

**NOAA FRV- 40 MISSION PROFILE:**

Mission Element	CRUISE TYPE			
	Marine Mammal Observation	Bottom Trawl	MOCNESS Survey	Hydroacoustic/Pelagic Trawl
Transit	Not Applicable	120 hours at 13.5 knots	407 hours at 13.5 knots	80 hours at 13.5 knots
On Station	920 hours at 10.0 knots	Not Applicable	523 hours Towing 17.8 kN 1.5 knots	520 hours at 11.0 knots
Between Stations	Not Applicable	360 hours at 12.0 knots	Not Applicable	40 hours at 12.0 knots
Drift/Anchor	40 hours at 0 knots	Not Applicable	Not Applicable	Not Applicable
Trawling With 160kN	Not Applicable	360 hours at 4.0 knots	Not Applicable	280 hours at 5.0 knots
Ocean Research	Not Applicable	120 hours at 0 knots	30 hours at 0 knots	40 hours at 0 knots
<b>Total Hours</b>	<b>960</b>	<b>960</b>	<b>960</b>	<b>960</b>
<b>Days</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>

**UNOLS 1999 ARR V MULTI-DISCIPLINARY MISSION PROFILES:**

Mission Element	Operating Environment			
	Bering Sea South St. Matthew Year-round	Point Barrow Vicinity 3 months	Beaufort & Chukchi Aug. & Sept.	Norh Pacific Year-round
Transit (10-14 knots)				
On Station (sampling, coring, CTD, etc.)				
Between Stations (trackline)				
Drift/Anchor (Mammal, bird studies, etc)				
Trawling (net tows, seismic, etc)				
Ocean Research (misc)				
<b>Total Hours</b>	<b>1,440</b>	<b>1,440</b>	<b>1,440</b>	<b>1,440</b>
<b>Days</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>