Figure 1: Number of observations of pressure received at Exeter on the GTS for each of the six-month periods covered by the WMO reports on the quality of marine surface observations

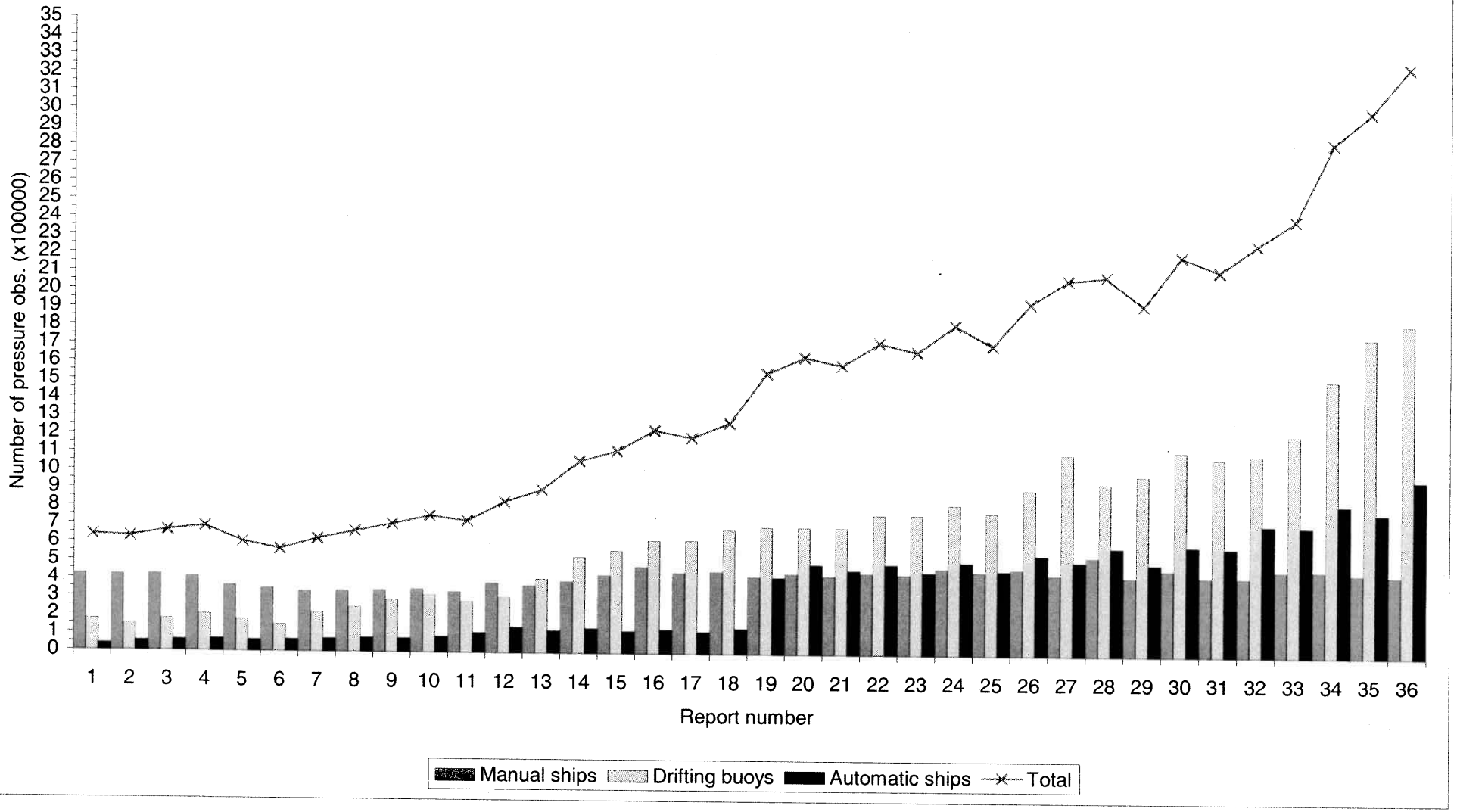
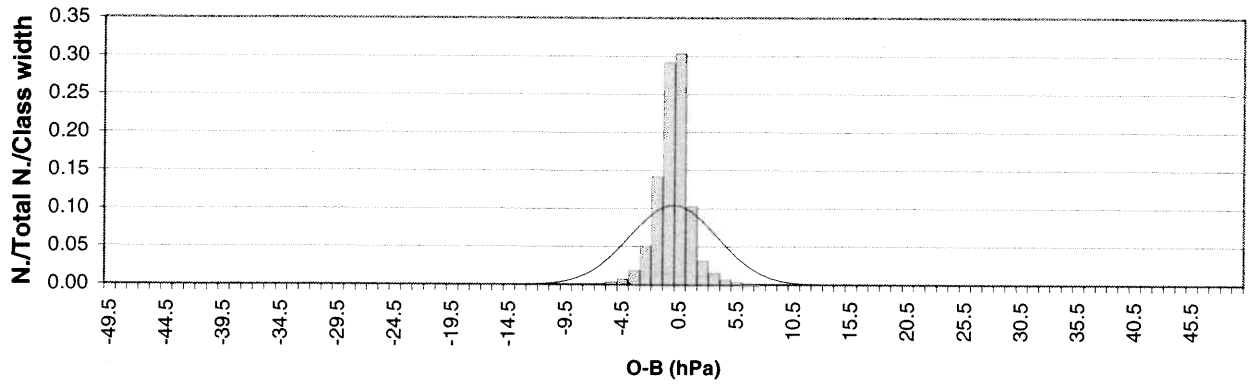
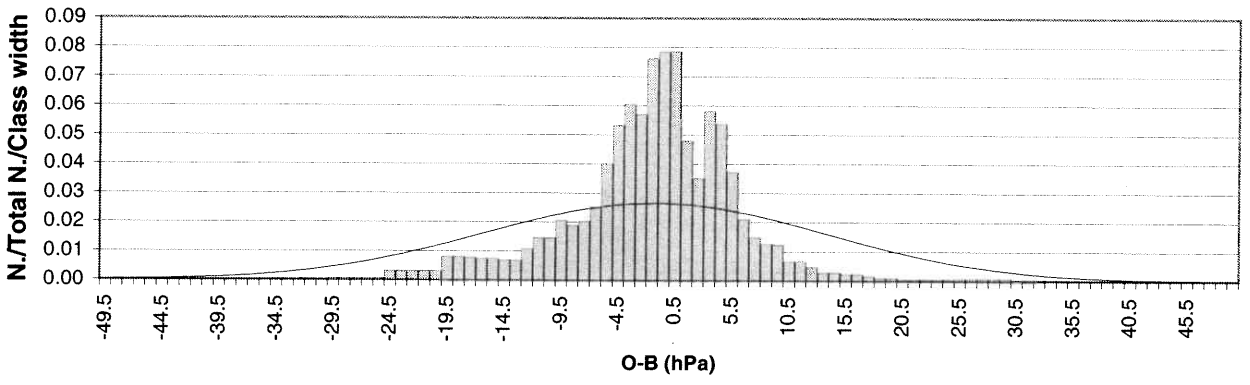


Figure 2a: Distribution of ship O-B pressure (hPa)
Period of data: July-Dec 2006 Data used: All observations



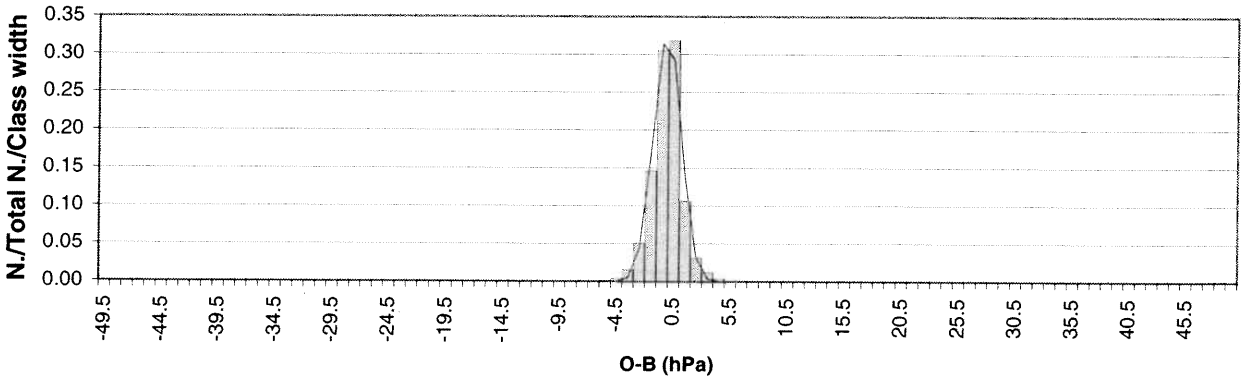
Mean O-B = -0.1 SD O-B = 3.8

Figure 2b: Distribution of ship O-B pressure (hPa)
Period of data: July-Dec 2006 Data used: Flagged observations



