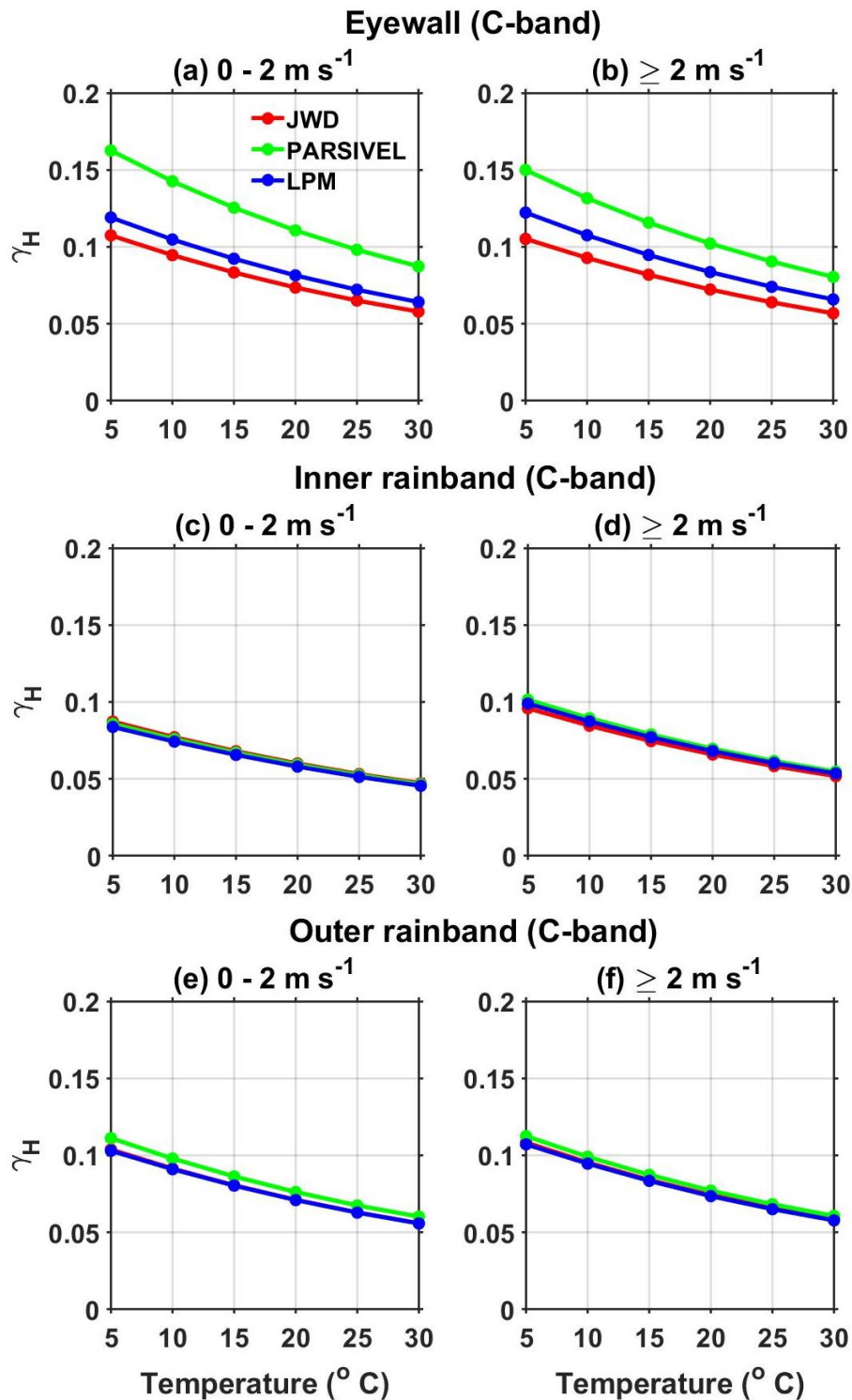


1 **Raindrop Size Distribution (DSD) during the Passage of a Tropical Cyclone NIVAR:**  
2 **Effect of Measuring Principle and Wind on DSDs and Retrieved Rain Integral and**  
3 **Polarimetric Parameters from Impact and Laser Disdrometers**

4  
5 **Basivi Radhakrishna**

6 *National Atmospheric Research Laboratory, Department of Space, Govt. of India, Gadanki -*  
7 *517112, India.*

