Honolulu, HI: Q1 amplitude 1.8 1.6 1.4 CH 1.2 1.0 annual fitted Q1 amplitudes predicted amplitudes (observed years) projected amplitudes (no MSLR, no non-climatic secular trend) 0.8 changepoint estimation 1940 1960 1980 2000 2020 2040 2060 2080 2100 1920 Honolulu, HI: Q1 phase (Greenwich lag) annual fitted Q1 phases predicted phases (observed years) 200 projected phases (no MSLR, no non-climatic secular trend) changepoint estimation 190 degrees 180 170 160 2060 1940 1960 1980 2000 2020 2040 2080 2100 1920