Auxiliary Material for

**Variability of alkalinity and the alkalinity-salinity relationship in the tropical and subtropical surface ocean**

Zong-Pei Jiang1,2, Toby Tyrrell1, David J. Hydes1, Minhan Dai3, Sue Hartman1

1 National Oceanography Centre, Southampton, University of Southampton, European Way, Southampton, SO14 3ZH, United Kingdom

2 Ocean College, Zhejiang University, Hangzhou, China

3 State Key Laboratory of Marine Environmental Science, Xiamen University, 361005, Xiamen, China

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This supplement contains two figures:

Fig. S1 (a) Sampling positions of the SNOMS project in the (sub)tropical Atlantic, and the CDIAC measurements in the same area excluding the coastal region; the latitudinal distributions of (b) salinity, (c) TA and (d) salinity-normalized alkalinity (NTA) from the SNOMS and CDIAC data. The dashed line in panel (d) is the NTAocean calculated from the CDIAC open ocean data. Panel (a) produced using Ocean Data View [*Schlitzer*, 2011].

Fig. S2 (a) Sampling positions of the SNOMS project in the (sub)tropical Pacific excluding the upwelling region in the eastern equatorial Pacific, and the CDIAC measurements in the same area; the latitudinal distributions of (b) salinity, (c) TA and (d) salinity-normalized alkalinity (NTA) from the SNOMS and CDIAC data. The dashed line in panel (d) is the NTAocean calculated from the CDIAC open ocean data. Panel (a) produced using Ocean Data View [*Schlitzer*, 2011].