

Order of Operations

1. Depart Astoria, Oregon, proceed at transit speed to Start of Diapir Survey
-125.30649 46.60259 start
-125.37375 46.59675 Mid-point
-125.44278 46.59071 end

Turn on EM122, 3.5 kHz and ADCP, slow to 6 knot survey speed and survey over above 3 points.

2. At end of Diapir survey, proceed at transit speed to Start of Line 5 survey. Do Line 5 survey west-to-east with EM122, 3.5 kHz, ADCP turned on at 6 knots. Line 5 survey positions below.

-126.3817	46.6543	start
-125.49919	46.73291	mid-point
-124.8347	46.7927	end

2. Move from east End of Line 5 survey to Elevator #1 drop (EL-A). Elevator EL-A contains 4 thermal blankets and 2 mosquito flow meters.

-125.03647	46.84325	630 m
------------	----------	-------

3. Move to Site 5 and do CTD cast, CTD only, no Niskin bottles

-125.21876	46.82833	1156 m
------------	----------	--------

4. At same location (Site 5), drop Elevator #2 (EL-B), which contains 4 thermal blankets and 2 mosquito flow meters.

-125.21876	46.82833	1156
------------	----------	------

5. Transit to east end of Line 4 survey and begin EM122, 3.5 kHz and ADCP survey of Line 4

-124.8673	46.8573	start
-125.53036	46.80214	mid-point
-126.2853	46.7363	end

6. At west end of Line 4 survey, do CTD cast, CTD only, no Niskins.

-126.24523	46.73875	2622 m
------------	----------	--------

7. At end of CTD cast, move to start of Harris long-probe heat flow operations – for 24 hours total time.

-126.2201	46.74106	start of HF ops
-----------	----------	-----------------

8. At end of Harris 24-hour HF ops, we will begin Jason dive at Elevator #1 (EL-A) site

-125.03647 46.84325 630