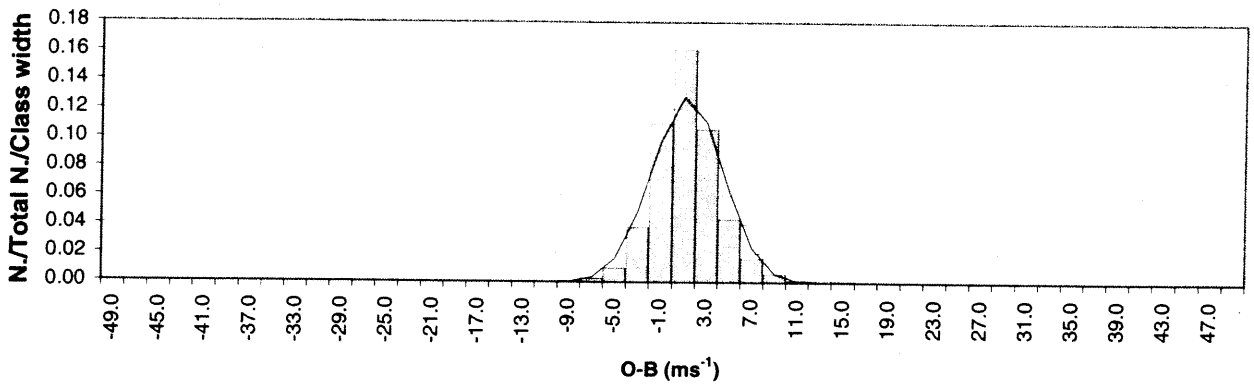
Mean O-B = -1.3 SD O-B = 15.0

Figure 2c: Distribution of ship O-B pressure (hPa)
Period of data: July-Dec 2006 Data used: Unflagged observations



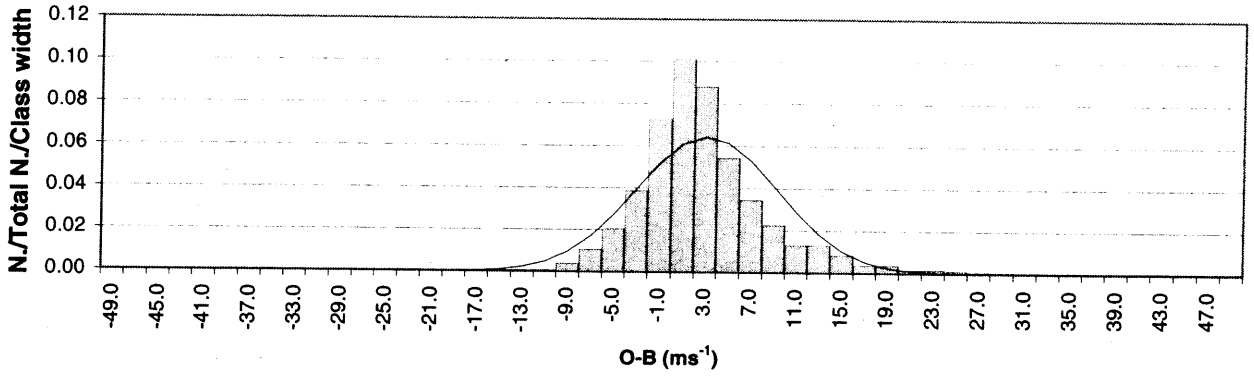
Mean O-B = -0.1 SD O-B = 1.2

Figure 2d: Distribution of ship O-B wind speed (ms^{-1})
Period of data: July-Dec 2006 Data used: All observations



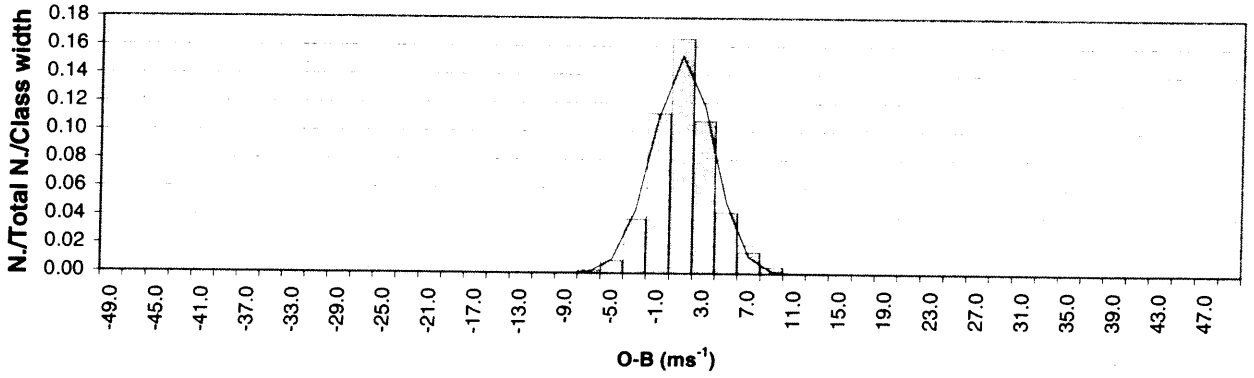
Mean O-B = 1.3 SD O-B = 3.1

Figure 2e: Distribution of ship O-B wind speed (ms^{-1})
Period of data: July-Dec 2006 Data used: Flagged observations



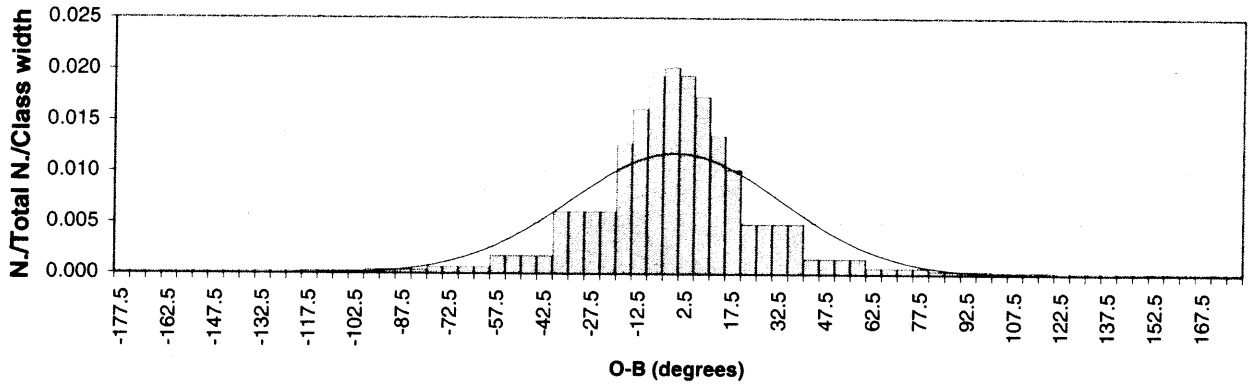
Mean O-B = 3.1 SD O-B = 6.2

Figure 2f: Distribution of ship O-B wind speed (ms^{-1})
Period of data: July-Dec 2006 Data used: Unflagged observations



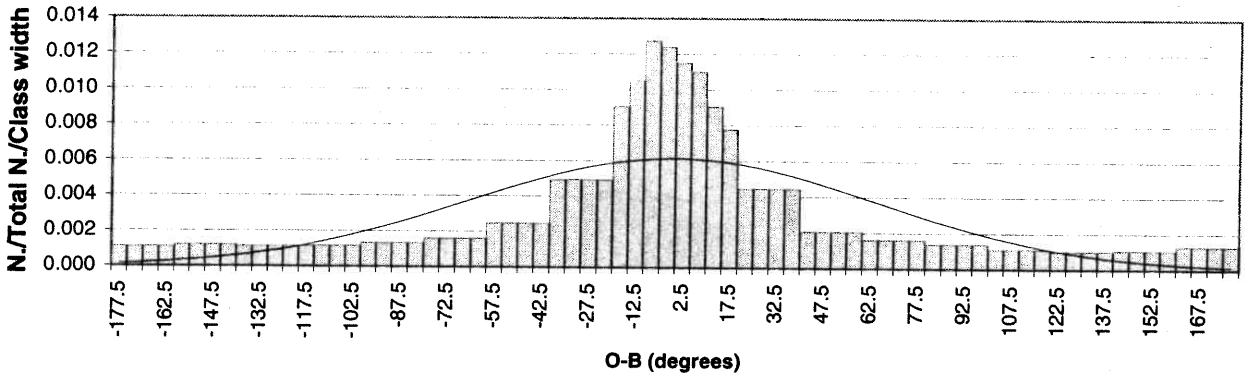
Mean O-B = 1.1 SD O-B = 2.6

Figure 2g: Distribution of ship O-B wind direction (degrees)
Period of data: July-Dec 2006 Data used: All observations



