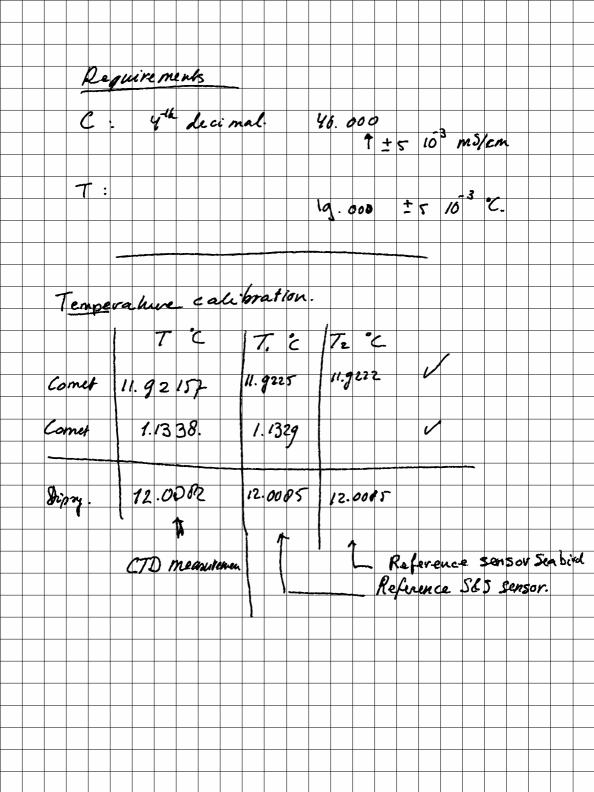
12 Jan 2021 Calibration Explanatory notes on lossy Measurement 1 C mS/cm Dysy Comet Dipsy Cornef bath 20 Psu 2.13477 2.13787 21.38/b/e/ 19.7084 19.7754 19.7822 21.3495 19.7104 ret 19.00100 3.05447 19.78629 3.09249 30 PS4 30. 5587 197 P77 ref ig . 80 42(4) 30.934(4) 405 545 19.5160 4.0667 19.50327 40 PS4 40.5819 19.5176 (P4) 40.6000 rt 19 50 40 mm 5.09037 9. 6320 JOP34 19 6006 5.10877 9.6345 50. 9 538 19 6077 ref 151.10 43 paguired for condication Raw Reading Pz 7 Comet 1814.743 527299 4656. 19142 261535 20 30 5311.3 260732.6 1816. -527201. *90* 59 1078 263 7200 527279.11 1811.56 1814.56 6497 6070 261797.8 527283.500 DY24 20 527612.1 52433 Z 1579.390 5007.83 30 5696.06 1500 5142. 527620.5 273100.0 40 527619.2 6359.63 1575.400 25630P.T 69 79. 39 255 238.7 5276243 1577.17021

(71) Calibration Measurement 2 C mS/an Dysy Comet Dipsy Cornef 19.8095 2.13162 2.12265 19.720g4 19.7226 ref 20 21,2365 e1.3183# 19.8124 30 3.06631 3.07 182 19.7818 19.81304 30.6842 14 30.7654 14 g. 8183 14 19.7835 14 4.055-07 4.0587 40 19.50353 19.51092 40.5642 Fet 40.4738 19 50 3g ref 19.5213 50 509727 5.08213 19.62663 19.67652 50. 9906 rel 50.8993 19.6763 'ef Comet P2 | | \mathcal{P}_3 4653:01 1814.90 261488.0 527299.73 20 1816.69 530834 527282.0 260797.5 30 5911.88 263788.3 5272744 40 1814.66 261900.6 6491.70 527281 50 から 158082 253827.0 4958.42 527611 20 5 704-49 253385 1580.80 5276/P 30 527620.00 6353.310 2563805 1575.2 40 527622.5 6973.56 2552929 15772 Ø



Notes Calibration of Comet and Diny's CTDs at Sex and San on 12 Jan 2021 as preparation for Gulf of laws We chose to use boths 20, 30, 40 and 50 PSUL and Skipped to and 60. We also did a temporature check. In each bath we took 2 readings. First reading the CTO is let into the bath and we wait for about to minute until the reading gets stable. We were out C. T and P values and rolled in top table on page 1 below are added the reference values, labelled (ref) Then the CTO out put is changed to man output and we record the values for P1. Pe P2 and P4. In fact only P2 is used for conductivity calibration. Typical values are 500 Hz or so. Then a Bit of Rest water is added to the both lowering the conductivity slightly wait for about 5 princetes to get a second reading entered into the tables on page 1. After the saline baths the CTO is let into the bath of 17 % and 1° C. to chack the temp reading, which were lound to be within

acceptable limits. This is recorded on page 3. lb further colibration required for temperature. New values were calculated with a simple script from the chasampler package, in the directory extibiations. hucas Merchelbach 13/1/21