Environment and organisms - Task #415

Process MOD06_L2 Cloud data

05/16/2012 06:40 AM - Adam Wilson

Status:	New	**Start date:**	05/16/2012
Priority:	Normal	**Due date:**	
Assignee:	Adam Wilson	**% Done:**	50%
Category:	Climate	**Estimated time:**	40.00 hours
Target version:			
Activity type:	Coding/analysis		

Description

Download and process the MODIS cloud product (MOD06_L2) and produce monthly 1km summaries of key variables.

History

#1 - 05/16/2012 06:40 AM - Adam Wilson

See presentation on current progress here [[https://projects.nceas.ucsb.edu/nceas/documents/18]]

#2 - 06/01/2012 12:43 PM - Adam Wilson

I've downloaded and processed the full 10 archive for Oregon and generated monthly climatologies for "Cloud Optical Thickness" and "Cloud Effective Radius". Preliminary comparisons with station data (with a vanilla, non-spatial linear model) shows r^2 values of Precip~OpticalThickness near 0.5. This is encouraging that these data will be useful covariates (along with elevation, distance to coast, etc.) in the interpolations.