Table 3. Gridding parameters used for Continuous Plankton Recorder, temperature and salinity data.

Grid Type	Grid Line Geometry								Grid Interpolation									
	X				Y													
	Min	**Max**	**Lines**	**Intervals**	**Min**	**Max**	**Lines**	**Intervals**	**Method**	**Sectors Searched**	**Max Data to Use**	**Blank if Less Data Points Than**	**X-Search Radius**	**Y-Search Radius**	**Search Ellipse Angle**	**Weight**	**Use Data Outside Grid?**	**Output Format**
BASE PERIOD MEAN GRID X=yearday Y=refdst Z= mean	0 days	365.25 days	49	7.609 days	0 km	452 km	53	8.692 km	Algebraic Mean	1	all	1	15 days	38 km	0°	none	yes	ascii
BASE PERIOD STD GRID X=yearday Y=refdst Z=std	0 days	365.25 days	49	7.609 days	0 km	452 km	53	8.692 km	Algebraic Mean	1	all	1	15 days	38 km	0°	none	yes	ascii

Table 3 cont. Gridding parameters used for Continuous Plankton Recorder, temperature and salinity data.

Grid Type	Grid Line Geometry								Grid Interpolation									
	X				Y													
	Min	**Max**	**Lines**	**Intervals**	**Min**	**Max**	**Lines**	**Intervals**	**Method**	**Sectors Searched**	**Max Data to Use**	**Blank if Less Data Points**	**X-Search Radius**	**Y-Search Radius**	**Search Ellipse Angle**	**Weight**	**Use Data Outside Grid?**	**Output Format**
ANOMALY GRID X=year Y=refdst Z= obs – base period mean	1961 yrs (cpr) 1976 yrs (tmp & sal)	2009 yrs (cpr) 2009 yrs (tmp & sal)	2305 (cpr) 1585 (tmp & sal)	0.0208 years	0 km	452 km	53	8.692 km	Inverse Distance to a Power	1	all	1	0.1232 years	76 km	0°	power of 2	yes	ascii
ZSCORE GRID X=year Y=refdst Z=anomaly grid / period std grid	1961 yrs (cpr) 1976 yrs (tmp & sal)	2009 yrs (cpr) 2009 yrs (tmp & sal)	2305 (cpr) 1585 (tmp & sal)	0.0208 years	0 km	452 km	53	8.692 km	Matrix Algebra: Zscore Grid= Anomaly Grid / Standard Deviation Grid									ascii

Table 3 cont. Gridding parameters used for Continuous Plankton Recorder, temperature and salinity data.

Grid Type	Grid Line Geometry								Grid Interpolation									
	X				Y													
	Min	**Max**	**Lines**	**Intervals**	**Min**	**Max**	**Lines**	**Intervals**	**Method**	**Sectors Searched**	**Max Data to Use**	**Blank if Less Data Points**	**X-Search Radius**	**Y-Search Radius**	**Search Ellipse Angle**	**Weight**	**Use Data Outside Grid?**	**Output Format**
SEASONALITY GRID[1] X=negative yearday[2] Y=year Z=weighted mean	-365.25 days	0 days	49	7.609 days	1961 yrs (cpr) 1976 yrs (tmp & sal)	2009 (cpr) 2009 (tmp & sal)	2305 (cpr) 1585 (tmp & sal)	7.609 days	Inverse Distance to a Power	1	all	1	365 days	5 years	-5°	power of 2	yes	ascii

[1] Seasonality grids have no space component. Thus, separate grids have been generated for three spatially coherent sections of the Gulf of Maine transect.

[2] For portrayal, these grids are rotated 90° clockwise, with absolute values of yearday used for axis labels. Thus, portrayals appear to have decimal year increasing to the right on the x-axis, and positive yearday increasing upwards on the y-axis.