[madar-network] Node 207 - Possible Hit

20 messages

Josh Rutledge <spocktology@gmail.com> Mon, Mar 31, 2025 at 11:36 AM
To: MADAR Network <madar-network@googlegroups.com>

I came across the attached frame while reviewing footage from my Allsky Camera.

The object to the right is a bird, but the two other objects to the left cannot be determined. The camera takes pictures every 8 seconds. These objects were not in the frames before or after the one attached.

UTC Time of Image: 03/26/2025 01:25.30.

No alert at this time, but there was a spike in EMF.

207	2.04	status	217	3.38	26	0.98	0	2025-03-26	01:27:30.149
207	2.04	status	205	0.38	26	0.98	0	2025-03-26	01:26:30.137
207	2.04	status	208	10.88	26	0.98	0	2025-03-26	01:25:30.145
207	2.04	status	212	1.88	26	1	0	2025-03-26	01:24:30.127
207	2.04	status	211	5.62	26	0.98	0	2025-03-26	01:23:30.143
207	2.04	status	212	2.62	26	0.98	0	2025-03-26	01:22:30.131

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You received this message because you are subscribed to the Google Groups "MADAR Network" group.
To unsubscribe from this group and stop receiving emails from it, send an email to madar-network+unsubscribe@googlegroups.com.
To view this discussion visit https://groups.google.com/d/msgid/madar-network/CAPBmJ5ZAj%3DKPgC-MbyBm47Ce1R9EZrkApZz6t2gjSJg8xawYzg%40mail.gmail.com.

fran ridge <franridge42@gmail.com> Mon, Mar 31, 2025 at 12:06 PM
To: Josh Rutledge <spocktology@gmail.com>

I see only two objects. The one on the right is interesting, but I don't see any wings. This is a bird?

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1-cropped_enlargement_of_object#2.png
217K

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fran ridge <franridge42@gmail.com> Mon, Mar 31, 2025 at 12:07 PM
To: Josh Rutledge <spocktology@gmail.com>

Here's a better look at your spreadsheet.

207	2.04	status	204	2.62	26	0.98	0	2025-03-26	01:31:30.145
207	2.04	status	213	1.88	26	1	0	2025-03-26	01:30:30.121
207	2.04	status	205	2.62	26	0.98	0	2025-03-26	01:29:30.132
207	2.04	status	212	4.12	26	0.97	0	2025-03-26	01:28:30.131
207	2.04	status	217	3.38	26	0.98	0	2025-03-26	01:27:30.149
207	2.04	status	205	0.38	26	0.98	0	2025-03-26	01:26:30.137
207	2.04	status	208	10.88	26	0.98	0	2025-03-26	01:25:30.145
207	2.04	status	212	1.88	26	1	0	2025-03-26	01:24:30.127
207	2.04	status	211	5.62	26	0.98	0	2025-03-26	01:23:30.143
207	2.04	status	212	2.62	26	0.98	0	2025-03-26	01:22:30.131
207	2.04	status	207	1.88	26	0.98	0	2025-03-26	01:21:30.151
207	2.04	status	206	4.12	26	0.99	0	2025-03-26	01:20:30.135
207	2.04	status	208	5.62	26	1	0	2025-03-26	01:19:30.123
207	2.04	status	212	0.38	26	0.98	0	2025-03-26	01:18:30.129
207	2.04	status	208	7.12	26	0.98	0	2025-03-26	01:17:30.127
207	2.04	status	212	1.12	26	0.99	0	2025-03-26	01:16:30.152
207	2.04	status	208	4.12	26	0.98	0	2025-03-26	01:15:30.139
207	2.04	status	211	4.12	26	0.98	0	2025-03-26	01:14:30.145
207	2.04	status	211	2.62	26	0.98	0	2025-03-26	01:13:30.151

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fran ridge <franridge42@gmail.com> Mon, Mar 31, 2025 at 12:23 PM
To: Josh Rutledge <spocktology@gmail.com>

OK, the UTC was 01:25:30 on the 26th of March. So the sighting/camera image had to be on the 25th? Correct?

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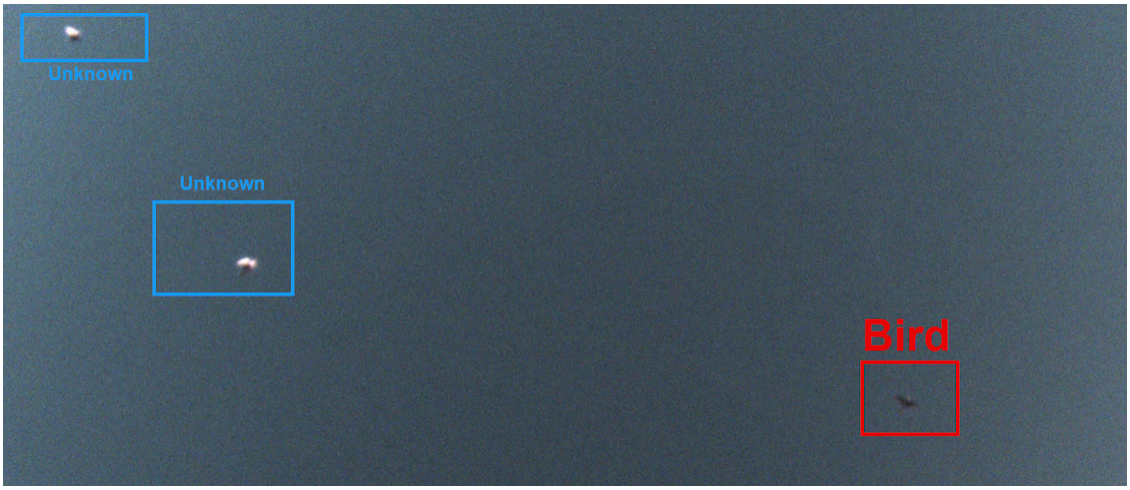
Josh Rutledge <spocktology@gmail.com> Mon, Mar 31, 2025 at 12:52 PM
To: fran ridge <franridge42@gmail.com>



