**Scott Reef Shallow Reef Instrument Deployment**

\* All instruments to be retrieved by the Falkor

Deployed from RV Solander:

* 4 pressure sensor (wave gauges) on the forereef at depths between 10-15 m [Sites 1A-PT, 2A-PT, 3A-PT, 4A-PT]
* 3 sites Nortek Aquadopp profilers on the reef flat [Sites 1B-ADP, 3B-ADP, 4B-ADP]

Instruments and coordinates:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Site** | **Ship** | **Deployed by** | **Instrument type** | **Lon** | **Lat** | **Predicted depth (m)** | **Owned by** | **Surface float** | **Target Depth (m)** |
| 1A-PT | Solander | Rope lowering | RBR pressure sensor | 121.7201 | -14.1098 | 15.9 | UWA | Yes | 10-15 m \* |
| 1B-ADP | Solander | Snorkel | Nortek 1MHz ADP (HR) | 121.7332 | -14.1101 | 1.2 | AIMS | No | Reef flat |
| 2A-PT | Solander | Rope lowering | RBR pressure sensor | 121.7617 | -14.1956 | 14.3 | UWA | Yes | 10-15 m \* |
| 2B-ADP | Falkor | Snorkel | Nortek 2MHz ADP (HR) | 121.7640 | -14.1921 | 0.5 | UWA | No | Reef flat |
| 2C-ADP | Falkor | Snorkel | RDI 1200 kHz ADCP | 121.7664 | -14.1887 | 1.1 | UWA | No | Reef flat |
| 2D-ADP | Falkor | Snorkel | Nortek 2MHz ADP (HR) | 121.7703 | -14.1830 | 1.8 | UWA | No | Reef flat |
| 2E-PT | Falkor | Rope lowering | RBR pressure sensor | 121.7756 | -14.1743 | 19.1 | UWA | Yes | 20 m |
| 3A-PT | Solander | Rope lowering | RBR pressure sensor | 121.9799 | -14.0855 | 16.8 | UWA | Yes | 10-15 m \* |
| 3B-ADP | Solander | Snorkel | Nortek 2MHz ADP | 121.9677 | -14.0854 | 1.9 | UWA | No | Reef flat |
| 3C-PT | Falkor | Rope lowering | RBR pressure sensor | 121.9431 | -14.0840 | 36.1 | UWA | Yes | 20 m |
| 4A-PT | Solander | Rope lowering | RBR pressure sensor | 121.9183 | -13.9277 | 15.5 | UWA | Yes | 10-15 m \* |
| 4B-ADP | Solander | Snorkel | Nortek 2MHz ADP | 121.9144 | -13.9304 | 1.1 | AIMS | No | Reef flat |
| 4C-AWAC | Falkor | Rope lowering | Nortek 1MHz AWAC | 121.8990 | -13.9270 | 8.2 | AIMS | Yes | Max 20 m |
| 5A-AWAC | Falkor | Rope lowering | Nortek 600kHZ AWAC | 121.8508 | -14.0082 | 12.1 | AIMS | Yes | Max 20 m |
| 6A-AWAC | Falkor | Snorkel | Nortek 1MHz AWAC | 121.8408 | -13.9402 | 1.9 | UWA | No | Reef flat |
| 7A-ADCP | Falkor | Rope lowering | RDI 600 kHZ ADCP | 121.8862 | -13.9552 | 20.2 | UWA | Yes | At location |
| 7B-PT | Falkor | Rope lowering | RBR pressure sensor | 121.8682 | -13.9849 | 18.5 | UWA | Yes | Max 20 m |
| 8A-PT | Falkor | Rope lowering | RBR pressure sensor | 121.8545 | -14.0209 | 11.8 | UWA | Yes | 10-15 m \* |

\* Deploy so minimum depth at low tide is not less than 10 m and high tide depth not greater than 20 m. Design with 25 m of rope to float.