Appendix A - ADCP Current Profile Measurements

Note: Alternative text for the Americans with Disabilities Act section 508 compliance is provided by the figure captions for the illustrations in this appendix.

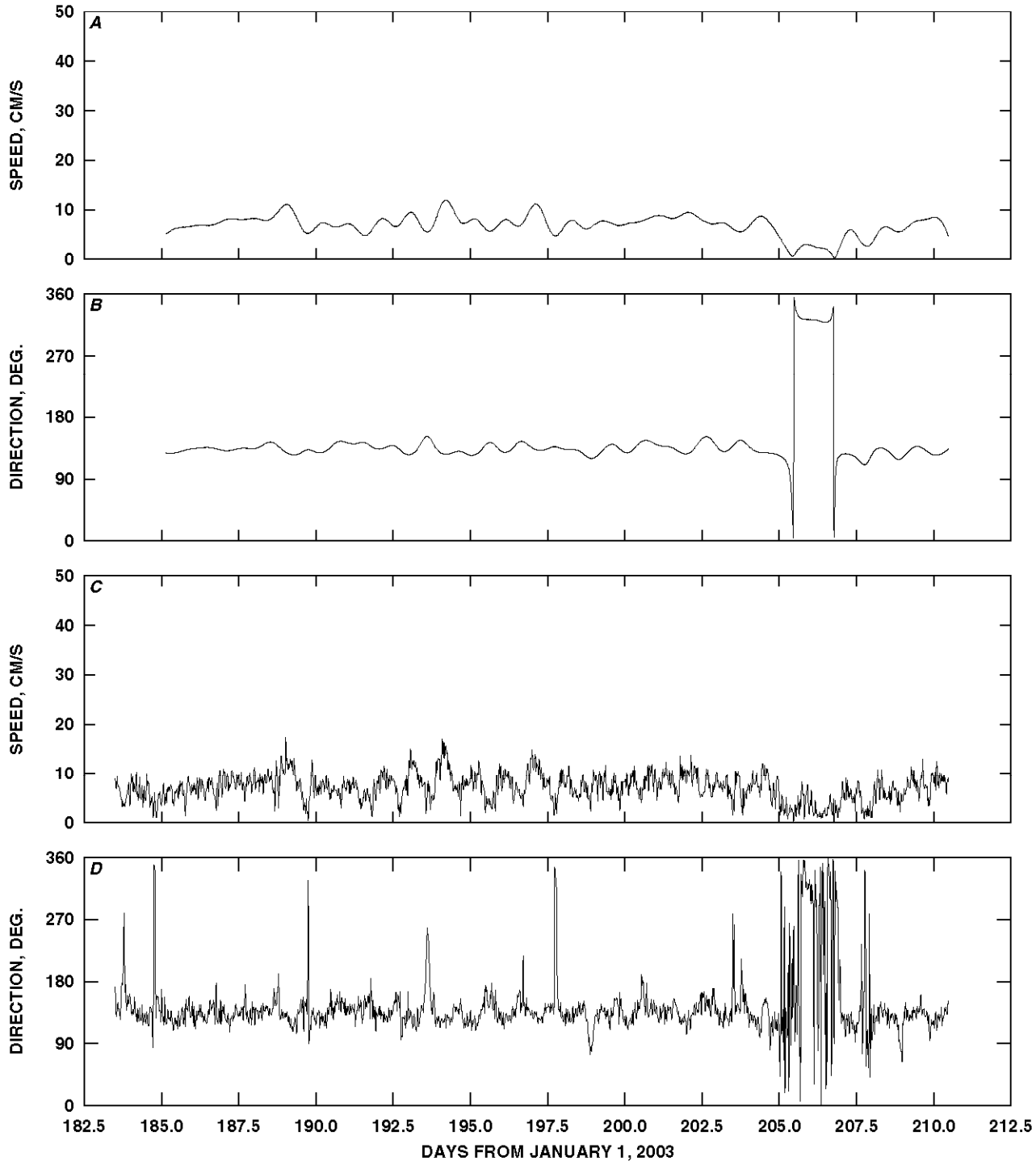

Figure A1. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the first deployment (2003) in Upper Klamath Lake at shallow station (ADCP8A).

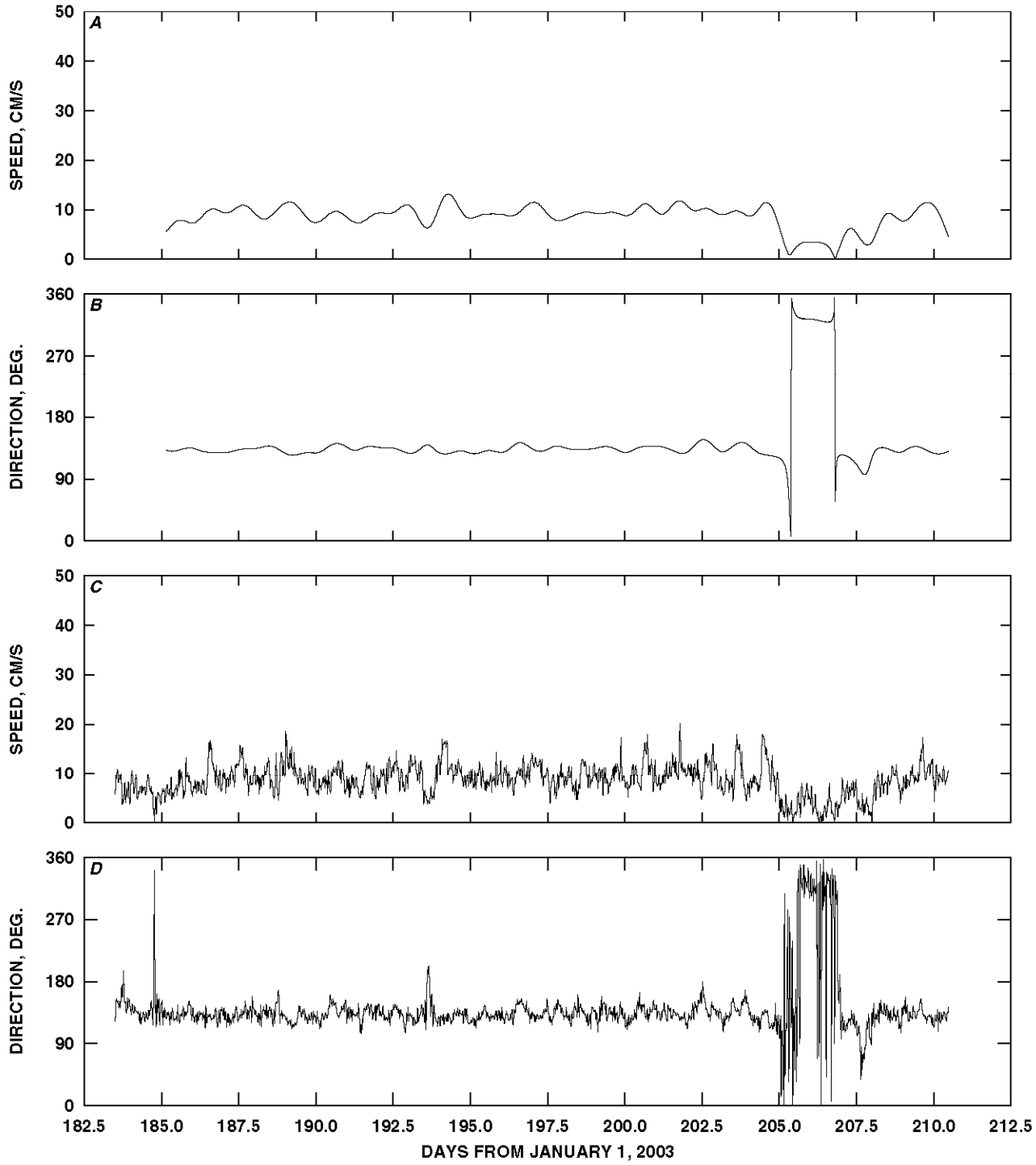

Figure A2. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 4 during the first deployment (2003) in Upper Klamath Lake at shallow station (ADCP8A).

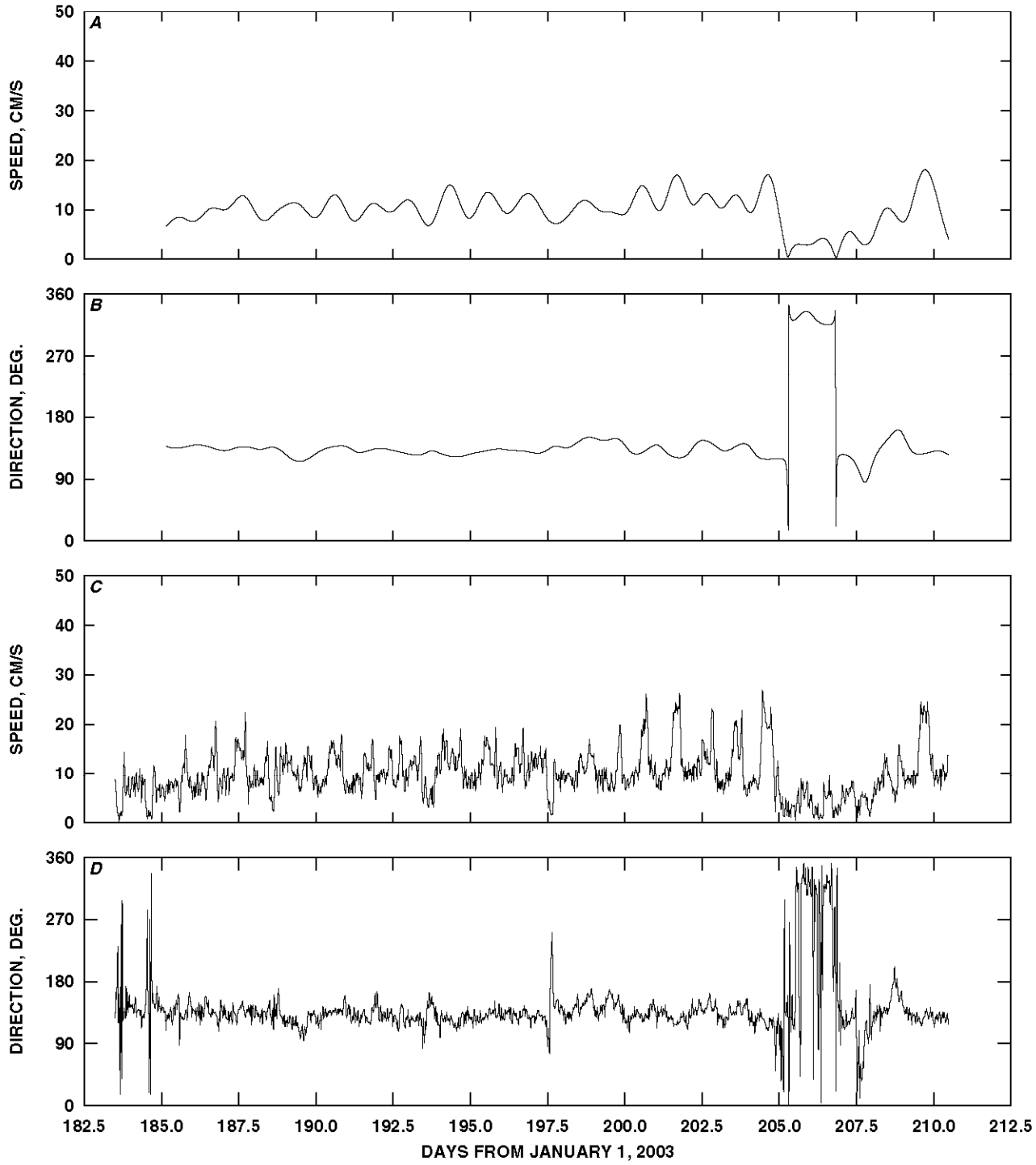

Figure A3. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 8 during the first deployment (2003) in Upper Klamath Lake at shallow station (ADCP8A).

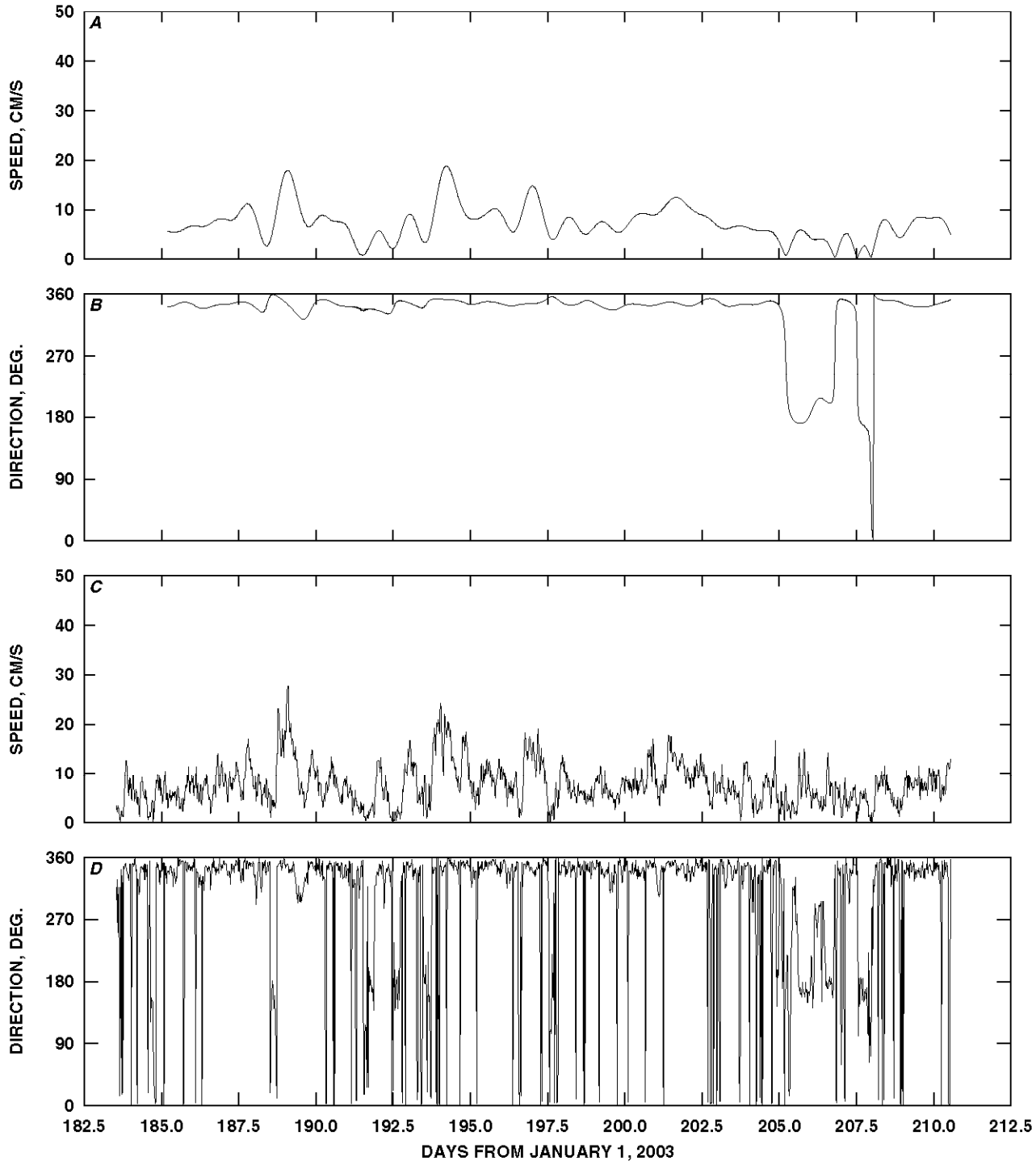

Figure A4. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the first deployment (2003) in Upper Klamath Lake at deep station (ADCP4A).

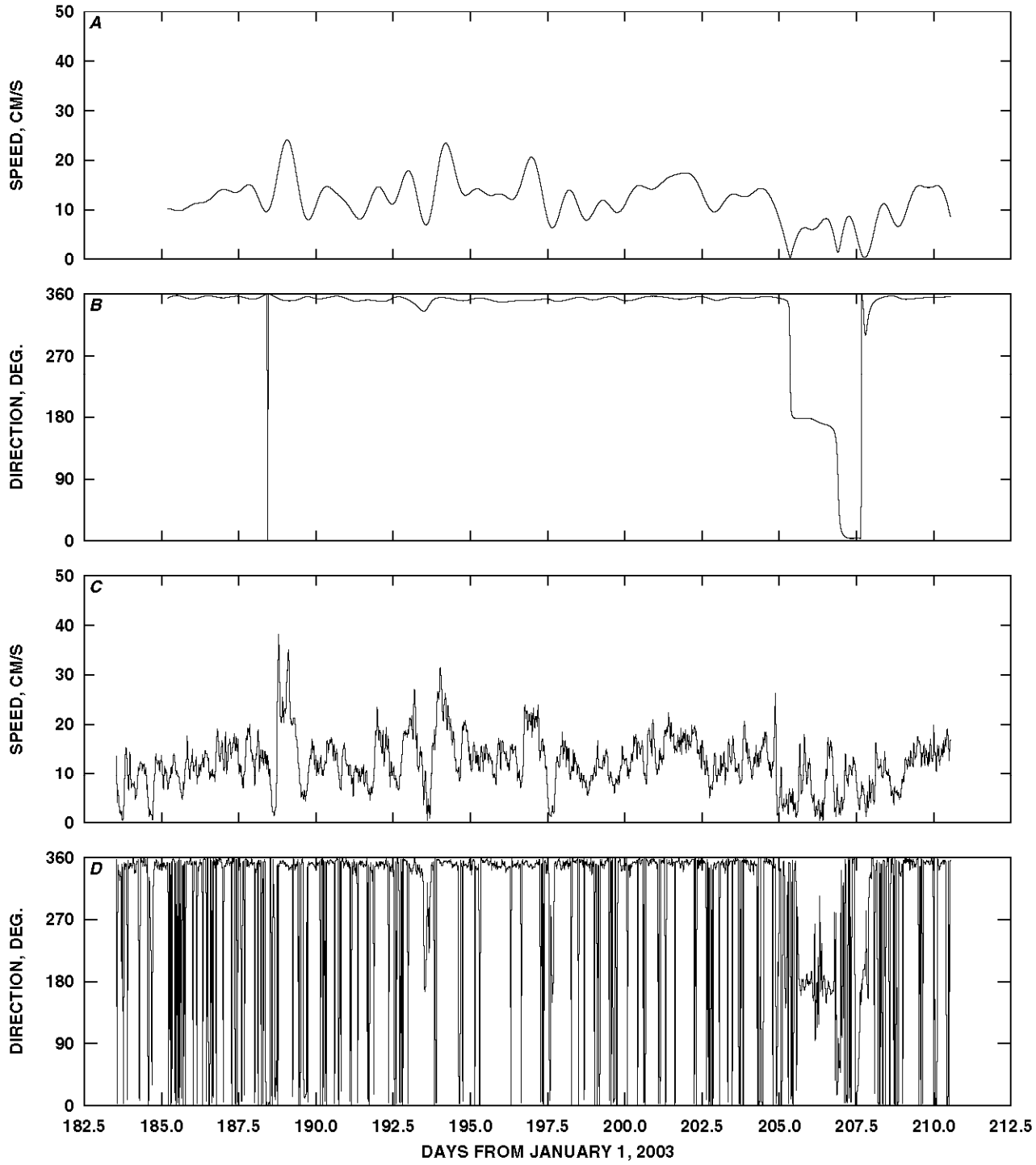

Figure A5. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 19 during the first deployment (2003) in Upper Klamath Lake at deep station (ADCP4A).

