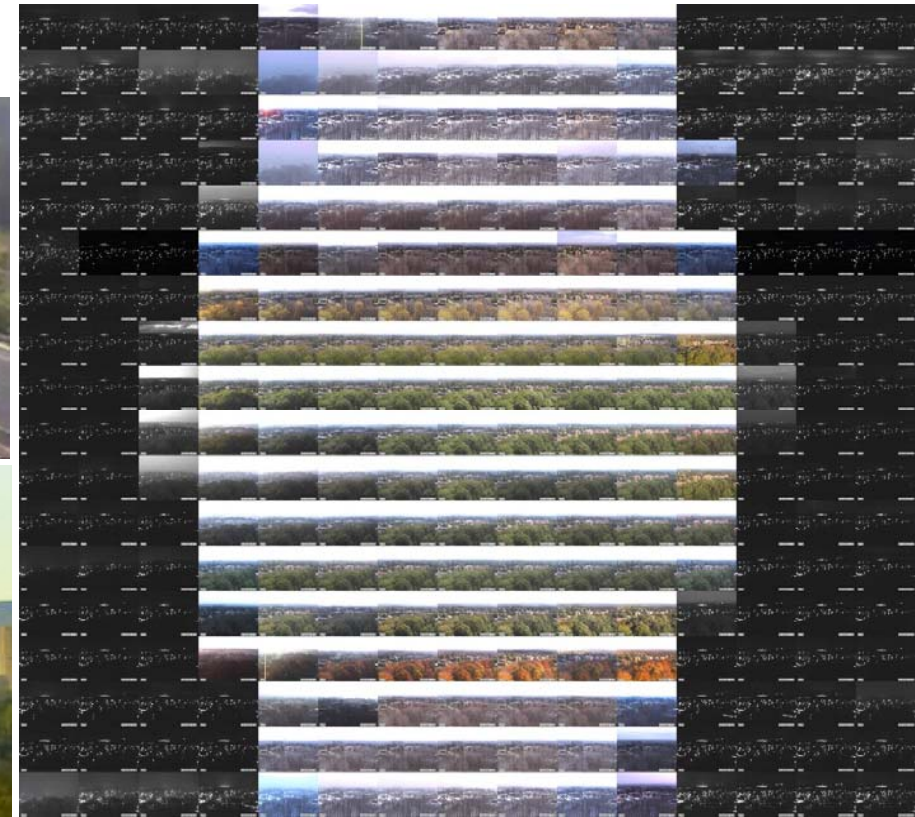# Washington University and University of Kentucky
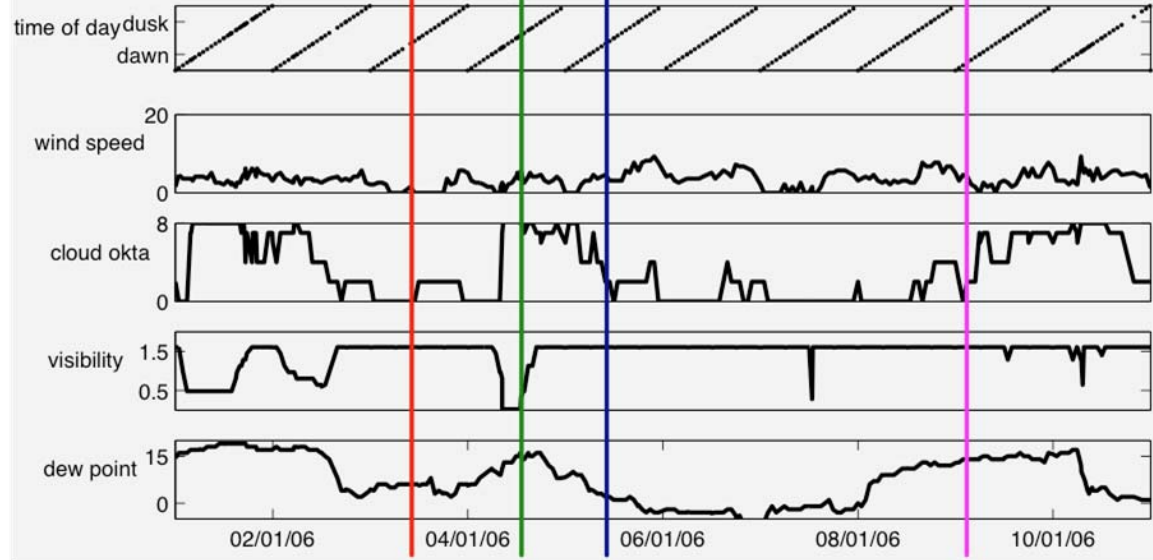
Robert Pless, Nathan Jacobs