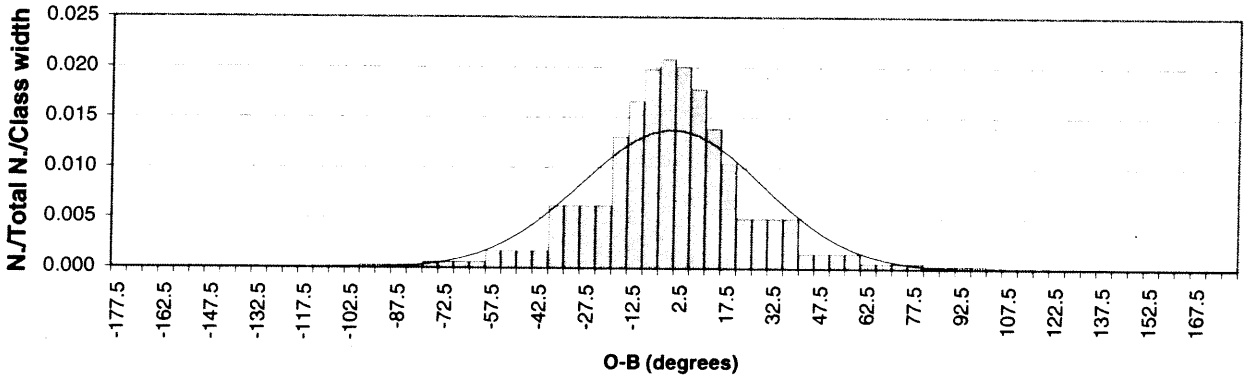
Mean O-B = -1.0 SD O-B = 33.7

Figure 2h: Distribution of ship O-B wind direction (degrees)
Period of data: July-Dec 2006 Data used: Flagged observations



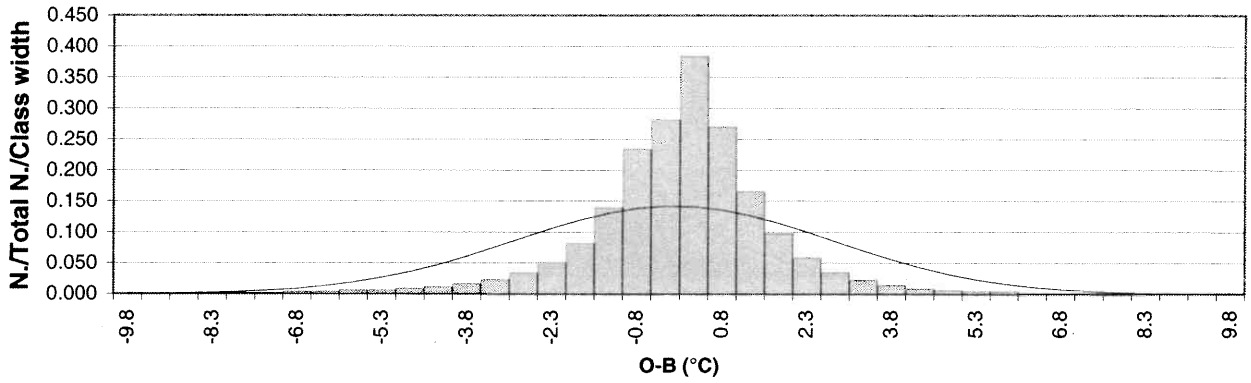
Mean O-B = -0.8 SD O-B = 64.8

Figure 2i: Distribution of ship O-B wind direction (degrees)
Period of data: July-Dec 2006 Data used: Unflagged observations



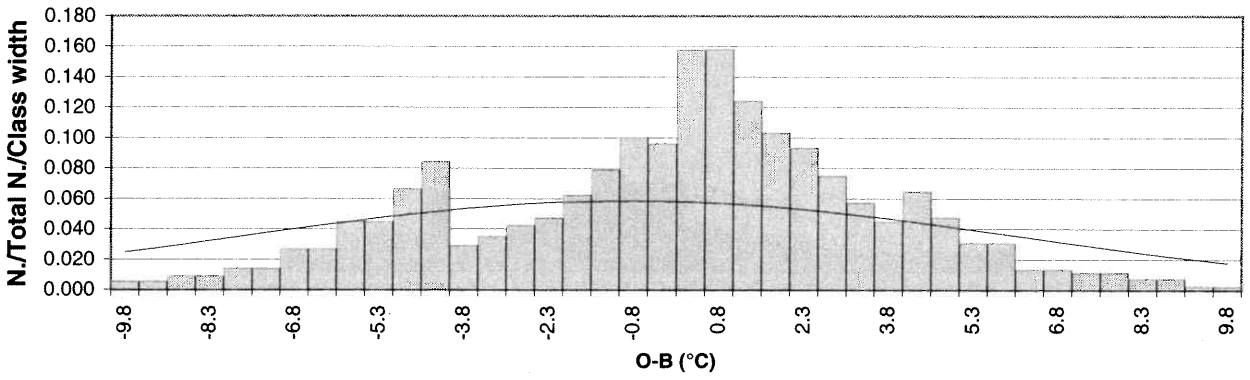
Mean O-B = -1.0 SD O-B = 29.0

Figure 2j: Distribution of ship O-B SST (°C)
Period of data: July-Dec 2006 Data used: All observations



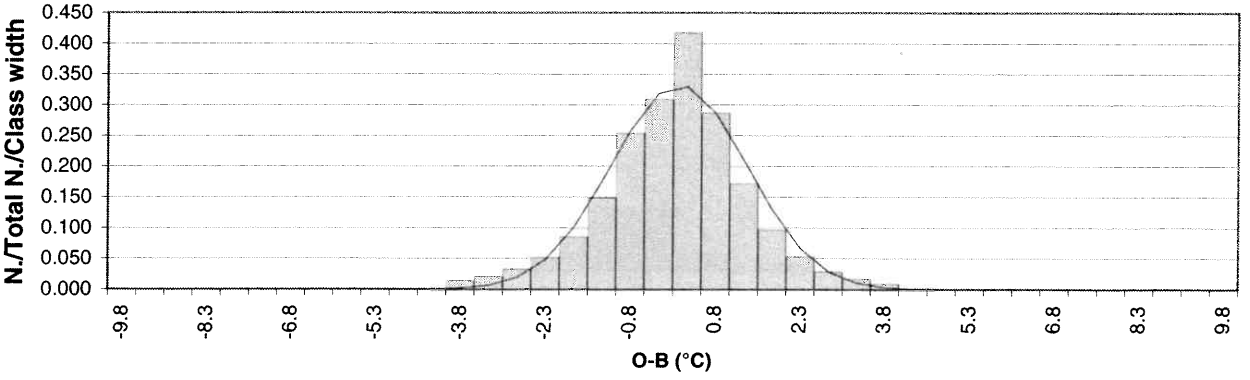
Mean O-B = -0.1 SD O-B = 2.8

Figure 2k: Distribution of ship O-B SST (°C)
Period of data: July-Dec 2006 Data used: Flagged observations



Mean O-B = -0.8 SD O-B = 6.8

Figure 2l: Distribution of ship O-B SST (°C)
Period of data: July-Dec 2006 Data used: Unflagged observations



Mean O-B = 0.1 SD O-B = 1.2

Figure 3: Bias of Ship O-B Pressure (hPa). Date:- July - December 2006
Only observations passing quality control used in statistics
Contours drawn to 10 degree boxes, if the number of observations is greater than 10
Shaded areas have a bias of magnitude greater than 0.5 hPa

