## OCEAN - SEA ICE - ATMOSHPERE INSTRUMENTATION

| INSTRUMENTATION | ADDITIONAL INFORMATION |
|---|---|
| **UPPER ATMOSPHERE** | |
| MICROWAVE RADIOMETRIC PROFILER (MWRP) | T & RH UP TO 10KM |
| ALL-SKY CAMERA | UPWARD LOOKING CAMERA |
| CEILOMETER | CLOUD BASE HEIGHT |
| **ON ICE METEOROLOGY** | |
| METEOROLOGICAL SURFACE TOWER - 2 UNITS | TEMPERATURE, WIND SPEED & DIRECTION, PRESSURE, RELATIVE HUMIDITY |
| **SHIP BASED METEOROLOGY** | |
| IR TRANSDUCER | SEA SURFACE TEMPERATURE |
| ANEMOMETER | |
| BAROMETER | |
| T/RH PROBE | |
| PYRANOMETER & PYRGEONOMETER | LW/SW |
| **SEA ICE/SNOW** | |
| FORWARD LOOKING INFRARED CAMERA (FLIR) | |
| MICROWAVE RADIOMETER (PMW) | 37 & 89 GHZ |
| ICE CORE BARRELS | |
| 8" AUGER AND GAS POWERED HEAD | |
| HONDA GENERATOR | |
| TEMPERATURE PROBE | |
| SALINOMETER | |
| 2" AUGER AND ICE THICKNESS TAPE | |
| ICE BEACONS | |
| SURFACE EMI SLED | ICE THICKNESS TRANSECTS |
| SNOW DENSITY CUTTERS / SAMPLING KIT | |
| EXTENDED RANGE SPECTROMETER | |
| OPTICAL SPECTROMETERS / POLARIMETRIC RADAR SCATTEROMETER | |
| DIGICORA RADIOSONDE SYSTEM | |
| APT SATELLITE RECEPTION ANTENNA | |
| SEA ICE MICROSTRUCTURE EQUIPMENT | |
| 19-GHZ RADIOMETER | |
| SEAWIFS PROFILING COMPATIBLE SPECTROMETER | |
| WATER VAPOUR PROFILING RADIOMETER | |
| ICE BUOYS | |
| **UPPER OCEAN** | |
| IDRONAUTS (CTD) | |
| CURRENTMETER WITH IRIDIUM SATELLITE CONNECTION (AOS) | NORTEK AQUADOPP (ADCPS) |
| **AERIAL PHOTOGRAMMETRY** | |
| DRONES (UAV) - QUADCOPTER AND HEXCOPTER WITH CAMERAS | |