



Water and CO₂ fluxes over a cropland and degraded grassland surfaces in the semi-arid area, in Tongyu Northeastern China

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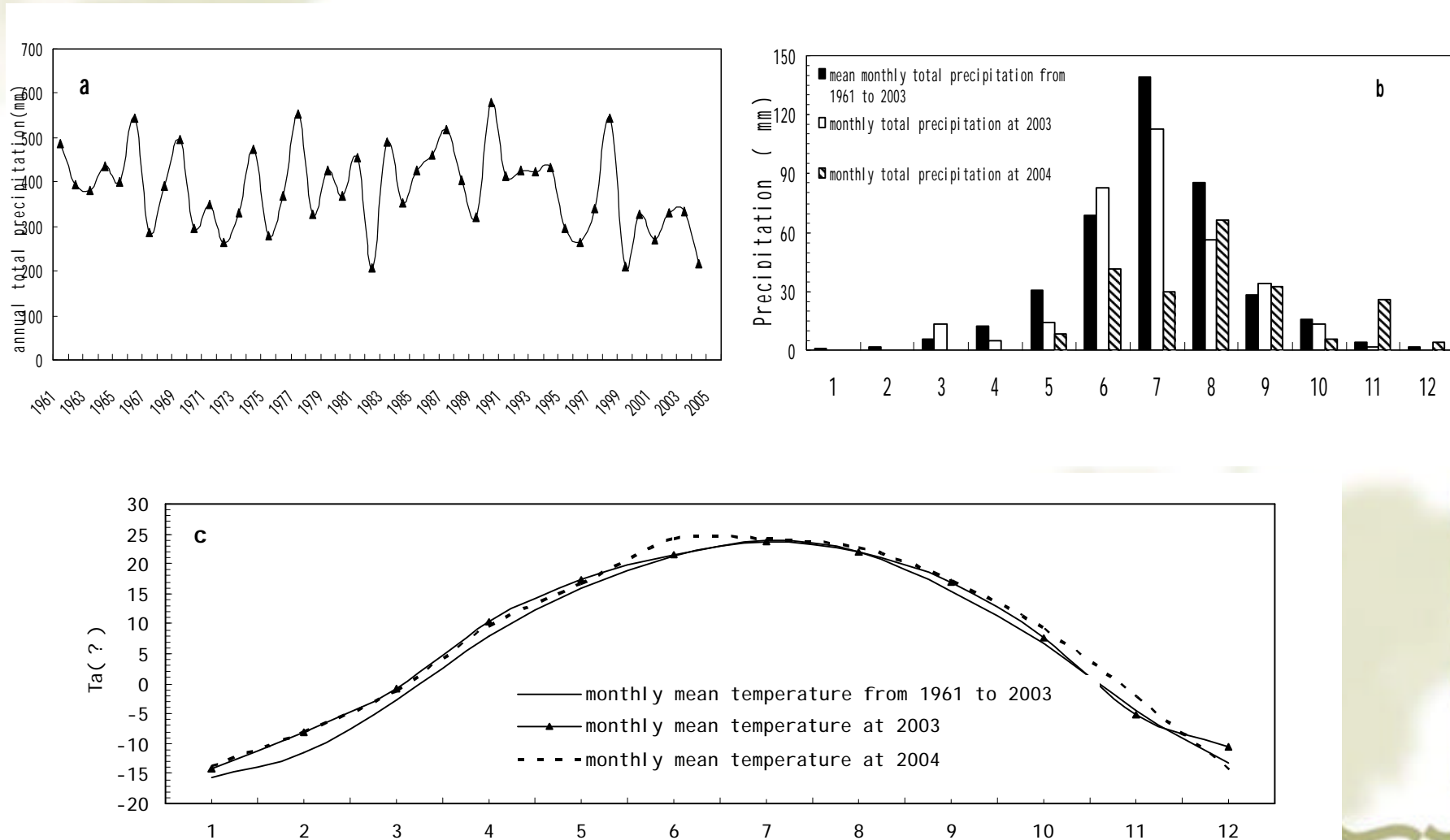
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CEOP/IGWCO, 26 Feb.-4 Mar., 2006, Paris

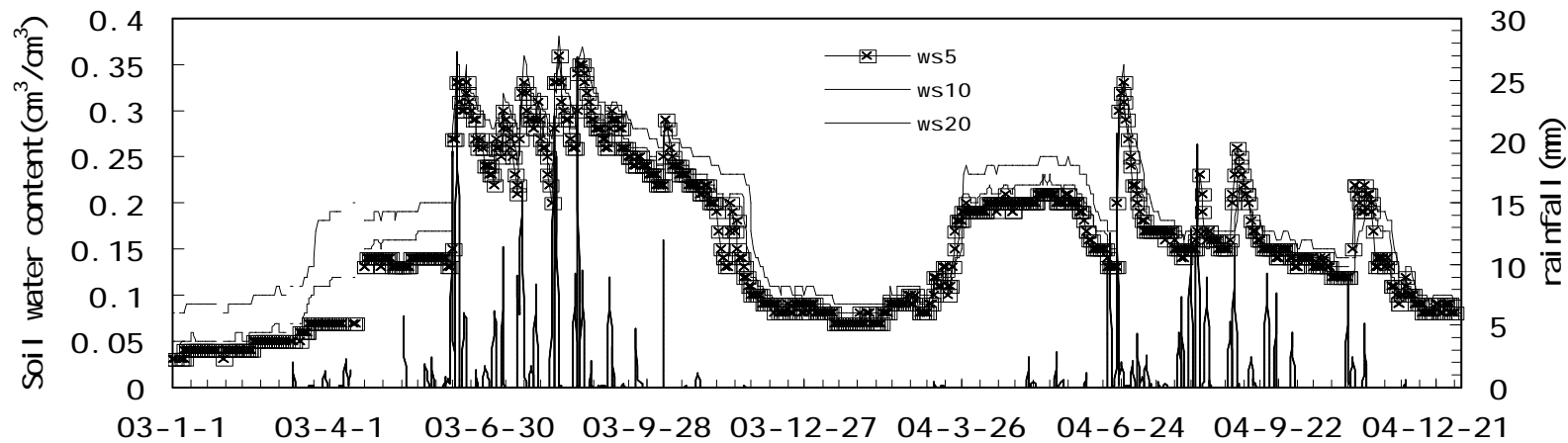
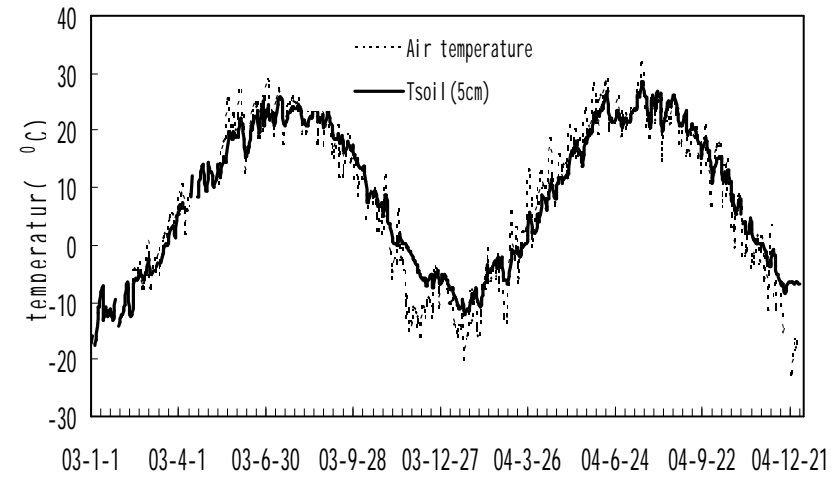
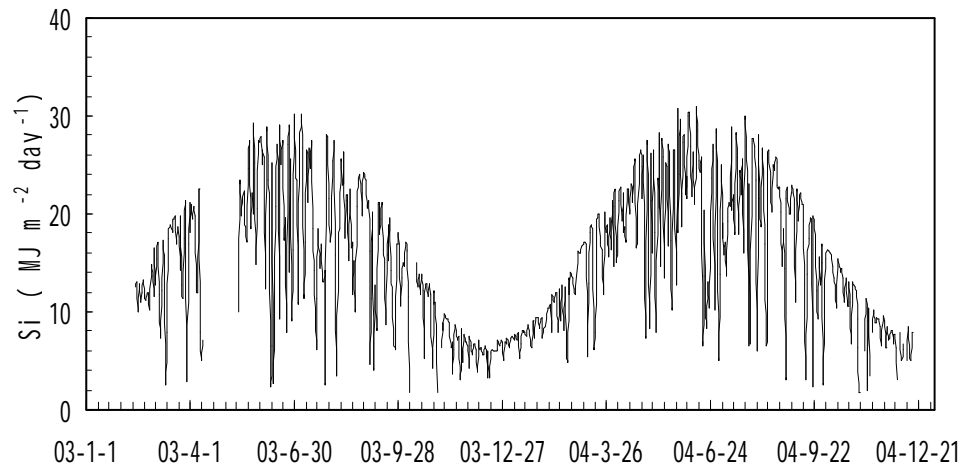
Tongyu(semi-arid) reference site, Northeastern China



