



Xuelong Chen

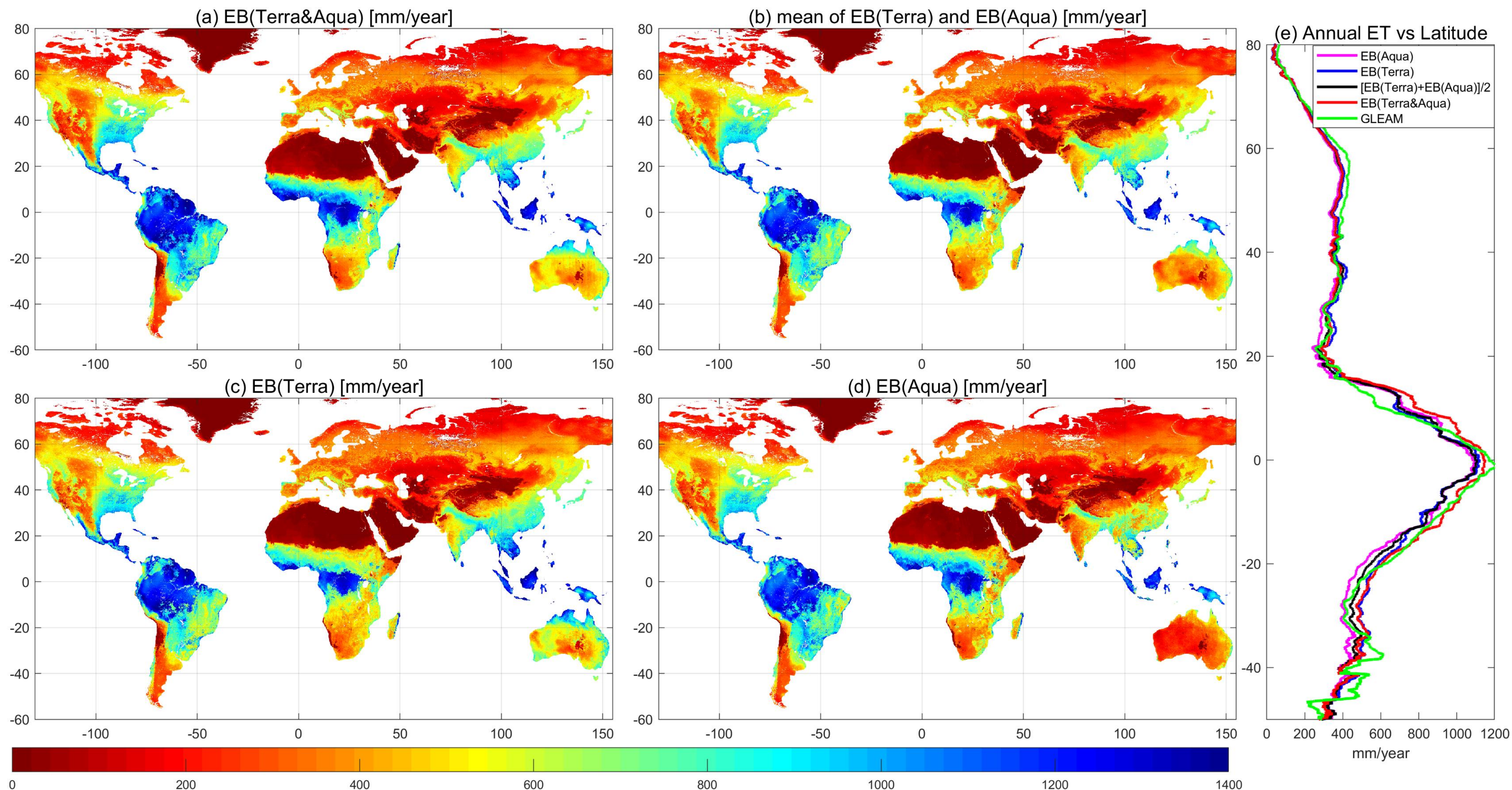


Fig.1 Annual mean evapotranspiration, (a) EB(Terra&Aqua), (b) mean of EB(Terra) and EB(Aqua), (c) EB(Terra), (d) EB(Aqua), (e) Annual ET variation along latitude