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Josh Rutledge <spocktology@gmail.com> Mon, Mar 31, 2025 at 12:58 PM
To: fran ridge <franridge42@gmail.com>

Correct, 03/25/2026 @ 18:25:30 local time.

Josh
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fran ridge <franridge42@gmail.com> Mon, Mar 31, 2025 at 1:25 PM
To: Josh Rutledge <spocktology@gmail.com>

Awesome. I'm sure you got something there. What kind of camera system are you using?
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fran ridge <franridge42@gmail.com> Mon, Mar 31, 2025 at 1:58 PM
To: Josh Rutledge <spocktology@gmail.com>

Please send us pictures of your system, since allsky has all kinds of cameras and arrays.
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Josh Rutledge <spocktology@gmail.com> Mon, Mar 31, 2025 at 2:30 PM
To: fran ridge <franridge42@gmail.com>

It's a Raspberry Pi and a ZWO ASI178MC. In a project box mounted to the top of my shed which is within 10 ft of where my MADAR is inside.

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4 attachments

20250331_122734.jpg
2760K

20250331_122755.jpg
2770K

20250331_122713.jpg
2316K

20250331_122744.jpg
3127K

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fran ridge <franridge42@gmail.com> Mon, Mar 31, 2025 at 2:46 PM
To: Josh Rutledge <spocktology@gmail.com>

What did that cost you? I see the ones with 6-7 cameras, but.....

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Josh Rutledge <spocktology@gmail.com> Mon, Mar 31, 2025 at 2:57 PM
To: fran ridge <franridge42@gmail.com>

For the enclosure, dome, and a USB fan on the inside to help with cooling: $47

The Raspberry Pi i already had, but for the one I used it would be $130

The ZWO camera was the most expensive at $270.

It could be done with a Raspberry Pi camera, but the resolution is not at great.

Then the software is available for install from an open source developer.

All-in-all, it's a good setup.

Josh

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fran ridge <franridge42@gmail.com> Mon, Mar 31, 2025 at 3:01 PM
To: Josh Rutledge <spocktology@gmail.com>

I guess it needs a power source. I have my reoLinks mounted near my storage shed. That would work.

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Josh Rutledge <spocktology@gmail.com> Mon, Mar 31, 2025 at 3:04 PM
To: fran ridge <franridge42@gmail.com>

Yeah, the nice thing is the fan and the camera both power from the Pi. So I just got a 5v Pi power adapter long enough to go to a plug on the inside of my shed.

I've toyed with the idea of a small power supply charged from Solar panels. Then it would run regardless of power interruption. But we don't have many of those where I live in AZ.

Josh

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fran ridge <franridge42@gmail.com> Mon, Mar 31, 2025 at 3:20 PM
To: Josh Rutledge <spocktology@gmail.com>

Now, can you access the camera via wifi to your pc or do you have to go out and do it/

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Josh Rutledge <spocktology@gmail.com> Mon, Mar 31, 2025 at 3:22 PM
To: fran ridge <franridge42@gmail.com>

I have a website that is accessible on my local network. All the settings are configured there and the images and time-lapse are downloaded from there.

Josh

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Josh Rutledge <spocktology@gmail.com> Mon, Mar 31, 2025 at 3:23 PM
To: fran ridge <franridge42@gmail.com>

I'm working on setting up auto FTP. So that it uploads the images and time-lapse to my PC for me.

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Josh Rutledge <spocktology@gmail.com> Mon, Mar 31, 2025 at 3:48 PM
To: fran ridge <franridge42@gmail.com>

Here's a video of the interface for the camera.

AllSkyInterface.mp4

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fran ridge <franridge42@gmail.com> Mon, Mar 31, 2025 at 4:14 PM
To: Josh Rutledge <spocktology@gmail.com>

I think I can do it. Where do I begin.

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Josh Rutledge <spocktology@gmail.com> Mon, Mar 31, 2025 at 4:38 PM
To: fran ridge <franridge42@gmail.com>

https://www.instructables.com/Wireless-All-Sky-Camera/

And

https://htmlpreview.github.io/?https://github.com/AllskyTeam/allsky/master/html/documentation/index.html

Should be good to get you started.

Josh
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fran ridge <franridge42@gmail.com> Tue, Apr 8, 2025 at 10:55 AM
To: Eric Calkins <eric.calkins@mac.com>

I hope you got all of this thread. This is cool, Eric. They have 6-7 camera setups but too much money. Besides, I'm impressed with the one he has, a single camera, in b&w. If we do this, all you would have to do is ship the top section. I would build and mount the top plate on the 4" pvc.
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