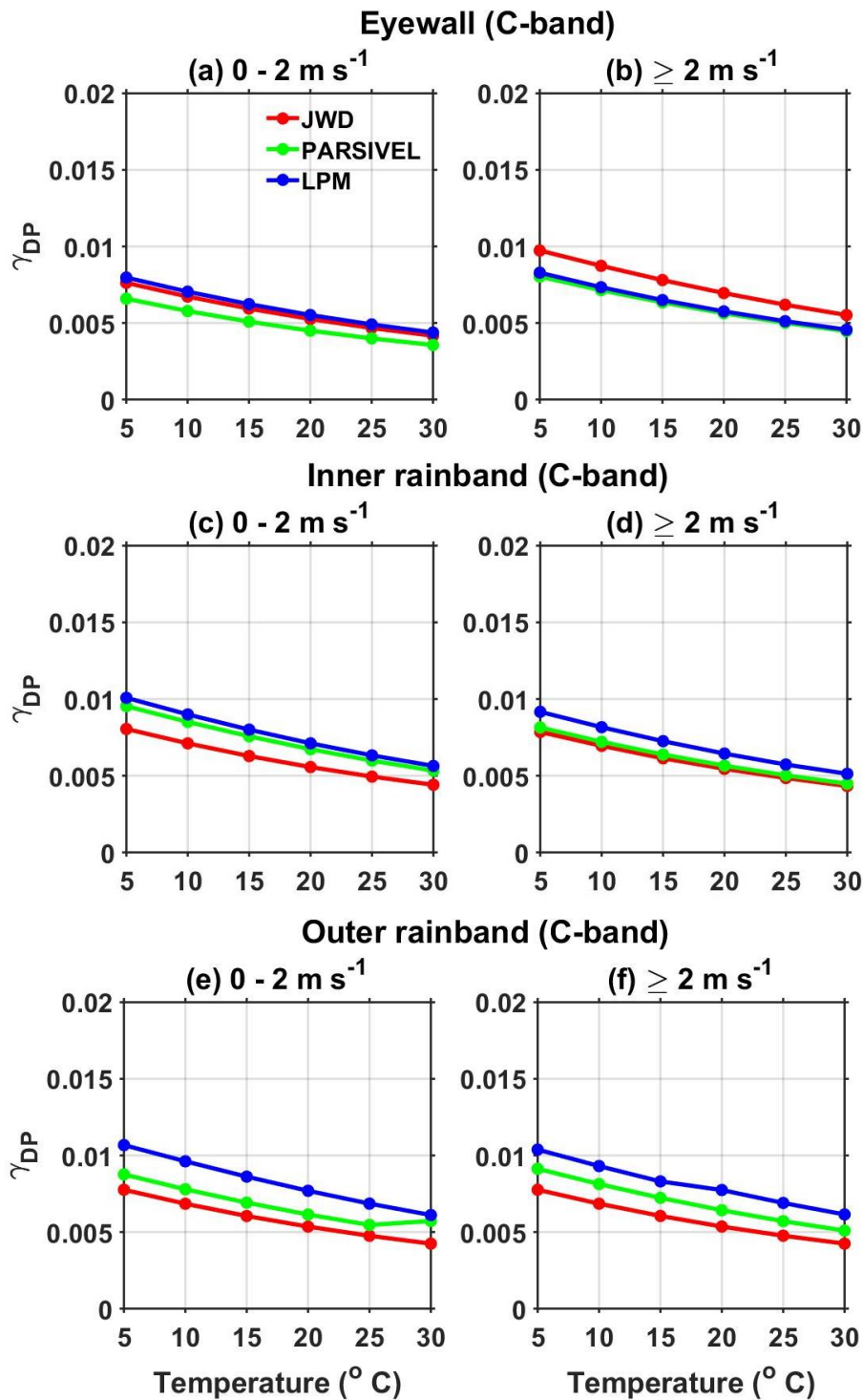
## Supplementary



34

35 Figure 1S: (a)-(c)  $\gamma_H$  as a function of temperature ( $^{\circ}\text{C}$ ) in the eyewall of NIVAR derived from  
 36 JWD, PARSIVEL, and LPM during different surface wind speed intervals using T-  
 37 matrix simulations at C-band. (d)-(f) and (g)-(i) are the same as (a)-(c) but for the  
 38 inner and outer rainbands of NIVAR, respectively.

