

MAGIC Data Gone Ashore

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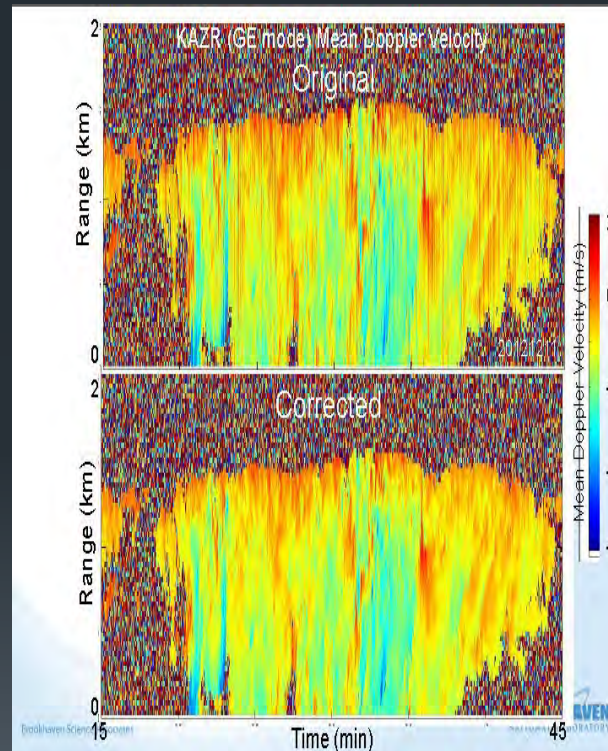
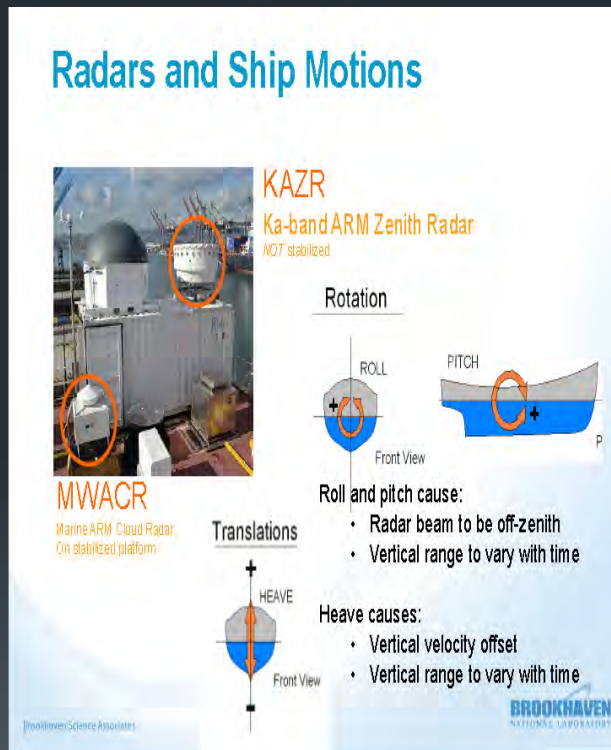
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Very important KAZR corrected data

- (magkazrshipcorM1) in evaluation area
- IOPE archive
- MWACR, RWP, VCEIL, HSRL and MPL on hold



Complete Data Sets

collected, ingested, archived



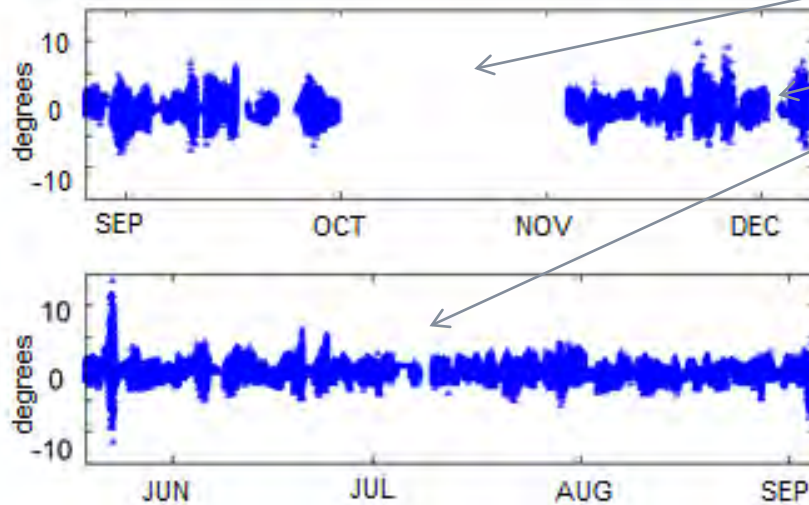
- Sonde magsondewnpnM1
- IRT magirtM1
- Sas-Ze magsaszenirM1
magsaszevisM1
- MWR magmwrlosM1
- MWR3C magmwr3cM1

VAPS and IOP instruments

- Parsivel2- magpars2BE
- PBL- magplbsonde1mcfarlM1.c1
magpblsonde1mcfarlM1.s1

Issues with nav data

Spirit Horizon Roll Time Series



big gap

many small gaps

NAV variables, date, time, lat lon, pitch, roll, yaw, heave, accelerations...