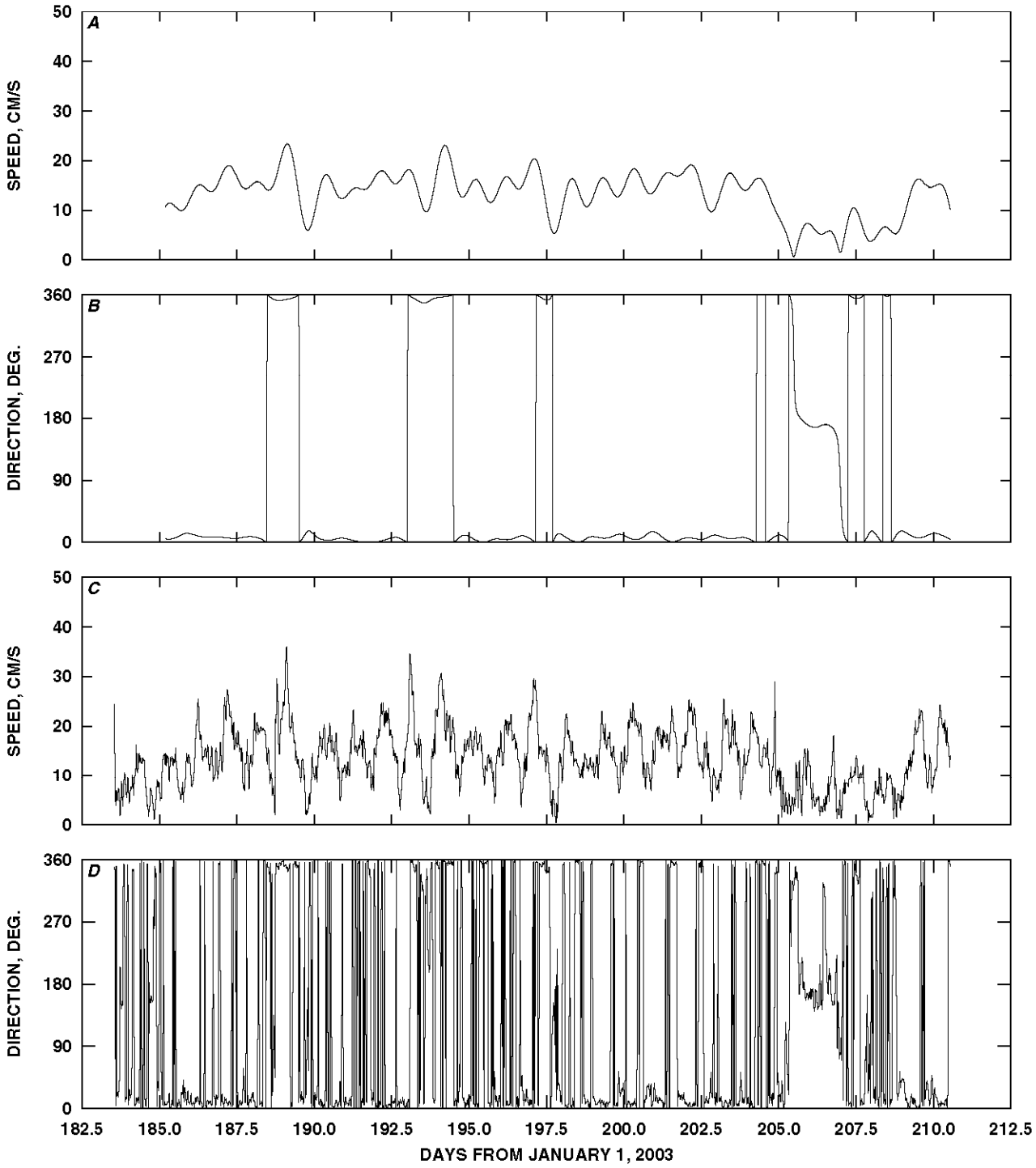

Figure A6. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 38 during the first deployment (2003) in Upper Klamath Lake at deep station (ADCP4A).

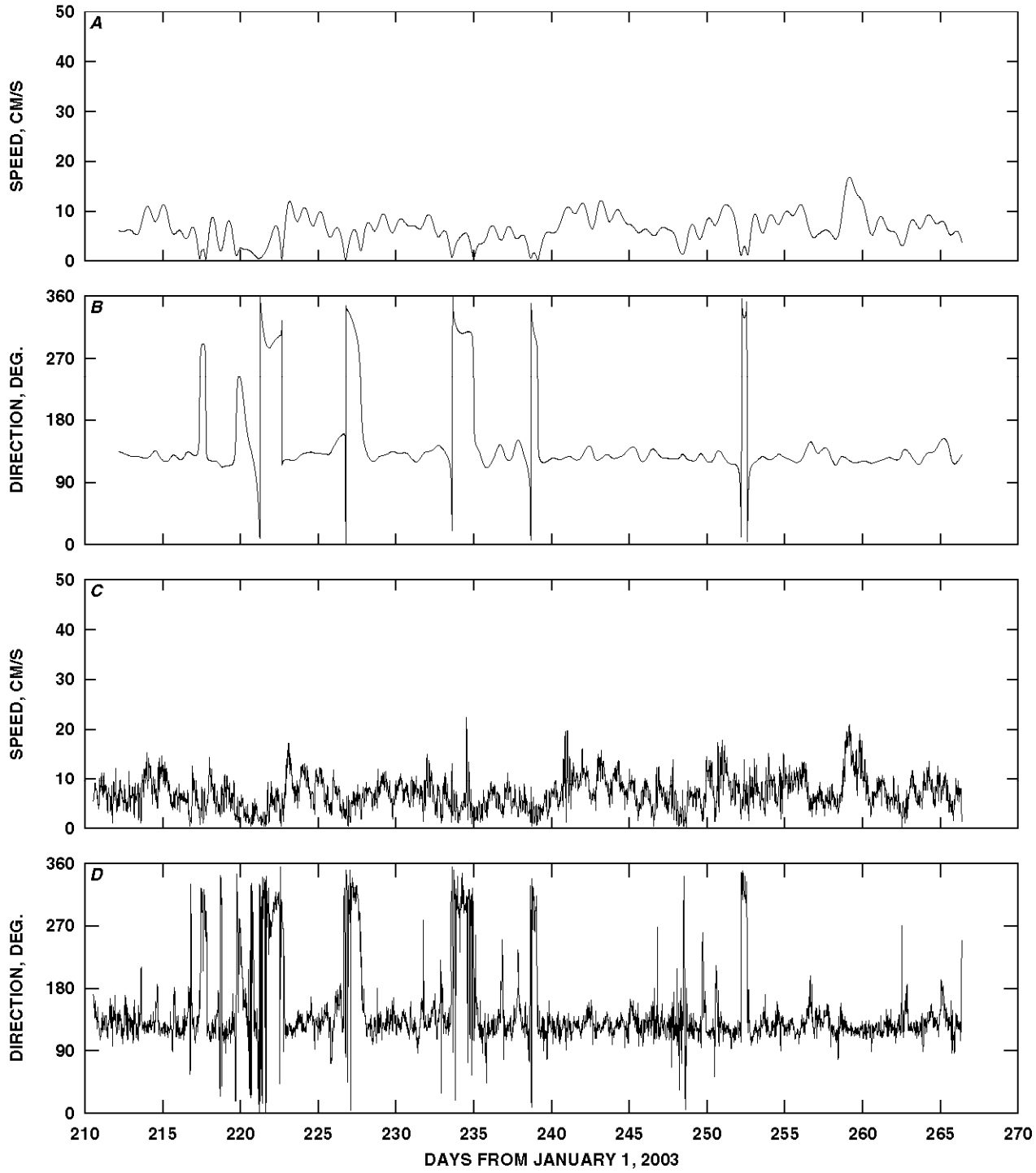

Figure A7. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the second deployment (2003) in Upper Klamath Lake at shallow station (ADCP8B).

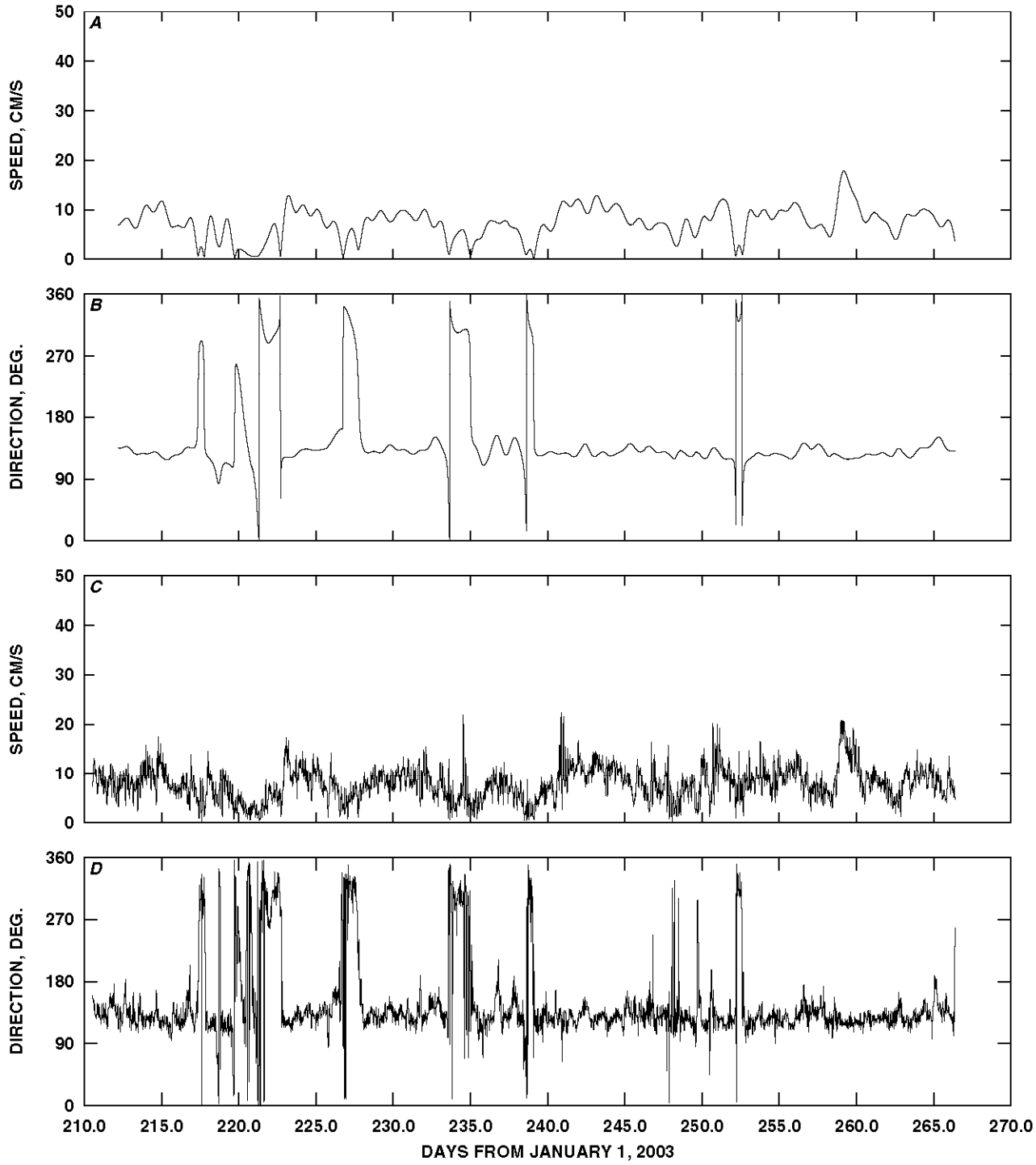

Figure A8. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 3 during the second deployment (2003) in Upper Klamath Lake at shallow station (ADSCP8B).

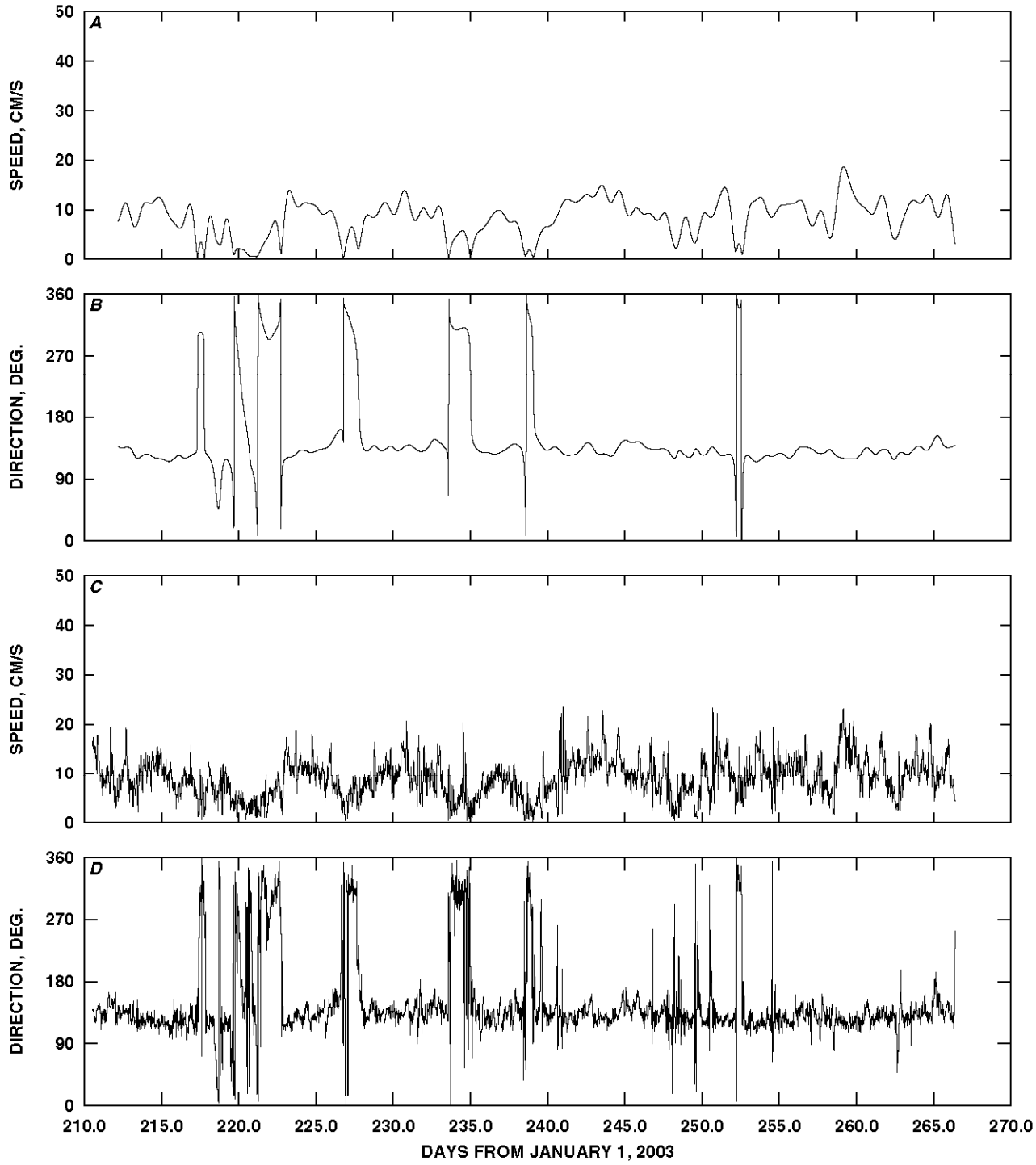

Figure A9. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 6 during the second deployment (2003) in Upper Klamath Lake at shallow station (ADCP8B).

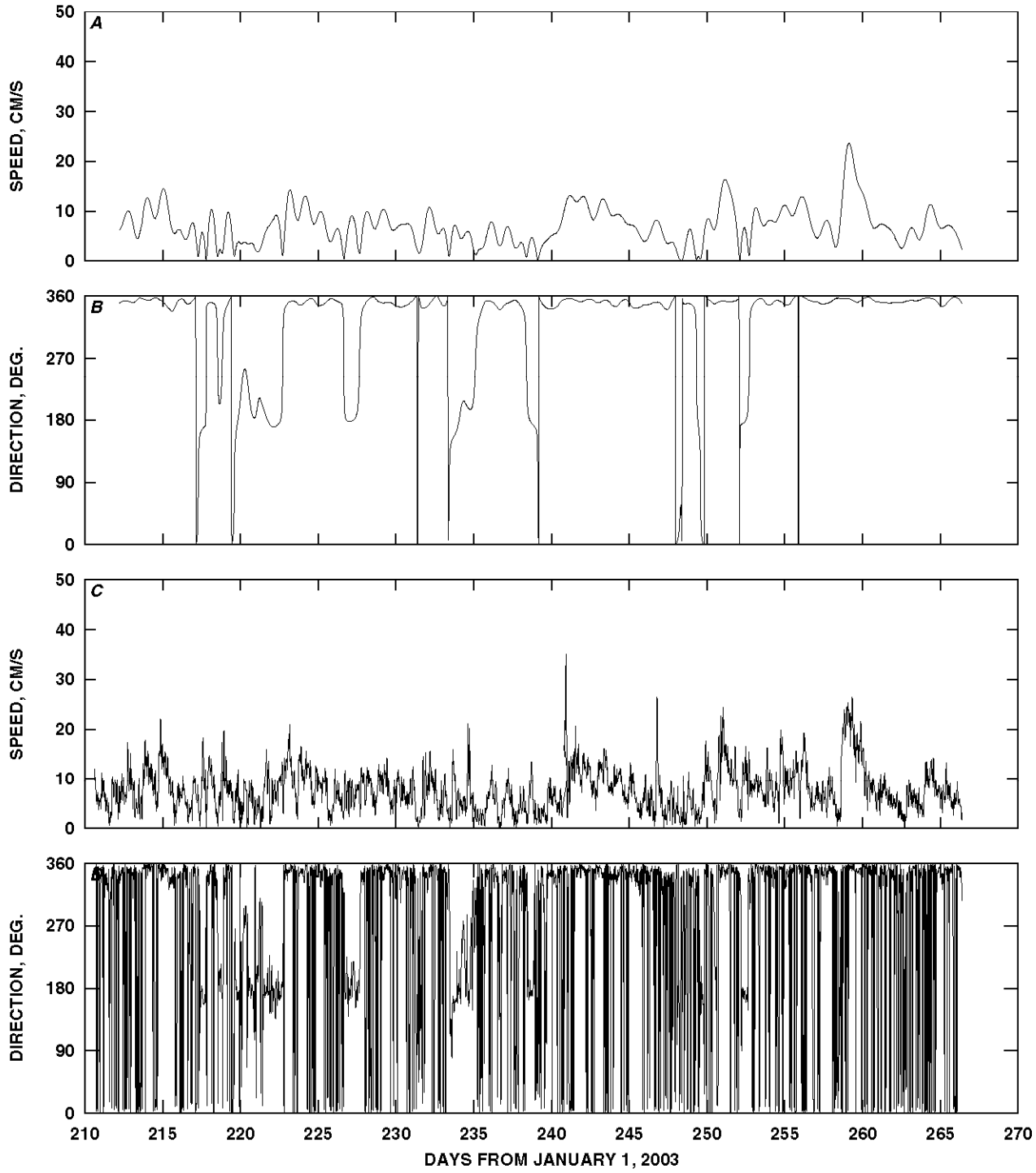

Figure A10. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the second deployment (2003) in Upper Klamath Lake at deep station (ADCP4B).

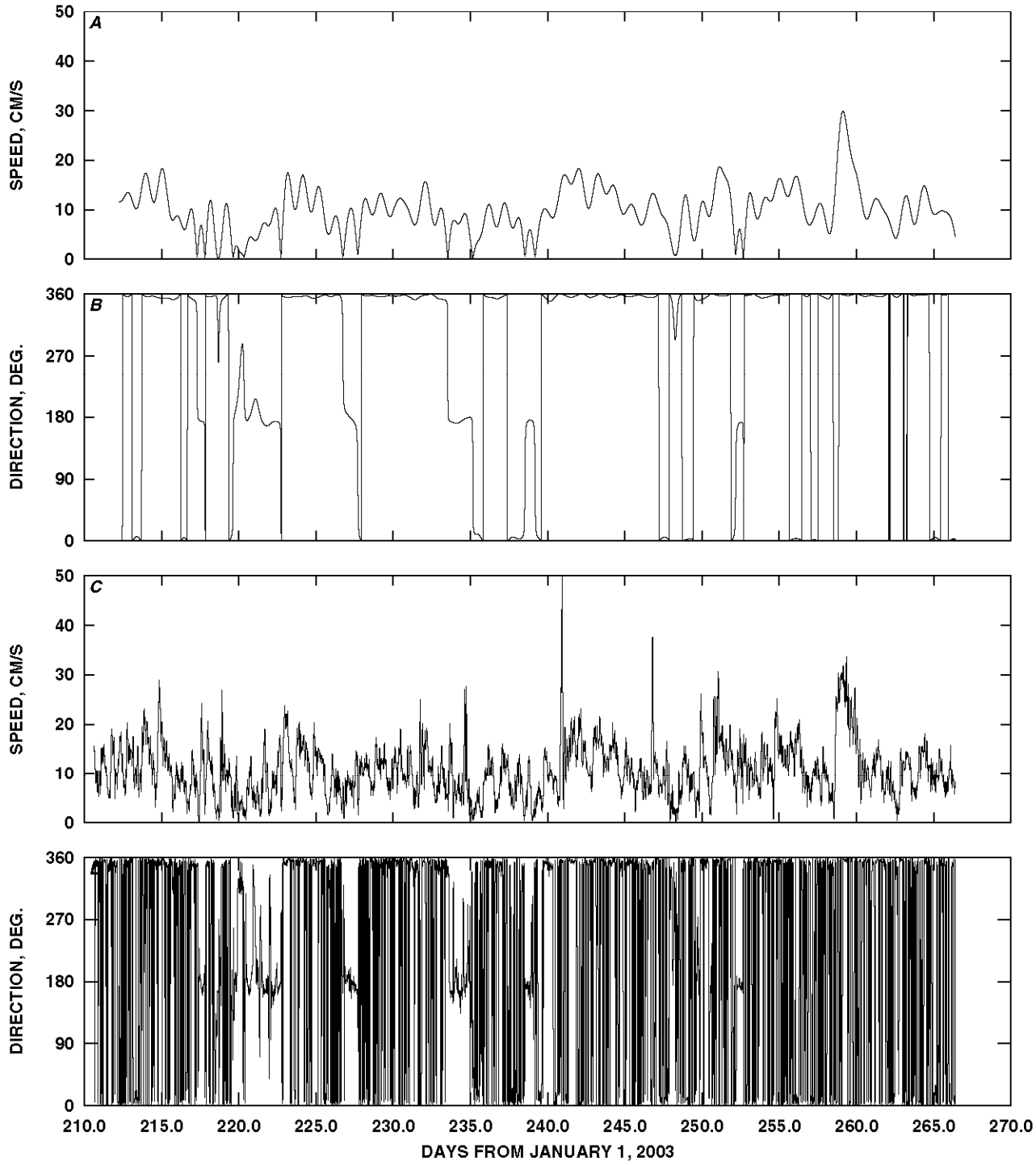

Figure A11. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 18 during the second deployment (2003) in Upper Klamath Lake at deep station (ADCP4B).

