

2014

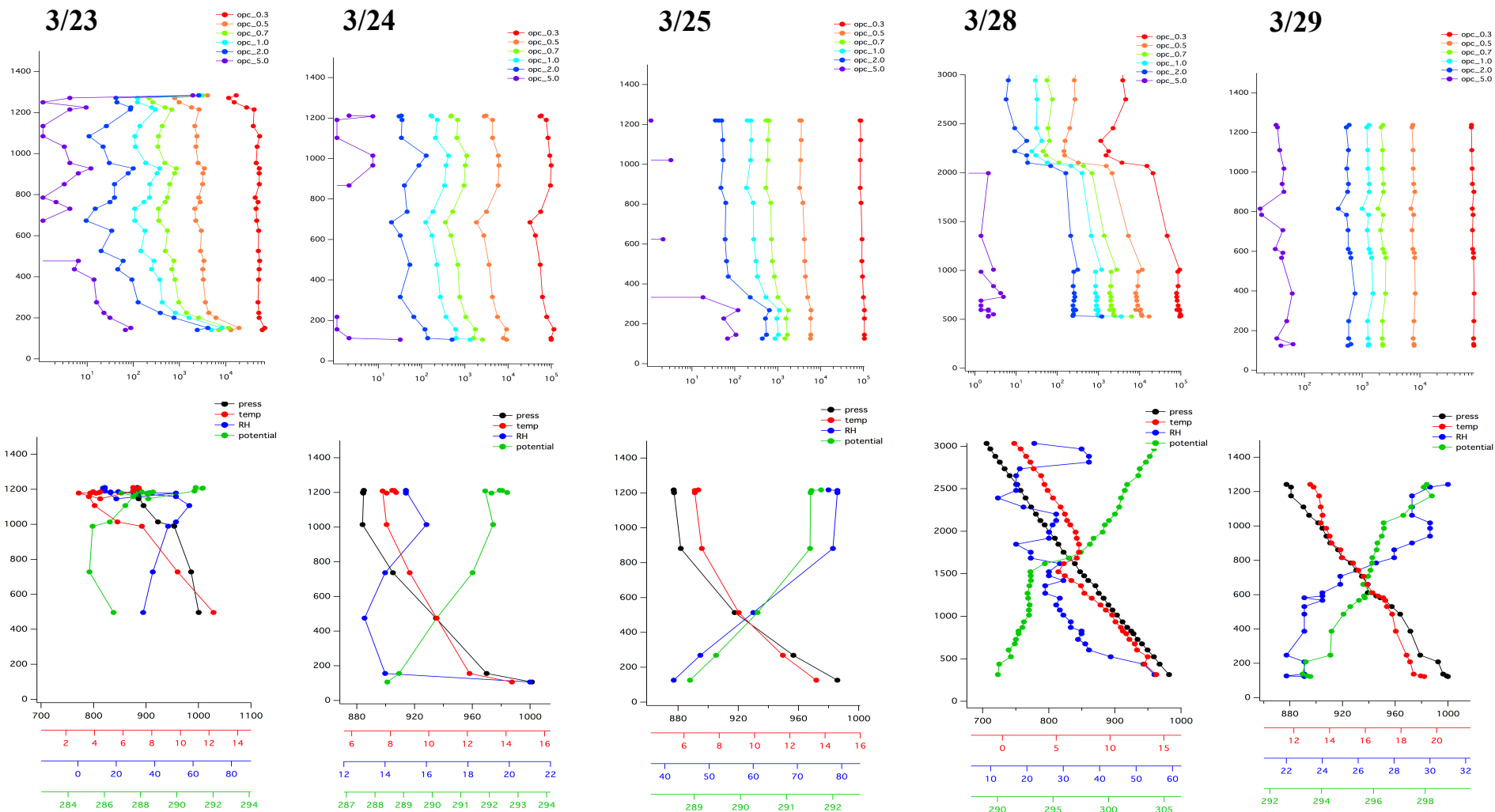


Fig. S1. Vertical changes in temperature, relative humidity, pressure and pressure-temperature, and vertical distributions of concentrations of OPC counted particles during the sampling periods on 23, 24, 25, 28, and 29 March in 2014.

