**BGC Profiling Float Workshop Agenda**

Day 1, July 9, 2018
Breakfast at 0800
[Morning session rapporteur B. King]

0830-0850  Introduction and Rationale (Riser)
0850-0950  A discussion of basic float technology: buoyancy engine, CTD (Riser) (hands-on demo)

**0950-1020 BREAK**

Basic BGC sensors (theory of operation, basics of lab calibration, etc.) (Johnson)
1020-1120  O₂ (Bushinsky)
1120-1220  Nitrate (Johnson)

**1220-1320 LUNCH** (plus lab tours)

[afternoon session rapporteur A. Fassbender]
1320-1420  (c) pH (Takeshita)
1420-1520  (d) FLBB (Plant)

**1520-1550 BREAK**

1550-1630  Some programs using BGC floats, underway and future (BGC Argo; SOCCOM, etc.) (discussion led by Johnson/Claustre)

1630-1730  Plans/updates from international float programs
- Mexico
- Canada
- Norway
- Brazil
- France
- Japan
- UK
[Note: there will be some additional time for discussion of these issues on the afternoon of Day 3]

**1730 RECEPTION** (Ocean Sciences Building Lobby)
Day 2, July 10, 2018
Breakfast at 0800
[morning session rapporteur B. Carter]
0830-1030  Sensor adjustment/calibration using field data (30 minutes each) (Johnson)
  - Oxygen (Bushinsky)
  - Nitrate (Johnson)
  - pH (Takeshita)
  - FLBB (Plant)

1030-1100  BREAK

1100-1230  The path from float data collection to data availability (30 minutes each) (Maurer/Plant/Claustre)
  - Data adjustments and calibration procedures (SOCCOM SAGE_O2 and SAGE)
  - Online data availability
  - Archiving: Argo GDAC – Coriolis

1230-1330  LUNCH (plus lab tours)
[afternoon session rapporteur N. Williams]
1330-1500  Shipboard support measurements: the synergy of BGC floats and GO-SHIP; measurements outside of GO-SHIP (Talley)

1500-1530  BREAK

1530-1700  Scientific issues that can be addressed by BGC float technology and the potential development of future proposals. [Note: there will be a more detailed discussion of BGC-Argo later] (discussion led by Johnson/Riser/Talley) Various participants will contribute.

1730  DINNER AT SEABIRD ELECTRONICS (leave UW at 1730; transportation provided by SBE)
Day 3, July 11, 2018
Breakfast at 0800
[morning session rapporteur A. Gray]
0830-0945 Additional BGC sensors and characteristics of sensors from different manufacturers; development of new sensors and future capabilities (20 minutes each) (Martz)
   - Irradiance, plankton imaging, transmissometer beam C (Claustre)
   - Total Alkalinity, DIC (Martz, Briggs)
   - Gas tension device (GTD), N₂ (Altabet)

0945-1030 BGC float data centers and data distribution; the use of BGC float data, real-time and adjusted; formatting of BGC float data; getting BGC data from Argo and from other online sources (Johnson/Plant/Maurer)

1030-1100 BREAK

1100-1200 Tools for calibration and estimation of other carbon parameters from BGC float data (20 minutes each) (Carter/Williams)
   - MLRs/LIAR (Carter)
   - pCO2 corrections from pH (Williams)
   - CANYON (Claustre)

1200-1300 LUNCH (plus lab tours)

[afternoon session rapporteur T. Martz]
1300-1500 BGC Argo: the relationship to core-Argo and BGC float experiments: what, where, when, why, cost, etc. (Johnson/Riser)
   - BGC Argo relationship to Argo
   - EEZ issues, IOC clearances, data system, core floats

1500-1530 BREAK

1530-1700 Continue the discussion of BGC Argo (possible national participation, possible resources, how to continue the planning process, possible new programs) (Johnson/Riser)
Day 4, July 12, 2018
Breakfast at 0800
[morning session rapporteur R. Hamme]
Presentations from manufacturers of BGC float and sensor technology (1-2 hours each) (Riser)

0830-1000 SeaBird Electronics

BREAK

1030-1200 Teledyne/Webb

LUNCH (30 minutes) (plus lab tours)

(afternoon rapporteur S. Bushinsky)
1230-1345 NKE
1345-1500 RBR

BREAK

1530-1630 Aanderaa
1630-1730 Rockland
(ends at 1730)

Day 5, July 13, 2018
Breakfast at 0830
[rapporteur J. Plant]
0900-1030 Meeting summary and discussion; next steps; the connection between individual researchers and larger projects; a summary of potential scientific proposals (Johnson/Riser/Talley)

1030-1100 BREAK

1100-1200 Final closing discussion and remarks (Johnson/Riser/Talley etc.)

Meeting ends (lab tours available in the afternoon)