	MON
	1045z	29/04 [690/00]	Brixmis, PLdn	WED
12530kHz	1230z	05/03 [336/00] Weak	Brian	THU
	1230z	19/03 [333/00] Fair	Brian	THU
	1230z	24/03 [333/39 74763 09889 00717.....etc] Weak	Brian	TUE
13117kHz	0900z	02/03 [534/00] Good	RNGB, Brian, PLdn	MON
	0900z	04/03 [533/00] Weak	Brian, Pldn	WED
	0900z	09/03 [532/00] Strong	RNGB, Brian, Hiram	MON
	0900z	11/03 [532/00] Fair	RNGB, Brian, PLdn	WED
	0900z	18/03 [536/33 59854 83368 79338 53316 55496 84860 70406 02877.....31512 26365] Strong	RNGB, Pldn, Brian	WED
	0900z	23/03 [532/00] Weak	RNGB	MON
	0900z	30/03 [530/00] Weak	Brian	MON
	0900z	01/04 [537/00] Fair	Brian, PLdn	WED
	0900z	06/04 [532/37 76222 15555 88501 45981 54026 70365 85858 79863.....11466] Out 0911z Strong	Brian, PLdn	MON
	0900z	13/04 [537/00] Weak	Brian, PLdn	MON
	0900z	15/04 [535/00] Out 0903z Strong	PLdn, Brian	WED

	0900z	20/04 [533/00]		Gary H, Brian	MON
	0900z	22/04 [537/00] Weak		PLdn, Brian	TUE
	0900z	27/04 [538/00] Weak		Brian, PLdn	MON
	0900z	29/04 [537/00] Good		Brian, PLdn	WED
13470kHz	1745z	02/03 [248/00] Out 1748z Fair		PLdn	MON
	0645z	03/03 [519/33 02720.....71010] Out 0655z Strong		PLdn	TUE
	1745z	08/03 [244/00] Out 1748z Strong		PLdn	SUN
	1745z	09/03 [240/00] Out 1748z Fair		PLdn	MON
	0645z	10/03 [511/00] Out 0648z Strong		PLdn	TUE
	0645z	12/03 [515/00] Fair		RNGB	THU
	0645z	19/03 [518/00] Out 0648z Strong		PLdn	THU
	0645z	26/03 [518/00] Out 0648z Strong		PLdn	THU
	0645z	31/03 [514/00] Fair		RNGB, PLdn	TUE
	0645z	02/04 [514/00] Good		RNGB	THU
	1745z	05/04 [242/00] Out 1748z Fair		PLdn	SUN
	1745z	06/04 [240/35 48926.....40713] Out 1755z Fair		PLdn	MON
	0645z	09/04 [515/00] Fair		RNGB, PLdn	THU
	0645z	14/04 [510/32 07255 82048 58295 49700 36921 59555 88352 46360.....18639 85572] Fair		RNGB	TUE
	1745z	26/04 [242/00] Out 1748z Fair		PLdn	SUN
	1745z	27/04 [249/00] Out 1748z Strong		PLdn	MON
	0645z	28/04 [511/00] Fair		RNGB, PLdn	TUE
14666kHz	0715z	03/03 [636/00] Good		RNGB, Ary	TUE
	0715z	10/03 [633/00] Fair		RNGB	TUE
	0715z	13/03 [639/00] Good		RNGB	FRI
	0715z	20/03 [637/00] Good		RNGB	FRI
	0715z	24/03 [636/37 11060 30047 99766 59184 65756 52590 93273 61395.....70486 72992] Fair		RNGB	TUE
	0715z	31/03 [636/00] Fair		RNGB, Brian	TUE
	0715z	03/04 [635/00] Fair		RNGB, Brian	FRI
	0715z	07/04 [636/00] Weak		Brian	TUE
	0715z	14/04 [634/36 44953 67788 03536 98420 39807 12672 12458 87452.....85674 71215] Good		RNGB	TUE
	0715z	21/04 [630/00] Weak		RNGB	TUE
	0715z	24/04 [631/00] Fair		RNGB	FRI
	0715z	28/04 [631/00] Weak		Brian	TUE
14972kHz	1430z	03/03 [918/00] Out 1433z Weak		PLdn	TUE
	1430z	07/03 [919/00] Out 1433z Fair		PLdn, Gary H	SAT
	1430z	10/03 [914/00] Out 1433z Fair		PLdn, E	TUE
	1430z	21/03 [918/35 72482.....90623] Out 1440z Weak		PLdn	SAT
	1430z	28/03 [917/00]		Gary H	SAT
	1430z	31/03 [914/00] Out 0718z Fair		PLdn	TUE
	1430z	11/04 [918/00]		Gary H	SAT
	1430z	28/04 [910/33 01465 02465 75267 47885 21572 06942 85607 73497....etc] Faded out		Gary H	TUE
17410kHz	1020z	06/03 [340/35 00007 23571 36805 69565 53812 29729 30154 81049.....53418 71553] Weak		Brian	FRI
	0745z	11/03 [349/00] Weak		RNGB	WED
	1020z	13/03 [349/00] Very weak		Brian	FRI
	1020z	20/03 [344/00] Weak		RNGB	FRI
	1020z	27/03 [349/00] Very weak		Brian	FRI
	0745z	01/04 [347/00] Very weak		Brian	WED
	0745z	08/04 [348/35 65135 67674 34651.... ] Ex.Weak (Polish SDR)		Brian	WED
	0745z	15/04 [346/00] Weak		RNGB, Brian	WED
	0745z	22/04 [349/00] Weak		RNGB	WED
	0745z	29/04 [349/00] Very weak		Brian	WED
18168khz	0845z	03/03 [150/00] Good		RNGB, Brian, PLdn	TUE
	0845z	05/03 [155/00] Weak		Brian, PLdn	THU
	0845z	10/03 [150/00] Fair		Brian	TUE
	0845z	12/03 [150/00] Weak		Brian	THU
	0845z	17/03 [152/00] Weak		RNGB, Brian	TUE
	0845z	19/03 [159/00] Weak		RNGB, Brian	THU
	0845z	24/03 [154/36 67106 13501 10811 24847 14196 09017 87942 11756.....34334 44251]		RNGB, Brian	TUE
	0845z	31/03 [157/00] Very weak		Brian	TUE
	0845z	02/04 [159/00] Weak		Brian	THU
	0845z	07/04 [154/21 92215 70688 12561 98927 36697 77702 12992 11344.....31824 79525] Weak		Brian	TUE
	0845z	09/04 [150/21 29838 32247 60019 13575 34145 88904 88140 42118.....75999 06294] Weak		Brian	THU
	0845z	14/04 [155/00] Weak		Brian	TUE
	0845z	16/04 [150/00] Weak		Brian	THU
	0845z	21/04 [150/00] Weak		Brian	TUE
	0845z	28/04 [151/00] Weak		Brian	TUE
	0845z	30/04 [151/00] Weak		Brian	THU
19184kHz	0930z	03/03 [136/00] Fair		RNGB, Brian	TUE
	0820z	04/03 [133/00] Very weak		Brian	WED
	0930z	10/03 [136/35 26998 32510 39669 99918 58367 31843 07716 18085.....26883 89504] Fair		RNGB	TUE
	0930z	17/03 [132/00] Fair		Brian	TUE
	0820z	18/03 [134/00] Weak		RNGB, Brian	WED
	0930z	24/03 [133/00] Good (Polish SDR)		RNGB, Brian	TUE
	0820z	25/03 [130/00] Good (Polish SDR)		RNGB, Brian	WED
	0820z	31/03 [131/00] Very weak		Brian	TUE
	0820z	01/04 [132/00] Very weak		Brian	WED
	0820z	07/04 [130/00] Very weak		Brian	TUE

0820z	08/04 [134/00]	extremely weak	(Polish SDR)	Brian	WED
0820z	14/04 [131/39 31784 57480 55840 37151 92590...etc].	V.Weak		Brian	TUE
0820z	21/04 [138/00]	Extremely weak	(Polish SDR)	Brian	TUE
0820z	22/04 [136/00]	Fair	(Polish SDR)	RNGB, Brian	WED
0820z	29/04 [134/00]	Extremely weak		Brian	WED
19515kHz	0715z	02/03 [759/00]	Out 0718z Fair	PLdn	MON
	0715z	11/03 [755/32 56273 66551 20283 59667 53666 89623 96715 87816.....29716 17024]	Good	RNGB	WED
	0715z	25/03 [754/00]	Good (Polish SDR)	RNGB	WED
	0715z	30/03 [755/00]	Weak	Brian	MON
	0715z	01/04 [754/00]	Very weak	Brian	WED
	0715z	06/04 [750/00]	Good (Polish SDR)	RNGB	MON
	0715z	08/04 [757/00]	(Polish SDR)	Brian	WED
	0715z	13/04 [751/00]	Good (Polish SDR)	RNGB	MON
	0715z	15/04 [752/00]	Good (Polish SDR)	RNGB	WED
	0715z	20/04 [751/39 94431 88914 37060 59052 43952 40150 56415 51791.....16697 54048]	Good	RNGB	MON
	0715z	27/04 [753/00]	Good (Polish SDR)	RNGB, Brian	MON
	0715z	29/04 [755/00]	Very weak	RNGB, Brian	WED
20170kHz	0830z	02/03 [185/00]	Fair	RNGB, Brian	MON
	0830z	06/03 [180/00]	Weak	Brian	FRI
	0830z	09/03 [189/00]	Weak	RNGB, Brian, Hiram	MON
	0830z	13/03 [185/00]	Weak	RNGB, Brian	FRI
	0830z	16/03 [185/00]	Weak	RNGB, Brian	MON
	0830z	27/03 [185/36 99622 62797 96570 72367 94826 70042 43384 38578.....45419 74816]	Fair	RNGB, Brian	FRI
	0830z	30/03 [183/00]	Very weak	RNGB, Brian	MON
	0830z	03/04 [184/00]	(NRH UK) (Polish SDR)	Brian	FRI
	0830z	06/04 [184/21 93852 94214 57110 05877 22056 24125 45478 07971.....78709 06796]	Fair	Brian	MON
	0830z	10/04 [183/21 74031 22792 16223 76785 17628 58799 75197 94837.....25983 39563]	Very weak	Brian	FRI
	0830z	13/04 [180/00]	Weak (Polish SDR)	Brian	MON
	0830z	17/04 [189/00]	(Polish SDR)	RNGB	FRI
	0830z	20/04 [180/00]	Very weak	Brian	MON
	0830z	27/04 [183/00]	Fair (Polish SDR)	RNGB, Brian	MON
22995kHz	0745z	03/03 [221/37 81890 47261 15128 52196 48945 73910 48504.....56756 47876]	Fair	RNGB, PLdn	TUE
	0745z	10/03 [224/00]	Weak	RNGB	TUE
	0745z	12/03 [228/00]	Good (Polish SDR)	RNGB	THU
23353kHz	0600z	01/04 [948/00]	Good (Polish SDR)	RNGB	WED
	0600z	06/04 [940/21 50417 73931 84808 15599 77892 03743 80379.....28500 57568]		RNGB	MON
	0600z	15/04 [949/--]	Good (Polish SDR)	RNGB	WED
26756kHz	0745z	26/03 [225/00]	Good (Polish SDR)	RNGB, Brian	THU
	0745z	31/03 [229/00]	Good (Polish SDR)	RNGB, Brian	TUE
	0745z	02/04 [220/00]	Fair (Polish SDR)	RNGB	THU
	0745z	07/04 [227/35 17159 12660 70492 88074 65808.....]	Very weak	Brian	TUE
	0745z	09/04 [227/35 17159 12660 70492 88074 65808 39505.....50910 67562]	Repeat of Tuesday	RNGB, Brian	THU
	0755z	16/04 [224/00]	(Polish SDR)	Brian	THU
	0745z	21/04 [220/00]	Fair (Polish SDR)	RNGB, Brian	TUE
	0745z	28/04 [227/00]	Very weak	Brian	TUE
	0745z	30/04 [228/00]	(Polish SDR)	Brian	THU

Peter's Family I logs; followed by Manolis' logs which arrived too late to be included with those in RNGB's listings:

As always, the vast majority of transmissions are of the "oblique zero zero" - no message format.

#### 5176 kHz, 1605 UTC

3-Mar-26, Tue:- "236/00"  
8-Mar-26, Sun:- "236/00"  
10-Mar-26, Tue:- "235/00"  
15-Mar-26, Sun:- "231/00"  
17-Mar-26, Tue:- "237/00"  
31-Mar-26, Tue:- "237/00"  
7-Apr-26, Tue:- "238/00"  
12-Apr-26, Sun:- "233/00"

#### 5737 kHz, 2000 UTC

8-Mar-26, Sun:- "524/00"  
12-Mar-26, Thu:- "525/00"  
15-Mar-26, Sun:- "524/00"  
29-Mar-26, Sun:- "520/00"  
5-Apr-26, Sun:- "521/00"  
9-Apr-26, Thu:- "528/00"  
12-Apr-26, Sun:- "521/00"  
19-Apr-26, Sun:- "525/00"  
23-Apr-26, Thu:- "525/31", message, "Out" at 2009:31s UTC.  
26-Apr-26, Sun:- "525/31" again.

#### 6923 kHz, 1715 UTC

6-Mar-26, Fri:- "974/31", message, "Out" at 1724:33s UTC.  
13-Mar-26, Fri:- "975/00"  
18-Mar-26, Wed:- "970/00"

20-Mar-26, Fri:- "977/00"  
25-Mar-26, Wed:- "970/00"  
1-Apr-26, Wed:- "974/36", message, "Out" at 1725:24s UTC.  
3-Apr-26, Fri:- "974/36" again.  
8-Apr-26, Wed:- "975.00"  
10-Apr-26, Fri:- "974/00"  
15-Apr-26, Wed:- "977/00"  
17-Apr-26, Fri:- "977/00"  
22-Apr-26, Wed:- "978/00"  
24-Apr-26, Fri:- "977/00"

#### 7317 kHz, 1900 UTC

2-Mar-26, Mon:- "649/00"  
9-Mar-26, Mon:- "640/00"  
12-Mar-26, Thu:- "646/00"  
23-Mar-26, Mon:- "648/00"  
6-Apr-26, Mon:- "648/32", message, "Out" at 1909:39s UTC.  
9-Apr-26, Thu:- "648/32" again.  
13-Apr-26, Mon:- "643/00"  
16-Apr-26, Thu:- "647/00"  
20-Apr-26, Mon:- "641/00"  
23-Apr-26, Thu:- "649/00"  
27-Apr-26, Mon:- "646/002"

#### 8180 kHz, 0700 UTC

3-Mar-26, Tue:- "570/00"  
6-Mar-26, Fri:- "571/00"  
10-Mar-26, Tue:- "571/40", message, "Out" at 0711:24s UTC  
13-Mar-26, Fri:- "571/40" again.  
20-Mar-26, Fri:- "576/00"  
24-Mar-26, Tue:- "574/00"  
31-Mar-26, Tue:- "574/00"  
3-Apr-26, Fri:- "575/00"  
7-Apr-26, Tue:- "571/00"  
10-Apr-26, Fri:- "577/00"  
14-Apr-26, Tue:- "579/00"  
17-Apr-26, Fri:- "579/00"  
21-Apr-26, Tue:- "577/00"  
24-Apr-26, Fri:- "571/00"

#### 8530 kHz, 1910 UTC

15-Mar-26, Sun:- "618/32", message, "Out" at 1919:36s. Interference from a strong pulse/buzz signal extending from approx 8512 to 8534 kHz.  
27-Mar-26, Fri:- "617/00"  
29-Mar-26, Sun:- "611/00"  
3-Apr-26, Fri:- "610/00"  
10-Apr-26, Fri:- "617/30", message, "Out" at 1919:9s UTC.  
17-Apr-26, Fri:- "617/00"  
19-Apr-26, Sun:- "618/00"  
24-Apr-26, Fri:- "613/00"  
26-Apr-26, Sun:- "618/00"

#### 12202 kHz, 0845 UTC

9-Mar-26, Mon:- "718/00"  
11-Mar-26, Wed:- "714/00"  
16-Mar-26, Mon:- "710/38", message, "Out" at 0855:50s UTC.  
18-Mar-26, Wed:- "710/38" again.  
23-Mar-26, Mon:- "718/00"  
1-Apr-26, Wed:- "718/00"  
6-Apr-26, Mon:- "716/34", message, "Out" at 0855:16s UTC.  
8-Apr-26, Wed:- "716/34" again.  
13-Apr-26, Mon:- "716/00"  
15-Apr-26, Wed:- "718/00"  
29-Apr-26, Wed:- "719/00"

#### 13117 kHz, 0900 UTC

9-Mar-26, Mon:- "532/00"  
11-Mar-26, Wed:- "532/00"  
16-Mar-26, Mon:- "536/33", message, "Out" at 0909:53s UTC.  
23-Mar-26, Mon:- "532/00"  
25-Mar-26, Wed:- "533/00"  
30-Mar-26, Mon:- "530/00"  
1-Apr-26, Wed:- "537/00"  
6-Apr-26, Mon:- "532/37", message, "Out" at 0910:40s UTC.  
8-Apr-26, Wed:- "532/37" again.  
13-Apr-26, Mon:- "537/00"  
15-Apr-26, Wed:- "535/00"  
29-Apr-26, Wed:- "537/00"

#### 13470 kHz, 1745 UTC

8-Mar-26, Sun:- "244/00", interference from a rapidly sweeping carrier which is a permanent resident here.  
29-Mar-26, Sun:- "247/31", message, "Out" at 1754:30s UTC.  
30-Mar-26, Mon:- "245/00"  
6-Apr-26, Mon:- "240/35", message, "Out" at 1755:15s UTC.

13-Apr-26, Mon:- 248/00”  
26-Apr-26, Sun:- “242/00”

14972 kHz, 1430 UTC

3-Mar-26, Tue:- “918/00”  
7-Mar-26, Sat:- “919/00”  
10-Mar-26, Tue:- “914/00”  
17-Mar-26, Tue:- “918/35”, message, “Out” at 1440:17s UTC.  
21-Mar-26, Sat:- “918/35” again.  
28-Mar-26, Sat:- “917/00”  
31-Mar-26, Tue:- “914/00”  
4-Apr-26, Sat:- Nothing readable.  
7-Apr-26, Tue:- “912/00”, strong enough this afternoon.  
18-Apr-26, Sat:- Again, nothing readable due in part to a very strong pulse/buzz signal extending from approx 14960 to 14980 kHz - which had gone when the frequency was checked again just after 1435z.  
21-Apr-26, Tue:- Nothing readable.  
25-Apr-26, Sat:- “917/00”, back to being a reasonable signal.