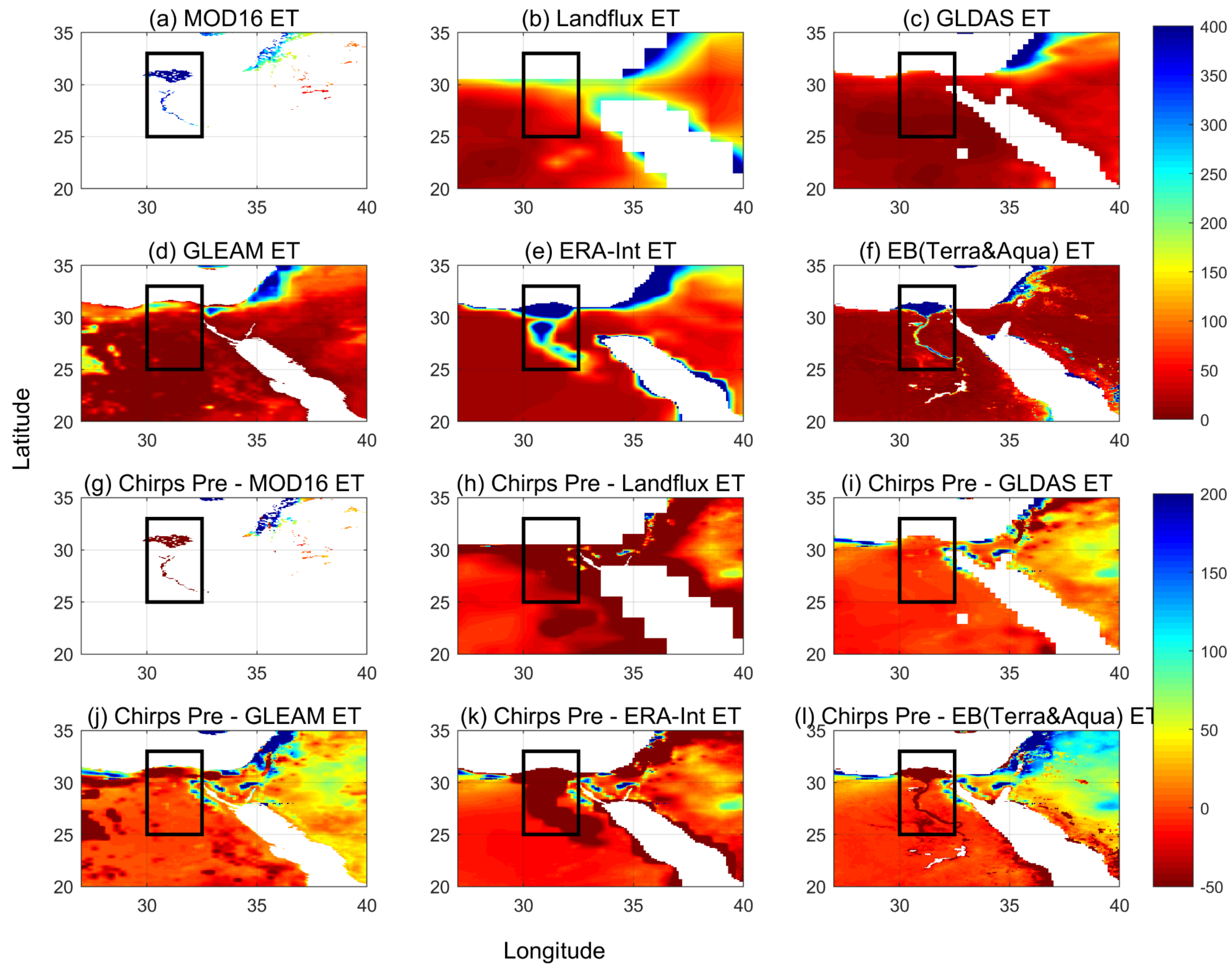


Fig.2 ET maps of (a) MOD16, (b) Landflux, (c) GLDAS, (d) GLEAM, (e) ERA-Interim, (f) EB(Terra&Aqua); (g) Chirps precipitation minus MOD16 ET, (h) Chirps precipitation minus Landflux ET, (i) Chirps precipitation minus GLDAS ET, (j) Chirps precipitation minus GLEAM ET, (k) Chirps precipitation minus ERA-Interim ET, (l) Chirps precipitation minus EB(Terra&Aqua) ET for the Nile Delta region. Unit: mm/year.