39

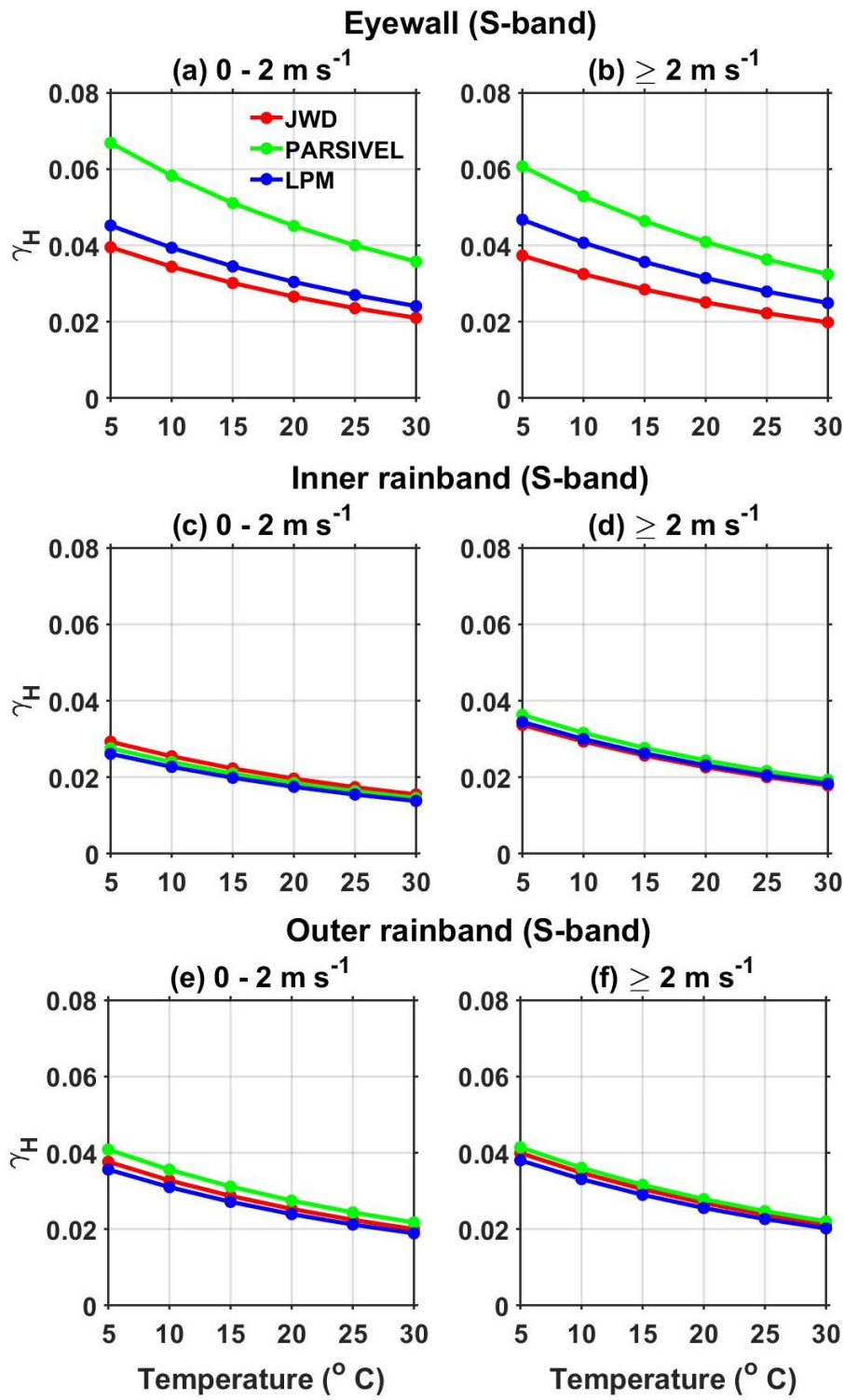


41

42 Figure 2S: (a)-(c)  $\gamma_{DP}$  as a function of temperature ( $^{\circ}\text{C}$ ) in the eyewall of NIVAR derived  
 43 from JWD, PARSIVEL, and LPM during different surface wind speed intervals using  
 44 T-matrix simulations at C-band. (d)-(f) and (g)-(i) are the same as (a)-(c) but for the  
 45 inner and outer rainbands of NIVAR, respectively.

