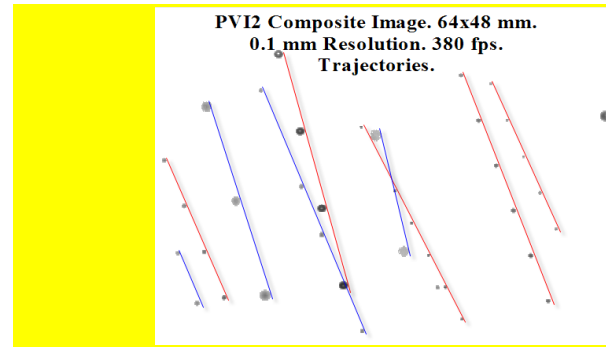


## Precipitation/SNOW Video Imager II

W Petersen, L Bliven, S Long and D Wolff. Code 610.W

GPM will measure Global Water Flux.

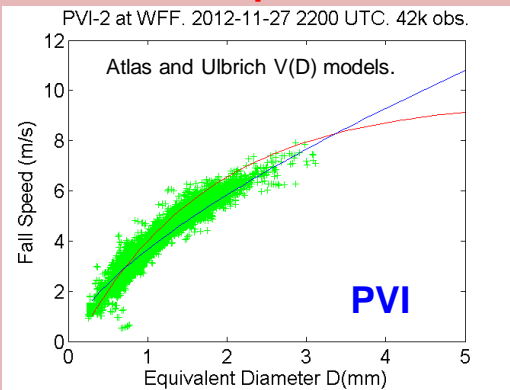
PVI-II is a new instrument for GPM Cal-Val Field Projects.  
Its high-frame-rate records of grey-scale images  
Produce particle-size and fall-speed measurements  
For Water Flux Studies.



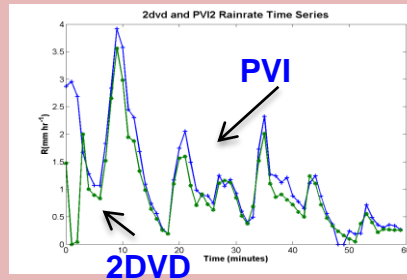
Tracking Particles Provides Reliable Velocity Estimates.

### Stratiform Rain Event. Favorable comparisons to 2DVD data and V(D) models.

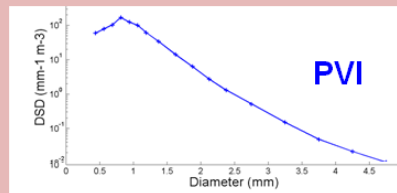
#### Fall Speeds



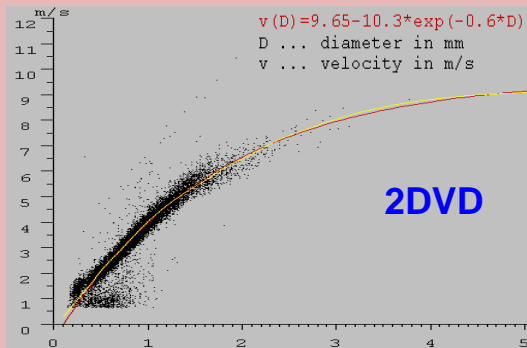
#### Rain Rates



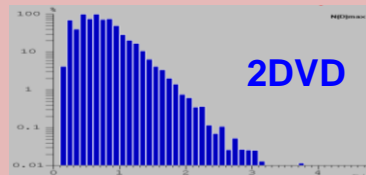
#### DSDs



#### PVI



#### 2DVD

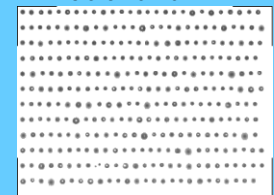
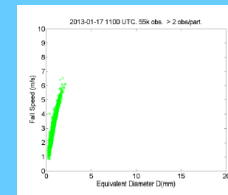


#### 2DVD

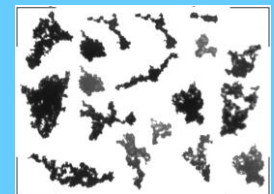
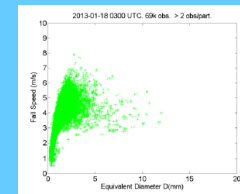
### Cold Front Passage Shows Fall-speed Variability.

#### Rain

Images are 64x48 mm. L's are 10x10 mm.



#### Wintery Mix



#### Snow

