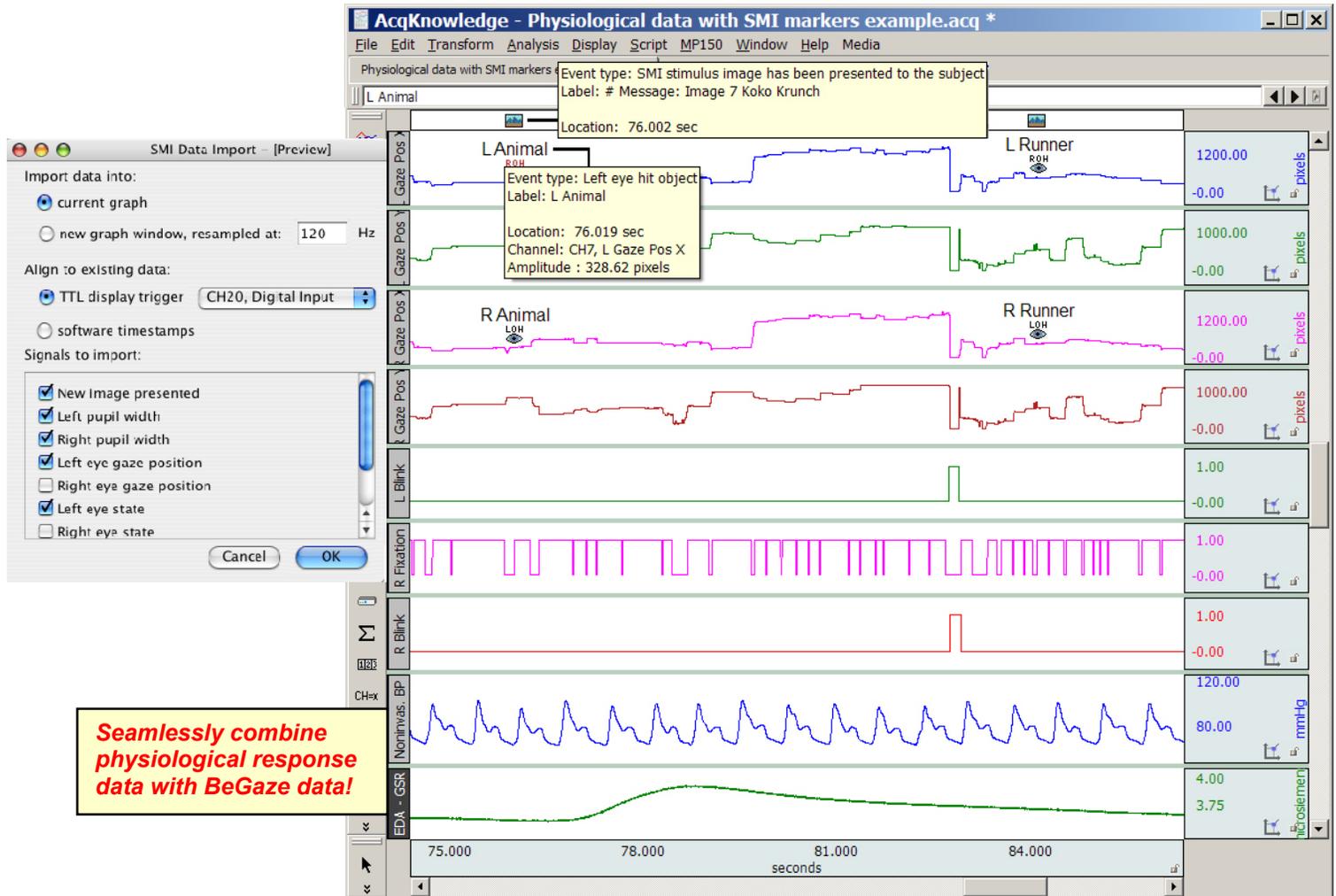




AcqKnowledge now includes a simple “SMI BeGaze Import” feature to combine eye tracking data with physiological response data from BIOPAC.

Use combined data to provide complete subject response...for instance, how did a subject’s heart rate respond during stimulus presentation or an extended gaze?

SMI BeGaze data for eye position, pupil width measurements, and analyzed data can easily be imported into AcqKnowledge and aligned with physiological data. Use the simple import dialog to select BeGaze signals and resample or align data to match eye tracking data with physiological data.



Just choose “SMI BeGaze Import” from the File menu to launch the importer with a standard file chooser prompting the user to locate an SMI BeGaze export file. Select the BeGaze data to import for left and/or right eyes:

- New image presented** Imported and marked as a global *Stimulus delivery* event.
- Pupil width** Imported as a sampled data channel with *Mapped Diameter* in units millimeters.
- Eye gaze position** Imported as a pair of sampled data channels, *Gaze X and Gaze Y*, in units pixels.
- Eye state** Imported as three individual channels—*Fixation, Saccade, and Blink*—derived from the corresponding “Event Info” channel.
- Object hit** Imported as a pair of events (L and R, defined on eye gaze position X) with Stim/Response event markers for “AOI Start” and “AOI End” labeled with the title of the object that was hit.

When imported into an existing AcqKnowledge data file, the BeGaze data can be aligned with the physiological response data via a TTL display trigger or software timestamps. Data will be resampled (with padding) at the MP acquisition rate.