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47



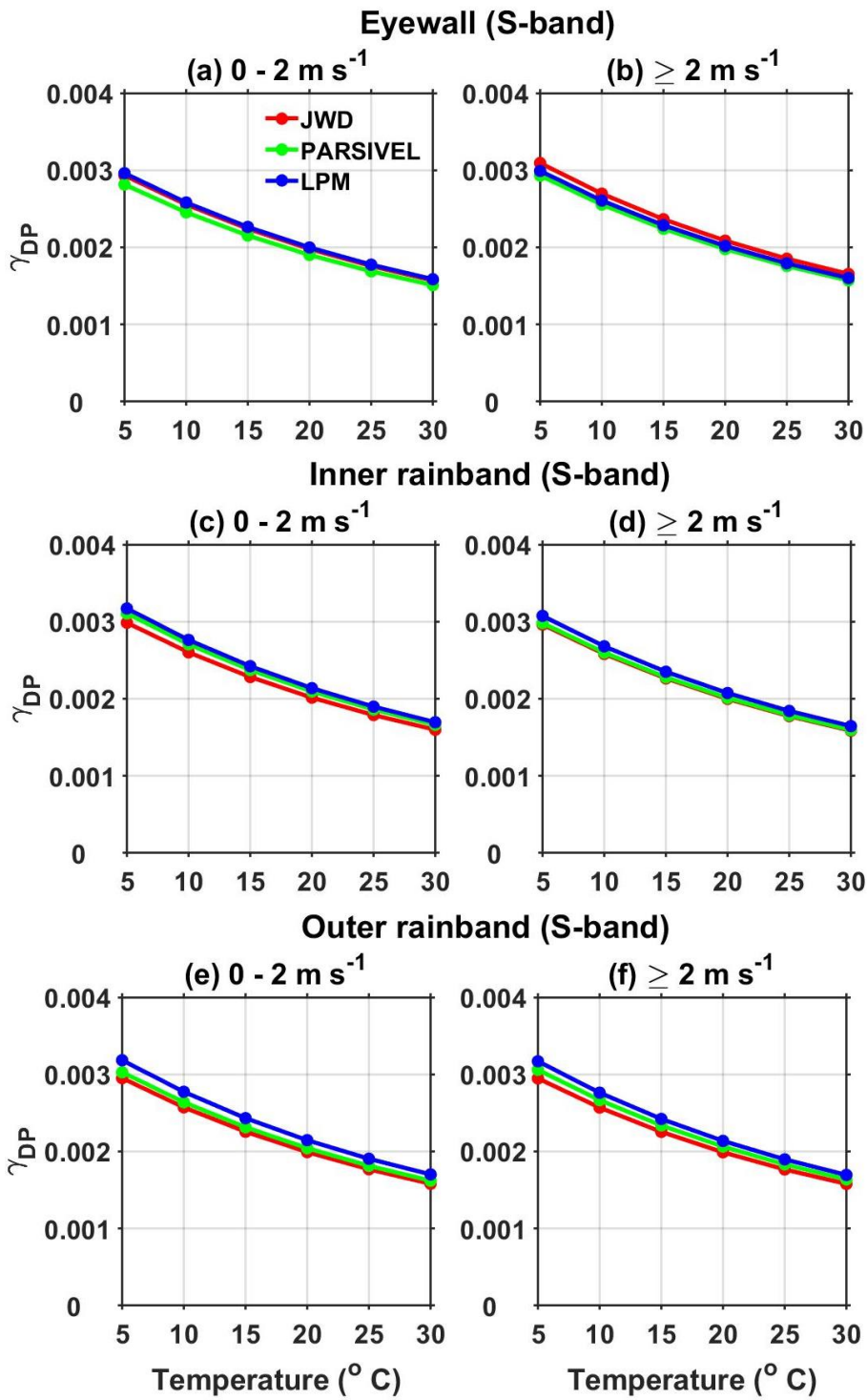
49

50 Figure 3S: Same as Fig. 1S but at S-band.

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53



55

56 Figure 4S: Same as Fig. 2S but at S-band.

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