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*"The views expressed by others are not necessarily shared by me personally but all views and perspectives are respected"*



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Both responses from the Bureau of Meteorology - Feb 9th and Feb 23rd 2010

----- Original Message -----

From: "Tony Baxter" <T.Baxter@bom.gov.au>  
To: Colin Andrews  
Sent: Tuesday, February 9, 2010 2:03:44 AM GMT -05:00 US/Canada Eastern  
Subject: RE: Strange geometries on national radar - Please help.  
[SEC=UNCLASSIFIED]

Hi Colin

Thank you for your query regarding the Bureau's radar services on the web. As you are probably aware, weather watch radars are prone to interference from various sources and other environmental effects from time to time. Also, as a result of a number of queries similar to yours we are investigating if any of our radars has recently experienced significant communication issues.

For your benefit I have attached information which describes some of the unusual images that you may have experienced in recent times through the Bureau's website.

Thanks again for your interest in the Bureau's radar services.

Regards  
Tony Baxter  
Bureau of Meteorology

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My reply asking further questions:

Dear Tony,

I very much appreciate your detailed reply and don't wish to be a burden with a further request.

Is it possible I could see maintenance logs when available from the individual radar stations that would confirm or otherwise any or all of the radar effects I have shown you and that exist on my website article about these :  
<http://colinandrews.net/Cloud-Radar-Circle-Australia-2010-0116.html>

You speak of other frequencies may be interfering with your own. Is it not possible that these could be from classified work you have not been privy to?

Would you be aware if HAARP global network was involved?

Is it also possible that the unusual glut of radar anomalies was caused by classified work?

Would you tell me if you knew it was ?

Here are some observations and points raised by an Australian citizen who is in touch with me about the situation and I wonder if you wouldn't mind to comment about them - thanks Tony :

1. The dust / insect thing is not relevant here.

2. To achieve a display range to 512km the radar is required to sweep three times at a slightly lower elevation at each step to accommodate for the curvature of the earth. This ensures the beam is approximately the same height above the surface out to a distance of 512km. This adjustment is termed range normalisation. If the radar receiver setting is too sensitive at one of the elevation settings a donut pattern results from background noise from the returned signal. The problem is rectified by a technician reducing the sensitivity for the affected elevation setting.

I'm not sure what this means. The 512km range to my understanding is a composite view: data from more than one radar? Is the range for each radar 512km?

Also if you check my email to you "Perth" 8/2 the abnormality was seen only on the National Radar, not any other radar.

Note: BOM hasn't said whether this has been found to be the issue with at least one of the donut patterns. And: As they only appear for a very short time, are they detected and corrected immediately?

3. The line echo radiating toward the south east from the Melbourne Airport radar toward Bass Strait results from interference from another radio source that is unknown. The other source could possibly be microwave communication or a reflection from a city building. The radar beam passes over the city to the area where the echo is displayed.

I put a ruler on my screen, the line appears to "connect" with the radar. If it was reflecting off a building I don't think it would.

Also: what about the SW line? The SW line has been more or less constant since Monday 4 Jan 2010 at about 8AM ETD (nothing for at least a week before that - that's as far as I've looked). The SE line has been there for longer.

When did the Melb Radar shut down?

4. This type of interference pattern is caused by a nearby radar transmitting on the same frequency. In the Melbourne case below a weather radar operating at the Bureau's Training Centre was used as a back up resulting in the images appearing below for a short-time.

Sounds feasible....I wonder where the training centre is, why was it being used as a backup?

I do thank you for the time this is taking but I think you will agree there are many who are concerned that something unusual is taking place here.

Sincerely

Colin

=====  
Hi Colin

Here is an update to my previous email to you on the recent radar images appearing on the Bureau's website.

For the Melbourne radar

This spiral pattern observed on the 512km composite radar for Melbourne recently was the result of interference from another radar within the Melbourne metropolitan area. Staff were performing a test on a radar at a maintenance facility. Typically this does not cause a problem because the frequency of the radars can be offset, however in this case the radar was tested at an operational frequency. The frequencies of the two radars were close enough to cause interference with the Melbourne Airport radar image. The problem was detected and rectified.

For the Townsville radar

Typically low level noise or clutter, as was observed in the Townsville images recently can have a variety of sources. These include reflections off buildings or other tall structures including wind turbines; unusual weather phenomenon such as temperature inversions or radar echoes from sea spray. They can also be caused by operation of local transmission sources in nearby frequency bands. These, in particular, are of concern to the Bureau of Meteorology, but are difficult to track down on a case by case basis. To prevent these issues the Bureau of Meteorology is an active participant in national and international for a for the management of electromagnetic spectrum encouraging the recognition of the importance of weather radar and other meteorological observations.

regards  
Tony Baxter  
Bureau of Meteorology  
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Hello Tony,

I do really appreciate your response, especially as I know that my research via my website has aroused much of the interest about the various artifacts seen over the last month on your radar system.

I do not want to continue with a bombardment of questions but simply to ask:

Why in your opinion are there so many radar stations effected by these various interferences in the last month? Why not before and why are they continuing?.

The Broome site almost continuously shows precipitation and deep cloud cover on local radar while the satellite shows nothing at all? Why is that?

When you have a moment I would value your reply to these points:

If you would wish to view the latest updates about the BOM radar and have further comments I would be pleased to receive them. I think all that everyone is wanting is an explanation which you have addressed in part in this email - thank you:

<http://colinandrews.net/HAARP-AfterOlga2.html>

By the way, fascinating effect on clouds during the latest NASA Launch:

<http://colinandrews.net/CapeCanaveralCloudRipples.html>

Best wishes

Colin

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