

Figure 2. The vertical distributions of current ellipses of tides constituents  $K_1$ ,  $O_1$ ,  $Q_1$ ,  $M_2$ ,  $S_2$ , and  $N_2$  at Stations A1(a), A2(b), B1(c), B2(d) and B3(e).

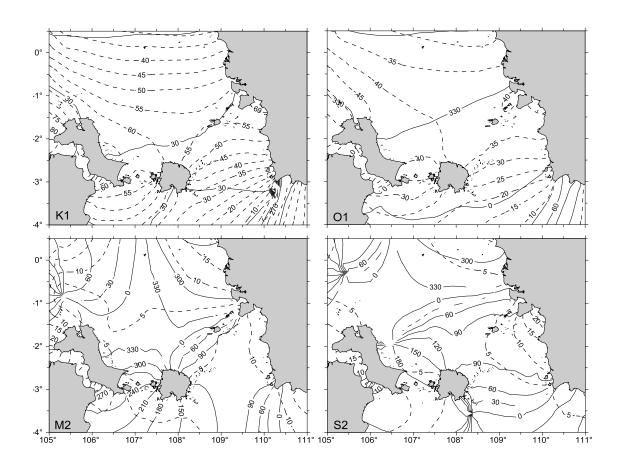


Figure A1. Co-tidal charts for  $K_1$ ,  $O_1$ ,  $M_2$  and  $S_2$  based on DTU10 (Dashed line: amplitude (cm), solid line: phase-lag (  $^{\circ}$ )).