

code_name	Instrument
units	WOD code
0	UNKNOWN: UNKNOWN
1	MBT: TYPE UNKNOWN
2	XBT: TYPE UNKNOWN
3	DBT: TYPE UNKNOWN
4	CTD: TYPE UNKNOWN
5	STD: TYPE UNKNOWN
6	XCTD: TYPE UNKNOWN
7	BOTTLE: TYPE UNKNOWN
8	UNDERWAY: UNDERWAY DATA COLLECTION INSTRUMEN; TYPE UNKNOWN
13	ANIMAL MOUNTED: TYPE UNKNOWN
101	MBT: GM-39 (Russia)
201	XBT: T7 (UNKNOWN BRAND)
202	XBT: T4 (UNKNOWN BRAND)
203	XBT: T6 (UNKNOWN BRAND)
204	XBT: T5 (UNKNOWN BRAND)
205	XBT: T10 (UNKNOWN BRAND)
206	XBT: T11 (UNKNOWN BRAND)
207	XBT: T7 (SIPPICAN)
208	XBT: T4 (SIPPICAN)
209	XBT: T6 (SIPPICAN)
210	XBT: T5 (SIPPICAN)
211	XBT: T10 (SIPPICAN)
212	XBT: T11 (SIPPICAN)
213	XBT: FAST DEEP (SIPPICAN)
214	XBT: DEEP BLUE (SIPPICAN)
215	XBT: T4 (TSK - TSURUMI SEIKI Co.)
216	XBT: T6 (TSK - TSURUMI SEIKI Co.)
217	XBT: T7 (TSK - TSURUMI SEIKI Co.)
218	XBT: MHI; Academy of Science; Ukraine
219	XBT: T5 (TSK - TSURUMI SEIKI Co.)
220	XBT: T10 (TSK - TSURUMI SEIKI Co.)
221	XBT: XBT-1 (SPARTON)
222	XBT: XBT-3 (SPARTON)
223	XBT: XBT-4 (SPARTON)
224	XBT: XBT-5 (SPARTON)
225	XBT: XBT-5DB (SPARTON)
226	XBT: XBT-6 (SPARTON)
227	XBT: XBT-7 (SPARTON)
228	XBT: XBT-7DB (SPARTON)
229	XBT: XBT-10 (SPARTON)
230	XBT: XBT-20 (SPARTON)

231	XBT: XBT-20DB (SPARTON)
232	XBT: DEEP BLUE (TSK - TSURUMI SEIKI Co.)
233	XBT: AXBT (TSK - TSURUMI SEIKI Co.)
234	XBT: AXBT (UNKNOWN BRAND AND TYPE)
235	XBT: DEEP BLUE; UNKNOWN BRAND
236	XBT: FAST DEEP; UNKNOWN BRAND
237	XBT: SUBMARINE-LAUNCHED EXPENDABLE BATHYTHERMOGRAPH (SSXBT) (SIPPICAN)
238	XBT: AXBT 536 (SPARTON)
301	DBT: BRANCKER RBR XL-200; mBT (Micro BT)
302	DBT: SBE 39 Temperature (& Pressure) Recorder (Sea-Bird Electronics Inc.)
401	CTD: SBE 9 (Deep ocean precision CTD; Sea-Bird Electronics Inc.)
402	CTD: ISTOK-4 (Russia)
403	CTD: EG&G MARK III (EG&G Ocean products)
404	CTD: NEIL BROWN MARK IIIB
405	CTD: SEACAT; TYPE UNKNOWN (Sea-Bird Electronics Inc.)
406	CTD: GUILDLINE; MODEL UNKNOWN
407	CTD: MHI Academy of Science Ukraine)
408	CTD: Institute Oceanography; Academy of Science; Russia
409	CTD: KROSSBIM STD ROSETTES
410	CTD: Sea-Bird Electronics; MODEL UNKNOWN
411	CTD: SBE 911plus (Sea-Bird Electronics Inc.)
412	CTD: BISSETT-BERMAN; MODEL UNKNOWN
413	CTD: JASUS (by M. Du Chaffaut and T. Labadie)
414	CTD: PLESSEY 9040
415	CTD: PLESSEY 9400
416	CTD: PLESSEY 9041
417	CTD: PLESSEY 9060
418	CTD: NEIL BROWN MARK III
419	CTD: HYDRO PRODUCTS 612/912S
420	CTD: NEIL BROWN SMART CTD
421	CTD: PLESSEY; MODEL UNKNOWN
422	CTD: PLESSEY/GRUNDY; MODEL UNKNOWN (Notice Grundy is new Plessey name)
423	CTD: NEIL BROWN DRCM
424	CTD: SBE 102 (Sea-Bird Electronics Inc.)
425	CTD: SBE 911 (Sea-Bird Electronics Inc.)
426	CTD: OCEAN CASSETTE
427	CTD: NEIL BROWN; MODEL UNKNOWN
428	CTD: BECKMAN RS5-3
429	CTD: SBE 19 SEACAT profiler (Sea-Bird Electronics Inc.)
430	CTD: GUILDLINE 8700 aka MARK II
431	CTD: GUILDLINE 8701 (analog CTD)

