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SUPPLEMENTARY FIGURE 7 | Continuous plant monitoring revealed a direct influence of natural environmental variables in the experiment canopy aspect. Fluctuations of air temperature (A), RH (B), and PAR (C) were registered by the real-time monitoring platform. Averages per datapoint and SD are shown by solid lines and the colored background, respectively. RGB images were taken from the whole experimental setup (D,F,H) and the subset of plants grown for the time-lapse movie (E,G,I). (D,E) Nearly all plant leaves rolled inward in an extreme peak of air temperature found at 47 DAS at 1:45 pm ($45.03\pm1.58^{\circ}$ C), combined with intermediate RH ($64.03\pm17.91\%$) and high PAR ($321.71\pm29.45 \mu$ mol m⁻² s⁻¹). (F,G) A contrasting event was observed at 48 DAS, when the maximum air temperature reached 28.58\pm0.98°C at 2:00 pm. Together with higher RH ($81.1\pm11.96\%$) and relatively lower PAR ($147.85\pm32.87 \mu$ mol m⁻² s⁻¹), plants presented unrolled leaves on average. (H,I) An intermediate event was found at 49 DAS at 12:30 pm, when an intermediate temperature ($39.4\pm1.43^{\circ}$ C) was observed, combined with lower RH ($52.13\pm3.05\%$) and reduced PAR ($105.26\pm18.85 \mu$ mol m⁻² s⁻¹), leading plants to express an intermediate phenotype of leaf rolling. Values expressed as the mean ± SD. RH, air relative humidity; PAR, photosynthetically active radiation; SD, standard deviation; DAS, days after sowing.