Honolulu, HI: S2 amplitude annual fitted S2 amplitudes 6.25 predicted amplitudes (observed years) projected amplitudes (no MSLR, no non-climatic secular trend) 6.00 changepoint estimation 5.75 ج <sup>5.50</sup> 5.25 5.00 4.75 4.50 1940 1960 1980 2000 2020 2040 2060 2080 2100 1920 Honolulu, HI: S2 phase (Greenwich lag) 65.0 62.5 60.0 57.5 57.5 55.0 52.5 annual fitted S2 phases 50.0 predicted phases (observed years) projected phases (no MSLR, no non-climatic secular trend) 47.5 changepoint estimation 1960 1980 2000 2020 2040 2060 2080 2100 1940 1920