**Revised documentation (June 8, 2015)**

**An error has been identified in 3 hourly NEE for 2012**

**file name: NEE.3hrly.1x1.25.2012.nc**

**FIRE and FUEL were added to the biological flux NEE. This causes double counting of fires in the net land flux to the atmosphere (see Glossary below for definition of fluxes). As of 06/08/2015 this file has been replaced with the corrected version that includes only the biological fluxes (GEE+RE).**

**Rewording of Glossary for improved clarity**

**ORIGINAL**

Glossary:

FIRE: wildfire emission flux to the atmosphere

FUEL: fuel wood emission flux to the atmosphere

GEE: gross ecosystem exchange, carbon uptake from the atmosphere

NEE: net ecosystem exchange, net carbon flux to the atmosphere

NPP: net primary productivity, carbon flux to the vegetation

NEP: net carbon flux to the vegetation

RH: heterotrophic respiration from ecosystem

Derivable flux variables:

NEP: monthly net ecosystem productivity, NEP=NPP-RH

NBP: monthly net biome productivity, net flux to the ecosystem, NBP=NPP-RH-FIRE-FUEL

3 hourly net flux to the atmosphere = NEE+FIRE+FUEL

RE: 3 hourly total ecosystem respiration: RE=NEE-GEE

**NEW EDITED VERSION**

Glossary:

FIRE: 3 hourly wildfire emission flux to the atmosphere

FUEL: 3 hourly fuel wood emission flux to the atmosphere

GEE: 3 hourly gross ecosystem exchange, photosynthetic carbon flux to the atmosphere (GEE should always be < or = 0)

RE: 3 hourly gross ecosystem respiration, (should always be > or = 0)

NEE: 3 hourly net ecosystem exchange to the atmosphere, NEE = GEE+RE

NPP: monthly net primary productivity, carbon flux to the vegetation from the atmosphere

RH: monthly heterotrophic respiration from ecosystem to the atmosphere

Derivable flux variables:

NEP: monthly net ecosystem productivity of the vegetation

NEP=NPP-RH

NBP: monthly net biome productivity the ecosystem, NBP=NPP-RH-FIRE-FUEL

RE: 3 hourly gross ecosystem respiration, (should always be > or = 0)

RE=NEE-GEE

3 hourly net land flux to the atmosphere = NEE+FIRE+FUEL