YOPP-SH US Plans - Coordination

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Background

- YOPP and the ICO at AWI continue until December 2022.
- The scheduled end of YOPP-SH is December 2024 to allow time for analysis and publication of the YOPP-SH winter SOP results.
- The umbrella for YOPP-SH after 2022 is uncertain. Could be a WMO extension effort. Could be under SCAR.
- Will be seeking funding in conjunction with NCAR for experimental work with AMPS on case studies/TOPs and to implement MRI-4DVAR for optimal assimilation of satellite radiances over the Southern Ocean.
Plans

• After 2022, YOPP-SH will be supported out of the Byrd Polar and Climate Research Center.

• Expect regular virtual meetings will be held.

• Expect also to hire at least 1 undergraduate to help with the coordination.

• Facilitate analyses and publications. Special journal issue(s) will be one approach. Facilitate meetings - say special session(s) at AGU, EGU, ... Keep track of publications to show productivity.
AMRDC
AWS
YOPP-SH

Matthew A. Lazzara and AMRDC & AWS Teams
Madison Area Technical College
University of Wisconsin-Madison
AMRDC Data Repository Archive System

- Antarctic Meteorological Data Archive
- Metadata
- Digital Object Identifiers
- Integrated into the website
AMRDC - Highlights

+ New website (coming soon)
+ Return to data collection/archiving
+ Formal data repository
  + Community contributions (in the near future)
+ Real-time data distribution (via Antarctic-IDD, etc.)
+ Case study, climatological reporting, white papers
+ Community driven...discipline specific
Outline

• Meet the 2021-22 field season personnel
  • Pared down due to COVID-19 pandemic

• AWS field season plans
  • McMurdo work
  • West Antarctica work

• New server install in McMurdo through AMRDC project
Servicing from McMurdo

Higher priority:
• **Alexander Tall Tower!** – raise
• **Marilyn** – new wind, PCWS install
• **Elaine** – new wind, PCWS install
• **Schwerdtfeger** – PCWS install
• **Minna Bluff** – fix transmission issues

Lower priority:
• **Margaret** – raise
• **Laurie II** – new wind, raise
• **Vito** – raise
• **Emilia** – raise
• **Lettau** – raise
• **Ferrell** – raise
• **Siple Dome** – raise
• **Marble Pt I and II** – checkup
• **Cape Bird** – checkup
• **Windless Bight** – checkup
• **Willie Field** – checkup
AWS - Highlights

+ Small team (2) field season for 2021-2022
  + Back up team
  + Aim to get as servicing as much of the network as we can....
+ Hopeful install of PCWS to side-by-side-by-side test with NIWC and Wisconsin AWS...
+ At the crux of hardware and communications changes...