432	CTD: GUILDLINE 8701 MODIFIED
433	CTD: GUILDLINE 8705
434	CTD: GUILDLINE 8706
435	CTD: GUILDLINE 8709 (portable)
436	CTD: GUILDLINE 8755
437	CTD: GUILDLINE 8770 (portable)
438	CTD: GUILDLINE 8737 "WOCE" (WOCE-specifications)
439	CTD: FSI CTD (Falmouth Scientific Inc.)
440	CTD: BISSETT-BERMAN 9006
441	CTD: BISSETT-BERMAN 9040-2A
442	CTD: ZOND-BATHOMETER
443	CTD: OCEAN SENSORS OS200
444	CTD: CHELSEA INSTRUMENTS; MODEL UNKNOWN
445	CTD: HYDROZOND
446	CTD: SBE 25 SEALOGGER (Sea-Bird Electronics Inc.)
447	CTD: NEIL BROWN MARK IV
448	CTD: NEIL BROWN MARK II
449	CTD: HYDROPOLYTESTER/NEPHELOMETER ZULLIG
450	CTD: MEERESTECHNIK OTS-1200
451	CTD: SBE 9s (Sea-Bird Electronics Inc.)
452	CTD: MODIFIED NEIL BROWN; PACODF CTD-O2
453	CTD: NEIL BROWN MARK V
454	CTD: CHELSEA INSTRUMENTS AQUALINK
455	CTD: OCEAN DATA EQUIPMENT (ODE) 302 CSTD
456	CTD: SBE 41/41CP (Sea-Bird CTD Module for Autonomous Profiling Floats)
457	CTD: FSI CTPS-202-D (Falmouth Scientific Inc.)
458	CTD: AIST (Russia)
459	CTD: FSI ICTD Profiler (Falmouth Scientific Inc.)
460	CTD: OM-87 (Institut fuer Meereskunde Warnemuende; Germany)
461	CTD: NEIL BROWN/GENERAL OCEANICS MARK IIIC
462	CTD: TSK-original CTD sensor (TSK - TSURUMI SEIKI Co.)
463	CTD: SBE 16 SEACAT C-T Recorder (Sea-Bird Electronics Inc.)
464	CTD: SBE 37-IM MicroCAT (Sea-Bird Electronics Inc.)
465	CTD: Fluorometer: Turner Designs; model unknown
466	CTD: Fluorometer: Instrument manufacturer and model unknown
467	CTD: Fluorometer: Aiken (1981)
468	CTD: Transmissometer: SeaTech 25-cm pathlength 660 nm wavelength (Beam C)
469	CTD: Transmissometer: Instrument manufacturer and model unknown
470	CTD: SBE 19plus SEACAT profiler (Sea-Bird Electronics Inc.)
471	CTD: MEERESTECHNIK ELEKTRONIK
472	CTD: Transmissometer: Chelsea Alpha tracka Mk II 25-cm pathlength 660-nm wavelength