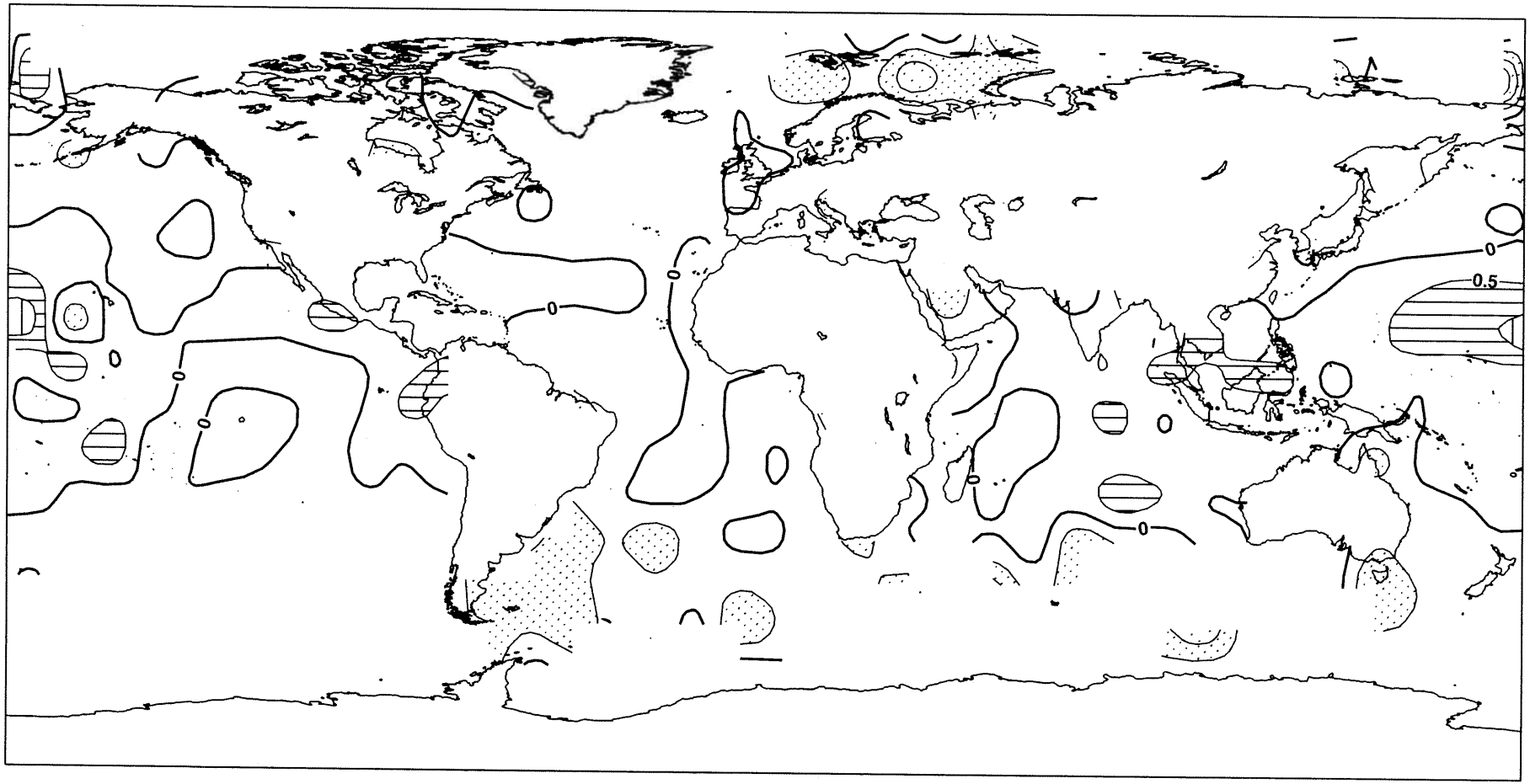


Figure 4: Standard Deviation of Ship O-B Pressure (hPa). Date:- July - December 2006
Only Observations passing quality control used in statistics
Contours drawn to 10 degree boxes, if the number of observations is greater than 10
Shaded areas have a standard deviation of greater than 2.0 hPa

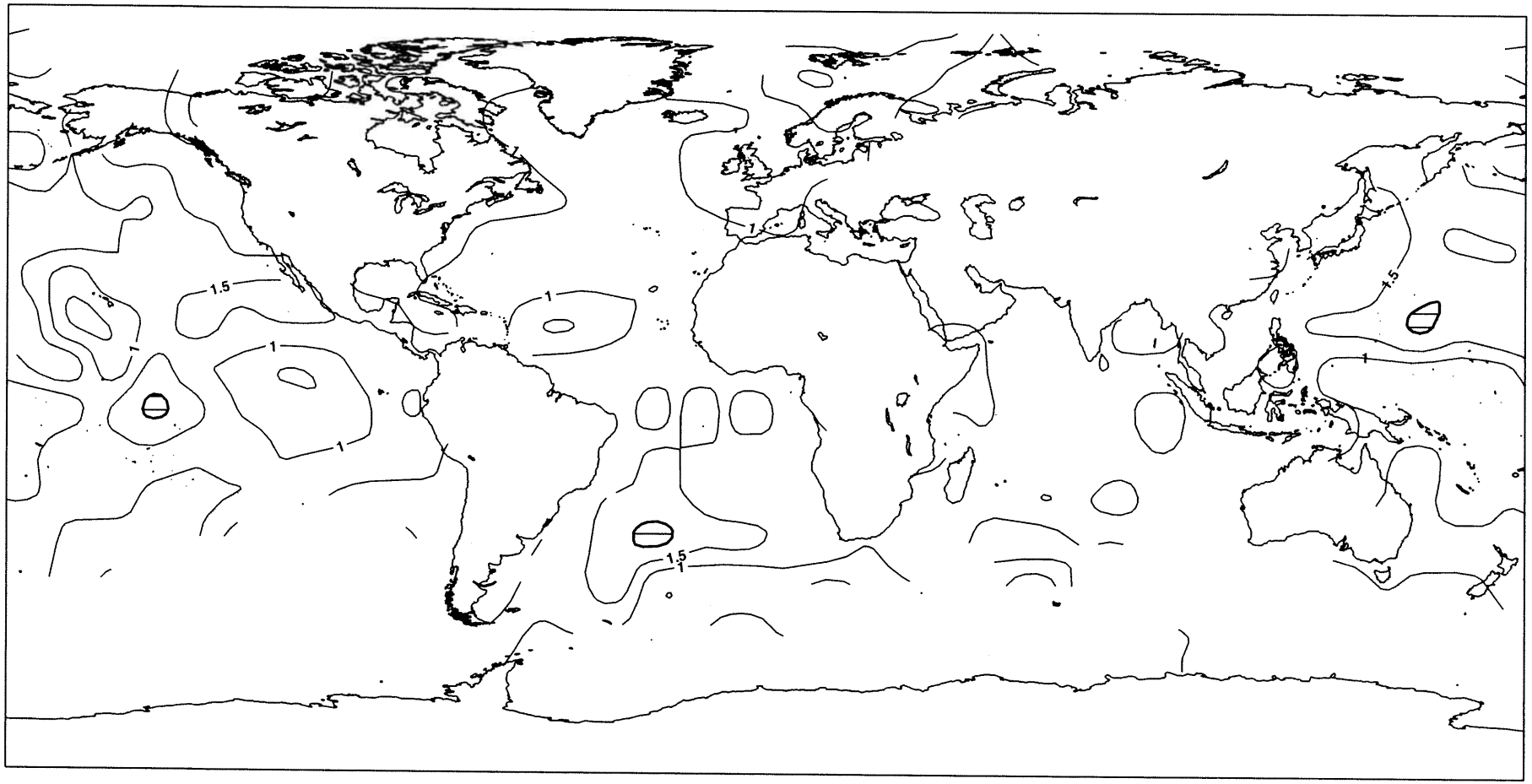


Figure 5:
Plot of the Number of Ship Pressure Observations. Date:- July - December 2006
Only observations passing quality control included