And Manolis’ logs:

E11 10330 kHz 1530z 02/04 [262/00] 15330 Out! Fair	MG	THU
E11 19515 kHz 0715z 06/04 [750/00] 0718z Out! Strong	MG	MON
E11a 20170 kHz 0830z 06/04 [184/21] 0837z Out! Strong	MG	MON
Message: 93852 94214 57110 05877 22056 24125 45478 07971 70695 90702 54929 64865 29226 67939 58221 96178 52579 94377 67314 78709 06796		
E11a 12202 kHz 0845z 06/04 [716/34]	MG	MON
E11 8180 kHz 0700z 07/04 [571/00] 0703z Out! Fair	MG	TUE
E11 8423 kHz 0720z 10/04 [436/00] 0723z Out! Good Twente SDR	MG	FRI
E11 9079 kHz 0700z 11/04 [495/00] 0703z Out! Good, QRM, Twente SDR	MG	SAT
E11 8680 kHz 0600z 12/04 [354/00] 0603z Out! Fair QRM	MG	SUN
E11 9079 kHz 0700z 12/04 [497/00] 0703z Out! Twente SDR Strong, QRM	MG	SUN
E11 14972 kHz 1430z 14/04 [917/00] 1433z Out! Strong	MG	TUE
E11 10330 kHz 1530z 16/04 [262/00] 1533z Out! Fair	MG	THU
E11 8680 kHz 0600z 26/04 [351/00] 0603z Out! Weak	MG	SUN
E11 9079 kHz 0700z 26/04 [496/00] 0703z Out! Twente SDR	MG	SUN
E11a 4181 kHz 1610z 29/04 [390/36] 1620z Out! Twente SDR	MG	WED
Message: 64288 78950 54037 63732 53540 17716 84477 82654 72490 38046 66834 63598 96386 33424 09337 86694 15072 16320 23055 15230 21308 96917 20150 52842 81508 46523 99563 31868 29361 25740 82883 83989 35279 11872 25636 65011		

# S06

## S06 Mar/April log

<b>1st &amp; 3rd Fridays</b>	<b>2000z</b>	<b>9925kHz</b>	<b>2100z</b>	<b>7509 / 7505kHz</b>
06/03 ‘842’ 00000				
20/03 ‘842’ 00000				
17/04 ‘842’ 00000	<b>1900z</b>	<b>9925kHz</b>	<b>2000z</b>	<b>7505kHz</b>

<b>Wednesday</b>	<b>1730z</b>	<b>9116kHz</b>	<b>1800z</b>	<b>7362khz</b>
15/04 ‘480’ 125 46 24052 64838 82549 20860 90614 02485 62802 45484 68946 56976 76751 35705 18705 10735 60353 02406 40493 85215 81054 50424 18284 38347 46023 63913 89423 14748 42783 65865 96513 67101 67935 53604 60659 23638 83682 75818 17275 20576 47146 61303 19571 78248 82847 59603 58352 90648 125 46 00000				

**S06c**  
15892kHz 24-03-2026 1435z ‘11042’ (R4m) Thanks Ary

**With analysis from Peter:**

### First + Third Fridays in the Month Schedule:-

6-Mar-26:- 2000 UTC, 9925 kHz, “842 842 842 00000”, strong enough to be heard above the local interference which at my QTH is intense between about 8600 to 11800 kHz.

Pre-transmission routine; carrier with tone, noted at 1945z, single spoken “842” about a minute and a half after.

Missed second sending.

20-Mar-26:- 2000 UTC, 9925 kHz, “842 842 842 00000”, good signal.

2100 UTC, 7505 kHz, second sending, strong signal.

Moved back by one hour in April – but in the UK appeared at the same local time due to the clocks moving forwards by one hour due to the start of British Summer Time:-

3-Apr-26:- 1900 UTC, 9925 kHz, “842 842 842 00000”, good signal.  
2000 UTC, 7505 kHz, also a good signal.

17-Apr-26:- 1900 UTC, 9925 kHz, “842 842 842 00000”  
2000 UTC, 7510 kHz, strong signal, single letter beacons “S” and “C” on close frequencies.

## S11a log March/April

### S11a log Mar/April

6433kHz	0830z	07/03 [378/37 05351 24690 56983 92438 35406 14659 32812.....64393 84505 22424]	Good	RNGB	SAT
	0830z	14/03 [370/00]	Strong	RNGB	SAT
	0830z	15/03 [376/00]	Konyets 0833z Strong	PLdn	SUN
	0830z	21/03 [378/00]	Good	RNGB	SAT
	0830z	29/03 [373/00]	Good	RNGB	SUN
	0830z	11/04 [373/00]	Good	RNGB	SAT
	0830z	25/04 [371/32 03760 10134 95444 69415 97846 90703 68501.....36805 94150]	Good	RNGB	SAT
6480kHz	0915z	02/03 [485/00]	Fair	RNGB	MON
	0915z	09/03 [483/00]	Good	RNGB	MON
	0915z	16/03 [487/36 49459 80137 05140 34684 00067 26046 26174.....79933 64914]	Good	RNGB	MON
	1040z	20/03 [487/36 49459.....etc]	repeat of Monday	RNGB	FRI
	0915z	23/03 [484/00]	Fair	RNGB	MON
	0915z	30/03 [484/00]	Fair	RNGB	MON
	0915z	13/04 [484/00]	Good	RNGB	MON
	0915z	27/04 [480/37 59102 10010 39136 32179 00669 76421 05332 67414.....64039 86950]	Very weak	RNGB	MON
8597kHz	0700z	12/03 [475/00]	Strong	RNGB	THU
	0700z	19/03 [471/32 40712 61158 10186 97178 86708 16720 70751 89446.....83329 83747]	Strong	RNGB	THU
	0700z	26/03 [472/00]	Good	RNGB, PLdn	THU
	0700z	02/04 [470/00]	Good	RNGB	THU
	0700z	06/04 [479/00]	Good	RNGB	MON
	0700z	09/04 [479/00]	Good	RNGB	THU
	0700z	13/04 [472/00]	Good	RNGB	MON
	0700z	16/04 [478/00]	Good	RNGB	THU
	0700z	27/04 [479/39 58739 03652 69695 96417 86073 37591 49433.....71048 66000]	Konyetz 0711z	RNGB	MON
	0700z	30/04 [475/00]	Strong	RNGB	THU
10213khz	1850z	07/03 [287/00]	Good	RNGB	SAT
	1850z	15/04 [284/00]	Konyets 1853z Strong	PLdn	WED
	1850z	18/04 [288/00]	Konyets 1853z Fair	PLdn	SAT
	1850z	22/04 [285/00]	Konyrts 1853z Weak	PLdn	WED
	1850z	29/04 [282/00]	Konyets 1853z Strong	PLdn	WED
11420kHz	1400z	17/03 [426/00]	Konyets 1403z Weak	PLdn	TUE
	1400z	31/03 [426/00]	Konyets 1403z Weak	PLdn	TUE
	1400z	10/04 [430/00]	Weak	PLdn	FRI
23353kHz	0725z	11/03 [384/00]	Weak (Polish SDR)	RNGB	WED
	0725z	13/03 [389/00]	Weak	RNGB	FRI
	0725z	20/03 [388/35 82951 40079 39823 86753 73016 09499 68342 53923.....20527 94947]	Weak	RNGB	FRI
From Manolis:					
S11a	6433 kHz	0830z	05/04 [379/00]	0833z Strong Twente SDR	MG SUN
S11a	8597 kHz	0700z	06/04 [479/00]	0703z Strong Twente SDR	MG MON

## V06

Not heard.

# V07

[Tnx DanAR]

Many thanks to Daniel, who wrote 'Conditions bad in April.'

## March 2026

### Sunday

0200z	19172kHz	0220z	17472kHz	0240z	kHz		
17472kHz 0220z	01/03	112 112 112 1	9633 121	92677 ... 67734 000 000	QSA2	DanAR	SUN

112 112 112 1  
9633 121  
92677 54077 74951 90196 36294  
36425 92292 32433 03652 10537  
18577 87062 64202 49254 59513  
92379 36129 27559 84721 28369  
84857 25955 91063 13290 92074  
25381 16748 92070 97333 30583  
96434 56317 18148 49071 22179  
89071 32654 42335 57402 17812  
28774 24047 34740 24776 75765  
29677 90345 11684 86700 93386  
63026 63359 44949 87399 86383  
35324 61703 26728 50073 58725  
51984 82218 25104 68630 04195  
50568 72103 53846 27286 20271  
09169 86697 00042 55662 14685  
83148 49643 09274 82984 56131  
01186 34137 95983 38171 99250  
64345 44199 95824 47265 58334  
02272 82218 30164 88591 32471  
53904 32607 75016 11272 74647  
53925 47379 66514 86576 57761  
26112 39832 43270 41348 70954  
92412 14792 90490 80322 14517  
93646 50312 79371 76346 55207  
67734  
000 000      *Courtesy DanAR*

17472kHz 0220z	08/03	112 112 112 1	9553 68	49283 ... 47929 000 00	QSA2	DanAR	SUN
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112 112 112 1  
9553 68  
49283 46908 70892 74489 15969  
48423 25987 38994 19844 97473  
82396 72847 58396 45004 25304  
54261 90045 79935 49012 35603  
12357 82494 56311 30489 22443  
75380 41530 65176 38687 08234  
32009 00673 62712 94834 88693  
34333 21231 02677 93459 81440  
49249 40037 64834 89846 43736  
25024 50197 67397 85104 51021  
81356 26956 85093 57390 89795  
78043 85257 27653 24209 96364  
71409 16941 68517 32579 14260  
13799 69373 47929  
000 000      *Courtesy DanAR*

1917kHz 02:00z	15/03	112 112 112 1	3734 119	42293 ... 05982 000 000		DanAR	SUN
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112 112 112 1  
3734 119  
42293 12132 34413 42582 95931  
54684 11836 72783 67904 47114  
88972 70125 66210 76763 75774  
55045 32713 51884 07761 80610  
96125 95199 14463 67334 52492  
51039 30931 26569 83364 70718  
75059 02597 51915 78587 24286  
17934 06383 92396 42623 43725  
46827 54270 60192 75673 43840  
01496 62461 81852 20848 39567  
65496 14324 54010 28920 85954  
70169 47489 52315 20813 64635  
01589 86340 13699 58974 06239  
79889 21592 03058 34762 55276  
05564 40042 91067 21903 52149  
12431 40306 55284 95248 32570

03457 41769 38062 52783 39779  
 12029 80487 39561 15884 99961  
 37421 05166 48577 09461 25345  
 35646 70971 55332 07107 87373  
 22427 76249 82977 19154 55532  
 04401 81820 94310 12103 35816  
 58950 02292 73925 10764 90401  
 36853 28850 43555 05982  
 000 000      *Courtesy DanAR*

16272kHz 0240z      22/03      112 112 112 1 5312 82 87135 ..... Weak signa      DanAR      SUN

17472kHz 0220z      29/03      12 112 112 1 4470 81 23674 ... 23173 000 000      DanAR      SUN  
 112 112 112 1  
 4470 81

23674 60988 65564 96952 56983  
 61926 37514 84828 49484 83429  
 48198 65822 19103 17797 59207  
 85917 31708 27119 99933 64128  
 23541 31180 62355 95430 48308  
 17388 61306 67831 80803 62347  
 73456 14776 51127 47977 49877  
 14309 24877 10405 89901 79688  
 72121 81771 63442 65929 93961  
 80675 30678 75963 60822 90282  
 92380 48735 93544 61665 67467  
 93255 70807 15577 22008 90781  
 59519 06325 30954 85416 82072  
 30271 33985 76211 92779 64752  
 78972 83417 81270 16297 05586  
 99891 56779 71747 85946 71005  
 000 000      *Courtesy DanAR*

**April 2026**

**0200z      17431kHz                      0220z      16131kHz                      0240z      14431kHz**

17431kHz 0200z      05/04 (414 414 414 1 8004 103 32685 43871 44932 08471 51405....) QSA 2      DanAR      SUN

14431kHz 0240z      12/04 (414 414 414 1 2282 125 48620 ... 83158 000 000) QSA2 QSB1 QRM      DanAR      SUN

414 414 414 1 2282 125  
 48620 03863 41338 48789 92366  
 29254 95289 77763 30176 65491  
 87713 05843 38711 96089 78995  
 19428 06838 78947 37991 85041  
 21414 28119 14713 17377 93519  
 57141 41156 66847 79801 07552  
 26433 96213 58036 88944 79716  
 72546 21940 90612 66484 10344  
 93296 23665 91053 07478 87002  
 91613 33411 96504 40582 90656  
 52949 99823 62699 56848 99663  
 94631 92094 17826 45860 71261  
 25766 73756 19383 14992 69840  
 51851 52439 41135 12040 78124  
 19521 57602 09289 81213 83976  
 84891 22593 08760 94420 85817  
 90970 95121 11843 27869 25077  
 17033 68576 56513 17177 19770  
 72380 75926 68153 12744 97593  
 81354 79140 72975 29079 00378  
 23236 21169 87165 42660 34516  
 22917 99777 85048 74665 76598  
 94369 44598 67789 37302 88192  
 77778 68416 45700 01896 68489  
 99702 07123 19952 72312 83158  
 000 000

14431kHz 0240z      19/04 (414 414 414 1 4817 60 67293 ... 04053 000 000) QSA2 QRM2      DanAR      SUN

414 414 414 1 4817 60  
 67293 99879 56470 39252 09176  
 22056 11858 09115 55557 11914  
 91267 36323 90095 87343 98291  
 42984 5166? 80887 07139 67722  
 61020 62416 82870 68911 34238  
 58988 02477 96610 92711 22808  
 41054 12440 49553 13887 89989  
 61174 49443 40858 26269 02491  
 95148 71983 41119 07950 82027

68151 20628 05820 70025 66734  
38655 87682 74824 93710 28842  
41536 2?17? 12527 79638 04053  
000 000

17431kHz 0200z 26/04 (414 414 414 1 2233 87 20262 14931 63684 09871 91736 ...) QSA 1

DanAR

SUN

## V13

18040kHz 0100z	06/03 figure groups mandarin female synth voice. Poor signal no useful copy	Ends 0114z	Daryl	FRI
18040kHz 0100z	10/03 standard mandarin 5 figure groups synth female voice. Very poor reception.	Ends 0114z	Daryl	TUE
18040kHz 0130z	10/03 standard mandarin 5 figure groups synth female voice. Very poor signal.	Ends 0144z	Daryl	TUE
18040kHz 0100z	06/03 figure groups mandarin female synth voice. Poor signal no useful copy	Ends 0114z		
8300kHz 1500z	18/03 female synth voice mandarin 5 figure groups very poor signal. N.B; despite current excellent conditions and more recently noticeable decrease in signal strength	Ends 1514z	Daryl	WED

Daryl writes, "Despite searching these past few weeks unable to find recently. Excellent conditions this a.m. Wednesday April 29th @ 13:00 - 13:14 UTC standard flute music intro female synth voice mandarin 5 figure groups on 11430kHz SAM. Poor signal. N.B: 1 kHz difference from previous frequently used 11431 kHz. In progress marginally better signal 13:30 UTC 11430 kHz SAM. 14:00 UTC 8300 kHz very likely...  
Lost again at 14:00 UTC

## V15 North Korean Intelligence via Radio Pyongyang

No Reports

## V24

No Reports

## V26

No Reports

## V32 Farsi language station

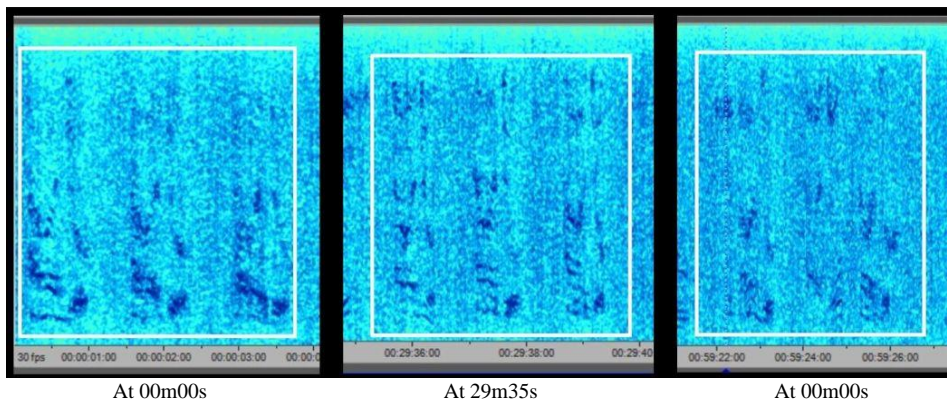
Originally suggested as a signal from the regime the fact the signal, starting on 28/02 with operations against Iran and that it is being jammed suggests aimed at a 'resistance' force. Our translators suggested the accent is real; one translator also added MOSSAD operatives in the region have like 'natural speaker' accents; adding Farsi is not an easy language to learn or understand.

On 09/03 I was unable to physically monitor the transmission due to a health scare within my family but I had set the recording facility on the SDR.

On my return I set about proving something I had heard on a previous sending.

I reasoned that a message string around 90m long, and once or twice transmissions actually longer at around 94/95m, was too long for a sensible message. I suspected two things, one unprovable being a short message contained within that lot [remember Lonsdale of Portland Spy Ring used his coded birthdate to indicate where the actual message started] or, more reasonably, the string contained multiple messages.

Using the recording of 09/03 [some fading but reasonably readable] and ending 89m I monitored the speech wave forms for the word 'Tajuweh' [Attn] with its repeats.



This is an account of my monitoring as written on my pad:

**V32 7842 1759 09/03 Fair to poor OSB with noise**

*Assume no grouping found or implied.*

00.00  
Attn Attn Attn

64696925216 [11characters]  
046755772216 [12characters]  
More numerals heard

Then:  
29m35s  
Attn Attn Attn  
116569682889 [12characters]  
846864268426 [12characters]  
More numerals heard

Then:  
59m25s  
Attn Attn Attn  
1656323 -6372 [12characters]  
896429239826 [12characters]  
More numerals heard

Ending 89m after start.  
Ending not defined and may have been a few seconds more.

**V32 7842 1800 10/03 Fair**

*Assume no grouping found or implied.*

00.00  
Attn Attn Attn

34393998213 [11 characters]  
More numerals heard

30m36s  
Attn Attn Attn  
112539612716 [12characters]  
More numerals heard

60m20s  
Attn Attn Attn  
110563201505 [12characters]  
More numerals heard

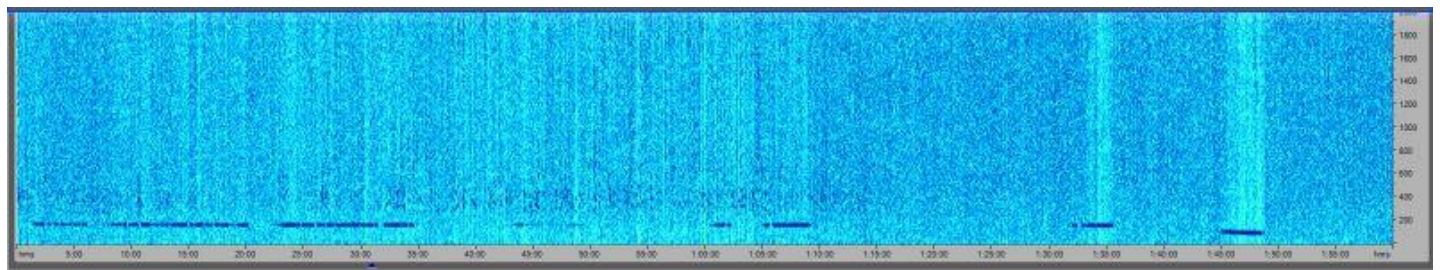
Ending at 91m [1931z] with ... 477889

This suggests my theory of multiple messages in one transmission correct.  
***Please do not count my numerals as correct; high poss of errors here!***

**Now onto logs:**

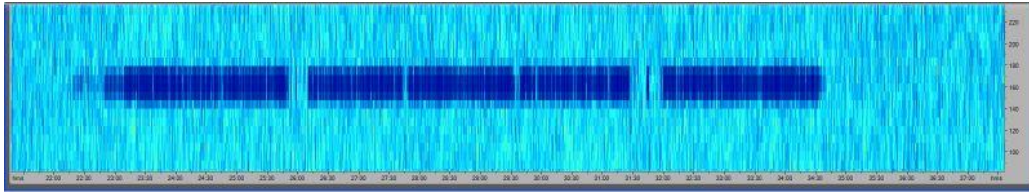
7910kHz 1800z 03/03 898989149632521 ... 255626 [O&OE] Fair 1h21m33s duration ends 1922z [Start 2130 ends 2252 Iran time]

7910kHz 0200z 04/03 Very weak audio, unworkable



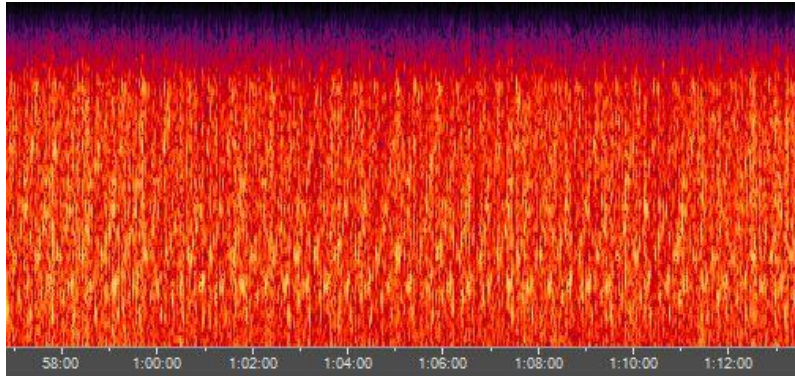
Lowest blue bars are ~160Hz tone audible in background

7910kHz 1800z 04/03 Attn Attn Attn: Number string Attn Attn Attn ending 1915.44z Weak with poor but copyable audio  
[Sub sound on audio 159 to 160Hz. Off/on throughout transmission. Not prior to start or after close. Seems to indicate Jammer appearing]



160Hz bars enlarged.

