

SHORT COURSE ON DUAL-POLARIZATION WEATHER RADAR: PRINCIPLES AND APPLICATIONS

SPONSORED BY BARON SERVICES, INC.

25 JUNE 2008

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DENVER, CO

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AMS BOARD ON BROADCAST METEOROLOGY

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Michael Paul Alger, Emma Y. Amadeo, Daniel C. Bickford, Nancy Elizabeth Dignon, George D. Lessens,
Keith Robert Monahan, Patrick T. Powell, Jeff B. Renner, Alan R. Sealls, Tammara J. Souza and Michael S. Sublette

PROGRAM (ROOM: MAROON PEAK)

WED 25 JUNE	WED 25 JUNE
7:30 A.M. SHORT COURSE REGISTRATION OPENS	1:45 P.M. 6.) DUAL POLARIZATION RADAR OBSERVATIONS AND THE BASIS FOR INTERPRETATION FOR VARIOUS TYPES OF STORM OBSERVATIONS
8:30 A.M. INTRODUCTION AND COURSE OVERVIEW	7.) DETAILED STUDY OF RAINFALL, QPE AND HYDROMETOR CLASSIFICATION WITH DUAL POLARIZATION RADARS
8:40 A.M. 1.) INTRODUCTION TO WEATHER RADAR PRINCIPLES 2.) RADAR EQUATION FOR PRECIPITATION, REFLECTIVITY MEASUREMENTS AND THE CONTEXT FOR DUAL POLARIZATION	3:00 P.M. COFFEE BREAK
10:15 A.M. COFFEE BREAK	3:15 P.M. 8.) DEMONSTRATIONS FROM CURRENT DUAL-POLARIZATION RADAR INSTALLATIONS AND THE CONTEXT OF WEATHER SERVICE RADAR UPGRADE TO DUAL-POLARIZATION
10:30 A.M. 3.) INTRODUCTION TO THE CONCEPT OF POLARIZATION 4.) WEATHER RADAR AND DUAL POLARIZATION, TYPES OF MEASUREMENTS	9.) EXAMPLES OF BROADCAST METEOROLOGIST USE OF DUAL-POLARIZATION RADARS
11:45 A.M. LUNCHEON 5.) LIVE DEMONSTRATION FROM CSU-CHILL DUAL-POLARIZATION RADAR	4:30 P.M. DISCUSSION OF ASSIGNMENTS
	5:00 P.M. SHORT COURSE ADJOURNS