**S3 Table.** Selected output conditions of the ∆TCO2 method under pCO2 trajectories associated with the RCP 8.5 and RCP 6.0 scenarios.

|  |  |  |  |
| --- | --- | --- | --- |
| **Fjord** | **Condition** | **RCP 8.5** | **RCP 6.0** |
| Rivers Inlet | TCO2\_Anth, μmol kg-1, 2017 surface layer | 50 ± 4 | 48 ± 3 |
| TCO2\_Anth μmol kg-1, 2017 deep layer, | 34 ± 3 | 34 ± 3 |
| First year mean surface layer ΩAr < 1 | 2057 ± 8 | 2073 ± 11 |
|  |  |  |  |
| Bute Inlet | TCO2\_Anth μmol kg-1, 2017 surface layer, | 47 ± 3 | 46 ± 3 |
| TCO2\_Anth μmol kg-1, 2017 deep layer, | 32 ± 2 | 32 ± 2 |
| First year mean surface layer ΩAr < 1 | 2055 ± 8 | 2075 ± 11 |