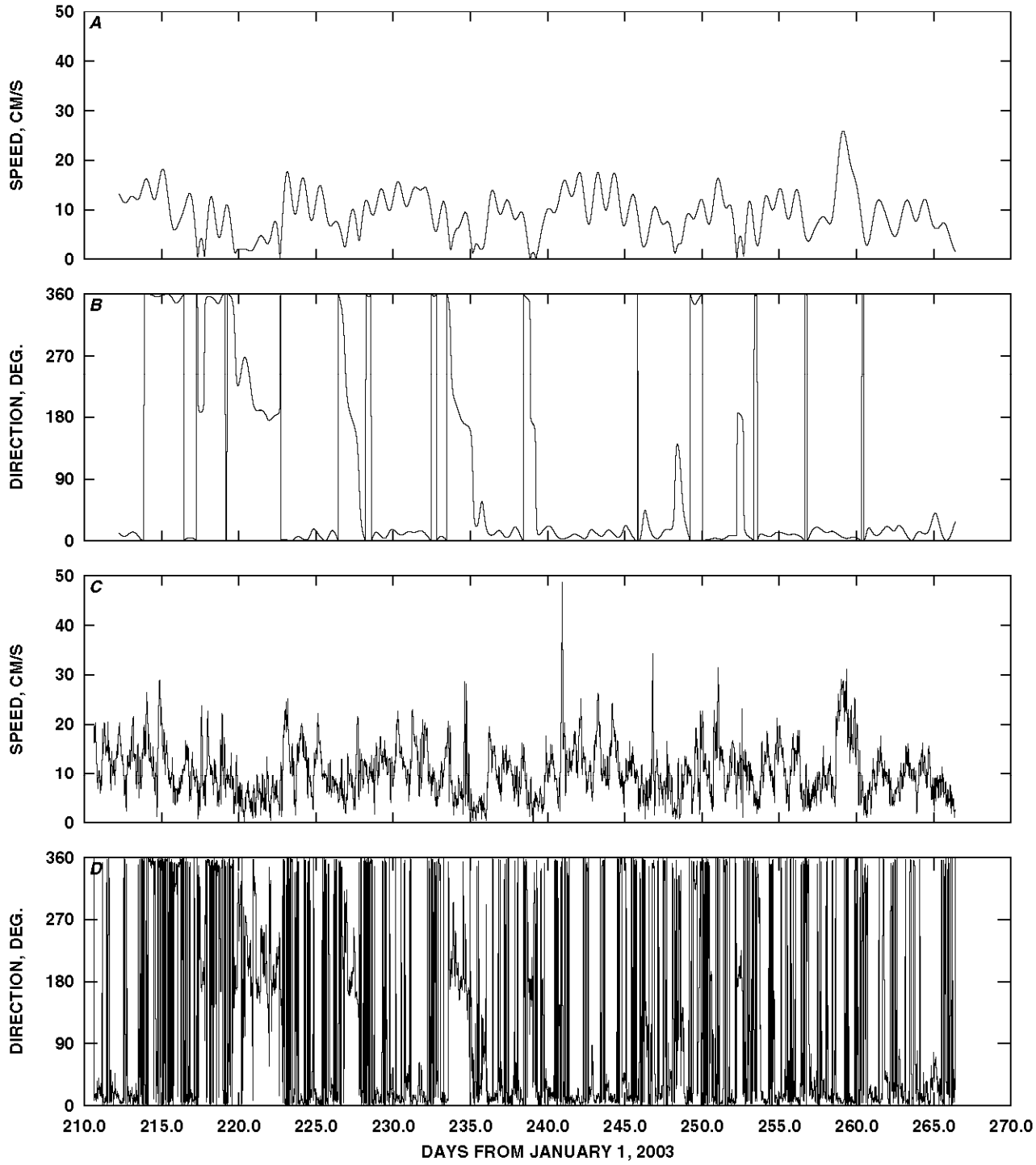

Figure A12. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 37 during the second deployment (2003) in Upper Klamath Lake at deep station (ADCP4B).

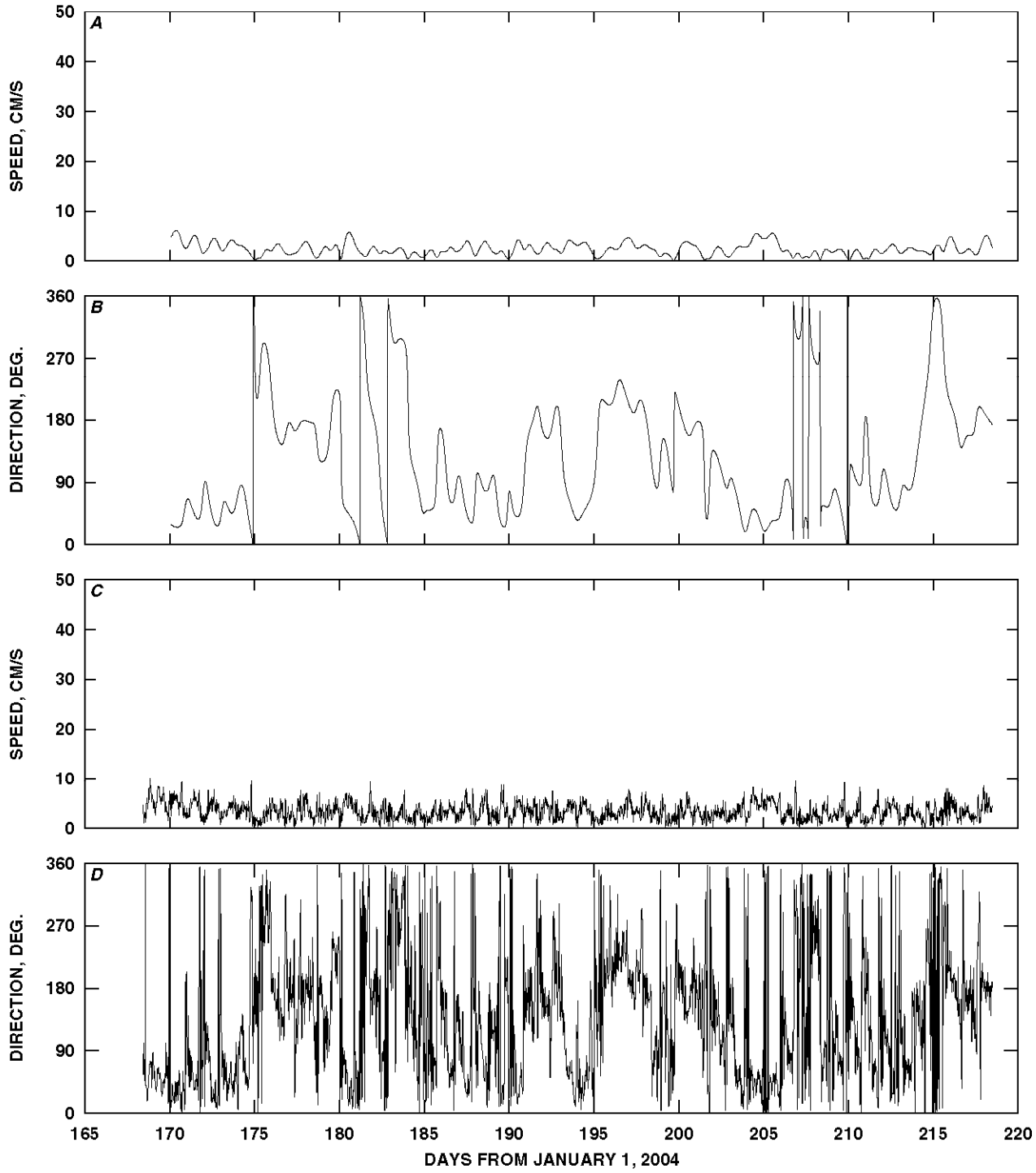

Figure A13. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the first deployment (2004) in Upper Klamath Lake at shallow station (ADCP2A).

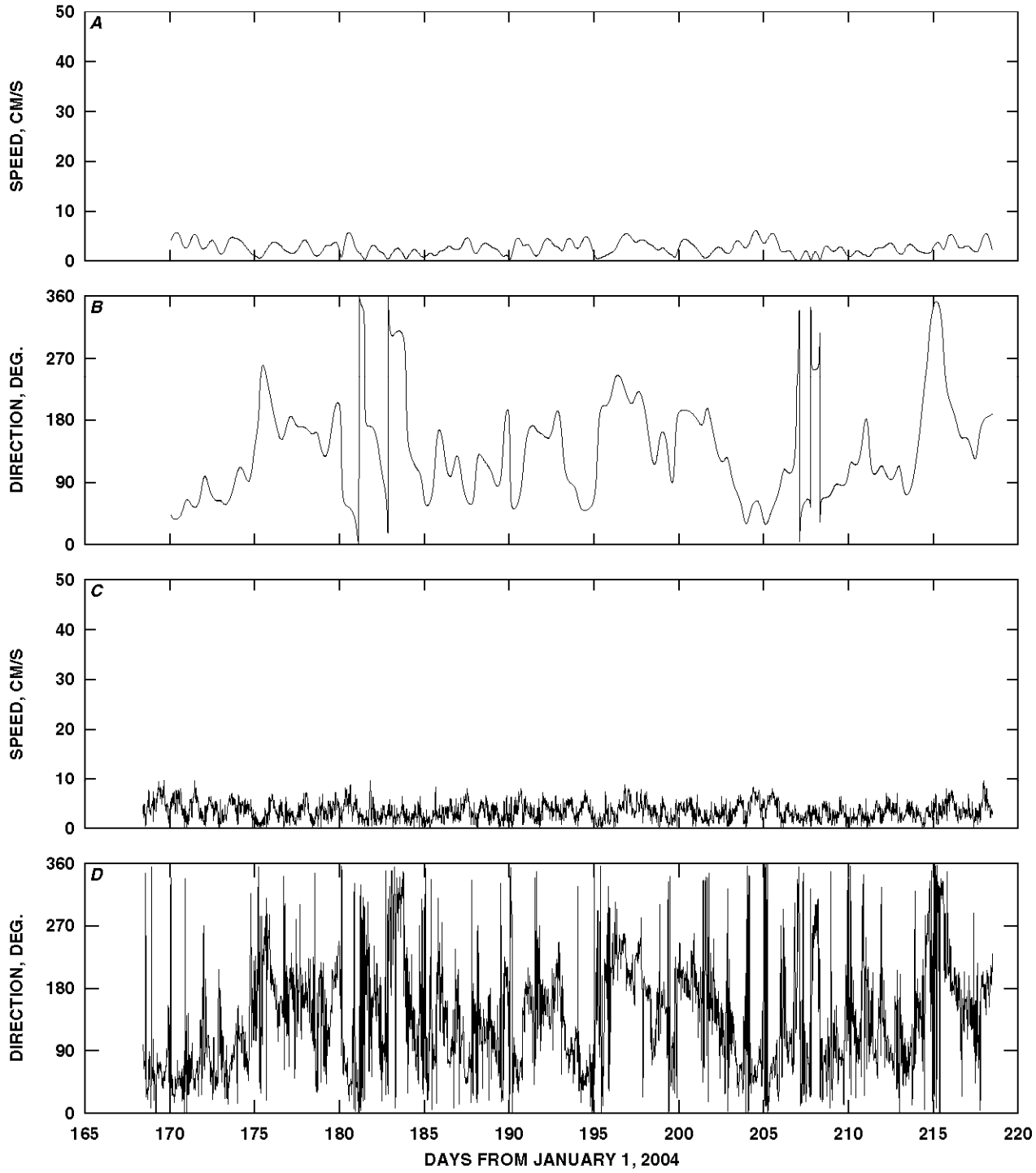

Figure A14. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 5 during the first deployment (2004) in Upper Klamath Lake at shallow station (ADCP2A).

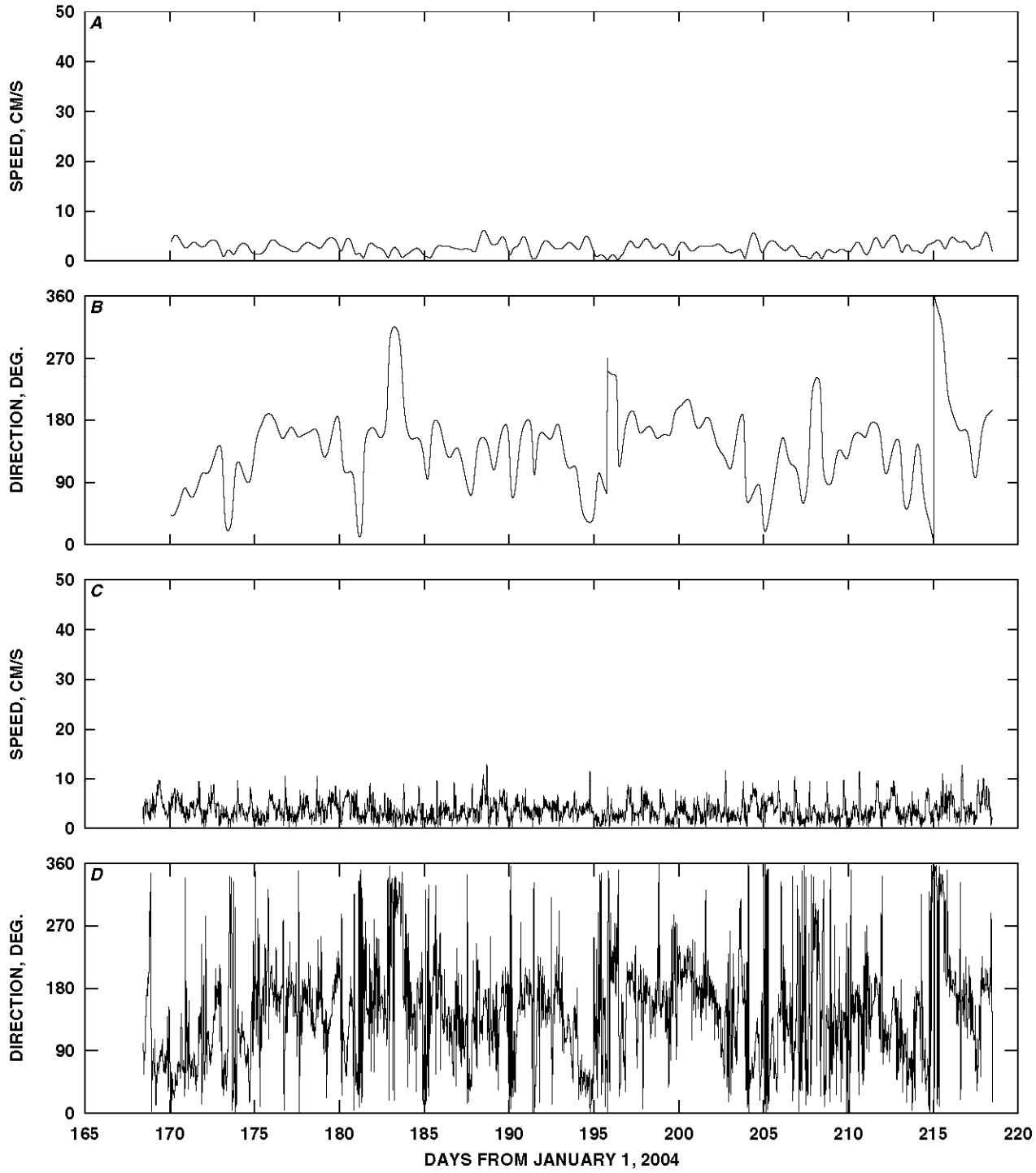

Figure A15. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 9 during the first deployment (2004) in Upper Klamath Lake at shallow station (ADCP2A).

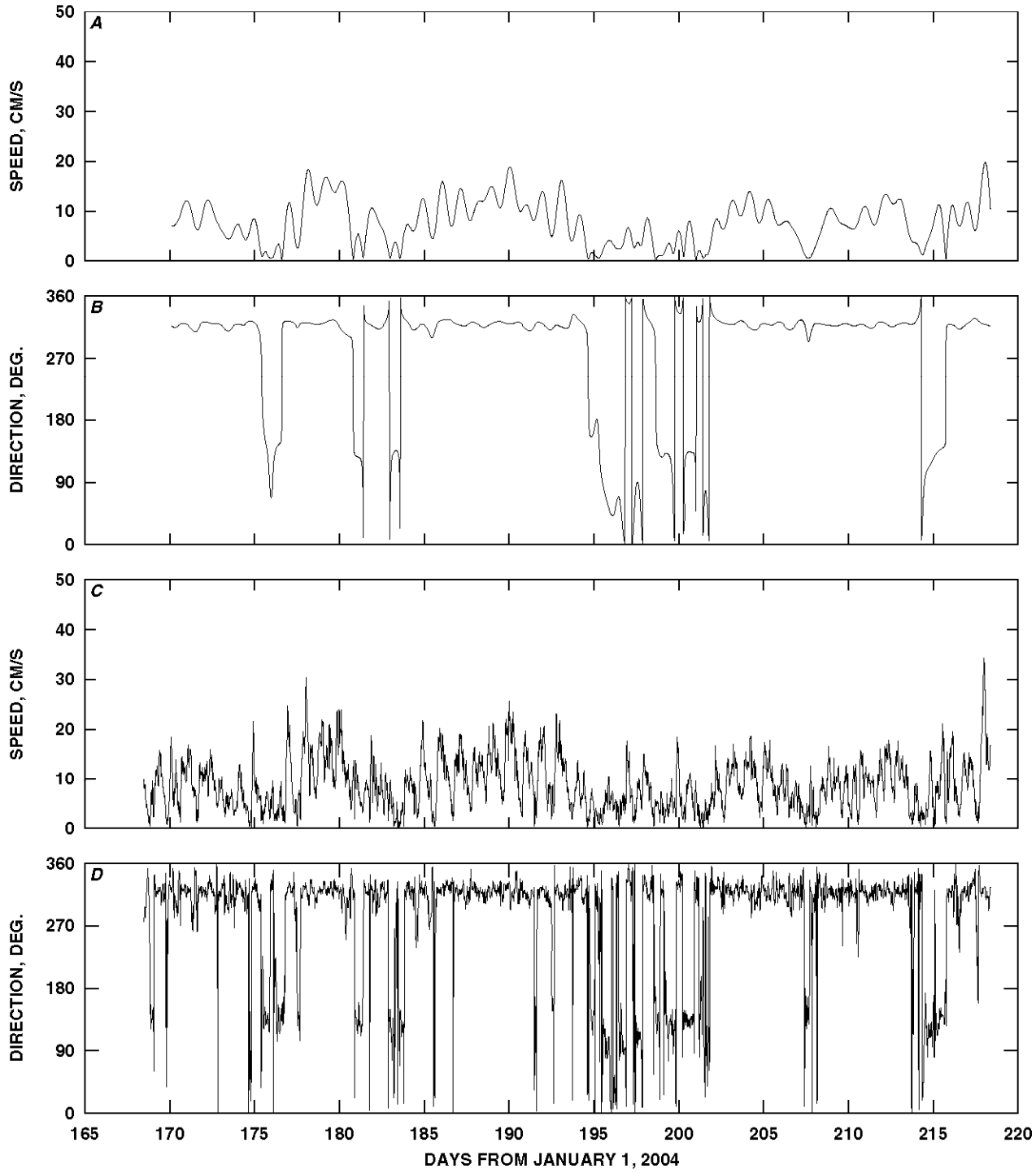

Figure A16. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the first deployment (2004) in Upper Klamath Lake at deep station (ADCP1A).

