

ET product and reference	Abbreviation	Time period and spatial resolution	Forcing data source	Calculation method(s)
CSIRO global (K. Zhang, et al., 2010)	CS	1983–2006, 0.5°, also available at 8 km and 1°	Meteorological observations from flux tower distributed across all global biome types, remote sensing inputs	An extended ET product of CSIRO (Y. Zhang, et al., 2010) that covers a global domain, NDVI-based PM model, PT equation for open water evaporation
GLEAM V2A (Miralles et al., 2011)	G2A	1980–2011, 0.25°	Remote-sensing-based observations, gauge-based precipitation	PT equation, canopy interception model, soil water module and stress module
GLEAM V2B (Miralles et al., 2011)	G2B	2000–2011, 0.25°	Remote-sensing-based observations	PT equation, canopy interception module, soil water module and stress module
GLEAM V3A (Martens et al., 2016)	G3A	1980–2014, 0.25°	Satellite-based inputs, multi-source precipitation	A revised version of GLEAM V2A in which new satellite-observed geophysical variables have been incorporated and the representation of the surface soil moisture and evaporation has been improved
LandFlux-EVAL-Diag (Mueller et al., 2011, 2013)	LFD	1989–2005, 1°	Simple mean of five diagnostic ET datasets	
LandFlux-EVAL-All (Mueller et al., 2011, 2013)	LFA		Simple mean of 14 diagnostics, LSM and reanalysis datasets	
MOD16 global ET products (Mu et al., 2011)	MOD	2000–2014, 0.5°, also available at 0.05°	Global Modeling and Assimilation Office (GMAO) meteorological reanalysis data, remote sensing inputs from MODIS 8-day retrievals	PM formula (Monteith, 1965)
MPIBGC (Jung et al., 2011)	MPI	1982–2011, 0.5°	FLUXNET data from 253 sites, remote sensing datasets from SeaWiFS	Empirical methods: model tree ensemble (MTE) machine-learning techniques
PML PM–Leuning model (Zhang et al., 2015)	PML	1981–2012, 0.5°	GMAO reanalysis products	PM–Leuning method
PT–JPL (Fisher et al., 2008)	PT	1984–2006, 1°	Meteorological reanalysis data from ISLSCP II, remote-sensing-based observations from monthly AVHRR data	PT equation