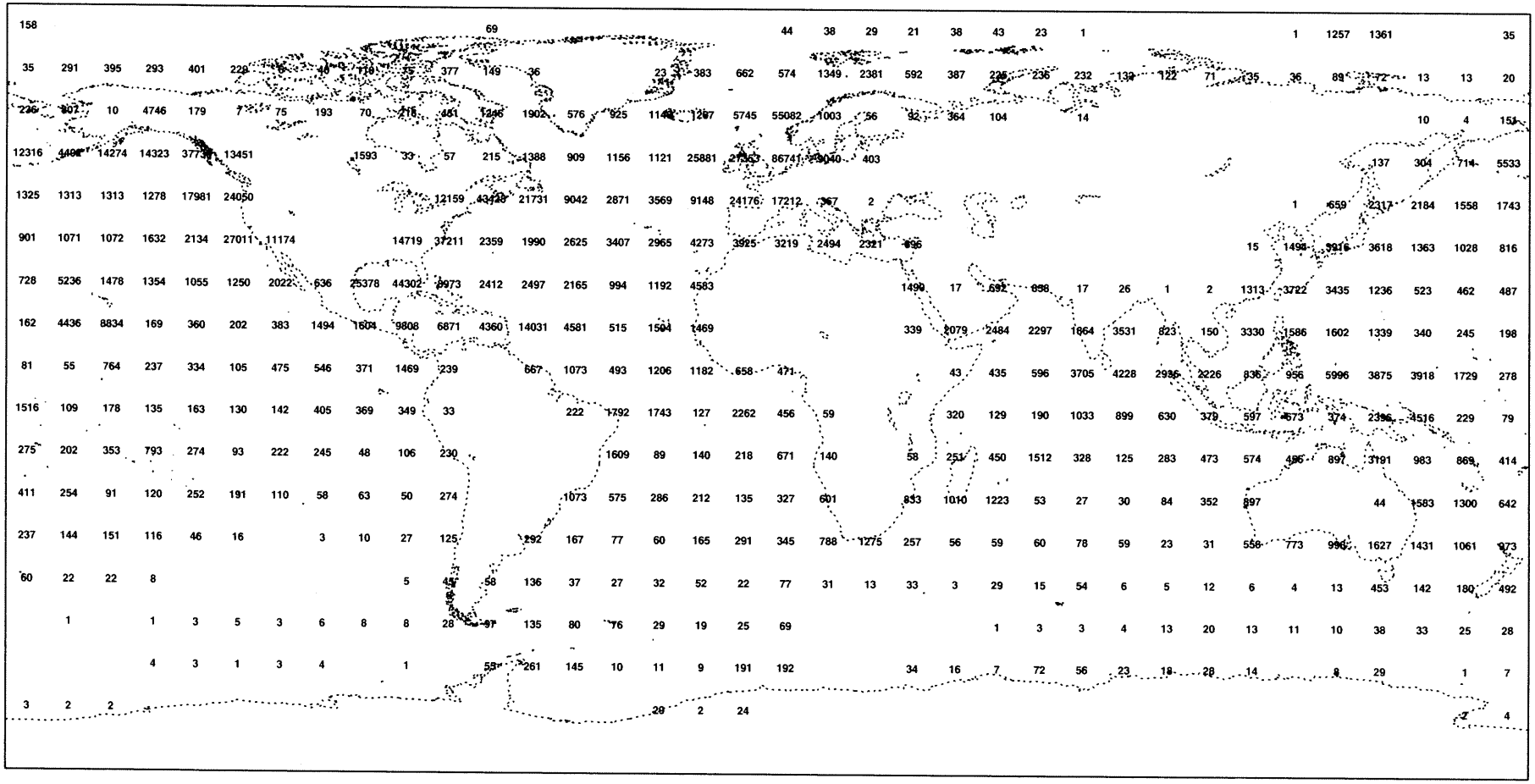


Figure 6: Bias of Ship O-B Wind Speed (ms-1). Date:- July - December 2006
Only observations passing quality control used in statistics
Contours drawn to 10 degree boxes, if the number of observations is greater than 10
Shaded areas have a bias of magnitude greater than 2.0 ms-1

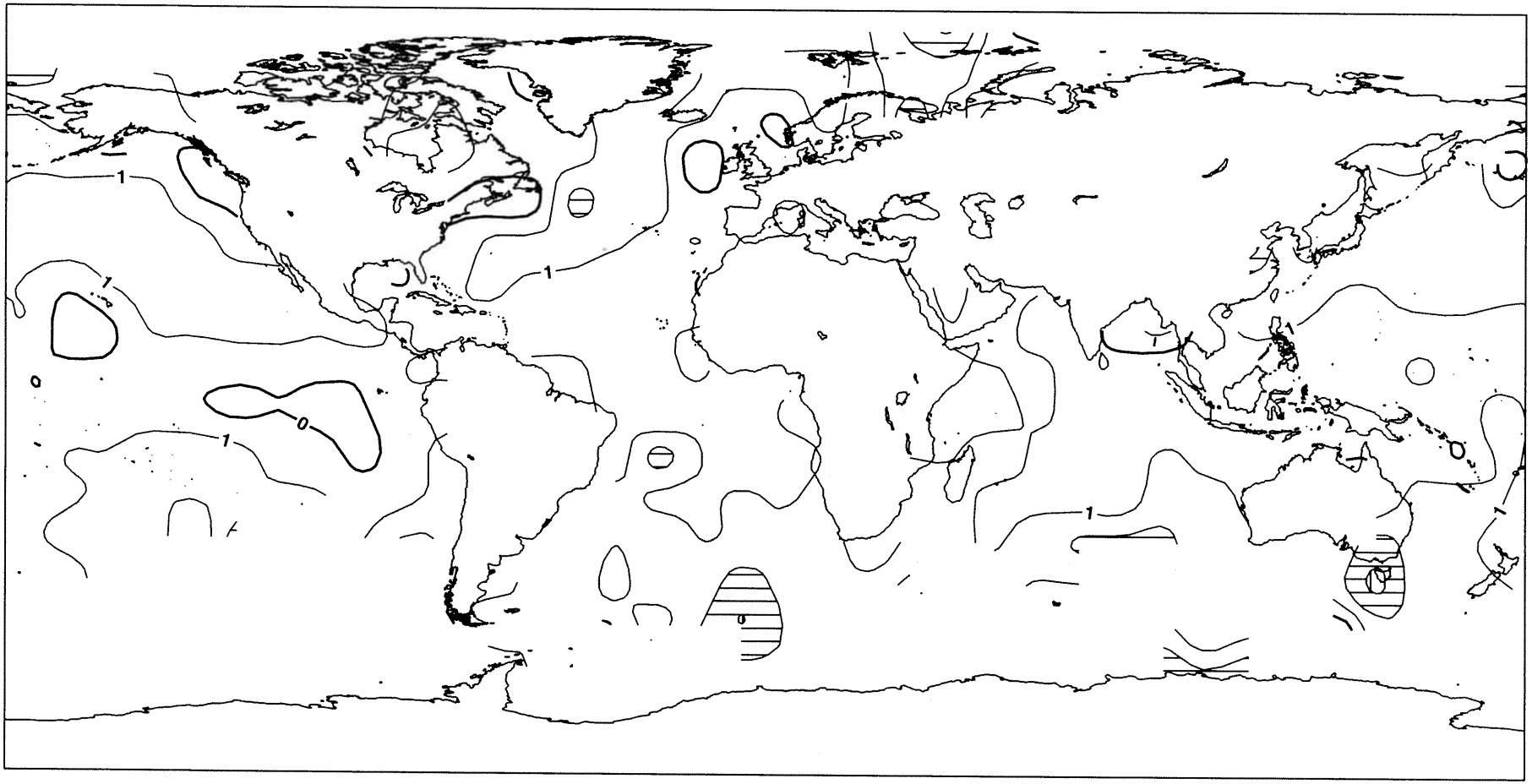


Figure 7: Standard Deviation of Ship O-B Wind Speed (ms-1). Date:- July - December 2006
Only Observations passing quality control used in statistics
Contours drawn to 10 degree boxes, if the number of observations is greater than 10
Shaded areas have a standard deviation of greater than 4.0 ms-1

