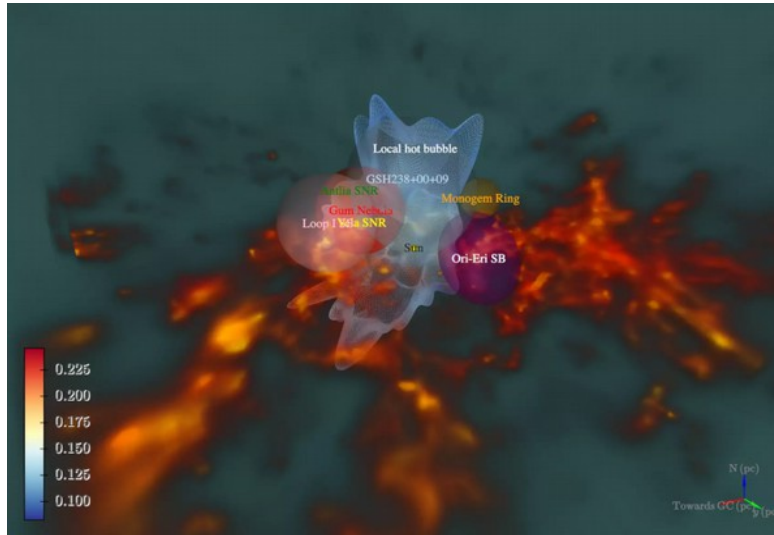


The Local Hot Bubble



by Miles Mathis

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A reader alerted me to [this important paper](#) from October of last year from the Max Planck Institute, led by Freyberg, Merloni, et al. I have already referenced it in an update to [this paper from December 2024](#), but I will do so in more detail now. In it we find multiple confirmations of my charge field theory, as well as of my Solar Cycle mechanics.

Our Solar System dwells in a low-density environment called the Local Hot Bubble (LHB), filled by a tenuous, million-degree hot gas emitting dominantly in soft X-rays.

That is the first sentence, but already it doesn't make much sense. Are they claiming they have discovered local space isn't near zero temperature, as we have been told up to now, but is actually a million degrees? Of course not. The LHB was initially proposed back in the 70s to explain the ubiquitous soft X-ray background below .2 keV, and that background is obviously not at a million degrees. So where exactly is this local plasma at one million degrees? We aren't told.

In the 1990s it was discovered that the Solar Wind also created this same soft X-ray background, but these mainstream scientists never really figured out what was going on there, since they now claim both the Solar Wind and this plasma create the LHB, but don't show how the two are linked.

At least in that case we can point to the million-degree hot gas: the Solar Corona. But stellar coronas don't "fill" the entire LHB, do they?

To show how lost they are, the current theory is that this is caused somehow by past supernova explosions that heated the bubble. I guess the Sun would then be recycling or recreating this energy somehow. No word on why supernova explosions would leave an X-ray residue at that temperature, especially when it is known they don't. Also no word on how supernovae leave a million-degree plasma, or where that plasma exists.

My readers will be interested to know that this new data came from eROSITA, a telescope orbiting beyond the Earth's corona, and so avoiding that contamination. From there

They found a clear temperature dichotomy in the LHB, with the Galactic South (0.12 keV; 1.4 MK) slightly hotter than the Galactic North (0.10 keV; 1.2 MK). This feature could be explained by the latest numerical simulations of the LHB caused by supernova explosions in the last few million years.

You have to laugh at that last part. By that I guess they mean there were more or bigger explosions to the galactic south, without of course pointing to any specific ones. But my readers know the south is hotter than the north simply because the south pole of the Earth is pulling in photons, while the north is pulling in antiphotons. But locally there are more photons than antiphotons because the Sun is spinning one way and not the other. The local environment is skewed to photon spin for that reason. You would expect a balanced field only in an environment where the major bodies were spinning one way as much as the other. But they aren't, neither the Sun nor the galaxy.

You will say eROSITA is beyond the Earth's corona, so that explanation fails. No it doesn't, because the entire Solar System is skewed in that way, and the Earth is pulling in charge from the poles in huge vortices that reach far out into space, north and south of the Solar equator, and that is known by the mainstream. So although eROSITA is above some of the chatter of the Earth's EM atmosphere, it is not above these charge streams. It could not be since you can't escape them without leaving the Solar System.