7910kHz 0200z 05/03 Jammer only [Believed Iran Naval Modem as signal source] see below Fair



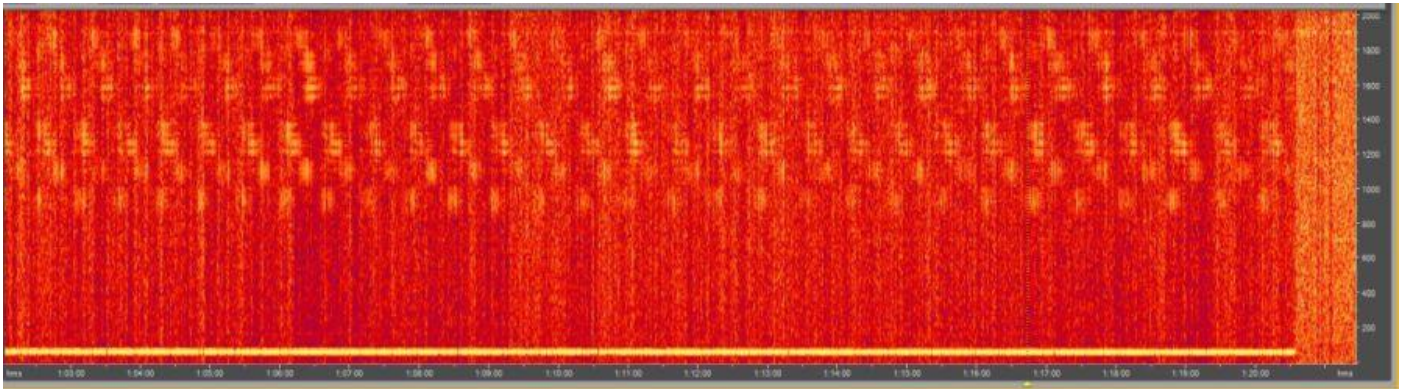
Sonogram of Jammer sig 0306z 05/03/2026

7910kHz 1800z 05/03 Jammer only Ended 1935z Fair [Representative sonogram above]

The 160Hz 'bars' were not present on the 1800z 05/03 transmission; perhaps suggesting V32 has abandoned this frequency?

7910kHz 0200z 06/03 Jammer, ending 0322.33s. Believed msg present Fair

7910kHz 1800z 06/03 Jammer, ending 1930z. Believed msg present Fair



7910kHz 1800z 06/03 Jammer, ending 1930z. Believed msg present Fair

7910kHz 0202z 07/03 Jammer, off 0330z Fair

7910kHz 1804z 07/03 Jammer, off 1934z Fair **Actual transmission moved to 7842kHz [Txn RNGB]**  
Lots of notification of new freq via social media; let's see how quick Iran take to shift Jammer Freq

7842kHz 1758z 08/03 Attention, Attention, Attention into number string. More than one msg as Attention, Attention, Attention heard  
Twice in message string Ends 1927z Fair

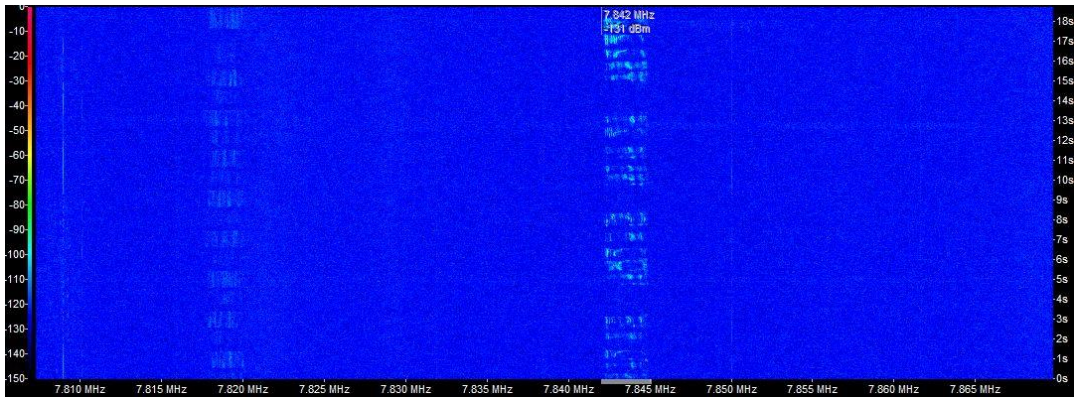
7910kHz 1755z 08/03 Jammer runs, vy strong

7842kHz 0200z 09/03 NRH [believed poor condx]

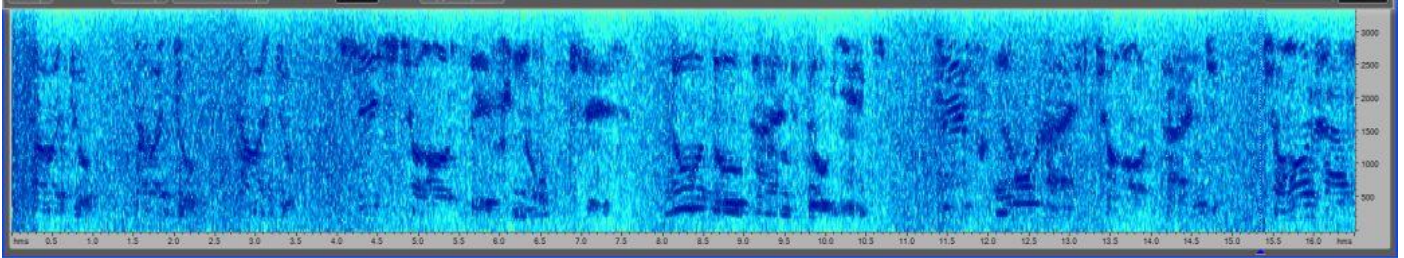
7842kHz 1800z 10/03 Attn Attn Attn 3 msgs 1821z 1900z ends 1931z 477886 Fair

7842kHz 1800z 11/03 Attn Attn Attn 3 msgs 30m07s, 59m43s ends 89m 1929z Fair, QSB2  
646962252111 16656961899 1167632556556 [E&OE]

7842kHz 1800z 12/03 Attn Attn Attn 3 msgs 29m57s, 59m57s ends 89m50s 1930z Fair  
636969252658-556769312789-667873253679 - 5259465 [E&OE]

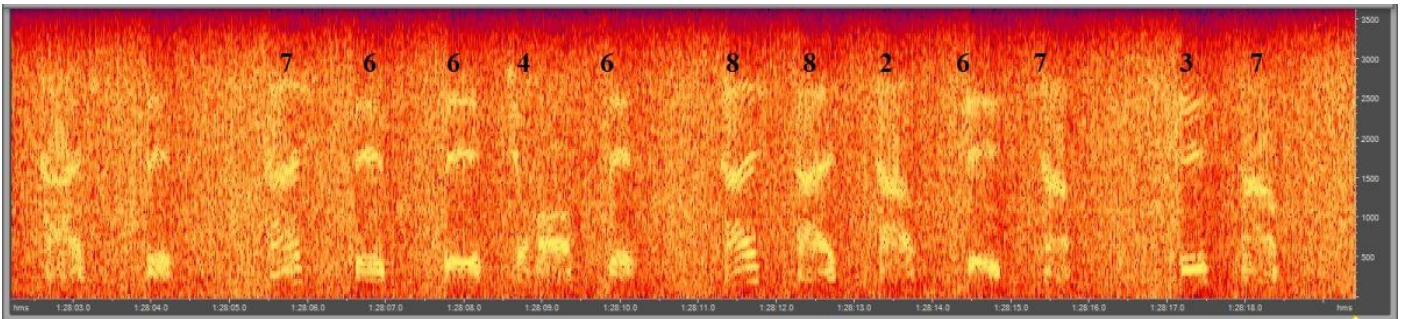


7842kHz 1800z 13/03 Five character groups as seen on waterfall.



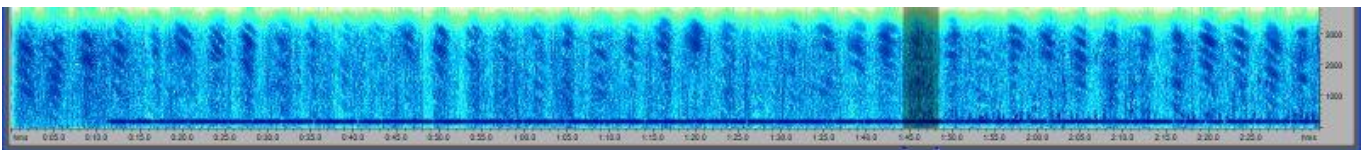
Sonogram opening Groups, Attn Attn Attn 64696 92521 ....

7842kHz 0200z 13/03 NRH  
 7842kHz 1800z 1300z Attn Attn Attn 27m38s, 57m12s Ends 82m26s Fair [Five Fig Grps] Abrupt end Fair [E&OE]  
 64696 ... -- 675, 11656 ... 63959, 16856 ... 67359



Last two 5f groups at end of 1800z 14/03 Msg. The two end figs also occurring on second message also

7842kHz 1800z 14/03 Attn Attn Attn, 00m00s, 29m40s, 59m06s Ends 88m19s Fair, QSB3 [E&OE]  
 64696 ... 54596, 1-156 ... 81213 57, 1-656 ... 88267 37  
 Note 2f group at end of 2<sup>nd</sup> and 3<sup>rd</sup> msgs [See Above]  
 7842kHz 0200z 15/03 NRH  
 7842kHz 1800z 15/03 Attn Attn Attn, 00m00s, 29m34s, 56m57s Ends 86m08s Fair, some QSB2 [E&OE]  
 64696 ... -- 856, 11653 ... 54933, 11356 ... 66558 [On 3<sup>rd</sup> msg 5f grouping not defined]  
 7842kHz 1800z 16/03 Attn Attn Attn 64696 Faded to nil circa 1812z  
 7842kHz 0200z 17/03 Jammed.....Ary



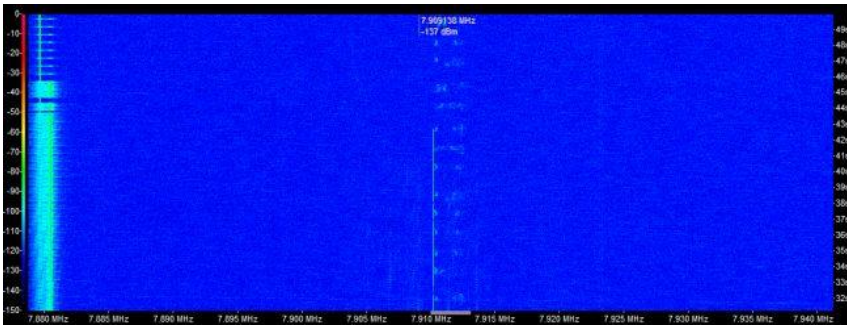
Jammer present, note 216Hz tone; starts before V32 and ends after closure. Believed to be component of jamming signal

7842kHz 1800z 17/03 Attn Attn Attn 00m00s, 29m52s 56m52s Ends 85m32s Fair, QSB2  
 64696 ... 54419 4774, 76 96125 ... 25362 74, 14457  
 Jamming signal present plus 216Hz tone that commenced before start and ended after close. Believed to be component of jamming signal

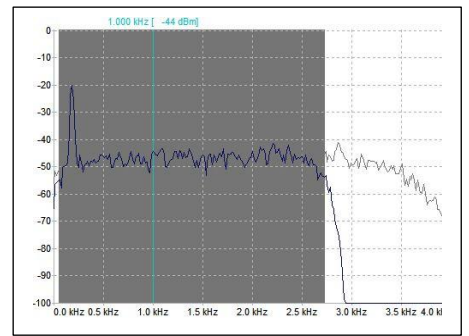
Freq change:

7910kHz 1800z 18/03 NRH Crystal Palace and Unworkable Sussex MNDBS WED

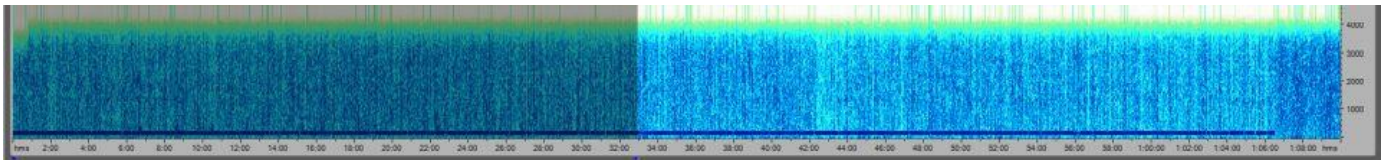
7910kHz 1800z 19/03 64696.Jammer up after few seconds, shown by line on spectral image, sonogram and spike on BW spectrum. See below:  
Speech ends 2027z, jammer until 2100z



Waterfall, bar to left of trace



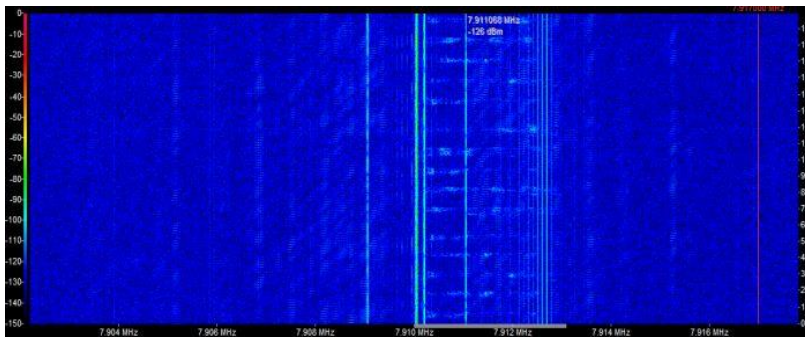
Spike on BW trace



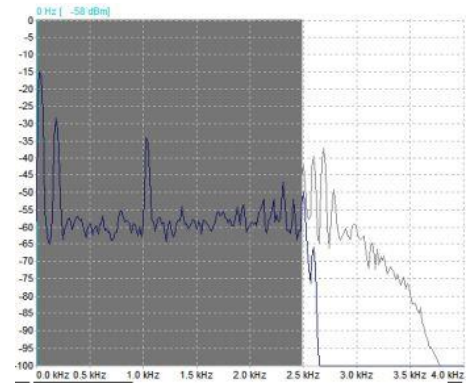
Shaded area depicts transmission of speech to end.

Light area, noting 170Hz bar shows Jammer to 2100z

7910kHz 1800z 20/03 Numerical string, at least four msg strings exceeding usual end. Jammer Strong  
Not only 165Hz freq bar [jammer] but also het at 791 kHz producing ~1kHz tone of numbers.

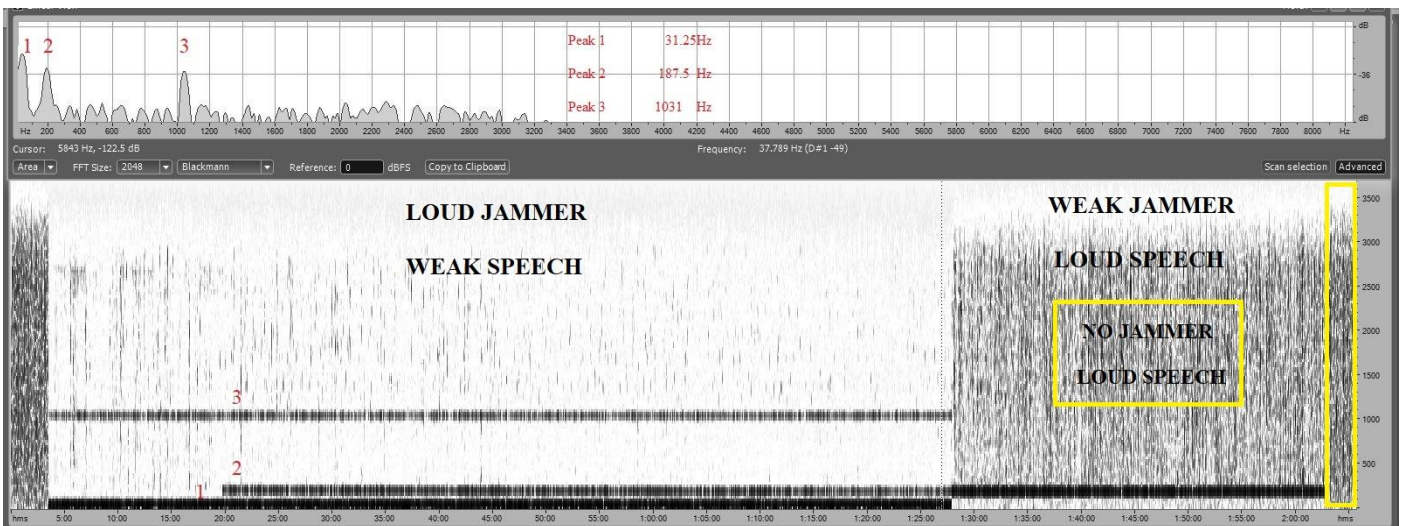


Interference on signal



165 and 1000Hz peaks in BW

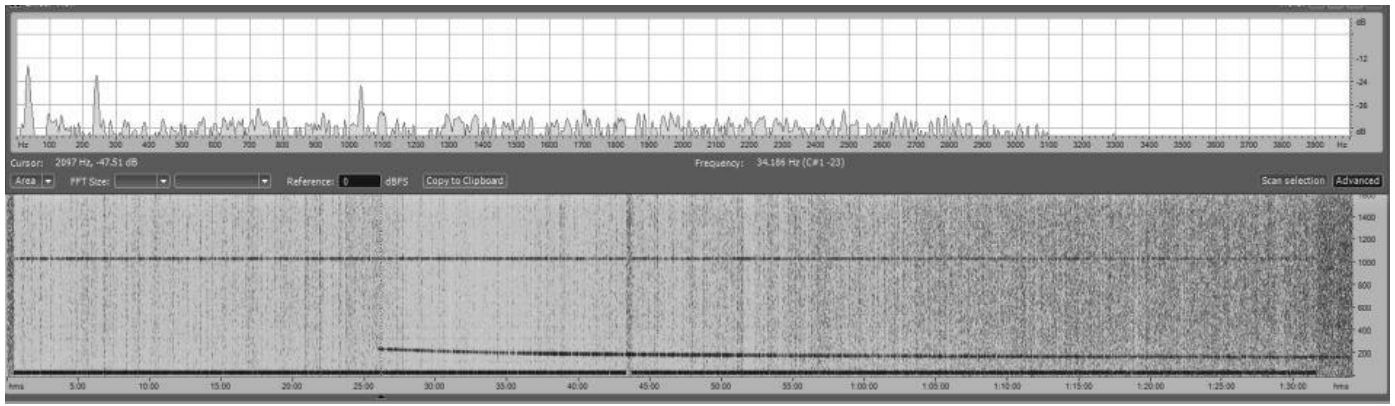
7910kHz 0200z 21/03 weak at 0200, jammer on at 0233z Ary SAT



