# PRE-CRUISE PLANNING & CHECKLIST

## General Info

<table>
<thead>
<tr>
<th>Ship</th>
<th>MELVILLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cruise</td>
<td>QPE 2</td>
</tr>
<tr>
<td>Dates</td>
<td>13 – 21 AUG</td>
</tr>
<tr>
<td>Loading Date(s)</td>
<td>11 – 13 AUG</td>
</tr>
<tr>
<td>Off-loading Date(s)</td>
<td>21 AUG</td>
</tr>
<tr>
<td>Chief Scientist</td>
<td>LUCA CENTURIONI</td>
</tr>
<tr>
<td>Start Port</td>
<td>CHI-LUNG</td>
</tr>
<tr>
<td>Intermediate Ports</td>
<td></td>
</tr>
<tr>
<td>End Port</td>
<td>CHI-LUNG</td>
</tr>
<tr>
<td># of Scientific Participants</td>
<td>2 + 2 SIO TECHS  NTOU INVOLVEMENT</td>
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</tbody>
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## Equipment Requirements

### 24 HOUR OPERATIONS ?

- **Trawl Winch** (9/16”M, 0.680EM)
- **CTD Winch** (0.322EM)
- **CTD Equipment**
- **Hydro Winch** (0.25’M)
- **Portable Winches** NO
- **Navigation**
- **Dynamic Positioning**
- **Multibeam Sonar**
- **ADCP**
- **Doppler Sonar**
- **PDR** (3.5kHz, 12kHz)
- **Magnetometer**
- **Gravity**
- **IMET**
- **XBT**
- **Air Compressor Vans**
- **Coring (Gravity, Piston, Multi, etc.)**
- **Explosives**
- **Containers/Vans**
- **Electrical, Special Requirements**
- **Foreign Shipments** TAIWAN
- **Isotopes**
- **Hazmat (chemicals, lithium batteries) Battery Specialties ??**
- **Hazmat response issues**
- **Laser**
- **Freezers/Reefers**
- **SIO Technicians**
- **Data Processing**
- **Communications**
- **Clearances**
- **INTERNET Rqmts**

## Additional Notes

1. **WIRELESS ISSUES**

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SCRIPPS INSTITUTION OF OCEANOGRAPHY  
NIMITZ MARINE FACILITY
2. RESTRAINED DRIFTERS 150 METER WATER DEPTH 650 LB LAUNCH BOX
   Launch from crane? 5 launches. Survey bottom
3. 48 drifters Hand launched
4. Taiwan fishing boat watching drifters