

## Supplementary File

### **Biosphere Atmosphere Exchange of CO<sub>2</sub>, H<sub>2</sub>O Vapour and Energy during Spring over a High Altitude Himalayan Forest at Eastern India**

**Abhijit Chatterjee<sup>1,2,\*</sup>, Arindam Roy<sup>1</sup>, Supriyo Chakraborty<sup>3</sup>, Anand K Karipot<sup>4</sup>, Chirantan Sarkar<sup>1</sup>, Soumendra Singh<sup>5</sup>, Sanjay K Ghosh<sup>2,5</sup>, Amitabha Mitra<sup>5</sup>, and Sibaji Raha<sup>1,2,5</sup>**

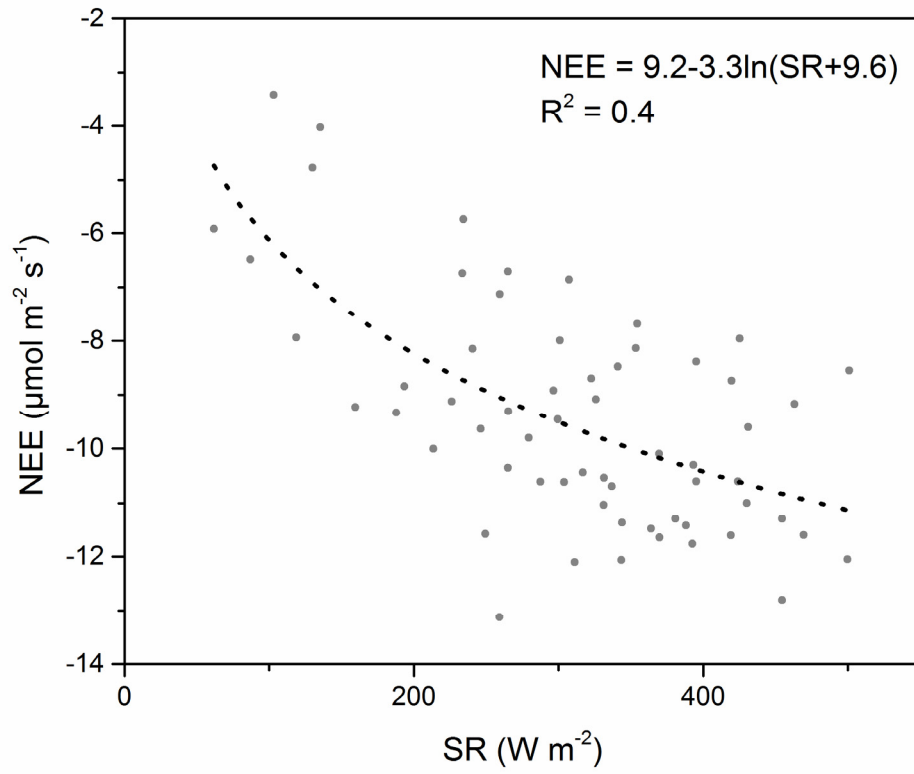
<sup>1</sup>*Environmental Sciences Section, Bose Institute, P1/12 CIT Scheme-VIIM, Kolkata-700054, India*

<sup>2</sup>*National Facility on Astroparticle Physics and Space Science, Bose Institute, Darjeeling-734101, India*

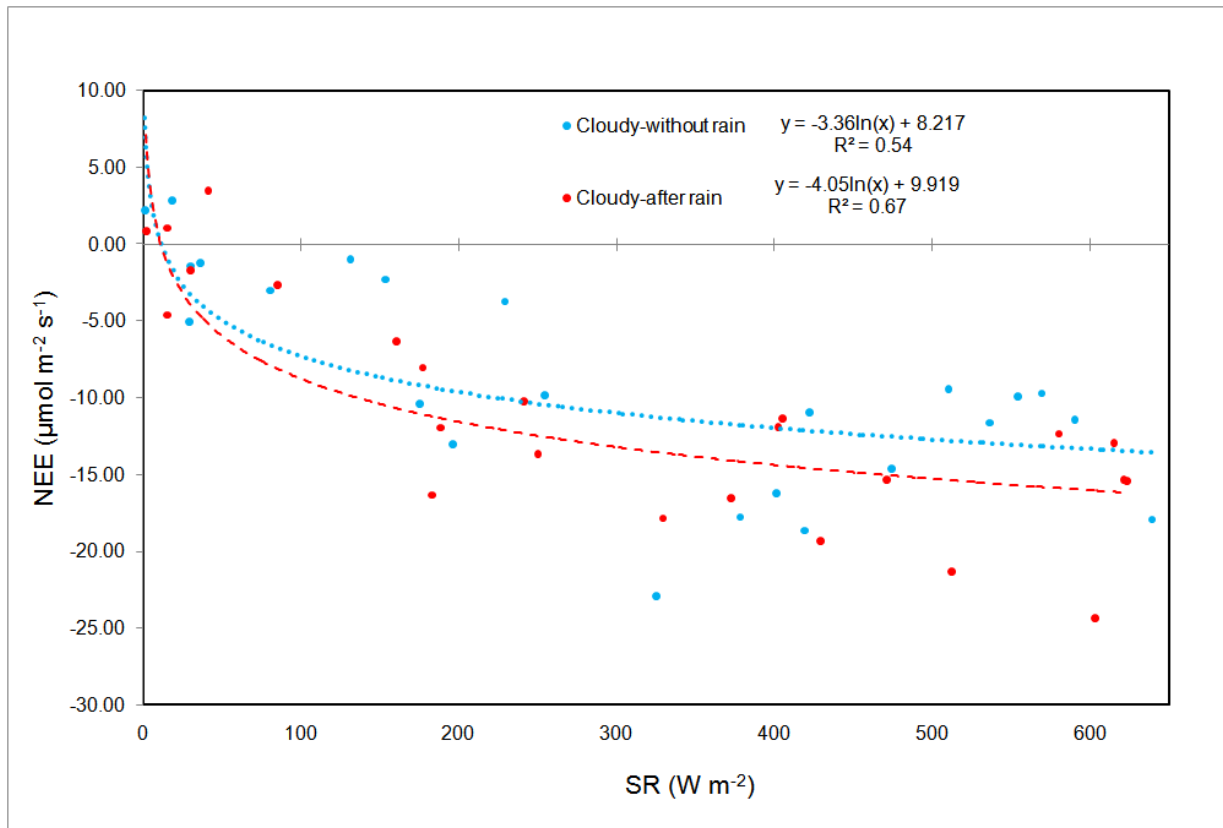
<sup>3</sup>*Center for Climate Change Research, Indian Institute of Tropical Meteorology, Dr Homi Bhabha Road, Pune-411008, India*

<sup>4</sup>*Department of Atmospheric and Space Science, Savitribai Phule Pune University, Pune-411007, India*

<sup>5</sup>*Center for Astroparticle Physics and Space Science, Bose Institute, Salt lake, Sector-V, Kolkata-700091, India*



**Fig S1: Response of NEE to the total incoming solar radiation during spring**



**Fig S2: NEE response to solar radiation during normal (without rain) cloudy days and after-rain-cloudy days**