2015

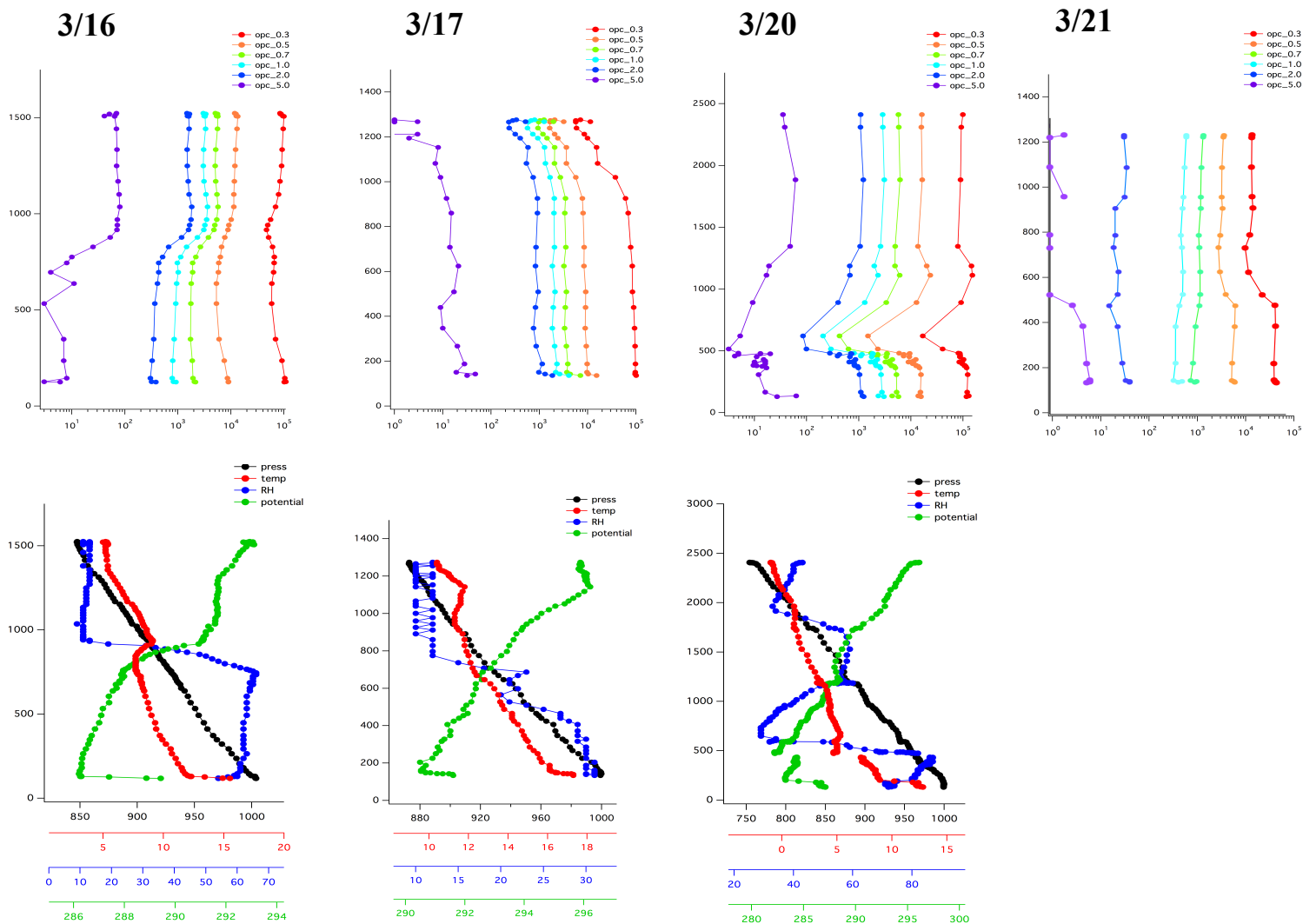


Fig. S2. Vertical changes in temperature, relative humidity, pressure and pressure-temperature, and vertical distributions of concentrations of OPC counted particles during the sampling periods on 8, 16, 17, 20, and 21 March in 2015.

