

AMF2 MAGIC Logistics & Operations

Nicki Hickmon

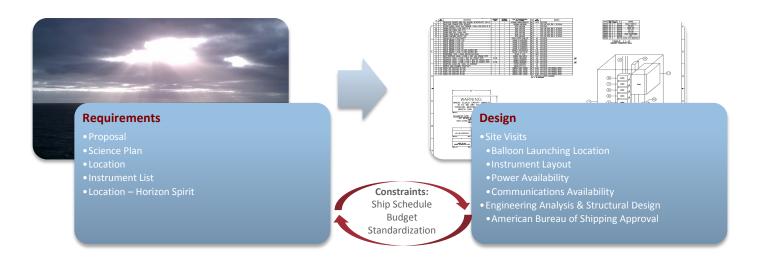
AMF2 Site Manager

Environmental Science Division

ANL



Methodology









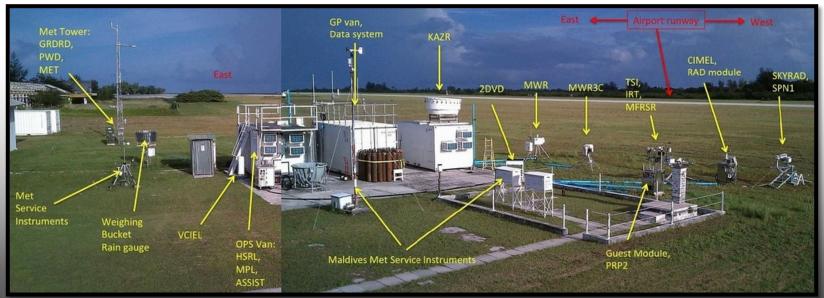
STORMVEX



Steamboat Springs, CO



AMIE-GAN



Two AMF2 Site Locations

- Airport Site
- Wharf Site (SACR)

Six Day Week Operations Seven Day Week Balloon Launching

Four DYNAMO Site Loations

- NCAR/EOL's S-POL
- TAMU operated SMART-R
- NOAA P-3
- SAFIRE F20



Addu Atoll, Maldives

Upcoming AMF2 Campaigns

BAECC



Two AMF2 Site Locations

- AOS Collocated with SMEAR II
- Main Site in Reasonable Forrested Area

One Instrumenet Site Location

SACR Radar

Seven Day Week Operations

Seven Day Week Balloon Launching

ACAPEX



One AMF2 Site Locations

R/V Ron Brown
 Seven Day Week Operations
 Highly Collaborative Operations
 Structure

2015-2016



Looking forward to interacting with YOU!!

Hyytiälä, Finland

NOAA Research Ship Ron Brown

TBD

MAGIC

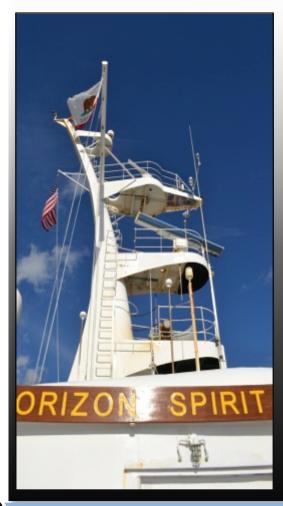


One AMF2 Site Location

- Bridge Deck Limited Space
- Extensive reinforcements with American Bureau of Shipping Approval
- 4/day Standard Operations
- 8/day Intensive Operations

Seven Day Week Operations
Seven Day Week Balloon Launching

MAGIC - Instrumentation



Baseline Instruments:

AOS

ASSIST II

BBSS

BSRWP

CSPHOT

KAZR

HSRL - Part 2

Marine MET System

MPL

MWACR

MWR

MWR3C

Parsival Disdrometers

PRP/SPN System

RPH/HPU

SeaNav - Kearfott -> IXBlue HYDRINSIII

TSI

VCEIL

Guest Instruments:

