## 2001 Ship Operations Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Voyage</th>
<th>Location</th>
<th>Operator</th>
<th>Project Code</th>
<th>Country(ies)</th>
</tr>
</thead>
<tbody>
<tr>
<td>04 AUG</td>
<td>IN1/Red Sea</td>
<td>N.A./None/</td>
<td></td>
<td>Piraeus</td>
<td>8/NSF/F</td>
</tr>
<tr>
<td>11 AUG</td>
<td>Transit</td>
<td>OCE00</td>
<td></td>
<td>At Sea</td>
<td>No</td>
</tr>
<tr>
<td>12 AUG</td>
<td>IN1/Red Sea</td>
<td>Johns, Wm/RSMAS</td>
<td>At Sea</td>
<td>7/NAVY/F</td>
<td>Djibouti, Sudan, Djibouti</td>
</tr>
<tr>
<td>19 AUG</td>
<td>Oceanography</td>
<td>MPO/ONR</td>
<td></td>
<td>Djibouti</td>
<td>Djibouti, Eritrea, Somalia, Yemen, Djibouti</td>
</tr>
<tr>
<td>21 AUG</td>
<td>IN1/Gulf of Aden</td>
<td>Johns, Wm/RSMAS</td>
<td>MPO/ONR</td>
<td>Djibouti</td>
<td>26/NSF/F</td>
</tr>
<tr>
<td>12 SEP</td>
<td>REDSOX - Oceano.</td>
<td>MPO/OCE98-19506</td>
<td></td>
<td>Djibouti, Eritrea, Somalia, Yemen, Djibouti</td>
<td></td>
</tr>
<tr>
<td>15 SEP</td>
<td>IN1/Gulf of Aden</td>
<td>Driscoll/WHOI/</td>
<td></td>
<td>Djibouti</td>
<td>41/NSF/F</td>
</tr>
<tr>
<td>21 OCT</td>
<td>MCS, OBS / ODP</td>
<td>OCE99-11877</td>
<td></td>
<td>Seychelles</td>
<td>Eritrea, Somalia, Yemen, Djibouti</td>
</tr>
</tbody>
</table>
In preparation for work in Red Sea/Gulf of Aden:

- Contacted other ship operators and agencies regarding their experiences, points of contact, and procedures when operating in this area or similar areas.
  - NOAA
  - WHOI
  - Geophysical Operators
  - Foreign R/V operators
  - Department of State-Regional Security Officer on embassy staff
Follow up contacts/sources of information included:

- Maritime security firms
- Office of Naval Intelligence, Charles Dragonette
- Piracy Center Kuala Lumpur
  - [www.icbo.org/ccs/frame/frame/html](http://www.icbo.org/ccs/frame/frame/html)
- Maritime Security Council
  - [www.maritimesecurity.org](http://www.maritimesecurity.org)
- MARAD
  - [www.marad.gov](http://www.marad.gov)
- National Imagery and Mapping Agency (NIMA)
  - [pollux.nss.nima.mil/index/index.html](http://pollux.nss.nima.mil/index/index.html)
Increase in shipboard security:

- Added additional bridge watchstander
- Employing of contractor to provide
  - Training for crew during leg from Piraeus to Djibouti
    - Detection
    - Deterrence
    - Response
  - Assistance developing a ship’s security plan
    - Inport
    - Underway
Gulf of Aden
Response to the incident:

- LDEO Director, Marine Staff consulted with NSF, PI and Chief Scientist as to potential course of action.
- Science was limited to outside 50 nm Yemen and Somalia.
- Reports of incident made to other agencies.
- Discussions initiated with PI and NSF to revise EW0111, a MARGINS program in Gulf of Aden. 80% of program within 50 nm of Yemen and Somalia.
- Marine Supt. and Marine Science Coordinator to Djibouti port call.
Arrival Djibouti

- EWING arrived 12 September.
- Science party departed 12 September.
- EW0111 in Gulf of Aden (and Arabian Sea option) canceled.
- Sailed for Seychelles 13 September.
20/20 Hindsight-

- Usefulness of shoreside contingency plan
- Benefit of increased training in shipboard security both inport and underway.
- Reconsider practices/policies regarding use of force/small arms on research vessels and/or use of shipboard security teams.
- Guidelines for assistance to operators and sponsoring agencies in evaluating risks to personnel and vessels in specific areas/regions of the world.
- Recognition of operational risks associated with piracy, political instability, and acts of violence should be given consideration when programs are being funded.
Red Sea/ Gulf of Aden Reported Incidents from 1995 to Present