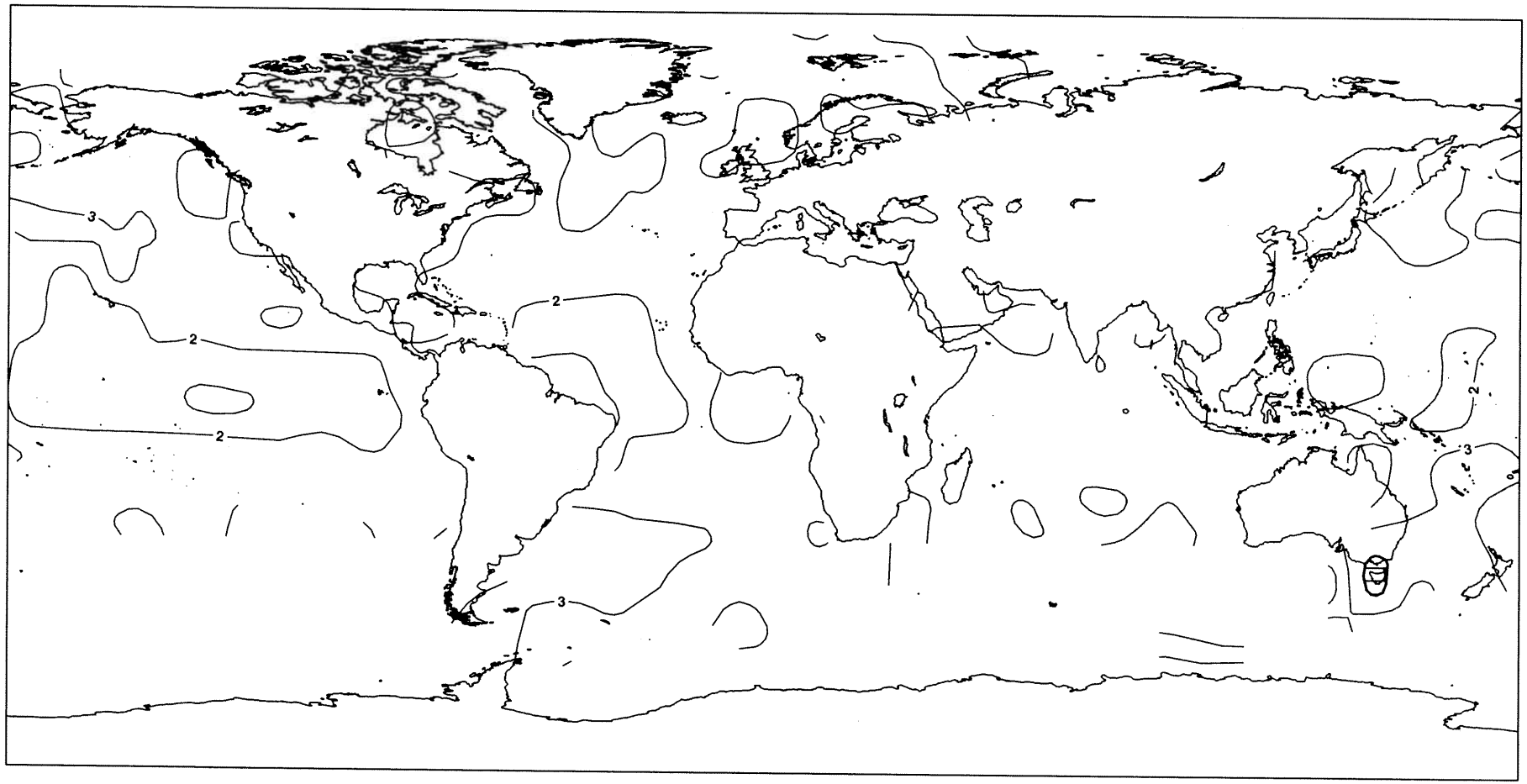


Figure 8:
Plot of the Number of Ship Wind Speed Observations. Date:- July - December 2006
Only observations passing quality control included

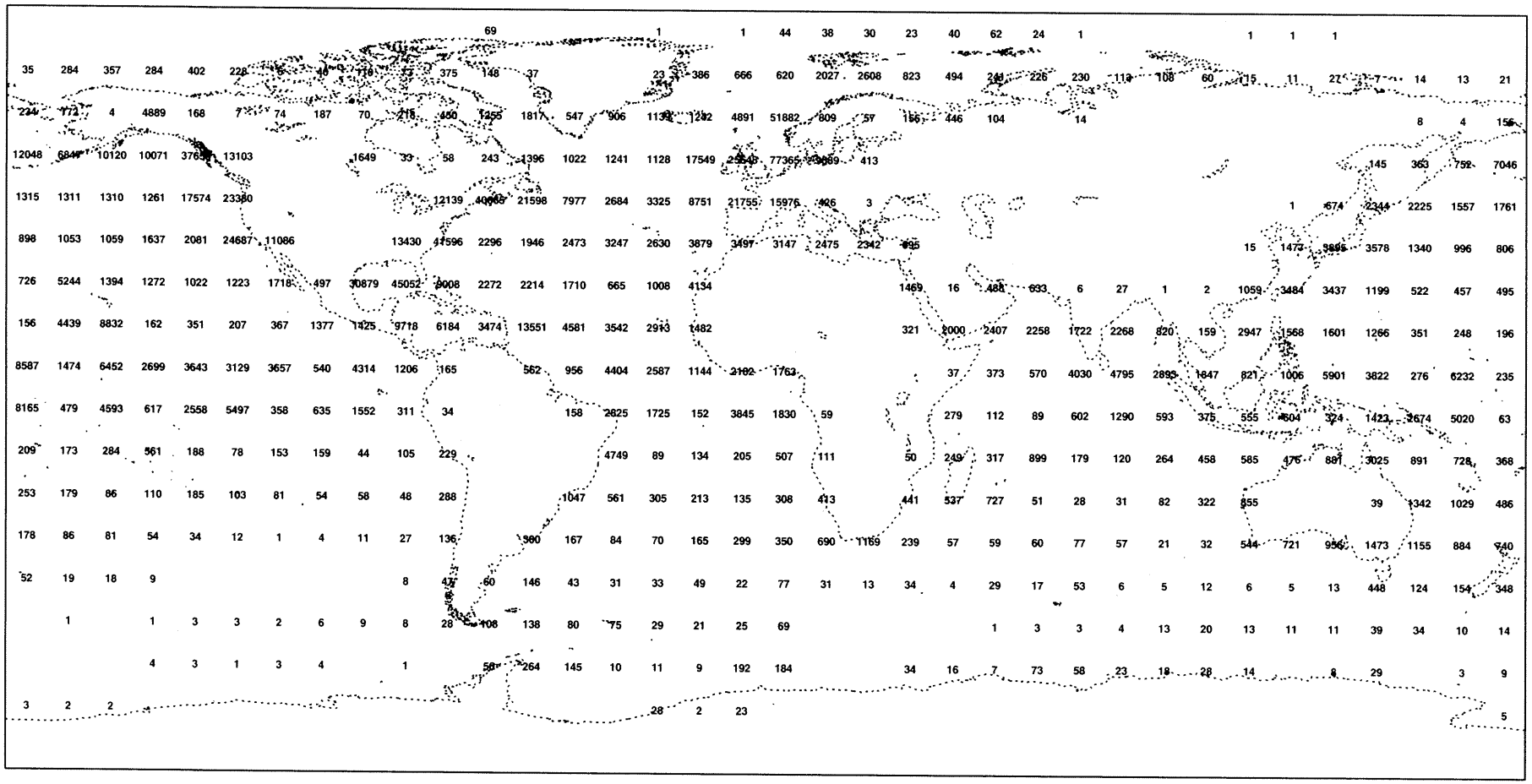


Figure 9: Bias of Ship O-B Wind Direction (degrees). Date:- July - December 2006
Only observations passing quality control used in statistics
Contours drawn to 10 degree boxes, if the number of observations is greater than 10
Shaded areas have a bias of magnitude greater than 10 degrees

