SHIP OPERATIONS COOPERATIVE PROGRAM

Business ▪ Government ▪ Education ▪ Workforce

Catalyst for Change™

SOCP 2017 SUMMER WEBINAR/ONSITE MEETING

JULY 18, 2017 (09:00 – 17:00 EDT)

Serving the Needs of the Maritime Industry through Collaboration & Innovation

EXTREME WEATHER EVENTS –TRAINING & BEST PRACTICES

Notes:

Patrick Dougan, PMI – Mariner Training Gaps

- Symbology
- Interpreting the (forecast) schedule
- How to use 500 mb chart for long range forecasting and deeper situational awareness
  - Documents out there show how
- VOS Program – Continuing to build good culture
- Guidance for mid-latitude cyclones
- Ocean Prediction Center
- Chao Mathematics:
  - Initial Condition Uncertainty ➲ Model Uncertainty ➲ Forecast Uncertainty
- Best Practices in Classroom: Turning graphics into words and meaning and understanding them, communicate to crew, Connect Wx to Curriculum, Voyage planning, Bridge resource Management, Leadership and managerial skills
- Considerations: Weather has been reserved for master

TRAINING & BEST PRACTICES (CONT)

Notes:

Rob Niemeyer, NOAA – PMO Training & Outreach

- Master & Mates, Academy Training, Trade Shows, Port Exchange Committees, Shipping Companies, Massachusetts Maritime Academy Training

- PMO Ship Visitations

- Observation Relevance

TRAINING & BEST PRACTICES (CONT)

Notes:

Lee Chesneau , Chesneau Marine Weather – Best Practices in Service Providers

- NWs Marine Program

- Forecast Verification

- Understanding Backing + Veering Winds, requires -24/+24 Hour Tracking of both low and high pressure systems from the surface forecasting charts allow

- Strongly recommend maintaining 48-hour tracking of the systems

- Frontal Boundary Symbols

- Front Character Change, Common lower latitude Symbols, Inconsistent labeling

- Present Map backgrounds, Recommending Denoting land and water contrasts, Problems downloading at sea

- Tropical cyclones, 500 mb charts, Advisory and warning systems, The Beaufort Scale, Hurricane Intensity

THANK YOU MITAGS FOR HOSTING THIS EVENT ONSITE!

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