APPENDIX B.1
NEFOP variables processed to fill in missing values

Variable name	Comments on final variable or how it was processed for missing values
anchusd	none
BotTemp	none
btm_slp	none
d_b50, d_b100, d_b200, d_b500, d_coast	none
depth	units are in negative meters to match bathymetry data; uses following hierarchy for source: observed value, Coastal Relief, SRTM30 v.1, ETOPOv2, medians from strata as outlined for numerical variables
gearlentot	missing prior to May 1994
hauldur	records with outlying values were recalculated if the haul begin and end times were available
hngratio	none
latdd/londd	hierarchy of locations used to determine the latitude and longitude in decimal degrees: haul begin, haul end, set begin, set end. For filling in missing values, limited to the median for hauls on the same trip.
mcvert	none
mswgtavg	Not calculated prior to 1994 so a straight average of the minimum and maximum mesh size on the string was calculated, then the variable was processed for missing values.
netlen	none
nnets	missing prior to May 1994
soakdur	The first step in filling missing values (and verifying atypical values) was to calculate soakdur from available set and haul times. Soak duration is defined as the time between the end of the set and the beginning of the haul. If the haul begin time was missing then the haul end time was used if it was nonmissing. If the set end time was missing then the set begin time was used if it was nonmissing. Recalculating soakdur was restricted to records in which the haul began and ended on the same day and the set began and ended on the same day. (There were very few records for which this was not the case.) If the set and haul occurred on different days, this was taken into account. If the haul was not on the same day as the set and both the set begin and end times were missing, the record was assigned a set time of noon. After soakdur was recalculated in this manner it was processed for missing values using the hierarchy of medians for numerical variables.
spaceusd	missing prior to May 1994
tiednusd	missing prior to May 1994
wtmp	missing prior to May 1994; units are Celsius to match satellite data; uses following hierarchy for source: observed value, satellite value, medians limited to same trip or same month
wtmp2	new variable that is the same as wtmp but a climatology value was substituted if wtmp differed from the climatology by more than ±2.5° C
wtmp3	new variable that is the same as wtmp but a climatology value was substituted if wtmp differed from the climatology by more than ±10° C