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% Example custom tracking sub-routine
function trackDat = customStimulusSubRoutine(trackDat,expmt)

    % calculate distance of each object to center of ROI
    dx = diff(trackDat.Centroid(:,1) - expmt.ROI.centers(:,1));
    dy = diff(trackDat.Centroid(:,2) - expmt.ROI.centers(:,2));
    trackDat.CenterDistance = sqrt(dx.^2 + dy.^2);

    % find animals close enough to center for stimulus delivery
    % store result in trackDat.Stimulus for writing to hard drive
    thresh = expmt.parameters.distance_thresh;
    trackDat.Stimulus = trackDat.CenterDistance < thresh;

    % target the ROIs specified by trackDat.Stimulus
    deliverStimulus(trackDat.Stimulus,expmt);

end
```