SASZE

UHSAS

Aerosol Sampler

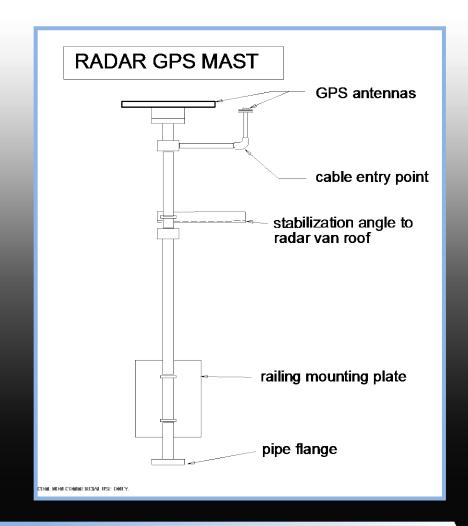




Horizon Spirit, Pacific Ocean

MAGIC - Design Example





MAGIC - Contracts

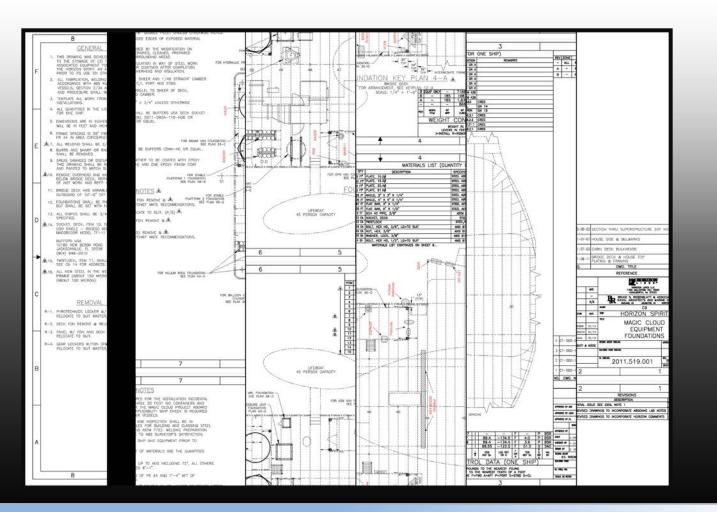


APM Terminals
Dockside Machine
Rosenblatt
Hammelman

Horizon Lines Native Energy RMR TTI



MAGIC - Layout



Horizon Spirit, Pacific Ocean

AOT Shipping

• 2 Trucks & Drivers

APM Terminals

- Clerks
- Gantry Crane Operators
- Gantry Crane Supervisors
- Longshoremen

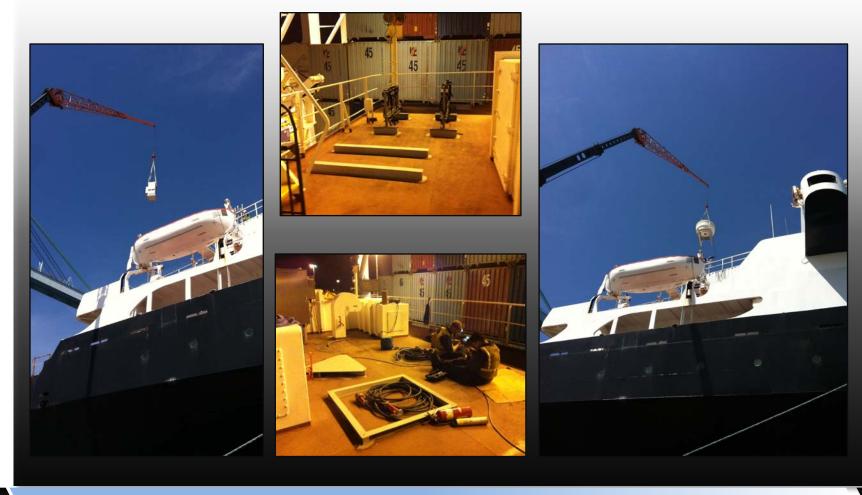
Dockside Machine

- Electrician
- 17.5 ton Crane & Operator
- 40 ton Crane & Operator
- Machinists
- Welders & Fire Watch

