Land-surface Information System

New Data Source Name	MOSAIC Alternate Run #1
User's Email Address	Brian.Cosgrove@gsfc.nasa.gov

Temporal Domain

	Year	Month	Day	Hour
Start Time	1998	March	01	12
End Time	1999	March	01	00

Spatial Domain

Domain User-defined **Spatial Resolution** 1 Degree

	Minimum	Maximum
User-defined Latitude	10.0	84.0
User-defined Longitude	-160.0	-120.0

Model Physics

Land Surface Model	MOSAIC	**Sub-Grid Tiling**	☑
Evaporation Scheme	Penman-Monteith	**Runoff Routing**	☑
Infiltration Scheme	Darcy	**Lake Model**	☐
Snowmelt Scheme	Multi-layer	**Dynamic Groundwater**	☐
Interception Scheme	LAI-Based	**Dynamic Vegetation**	☑

Model Forcing

Precipitation	TRMM
Radiation	GOES
Wind Speed	GOES
Humidity	Mesonet

Model Parameters

Vegetation	IGBP
Soils	Penn State
Topography	GTOPO30

Data Assimilation

Method Kalman Filter **State** Soil Moisture **Observations** EOS

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