Processed Data QAQC PI Manually **Automated QAQC QAQC** Data **OARTOD Tests** IOOS QC Processed CTD Hakai PI Manual Spatial Data Variable Specific: QC ctd.ctd cast data ctd.ctd_qc Gross Range Test Rate of Change Test Hakai Flat line Test Level1 Attenuation Test Aggregation **QARTOD Flag** Spike Test Level1: [1,2,3,4,9] Level2 Flag **Density Inversion Test** Generator Auto/Manual **QARTOD Flag** QC = GOOD,Level2: STR **Hakai Specific Tests** DO Cap sensor Hakai CTD Bottom hit Grey List Provisional CTD Research CTD PAR Shadow Profile Data Profile Data