**NOAA DART Buoy Deployment B-Roll**

Technical Note: Buoy deployed during this mission utilizes DART-I technology.

For copies: call Video Transfer Inc., (301) 881-0270.  For content information: E-mail broll@noaa.gov

Please credit “NOAA” in your Chyron.

<table>
<thead>
<tr>
<th>Time Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1:00:00:00 | **Mission overview video** TRT 5:43  
Designed for reference only to explain system components, purpose and nature of mission, and phase-by-phase description of operations. All footage in this video also appears uncut in the ensuing b-roll. |
| 1:05:54:00 | **B-Roll and Interviews** TRT 21:21 |
| 1:06:05:00 | **NOAA Ship HI'IALAKAI**  
Docked in Portland, Ore. Several Views |
| 1:06:51:00 | **DART buoy: replacement for malfunctioning buoy**  
secured to fantail deck of HI'IALAKAI |
| 1:07:23:00 | **Bottom Pressure Recorder (BPR)**  
to be deployed with new buoy. Slate provides text describing its use. |
| 1:07:44:00 | **Ship leaves Portland** 13 FEB 2005  
07:49 Pulling in lines  
07:58 Hoisting anchor  
08:18 B-Roll of ship's commanding officer CDR Scott Kuester  
08:28 Navigational chart: Port of Portland |
| 1:08:46:00 | **Engineers & Technicians from the NOAA National Data Buoy Center**  
Shannon McArthur (chief scientist), Mike Brewer, Kendal Michel, Bill Hansen  
Preparing buoy and BPR for deployment |
| 1:09:39:00 | **Arrival at site of malfunctioning buoy; 190 miles SW of Seattle, Wash.**  
Crew prepares for buoy and BPR recovery operations  
09:45 buoy in the water  
10:00 deck crew prepares for retrieval operations |
| 1:10:05:00 | **Engineers & Technicians from the NOAA National Data Buoy Center**  
Shannon McArthur (chief scientist), Mike Brewer, Kendal Michel, Bill Hansen  
After BPR is released from its mooring anchor and begins rising to surface, Kendal lowers a transducer over the side which communicates with the BPR, allowing technicians to locate it. |
| 1:10:36:00 | **Retrieval of BPR**  
With flotation provided by highly visible, yellow-encased, glass-ball flotation devices, the BPR reaches the surface and is sighted. The BPR is then recovered with a grappling hook (10:49) and retrieved via the ship's crane (10:54). |
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 1:12:13:00 | **Deployment of replacement buoy**  
Existing mooring chain, still anchored to the ocean floor, has been taken off the "old" buoy and attached to the replacement buoy, which is then deployed.  
14:00 Release of buoy, applause  
14:17 Buoy in the water  
15:11 Crew preps for next operation |
| 1:15:21:00 | **Deployment of replacement BPR**  
BPR, attached to a steel-plate anchor capable of sinking BPR and its glass-ball flotation system, is deployed via ship's crane. |
| 1:16:30:00 | **Engineers & Technicians from the NOAA National Data Buoy Center**  
Shannon McArthur (chief scientist), Mike Brewer, Kendal Michel, Bill Hansen  
Just-deployed BPR immediately begins transmitting depth information as it descends, which is received and monitored by NDBC technicians. |
| 1:17:50:00 | **Ocean and wind conditions**  
B-Roll of American flag in high winds, roiling ocean, horizon tilting, gyrocompass in pilot house. |
| 1:18:48:00 | **Interview: CDR Scott Kuester**  
Commanding Officer, NOAA Ship HI'IALAKAI |
| 1:20:22:00 | **B-Roll: Shannon McArthur**  
Operational Manager, DART Tsunami Warning System, NOAA National Data Buoy Center – Shannon with CDR Scott Kuester and other ship personnel. |
| 1:21:50:00 | **Interview: Shannon McArthur**  
Interview #1: prior to deployment. Explains objectives, demonstrates system |
| 1:23:58:00 | **Interview: Shannon McArthur**  
Interview #2: after deployment. Addresses frequently asked questions. |
| 1:27:21:00 | **NOAA logo** |