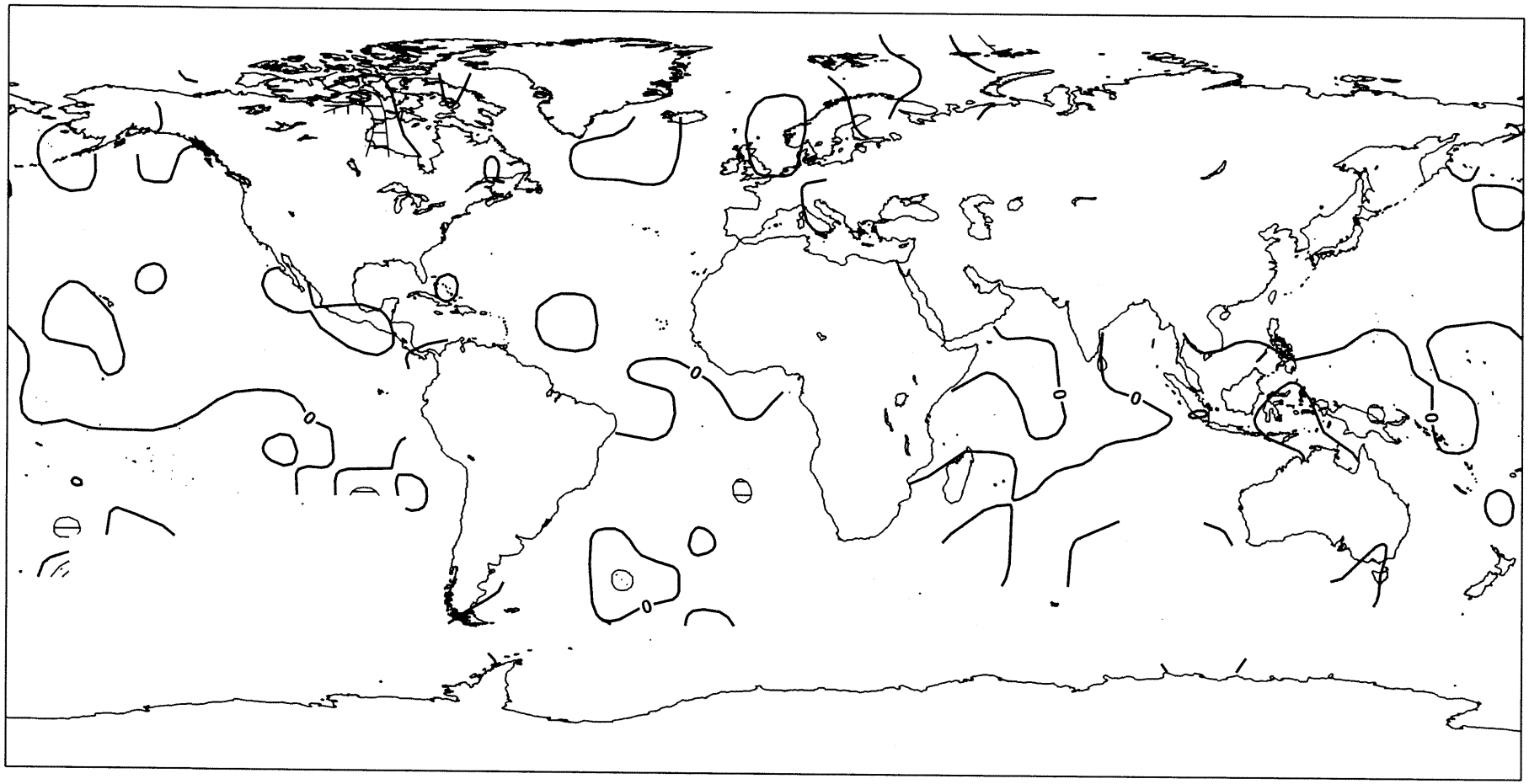


Figure 10: Standard Deviation of Ship O-B Wind Direction (degrees). Date:- July - December 2006
Only Observations passing quality control used in statistics
Contours drawn to 10 degree boxes, if the number of observations is greater than 10
Shaded areas have a standard deviation of greater than 40 degrees

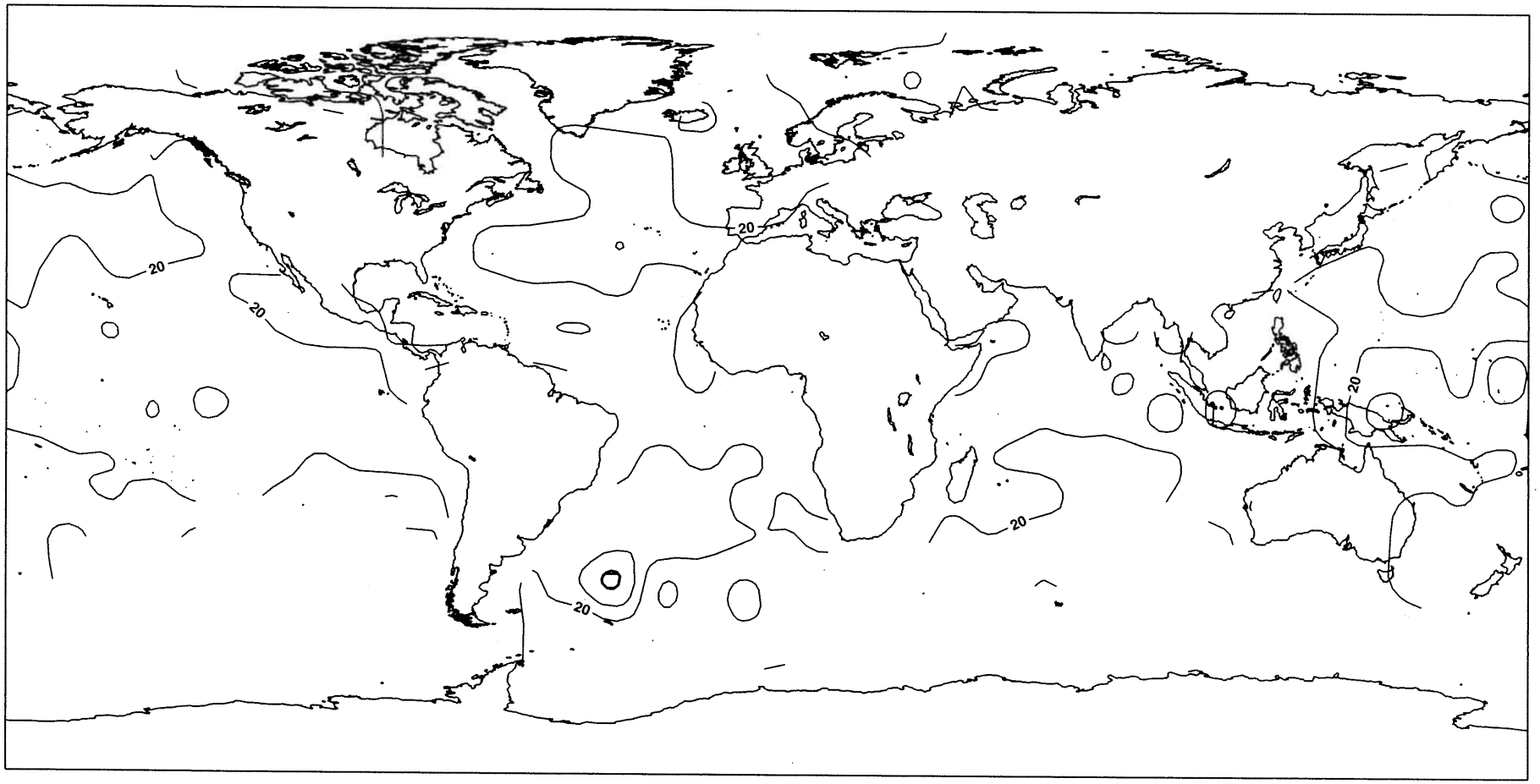


Figure 11:
Plot of the Number of Ship Wind Direction Observations. Date:- July - December 2006
Only observations passing quality control included

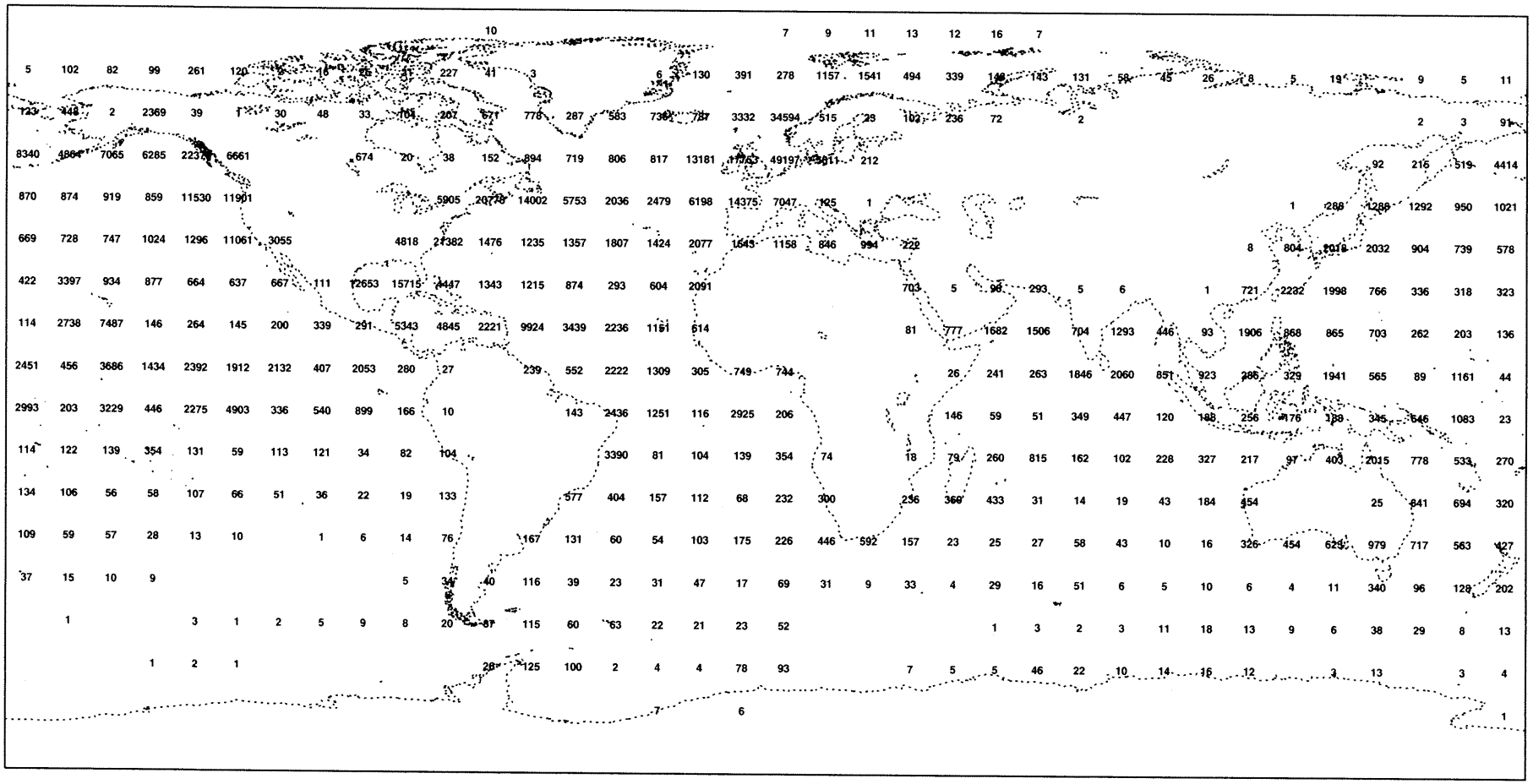


Figure 12: Bias of Ship O-B SST (degrees C). Date:- July - December 2006
Only observations passing quality control used in statistics
Contours drawn to 10 degree boxes, if the number of observations is greater than 10
Shaded areas have a bias of magnitude greater than 1.0 degree C