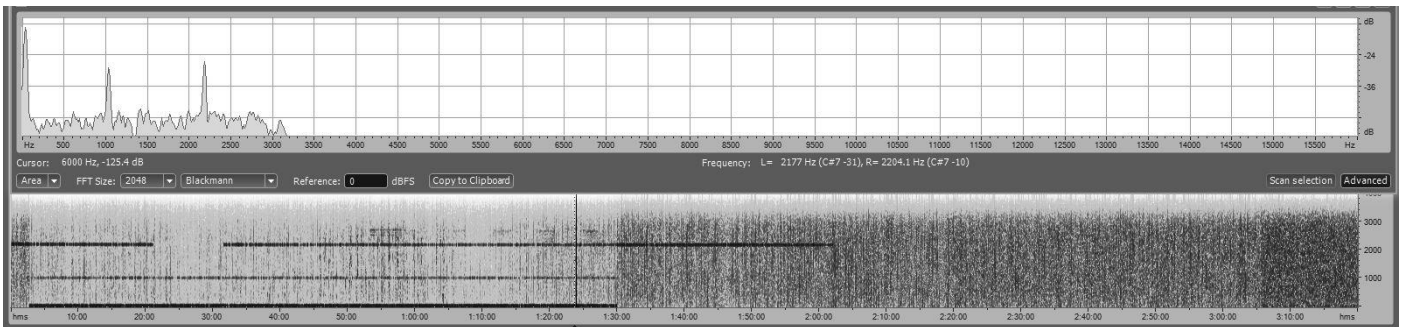
7910kHz 1800z 21/03 Fair audio., ran for 122.6 mins. Note tone bars, 31.25Hz, 187.5Hz and 1031Hz. All present with Jammer,  
Last 3 mins no jammer at end; no bars and Loud Speech  
Note; 187.5Hz signal starts 16 m after commencement of transmission

[See above, entire sending]

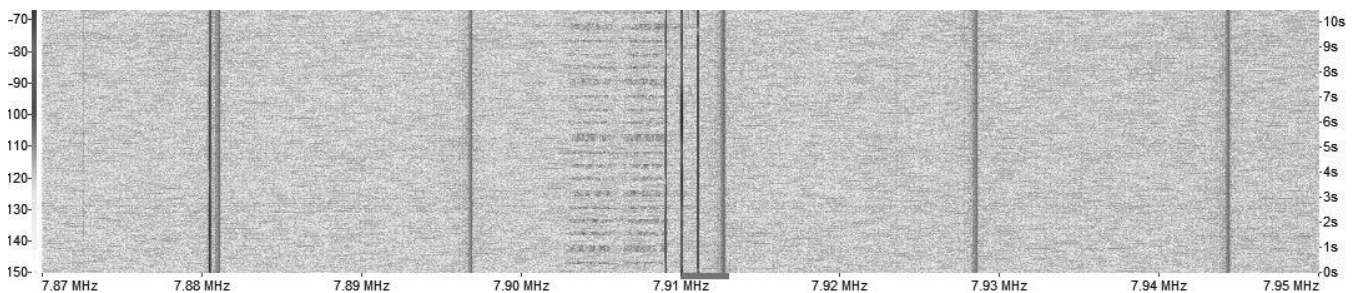
©Paul Beaumont 2026



7910kHz	0200z	22/03	Weak, unworkable. 31.25, 1031Hz bars start to finish. 210Hz after 30m after start. [242Hz at start, see above]
7910kHz	1800z	22/03	Fair at start ending 1925z 31.25, 1031Hz bars start to finish. Jammer remains up to 2017z
7910kHz	0200z	23/03	31.25, 1031Hz heard, no msg audio, Jammer? 187Hz tone 0254z, End 0342z
7910kHz	1800z	23/03	Attn Attn Attn 64696. Tones present; end 1930z 2187Hz bar to 2002z Abrupt end, poor delivery
7910kHz	0200z	24/03	31.25,1031 & 2203Hz present Ends 0340z 2203Hz started 27m into sending. No msg audio.
7910kHz	1800z	24/03	Attn Attn Attn 64696 9959-; Fair, QSB to nil at end 1935z.31.25, 1031, 2171Hz, SEE BELOW

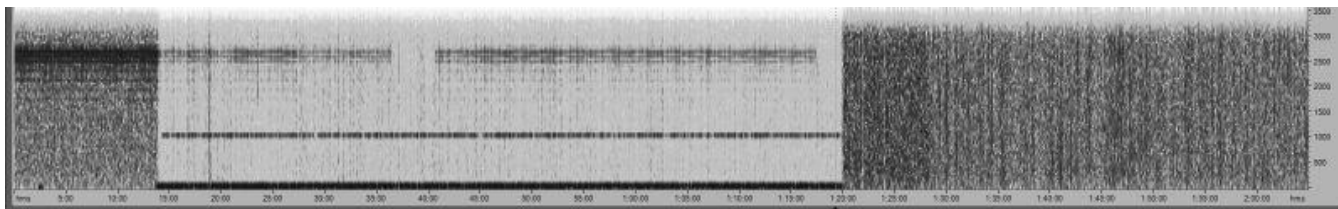


7910kHz	0200z	25/03	Carriers up; no msg audio heard
7910kHz	1800z	25/03	Carriers up; no msg audio heard, Ends 1935
7910kHz	0200z	26/03	Carriers up, No msg audio, Ends 0357z
7910kHz	1800z	26/03	Carriers up, No msg audio, Ends 1935z
7910kHz	0200z	27/03	Carriers up, no msg audio. Ends 0357z
7910kHz	1800z	27/03	NRH

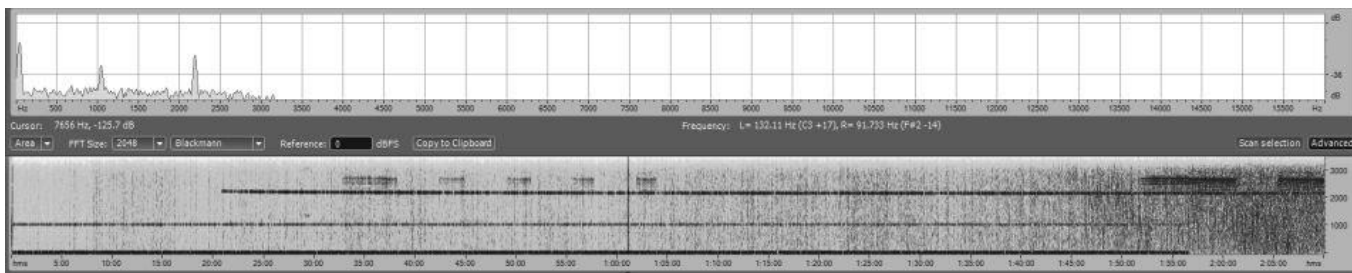


Note nearby sigs

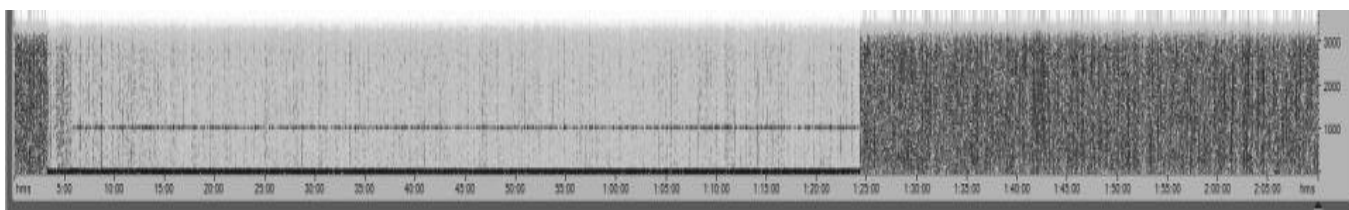
7910kHz	0200z	28/03	46., 1046Hz. starts 0152z No msg audio heard Ends 0338z
7910kHz	1800z	28/03	46., 1046Hz. 2187Hz starts 0204z No msg audio heard; noted nearby sigs. End 1920z. Strong SEE Above and below:



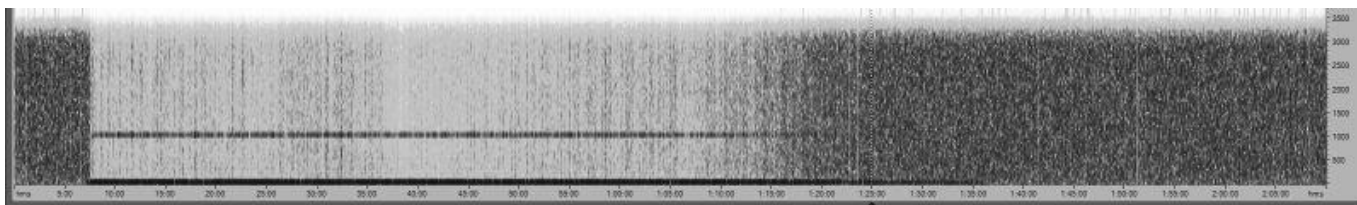
1800z 28/03/2026



7910kHz 0200z 29/03 Three carriers up;31.25, 1046, and 2187Hz. No audio heard. Jammer strong. See above:



7910kHz 1800z 29/03 2 carriers: 31.25, 1031Hz. No msg audio heard. End 1921z Strong; see above.



7910kHz 0200z 30/03 Two carriers up;31.25, 1031Hz. No msg audio heard. Fading out 0309z. Fair. See Above.

7910kHz 1800z 30/03 NRH [Also Hiram, and 7842kHz too]

7910kHz 0200z 31/03 NRH [Also Hiram]

7910kHz 1800z 31/03 Odd character only, Weak and poor copy. [Also Ary]

Thanks to Ary and Hiram for their help. It's more than feasible that coverage by this exciting Farsi 'new boy on the block' has better coverage than the originators intended. As a result the power has been reduced with little reduction in strength for the intended recipients [if they actually exist]. It's a well known fact that during WW2 resistance radio ops used low power ~4 to 17W from France to UK and with good effect. Pattle ground units used just a few hundred milliwatts, so why not this?

**April 2026**

7910kHz 0200z 01/04 NRH Too weak for reception UK

7910kHz 1800z 01/04 NRH Too weak for reception UK

01/04 [Hiram]  
1800z 7842kHz NO SIGNAL NO JAMMER  
1800z 7910kHz NO SIGNAL NO JAMMER

02/04 [Hiram and AB]  
0200z 7842kHz NO SIGNAL NO JAMMER  
0200z 7910kHz NO SIGNAL NO JAMMER

7910kHz 08.04.2026 1800z NO SIGNAL [Hiram]  
7910kHz 09.04.2026 0200z NO SIGNAL

7842kHz 08.04.2026 1800z NO SIGNAL  
7842kHz 09.04.2026 0200z NO SIGNAL

14/04			Ary writes, "I heard V32 today, April 14, between approximately 0303 and 0316 UTC. The signal was very weak and often disappeared in the noise. So, it's apparently still alive."		<i>Tnx Ary</i>
7910kHz	0255z	17/04	Messages in Farsi (weak and QRM)	Ary	Fri
7910kHz	0202z	19/04	V32 USB Messages in Farsi (very weak)	Ary	SUN

For even more \*sensible\* reading on this new Numbers Station I suggest 'V32: The Whole Story of the Iran War 'Numbers' Station by Hugh Stegman; available P42 The Spectrum Magazine, Mat 2026.

# Polytones

## XPA1 Wed/Fri

Wednesday/Friday

March 2026

1310z	14451kHz	1330z	13451kHz	1350z	12151kHz
04/03	441 1 07196 00445 73400 ... 22335				Strong; 1310z OTHRQRM2
06/03	441 1 07196 00445 73400 ... 22335				Strong
11/03	441 1 07464 00386 22506 ... 54525				310z Weak, under OTHRQRM, rest Strong

441 441 441 1 441 441 441 1 441 441 441 1

07464 00386 22506 07089 14376 95846 95006 06831 30857 81561  
48764 75161 75597 13627 02086 50669 64036 70075 40721 31242  
00339 09008 87683 64932 06790 88226 55987 86493 18424 39926  
80121 27150 11300 49759 54359 56323 90672 21138 15392 39524  
58293 36726 70667 17229 10106 73796 47397 28905 54839 77561  
12868 49397 64359 83478 40813 33813 09892 89255 95174 67806  
74806 98080 23882 14459

38105 26602 87876 18475 89426 17690 86523 76074 19897 69545  
18023 26957 27113 00144 35233 42866 66157 03004 50948 90000  
18286 83392 28479 38009 04185 65423 58273 34841 74526 27149  
63594 45418 52551 52509 26660 88807 79381 22404 22502 38037  
78601 64301 85238 81642 24747 35599 06882 78196 46881 81873  
69535 43318 05234 10498 58623 89809 15614 53600 95407 71365  
01835 11286 75107 07460

82973 64160 43343 31320 87893 23844 23541 62403 11435 23380  
20611 21184 95806 05780 84652 71941 73315 13725 55224 59927  
14350 02713 81925 99966 49600 97749 05515 30414 01153 76081  
79774 26128 86838 02078 21900 45013 93654 17827 19889 91658  
93821 41253 94126 15501 33140 19009 90978 09336 59219 95036  
51417 35005 08489 09354 41180 00639 91960 63078 49741 59128  
39123 40063 86917 35516

70104 89186 84829 39128 01458 03459 74532 73896 17379 91520  
07848 66133 15419 93779 41091 31478 50201 40351 07716 30527  
99569 53889 61765 79595 30754 57481 08575 68456 60048 26071  
07934 72653 34087 06621 50261 19254 32758 93151 73927 76451  
94203 25001 00464 76162 20693 21695 21824 43011 24229 52133  
53929 66397 33223 09610 86599 28296 13993 73039 57484 12080  
93875 11637 61322 96304

03052 77612 26549 50512 11784 71661 10324 05889 50292 95109  
90008 03507 98851 20426 78675 92770 05904 74327 67711 65620  
42144 24768 52081 42029 69750 38782 17570 16616 43602 10712  
98932 18427 59902 84031 00189 74632 60949 14123 53820 15447  
50613 10089 95722 92125 25513 38740 82848 27858 22979 01241  
34775 58741 08217 92408 86720 46844 55519 79842 84506 62579  
77569 06559 06199 50518

86688 49512 28435 44137 49283 88887 96120 89860 44589 73759  
81170 45118 99247 99473 65408 67101 64897 71667 84409 43810  
64730 99977 66429 86537 86316 77568 60034 69694 71537 67717  
18829 37616 43515 63802 17712 82716 64603 60846 46500 63494  
70651 15580 91041 35912 13440 71940 49439 28380 76514 90486  
80799 66715 27993 99788 54784 59293 05307 94916 06869 82615  
57131 89570 29951 42923

Four groups short 54525

*Courtesy PLdn*

13/03	441 1 07464 00386 22506 ... 54525	Strong, 1310z QRM
18/03	441 1 07464 00386 22506 ... 54525	1310z Strong, rest Fair
20/03	441 1 07464 00386 22506 ... 54525	1310z Strong, rest Fair
25/03	441 000 03045 00001 00000 ... 10140	1310z Unworkable, rest Fair
27/03	441 000 07536 00001 00000 ... 10140	Weak

**April 2026**

1210z	13368kHz	1230z	12168kHz	1250z	11168kHz
01/04		311 000 09294 00001 00000 ... 10140			1250z Unworkable, rest Weak
03/04		311 000 05018 00001 00000 ... 10140			1250z Unworkable, rest Weak
08/04		Unworkable			
10/04		Unworkable			
15/04		311 1 08336 00207 02957 ... 65170			1210z MISSED, rest Weak 1230z QSB3 [Last space x2 see dia]

311 311 311 1 311 311 311 1 311 311 311 1

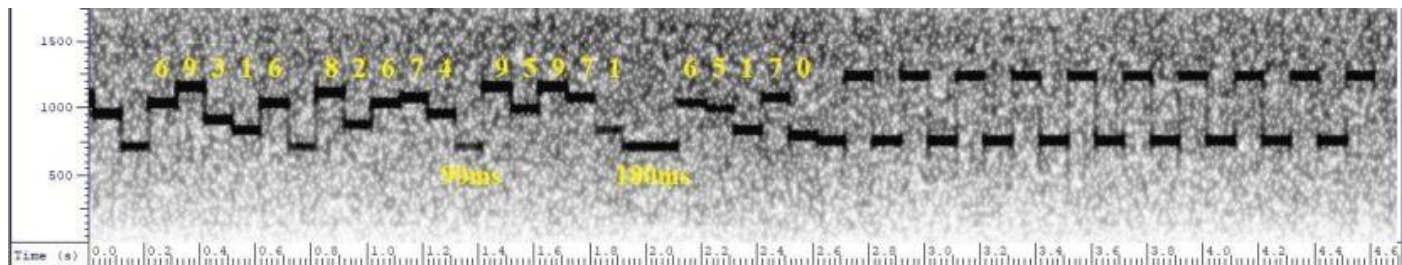
08336 00207 02957 62645 75629 87255 52621 72406 74385 10711  
 37450 66244 03815 69375 62470 49898 37066 74569 60994 13074  
 45067 17517 89422 54151 57750 04337 97247 38968 97351 81229  
 42253 78525 26123 44486 55341 34136 25176 79771 63177 93914  
 32897 27878 69369 67372 43752 36528 48092 33657 80695 49612  
 86314 04323 48834 71314 19533 19484 06853 70272 80975 84501  
 58742 86572 95576 19890

45217 02599 16242 05920 28124 63131 78245 02786 26335 90364  
 09422 10975 42038 26217 15588 41743 21003 08681 73316 49974  
 02911 23267 83604 29934 00990 07680 08928 19705 50929 15317  
 09343 19236 57609 00296 48967 13508 91821 66463 96143 32755  
 44772 55597 42382 06643 88853 31537 41237 97597 10633 51316  
 98558 73788 86790 25082 62416 00234 07954 83683 09758 84180  
 53965 87214 73950 93374

35939 94039 52150 34167 47956 28955 39418 92283 01345 51902  
 10944 95223 48502 51366 44790 12144 31519 33595 53751 52564  
 27739 17913 48099 74764 77261 43701 55495 80715 90177 34210  
 24705 52967 84673 13055 36003 85836 55575 24507 50522 41620  
 94380 36202 94981 34593 84282 52292 35805 5153 37053 97455  
 93314 15826 22121 42123 18848 95088 72400 23992 72502 50850  
 13559 93775 75791 11013

49134 30563 39173 23236 35045 45028 55490 89312 28540 06438  
 49670 51717 27660 73574 69316 82674 95971 65170

*Courtesy PLdn*



Last groups of transmission of 15/04/2026. Note last space x2 duration [180ms]

17/04	311 1 08336 00207 02957 ... 65170	1230z Fair, rest Unworkable [Last space 180ms].		
22/04	311 000 05171 00001 00000 ... 10140	1140z NRH [High QRM at S8], rest Fair		
24/04	311 000 08163 00001 00000 ... 10140	1250z NRH, rest Strong	KW	FRI
29/04	331 000 07700 00001 00000 ... 10140	1210z Weak, 1230z Fair, 1250z NRH		

# XPA2 Mon/Wed [p]

Monday/Wednesday

March 2026

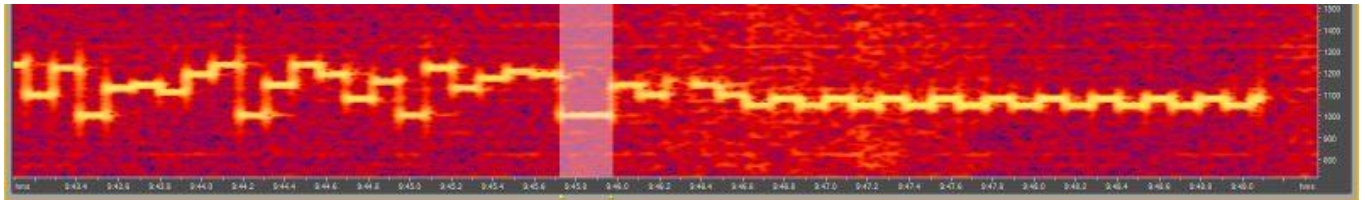
0800z	13931kHz	0820z	14831kHz	0840z	16131kHz
02/03	04153 00001 00000 ... 33261				Very strong [0840z Not monitored]
04/03	09136 00001 00000 ... 34664				Very strong, 0840z NRH
09/03	NRH				
11/03	NRH				[Search hour earlier also NRH]
16/03	NRH				
18/03	NRH				
23/03	NRH				
25/03					

Possible new freqs fm HIRAM

0800z	17459kHz	0820z	18578kHz	0840z	19101kHz		
25/03	With 415 grp msg					Hiram	MON
30/03	00444 00415 39816...30430			Good signal, but fluctuating strongly three times. Out 0807z		Hiram	MON

April 2026

0700z	16342kHz	0720z	17454kHz	0740z	18345kHz
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Noting the last space is x2 length of other space in this first transmission of April 2026; on new freq too.