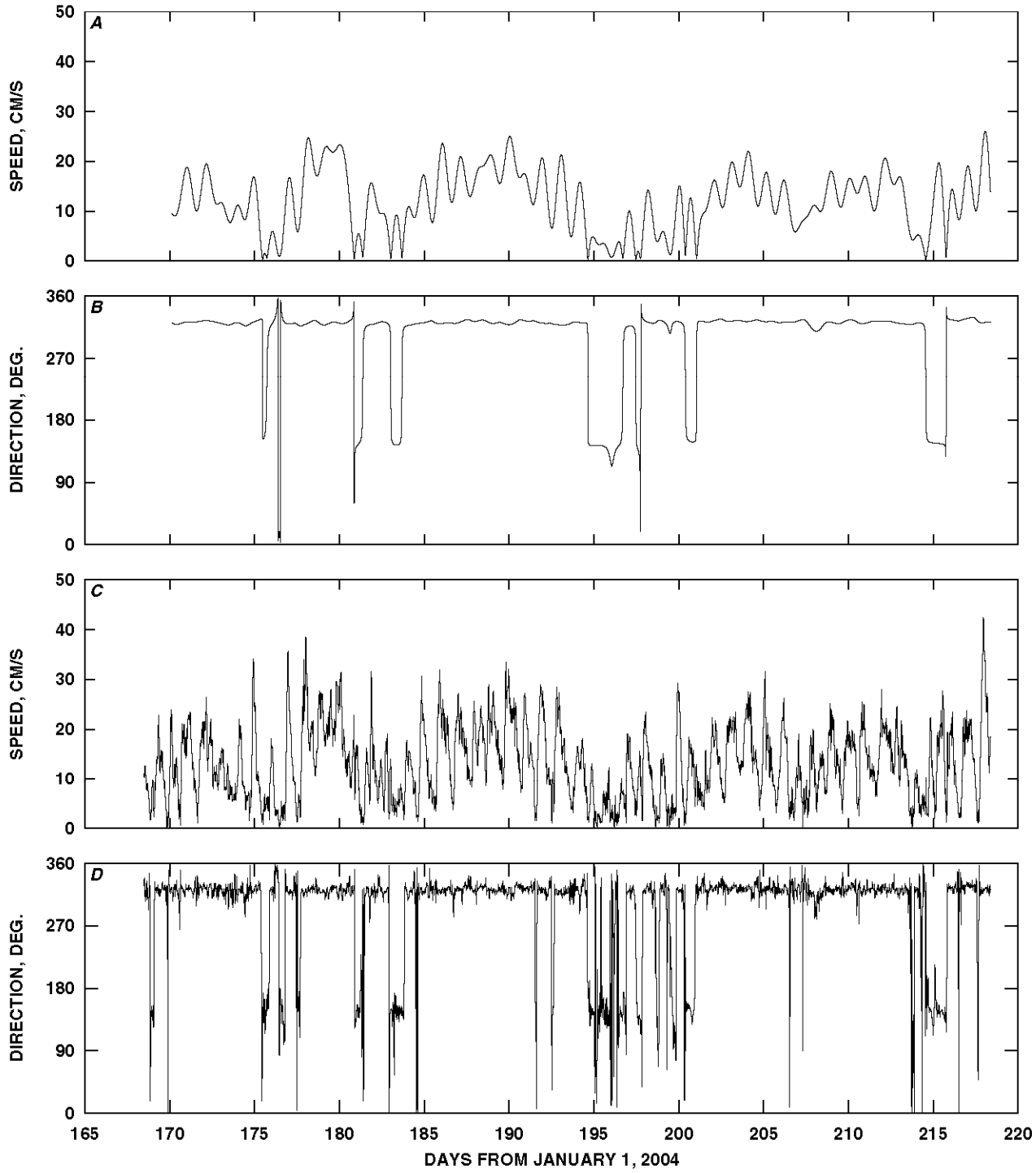

Figure A17. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 11 during the first deployment (2004) in Upper Klamath Lake at deep station (ADCP1A).

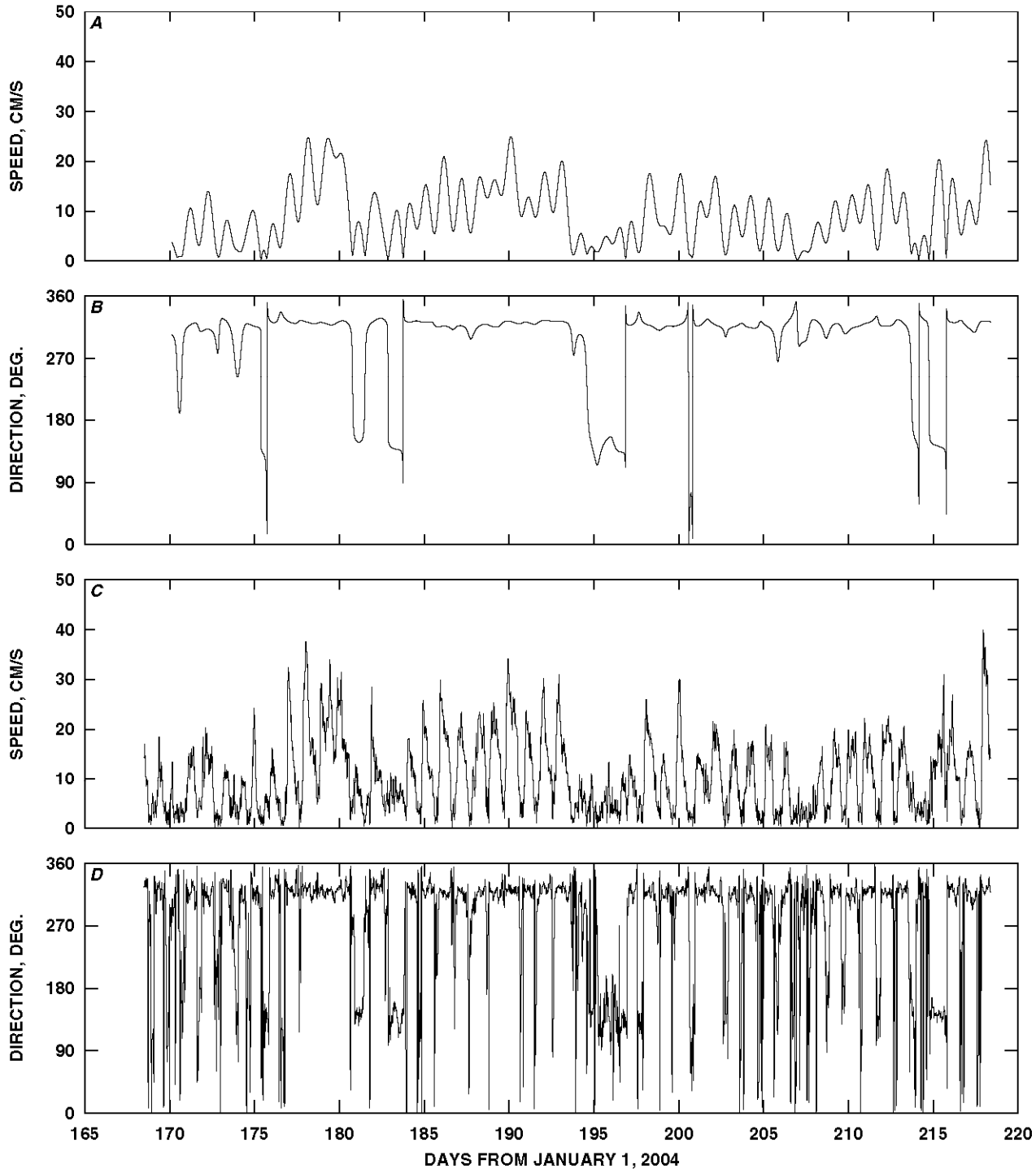

Figure A18. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 23 during the first deployment (2004) in Upper Klamath Lake at deep station (ADCP1A).

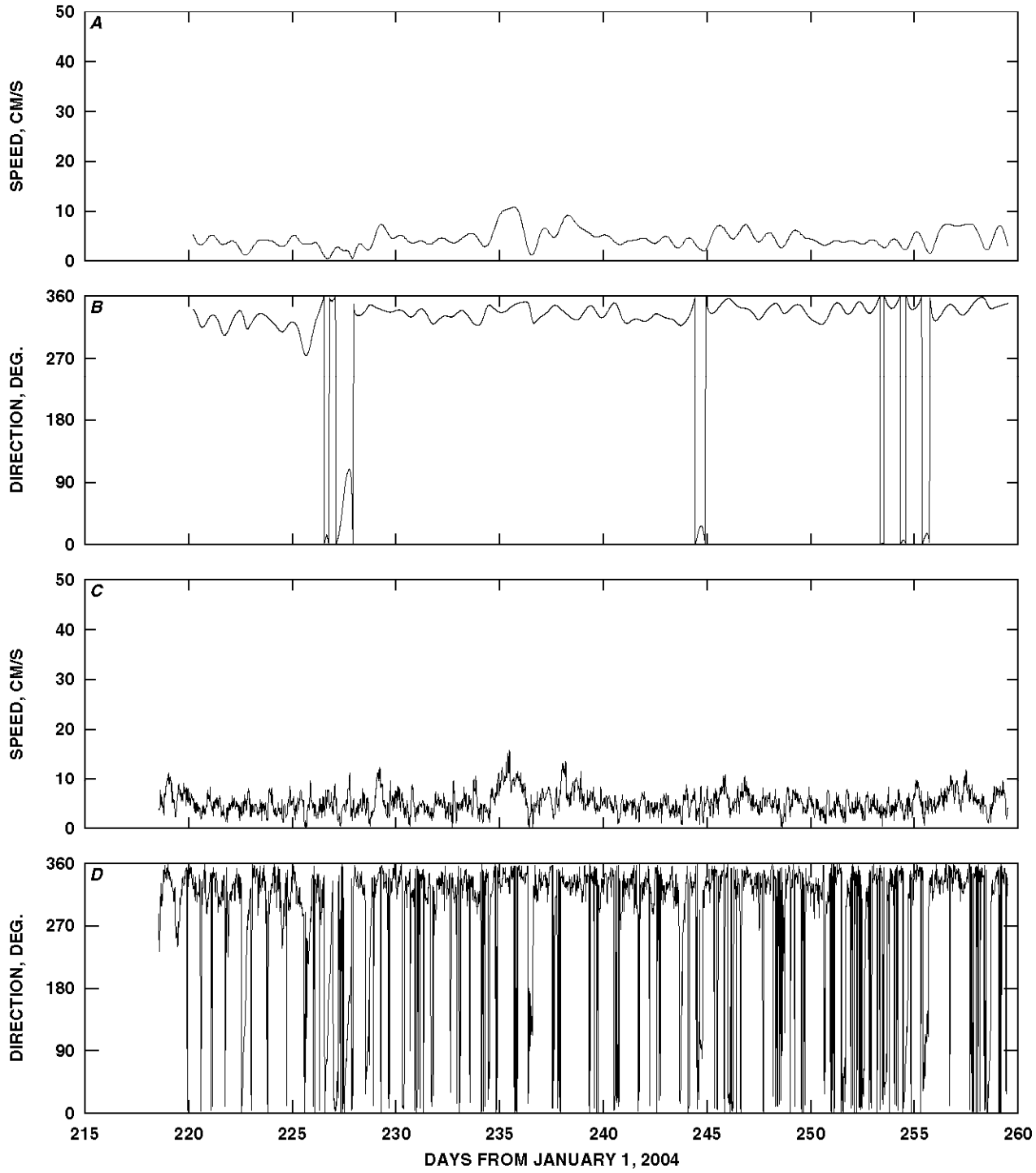

Figure A19. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the second deployment (2004) in Upper Klamath Lake at shallow station (ADCP3A).

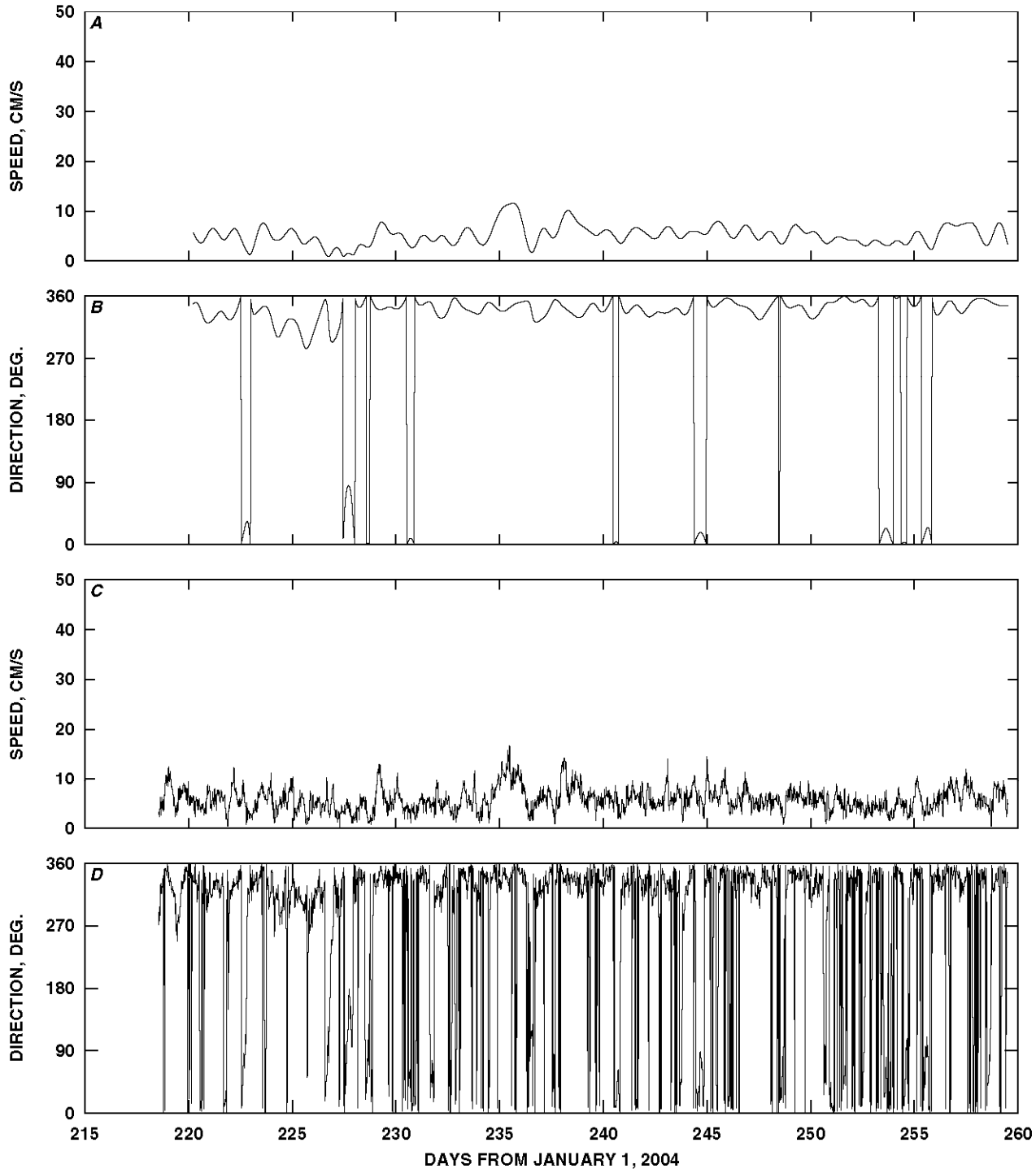

Figure A20. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 4 during the second deployment (2004) in Upper Klamath Lake at shallow station (ADCP3A).

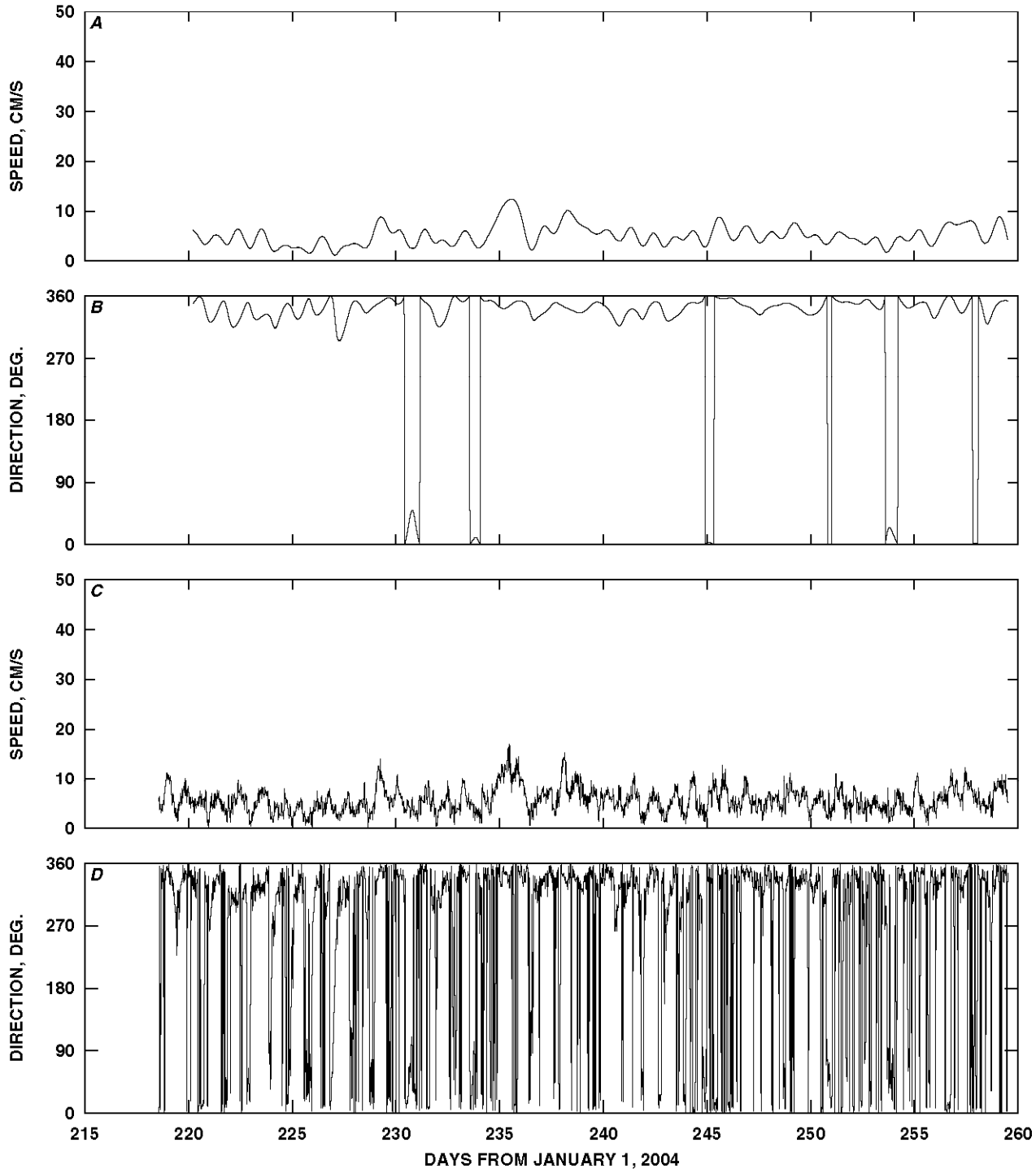

Figure A21. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 8 during the second deployment (2004) in Upper Klamath Lake at shallow station (ADCP3A).

