

# De-Normalized Obs Data for Performance & Apps

Physical\_Data\_Model\_05;10  
De-Normalized Obs Data for Performance & Apps

**Location**

**GeoArea**

**HourlyPC**

**HourlyPP**

**ProcPrecip**

**LatestObsValue**

[Gage precip data prepared by gage\_pp for input to MPE.]

[Gage precip data prepared by siipp for input to MPE.]

[Latest observed data value for all stations and data types to drive the HydroView Station Reporting Status display.]

**CurPC**

**CurPP**

**CurPrecip**

**FloodTs**

**AlertAlarmVal**

**RiverStatus**

[Latest observed precip data to speed up data retrievals. Read by gage\_pp]]

[Latest observed precip data to speed up data retrievals. Read by siipp]]

[Height and flow obs above flood stage extracted from Height and Discharge to drive HydroBase flood event display.]

[Temporary storage for data values which exceed alert and alarm thresholds.]

[Current stage height or flow observation and latest maximum forecast for a river station location to drive HydroView map.]

[NOTE: Normally, all 10 of these data tables would have foreign key connections on their "lid" fields pointing back to the "lid" field in the Location table. Because some of these data types might be for areas in addition to station locations, one cannot reliably enforce foreign keys back to the Location table. For consistency, index space saving, and the fact that it is essentially impossible to populate these tables without corresponding stations and areas defined, all of these foreign keys were dropped for IHFS V2.0.]