01/04	00444 00415 39816 ... 30430	0700z Very strong, rest Fair
06/04	Poor signal, unworkable, A full message 8m59s lg; strong with Ary: [Rxd with thanks]	

00748 00532 31248 06648 25890 38269 63002 34240 85900 90146  
 35155 65076 93454 00270 11722 76485 88708 38542 85332 95266  
 92004 70627 89350 71542 32084 23154 81624 74002 77739 93418  
 77188 64746 87825 29803 34835 21275 68562 20798 44463 75132  
 97670 73912 42373 73133 97823 14667 20188 73455 14447 61568  
 23786 13361 66929 33206 12276 97854 27211 27707 90481 77333  
 22162 39604 94929 38505 46248 81745 29651 79488 28642 56749  
 50071 25914 19614 24278 55390 25794 34454 88043 07980 58176  
 75073 30296 70684 02953 91250 18467 40773 76303 74034 63212  
 07659 76929 95917 42979 93779 02969 04377 91218 59915 63234  
 71906 40146 14660 48656 85816 26464 17137 57291 67249 20902  
 33559 26392 87003 38008 90681 11697 27380 43533 73097 63076  
 00620 43749 91833 56978 97289 74936 63088 43985 98859 87747  
 87332 98119 77011 17764 20562 11448 71430 83408 78772 82589  
 44046 74368 97314 32770 65856 22101 45186 76275 97135 81743  
 90759 47147 53523 10448 57299 11811 66348 78876 57684 26125  
 02618 56082 98481 91352 34410 80074 39006 71654 76541 69350  
 01709 55887 43234 13522 22046 71960 75971 06007 28923 35933  
 51887 51813 19794 36637 57675 16286 63276 42075 71317 53686  
 82383 95678 91681 40201 94623 20673 52952 46370 84843 81092  
 10720 10206 08253 39104 14483 64658 77924 84147 72615 60947  
 55411 76303 27430 81068 41755 33886 97296 07910 24165 64032  
 89337 48650 86949 12674 55985 05541 69367 08430 92092 43992  
 12103 92619 35394 89927 21340 69486 04154 91584 28557 05143  
 98867 08281 82271 35627 26124 31805 57356 81531 65532 85098  
 50961 54271 02467 13356 93632 17804 19417 58174 60841 19577  
 66364 09638 45529 47872 80498 21798 71921 72864 14220 76797  
 13991 59282 27346 04441 88195 41069 97467 06722 08053 62978  
 05406 72712 86070 14364 11317 44281 58563 78758 09110 77918

69620 63910 24291 89778 86802 31783 94457 80158 01057 71903  
57765 54260 84699 84375 65861 75848 48134 76850 68092 38473  
45883 78628 18347 02809 82206 70779 86872 34996 08681 30040  
34583 09189 15908 30998 32301 58052 08532 46793 13594 75581  
22603 75410 84288 16257 99229 21761 14577 75862 05915 86203  
61738 13167 78721 00513 07446 73885 73218 89478 88247 82603  
03804 55650 91875 52304 52693 00709 84319 75628 04617 28414  
59168 13584 10583 59617 69107 66998 55464 43446 13016 28952  
99132 90444 62211 15671 38682 12506 21000 33121 87436 10439  
71020 35201 20036 42100 71242 90122 57880 89086 50873 35952  
61510 32123 24873 07702 81386 90176 07572 50467 22288 45974  
76168 70627 25870 76111 64015 03991 66935 52240 00103 12579  
04089 63906 22234 25051 12890 42851 36726 20479 03932 50703  
23434 79963 60550 73151 98437 78742 18184 31771 70334 40962  
31295 39945 18433 57120 35011 32286 31945 03863 70815 33508  
55134 14661 39221 94267 42985 16552 90279 00651 33157 16555  
84901 77341 76807 58556 51172 35125 63801 17496 74143 12700  
12354 19145 14666 92309 15485 30070 83637 22038 54408 79032  
31015 35709 77325 90114 05095 10327 26741 78479 40005 41877  
33939 74978 12506 01770 55424 07256 79478 87412 60661 51106  
33880 68309 27390 28866 40687 85921 55432 55809 67058 90061  
86250 37175 84260 14276 92007 20537 57159 88268 04912 77395  
68152 11690 54166 09487 53064 46708 01627 34245 98882 41138  
97597 92279 04495 68179 09471 47984 34583 15674 05759 46197  
23358 90421 69324 90036 21736 *Courtesy of Ary*

08/04 NRH. Poor condx

13/04 00748 00532 31248 ... 21763

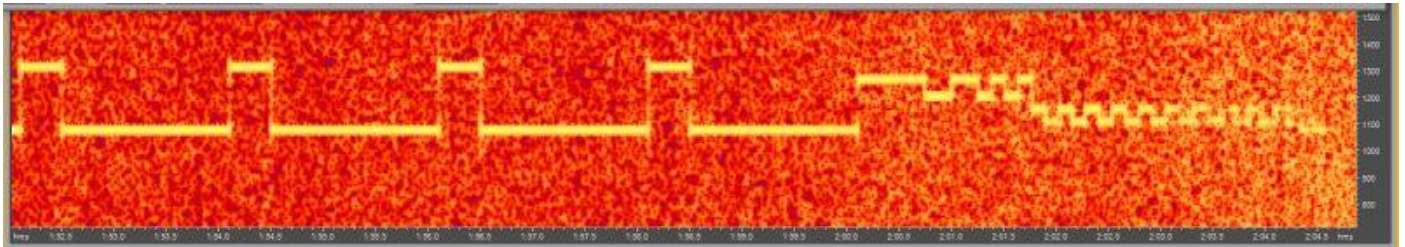
0700z Very strong, 0720z Fair, 0740z Weak

00748 00532 31248 06648 25890 38269 63002 34240 85900 90146  
35155 65076 93454 00270 11722 76485 88708 38542 85332 95266  
92004 70627 89350 71542 32084 23154 81624 74002 77739 93418  
77188 64746 87825 29803 34835 21275 68562 20798 44463 75132  
97670 73912 42373 73133 97823 14667 20188 73455 14447 61568  
23786 13361 66929 33206 12276 97854 27211 27707 90481 77333  
22162 39604 94929 38505 46248 81745 29651 79488 28642 56749  
50071 25914 19614 24278 55390 25794 34454 88043 07980 58176  
75073 30296 70684 02953 91250 18467 40773 76303 74034 63212  
07659 76929 95917 42979 93779 02969 04377 91218 59915 63234  
71906 40146 14660 48656 85816 26464 17137 57291 67249 20902  
33559 26392 87003 38008 90681 11697 27380 43533 73097 63076  
00620 43749 91833 56978 97289 74936 63088 43985 98859 87747  
87332 98119 77011 17764 20562 11448 71430 83408 78772 82589  
44046 74368 97314 32770 65856 22101 45186 76275 97135 81743  
90759 47147 53523 10448 57299 11811 66348 78876 57684 26125  
02618 56082 98481 91352 34410 80074 39006 71654 76541 69350  
01709 55887 43234 13522 22046 71960 75971 06007 28923 35933  
51887 51813 19794 36637 57675 16286 63276 42075 71317 53686  
82383 95678 91681 40201 94623 20673 52952 46370 84843 81092  
10720 10206 08253 39104 14483 64658 77924 84147 72615 60947  
55411 76303 27430 81068 41755 33886 97296 07910 24165 64032  
89337 48650 86949 12674 55985 05541 69367 08430 92092 43992  
12103 92619 35394 89927 21340 69486 04154 91584 28557 05143  
98867 08281 82271 35627 26124 31805 57356 81531 65532 85098  
50961 54271 02467 13356 93632 17804 19417 58174 60841 19577  
66364 09638 45529 47872 80498 21798 71921 72864 14220 76797  
13991 59282 27346 04441 88195 41069 97467 06722 08053 62978  
05406 72712 86070 14364 11317 44281 58563 78758 09110 77918  
69620 63910 24291 89778 86802 31783 94457 80158 01057 71903  
57765 54260 84699 84375 65861 75848 48134 76850 68092 38473  
45883 78628 18347 02809 82206 70779 86872 34996 08681 30040  
34583 09189 15908 30998 32301 58052 08532 46793 13594 75581  
22603 75410 84288 16257 99229 21761 14577 75862 05915 86203  
61738 13167 78721 00513 07446 73885 73218 89478 88247 82603  
03804 55650 91875 52304 52693 00709 84319 75628 04617 28414  
59168 13584 10583 59617 69107 66998 55464 43446 13016 28952  
99132 90444 62211 15671 38682 12506 21000 33121 87436 10439  
71020 35201 20036 42100 71242 90122 57880 89086 50873 35952  
61510 32123 24873 07702 81386 90176 07572 50467 22288 45974  
76168 70627 25870 76111 64015 03991 66935 52240 00103 12579  
04089 63906 22234 25051 12890 42851 36726 20479 03932 50703  
23434 79963 60550 73151 98437 78742 18184 31771 70334 40962  
31295 39945 18433 57120 35011 32286 31945 03863 70815 33508  
55134 14661 39221 94267 42985 16552 90279 00651 33157 16555  
84901 77341 76807 58556 51172 35125 63801 17496 74143 12700  
12354 19145 14666 92309 15485 30070 83637 22038 54408 79032  
31015 35709 77325 90114 05095 10327 26741 78479 40005 41877  
33939 74978 12506 01770 55424 07256 79478 87412 60661 51106  
33880 68309 27390 28866 40687 85921 55432 55809 67058 90061  
86250 37175 84260 14276 92007 20537 57159 88268 04912 77395  
68152 11690 54166 09487 53064 46708 01627 34245 98882 41138  
97597 92279 04495 68179 09471 47984 34583 15674 05759 46197

23358 90421 69324 90036 21736

Courtesy PLdn

15/04	00748 00532 31248 ... 21736	0700z Strong, rest Weak
20/04	09103 00001 00000 ... 10140	0700z Weak, rest NRH [Poor condx]
22/04	05139 00001 00000 ... 10140	0700z Weak, 0720z Unworkable, 0740z NRH
27/04	05299 00001 00000 ... 10140	0720z Unworkable, rest Weak 0700z runtime 2m04s , not expected 2m11s. See below



16342kHz 0700z 27/04 2m04s long. The four groups expected with this type of null message have been omitted.

29/04	09179 00001 00000 ... 10140	0740z Very strong, rest Strong
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## XPA2 Mon/Sat

Monday/Saturday

March 2026

1600z	12163kHz	1620z	10863kHz	1640z	9363kHz
02/03	07268 00001 00000 ... 36265				1640z Weak, rest Fair
07/03	03527 00001 00000 ... 37255				1600z Strong, rest Weak
09/03	01922 00099 31062 ... 36330				1600z Fair, rest Weak

01922 00099 31062 71629 29377 71833 34153 37602 60358 41036  
 57261 75532 70985 88717 23655 64053 26622 28679 25568 76519  
 17094 41625 60093 91180 79129 66297 79600 81400 33505 90562  
 30441 76818 82255 44022 52776 59656 53929 37411 53978 63031  
 05347 84487 00157 21717 16767 15107 36018 74942 26186 95151  
 82918 48622 53951 95500 71630 70616 84331 23955 33018 75384  
 71119 40669 64621 30486 15460 67913 08218 08408 55035 50707  
 32831 14471 73996 66029 08842 35150 65431 44364 02579 09451  
 72434 43039 53062 55638 95844 33127 18018 50656 61248 41549  
 24271 14183 97946 85502 90541 94206 18959 43855 27978 16727  
 50873 36330

Courtesy PLdn

14/03	01922 00099 31062 ... 36330	1620z NRH, rest Weak
16/03	03700 00001 00000 ... 34653	1600z Strong, rest Weak
21/03	09204 00001 00000 ... 34261	1600z Weak, rest NRH
23/03	00828 00187 27180 ... 16152	Weak
28/03	00828 00187 27180 ... 16152	1600z Fair, 1620z NRH, 1640z Weak

00828 00187 27180 07242 16977 96584 52411 02892 22333 75788  
 96786 64190 75679 84500 79777 95880 44201 49530 32840 32687  
 57156 38652 04377 68920 55496 24771 35671 52945 41401 98495  
 37431 50877 47244 89458 88745 31622 68484 95855 07636 66799  
 85300 75938 05064 29490 25635 92426 29726 81239 17641 56784  
 83085 06083 57612 11350 96342 23313 89631 70109 22521 82633  
 75094 86086 74917 22918 83088 14959 62439 12766 49675 38913  
 31569 86916 74262 12799 42343 58502 51464 70555 12669 31882  
 78012 43102 64048 19856 87474 98741 43065 76733 87296 55401  
 93293 03876 94080 33284 79670 87232 78430 13482 65454 14015  
 46777 08422 81379 79748 66899 38893 82221 28376 12947 09587  
 93646 06111 25452 36774 04342 88872 43029 65023 93502 28631  
 59952 08164 74642 27476 62263 17876 70516 87319 33728 31517  
 84964 52215 20588 57087 333 77399 48940 47121 98528 66027  
 72228 98735 80909 36181 16744 64186 11287 48008 37780 39307  
 10060 30907 32521 44612 78499 89654 44290 02315 74477 74889

38181 44155 09996 25498 78190 33400 26216 29042 33452 34928  
 39179 62492 77045 50730 83637 17513 26452 19549 92928 05744  
 85257 42191 67767 02784 62830 11846 60166 63949 01796 16152  
*Courtesy PLdn*

**April 2026**

1500z	15881kHz	1520z	14881kHz	1540z	13381kHz
04/04		04744 00001 00000 ... 36660			1540z Weak, rest Strong
06/04		NRH			
11/04		Not Monitored			
13/04		NRH			
18/04		NRH			

1500z	18036kHz	1520z	16201kHz	1540z	15862kHz	MSa FREQ CHANGE
20/04		05233 00085 31161 ... 40625				1500z NRH, rest Weak. 1540z QSB to nil at end

05233 00085 31161 34240 29595 16819 43946 83091 17172 31243  
 03522 29397 24451 42012 25119 79578 48873 49163 06544 83208  
 46705 57096 98158 94195 62157 41940 48020 35643 14254 37258  
 29062 80193 80541 50322 90029 80647 90294 17324 33325 70443  
 76810 47730 25273 35100 29480 08093 76941 36786 80203 55879  
 56948 27193 52630 84224 70335 32816 91752 28788 38484 28930  
 94284 63752 14550 00447 55629 84620 73234 93495 85057 32197  
 13202 40507 35119 26298 06766 02639 31758 88607 15492 79489  
 09689 03102 90979 82889 98756 45322 46693 40625  
*Courtesy PLdn*

25/04		05233 00085 31161 ... 40625			1500z Very weak, rest Weak
27/04		02842 00001 00000 ... 36256			Weak

# XPA2 Tue/Fri

**March 2026**

**Tuesday/Friday**

1100z	14639kHz	1120z	13539kHz	1140z	12139kHz
03/03		09206 00200 32897 ... 60276			Weak; 1100z had image on Tx
06/03		09206 00200 32867 ... 60276			Fair

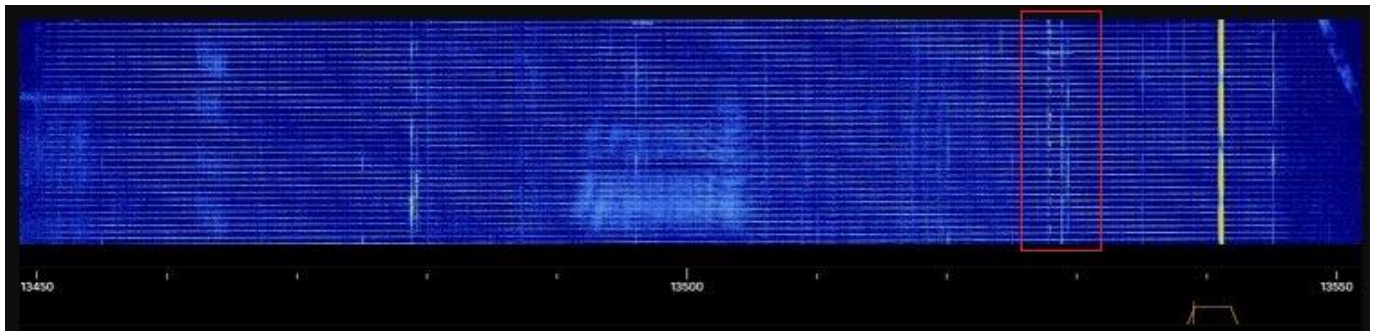
09206 00200 32867 07947 10826 29262 59218 93369 61028 60926  
 62388 56434 24346 75316 33226 39722 06291 46112 19125 35774  
 65248 23200 75017 63869 16319 64382 26192 86133 17293 17210  
 03322 85274 50766 06711 93553 03800 63913 17208 12345 60141  
 91137 87486 34608 59875 85216 88937 06374 41952 34724 41311  
 59487 14372 28204 43343 88589 82310 03072 43105 69276 11599  
 32032 30279 27703 56486 23058 76908 36082 14024 35111 61104  
 24638 46720 20961 43190 28711 75152 56091 93621 98346 88268  
 80876 69518 95337 94781 38408 61143 10115 28030 56190 54582  
 82351 52881 75384 92167 02501 85957 65444 15181 88740 37486  
 21616 00939 11647 19312 31416 54976 90347 12821 61766 48133  
 67229 98833 68780 07984 19759 56549 67546 71221 33486 33651  
 39095 74147 16153 27999 92427 58360 74944 00818 58855 03458  
 11547 59657 47772 68298 13665 60292 90309 43071 29166 13607  
 27824 46714 16145 09987 13330 12847 44449 50576 93216 73794  
 66171 84270 65852 13112 77609 07434 43593 41039 15469 65477  
 92600 39295 06135 60318 09503 89540 16049 09673 78560 32558  
 64977 78260 88013 96774 46437 58839 08895 34521 52731 94876  
 43556 42160 84831 59726 56476 74782 31614 78487 93987 58567  
 61243 29733 75048 56615 26713 03417 89581 72037 36235 37330  
 86858 32025 60276  
*Courtesy PLdn*

10/03		09161 00001 00000 ... 10140			Strong, 1120z OTHRQRM2
13/03		09764 00001 00000 ... 10140			Fair, 1120z DigiQRM3
17/03		07235 00001 00000 ... 10140			Weak
20/03		06622 00001 00000 ... 10140			1100z Fair, rest Weak

24/03 Unworkable  
 27/03 09055 00140 17448 ... 01432 Weak

09055 00140 17448 87909 39311 44027 92390 19354 37660 11606  
 67626 93065 56479 04664 11049 70084 00850 60052 00885 55082  
 23681 78862 74325 42973 04220 10384 31553 05872 09602 51485  
 06519 92474 99245 88623 16981 53749 08899 19632 02474 59836  
 30910 21597 52106 01454 96656 42472 28527 14795 72956 31868  
 29908 07420 25429 82096 28469 49983 46235 02737 99487 32262  
 03128 03151 86059 63637 33612 53435 68395 54151 66692 06853  
 55774 83135 45988 74049 75937 56200 42783 02048 56737 50544  
 18202 00403 08633 33872 63838 51703 45286 28790 63687 42361  
 31358 39012 50296 12476 25707 91651 47485 63410 52341 76831  
 85057 48232 47378 38843 01076 73217 83772 82898 82227 96524  
 97299 82527 81865 66894 05321 85197 63563 85615 19233 83537  
 96210 89349 76531 75550 44536 84192 81432 47626 49253 06251  
 09990 14556 68026 98086 62996 85052 12824 68805 29151 77923  
 85032 46385 01432 *Courtesy PLdn*

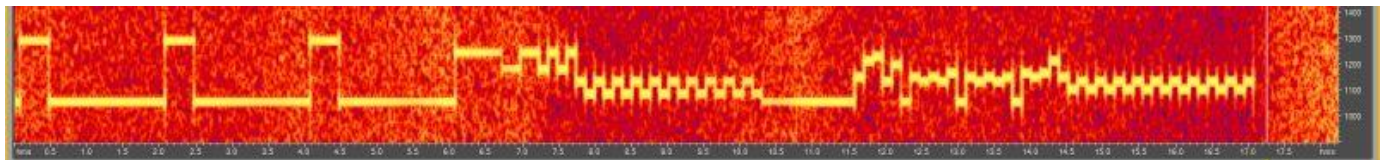
31/03 04553 00001 00000 ... 10140 1140z Weak, rest Fair



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Hiram notes, "The 1120z 31/03 XPA2 transmission was disrupted by a 100 kHz wide interference signal/radar" See image above.