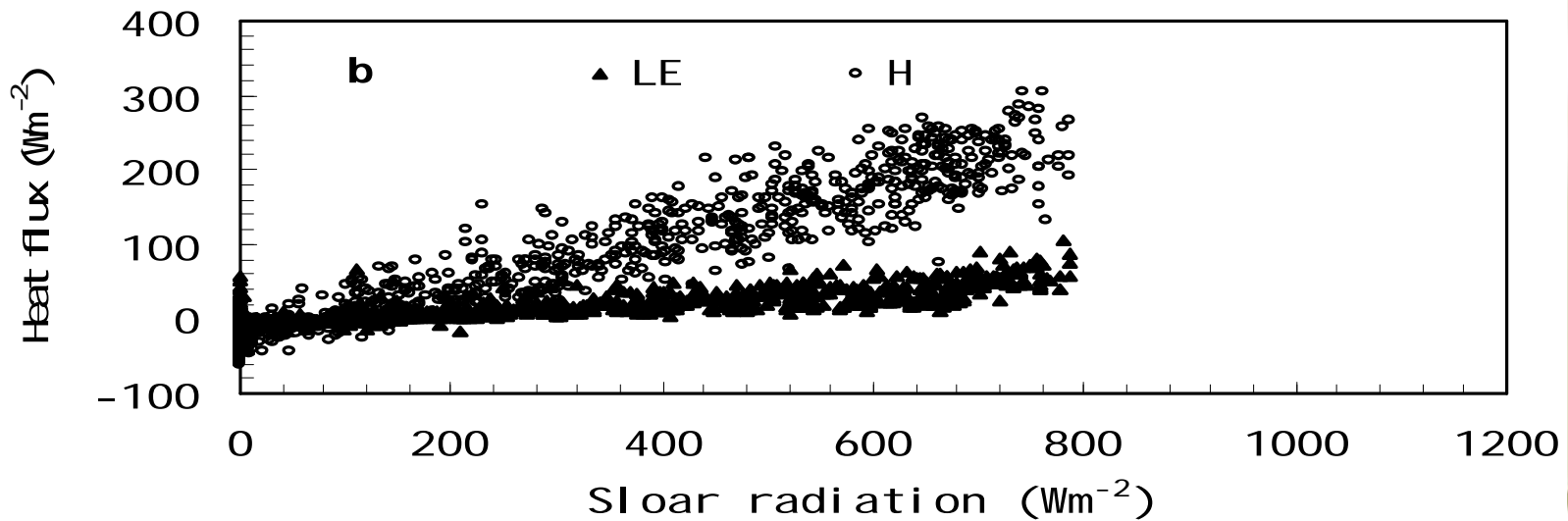
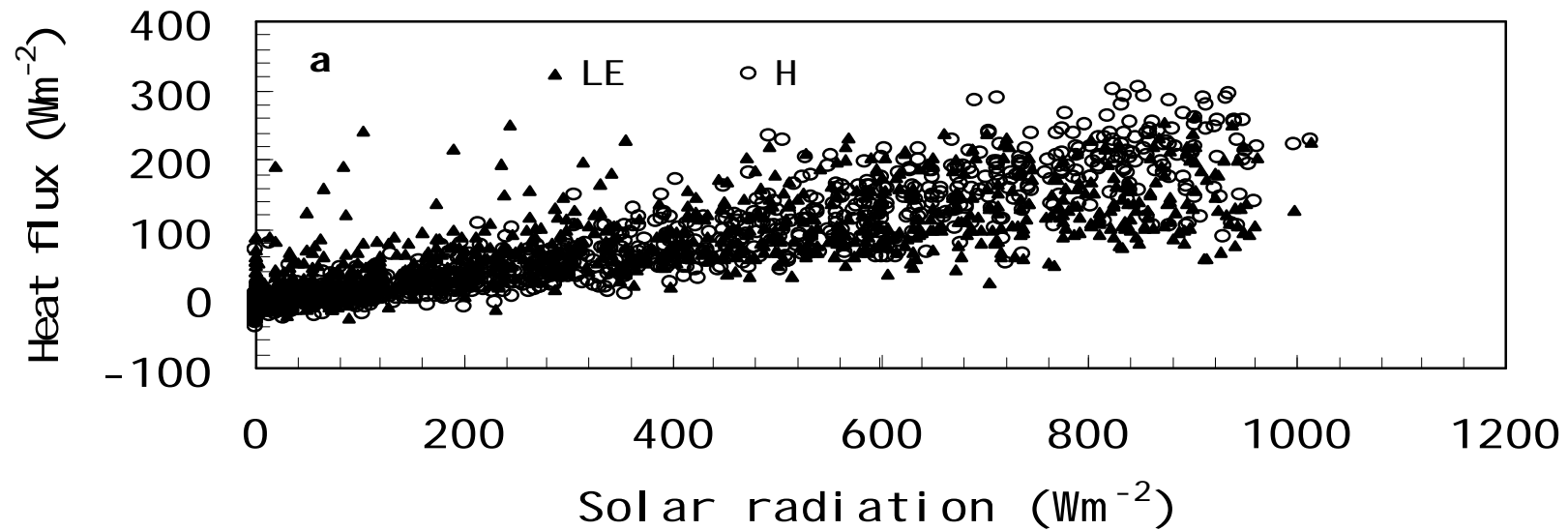
The annual total precipitation and monthly total precipitation, monthly mean air temperature for the period 1961-2004 at the Tongyu county



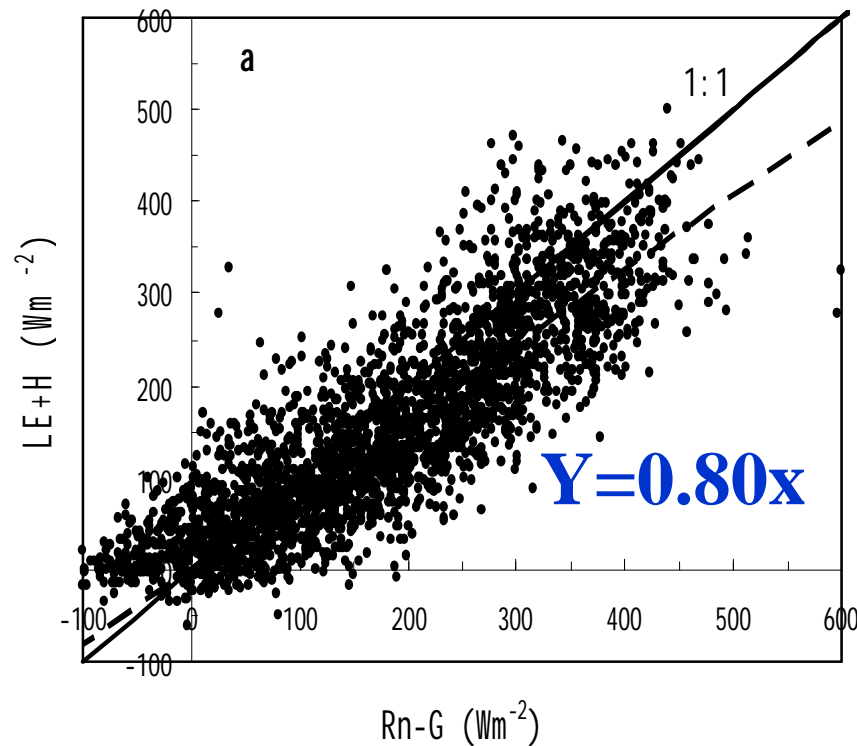
Seasonal variations of daily-integrated incoming solar radiation, daily mean air temperature, soil temperature and soil moisture in the cropland surface from 2003-2004



