Figures in our response to the comments of referee #1

AC-Fig. 1  Landsat-7 ETM+ band transmittance computed using 6S model
AC-Fig. 2. The emissivity spectrums of five selected materials from MODIS/ASTER emissivity spectral library.
AC-Fig. 3a  The sensitivity of our used LST retrieval method to alpha parameter.

AC-Fig. 3b  The sensitivity of our used LST retrieval method to beta parameter.
AC-Fig. 4. The new Fig. 2a in our revised manuscript.
AC-Fig. 5. The diurnal variation in EFref for 1# observation site.