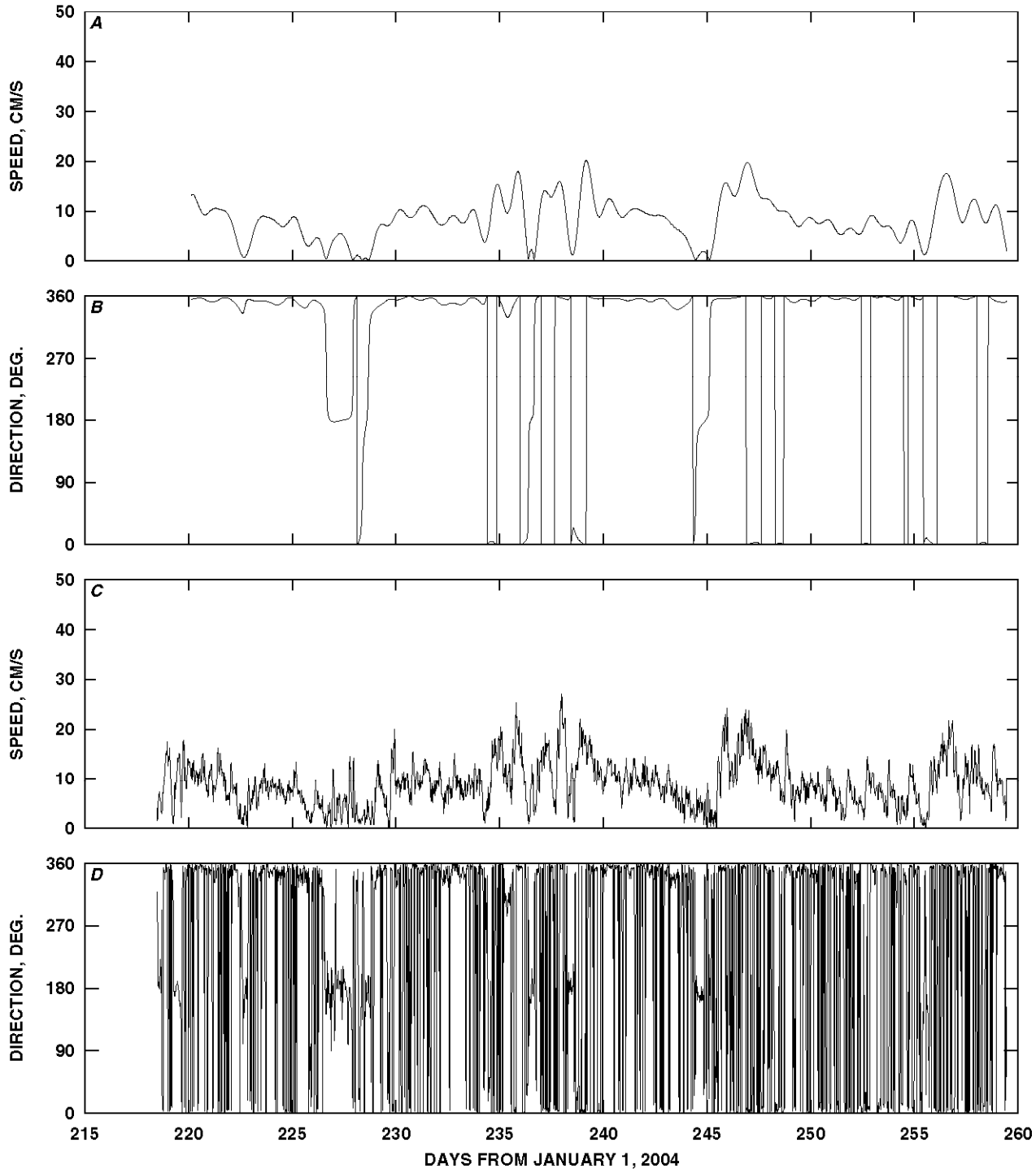

Figure A22. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the second deployment (2004) in Upper Klamath Lake at deep station (ADCP4C).

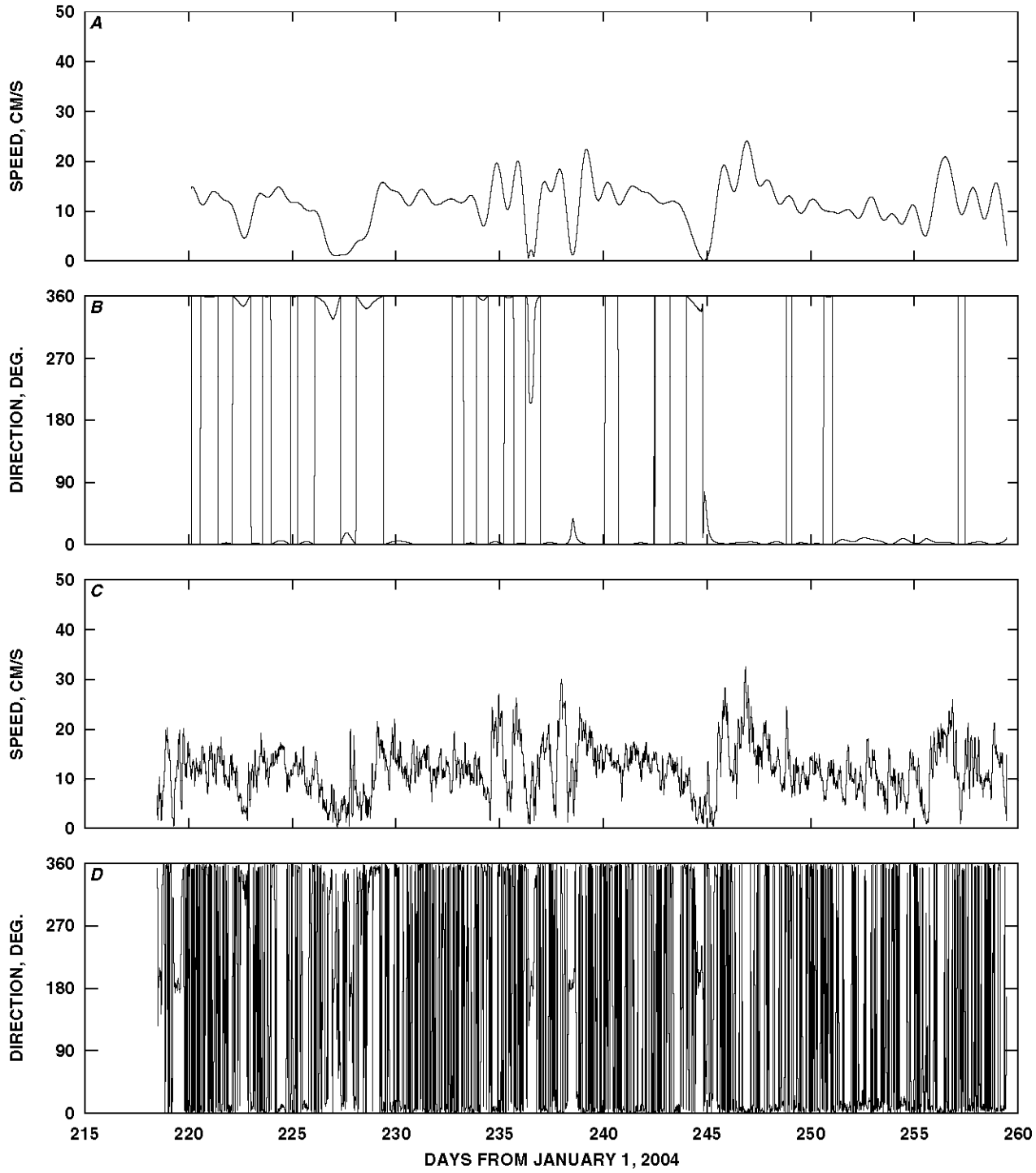

Figure A23. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 7 during the second deployment (2004) in Upper Klamath Lake at deep station (ADCP4C).

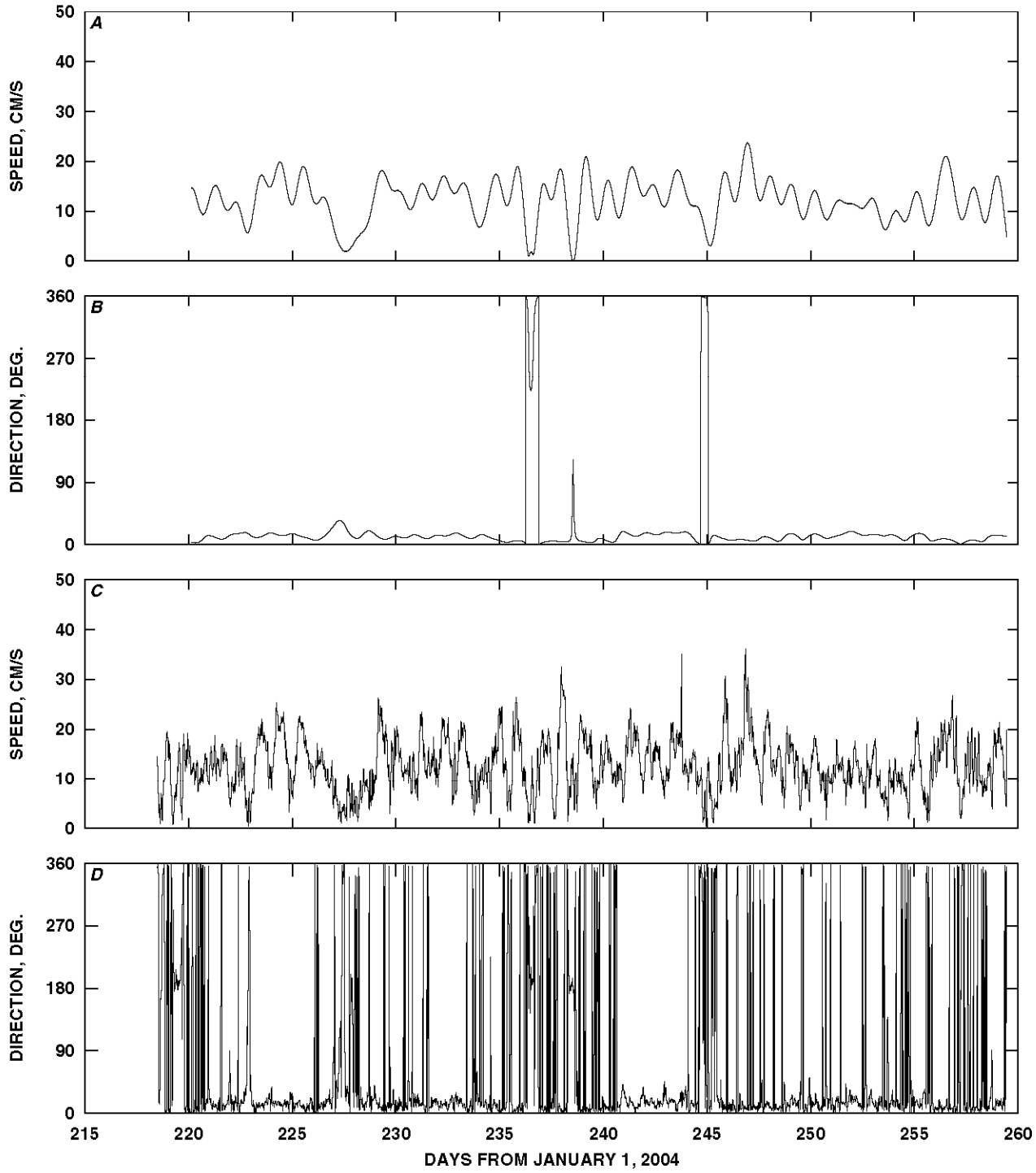

Figure A24. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 14 during the second deployment (2004) in Upper Klamath Lake at deep station (ADCP4C).

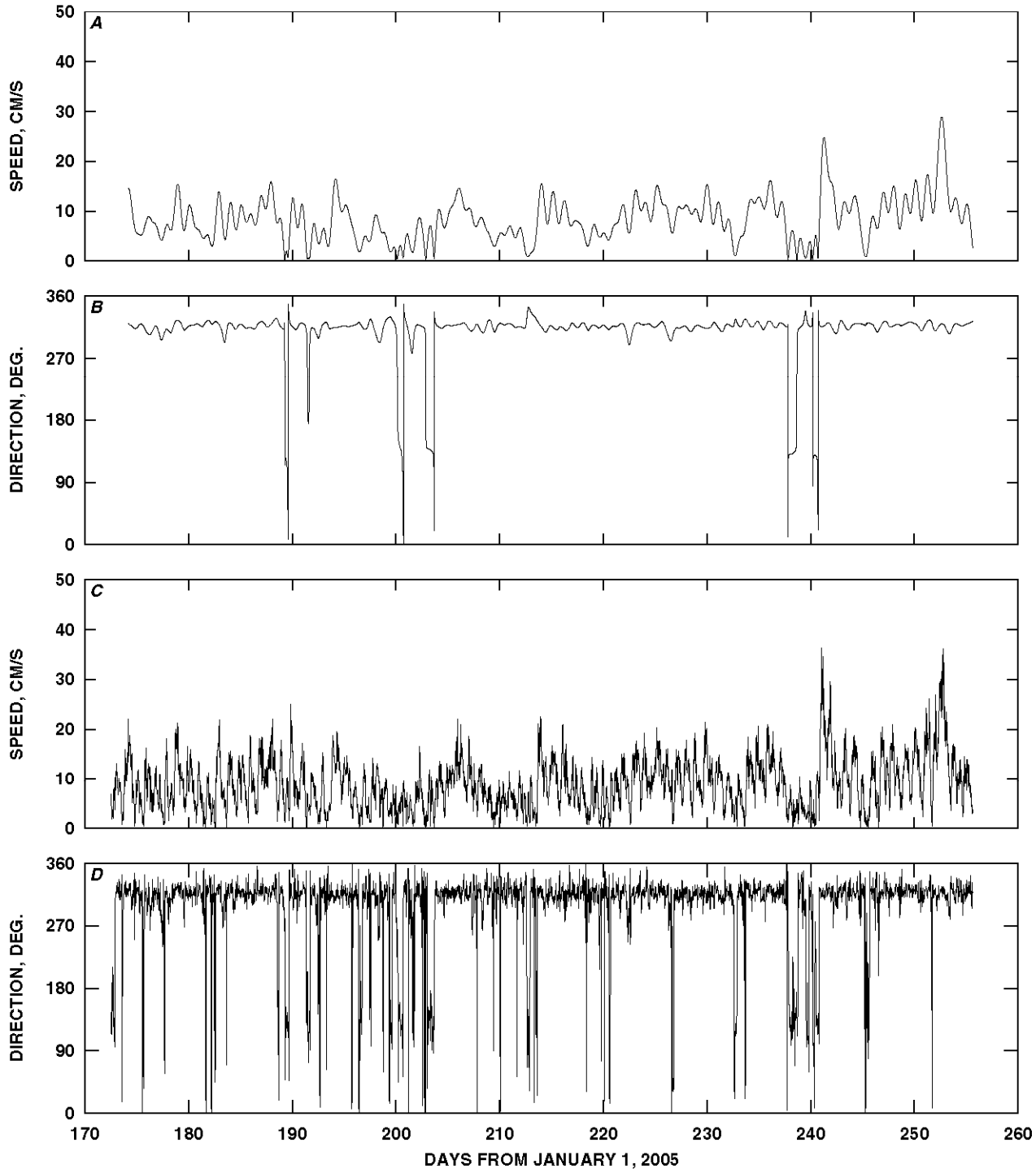

Figure A25. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the deployment (2005) in Upper Klamath Lake at deep station (ADCP1B).

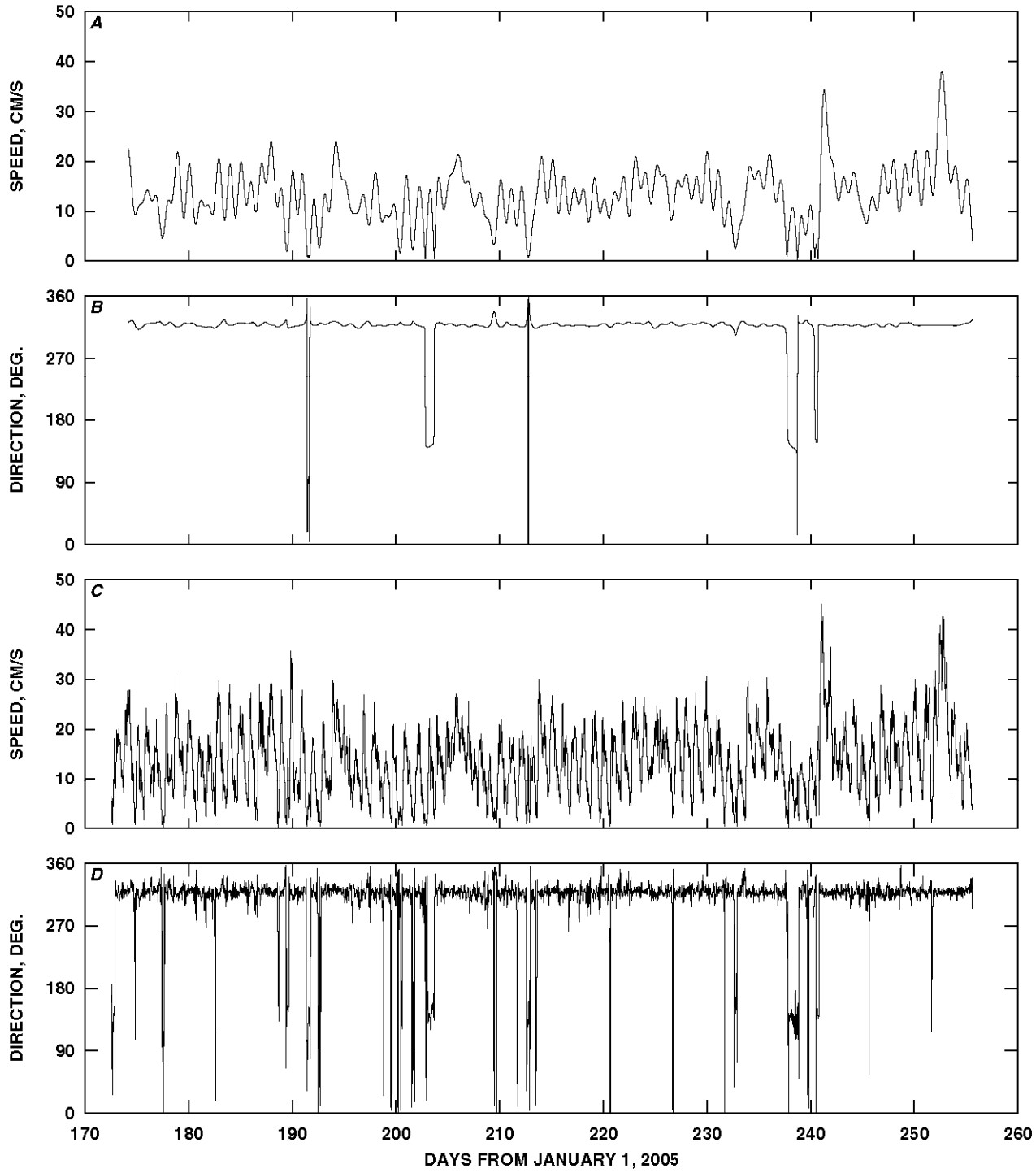

Figure A26. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 11 during the deployment (2005) in Upper Klamath Lake at deep station (ADCP1B).

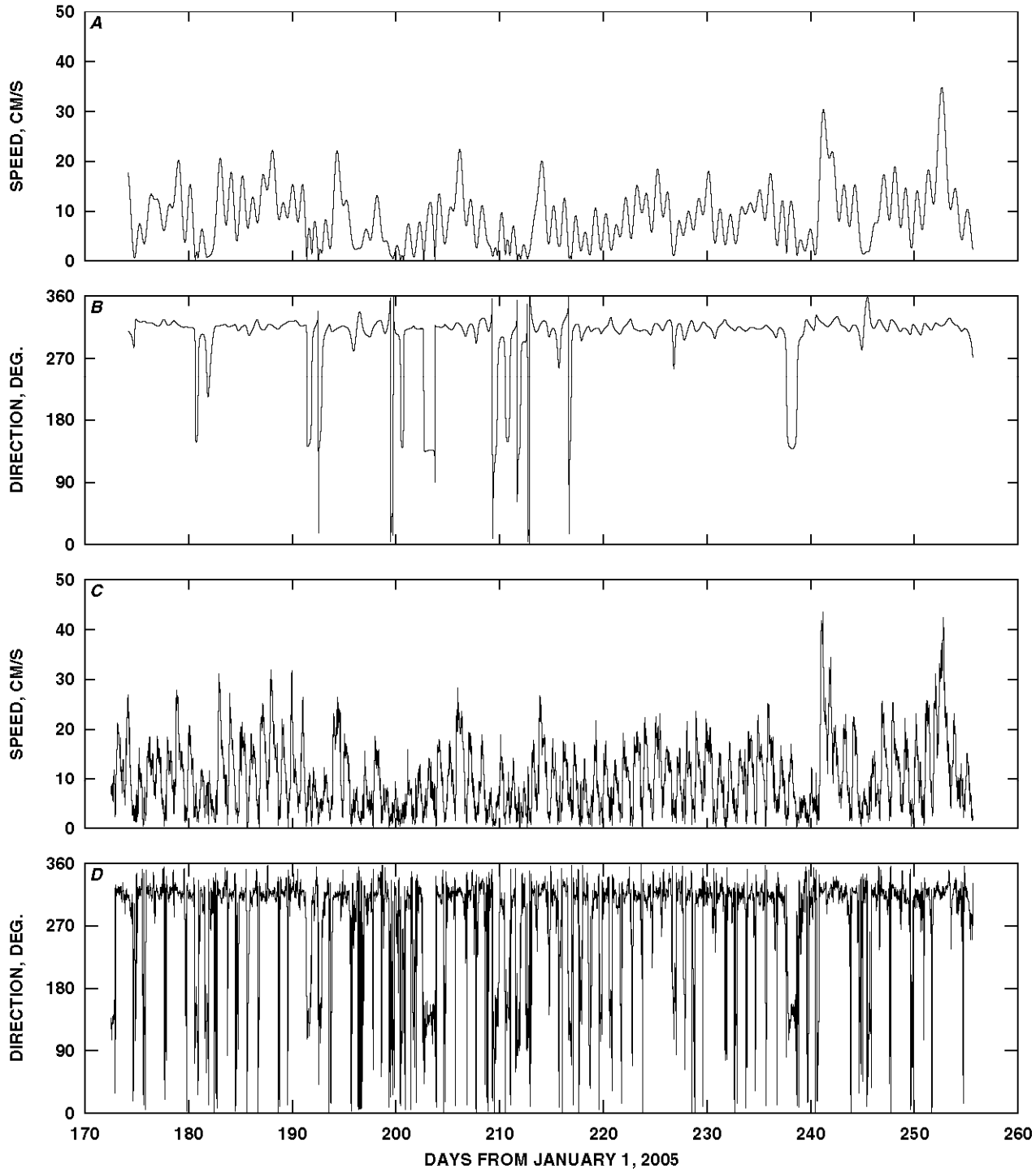

Figure A27. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 23 during the deployment (2005) in Upper Klamath Lake at deep station (ADCP1B).