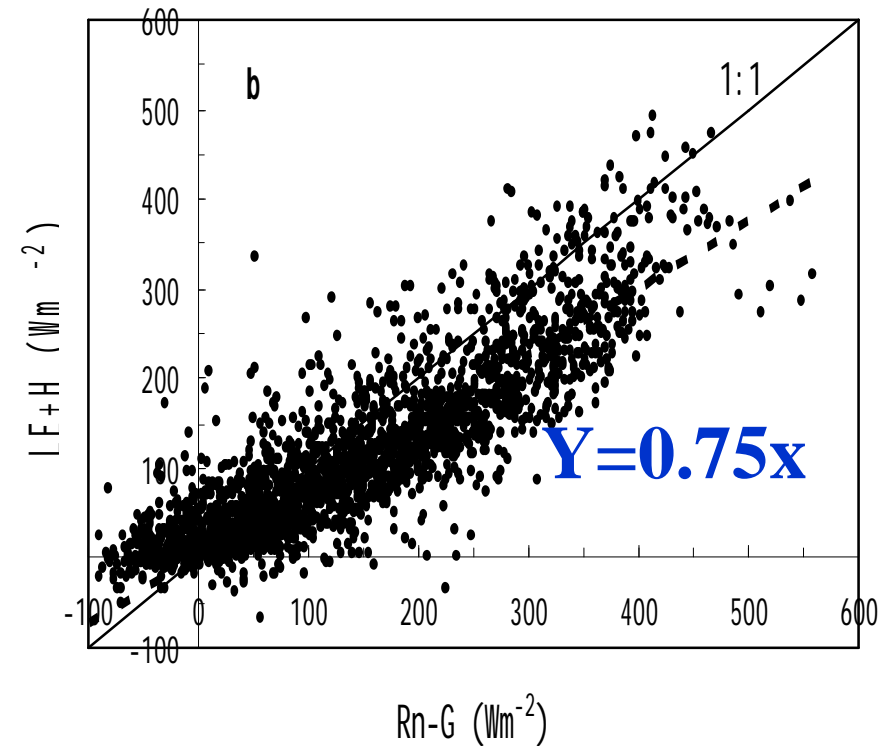
Solar, latent and sensible heat flux in the wet (a, July) and dry (b, March) season in the cropland in 2004.



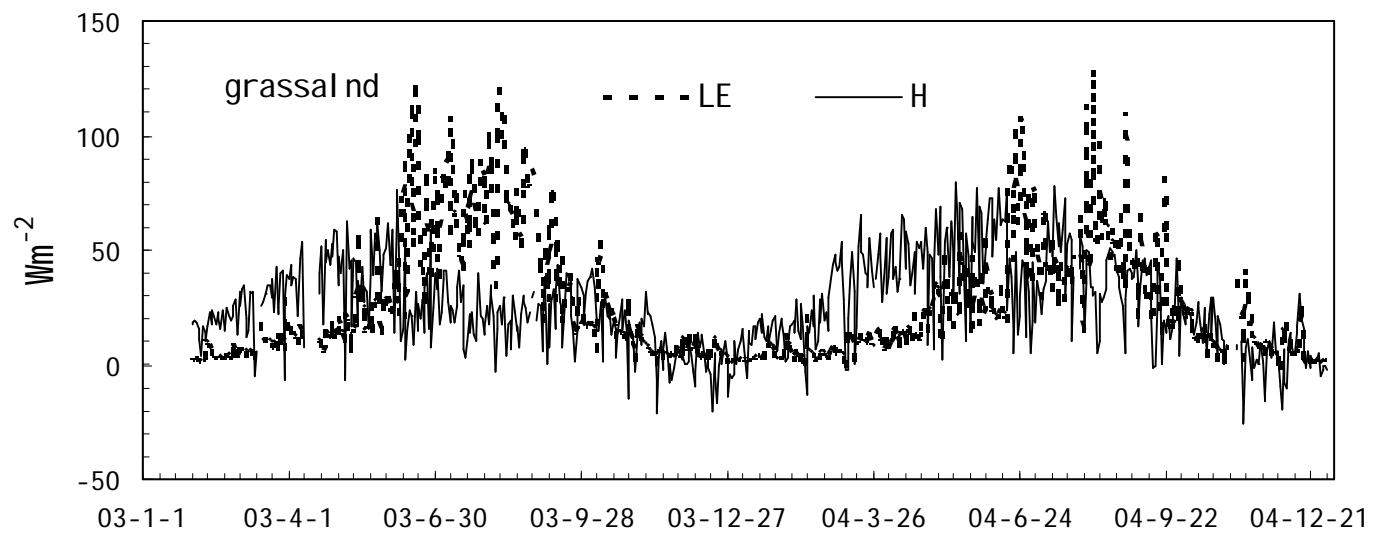
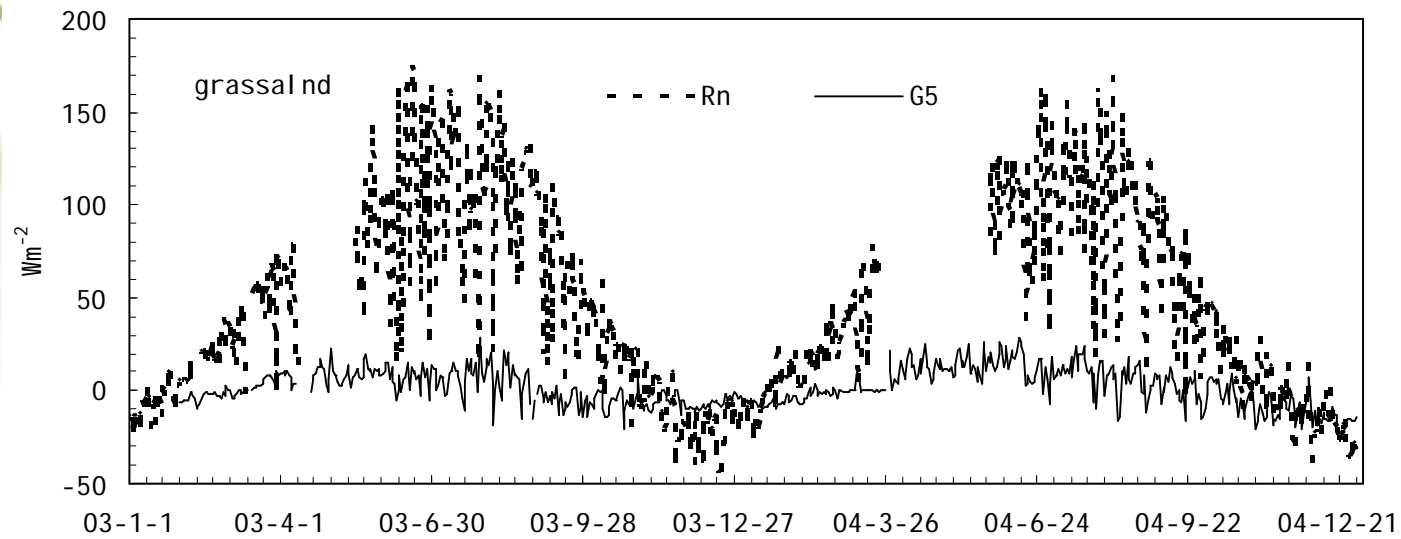
Energy closure in daytime in the surface layer(30min), including the correction of the energy storage in 2004