Archive of Many Outdoor Scenes

- Geo-location from natural cues occurring in many environments.

- Exploit very large, long data archives

- Attribute based localization

- Integration with satellites, other sens[...] and public data sources

Archive of
Many
Outdoor Scenes

Robert Pless

– Ongoing projects w/ ONR, AFOSR, NSF (CAREER).
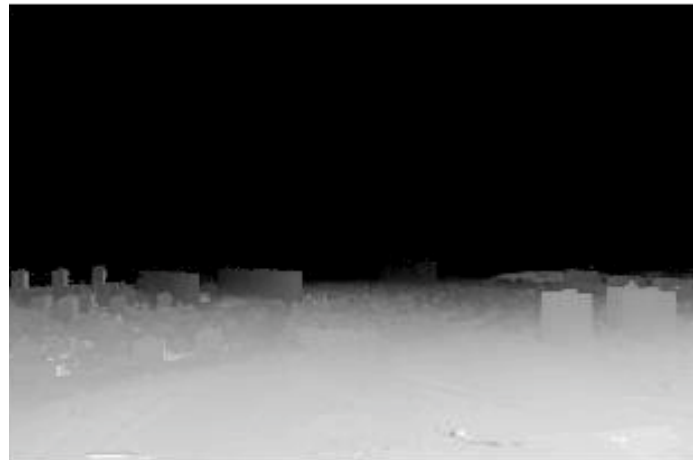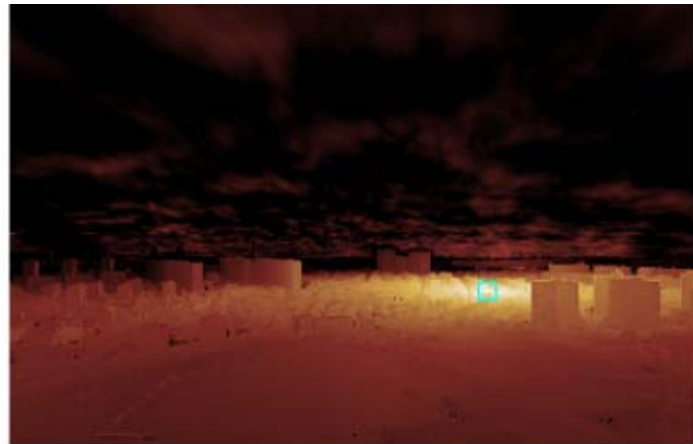
Nathan Jacobs

– Member of DARPA Computer Science Study Group 2011, (TS clearance)

Algorithms

– Absolute geo-localization and calibration based on time-lapse video

– High resolution, relative geo-registration and calibration based on time-lapse video

– User driven geo-localization

Dataset

– Annotated, geo-registered imagery archives with correlated weather data

AMOS

Archive of Many Outdoor Scenes

Seeking partners for:

- **user-interface development**: experience with analyst workload and methods

- **system integration**: GIS database construction and data fusion

- **non-stationary cameras**: large-scale 3D correspondence based localization and motion compensation

Contact Information

Archive of Many Outdoor Scenes

Robert Pless
Associate Professor
Washington University in St. Louis
pless@wustl.edu
314-935-0536
http://www.cs.wustl.edu/~pless

Nathan Jacobs
Assistant Professor
University of Kentucky
jacobs@cs.uky.edu
859-257-5254
http://cs.uky.edu/~jacobs