473	CTD: CTD 90M - Multiparameter Memory Probe (Sea & Sun Technology GmbH/LTD)
474	CTD: Transmissometer: C-Star 25-cm pathlength 660 nm wavelength (Beam Cp; WET Labs USA)
475	CTD: ISTOK-3 (MHI Ukraine)
476	CTD: ISTOK-5 (MHI Ukraine)
477	CTD: ISTOK-7 (MHI Ukraine)
478	CTD: KATRAN-4S (Shirshov IO Russia)
479	CTD: OCEAN-2 (Shirshov IO Russia)
480	CTD: OCEAN-3 (Shirshov IO Russia)
481	CTD: OLT profiler (MHI Ukraine)
482	CTD: ShIK-01 (MHI Ukraine)
483	CTD: ShIK-02 (MHI Ukraine)
484	CTD: GUILDLINE MARK IV
485	CTD: Hydrolab Surveyor 3
486	CTD: WetLabs Eco fluorometer for color dissolved organic matter (CDOM)
501	STD: PLESSEY 9006
502	STD: PLESSEY 8400
503	STD: PLESSEY 9040
504	STD: PLESSEY 9041
505	STD: ED 9071
506	STD: APMCRO 12
507	STD: Hydrolab in situ salinometer (circa 1960s)
508	STD: AML STD-12 (aka AML CTD-12)
509	STD: BISSETT-BERMAN 9040
510	STD: SALINOMETER GM 65
511	STD: HYTECH MODEL 9006
512	STD: APPLIED MICROSYSTEMS 12 PLUS
513	STD: SUBMARINE OCEANOGRAPHIC DIGITAL DATA SYSTEM (U.S. NAVY)
514	STD: InterOcean Systems Inc. Model 513-10 CSTD
515	STD: 9040 STD (UNKNOWN BRAND)
516	STD: 9040 STD-SV (UNKNOWN BRAND)
517	STD: 9060 STD (UNKNOWN BRAND)
518	STD: InterOcean Systems Inc. T-S Bridge
601	XCTD: STANDARD (SIPPICAN)
602	XCTD: DEEP (SIPPICAN)
603	XCTD: AXCTD (SIPPICAN)
604	XCTD: SSXCTD (SIPPICAN)
605	XCTD: UNKNOWN (SIPPICAN)
606	XCTD: XCTD (TSK - TSURUMI SEIKI Co. 1000 meter max)
607	XCTD: AXCTD (TSK - TSURUMI SEIKI Co.)
608	XCTD: XCTD-2 (TSK - TSURUMI SEIKI Co.)
609	XCTD: XCTD-2F (TSK - TSURUMI SEIKI Co.)

610	XCTD: XCTD-1 (TSK - TSURUMI SEIKI Co.)
611	XCTD: XCTD-3 (TSK - TSURUMI SEIKI Co.)
701	BOTTLE: BATHOMETER (Russia)
702	BOTTLE: TRACE METAL FREE BOTTLE
703	BOTTLE: OPEN BUCKET
704	THERMISTER CHAIN
705	BOTTLE: WHOI-developed SEA SAMPLER (circa 1950 MBT ON BOTTLE ROSETTE)
706	BOTTLE: VAN DORN
707	BOTTLE: Salinometer brand/model unknown (generic)
708	BOTTLE: Guildline Autosal (model unknown)
709	BOTTLE: Guildline model 8400 Autosal
710	BOTTLE: Guildline model 8400A Autosal
711	BOTTLE: Guildline model 8400B Autosal
712	BOTTLE: Guildline model 8410 Portasal
713	BOTTLE: Guildline model 8410A Portasal
714	BOTTLE: Salinometer Kahlsico R-10
715	BOTTLE: Salinometer AGE Minisal 2100
716	BOTTLE: GERARD-EWING SAMPLER
717	BOTTLE: Autolab Inductive Salinometer
718	BOTTLE: Nansen water sampler; UNKNOWN BRAND & MODEL
719	In-Situ: Automated dissolved oxygen sensor: brand and model unknown
720	In-Situ: Automated dissolved oxygen sensor: Beckman polarographic; model unknown
721	In-Situ: Automated dissolved oxygen sensor: SBE 43 dissolved oxygen sensor Clark polarographic membrane
722	BOTTLE: Continuous Flow Autoanalyzer (CFA): Instrument manufacturer and model unknown
723	BOTTLE: Continuous Flow Autoanalyzer (CFA): Technicon; model unknown
724	BOTTLE: Autoanalyzer: Sumigraph analyzer; model unknown
725	BOTTLE: Continuous Flow Autoanalyzer (CFA): Alpkem; model unknown
726	BOTTLE: Continuous Flow Autoanalyzer (CFA): Skalar; model unknown
727	BOTTLE: Autoanalyzer: CEC Elemental Analyzer [BATS: gf/f (0.7 um)]
728	BOTTLE: Autoanalyzer: Perkin Elmer Model 240B Elemental Analyzer [CEAREX: gf/f]
729	BOTTLE: Autoanalyzer: Yanagimoto CHN Analyzer [KH754: Type C gf/f]
730	BOTTLE: Autoanalyzer: Perkin Elmer Model 2400 Elemental Analyzer [FRONTS]
731	BOTTLE: Continuous Flow Autoanalyzer (CFA): Technicon AAll
732	BOTTLE: Continuous Flow Autoanalyzer (CFA): ChemLab AAll
733	BOTTLE: Continuous Flow Autoanalyzer (CFA): Bran+Luebbe trAAcs; model unknown
734	BOTTLE: HPLC: High Performance Liquid Chromatography; model unknown

