

features unresolved on available maps, uncertainties in “anchor-over” position, anchor fall-back during deployment, and the possibility that a replacement mooring may be deployed before the original mooring is recovered.

- **Mooring Separation.** This is the distance between mooring anchor positions, described relative to the Surface Mooring position. The Hybrid Profiler Mooring is located as close to the Surface Mooring as possible (as described above). The Flanking Mooring separations, which can also be thought of as the length of the “sides” of the triangular array are based on the length-scale of mesoscale features in the region. Actual mooring positions and separations will only be known after deployment.

Table 4. Mooring Locations

	Design Depth	Location		Site Radius	Mooring Separation
		Latitude	Longitude		
Surface Mooring (GI01SUMO) Site Center	~2800 m	59.9397° N (59° 56.382' N)	39.5213° W (39° 31.278' W)	6 km	
Alternate position 1	2668 m	59.9449° N (59° 56.694' N)	39.5742° W (39° 34.452' W)	"Location A"	
Alternate position 2	2691 m	59.9344° N (59° 56.064' N)	39.4685° W (39° 28.11' W)	"Location B"	
Hybrid Profiler Mooring (GI02HYPM) Site Center	~2800 m	59.9723° N (59° 58.338' N)	39.5084° W (39° 30.504' W)	2.2 km	4.1 km from Surface Mooring
Alternate position 1	2668 m	59.9743° N (59° 58.458' N)	39.5280° W (39° 31.68' W)	"Location A"	
Alternate position 2	2678 m	59.9704° N (59° 58.224' N)	39.4888° W (39° 29.328' W)	"Location B"	
Flanking Mooring A (GI03FLMA) Site Center	~2800 m	59.7694° N (59° 46.164' N)	39.8621° W (39° 51.726' W)	2.2 km	27 km from Surface Mooring
Alternate position 1	2689 m	59.7714° N (59° 46.284' N)	39.8816° W (39° 52.896' W)	"Location A"	
Alternate position 2	2700 m	59.7674° N (59° 46.044' N)	39.8426° W (39° 50.556' W)	"Location B"	
Flanking Mooring B (GI03FLMB) Site Center	~2800 m	59.7166° N (59° 42.996' N)	39.3362° W (39° 20.172' W)	2.2 km	27 km from Surface Mooring
Alternate position 1	2812 m	59.7186° N (59° 43.116' N)	39.3557° W (39° 21.342' W)	"Location A"	
Alternate position 2	2830 m	59.7147° N (59° 42.882' N)	39.3168° W (39° 19.008' W)	"Location B"	

The location depths above are the mooring design depths; actual water depths may vary slightly for specific deployments. Mooring designs, including instrument design depths, are captured in the mooring deck drawings (3602-4000x). On Surface Moorings, instruments hang down approximately vertically from the surface buoy, such that their deployment depths are nominally their design depths. The Hybrid Profiler and Flanking Moorings are subsurface moorings with a flotation component below the surface. The actual deployment depths of