



MADAR UPDATE

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Multiple Anomaly Detection & Automated Recording Update

New MADAR Sites

Node 200 at Fairbanks, Alaska, is being run by Jessica Desmond. Our latest MADAR site is node 201 at Surprise, Arizona. Richard Lynch is the operator. Arizona had three nodes prior to this, but two of the operators (ops) moved to another state, and MADAR nodes have histories and must be reprogrammed when they move to another site, even if it's the same state. One of the sites was shut down for non-compliance or lack of communication. I'm afraid that COVID has taken some of our ops.

Before I forget it, I must thank all of you, especially the ops and our tech support, who have made the last four years so successful since we went operational in May of 2018. During the last couple of years, we, on the staff side of MADAR, have been thinking about the security of the operation and the future, since none of us are getting any younger. But because of issues we have had, especially with so many nodes having unchecked control of false alarms, it has been hard to work on some things that should have been priorities. Needless to say, we are very vulnerable right now. The secret I think is individual state control of each MADAR operation. Without yours truly a state can use guidelines and actually take the helm in several important areas. And what a state does can be totally separate from what other states don't do. Here is what you can do:



Know MADAR instructions and directives.

Everyone has access to the MADAR 101 papers at http://www.nicap.org/match/MADAR_101/

I have addressed almost all of the important issues so someone in each state needs to know these instructions or where certain directives are. I'm updating all of them and renumbering them according to priorities—especially in the rotation for getting nodes operating most efficiently as quickly as possible.

Become a UFO officer.

Each state needs a “UFO officer.” I've stressed this several times and some

states have adopted this policy. The main priority here is to look for good sightings while they are fresh. Then look for MADAR hits near them. Let's face it, if the sighting isn't compelling, scientists looking at our data won't be impressed. Just having a UFO isn't enough, but at this point we are looking at convincing incidents that have a MADAR “signature.” If you find a good sighting, we will help you in a flash. The volunteer should have enough to do just doing that while they do their regular investigatory work.

Become a state MADAR coordinator.

We have a number of tools onsite ev-

ery week that are supposed to be used by ops, but since some ops don't seem to pay enough attention, we need state MADAR coordinators to get involved. I'm suggesting that states designate specific persons/volunteers to do different jobs and not have one person doing all the MADAR-related chores. Here are some tools for them:

- a) Each week I post an NOL report. If a coordinator sees a node offline, he needs to maintain communications with the op and find out why and for how long it's been offline. We can help on any issues, but an op not responding to his node being offline has to be contacted as emails many times produce no answers.
- b) If a node has had no hits in 60 days, I get a NoHit60 report, and it also goes on the site every week. But in this

case, it may just need us to lower the shield a little. But if continued lowering produces no results, it may mean the MADAR unit is bad or the power supply may be at fault.

- c) If a node is having runaway hits/false alarms (i.e., too many raw hits) and the op is not doing anything to correct it, we have a weekly and a monthly raw hit printout that shows the "offenders." Repeated issues after raising a shield or threshold or repeated high average ambients are indicative of local EM problems, either constant or periodic, and they must be addressed. Going Wi-Fi has solved many of these issues, and now we are more able to get hardwired units on Wi-Fi.
- d) Analysis. I apologize for not keep-

ing better records, but several persons have tried to volunteer to do analysis graph work, and I have lost track of them. Graphs showing raw hits versus processed hits and incident trends with states, especially those with good correlations over the last four years, would be interesting.

A special paper regarding what I have just covered will be added to the MADAR 101 index of papers so that volunteers can jump onboard as soon as they see the opportunity.

Anyone seeking particular information or other informative topics can go to the alphabetical version at <https://www.nicap.org/match/papers/>

To order a MADAR-III Dataprobe or MADAR cap, go to <https://www.nicap.org/materials.htm> ●

MAY SKYWATCH

May 6, 7: Eta Aquarids meteor shower, peak of 30–60 per hour, depending on hemisphere. From the debris left by comet Halley. Moon sets early, so good potential for viewing.

May 16: Full moon 4:15 UTC, also total lunar eclipse. Moon takes on a rusty red color during event, visible in N. Am. Eclipse map: <https://eclipse.gsfc.nasa.gov/LEplot/LEplot2001/LE2022May16T.pdf>

May 21: Conjunction of Moon and Saturn.

May 24: Close approach of Moon, Mars and Jupiter.

May 26: Lunar occultation of Venus.

May 30: New moon, 11:32 UTC.

For updates on scheduled space launches, visit <https://spaceflightnow.com/launch-schedule/>

Monthly sky maps: <http://www.skymaps.com/downloads.html>

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