

IMOS NRS Biogeochemical Sampling - field log sheet

Please record times in Local time (essential) / UTC time (if known)

| | | | | | |
|------------------|----------|------------------|-------------|--------------------------|------------|
| Date UTC | 3/07/14 | Personnel: | CA,DT,DF,MR | Site Code: | MAI |
| Date Local | 3/07/14 | | | | |
| Start Time UTC | 01:30 | Sonic. Depth: | 88.4m | Cloud Cover: | 2/8 |
| Start Time Local | 11:30 | Air Temp: | 13.0 | Tide: | |
| Wind Speed: | 25 knots | Wind Direction: | NW | Vessel: | South Cape |
| Latitude (dec): | 42.599S | Longitude (dec): | 148.233E | Calc. Secchi disc depth: | 19 m |

CTD CAST Pre-Deployment Soak (3 Min) yes

| | |
|------------------|---|
| Start Time: | 02:05 |
| Cast Depth: | 80 |
| Line / wire out: | 85 |
| File Name: | IMOS_ANMN_NRS_CTP_140703_NRSMAL_FV00_CTDPRO.cnv |

ZOOPLANKTON DROP NET

| | | | |
|---|--------|---------------------|-------|
| Drop 1: white jar preserved with 50 mL formalin | 75 sec | Time collected: UTC | 01:45 |
| Drop 2: white jar preserved with 50 mL formalin | 75 sec | Time collected: UTC | 01:52 |
| Drop 3: cool black plastic jar | 70 sec | Time collected: UTC | 01:59 |

NISKIN BOTTLES - FIRST CAST Start / Finish Time 02:56

| Depth | Niskin # | DO # | TCO ₂ | ALK | Nutrient # | Salinity # | Carboy volume |
|-------|----------|------|------------------|-----|------------|------------|---------------|
| 0 | | 102 | Yes | Yes | 1 | 149 | 3 |
| 10 | | 103 | Yes | Yes | 2 | 150 | 3 |
| 20 | | 104 | | | 3 | 151 | 3 |
| 30 | | 105 | Yes | Yes | 4 | 152 | 3 |
| 40 | | 106 | | | 5 | 153 | 3 |
| 50 | | 108 | Yes | Yes | 6 | 154 | 3 |

NISKIN BOTTLES - SECOND CAST Start / Finish Time: 02:22/02:55

| | | | | | | | |
|----|--|-----|-----|-----|---|-----|--|
| 60 | | 427 | | | 7 | 155 | |
| 75 | | 429 | Yes | Yes | 8 | 156 | |
| 85 | | 434 | Yes | Yes | 9 | 157 | |

Comments:

NISKIN BOTTLE- CAST FOR WQM PIGMENT CALIBRATION

| | | | | | |
|-------------|-----|----------|--|--------------------|-------|
| Upper Depth | 20m | Niskin # | | Time Collected UTC | 02:30 |
| Lower Depth | 85m | Niskin # | | Time Collected UTC | 02:30 |

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IMOS NRS Biogeochemical post sampling

Please record times in Local time (essential) / UTC time (if known)

TSS filtering ("Water column") carboy

| Date: UTC | Start time: UTC | Site Code | Filter No. | Vol. Filt. (L) | Comments |
|-----------|-----------------|-----------|------------|----------------|----------|
| | | | | | |
| 3/07/14 | 07:05 | MAI | 1026 | 4.0 | |
| 3/07/14 | 07:05 | MAI | 1027 | 4.0 | |

HPLC pigment filtering ("Water column") carboy - aim for 4 litres

| Start time | Vol. Filt. (L) | Comments |
|------------|----------------|----------|
| 07:05 | 4.0 | |
| | | |

HPLC pigment filtering (5 litre sample for UPPER WQM) - aim for 4 litres

| Start time | Vol. Filt. (L) | Comments |
|------------|----------------|----------|
| 07:05 | 4.0 | |
| | | |

HPLC pigment filtering (5 litre sample for LOWER WQM) - aim for 4 litres

| Start time | Vol. Filt. (L) | Comments |
|------------|----------------|----------|
| 07:05 | 4.0 | |
| | | |

Microscopic phytoplankton - Species composition ("Water column" carboy)

| Start time | Sample preserved Y/N | Comments |
|------------|----------------------|----------|
| 07:30 | Yes | |

Flow cytometry - ("Water column" carboy)

| Start time | Sample preserved Y/N | Comments |
|------------|----------------------|----------|
| 07:50 | Yes | |

Zooplankton Genetic filtering ("Black Plastic Jar") – Drop net

| Start time | Conc. Sample | In Cryovial | Cryovial in -80 freezer | Comments |
|------------|--------------|-------------|-------------------------|----------|
| 07:20 | yes | yes | yes | |

COMMENTS / Personnel
Lesley C.