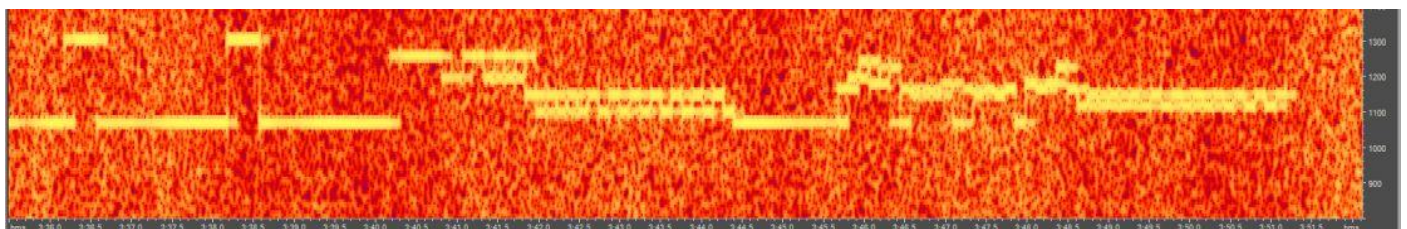
Also, note the use of the old system of repeats with XPA in this image below, also the use of 10140:



**April 2026**

**1100z 16341kHz 1120z 14841kHz 1140z 13941kHz**

03/04 07667 00001 00000 ... 10140 1100z Weak, rest Strong, 1140z LocalQRM3 [Good sigs Hiram]



Double sending 1100z and 1120z

07/04 02514 00001 00000 ... 10140 1100 & 1120z Signal corrupt, double sending? 1140z Weak  
 See image above  
 10/04 09396 00001 00000 ... 10140 1100z Very strong, rest Strong  
 14/04 01055 00068 30375 ... 20773 1100z Fair, rest Weak. 1120z Poor copy

01055 00068 30375 05640 90011 24173 40386 09247 85121 72470  
 73148 03837 09833 29919 19569 61607 11977 44213 12326 24243  
 69170 53552 24819 49919 37396 97516 83463 50602 61790 98370  
 76681 32288 37476 86158 26788 39686 39607 31240 42275 57047  
 25118 57386 14323 11188 66601 04955 49734 39440 61897 93394  
 43158 84322 49358 24879 33200 79297 36403 59060 84918 69100  
 18752 22918 48677 88376 78484 94028 40629 14940 99853 29783  
 20773 *Courtesy PLdn*

17/04	01055 00068 30375 ... 20773	Weak		
21/04	03947 00110 82357 ... 11222	Weak		
24/04	03947 00110 82357 ... 11222	1140z Unworkable, rest Weak	KW	FRI
28/04	01346 00001 00000 ... 10140	1140z Fair, rest Weak		

## XPA2 others

27/03

1100z 14639kHz WEAK  
 1120z 13539kHz WEAK In the background, strong Radar/Jammer  
 1140z 12139kHz out 1144z WEAK  
 1200z 14956kHz 09736 00238 09664...25637 GOOD SIGN  
 1220z 16356kHz 09736 00238 09664...25637 GOOD SIGN  
 1240z 17456kHz 09736 00238 09664...25637 GOOD SIGN (Complete transmission)

17456kHz:

09736 00238 09664 97560 15063 72547 46675 54151 52629 16100  
 65990 06932 59650 74673 98727 92501 45121 24433 31767 48358  
 71843 99494 25191 30495 93462 38612 35546 22207 18105 09772  
 38063 68452 42363 83310 81057 73511 36316 05604 35429 09188  
 69257 71168 58321 45036 21637 71674 84442 54927 53713 19273  
 12130 20313 00316 46599 83388 11164 20566 30470 34080 58195  
 90983 31953 20014 83668 97594 63406 44632 84313 91671 11290  
 70118 45956 79744 14581 91491 45684 97853 49873 22144 09273  
 03265 77840 42269 45811 55245 70966 65284 41103 50415 36418  
 44859 36794 27605 04264 18478 96159 67832 17776 55951 27707  
 99701 54378 65763 97764 58090 16220 40567 15212 07719 83227  
 76847 91340 42660 80926 50716 97077 56481 15352 84829 95630  
 00741 78670 15249 66150 94563 86684 85293 57638 62182 88265  
 15327 06687 64193 52012 95535 31887 29575 93211 96057 65530  
 95965 57992 36528 56883 47030 02964 10698 80531 70147 59090  
 88652 95923 33782 29648 76020 82050 21541 57495 29863 85777  
 04251 22983 36940 71597 85562 72182 57284 17738 34388 71959  
 00091 63032 37923 87165 39799 02756 64263 97192 60468 80785  
 59346 06970 44916 79785 19789 13826 83736 99210 66860 00141  
 21770 33509 85324 57429 71465 59589 65792 99852 06478 26531  
 48277 73801 13778 11061 02098 19153 24993 26019 85731 75236  
 03941 29974 08492 61364 87740 60411 14909 58299 72325 56848  
 48102 49278 97701 65957 84808 01701 47956 90751 96233 86729  
 37095 29736 59183 54622 17341 17916 34656 35170 72809 65564  
 25637  
*Courtesy HIRAM*

28/03                   tnx HIRAM

0900z 19426kHz Very weak signal  
 0920z 18543kHz Very weak signal  
 0940z 17478kHz The signal is better, but there's no XPA2 transmission

30/03

0910z 19456kHz NO SIGNAL  
 0930z 18385kHz 09685 00001 00000 10140 GOOD SIGNAL Out 0932z                   Hiram                   MON  
 0950z 17451kHz WEAK RTTY signal in the background

30/03

1600z 12163kHz 05915 00001 00000 40256 GOOD SIGNAL Out 1602z  
 1620z 10863kHz 05915 00001 00000 40256 GOOD SIGNAL Out 1622z  
 1640z 09363kHz 05915 00001 00000 40256 GOOD SIGNAL Out 1642z

01/04                   [Hiram]

1100z 17426kHz 00473 00122 23971...65356 GOOD SIGNAL Out 1104z  
 1120z 16326kHz WEAK Out 1124z Frequency occupied by strong Stanag 4285 signal  
 1140z 14926kHz WEAK Out 1142z

02/04                   [Hiram]

0630z 17437kHz NO SIGNAL  
 0650z 19137kHz NO SIGNAL  
 0710z 20537kHz NO SIGNAL

1100z 17426kHz 473 122 23911...54356 WEAK 1104 OUT  
 1120z 16326kHz WEAK 1124 OUT  
 1140z 14926kHz WEAK 1144 OUT

04/04 [Hiram]  
 20371kHz 04.04.2026 0900z XPA2  
 19125kHz 04.04.2026 0920z XPA2  
 18542kHz 04.04.2026 0940z XPA2 00714 00160 55851...16772 GOOD SIGNAL 0944 OUT

18542kHz:  
 00714 00160 55851 04185 19133 33028 64722 76815 24916 01571  
 84879 36859 30651 84272 20488 32024 92263 11723 95659 46734  
 84946 13788 05774 31056 62756 29053 26288 12763 70391 10215  
 31422 95891 36903 82678 11426 42656 38832 51966 57271 02932  
 74923 47768 04538 31980 74688 86231 63768 01677 41541 57042  
 89171 49523 14972 28115 86876 10460 37625 27932 62503 43746  
 37513 91561 43132 43904 54812 87164 36420 06904 60837 70696  
 73815 58692 80203 27761 27437 45998 17108 01370 25049 16652  
 83117 82898 93764 68817 12980 29198 70072 35655 07329 70950  
 58040 67781 69867 49699 24317 89802 70312 32849 68628 49572  
 86564 72422 03933 58674 43956 64801 64957 88316 62201 39456  
 85551 17931 45528 73594 15504 89242 78829 51693 78016 32891  
 71721 04828 74966 20933 81690 29996 24455 04284 22031 21144  
 56284 84205 37262 11884 15950 29554 05563 34875 83865 00976  
 50069 45092 06620 92152 62405 47584 71832 22862 80501 51577  
 64830 34236 21833 42916 81523 76344 60193 37498 16116 06893  
 05190 24399 16772  
*Courtesy Hiram*

19286kHz 06.04.2026 0910z XPA2 04370 00001 00000 10140 GOOD SIGNAL 0912Oz OUT [Hiram]  
 18395kHz 06.04.2026 0930z XPA2  
 17437kHz 06.04.2026 0950z XPA2

17437kHz 07.04.2026 0630z XPA2 NO SIGNAL  
 19137kHz 07.04.2026 0650z XPA2 NO SIGNAL  
 20537kHz 07.04.2026 0710z XPA2 NO SIGNAL

# Tones, Hybrids and FSK

## X06 Mazielka (1c) logs section

Date	Day	UTC	Freq	Scale	Monitor	Comments
20260303	Tue	0750-0751	15989	125643	Dave/AU	TX to Ulanbatar, G317
20260303	Tue	0838-0841	17454	325614	Dave	TX to Nairobi, G392
20260304	Wed	0750-0755	15819	256341	Dave	TX to Beirut, G311
20260304	Wed	1220	20374	231654	Ary/NL	TX to Abuja, G422
20260305	Thu	0826-0827	13448	162543	Dave	TX to Nicosia, G39
20260306	Fri	0928	14570	324615	Ary	TX to Madrid, G52
20260310	Tue	0806-0809	16257	542136	Ary, Dave	TX to Beijing, G88
20260310	Tue	0821-0829	13420	534216	Dave	Alert2 (TX to Bagdad, G87) 1
20260310	Tue	0830-0840	11545	534216	Dave	2.2
20260310	Tue	1001-1005	17470	216354	Ary, Dave	TX to Chennai, G388
20260310	Tue	1617	16117	463125	RadiotehnikaT	TX too Rabat, G86(1)
20260312	Thu	0936	12177	356412	Anon32846	TX to Berlin, R
20260312	Thu	1532	16203	1--6--	tiNG	X06b
20260313	Fri	0956	16117	463125	Ary	TX to Rabat, G191
20260316	Mon	0830-0832	14377	432516	Ary, Andrew	TX to Bern, G341
20260316	Mon	0900	12199	532614	Andrew/SE	TX to Paris, G147
20260317	Tue	0742	14615	125643	Ary	TX to Ulanbatar, G383
20260318	Wed	0736-0739	14405	256341	Ary, Andrew	TX to Beirut, G169
20260319	Thu	0752-0754	19858	351264	Dave	TX to Abu Dhabi, G434
20260319	Thu	0935-0940	16103	645321	Dave	TX to Ho Chi Minh City, G417
20260320	Fri	1019-1022	14824	625413	Dave	TX to Tel Aviv, G193
20260323	Mon	0808-0815	14871	156234	Dave	TX to Kampala, G203
20260324	Tue	1030-1043	17470	216354	Dave	TX to Chennai, G228
20260325	Wed	0743-0745	20334	164253	Dave	TX to Addis Ababa, faint, G402
20260326	Thu	0751-0755	14419	521634	Ary, Andrew	TX to Bucharest, G261
20260326	Thu	0805-0807	14450	153624	Ary, Andrew	Alert3 (TX to Damascus, G249) 1
20260326	Thu	0808-0817	14550	153624	Andrew	3.2
20260326	Thu	0816-0818	16153	153624	Ary, Dave	3.3
20260327	Fri	0737	14695	341265	Ary	G444
20260327	Fri	0926	10653	356412	Ary	TX to Berlin, G271
20260401	Wed	0822	14631	362154	Ary	TX to Athens, G32
20260401	Wed	1113-1116	16115	215346	Dave	TX to Mumbai, G25
20260401	Wed	1223	18245	231654	Ary	TX to Abuja, G422
20260403	Fri	0815	13556	324615	Ary	TX to Madrid, G52
20260403	Fri	1317	14720	241563	Ary	TX to Karachi, G50

20260405	Sun	0650-0654	13481	452163	Andrew	TX to Kabul, G66
20260406	Mon	1513	14812	246531	Ary	TX to Accra, R
20260407	Tue	0746-0747	15989	125643	Andrew	TX to Ulanbatar, G317
20260407	Tue	0851-0853	16188	325614	Dave	TX to Nairobi, G392
20260409	Thu	0812-0814	16153	153624	Andrew	TX to Damascus, G249
20260412	Sun	0915-0919	15710	261453	Andrew	TX to Cairo, G138
20260413	Mon	0805	14871	156234	Ary	TX to Kampala, G68
20260413	Mon	0931	16117	463125	Ary	TX to Rabat, G77
20260414	Tue	1146-1149	11025	612534	Dave	TX to Ashgabat, G89
20260415	Wed	1119-1128	16115	215346	Dave	TX to Mumbai, G167
20260416	Thu	0921-0929	16103	645321	Dave	TX to Ho Chi Minh City, G417
20260421	Tue	0633	12252	1--6--	Schorschi	X06b
20260421	Tue	0743	14615	125643	Anon36989	TX to Ulanbatar, G383
20260421	Tue	0846-0849	13401	154263	Andrew	TX to Rome, G148
20260421	Tue	1654-1657	14812	246531	tiNG	TX to Accra, G153
20260422	Wed	0906-0914	16116	134265	Dave	TX to Tunis, G90
20260426	Sun	1034-1036	15810	145632	Andrew	TX to Algiers, G284
20260428	Tue	0805-0811	13420	534216	Dave	TX to Bagdad, G232
20260429	Wed	1214	16650	111222	tiNG	X06b

1) Out only, E07 noise

Many thanks to all contributors for your logs. Till the next issue I say as usual: Good-bye, and please stay safe and healthy

Jochen Schäfer, Numbers-, X06 Database and Teamkopf [*Tnx Jochen and group*]

## **F01**

tnx HIRAM

27/03

1015z 10861kHz WEAK  
 1025z 8187kHz No signal received  
 1035z 6939kHz No signal received

10177kHz 03.04.2026 1015z F01 NO SIGNAL  
 08076kHz 03.04.2026 1025z F01 NO SIGNAL  
 06974kHz 03.04.2026 1035z F01 NO SIGNAL  
 F01 was very weak with it's Friday null message: 00000 +++++ +++++ AB

## **F06**

tnx HIRAM

27/03

0700z 10671kHz WEAK  
 0710z 8093kHz Frequency occupied by Stanag 4481 signal  
 0720z 6879kHz No signal received

03/04  
 0700z 11054kHz GOOD SIGNAL OUT 0706z  
 0710z 08189kHz WEAK SIGNAL OUT 0716z  
 0720z 06952kHz NO SIGNAL

11054kHz MSG six minutes Long:  
 [#0] [INFO] 3 blocks, 1 message(s) | CRC OK  
 [INFO] Message 1 at block #1  
 [#1] 11166702022659803003000490000000000000 | CRC OK  
 [#2] 00 | CRC OK

09437kHz 07.04.2026 0800z F06 WEAK SIGNAL 0806 OUT  
 07691kHz 07.04.2026 0810z F06 Very weak signal  
 05783kHz 07.04.2026 0820z F06 NO SIGNAL

14763kHz 09.04.2026 0600z F06a The same transmission as yesterday with 98 blocks. GOOD SIGNAL OUT 0611z  
 16325kHz 09.04.2026 0615z F06a WEAK SIGNAL  
 19561kHz 09.04.2026 0630z F06a WEAK SIGNAL

## F06a

tnx HIRAM

28/03

0700z 12165kHz WEAK  
0715z 11044kHz WEAK  
0730z 10277kHz Out 0744z Weak signal, then only slightly better

09473kHz 06.04.2026 0400z F06 NO SIGNAL  
07556kHz 06.04.2026 0410z F06 NO SIGNAL  
05471kHz 06.04.2026 0420z F06 NO SIGNAL

09437kHz 06.04.2026 0800z F06 WEAK SIGNAL  
07691kHz 06.04.2026 0810z F06 WEAK SIGNAL  
05783kHz 06.04.2026 0820z F06 NO SIGNAL

11054kHz 09.04.2026 0700z F06 WEAK SIGNAL Message 52 blocks OUT 0707z  
08189kHz 09.04.2026 0710z F06 Very weak Signal  
06952kHz 09.04.2026 0720z F06 NO SIGNAL

01/04  
1200z 10388kHz WEAK  
1215z 08084kHz WEAK  
1230z 06780kHz NO SIGNAL

## Digital

XPB1 fm Ary, Mon/Thu

18434 02-03-2026 0600 XPB1  
18234 02-03-2026 0610 XPB1  
17434 02-03-2026 0620 XPB1  
16234 02-03-2026 0630 XPB1  
15834 02-03-2026 0640 XPB1  
14434 02-03-2026 0650 XPB1

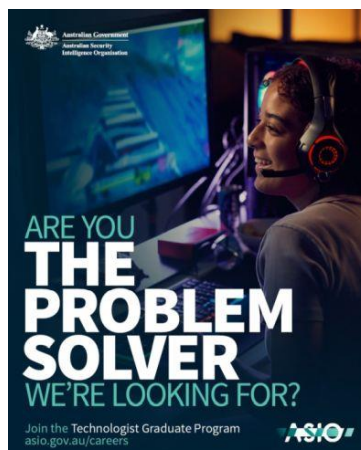
18434 05-03-2026 0600 XPB1  
18234 05-03-2026 0610 XPB1  
17434 05-03-2026 0620 XPB1  
16234 05-03-2026 0630 XPB1  
15834 05-03-2026 0640 XPB1  
14434 05-03-2026 0650 XPB1

19517kHz 09.04.2026 0500z XPB NO SIGNAL [Hiram]  
19317kHz 09.04.2026 0510z XPB NO SIGNAL  
18217kHz 09.04.2026 0520z XPB NO SIGNAL  
17417kHz 09.04.2026 0530z XPB Very weak Signal  
16317kHz 09.04.2026 0540z XPB Very weak Signal  
15817kHz 09.04.2026 0550z XPB Very weak Signal

## HM01

No reports to date

## Gizza Job



## UK News

### Iranian arrests

Four people have been arrested as part of a Counter Terrorism Policing investigation into suspected National Security Act offences. The men were arrested on Friday, 6 March on suspicion of assisting a foreign intelligence service, contrary to section 3 of the National Security Act, 2023. The country to which the investigation relates is Iran.