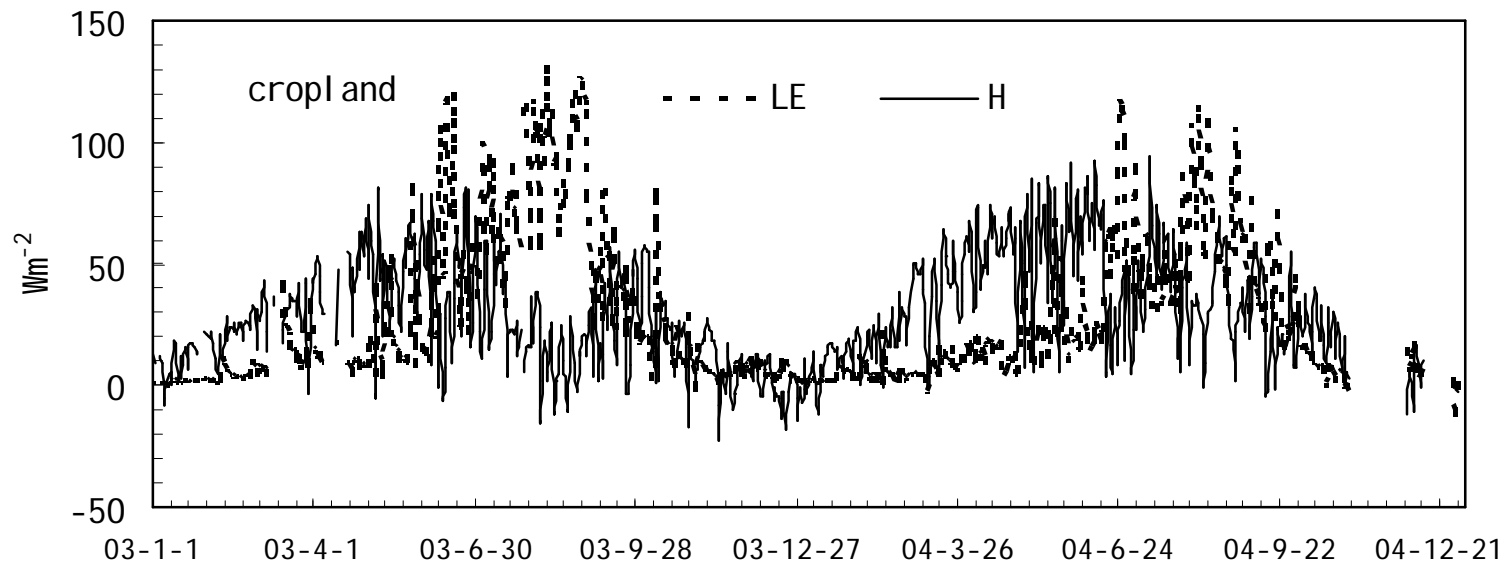
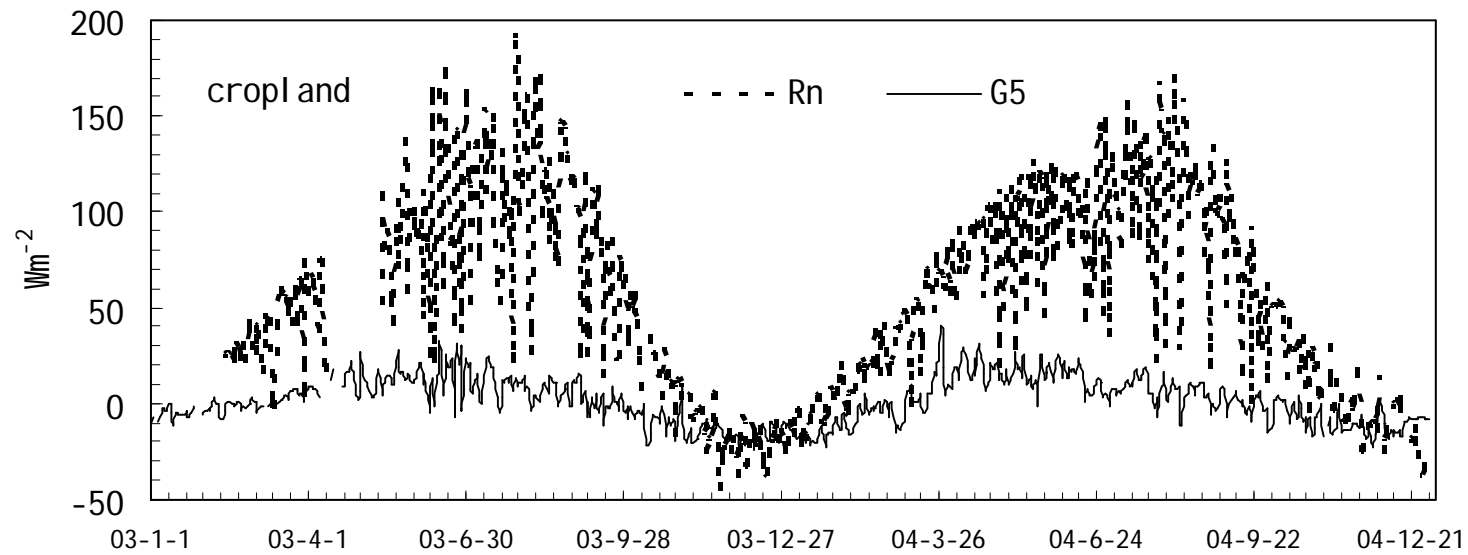


the cropland

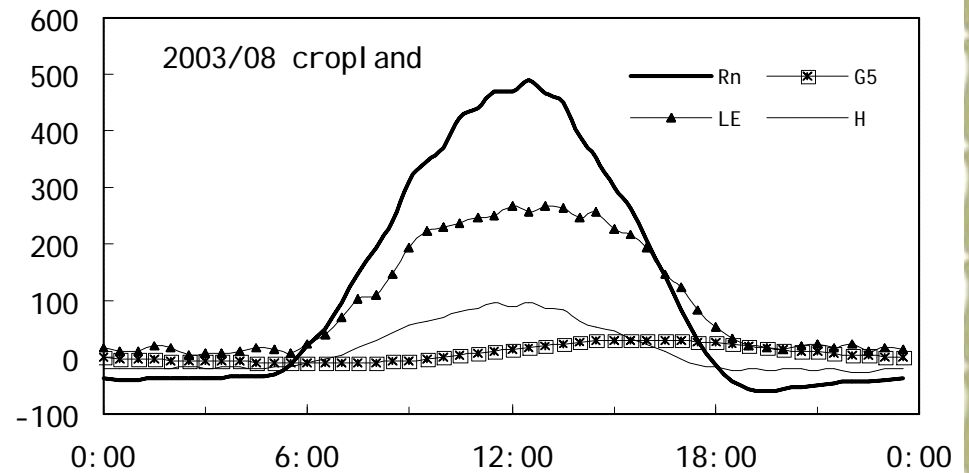
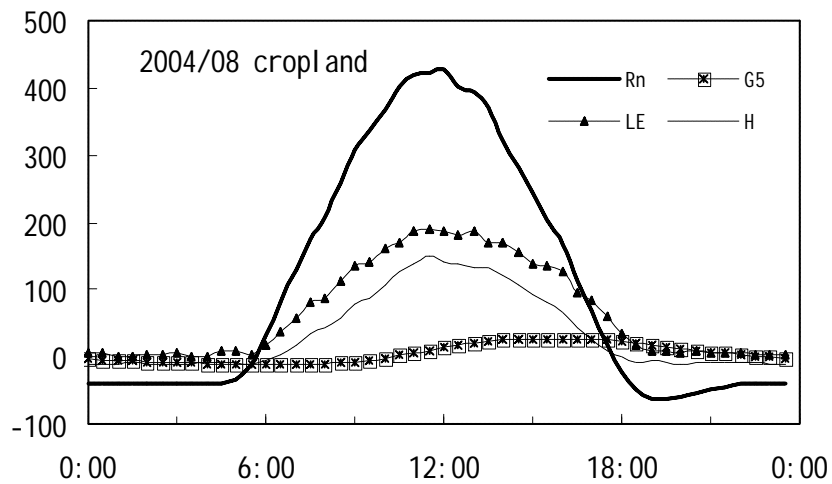
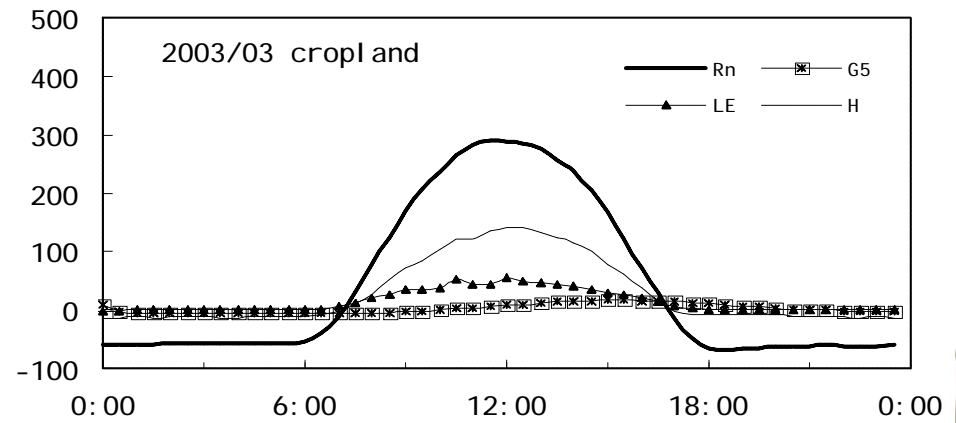
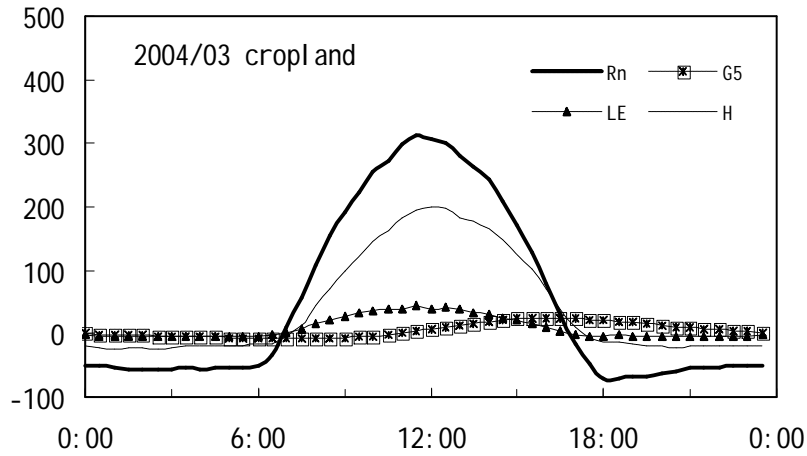