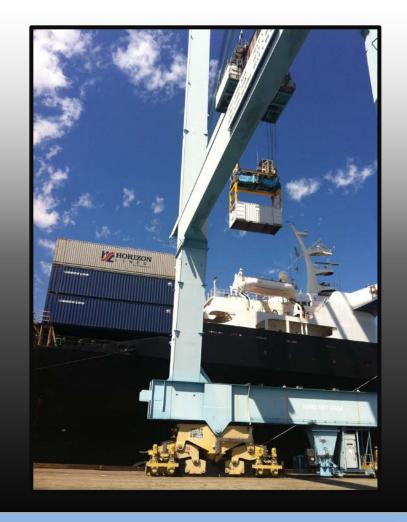


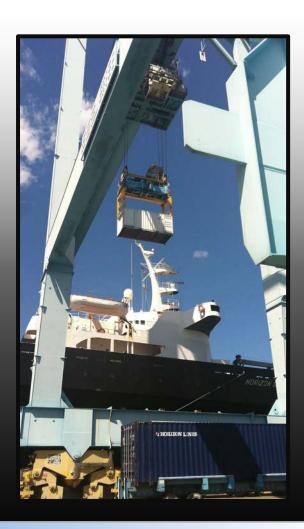
MAGIC - Shipping to the Port of Los Angeles





Horizon Spirit, Pacific Ocean



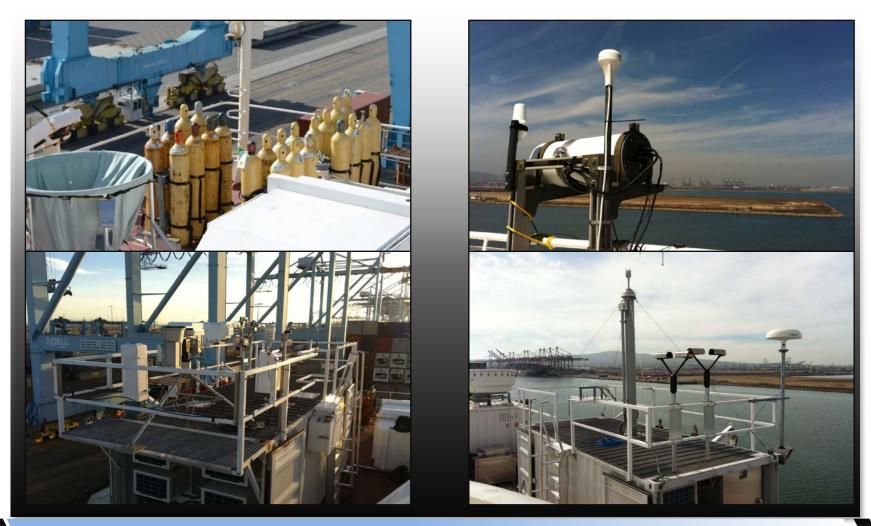


Horizon Spirit, Pacific Ocean



Horizon Spirit, Pacific Ocean

MAGIC - Operations



Horizon Spirit, Pacific Ocean



MAGIC - Uninstall





Happy Captain Equation

MAGIC - Dry Dock

Data System Server Repair
Disk Swap Upgrade
RPH Pin Replacement
HSRL Install
Aerosol Sampler Install
ASSIST II Calibration Inter-comparison
MWACR Repair



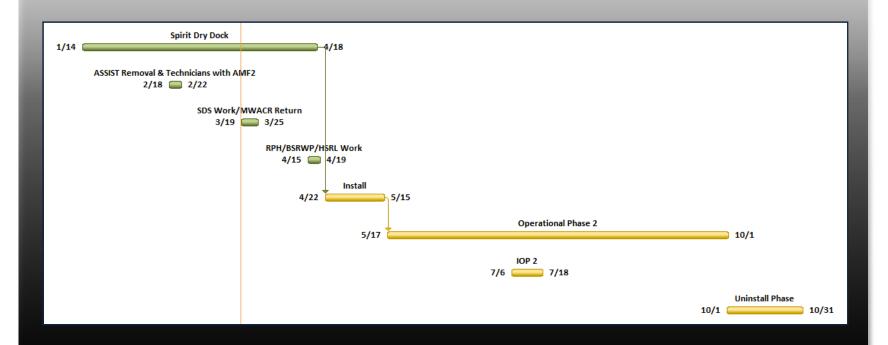




Premier Trucking & Dockside Machine

MAGIC - Timeline

Install Plan A Begins May 9, 2013 IOP July 6-18, 2013 Uninstall Begins October 1, 2013



Premier Trucking & Dockside Machine



- SDS
- DMF
- DQO
- Flexible Structure & Standardization
 - Capture flexibility for further reference
- Data flow DMF has resources, utilize them, SDS the same

Updated AMF2 Baseline Instruments

http://www.arm.gov/sites/amf/amf2