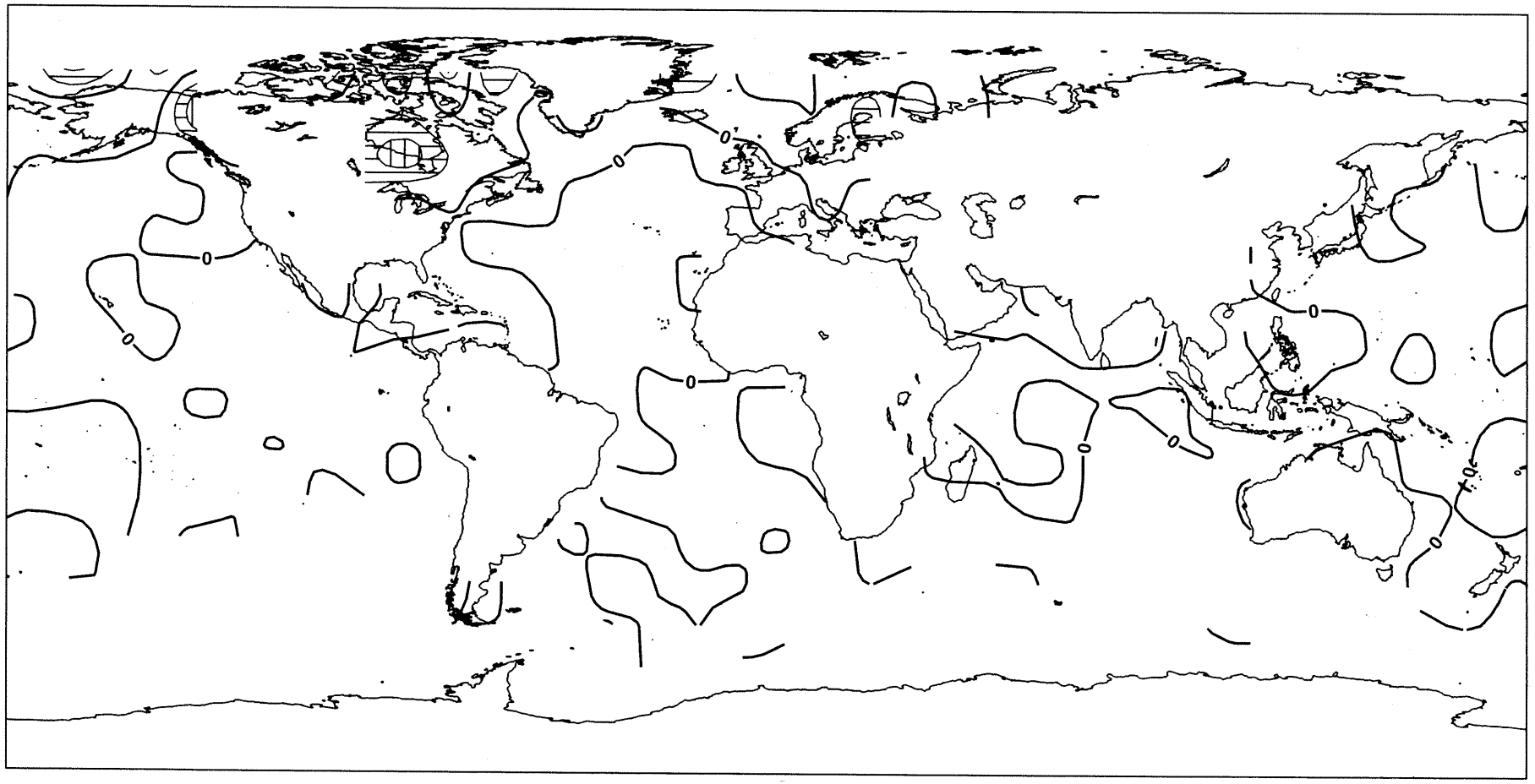


Figure 13: Standard Deviation of Ship O-B SST (degrees C). Date:- July - December 2006
Only Observations passing quality control used in statistics
Contours drawn to 10 degree boxes, if the number of observations is greater than 10
Shaded areas have a standard deviation of greater than 3.0 degrees C

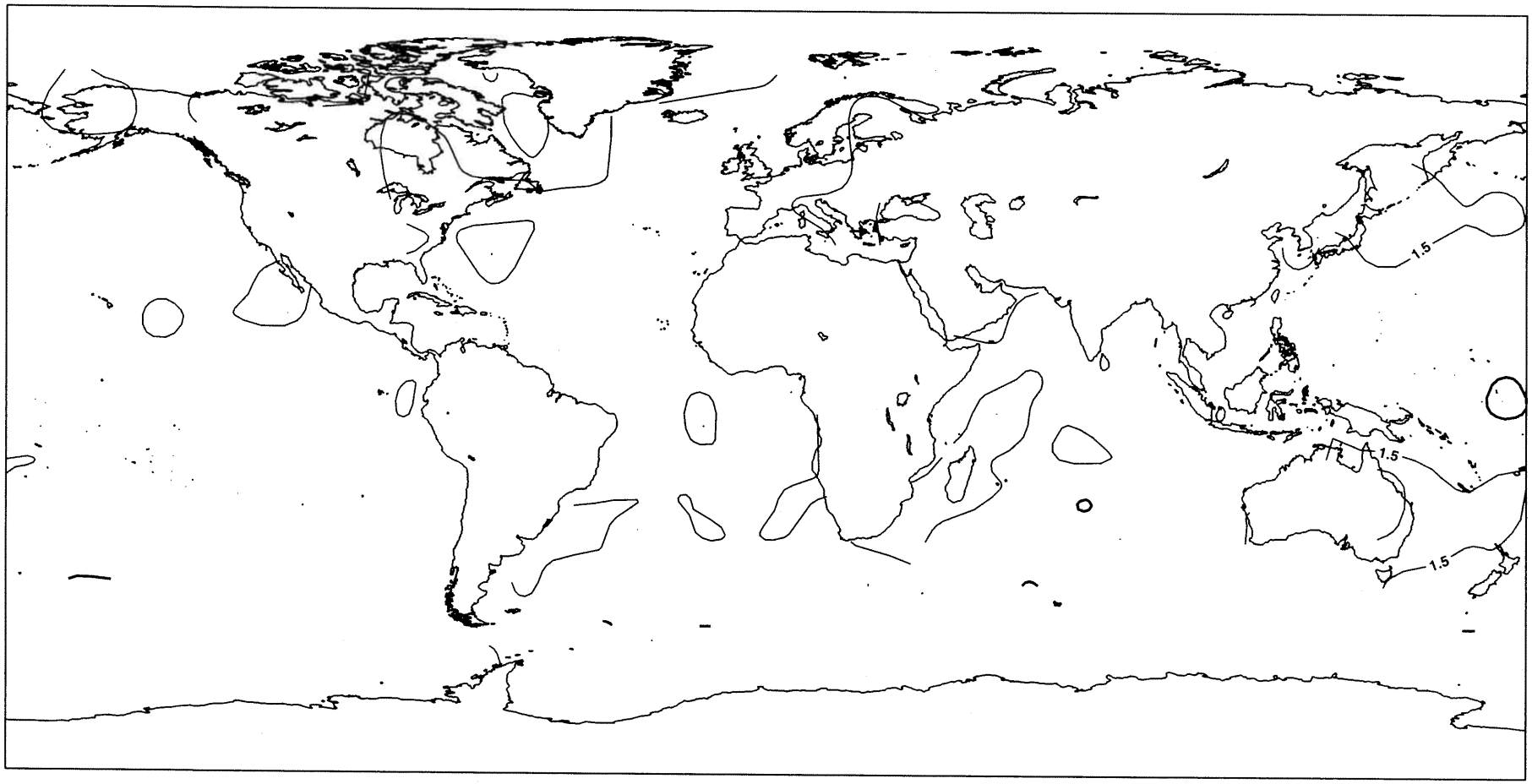


Figure 14:
Plot of the Number of Ship SST Observations. Date:- July - December 2006
Only observations passing quality control included