

## **An examination of rainfall amounts and timing of the Front Range Floods the week of September 9-16, 2013**

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**Abstract.** On the week of Sept 9-16, 2013 very moist air originating in the tropics both E and SW of Mexico moved northward into Colorado. Very heavy rains developed in several areas. The heaviest rains fell over about a 36 hour period from the afternoon of the 11th to early morning on the 13th but with additional rains falling until early on the 17th. Rainfall patterns, timing, duration and intensity for this remarkable storm will be shown. The heaviest rains in Boulder Creek and the Poudre River watersheds fell in the lower foothills while in the St. Vrain and Big Thompson basins heavier rains covered larger high-elevation areas. In addition, areas near Colorado Springs received intense rains including 11.85" at a weather station on Fort Carson. This will establish a new one-day rainfall record for the state of Colorado.