



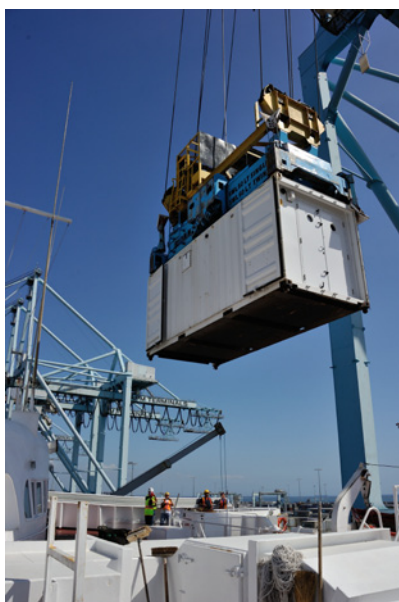
2013-10-17 update

A newsletter for non-scientists (and scientists) interested in MAGIC

MAGIC is a field program funded and operated by the Atmospheric Radiation Measurement (ARM) Climate Research Facility of the U.S. Department of Energy. The ARM MAGIC webpage is <http://www.arm.gov/sites/amf/mag>.

All previous updates and other MAGIC information can be found at <http://www.bnl.gov/envsci/ARM/MAGIC/>.

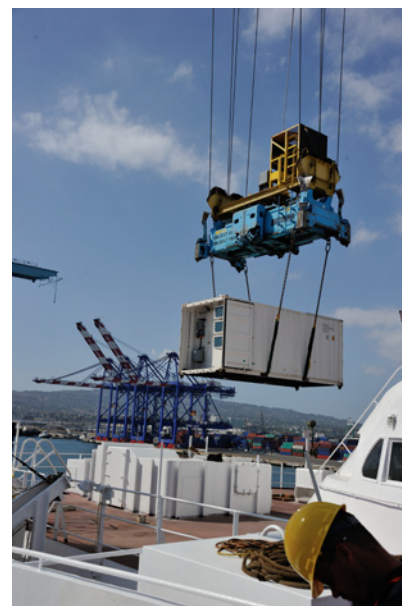
I was in Long Beach last week for the uninstal of Second ARM Mobile Facility (AMF2). MAGIC is now completely off the Horizon *Spirit*; the pictures below show the three vans being taken off the ship. It was somewhat poignant for me – MAGIC has been a huge part of my life for the last several years, and although I look forward to a bit more free time and a bit less travel, I certainly enjoyed everything about the project, including the travel, visits to Long Beach and the ship in port, and of course, time on the *Spirit*. As a former oceanographer, I will miss not being at sea. However, I'm optimistic that at some point in the future some reincarnation of MAGIC will occur on the *Spirit*, and that I will get to be part of it.



Operations van



Aerosol van



Radar van

While we were there, Nicki Hickmon from Argonne National Laboratory (she was in charge of all the logistics of the deployment), presented a plaque to the *Spirit* and one to Horizon Lines to recognize all their support in making MAGIC possible. Both Horizon Lines and the Captain and crew of the *Spirit* were absolutely great to work with from the initial contact onward. Special thanks to Mike Bohlman, former Director of Marine Services for Horizon Lines (now retired), who approved our initial request for putting

MAGIC on a Horizon ship and was supportive throughout the project, and to Mark van Houtte, Tim Close, and Peter Strohla of Horizon headquarters in Dallas; MAGIC could not have occurred without them. Thanks to Greg Stewart for ushering our containers in and out of port. Special thanks to Captains Walt Rankin and Tom McCarthy of the *Horizon Spirit*, who assisted us in numerous ways throughout the campaign and were kind enough to make us feel welcome, even though we came with LOTS of luggage (three vans and other instruments that we welded on their deck!). Thanks to the crew of the *Spirit*, especially First Mates Eric Sinkevich and Eric Fortin, who were accommodating and cheerful, despite the additional work we made for them, and to the cooks who provided such wonderful food during the times we were on the ship. Everyone involved was a true professional, and it was great sailing and interacting with them. I hope I have the opportunity to work with everyone in the future.



L to R: Mark van Houtte (Horizon Headquarters), Captain Tom McCarthy, First Mate Eric Fortin, and Nicki Hickmon

There are many others with whom it has been a pleasure to work with over the last several years on MAGIC. Nicki and Mike Ritsche and their team at Argonne have been absolutely top notch, and I will miss talking to them and working with them as closely as I did. The technicians – Pat Dowell, Brett Bersche, Mark Smith, Matt Gibson, and Tom Flannery, were all professionals whose diligence and conscientiousness allowed me to relax and know that the best possible data were being collected. They were the troops on the ground (water?) and did the real day-to-day work. This involved being away from home for extended periods, but despite that, they were positive throughout. They were also great to sail with and to hang out with in Long Beach and Honolulu. Mike Reynolds is another individual without whom MAGIC would not have occurred. He was in at the start and provided support of all sorts – logistical, scientific, and moral, and he has been a great companion throughout this adventure.



L to R: Pat Dowell, Mark Smith, Mike Ritsche, and Brett Bersche wearing Rutgers hats that Dr. Yuan Gao, who rode on the *Spirit* on Leg17 in August, 2013, was kind enough to send to thank them for their assistance in collecting aerosol samples.

There are others whom I must also mention. Thanks to Joao Teixeira of the Jet Propulsion Laboratory in Pasadena, CA, who came up with the idea of MAGIC, and Warren Wiscombe, now retired from NASA, who got me involved. Thanks to everyone at ARM, especially those at the ARM Data Quality Office and ARM Data Archive, the mentors of all the instruments, the MAGIC Science Team, and my coworkers here, for their efforts in making everything go as smoothly as it did and for their assistance and for their patience in answering my questions on all sorts of topics related to MAGIC. If there is anyone whom I haven't mentioned, my apologies, and thanks as well.

There are two upcoming conferences that have specific sessions devoted to MAGIC. At the Atmospheric System Research Working Group meeting in November there will be a few presentations by investigators who have already looked at some of the MAGIC data, and discussions of future plans, both regarding MAGIC activities and data analyses. At the American Geophysical Union Meeting in December there will be a poster session on MAGIC, and Joao and I will arrange a meeting of those involved in MAGIC data analyses, especially for using the data for model intercomparisons. I'm using this forum to advertise these sessions, in case some of the readers don't hear about them in other ways.

Until next time, remember to look up and observe the clouds when you stop to smell the roses.

Ernie Lewis  
2013-10-17

Please address any questions or comments to [elewis@bnl.gov](mailto:elewis@bnl.gov).