Detectives arrested the men, one Iranian and three dual British/Iranian nationals, shortly after at addresses in Barnet, Harrow and Watford, as part of a pre-planned operation. The investigation relates to suspected surveillance of locations and individuals linked to the Jewish community in the London area.

Commander Helen Flanagan, Head of Counter Terrorism Policing London, said: "Today's arrests are part of a long-running investigation and part of our ongoing work to disrupt malign activity where we suspect it."

### Faslane arrests

An Iranian man and a Romanian woman have been charged after two people tried to enter a nuclear missile base in Scotland. A 34-year-old man and a 31-year-old woman were charged following the incident at HM Naval Base Clyde, which is known as Faslane. A statement from Police Scotland said: "Around 5pm on Thursday, March 19, 2026 we were made aware of two people attempting to enter HM Naval Base Clyde."

### Sentencing changes

Spies for hostile states including Iran will face longer jail terms under new sentencing laws that take effect shortly. Offenders convicted of national security crimes such as espionage, sabotage or foreign interference will no longer be eligible for automatic release halfway through their prison terms under changes enshrined in the Sentencing Act. They will instead have to serve two thirds of their sentences and will only then be released by a parole board if they are deemed no longer a threat to national security.

They will also face an extra year on "licence" beyond the maximum of their overall sentence, which means that any breach of conditions imposed by probation, police and the security services would see them returned to jail. The tougher approach coincides with the US-Israeli war on Iran and comes after warnings by the security services of the escalating threats to the UK from states including Iran, Russia and China. Last October, Sir Ken McCallum, the director general of MI5, revealed that security agencies had tracked "more than 20 potentially lethal Iran-backed plots" in the previous year. The new "front line" is all around us apparently.

### Chinese arrests

Scottish Labour MP Joani Reid has said she has never seen anything to make her suspect her husband has "broken any law" after her spouse David Taylor was arrested on suspicion of spying for China along with two other men. Earlier, the Metropolitan Police said the men, aged 39, 43 and 68, had been arrested in London and Wales as part of a counter-terrorism policing investigation under the National Security Act. All three men, who have not been named by police, remain in custody. Searches were carried out at properties in London, Cardiff and East Kilbride on Wednesday.

### MI5 IT worker trial

An IT specialist working for MI5 on a contract who disclosed intelligence information to a "foreign power" has been found "not guilty by reason of insanity" by an Old Bailey jury.

Juan Joseph's contract with MI5, also known as the Security Service, lasted from 2009 until 2020.

The 43-year-old worked as systems engineer, security IT management engineer and senior support engineer. But when in October 2020 he developed schizophrenia with paranoid delusions, his colleagues took him to St Thomas' Hospital in London and his contract was terminated.

In November 2024, while still mentally unwell, he emailed the embassy of a foreign country ) information that - according to the judge Mr Justice Hilliard - "related to security or intelligence".

The name of the country and what exactly Joseph disclosed have been kept secret from the press and public. The jury heard the evidence about those parts of the case in "closed" sessions to avoid the risk of damage to national security. They were told never to tell anyone about it.

In December 2024, Joseph took an Air Baltic flight to the Latvian capital Riga. There he emailed the embassy of the unnamed foreign country in Riga. He even went to the embassy and asked for a meeting. In January 2025, after returning to the UK, he sent another email to the foreign country.

Because of his earlier work with MIS, Joseph had security clearance up to "Developed Vetting" and he could access information "of the highest classification". As well as MIS, he also worked with "another organisation within the UK Intelligence Community," the prosecution had told the jury.

When he was arrested at the IBIS Hotel in Sutton on 30 January 2025, he had a folding lock knife in his jacket pocket, which he told police he was authorised to carry because of what he said was his "ongoing role as an MIS officer". He had a fake ID card saying he was an MI5 "STRAP officer".

Joseph's lawyers did not dispute the evidence against him. But three psychiatrists told the trial that Joseph was suffering from schizophrenia, and the prosecution did not dispute this. After deliberating for less than two and a half hours, the jury returned a verdict of "not guilty by reason of insanity" on all five charges - two under the Official Secrets Act, two under the National Security Act and one of possessing a knife.

In the years after his contract was terminated in 2020, Joseph raised a number of unfounded grievances against MI5 including racism, rape, child abuse and torture. MI5's former head of HR, who gave evidence from behind a screen, said Joseph sent emails complaining of "rape of others and himself, abuse of minors, abductions, the attempted assassination of a former director general,

conspiracy to murder, torture and assault on himself and others," all of which proved untrue. He even tried to bring a private prosecution against MI5 in August 2024 for an alleged assault. It was when that was turned down at the magistrates court that he applied to the Administrative Court for a judicial review, and he copied in an email address for the foreign state, and that was when the series of unauthorised disclosures of intelligence information began.

After his arrest, he told police he was a "whistleblower". He said he had done self-defence training at MI5's London headquarters, Thames House, with an instructor, describing it as "swords and knives and stuff". He also said a swastika had been put up in the office and he was stabbed with a needle containing something that made him unwell. "I've now got a permanent problem with my heart which is hyperkinesia, which my heart doesn't pump properly," he told the officers.

The week-long trial was very unusual because there was no dispute between the prosecution and the defence about the evidence of the disclosures of intelligence, or about Joseph's schizophrenia. Mr Justice Hilliard told the jury "all the psychiatrists agreed that so strong was the grip of his mental illness that he simply did not think that he was doing anything wrong. In fact, he believed that he was doing the right thing, that he had to make the disclosure, and that he was justified in what he was doing". Only a jury can return a verdict of "not guilty by reason of insanity".

Joseph will now continue his mental health treatment at Broadmoor Hospital. During the trial, MI5's former head of HR agreed that Joseph's mental fragility was concerning because of the work the agency does, adding it was "more so if the person does not have appropriate support".

## **Co-operation with Ireland**

Britain and Ireland will conduct live exercises to test their readiness for incidents involving subsea cables, the two countries' leaders said in a joint statement setting out enhanced maritime cooperation on Friday. Citing "a more contested environment" and increased hostile state activity, Prime Minister Keir Starmer and his Irish counterpart Micheal Martin said the exercises would begin in September 2026.

Subsea security has become an increasing concern among European nations following a string of power cable, telecom link and gas pipeline outages in the Baltic Sea region since Russia invaded Ukraine in 2022. The new agreement would "enable information sharing and coordinated response mechanisms for addressing major subsea communication cable incidents that may affect our countries," the statement said.

Ireland has applied to join a 2024 agreement on subsea security covering the North Sea region, joining Belgium, the Netherlands, Germany, Norway, Britain and Denmark. It said last month it planned to boost radar and subsea surveillance capabilities and increase cooperation with NATO members amid growing hybrid threats in the North Atlantic. Ireland, which is neutral and has the European Union's lowest level of defence spending, has been criticised for its lack of capability to monitor and defend territorial waters.

## **United States**

### **Communications for "Iranian "sleeper cells"**

Iran has potentially sent out "an operational trigger" to activate "sleeper assets" across the globe as the war with the U.S. and Israel escalates, according to US media reports.

The U.S. has intercepted encrypted communications believed to have originated in Iran that were sent out following the death of Supreme Leader Ali Khamenei in a U.S.-Israeli attack on February 28, ABC News reported, citing a federal alert sent to law enforcement agencies. (Nobody seems able to find and publish this federal alert which appears to have been "private warnings" to various bodies. Good chance to stoke anti-Iranian feeling though and generate a climate of fear. Also handy if a "false flag" operation is being planned to raise support for the war and a great story for conspiracy theory obsessed Americans.) :

The message could "be intended to activate or provide instructions to prepositioned sleeper assets operating outside the originating country," the alert warned. The alert noted that the transmission was "likely of Iranian origin."

"While the exact contents of these transmissions cannot currently be determined, the sudden appearance of a new station with international rebroadcast characteristics warrants heightened situational awareness," the alert added.

The alert cautioned that there is currently "no operational threat tied to a specific location."

Law enforcement agencies have been called by the U.S. to increase their monitoring of suspicious radio frequencies following the U.S. interception of the encrypted message. Sleeper assets, also referred to as sleeper cells, are spies or terrorists hiding out in other countries who often live quiet and unassuming lives until they are called to act on a mission.

A federal alert warns that encrypted communications, likely originating from Iran, may serve as an "operational trigger" for sleeper assets positioned outside the country. The transmission was detected shortly after Ayatollah Ali Khamenei was killed in a joint U.S.-Israeli strike and was relayed through multiple countries before reaching intended clandestine recipients. Analysts say the message's design—requiring a matching encryption key and avoiding internet or cellular networks—is consistent with covert operative activation protocols.

Officials note the intercept occurred in the immediate aftermath of Khamenei's death, suggesting a possible retaliatory motive by Tehran. The alert highlights that the sudden emergence of a new station with international rebroadcast characteristics warrants heightened situational awareness.

Analysts caution that while the exact contents remain unknown, the timing and method align with potential Iranian efforts to mobilize covert networks globally.

Of note according to media reports: Just days before the United States launched a major military operation in Iran, FBI Director Kash Patel fired a dozen agents and staff members from a counterintelligence unit tasked with monitoring threats from Iran, according to two sources familiar with the matter.

They were ousted apparently for the simple reason that each was involved in the investigation of President Donald Trump's alleged retention of classified documents at his Mar-a-Lago estate. As a result, Patel hamstrung the Washington, DC-based FBI counterintelligence unit, known as CI-12,

which handles cases ranging from mishandling of classified documents to tracking foreign spies operating on US soil. The dismissals have added to concern inside the Justice Department and FBI that counterterrorism and intelligence investigations in the wake of the military operation in Iran could be hampered by a mass exodus of national security experts, according to multiple sources familiar with the matter

### **Drones over nuclear base**

During the week of March 9, a swarm of drones repeatedly hovered around Barksdale Air Force Base, a B-52 nuclear bomber base in Louisiana. A spokesperson for the base said that it was unauthorized and criminal activity is now being investigated by both federal and local law enforcement. :

ABC News reported that the drone flights lasted four hours at a time, deliberately flew within the airspace over the base, and appeared to be jam-resistant. Barksdale is a key facility for the U.S. in the current conflict with Iran, housing B-52 bombers and nuclear weapons storage facilities. Another incident occurred at an unspecified installation last month, the commander of U.S. Northern Command mentioned in recent written testimony for the Senate Armed Services Committee (SASC). Both situations took place after the U.S. began bombing Iran in a campaign that has included B-52, B-1 Lancer and B-2 Spirit bombers. It is unknown at this point if there is a connection, however, the military is highly concerned about drones operating with near impunity over its facilities. In addition to interfering with flights and their potential use as weapons, drones can map the electronic emissions throughout a base, gaining insight into vulnerabilities. They can also photograph key areas and operations, providing additional valuable intelligence for any adversary.

Between March 9-15, 2026, Barksdale security forces observed multiple waves of 12-15 drones operating over sensitive areas of the installation, including the flight line, with aircraft displaying non-commercial signal characteristics, long-range control links and resistance to jamming," the document stated. "After reaching multiple points across the installation, the drones dispersed across sensitive locations on the base."

Large aircraft are stored in the open and would be an easy target for an attacker. Highly embarrassing if elements of the US nuclear triad got taken out in a surprise drone attack!

### **Norway News**

"We are describing a serious threat scenario," said Beate Gangas, Chief of the Police Security Service (PST) when she presented the annual threat assessment report on Friday. This includes cyber and influence operations, sabotage, recruitment of human sources, evasion of sanctions and export control regulations, as well as security-threatening economic measures.

The police put emphasis on Russian crew members sailing on non-Russian flag ships.

"To hide their intelligence activity, they will use civilian vessels," the report said. "Russian crews on board civilian vessels registered in a third country pose a significant threat within the sphere of covert maritime intelligence in 2026."

Even some ships with Norwegian flag sail with Russian captains and crew members.

"In 2026, Russian intelligence services will want to collect information about infrastructure, technology and activity along the Norwegian coast. To conceal their intelligence activities, they will use civilian vessels. This type of maritime covert intelligence gathering targets Norwegian interests at sea, in inland waters and at ports," the report said.

### **Finland News**

Russian operatives are increasingly purchasing residential and commercial real estate across Europe near military bases, ports, and critical infrastructure, raising concerns among Western intelligence agencies about potential espionage and sabotage networks, The Telegraph reported on February 23, citing security sources.

According to intelligence officials, the acquisitions may form part of a wider system of so-called "Trojan horse" assets designed to support surveillance operations, covert logistics, and potential attacks during periods of heightened geopolitical tension.

Investigators believe Russian-linked buyers have acquired holiday homes, warehouses, apartments, abandoned buildings, land plots, and even entire islands across at least a dozen European countries. Authorities suspect some properties could serve as observation posts, safe houses, or concealed storage locations for equipment.

Serving and former intelligence officers from three European agencies told The Telegraph they fear certain sites may already contain drones, explosives, weapons, or undercover operatives prepared for activation during a crisis. Security officials say the Kremlin may be attempting to operate below the threshold of conventional war in order to avoid triggering NATO's Article 5 collective defence clause. Rather than launching direct military attacks, Russia could attempt deniable disruptions targeting transport systems, energy networks, and communications infrastructure across allied countries.

"A sabotage campaign is less likely to produce consensus around Article 5 than a conventional Russian military operation," one intelligence officer said. "Deniability — plausible or otherwise — makes attribution harder and, without certainty, it becomes much trickier to rally support."

SIS Chief Blaise Metreweli previously warned that Russia is "testing us in the grey zone with tactics that are just below the threshold of war," describing an operational space between peace and open conflict.

Western officials note that sabotage incidents linked to Moscow—including arson attacks, infrastructure disruptions, and alleged assassination plots—have increased sharply since Russia launched its full-scale invasion of Ukraine in 2022. Some analysts believe these incidents may represent rehearsals for larger coordinated operations.

European concerns intensified after Finnish authorities uncovered suspicious activity connected to the company Airiston Helmi, which had quietly purchased 17 properties near strategic maritime routes and telecommunications infrastructure. During a major 2018 raid, investigators discovered extensive facilities on one island, including multiple docks, surveillance systems, a helipad, communications equipment, and buildings resembling military barracks.

Although the company's Russian owner was ultimately convicted of fraud rather than espionage, Finnish officials viewed the case as a potential model for hybrid operations. Following the investigation, Finland effectively barred Russian and Belarusian citizens from purchasing real estate, a move later echoed by several Baltic States.

Despite growing concern, intelligence officials warn that legislative loopholes still allow Russian investors to acquire strategically located properties in many European countries, including the United Kingdom. Security experts fear vulnerable locations could include areas near submarine bases, undersea cable landing points, and major military installations.

Officials in Norway and Sweden have also raised alarms over properties linked to Russian entities near sensitive Arctic bases and airfields. In some cases, buildings owned by organizations tied to Moscow have reportedly been assessed as potential surveillance platforms.

Charlie Edwards, a senior fellow at the International Institute for Strategic Studies, said property acquisitions have evolved into a recognized component of modern hybrid warfare.

"What once looked like suspicious commercial activity has evolved into a recognised vector for hybrid warfare, surveillance and potential sabotage," he said. Intelligence agencies believe Russia has shifted away from large, easily detectable projects toward acquiring many smaller, ordinary properties across Europe—creating a dispersed network that is significantly harder to monitor, The Telegraph noted.

### **Austrian News**

Russia has turned the Austrian capital, Vienna, into a major hub for electronic espionage, the Financial Times reported on March 17, citing Western intelligence officials and satellite imagery analysis.

A European diplomat told the publication that government and military communications in NATO countries are being monitored from Vienna. Experts also say communications across the Middle East and Africa are being intercepted from the same location.

According to a representative of a Western intelligence agency in Vienna, new antennas and "unusual" structures have appeared on the rooftops of Russian facilities over the past two years.

Intelligence sources also noted that the orientation of some antennas is frequently changed. For example, ahead of the Munich Security Conference, one large antenna was redirected, only to return to its original position the following day. Most of the antennas are reportedly pointed westward.

Erich Meichel of the NomenNescio group said four satellites had been identified as part of the activity: Eutelsat 3B, Eutelsat 10B, SES-5, and Rascom QAF1, all of which are used for communications between Africa and Europe. Meichel added that Vienna is particularly well-suited for such operations due to its proximity to one of Europe's key satellite communication stations. The Austrian capital is also home to numerous international organizations, including the United Nations, the Organization for Security and Co-operation in Europe, the International Atomic Energy Agency, and the Organization of the Petroleum Exporting Countries, all of which rely heavily on satellite communications.

### **Polish News**

Poland is the main target of an expanding sabotage campaign being orchestrated by Russia across Europe, according to a new report by the International Centre for Counter-Terrorism (ICCT).

Among the 151 cases of sabotage in Europe it identified between February 2022 and February 2026, 31 (21%) of them took place in Poland — more than in any other country. Of the 41 cases newly identified since the ICCT's last report in September, more than a quarter (11) took place in Poland, "Poland, which was already the most frequently targeted country...now stands out even more clearly as the primary focus of Russian activity," say the authors.

They also note that the true number of incidents is likely higher, because many cases become public only after lengthy investigations or once authorities are able to attribute responsibility. While Poland had the highest number of incidents identified by the ICCT, its report describes a broader campaign spanning much of the continent.

France ranks as the second-most-affected country with 20 incidents, followed by Lithuania and Germany with 15 each, the United Kingdom with 12, and Estonia with 11. The targeting of countries correlates closely with levels of political and military support for Ukraine, note the authors.

Across all 151 cases, researchers identified 172 alleged perpetrators. Roughly 95% were ordinary civilians with no formal ties to Russian intelligence, whom the researchers describe as "disposable" agents.

Such operatives, who are easy and cheap to recruit via messaging service Telegram and to pay in crypto currency, have increasingly been used by Russia in recent years. Recruits are often initially paid small sums for minor tasks before being escalated to more serious acts such as arson or explosive attacks.

The study outlines several broad categories of perpetrators: teenagers and young adults lured online with promises of quick cash; members of diaspora communities from former Soviet states, including Ukrainian and Belarusian refugees; criminals recruited through prisons or organised networks; pro-Kremlin sympathisers; and "travellers" who briefly enter a country to carry out an operation before leaving.

Around half of the suspects were not residents of the country where the attack took place. In Poland, Ukrainians and Belarusians, who are the country's two largest immigrant groups, are most often recruited by Russia. In response to Moscow's campaign of sabotage, espionage and cyber attacks, Poland has successively closed down all three of its Russian consulates. Russia has responded by doing the same to the three Polish consulates that previously operated in its country.

### **Greek News**

A Greek air force officer arrested on suspicion of spying for China has been detained pending trial after appearing before a military judge in a case that is seen as exposing Beijing's determination to infiltrate Europe's security and intelligence services.

Surrounded by armed escorts, a squadron leader identified as Col Christos Flessas emerged from the court late on Tuesday after giving testimony for more than eight hours.

The 54-year-old could face a life sentence if found guilty of charges that include "transmitting top secret information of a military nature" to China. He was described as having access to sensitive military information, including armed forces technologies under development, and is believed to have been recruited by Beijing last year.

Greek media reports said he had admitted to photographing and transmitting classified Nato documents using specialised encryption software provided by Chinese intelligence. He allegedly received tradecraft training in China during an undeclared trip to the country that military sources claimed had ultimately exposed him.

In a statement made by his lawyer after the court appearance, Flessas said: "Unknowingly and without intent, I became involved in something that developed in a way that became nightmarish, dangerous and illegal. In my testimony I did not try to justify myself or, in reality, even defend myself ... I ask to be punished with a fair punishment."