Which reminds us that the mainstream has left out the primary and major player here: charge photons. The mainstream discovered the Solar Wind recently, but still ignores the driver of the Solar Wind, the massive Solar Charge Field, which the Sun recycles from the Galactic Charge Field. It sometimes admits it is there, but doesn't realize it is primary. Also they don't realize its strength: [the charge field is 95% of the total energy of the field, outweighing matter by 19 to 1](#) (which—not coincidentally—is the fraction of so-called dark matter). [Once you include the charge field in these equations](#), you don't need supernovae to explain anything here, you see. The X-rays are caused by the charge fields of regular stars (and even big planets like Jupiter and Saturn) being spun up to X-ray by what they call [magnetic reconnection](#). So the X-rays aren't being “emitted”, they are being created by direct interaction of stellar charge fields with ambient fields. What ambient fields? Well, [in our case by charge returning from big planets like the Jovians](#). That charge returning to the Sun is what causes the Solar Corona, as well as this interaction with the Solar Wind they are calling the Solar Wind Exchange Process. In short, charge moving in opposite directions causes spin-ups by standard mechanics (like gears), so charge is being spun up from infrared to X-ray. I have already shown this mechanics in many previous papers, and [we see a similar spin-up with comets](#), with the shining and [very hot upper atmosphere of Uranus](#), and so on. [We also see it at the nuclear level with elements like Iron, since it is this same process that creates magnetism itself.](#)

The problem is, [the mainstream buried the real charge field back in the time of Maxwell and has never realized what it is since then](#). As Maxwell's D-field, it was just an underlying thing that made EM work out, but that Maxwell never bothered to assign to anything. It was a ghost field in 1860 and still is. Bohr buried it deeper in the 1920s, not only forbidding anyone from studying it, but actually conflating it with the electron's field. Yes, [Bohr actually conflated simple variables in his equations](#), mistaking the photon for the electron and gumming up nuclear physics for a century. So you see why he would be forbidding you from looking closely at his physics: if you do you realize what a bumbler

he always was. Same for all the other famous physicists of the 20th century, who were always shooing you away from asking them questions or expecting things to make sense. It was protectionism, pure and simple. Shame the students into obeisance.

Another thing this new data from eROSITA does is confirm and fill out [my Solar Cycle prediction](#). As you can see in the graphic under title,

The highlight of this work features the discovery of a new interstellar tunnel towards the constellation Centaurus, potentially joining our LHB with a neighbouring superbubble.

Notice the direction of that tunnel in the graphic. It is at about 8 o'clock, isn't it? That is where I found the strongest channel from the galactic core, though I wasn't initially able to explain it. From the raw data, I was able to see that the Solar System was aligning the Solar Cycle to that coordinate. How? Because the big maximum in 1958 was pointing right at it. Pretty easy. In response to questions on that, I proposed that the main line of charge wasn't coming on a straight line from the galactic core, it was coming in on charge streams caused by heavier lines of matter between here and there, just as you would logically expect in a theory of charge channeling. Well, the mainstream is now confirming that, showing you exactly how it is done as they map the local field.

At the end of the article, we find this:

‘Another interesting fact is that the Sun must have entered the LHB a few million years ago, a short time compared to the age of the Sun, remarked Gabriele Ponti, a co-author of this work. ‘It is purely coincidental that the Sun seems to occupy a relatively central position in the LHB as we continuously move through the Milky Way.’

Everything's always a coincidence with these people. But it is very unlikely that it is a coincidence we are living in a warm bubble in the galaxy. You would expect to find life in the middle of a warm bubble like this, wouldn't you? So the odds were actually hugely in favor of a scientist on a warm planet finding his planet and star were in the middle of a warm bubble. Which is the opposite of a coincidence. It isn't anthropomorphism, either, it is just logic.

I will finish by reminding you that this local hot bubble story and data conflicts mightily with the mainstream's claims space has no temperature, as we looked at in my previous paper entitled [“NASA is Actively Hiding the Temperature of Near Space”](#). One moment we see Neil Degrasse Tyson telling us space has no temperature, and the next we find the Max Planck Institute telling us we are living in a warm bubble caused by a million-degree plasma somewhere. So which is it, guys?

I finally noticed this brings up a broader problem, and perhaps another lack of continuity in the mainstream account of things. If the Sun entered this Local Hot Bubble just a few million years ago, it would seem to undercut the dinosaur story, since the dinosaurs lived about 200 million years ago. Seems strange that things were so much hotter back then, before the Sun entered this warm bubble in the galaxy, doesn't it?