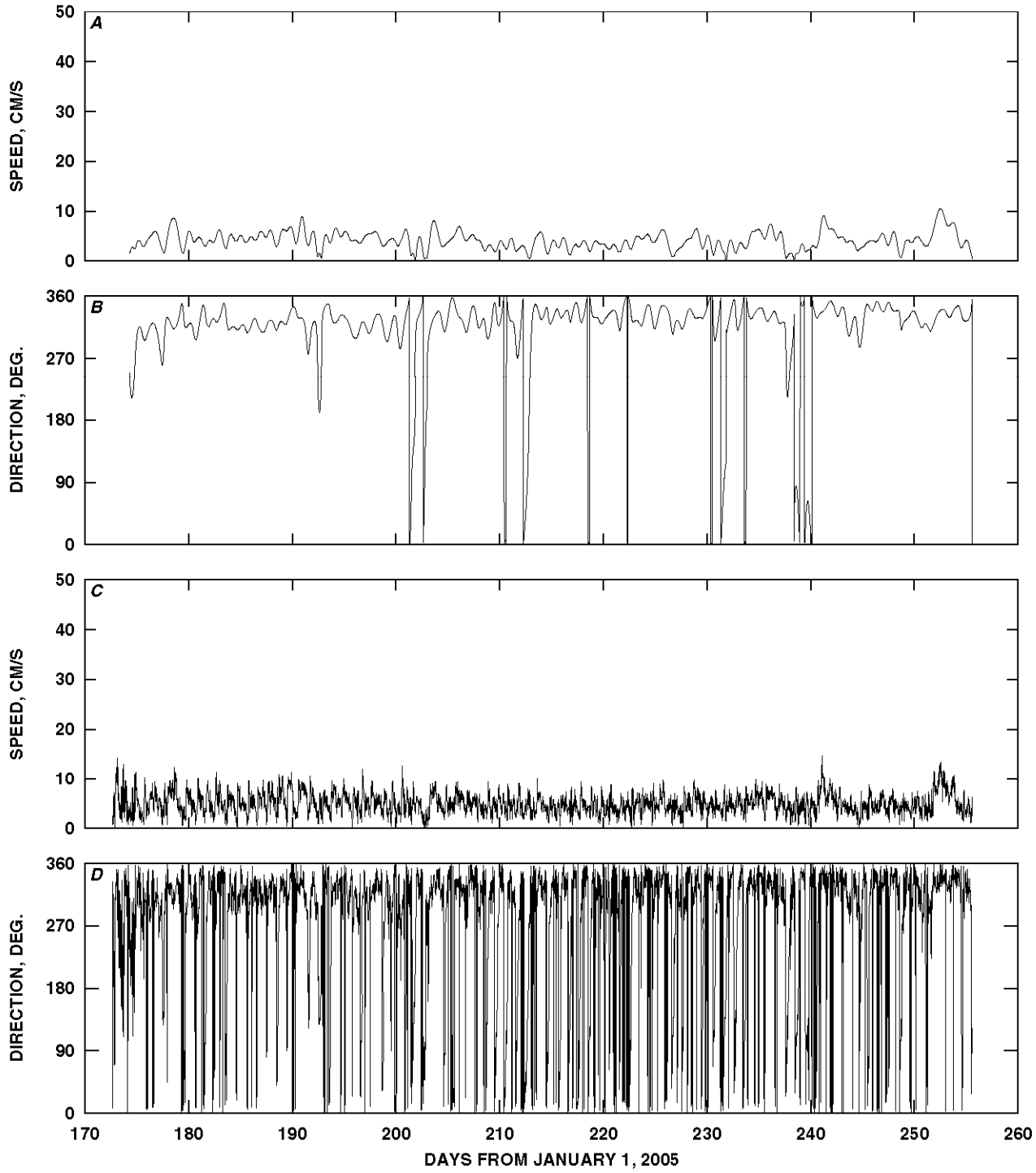

Figure A28. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the deployment (2005) in Upper Klamath Lake at shallow station (ADCP3B).

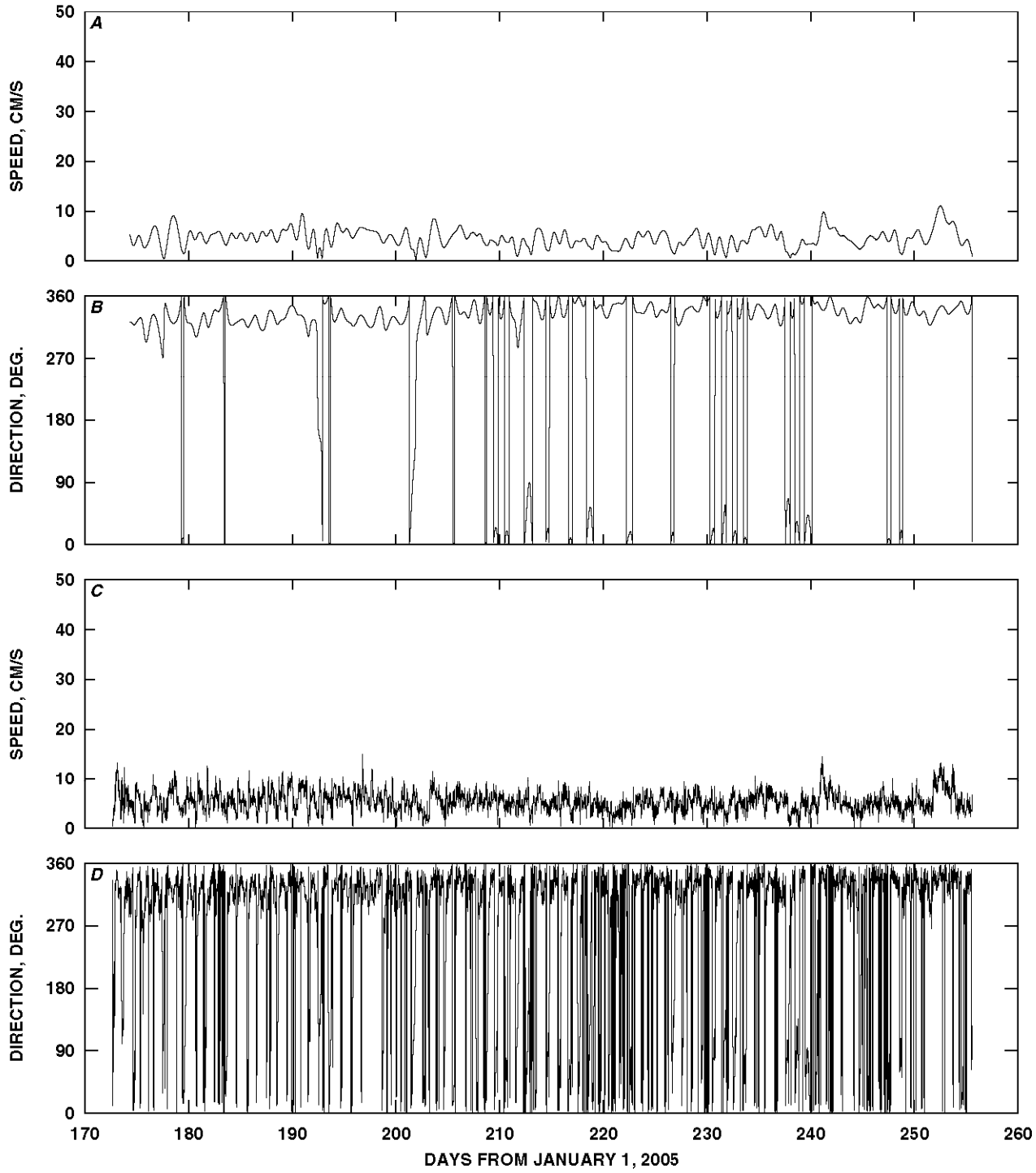

Figure A29. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 4 during the deployment (2005) in Upper Klamath Lake at shallow station (ADCP3B).

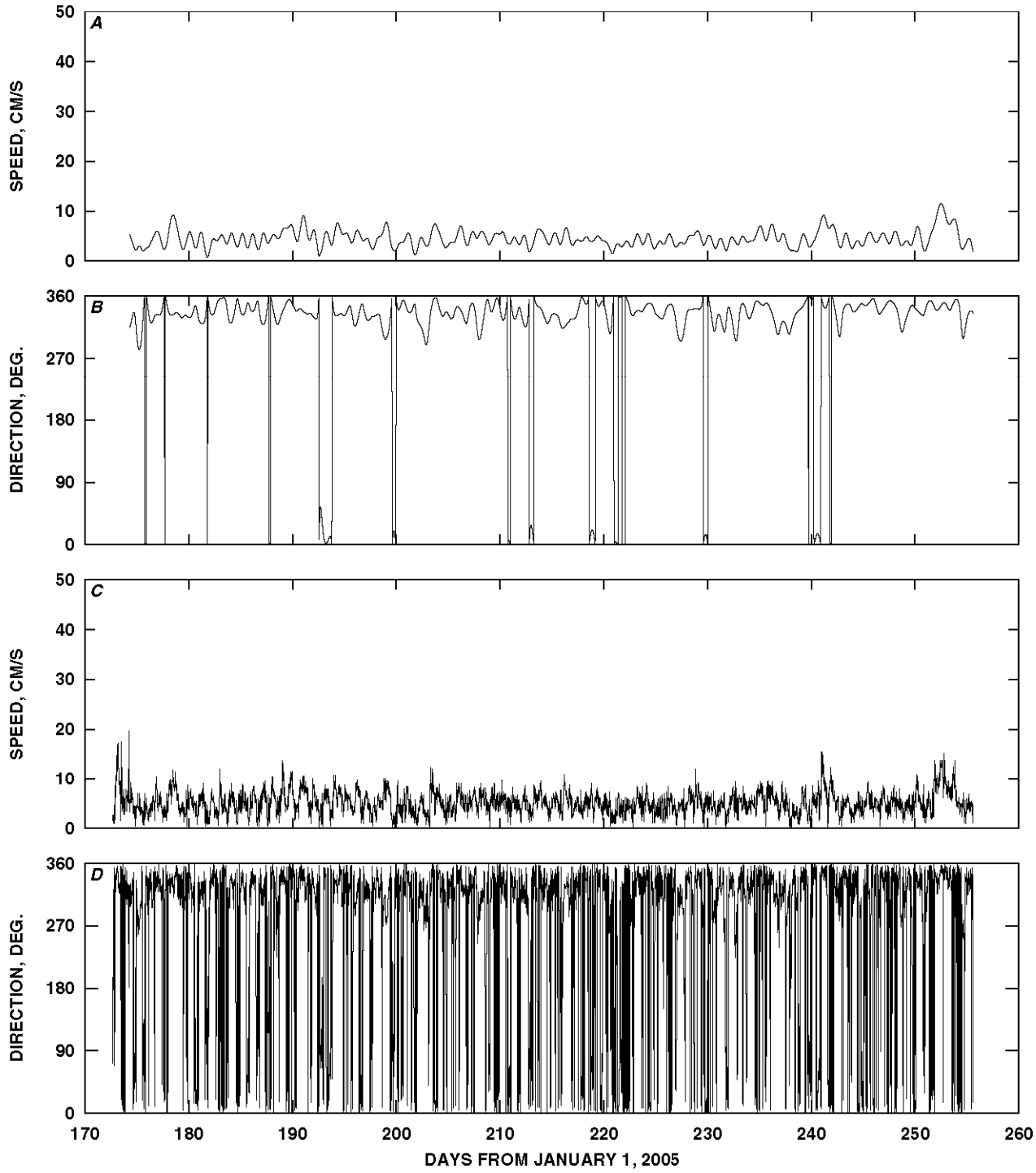

Figure A30. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 9 during the deployment (2005) in Upper Klamath Lake at shallow station (ADCP3B).

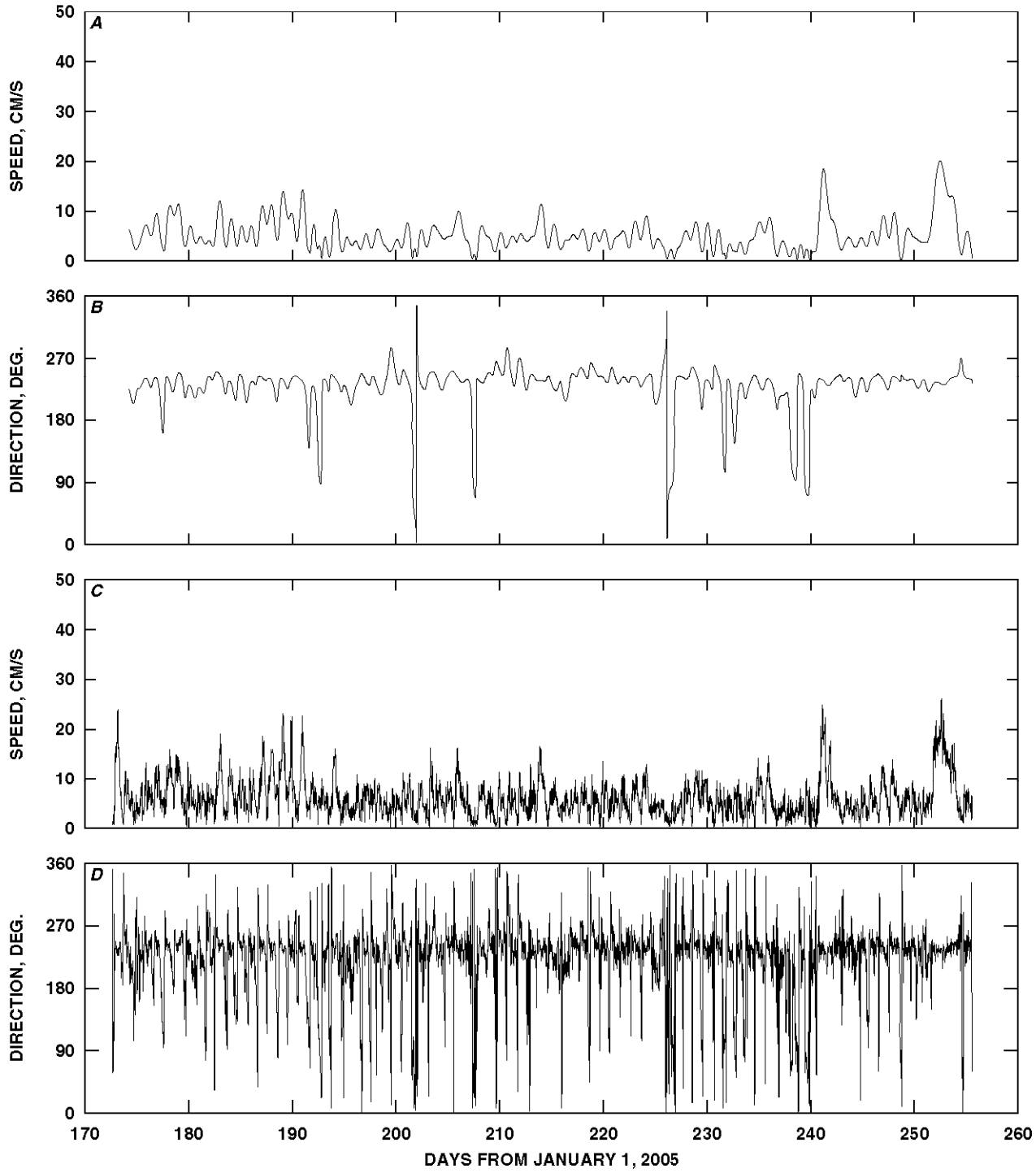

Figure A31. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the deployment (2005) in Upper Klamath Lake at shallow station (ADCP5A).

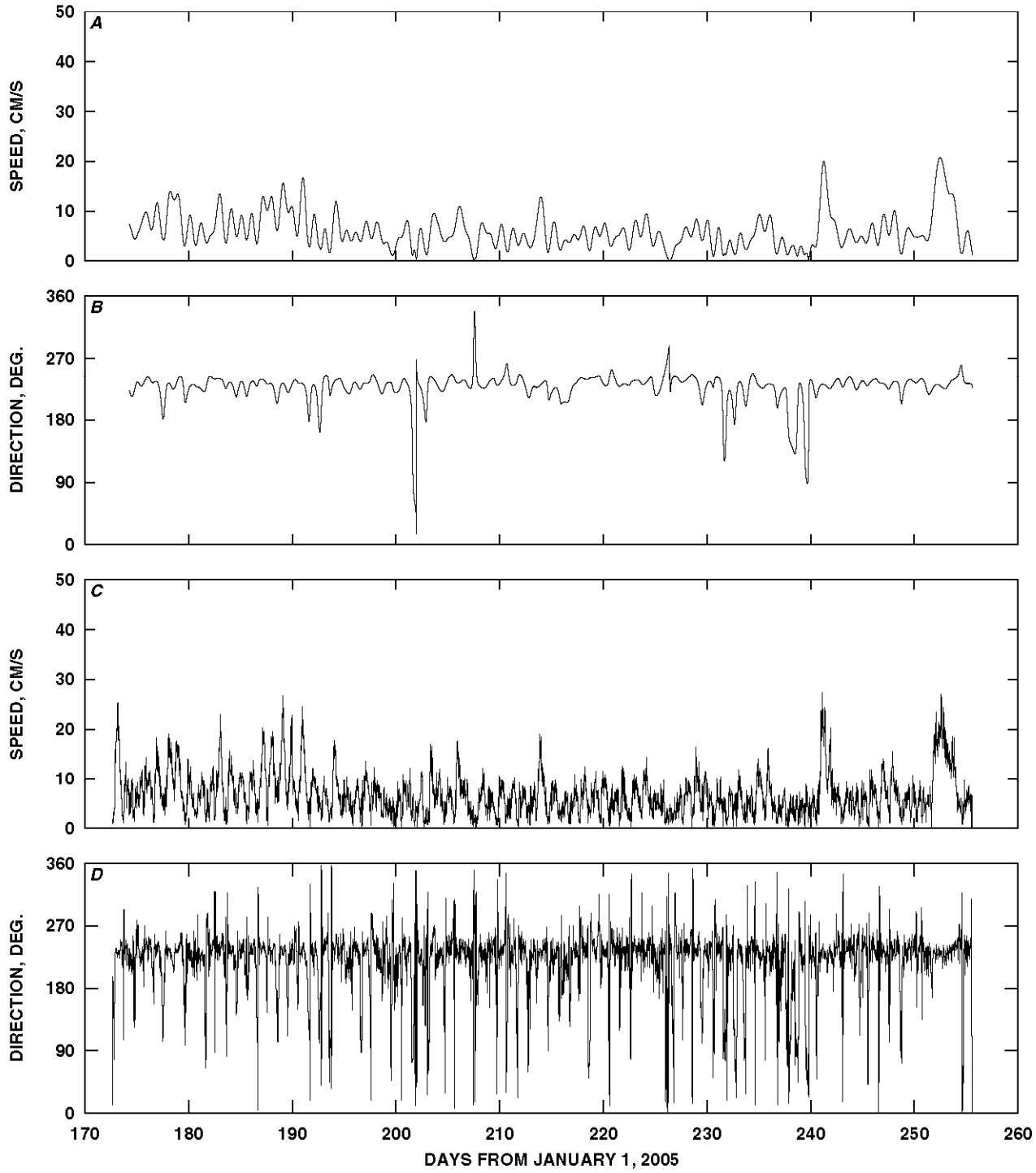

Figure A32. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 5 during the deployment (2005) in Upper Klamath Lake at shallow station (ADCP5A).

