**Prediction skills of North Pacific SSTs and PDO in the NCEP CFSV2**

Caihong Wen, Yan Xue, Arun Kumar and Wanqiu Wang

Climate Prediction Center, NCEP/NWS/ NOAA, Camp Springs, Maryland,U.S.A

[Caihong.Wen@noaa.gov](mailto:Caihong.Wen@noaa.gov)

Accurate prediction of North Pacific Sea Surface Temperature (SST) on seasonal time scale is of importance for many social endeavors. In this study, CFSv2 hindcasts of North Pacific SST anomalies are evaluated for the period of 1982-2010. The focus is threefold: (1) assess the seasonal prediction skill as a function of lead time and season; (2) assess the ability of the model in capturing the climate variability of North Pacific, focusing on the PDO index; (3) investigate the impact of ENSO on the North Pacific SST and PDO prediction skill. Results will also be compared with CFSv1 hindcasts.