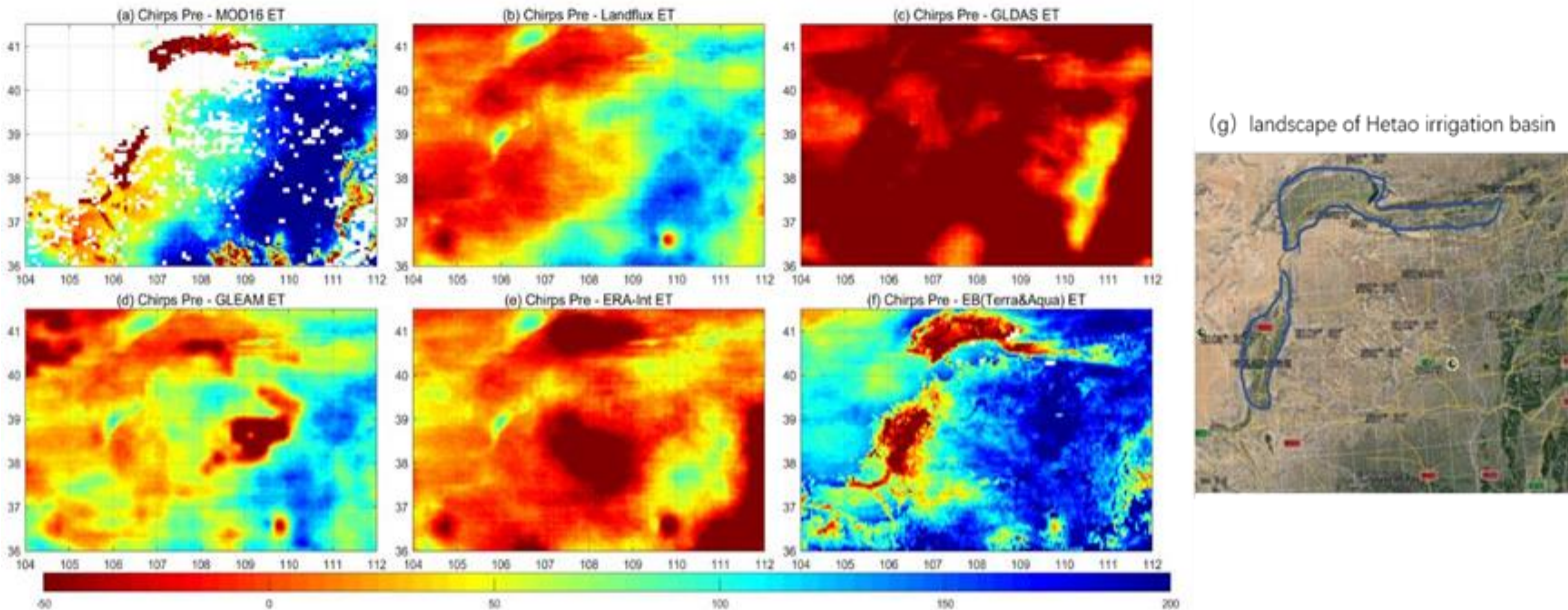
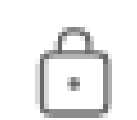


Fig. 3 Multi-year (2006-2017) annual average ET maps of (a) Chirps precipitation minus MOD16 ET, (b) Chirps precipitation minus Landflux ET, (c) Chirps precipitation minus GLDAS ET, (d) Chirps precipitation minus GLEAM ET, (e) Chirps precipitation minus ERA-Interim ET, (f) Chirps precipitation minus EB(Terra&Aqua) ET for the Hetao irrigation plain along the Yellow river in China. Unit: mm/year.



Surface energy balance based global land evapotranspiration (EB-ET 2000-2017)

Daily and Monthly evapotranspiration (5km x 5km spatial resolution) for global land area was derived from satellite data and a surface energy balance method (EB). The global 5 km daily and monthly ET dataset is produced with the revised SEBS algorithm in Chen et al. 2019 JGR and Chen et al. 2013 (JAMC). MODIS LST, NDVI, Global forest height, GlobAlbedo, GLASS LAI have been used in this ET calculation. The ET dataset will be updated to near-present with the availability of input dataset. The global 5 km sensible heat flux, net radiation, latent heat flux will be open with the email contact with Dr. Xuelong Chen.

[Zoom in](#)

FTP Download Info

Ftp server: 210.72.14.198**Ftp username:** download_402634**Ftp password:** 35684581

The volume of this dataset is bigger than 1 GB. Please use FTP client tools (Filezilla or other else).

Daily ET File name: 20001201-ET-V1.mat, 2000-year, 12-month,01-day, ET-Evapotranspiration, V1-version 1;unit: mm/day (unit8 need transfer to single or double and should be divided by 10);data type: unit8 was used to save the disk space. 255 is used for ocean and water body pixels.

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