the grassland.

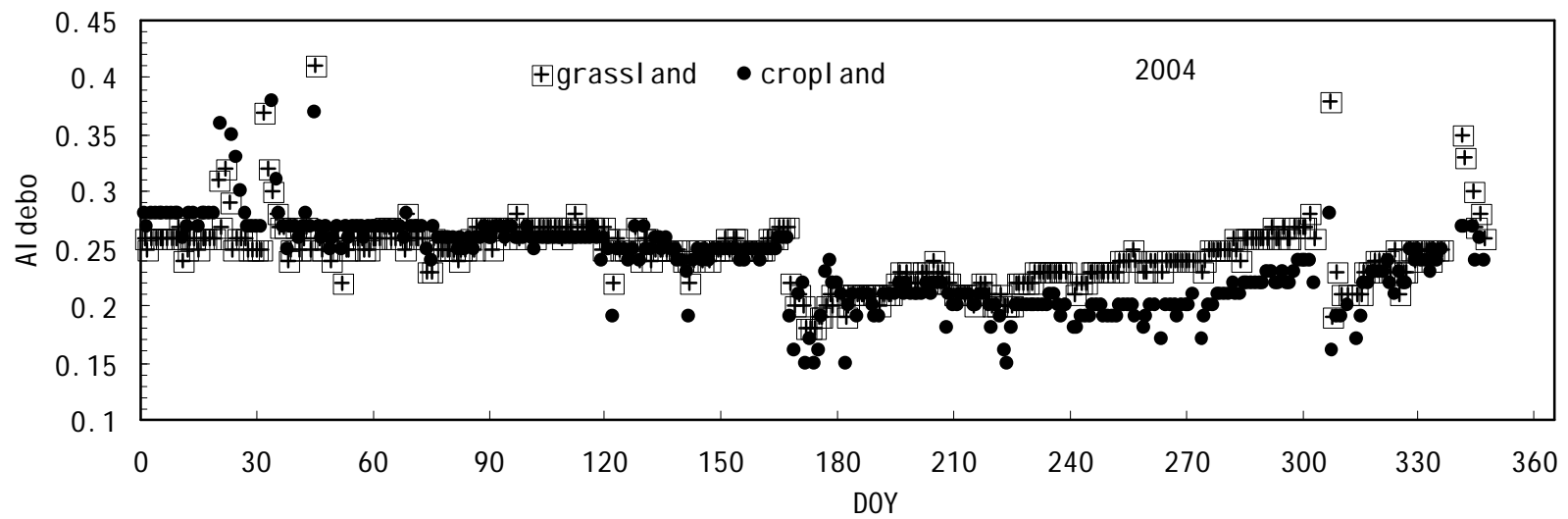
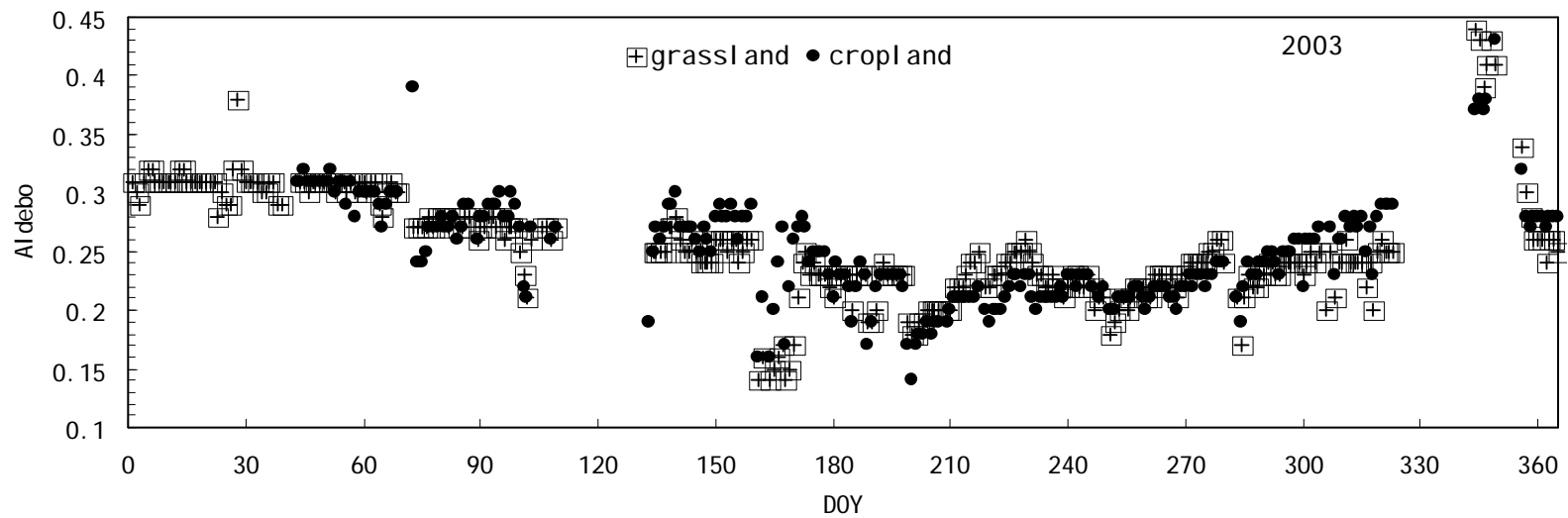