735	BOTTLE: Automated titrator: type unknown
736	BOTTLE: Methrohm Dosimat 665 automatic buret
737	BOTTLE: Radiometer reference pH meter PHM-93; PHC-2085
738	BOTTLE: Hirama Riken laboratory photometric titrater (ART-3 D0-1)
739	BOTTLE: Klehn 50100 auto-titrator (Friederich et al.; 1991)
740	BOTTLE: Continuous Flow Autoanalyzer (CFA): Bran+Luebbe trAAcs 800
741	BOTTLE: Continuous Flow Autoanalyzer (CFA): Chemlab
742	BOTTLE: Lachat QuikChem 8000 FIA+ (Flow Injection Analyzer)
743	BOTTLE: Continuous Flow Autoanalyzer (CFA): WESTCO CS-9000 sampler
745	BOTTLE: Continuous Flow Autoanalyzer (CFA): Bran+Luebbe III
750	BOTTLE: Fluorometer; TD-700
755	BOTTLE: Autoanalyzer: Perkin+Elmer PE2400 CHNS elemental analyzer
760	BOTTLE: Sub-surface continuous water pump sampler; brand and model unknown
765	BOTTLE: Beckman pH meter Model G
766	BOTTLE: pH meter manufactured by the Chesapeake Bay Institute; John Hopkins University (model unknown)
767	BOTTLE: Horiba pH meter - Automatic Temperature Compensation (model unknown)
768	BOTTLE: Induction conductivity and temperature instrument (Schiemer and Pritchard; 1961)
769	BOTTLE: Utopia Instruments Corp. (UIC) model 5011 Coulometer
770	BOTTLE: Continuous Flow Autoanalyzer (CFA): Skalar Sanplus Autoanalyzer
771	BOTTLE: Radiometer automatic titrator TTT80 & dual platinum electrode
772	BOTTLE: Fluorometer; Turner Designs; model unknown
773	BOTTLE: Fluorometer; Turner Designs; model 10-005 R
774	BOTTLE: Fluorometer; Turner Designs; model 10-AU-005-CE
775	BOTTLE: Hale apparatus with thermometer (Prestwich 1875)
776	BOTTLE: Ionometer electrolyte analyzer (Brand: Unknown; Model: EV 74)
777	BOTTLE: AKEA autoanalyzer
778	BOTTLE: Dissolved organic carbon (DOC) Shimadzu Total Organic Carbon Analyzer
779	In-Situ: Automated dissolved oxygen sensor: SBE 13 dissolved oxygen sensor
780	CTD: Fluorometer: SeaTech; model unknown
781	CTD: Transmissometer: C-Star 10-cm pathlength 660 nm wavelength (WET Labs)
782	CTD: Fluorometer: WET Labs ECO-AFL
783	CTD: Fluorometer: Chelsea; model unknown
784	CTD: Transmissometer: SeaTech 5.0 cm 660 nm wavelength
785	CTD: Fluorometer: WET Labs WetStar
786	CTD: Fluorometer: Seapoint Chlorophyll Fluorometer (Seapoint Sensors Inc.)
787	BOTTLE: Fluorometer; Turner Designs; model 10

788	BOTTLE: Fluorometer; Turner Designs; model 10-AU
789	In-Situ: Automated dissolved oxygen sensor: Aanderaa Oxygen Optode 3975
4001	CTD: Transmissometer: IOS SeaTech red light (661 nm) 1-m pathlength
7013	BOTTLE: Beckman DU II spectrophotometer
7014	BOTTLE: Spectronic 20 spectrophotometer
7016	BOTTLE: Beckman pH meter model G-2 or GS
7017	BOTTLE: Beckman pH meter model unknown
7018	BOTTLE: Klett-Summerson photo-electric colorimeter (Garver 1951)
7019	BOTTLE: Photo-electric colorimeter (Brand: Unknown; Model FEK 60)
7020	BOTTLE: Gas chromatograph (GC) with electron capture detector (ECD); model unknown
7050	BOTTLE: Kahlisco induction salinometer; model unknown.
7060	BOTTLE: Generic glass reversing thermometers (protected/unprotected)
801	UNDERWAY: MK3 data recording tag (Wildlife Computers) mounted on elephant seal
802	UNDERWAY: THERMOSALINOGRAPH; UNKNOWN BRAND & MODEL
803	UNDERWAY: SEACAT Thermosalinograph SBE 21 (Sea-Bird Electronics Inc.)
1301	ANIMAL MOUNTED: TDR (Time-Depth Recorder) Tag (Wildlife Computers)