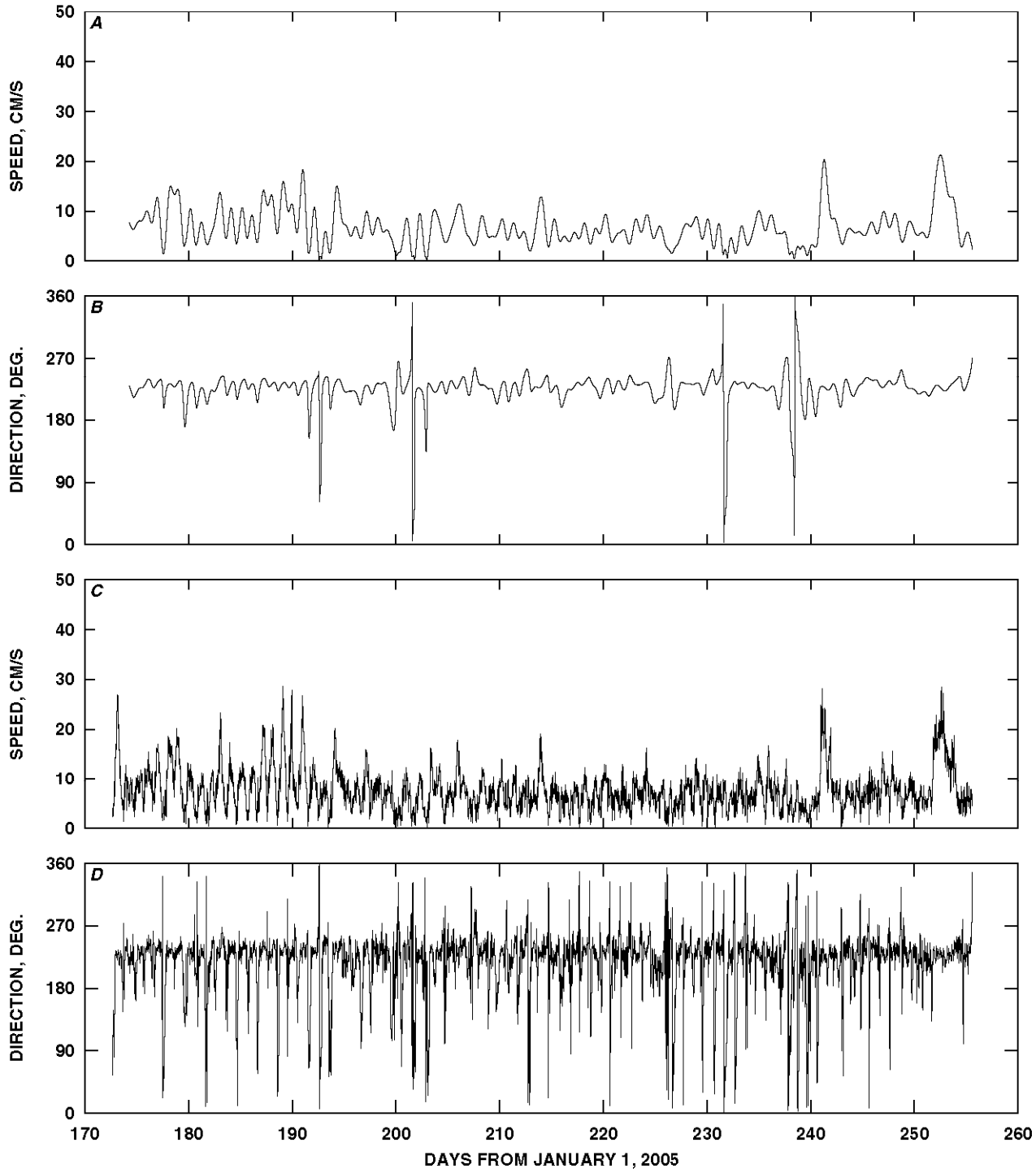

Figure A33. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 11 during the deployment (2005) in Upper Klamath Lake at shallow station (ADCP5A).

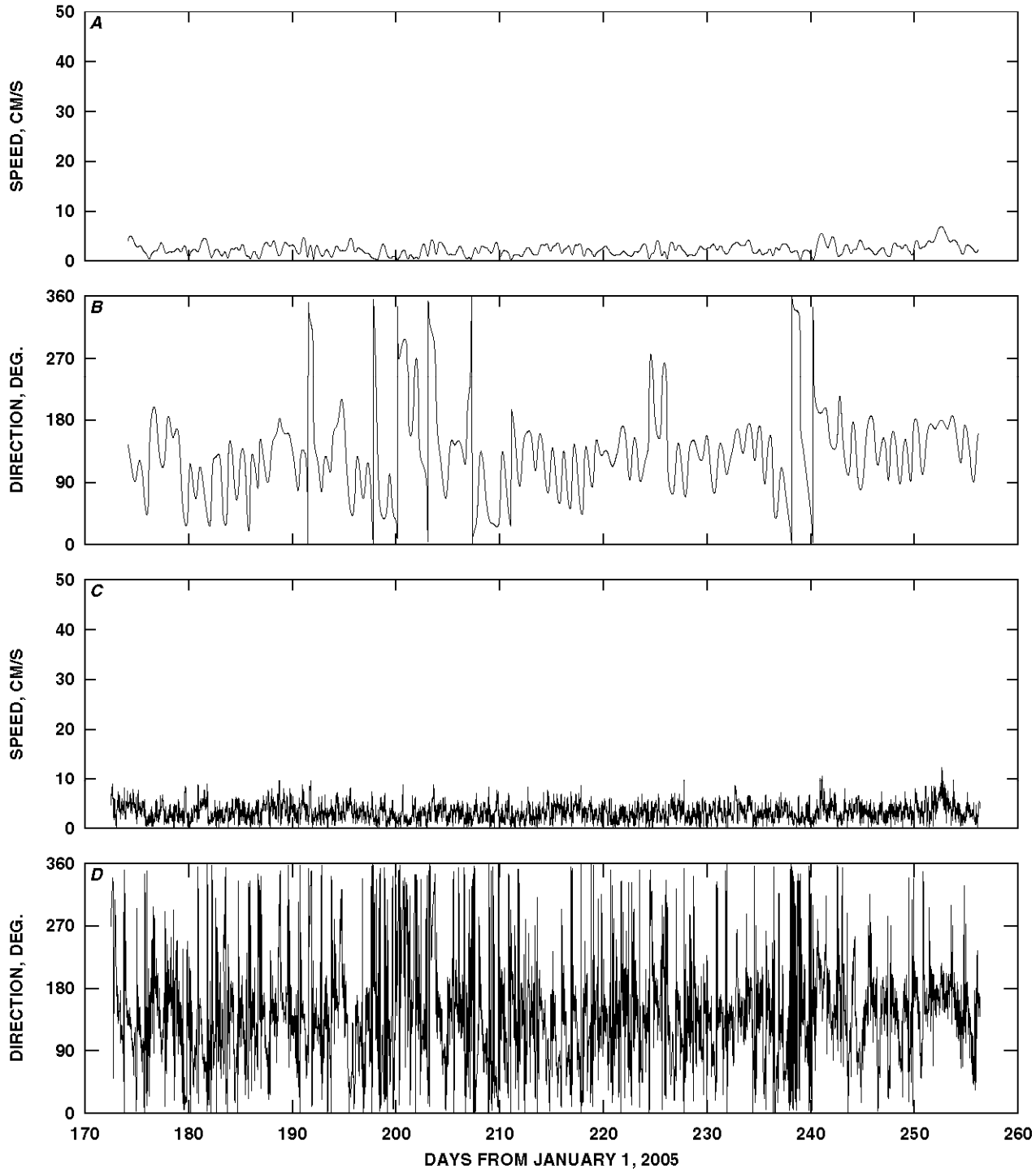

Figure A34. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the deployment (2005) in Upper Klamath Lake at shallow station (ADCP6A).

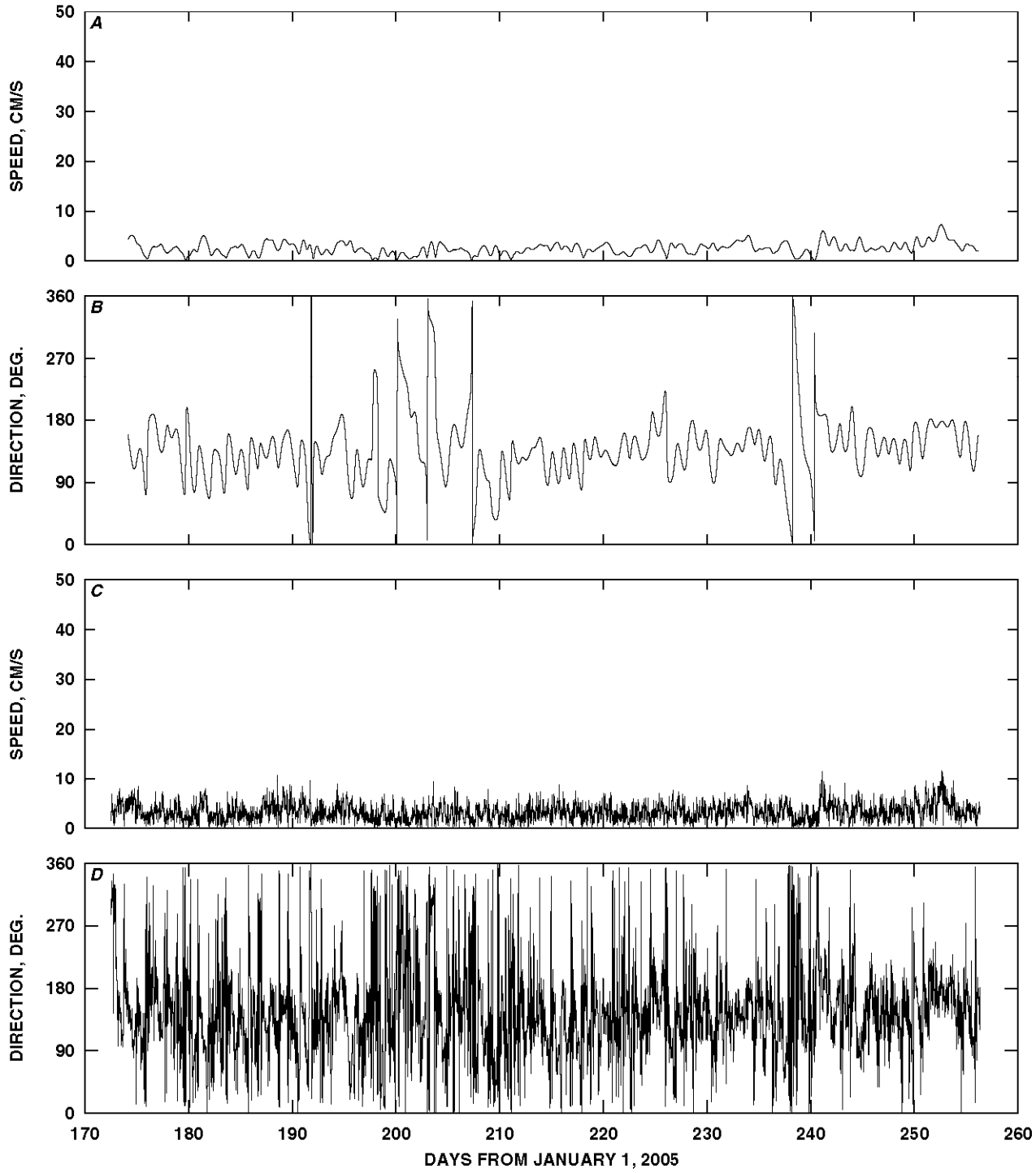

Figure A35. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 4 during the deployment (2005) in Upper Klamath Lake at shallow station (ADCP6A).

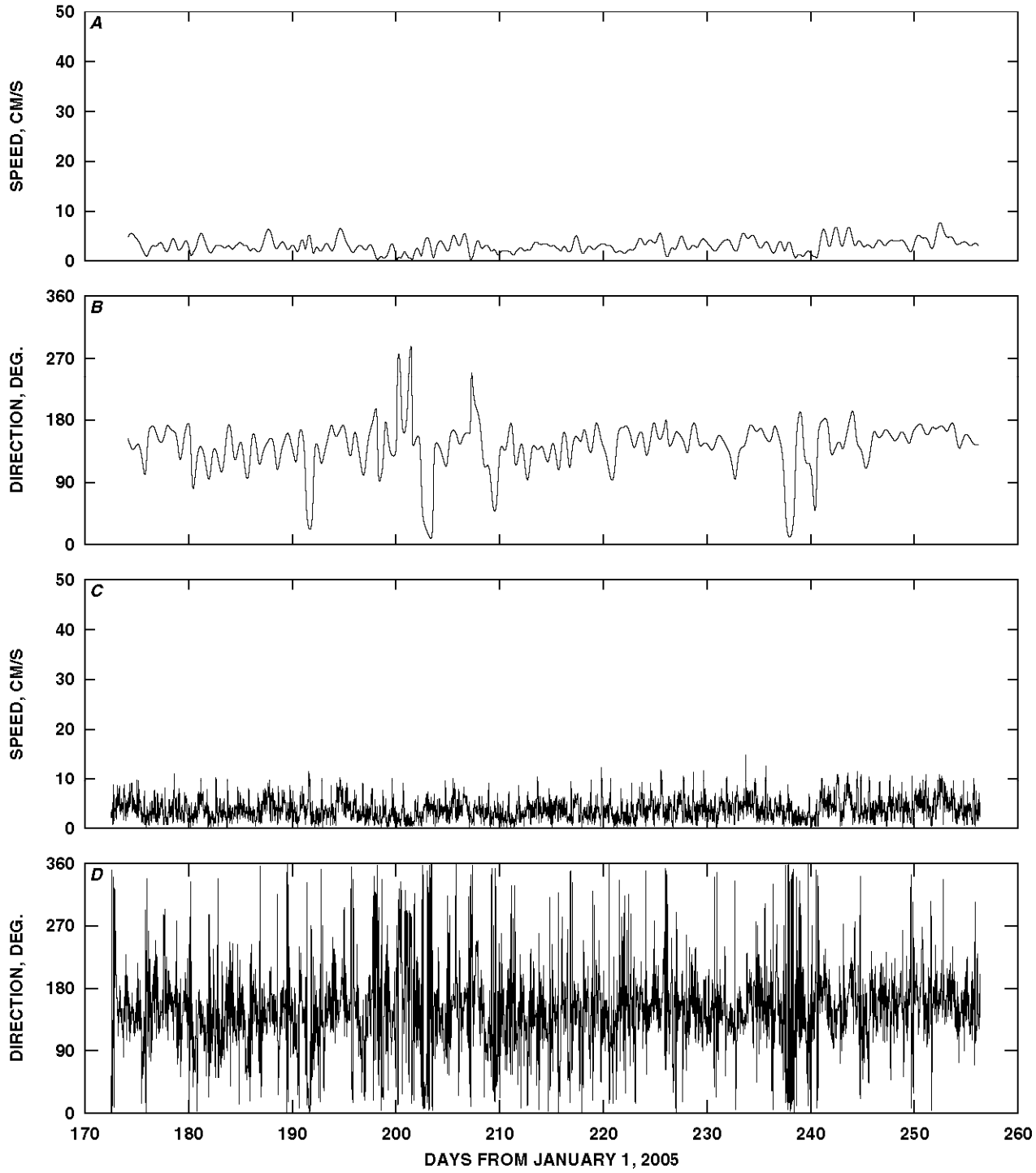

Figure A36. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 8 during the deployment (2005) in Upper Klamath Lake at shallow station (ADCP6A).

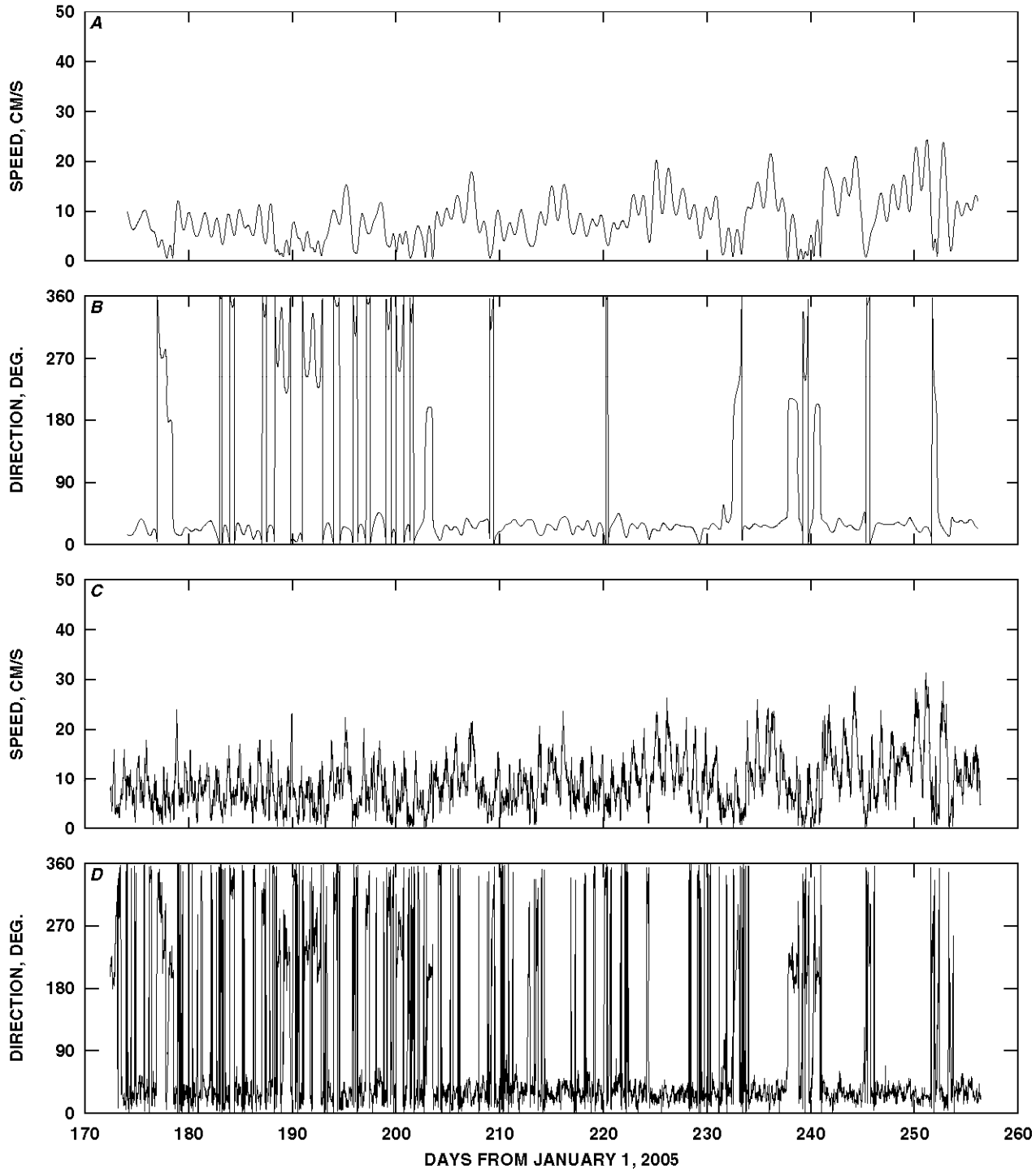

Figure A37. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the deployment (2005) in Upper Klamath Lake at shallow station (ADCP7A).

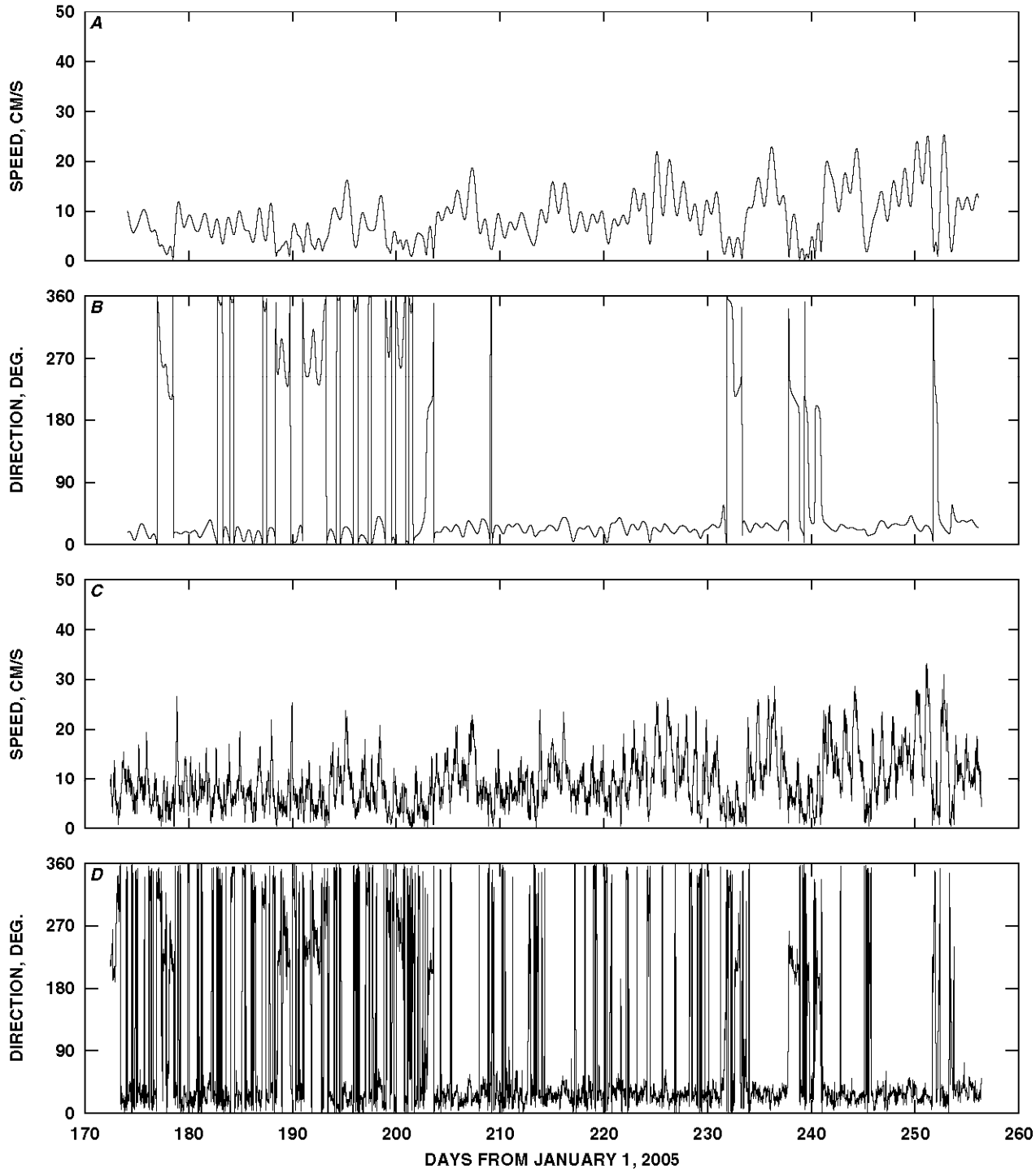

Figure A38. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 4 during the deployment (2005) in Upper Klamath Lake at shallow station (ADCP7A).