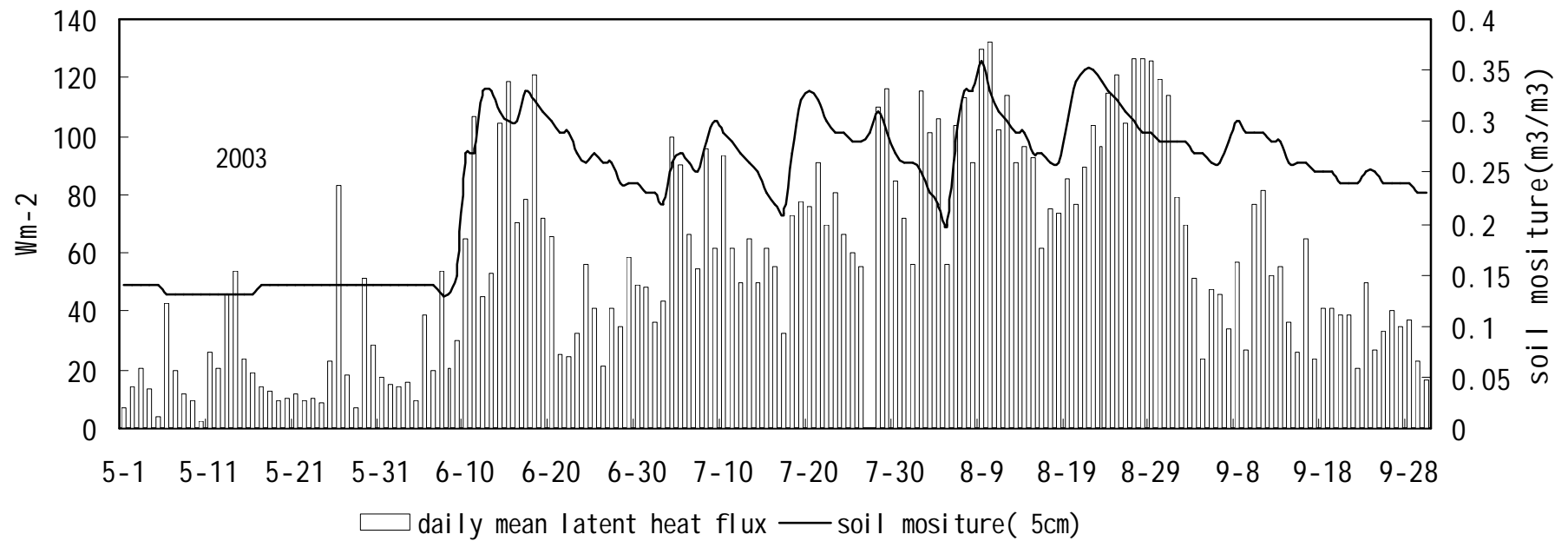
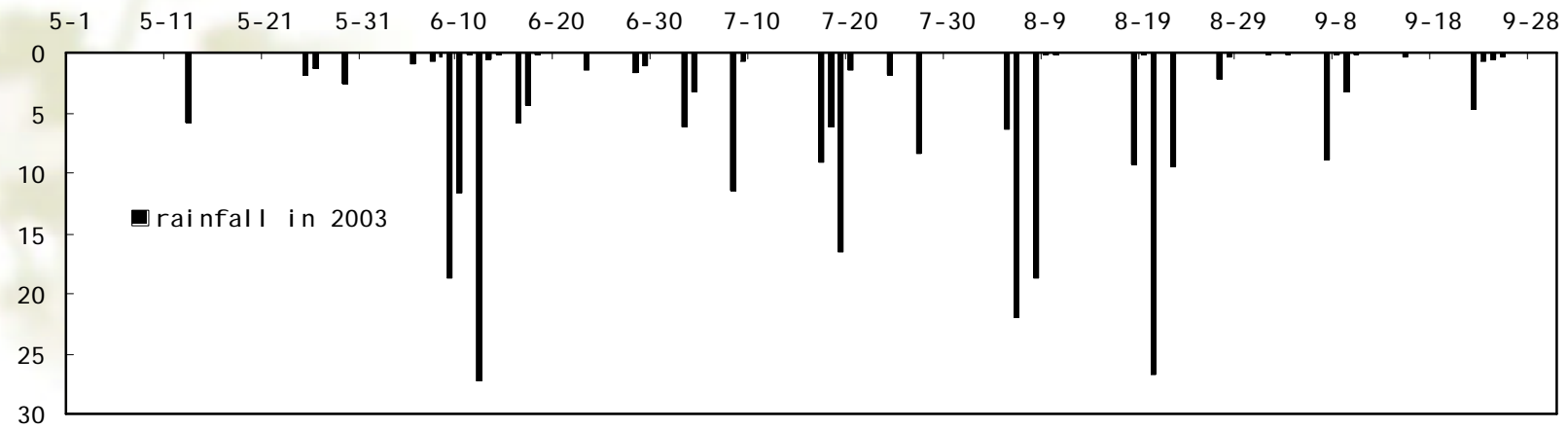


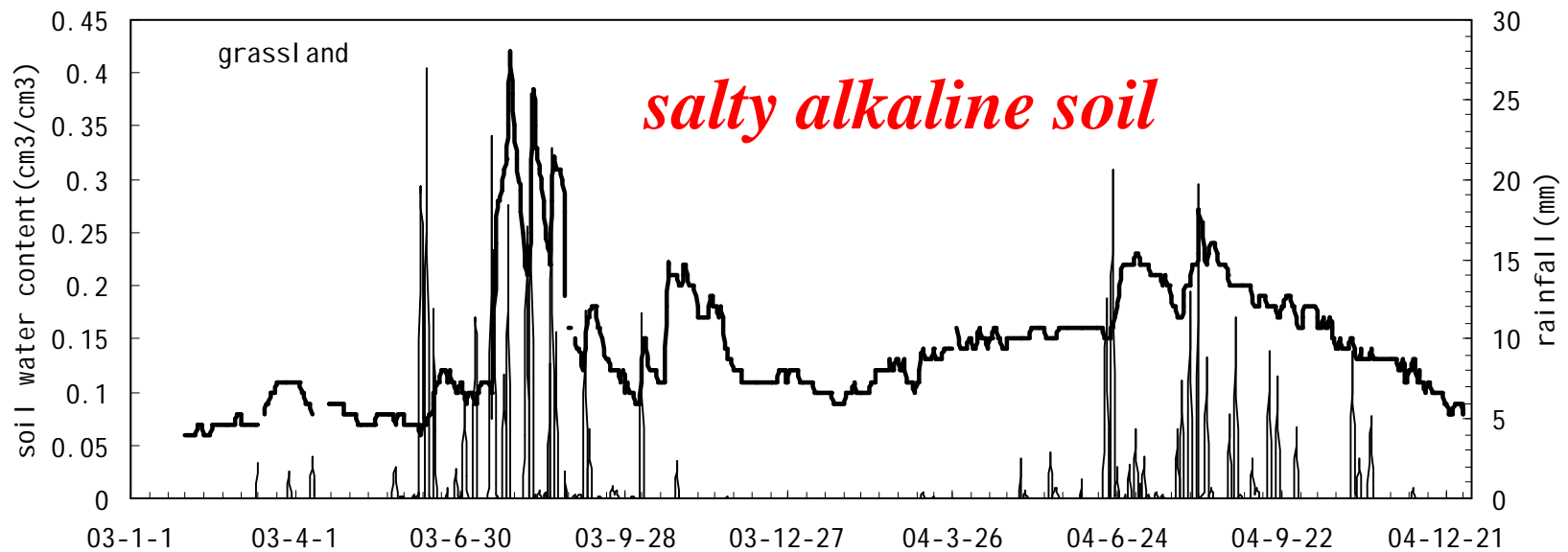
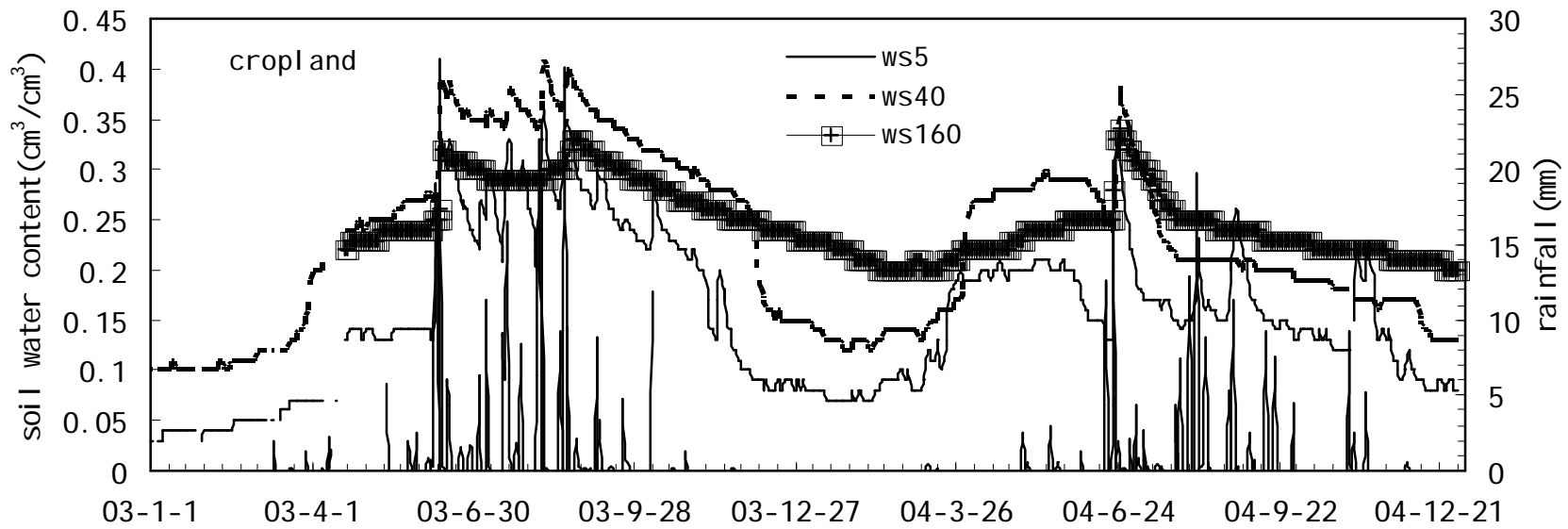
Seasonal variation of the daily mean fluxes in the cropland and grassland surfaces in 2003-2004.

