

AMS 2025 Short Course before the AMS Annual Meeting
Satellite Applications for Rainfall Rates and Flood Prediction
January 12, 2025

Short Course description: Participants will learn about GOES-R and JPSS satellite product applications and models related to rainfall and flood events, and engage in hands-on exercises to investigate case studies using the products and models. At the end of the short course, participants will have developed an understanding of the satellite data and products pertaining to precipitation forecasting.

Time	Session Title	Instructors
8:00AM CST 8:20AM CST	Coffee / Network Introduction/Course Summary	Sherrie Morris, STC for GEO Program Office Gary McWilliams, STC for LEO Program Office
8:30AM CST	Low Earth Orbit (LEO) New Products and Applications	Jorel Torres, JPSS Satellite Liaison Cooperative Institute for Research in the Atmosphere (CIRA) / Colorado State University (CSU)
8:45AM CST	Geostationary Earth Observations (GEO) Products New Products and Applications	Stephen Superczynski, GOES-R User Services Coordinator NOAA/NESDIS/OSPO/Satellite Products and Services Division
9:00AM CST	GEO and LEO Precipitation and Rainfall Forecasting Products	John Forsythe, CIRA Dan Bikos, CIRA
10:15AM CST	COFFEE BREAK	
10:30AM CST	Hands-On Exercise Case Study	John Forsythe, CIRA Dan Bikos, CIRA
11:30AM CST	LUNCH	
12:30PM CST	Flood Mapping Products and Forecasting Inundation Extents using REOF analysis (FIER)	Dr. Hyongki Lee, University of Houston
1:45PM CST	COFFEE BREAK	
2:00PM CST	Hands-on Exercise Case Study	Amirhossein Rostami, University of Houston
3:00PM CST	EOTEC DevNet	William Straka, CIMSS/SSEC, NOAA/JPSS
3:15PM CST	Course Wrap Up	Sherrie Morris, STC for GEO Program Office Gary McWilliams, STC for LEO Program Office
3:30PM CST	Adjourn	

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11/12/2024