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CONCLUSION

- An intercomparison between non-dominance techniques found that Uitz et al. (2006) and Devred et al. (2006) show the highest degree of similarity. Hirata et al. (In press) and Alvain et al. (2005, In Press) were found to predict the highest amount of dominant microplankton pixels in the study area. From a basic comparison of dominance and non-dominance techniques, the dominance technique of Ciotti et al. (2002) and Hirata et al. (In press) provided the highest non-dominance factors (e.g. % or probability) indicating a more accurate prediction, and the non-dominance techniques of Devred et al. (2006) and Uitz et

- From the *in situ* validation Hirata et al. (In press) a_{ph}(443) was found to have the highest percentage match up (60-63.4%), and both Devred et al. (2006) and Raitsos et al. (2008) were found to have higher nondominance factors, indicating these three techniques are more accurate at predicting microplankton from satellite data.

- However, in order to accurately conclude upon the most validated method a far greater amount of in situ data will need to be used, with increased spatial and temporal coverage. Future work will also need to focus on other PFTs such as nanoplankton and picoplankton, before being compared to the FOAM-HadOCC system.