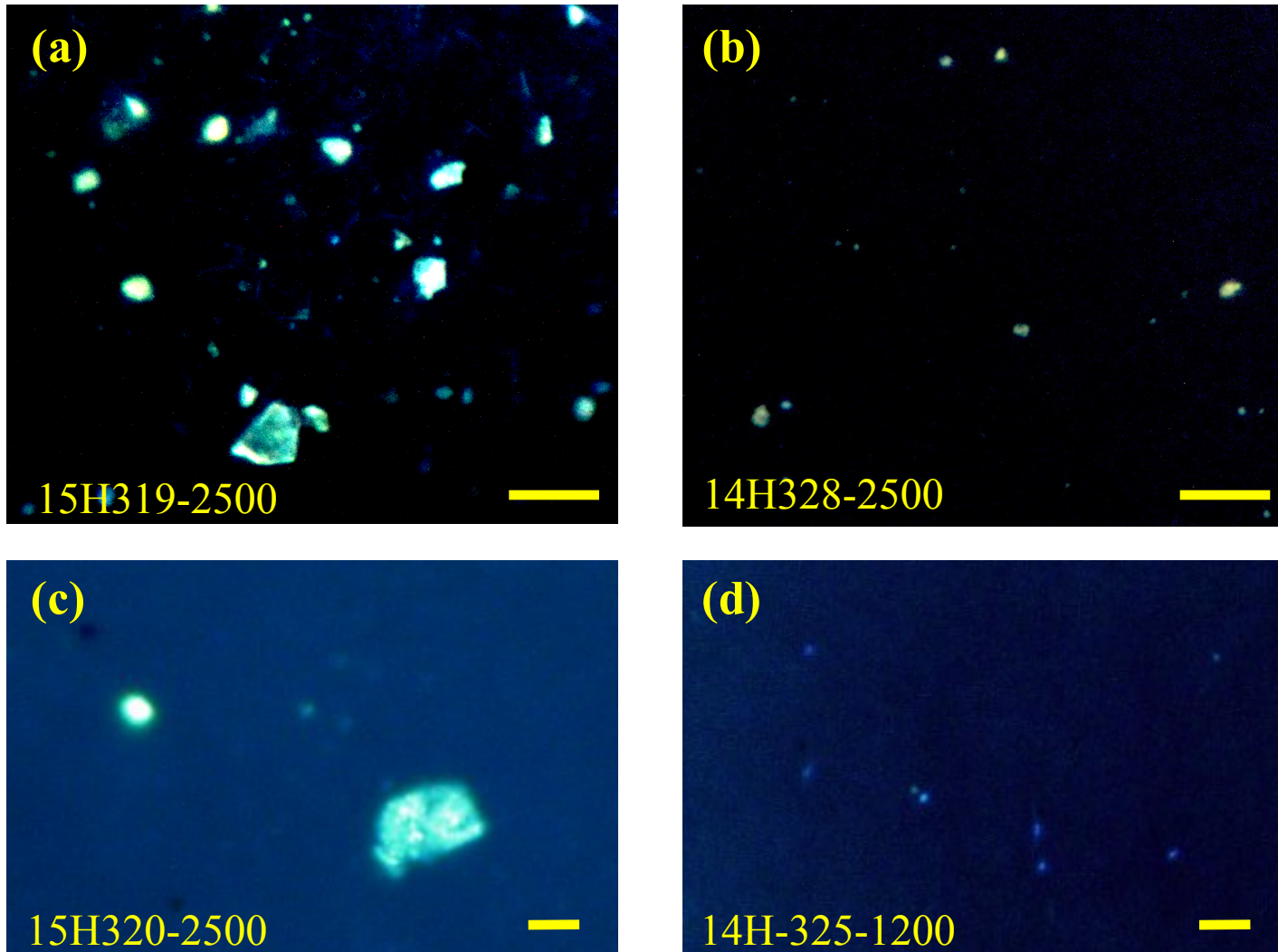


Fig. S3. Epifluorescence micrograph of aerosol particles microbial particles, yellow particles, white particles and black particles in the air samples collected at 2,500 m on 19 March 2015 (LT) (Dust samples) (a), 28 March 2014 (LT) (non-dust samples) (b) and 20 March 2015 (LT) (Dust samples) (c), and at 1,200 m on 25 March 2014 (LT) (non-dust samples) (d). All photomicrographs were taken at a magnification of $\times 1000$ (scale bars = $5\mu\text{m}$).

