

Curriculum Vitae

Marcus T. Ogle

Education

Institution	Location	Major/Area	Degree & Year
Texas A&M University	College Station, TX	Meteorology	B.S., 2009
Texas A&M University	College Station, TX	Oceanography	M.S., 2012
Texas A&M University	College Station, TX	Oceanography	Ph.D. Candidate

Appointments

From	To	Position Title	Organization and Location
Feb 2025	Present	Associate Director	Gulf of America Coastal Ocean Observing System (GCOOS)
May 2022	Feb 2025	MetOcean Engineer (Contractor)	Shell Global Solutions US
Oct 2015	May 2022	Senior Oceanographer	Fugro USA Marine, Inc. (FUSAMI)
Feb 2015	Oct 2015	Technical Project Manager	Exova Inc.
Jul 2012	Feb 2015	Oceanographer	Fugro Global Environmental & Ocean Sciences, Inc.

Publications

1. Velasco, D.W., **Ogle, M.**, and Leung, P. (2019). Long Range Current Measurement from a Surface Buoy in the Gulf of Mexico. In Proceedings of the OCEANS 2019 MTS/IEEE, Seattle, WA, USA, 27–31 October 2019, pp. 1–10.
2. **Ogle, M. T.**, Smith, R., Williams, B., Schiller, R., Perry, R., Leung, P., DiMarco, S. F., and Howden, S. (2019). Four Years of Metocean Support to the Shell Stones Field: From Asset Integrity to Collaborative Research. Offshore Technology Conference. doi:10.4043/29392-MS
3. Thyng, K. M., et al. (2013). Origins of *Karenia brevis* harmful algal blooms along the Texas coast. *Limnology & Oceanography: Fluids & Environments*, 3, 269-278.
4. **Ogle, M. T.** (2012). Physical mechanisms driving harmful algal blooms along the Texas coast. Master's thesis, Department of Oceanography, Texas A&M University.

Synergistic Activities

- **Regional Infrastructure Leadership:** Overlooking the operational deployment, maintenance, and data management pipelines for large-scale coastal observing assets across the Gulf of Mexico, including the successful implementation of CODAR High-Frequency (HF) Radar facilities supporting the Integrated Ocean Observing System (IOOS) "Filling the Gaps" initiative for Search and Rescue (SAR) operations.
- **International Capacity Building:** Managed the technical design, engineering fabrication, and long-term installation of high-precision tidal observation networks across United Kingdom Hydrographic Office (UKHO) territories (including Anguilla, Bermuda, Belize, and the Cayman Islands) to monitor sea-level rise and provide crucial calibration frameworks for bathymetric LiDAR surveys.
- **Science Communication & Public Outreach:** Serves as the host of the regional radio broadcast program "On The Ocean" on KAUM-FM, directly bridging the gap between advanced marine technical research and public literacy regarding coastal dynamics, weather windows, and environmental stewardship.
- **Deepwater Metocean Campaign Execution:** Directed multi-institutional project logistics for complex, real-time deepwater observation arrays, including the long-term deployment and asset integrity monitoring of the Shell Stones Wavescan buoy and deep-sea Acoustic Doppler Current Profiler (ADCP) arrays in depths reaching up to 3,400 meters.
- **Advanced Data Pipeline Development:** Standardized complex metocean data-processing protocols by architecting automated quality assurance/quality control scripts (utilizing Python, Shell, and MATLAB) integrated with high-capacity PostgreSQL databases to aggregate real-time in-situ data streams for international research consortiums.