

**Tim Marchok - NOAA Federal**

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**From:** Tim Marchok - NOAA Federal  
**Sent:** Monday, September 9, 2019 9:05 AM  
**To:** Craig McLean - NOAA Federal  
**Subject:** Re: Hurricane Dorian and Exceptional Service

Hi Craig,

Thank you so much for your very thoughtful message to all of us in OAR. I have been at GFDL for almost 21 years, and during that time I have focused exclusively on hurricane-related work, including the now-retired GFDL hurricane model, the GFDL vortex tracker, and recently FV3 hurricane-related projects. I have friends in the National Weather Service, and I also have a number of friends and colleagues at our sister lab, AOML / HRD, many of whom risk their lives to fly into storms such as Dorian.

As someone who is intimately familiar with how the hurricane forecasting process works, it was very difficult to watch this entire situation unfold in the media over the past week, especially the release of the "NOAA" memo on Friday. I can't tell you how much I appreciate you explaining the situation in a methodical way and reinforcing OAR Management's support for all of us who are doing the scientific work to carry out NOAA's mission.

Truly grateful for you reaching out...

All the best,

Tim Marchok

On 9/9/19 12:55 AM, Craig McLean - NOAA Federal wrote:

Dear Colleagues,

The fierce storm we know as Hurricane Dorian has concluded its ferocious path through the Bahamas and along the US East Coast. Many of you have contributed to the excellent science that has underpinned the forecasts and current understanding of storms such as this one, which accelerated quite rapidly in intensity. The storm also presented challenges in track which improved with enhanced observations. We know that our collective work, from the scientists in the aircraft penetrating the storm, to the scientists deploying the glider picket line, to the modelers and folks working the physics of the storms, across OAR and in our CI's, and across all NOAA Lines, we are working the problem in order to give the NWS forecasters the best tools we possibly can to keep America and our neighbors safe. Thank you.

During the course of the storm, as I am sure you are aware, there were routine and exceptional expert forecasts, the best possible, issued by the NWS Forecasters. These are remarkable colleagues of ours, who receive our products, use them well, and provide the benefit of their own experience in announcing accurate forecasts accompanied by the distinction of all credible scientists -- they sign their work. As I'm sure you also know, there was a complex issue

involving the President commenting on the path of the hurricane. The NWS Forecaster(s) corrected any public misunderstanding in an expert and timely way, as they should. There followed, last Friday, an unsigned press release from "NOAA" that inappropriately and incorrectly contradicted the NWS forecaster. My understanding is that this intervention to contradict the forecaster was not based on science but on external factors including reputation and appearance, or simply put, political. Our NOAA Scientific Integrity Policy and Code of Scientific Conduct make clear that all NOAA employees shall approach all scientific activities with honesty, objectively, and completely, without allegiance to individuals, organizations, or ideology. The content of this press release is very concerning as it compromises the ability of NOAA to convey life-saving information necessary to avoid substantial and specific danger to public health and safety. If the public cannot trust our information, or we debase our forecaster's warnings and products, that specific danger arises.

You know that the value of our science is in the complexity of our understanding, our ability to convey that understanding to a wide audience of users of this information, and to establish and sustain the public trust in the truth and legitimacy of that information. Unfortunately, the press release of last Friday violated this trust and violated NOAA's policies of scientific integrity. In my role as Assistant Administrator for Research, and as I continue to administratively serve as Acting Chief Scientist, I am pursuing the potential violations of our NOAA Administrative Order on Scientific Integrity. Thankfully, we have such policies that are independently cited as among the best in the federal community, if not the best. Your NOAA and OAR management and leadership team believes in these policies and principles. I have a responsibility to pursue these truths. I will.

Thank you for your continued excellent work, and your trust. Carry on.

Craig

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Craig N. McLean  
Assistant Administrator  
Oceanic and Atmospheric Research  
National Oceanic and Atmospheric Administration  
U.S. Department of Commerce  
1315 East West Highway  
Silver Spring, MD 20910  
Office: 301-713-2458

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Tim Marchok  
NOAA/GFDL [timothy.marchok@noaa.gov](mailto:timothy.marchok@noaa.gov)  
(609) 452-6534