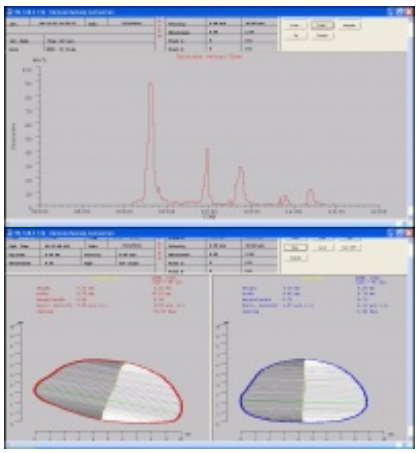
Rain drop observations underneath convection on 4/25/2011

Submitted by patrick.gatlin on Mon, 04/25/2011 - 22:17

- 2DVD

Flight Date:
Monday, April 25, 2011
Status:
Green

Three periods of convective rainfall were measured by 2dvd SN36 (located 2.6 km SSE of SGP) between 0905-1030 UTC on April 25, 2011. The first period produced a peak rainfall rate of 92 mm/hr including a few rain drops exceeding 8mm in diameter. At the beginning of this convective period, minutes before the peak rain rate, SN36 measured a drop 8.09 mm in diameter falling at a vertical velocity of 8.80 m/s and oblateness (horizontal/vertical) of 2.0.

2dvd SN36 still seems to be well calibrated for velocity, axis ratio and DSD measurements.

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