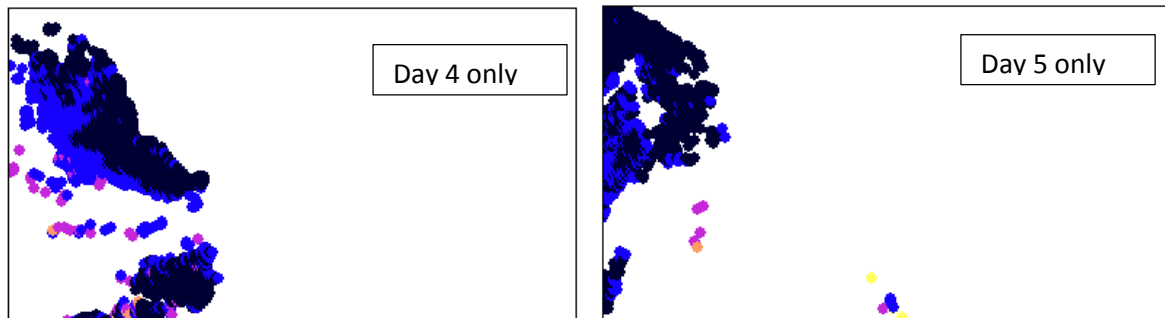
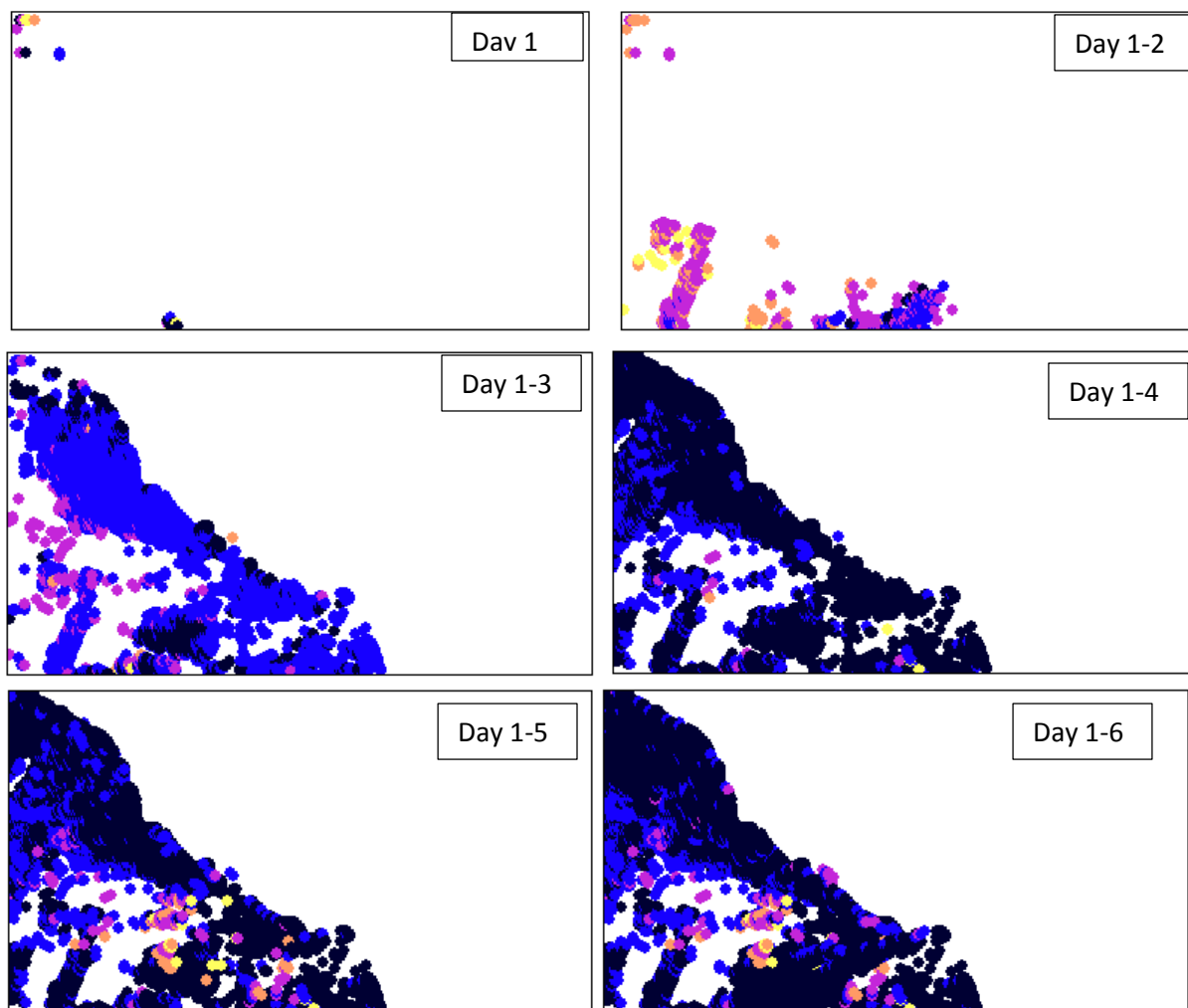
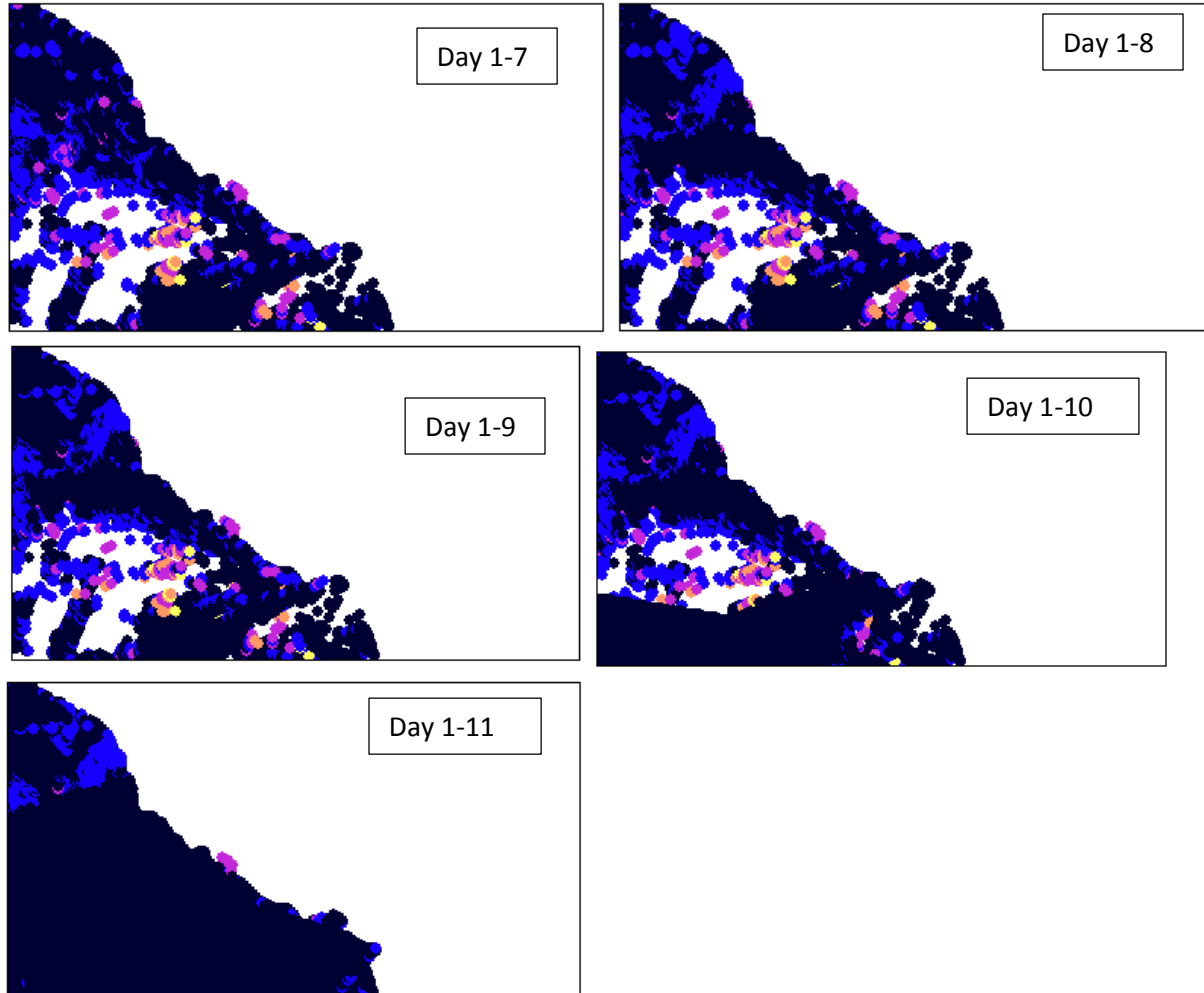


AOD data near California. The satellite doesn't record data for a unique set of points each. We can see a non-zero intersection in the set of points for which data is recorded on Day4 and Day 5.



Following graphs represent cumulative AOD measurements from a randomly chosen day 1 to next consecutive days. Example: Figure with text Day 1-8 represent data obtained in 8 consecutive days. In this example, we see it took the satellite almost 11 days to record AOD data.





I have not done any kriging while plotting above graphs. As we see above, the co-ordinates at which data is collected on a particular day is quite non-uniform. Would it be a good idea to do kriging on daily data? Or should we do it on fortnightly/monthly data? I plan to do some kriging tonight and tomorrow. If you are wondering why half of the graph is white, it is because this is around the coast of California (upper half of diagonal is land).

@Alen, could you please let me know which function did you use in Matlab to do the interpolation?

@Everyone: Any suggestions/questions as to how I should go forward with this data?