T,PQV,U

SW & LW

PRECIP.

SH & LH FLUX

LW

ALBEDO

Surface Runoff

INFILTRATION, EVAPOPRATION

Soil Moisture

Subsurface Runoff

Ground water level

Water depth, Flood area

L

Sf   Sr   Sf

Df

Dr

W   B

Z

D(Af)

Ac

Af

Ac

Af

Topography

CoLM

CaMa-Flood