Greek authorities were reportedly tipped off by the CIA about the extent of the leak, and in a highly unusual statement after Flessas's arrest on 5 February the Greek general staff said there was "clear evidence of criminal offences under the military penal code".

Chinese operatives are thought to have initially approached their target online before recruiting him at a NATO conference in an unidentified European country. Flessas has been cited as saying he was lured with promises of financial rewards made in foreign currencies and digital payments of between €5,000 and €15,000 for every transmission made. He told the military magistrate on Tuesday that contact with agents that would lead to his handler was first made via LinkedIn.

Nicholas Eftimiades, a retired US senior intelligence officer with considerable expertise in Chinese espionage operations, told The Guardian the case was a wake-up call for the Greek government and military.

"[It's] significant because it shows China's desire and ability to penetrate the military communications infrastructure of Greece and other NATO members," he said. "Nations spy against other militaries to give them an advantage in war. Despite all the proclamations of friendship and economic engagement, China continues to evolve as a threat to democracies worldwide."

Flessas had previously served as a NATO evaluator in information systems and at the time of his arrest was commanding a battalion in the Athenian suburb of Kavouri training in telecommunications. Eftimiades, whose book *Chinese Espionage Operations and Tactics* was released last year, said because citizens in China were required by law to support their country's espionage efforts, the west was increasingly vulnerable to Beijing's spymasters.

## French News

Two suspected Chinese spies, accused of using a sleepy village in south-western France to gather information, have been arrested.

Residents of Camblanes-et-Meynac, about 15km (9 miles) from Bordeaux, grew suspicious when - after letting a house through rentals giant Airbnb - the Chinese pair erected a large parabolic antenna in the garden. The dish was directed at the sky and locals noticed that its installation coincided with a spate of cuts to their own internet service.

Intelligence experts believe south-western France is being increasingly targeted by Chinese and other espionage because of the region's proximity to defence, aerospace and telecommunication sites.

Last Saturday, officers from France's General Directorate for Internal Security (DGSI) agency raided the house and seized a large quantity of computer equipment.

The men - Chinese nationals aged 27 and 29 - were questioned at DGSI headquarters in the suburbs of France's capital Paris, and have now been charged with "delivering information to a foreign power... likely to damage the interests [of France]".

The prosecutor's office said the men had arrived in France last month under work visas which said they were engineers at a company specialising in wireless communications. Two other men of Chinese origin, but living in France, have been charged with providing assistance.

According to the prosecutor's office, the suspected spies were trying to "capture satellite data from [X owner Elon Musk's] Starlink network, as well as data from vital entities, notably military, in order to retransmit them to their country of origin, China".

It is not the first time suspected Chinese spies have been caught in south-western France.

Last summer, a 51-year-old Chinese engineer was detained in the village of Boulogne-sur-Gesse, about 40 miles south-west of Toulouse. She had also installed a satellite dish and was suspected of trying to intercept signals from the Issus-Aussaguel ground station in the Toulouse suburbs.

Meanwhile, in December, a mathematics researcher at the University of Bordeaux's Institute of Mechanics and Engineering was placed under judicial investigation for "providing information to a foreign power" after he allegedly allowed members of a Chinese delegation into a restricted area. "We do not know precisely what the pair at Camblanes-et-Meynac were up to, but the list of potential targets in the south-west of France is very large," said Jeremy André, an expert in Asian espionage at Intelligence Online.

In addition to Issus-Aussaguel - which communicates with satellites used by the French military and intelligence - there is a major airbase at Bordeaux-Mérignac. Defence industries like Airbus, Thales and Dassault all have installations in the area.

"Since World War One, the south-west has been a vital zone for French defence research," André said. "The idea was to focus activity as far as possible from the frontline, and then it stayed." He continued: "We know that the Chinese have spent a lot of energy developing co-operation with towns in the south-west, via legitimate diplomatic and economic channels.

"In itself, there's nothing wrong with that, but in doing so they create a tissue of links which can be activated on demand."

According to intelligence experts, French authorities have recently decided to take cases like this to court. Previously, they would have chosen to deal with them covertly, suggesting a greater determination to publicise the espionage threat from China. In Camblanes-et-Meynac, locals were bemused by the story. "Here we tend to get artists, not spies," said Mayor Jean-Philippe Guillemeot. "Maybe they just wanted somewhere nice and quiet."

### **China and Radio Amateurs**

Noting the above, in March 2025 China's state security agency revealed two cases of radio enthusiasts setting up illegal stations under foreign direction to gather sensitive data and spread disinformation.

According to the Ministry of State Security (MSS), radio technology underpins vital infrastructure but some radio hobbyists see foreign radio equipment as "novel toys" unknowingly exposing themselves and the country to risk.

One case involved suspicious devices near a naval port, continuously intercepting sensitive signals. Investigators found the equipment belonged to a radio enthusiast living near a naval port. He had accidentally received an email from a foreign data company offering him free radio equipment worth 1000 yuan (\$138). He submitted his details and received and assembled the device on his balcony as instructed within a month. During its operation, the equipment collected a large amount of information on ship locations in the waters near the port and transmitted the data abroad via Wi-Fi, threatening military security.

In another case, the state security agencies discovered that a Chinese national illegally set up a radio station to spread "false information" and "disrupt social order" under the direction of foreign forces. To promptly eliminate the threat, the state security agencies, in coordination with relevant departments, arrested him. He admitted that he met a foreign agent online who promised big rewards for broadcasting relevant content. He then bought the parts online, built the station under the agent's guidance, and received the content to broadcast. Both individuals were arrested and prosecuted.

### **Azerbaijan News**

A French national has been found guilty of spying on the military in Azerbaijan and sentenced to 10 years in a maximum security prison, state media report.

Martin Ryan was accused in December 2023 of spying on behalf of Paris and collecting secret information about Baku's military co-operation with Turkey and Pakistan. He was also accused of helping recruit French-speaking Azerbaijanis to co-operate with French intelligence.

Both France and Ryan have repeatedly denied the spying allegations.

Ryan was put on trial alongside an Azerbaijani citizen, Azad Mamedli, who was sentenced to 12 years for treason, AFP news agency reports. France previously described Ryan's detention as "arbitrary" and demanded his immediate release. During his trial, prosecutors alleged he had co-operated with employees of France's security services allegedly operating from the French embassy in Baku.

Prosecutors said Ryan had gathered information about Azerbaijan's relations with Turkey, Iran and Pakistan, as well as companies linked to Russia and China. Furthermore, Ryan was accused of recruiting Mamedli and arranging for him to meet French intelligence agents, who allegedly tasked him with recruiting Azerbaijanis and Russians at a Moscow university where he studied. In Ryan's final statement to the court, he denied spying and said he had acted unknowingly.

"I consider myself guilty only in that I should not have established contacts with some embassy employees, or that I should have shared information about them with the appropriate authorities," Ryan told the court.

### **Iranian News**

Iran executed a man in mid-March accused of spying for Israel's Mossad intelligence agency. The death sentence was carried out after completing legal procedures and receiving approval from the Supreme Court. The man was accused of providing Israeli intelligence with images and sensitive information about key locations inside the country.

According to the report, he was allegedly recruited online while in Sweden after posting his details through a group travel advertising link. Initial contact was reportedly made by a Persian-speaking Mossad operative. The suspect was arrested by Iran's Islamic Revolutionary Guard Corps (IRGC) in June in the city of Savojbolagh, during the 12-day conflict with Israel.

Authorities said he was found in possession of advanced espionage equipment, including intelligence-gathering tools and satellite communication devices.

Mossad has intensified outreach to Iranians via Telegram and other platforms, seeking individuals to help destabilise the Islamic Republic, confirmed by links on the agency's website. The recruitment effort includes a Persian-language Telegram channel with instructions for safe contact and a related X account managed by Israeli intelligence. Mossad's online activity, including messages of support during protests and sarcastic comments on leadership changes, aims to connect with and encourage Iranians.

### **German News**

#### **BND enhancement**

An amendment to the BND Act is due to reach the German cabinet in the coming weeks before making its way to parliament. Details are being worked out, but the signs are it will mark the most fundamental reform in the agency's history. Officials speak of a turning-point, for German intelligence. The aim is to turn the department into an actor capable of holding its own in a dangerous world. In a country where the Gestapo and Stasi cast long shadows, strict limits have been placed on the operations of the secret services.

An early draft of the bill leaked to German media suggests that new powers will include the right to conduct offensive operations, including “hack-back” cybe-attacks on adversaries, and to infiltrate private tech companies. It will be given greater powers to grab and review data from internet exchanges ; it will be able to store it for longer; and will have access to the content of messages, not just their metadata. Another proposal is to grant officials the right to declare a pre-war “special intelligence situation” under which the department would enjoy expanded powers to combat specific threats.

Since last year the BND and other intelligence bodies have been exempt from Germany's “debt brake”, which constrains borrowing. This year the BND’s budget has been lifted by a quarter to €1.5bn (\$1.7bn). Much of the increase will be devoted to improving capability in areas like AI and satellite reconnaissance.

The rationale for the change is two-fold. The first is the growing hybrid threat from adversaries, especially Russia. Russia is blamed for acts of sabotage, hacking and disinformation and said that his agency needed the tools to respond. A second reason is to reduce their dependencies, notably on America. Donald Trump's decision to temporarily withhold intelligence support from Ukraine last year likely highlighted the risk of allies exploiting points of leverage. Germany cannot trust the Americans to the same extent anymore, so the old model is obsolete.

#### **Ukraine News**

The Security Service of Ukraine (SBU) has detained an alleged FSB informant in the Donetsk region who, while serving as deputy director of a school in Kramatorsk, is accused of assisting Russian forces in adjusting missile and drone strikes on the city.

According to the investigation, the employee came to the attention of the Russian special service when she travelled to Belarus at the beginning of the full-scale war, SBU press service said. “Last summer, the FSB ‘activated’ cooperation and tasked her with monitoring the locations of defence forces in the frontline city.

To carry out the assignment, the suspect walked through city districts and recorded areas with the highest concentration of Ukrainian military personnel and equipment. In addition, the woman attempted to covertly obtain intelligence through acquaintances during casual conversations.

She transmitted the collected information via messenger to her Russian handler in the form of voice and text messages, indicating the locations of potential ‘targets’. SBU officers documented the suspect's activities and detained her at her place of residence. At the same time, measures were taken to ensure the security of Ukrainian military positions. During searches, officers seized a smartphone used for gathering intelligence and communicating with the FSB. (...) The suspect is being held in custody without bail. She faces life imprisonment with confiscation of property,” the statement said.

*Thanks for the sterling effort here 'E.' Enjoyable and informative!*

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**May 2026**

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	<b>Fam 3 [E11/S11a]</b>	<b>E06</b>	<b>E07</b>	<b>V32</b> 7842 or 7910	<b>XPA1</b>	<b>XPA2</b>	<b>XPA2</b> MW
<b>SUN</b>	0600 9150 0700 7377 <b>0830 5149</b> 1605 5231 1645 5082 1745 14410 1815 12229 1910 9610	<b>SEARCH</b>  0730  0800		7842 or 7910 or Search			
<b>MON</b>	0450 7469 <b>0510 16357</b> 0830 16335 0845 12815 0900 11116 <b>0915 6814</b> 1045 12089 1300 5737	1745 14410 1900 7600		7842 or 7910 or Search		Mon/Sat 1500 18326 1520 17411 1540 16031	Mon/Wed 0700 16336 0720 17462 0740 18053
<b>TUE</b>	<b>0445 9968</b> 0645 8091 0700 8680 0715 10508 0745 14940 0820 17378 0845 19184 1000 12153	1205 8274 1605 5231	1500 16132 1520 18232 1540 18432	7842 or 7910 or Search		Tue/Fri 1100 16159 1120 14359 1140 13459	
<b>WED</b>	0315 8565 <b>0510 16357</b> 0820 17378 0845 12815 0900 11116 0930 6923 1045 8845	1610 4783 1715 7863 <b>1850 12457</b>		7842 or 7910 or Search	1210 13419 1230 12219 1250 11419		Mon/Wed 0700 16336 0720 17462 0740 18053
<b>THU</b>	0315 8565 <b>0445 9968</b> 0645 8091 <b>0700 9331</b> 0745 14940 0820 6252 0845 19184 0930 6923	1300 5737 1530 10356 1645 14575 1730 8088 1900 7600 2000 5409	1000 17468 1020 16292 1040	7842 or 7910 or Search			
<b>FRI</b>	0600 9150 0700 8680 0715 10508 0820 6252 0830 16335 <b>0915 6814</b> 1000 12153	<b>1400 9448</b> 1715 7863 1815 12229 1910 9610	1500 16132 1520 18232 1540 18432	7842 or 7910 or Search	1210 13419 1230 12219 1250 11419	Tue/Fri 1100 16159 1120 14359 1140 13459	
<b>SAT</b>	0700 7377 <b>0830 5149</b> 1610 4783 1645 5082 <b>1850 12457</b>	1610 4783 1645 5082 <b>1850 12457</b>	<b>SEARCH</b>  1600  1630	1000 17468 1020 16292 1040 14876	7842 or 7910 or Search	Mon/Sat 1500 18326 1520 17411 1540 16031	

# PREDICTIONS

Daily Calendar

JUNE 2026

Zulu Time

	Fam 3 [E11/S11a]	E06	E07	V32 0200 or 1800z	XPA1	XPA2	XPA2 M/W
<b>SUN</b>	0600 9150 0700 7377 <b>0830 5149</b> 1605 5231 1645 5082 1745 14410 1815 12229 1910 9610	<b>SEARCH</b>  0730  0800					
<b>MON</b>	0315 18511 0450 10508 <b>0510 16357</b> 0830 16335 0845 12815 0900 11116 <b>0915 6814</b> 1045 12089 1300 5737	1745 14410 1900 7600				<b>SEARCH</b> Mon/Sat 1500 1520 1540	<b>SEARCH</b> P 0700 0720 0740
<b>TUE</b>	<b>0445 9968</b> 0645 11092 0700 8680 0715 10508 0745 14940 0820 17378 0845 19184 1000 12153	1205 8274 <b>1400 9448</b> 1605 5231		1500 14945 1520 16145 1540 18245	7842 or 7910 or Search		Tue/Fri 1100 15874 1120 14474 1140 13374
<b>WED</b>	0315 18511 <b>0510 16357</b> 0820 17378 0845 12815 0900 11116 0930 6923 1045 8845	<b>1400 9448</b> 1430 12984 1610 4783 1715 7863 <b>1850 12457</b>			7842 or 7910 or Search	Wed/Fri 1210 13545 1230 12145 1250 11145	<b>SEARCH</b> P 0700 0720 0740
<b>THU</b>	0315 8565 <b>0445 9968</b> 0645 11092 <b>0700 9331</b> 0720 7984 0745 14940 0820 6252 0845 19184 0930 6923	1300 5737 1530 10356 1645 14575 1730 8088 1900 7600 2000 5409		1000 17453 1020 16137 1040 14760	7842 or 7910 or Search		
<b>FRI</b>	0600 9150 0700 8680 0715 10508 0820 6252 0830 16335 <b>0915 6814</b> 1000 12153	<b>1400 9448</b> 1715 7863 1815 12229 1910 9610		1500 14945 1520 16145 1540 18245	7842 or 7910 or Search	Wed/Fri 1210 13545 1230 12145 1250 11145	Tue/Fri 1100 15874 1120 14474 1140 13374
<b>SAT</b>	0700 7377 <b>0830 5149</b> 1430 12984 1610 4783 1645 5082 <b>1850 12457</b>		<b>SEARCH</b>  1600  1630	1000 17453 1020 16137 1040 14760	7842 or 7910 or Search		<b>SEARCH</b> Mon/Sat 1500 1520 1540

## M01 FREQUENCY LIST

Frequencies may vary by a few kHz

**JAN FEB NOV DEC**

**M01/1**

**197**

DAY	TIME UTC	FREQ kHz
TUE / THU	1800	5320
TUE / THU	2000	4490
SAT	1500	5810
SUN	0700	5465

**MAR APRIL SEPT OCT**

**M01/2**

**463**

DAY	TIME UTC	FREQ kHz
TUE / THU	1800	5475
TUE / THU	2000	5020
SAT	1500	6260
SUN	0700	6510

**MAY JUNE JULY AUG**

**M01/3**

**025**

DAY	TIME UTC	FREQ kHz
TUE / THU	1800	5280
TUE / THU	2000	4905
SAT	1500	6435
SUN	0700	6780

**XPA1 Wednesday/Friday schedule**

Zulu >	XPA1 Wed/Fri Schedule		
Month v	H+10 1210 / 1310z	H+30	H+50
Jan	14852	13952	11552
Feb	14374	13374	11474
Mar	14451	13451	12151
Apr	13368	12168	11168
May	13419	12219	11419
June	13545	12145	11145
July	13368	12168	11168
Aug	13491	12191	10691
Sept	12137	11137	10237
Oct	14564	13564	11464
Nov	13875	13375	10875
Dec	13465	12165	10265

**XPA2 p Schedule [Mon/Wed]**

Zulu >	XPA2 Sched p		
Month v	H 00 0700 / 0800z	H+20	H+40
Jan			
Feb			
Mar	17459	18578	19101
Apr	16342	17454	18345
May	16336	17462	18053
June			
July			
Aug			
Sept			
Oct			
Nov			
Dec			

## Special Matters

### Thanks to all our contributors:

Ary, BR, Brixmis, DanAR, Daryl, dMHz, E, Gert, Hiram, HJH, JPL, MNDBS, PLdn, PoSW, RNGB, TRoper

Apologies to anyone missed.

## MESSAGES

**E: Tnx yr input, work etc. Hope all proceeds well.**

## RELEVANT WEBSITES

ENIGMA 2000 Website:

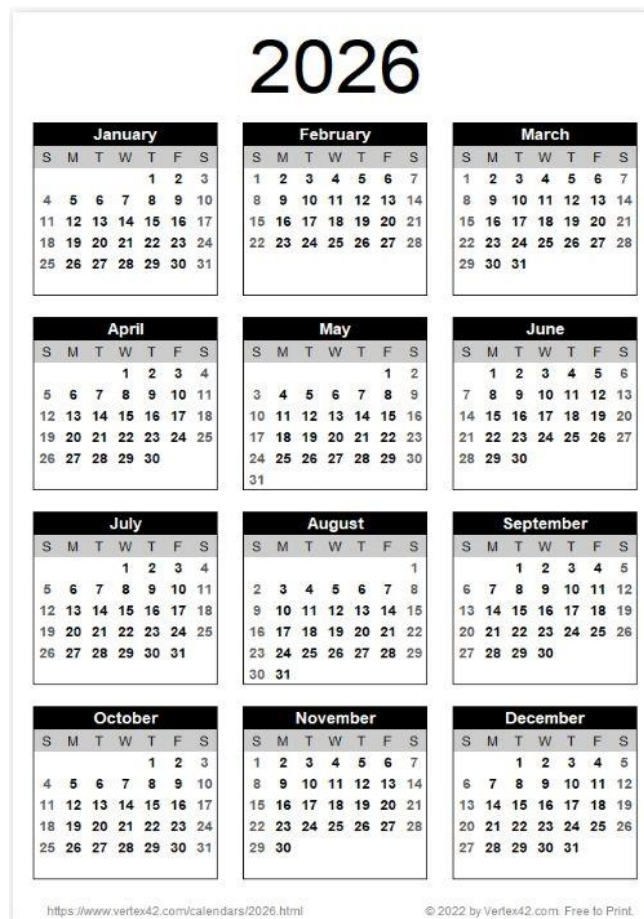
<http://www.enigma2000.org>

Time zone information:

<http://www.timeanddate.com/library/abbreviations/timezones/>

Encyclopedia of Espionage, Intelligence, and Security

<http://www.faqs.org/espionage/>



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