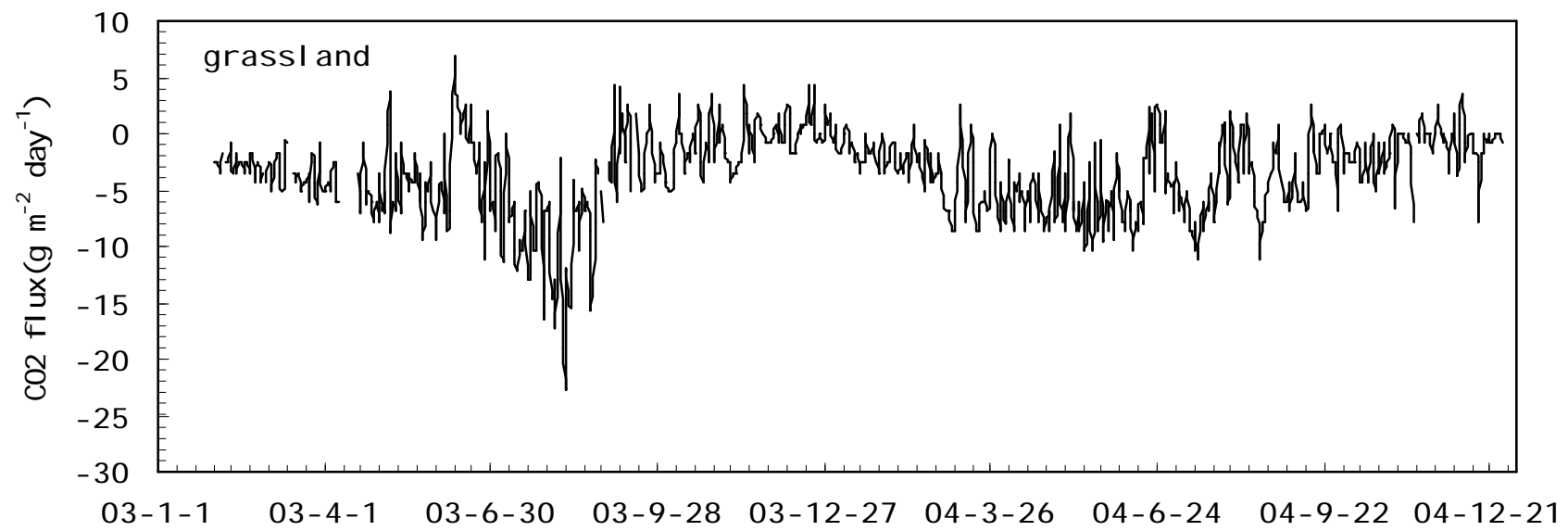
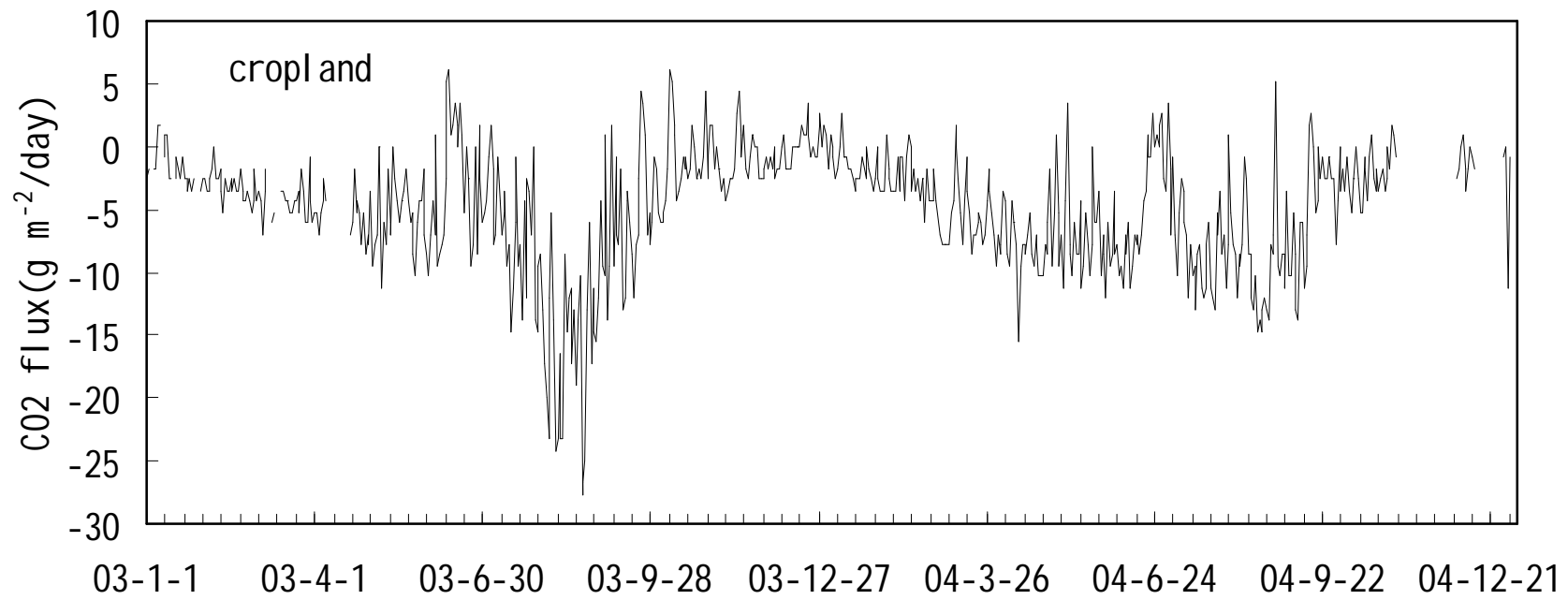


Monthly average diurnal variation of the energy fluxes in the cropland surface in dry and wet seasons.