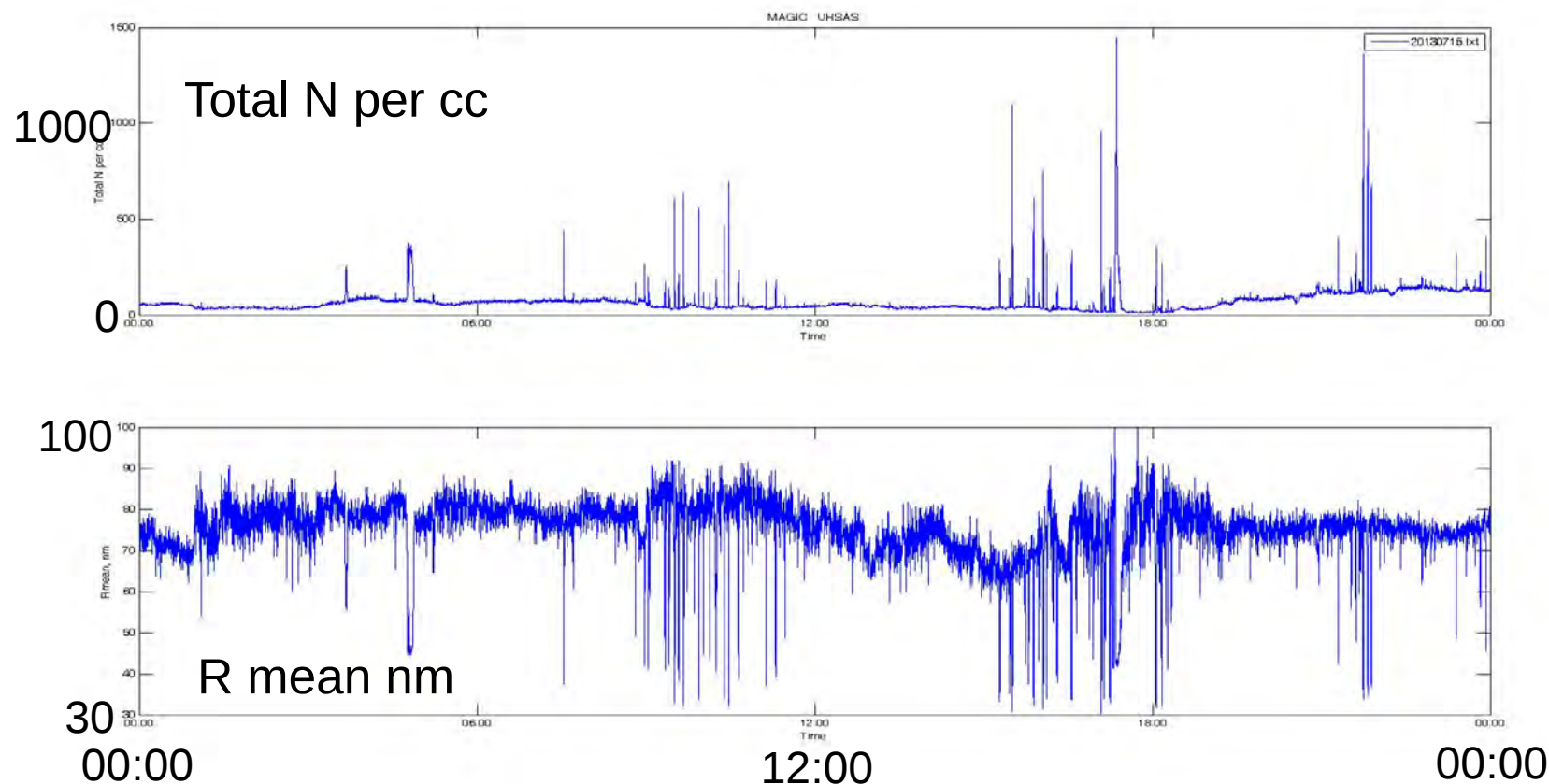


Nav Best Estimate

Translators recently approved implementation plan

- identify sources of replacement data
- determine additional variables
 - SOG, COG, leg number, beam angle, and port flag
- 10Hz and 1 minute resolutions

AOS Issues



recommendation for flagging/filtering of diesel?

- develop software for MAGIC
- apply this software to ENA data
- flag when AOS instrumentation is downwind of exhaust stack

■ VAP plans

PBL – already done

KAZR ARSCL

MWACR ARSCL

CSPHOT cloud mode

MWRRET

ASSIST filtering

MPL cloud boundaries

QCRAD, SWFanal, SWBE

IRTsst

BAF, bulk atmospheric fluxes

GEOLOC_BE > NAV

CCNPROF

METBE



ISSUES

- Time varying height fields for KAZR
MWACR, VCEIL, MPL, RWP
- Additional variables in navBE
- Other

Thanks