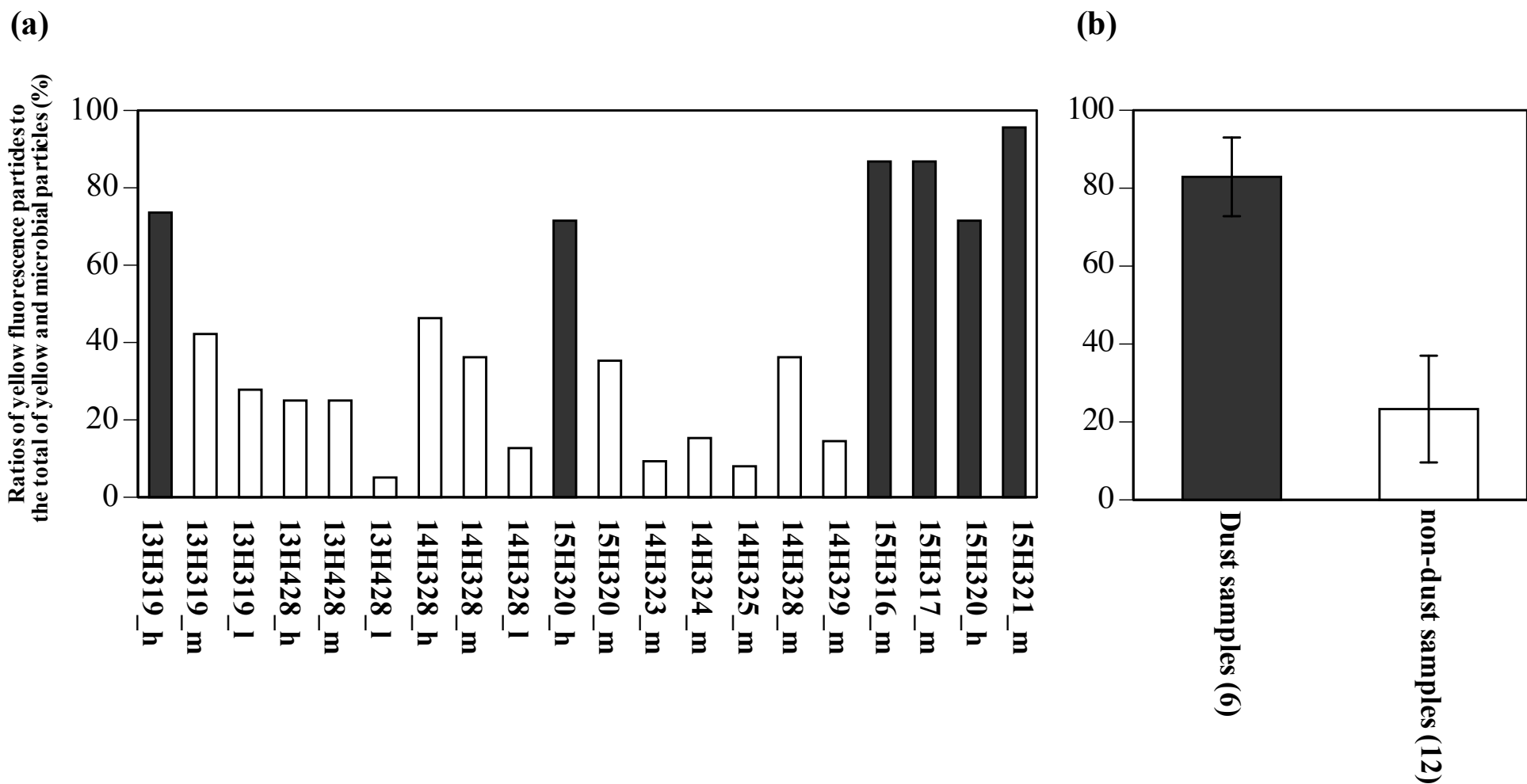


Fig. S4. Ratios of yellow fluorescence particles to the total of yellow and microbial particles in the bioaerosol samples collected at the three or two altitudes over the Noto Peninsula on 19 March 2013 (LT), 28 April 2013 (LT), 28 March 2014 (LT), and 20 March 2015 (LT) and at the altitudes of 1,200 m (except for the 500 m of 20 March 2015) over the Noto Peninsula from 16 to 23 March in 2015 (LT), and from 23 to 29 March in 2014 (LT) (a) The average ratios of Dust samples and non-dust samples (b).