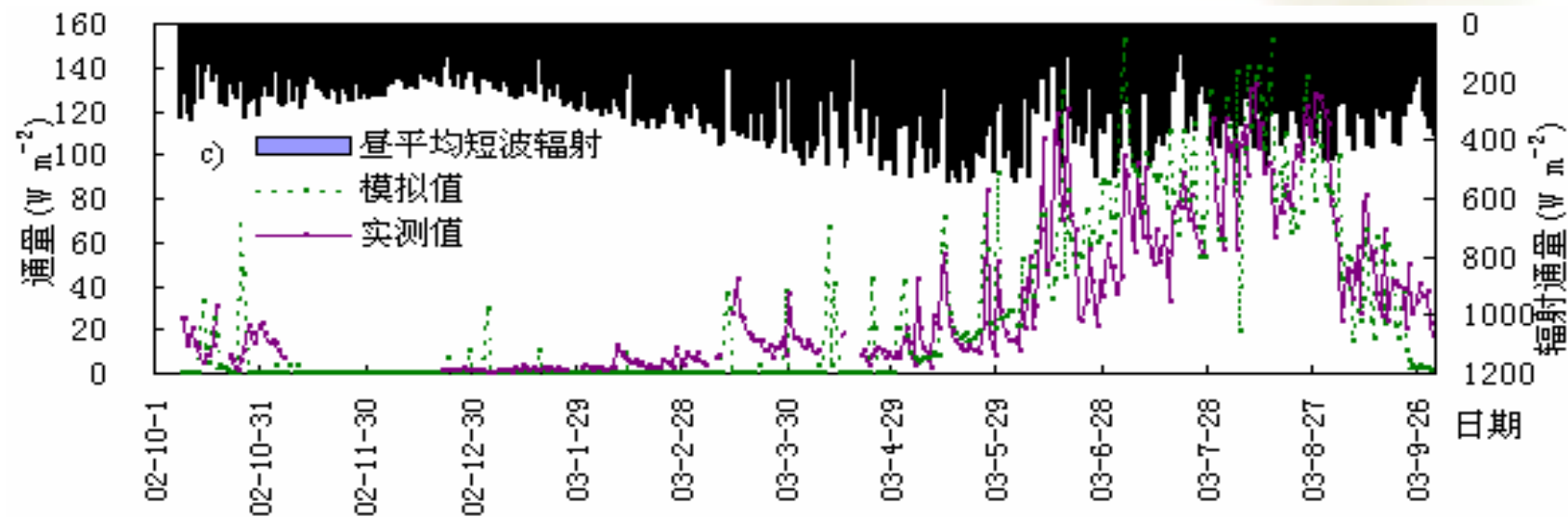
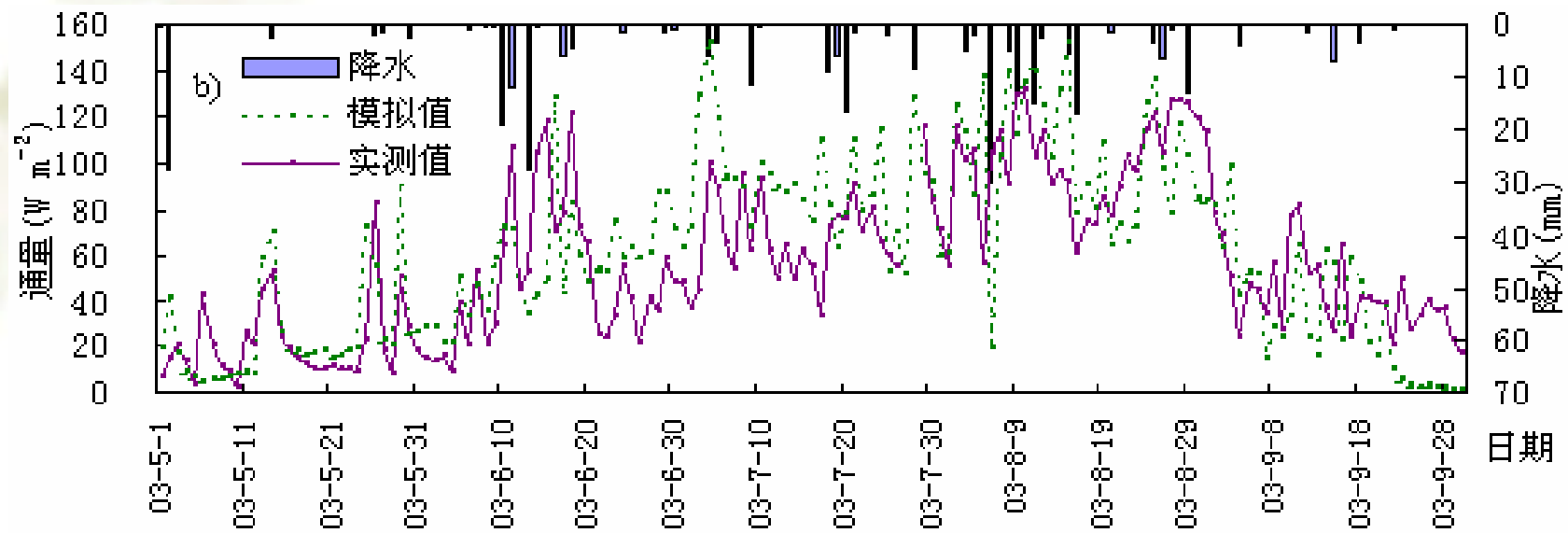




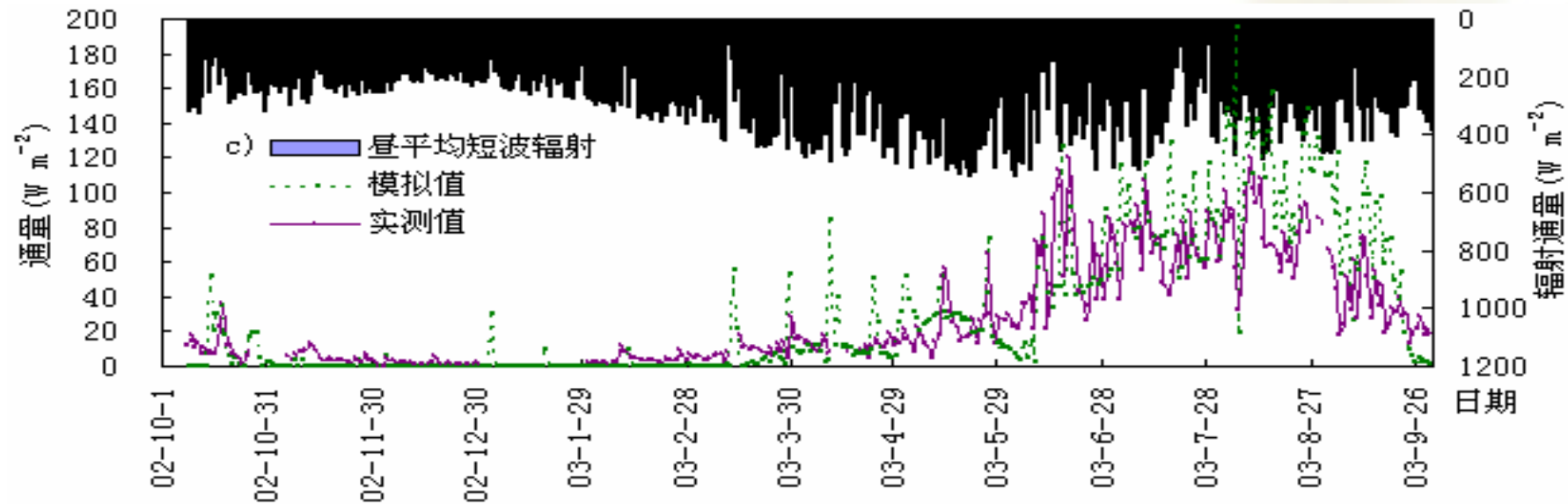
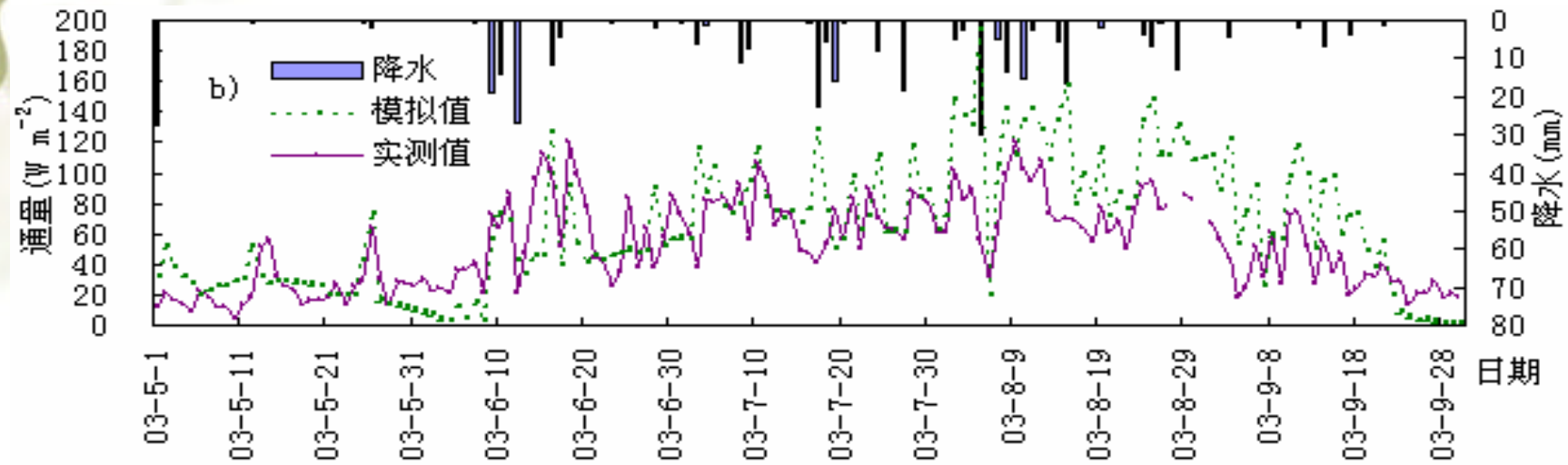




BIOME-BGC model, cropland (WANG et al., 2006)



BIOME-BGC model, grassland (WANG et al., 2006)



Thank you for your attention!

