

**CURRICULUM VITAE** (short) [Large CV](#)  
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**EDUCATION:**

1986: **Ph.D.** (Phys-Math) " Internal Wave Observations with Applications to Remote Sensing", Marine Hydrophysical Institute ([MHI](#)), Sevastopol, USSR

1981: **MS** (Phys) "High power mode-locked CW Neodymium-doped Garnet laser with intra-cavity frequency doubling", Moscow Institute of Physics and Technology ([MIPT](#)), Moscow, USSR

**EXPERIENCE:**

2001-pres: Research Scientist, Atmospheric and Oceanic Sci., [UMD](#)  
1999-2001: Visiting scientist, Atmospheric and Oceanic Science, [UMD](#)  
1988-1999: Senior Research Scientist, Remote Sensing Department, [MHI](#)  
1984-1988: Research Scientist, Department of Ocean Dynamics, [MHI](#)

**AREA OF EXPERTISE:**

- Ocean data analysis
- Ocean remote sensing

**Recent Publications (2022-2025)**

1. Grodsky, S. A., Reul, N., Bentamy, A., & Vandemark, D. (2022). Eastward propagating surface salinity anomalies in the tropical North Atlantic. *Remote Sensing Letters*, 13(4), 334–342. <https://doi.org/10.1080/2150704X.2022.2032452>
2. Yurovsky, Y. Y., Kudryavtsev, V. N., Grodsky, S. A., & Chapron, B. (2022). Ka-Band Doppler Scatterometry: A Strong Wind Case Study. *Remote Sensing*, 14(6), 1348. <https://doi.org/10.3390/rs14061348>
3. Levin, J. C., Grodsky, S. A., Vandemark, D., & Wilkin, J. L. (2022). Haline Control of Unusually Deep Winter Mixing in the Gulf of Maine Investigated

- Using a Regional Data-Assimilative Model. *Journal of Geophysical Research: Oceans*, 127(11), e2021JC018281. <https://doi.org/10.1029/2021JC018281>
4. Grodsky, S. A., Reul, N., Bentamy, A., & Vandemark, D. (2023). Anomalously fresh Chukchi Sea surface salinity in summer-autumn 2021. *Remote Sensing Letters*, 14(2), 135–147. <https://doi.org/10.1080/2150704X.2022.2164231>
  5. Yurovsky, Y. Y., Kudryavtsev, V. N., Grodsky, S. A., & Chapron, B. (2023). On Doppler Shifts of Breaking Waves. *Remote Sensing*, 15(7), 1824, <https://doi.org/10.3390/rs15071824>
  6. Grodsky, S. A., Reul, N., & Vandemark, D. (2023). Sea surface salinity response to variations in the Aleutian Low. *Journal of Marine Systems*, 240, 103888. <https://doi.org/10.1016/j.jmarsys.2023.103888>
  7. Yurovsky, Y. Y.; Kudryavtsev, V. N.; Yurovskaya, M. V; Pivaev, P. D.; Grodsky, S. A. (2024). Tropical cyclone signatures in SAR ocean radial Doppler Velocity. *Remote Sens. Environ.*, 311, 114251, <https://doi.org/10.1016/j.rse.2024.114251>
  8. Grodsky, S. A., Reul, N., & Vandemark, D. (2024). Summer Chukchi Sea Near-Surface Salinity Variability in Satellite Observations and Ocean Models. *Remote Sensing*, 16(18), 3397. <https://doi.org/10.3390/rs16183397>
  9. Grodsky, S. A., Vandemark, D., & Levin, J. C. (2025). An eastern Gulf of Maine salinity index for monitoring winter Scotian Shelf inflow and its relation to coastal and interior pathways. *Journal of Geophysical Research: Oceans*, 130, e2024JC021891. <https://doi.org/10.1029/2024JC021891>