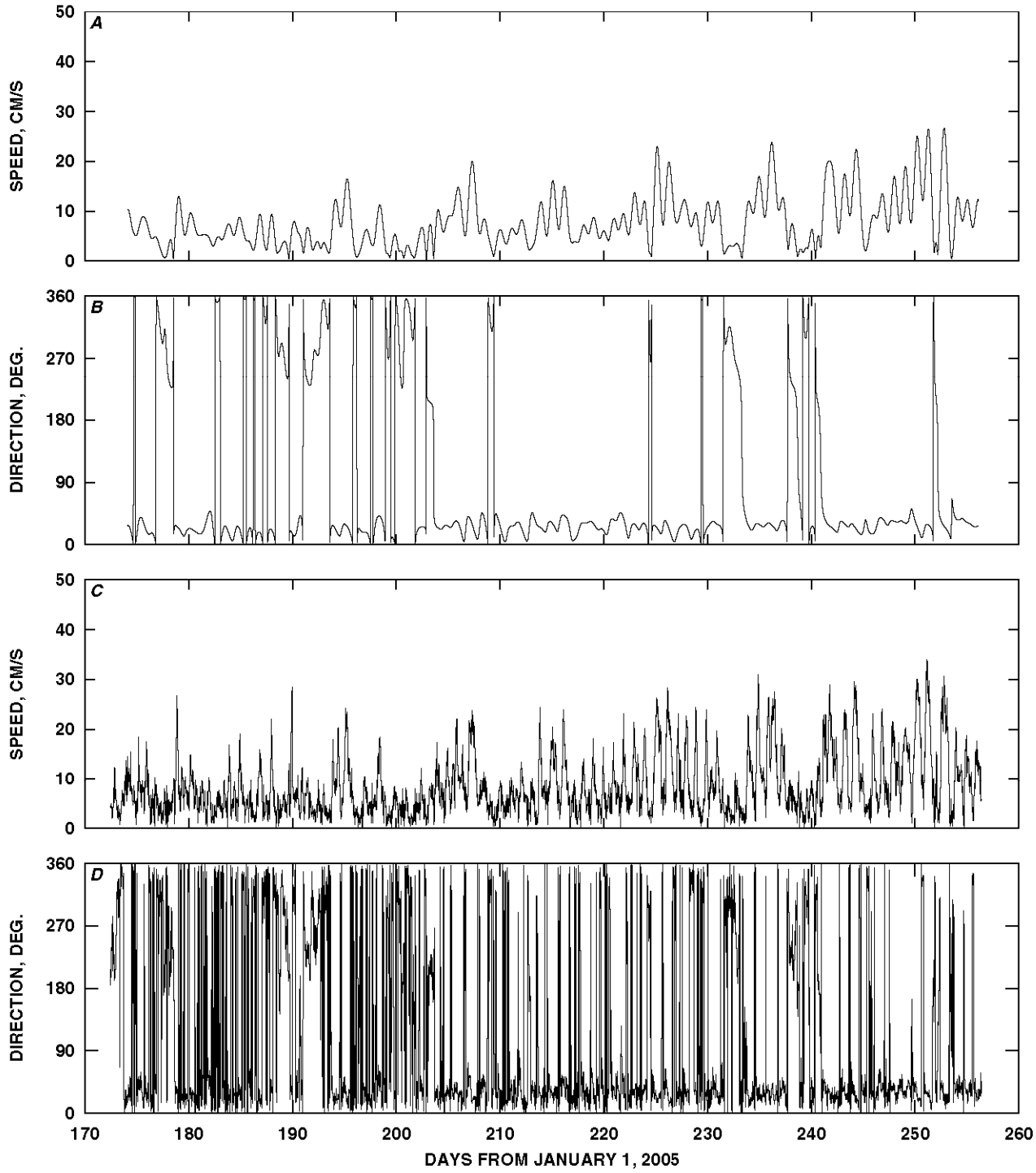

Figure A39. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 9 during the deployment (2005) in Upper Klamath Lake at shallow station (ADCP7A).

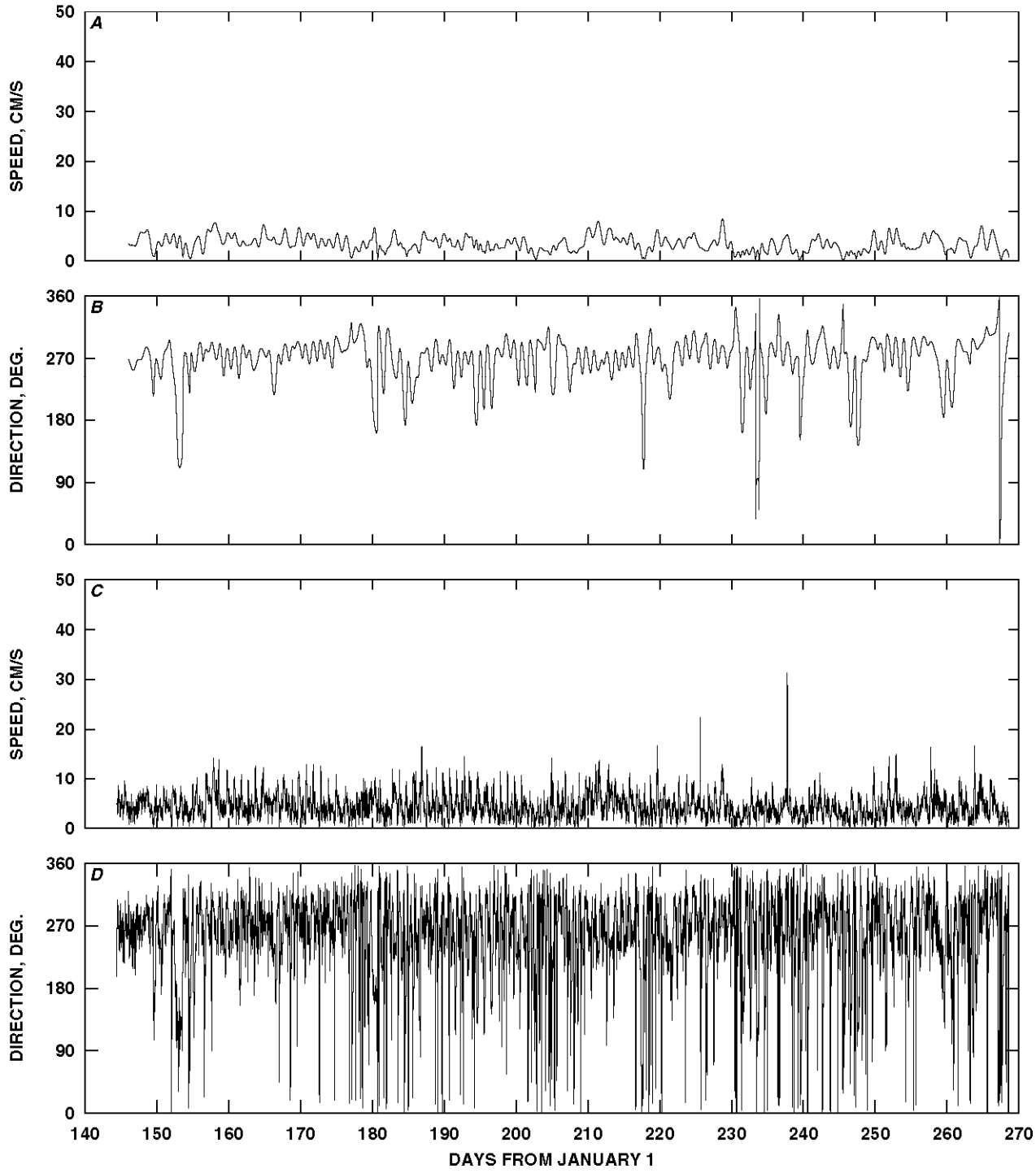

Figure A40. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the deployment (2006) in Upper Klamath Lake at shallow station (ADCP9A).

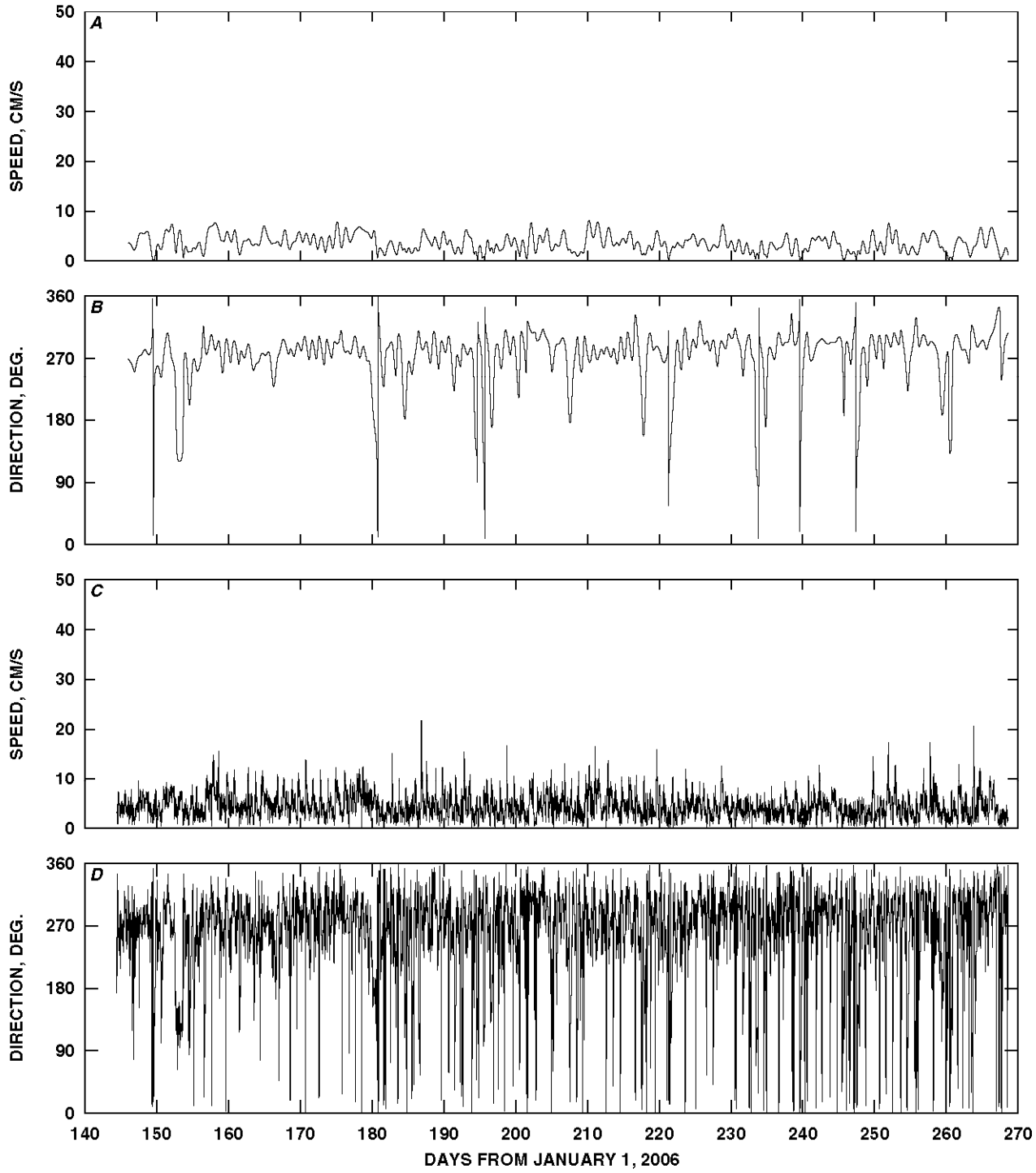

Figure A41. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 5 during the deployment (2006) in Upper Klamath Lake at shallow station (ADCP9A).

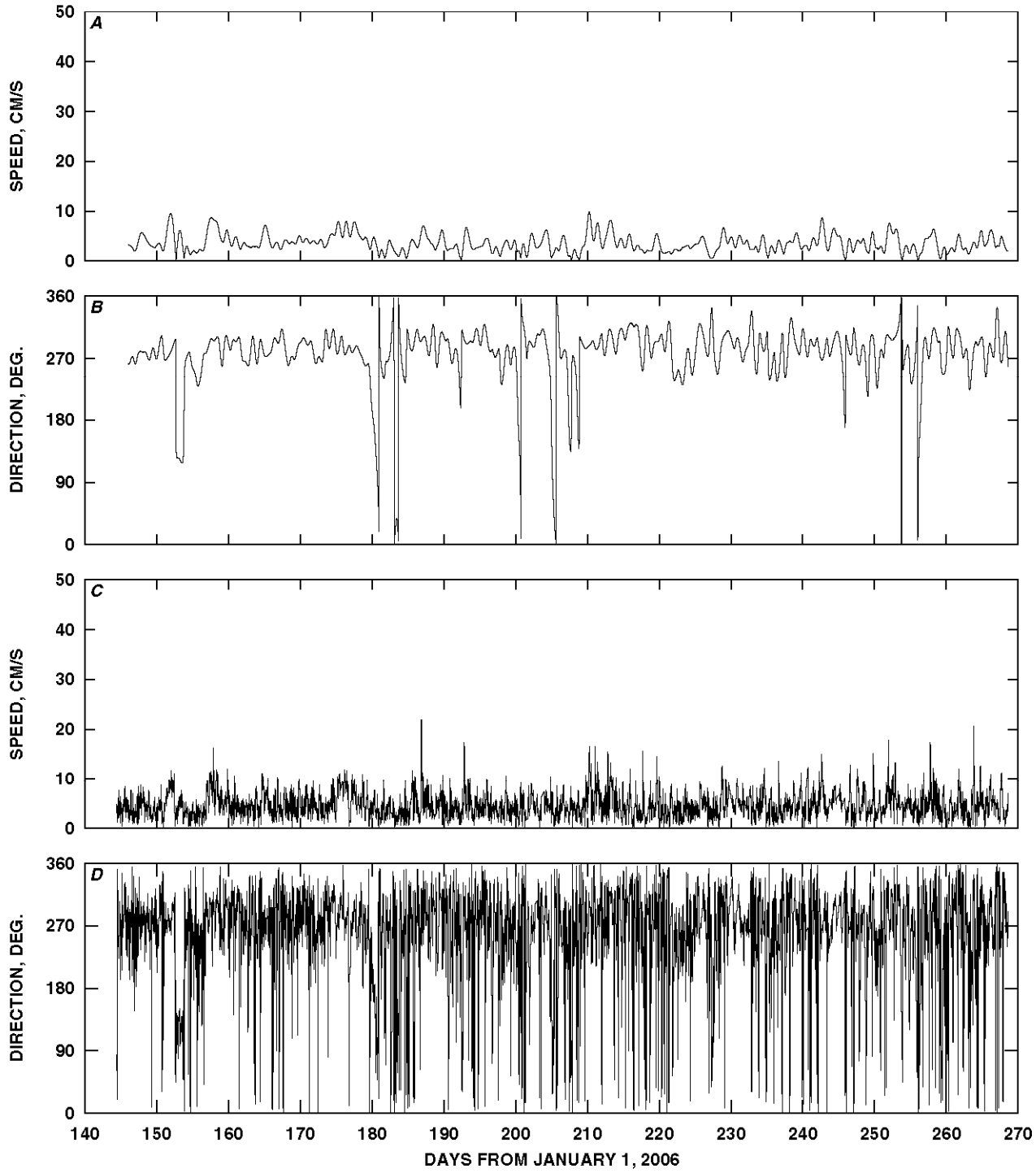

Figure A42. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 11 during the deployment (2006) in Upper Klamath Lake at shallow station (ADCP9A).

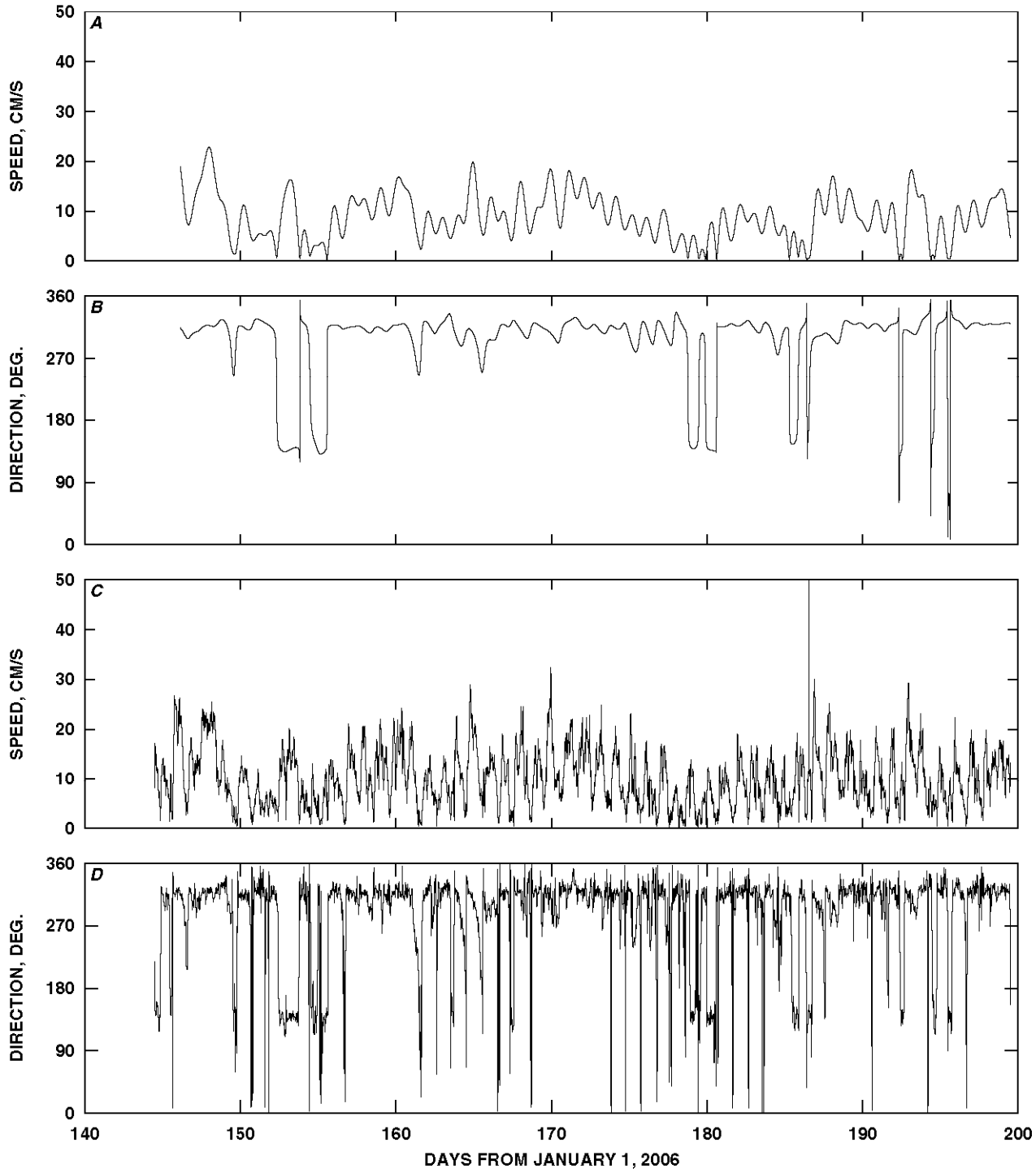

Figure A43. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the deployment (2006) in Upper Klamath Lake at deep station (ADCP1C).

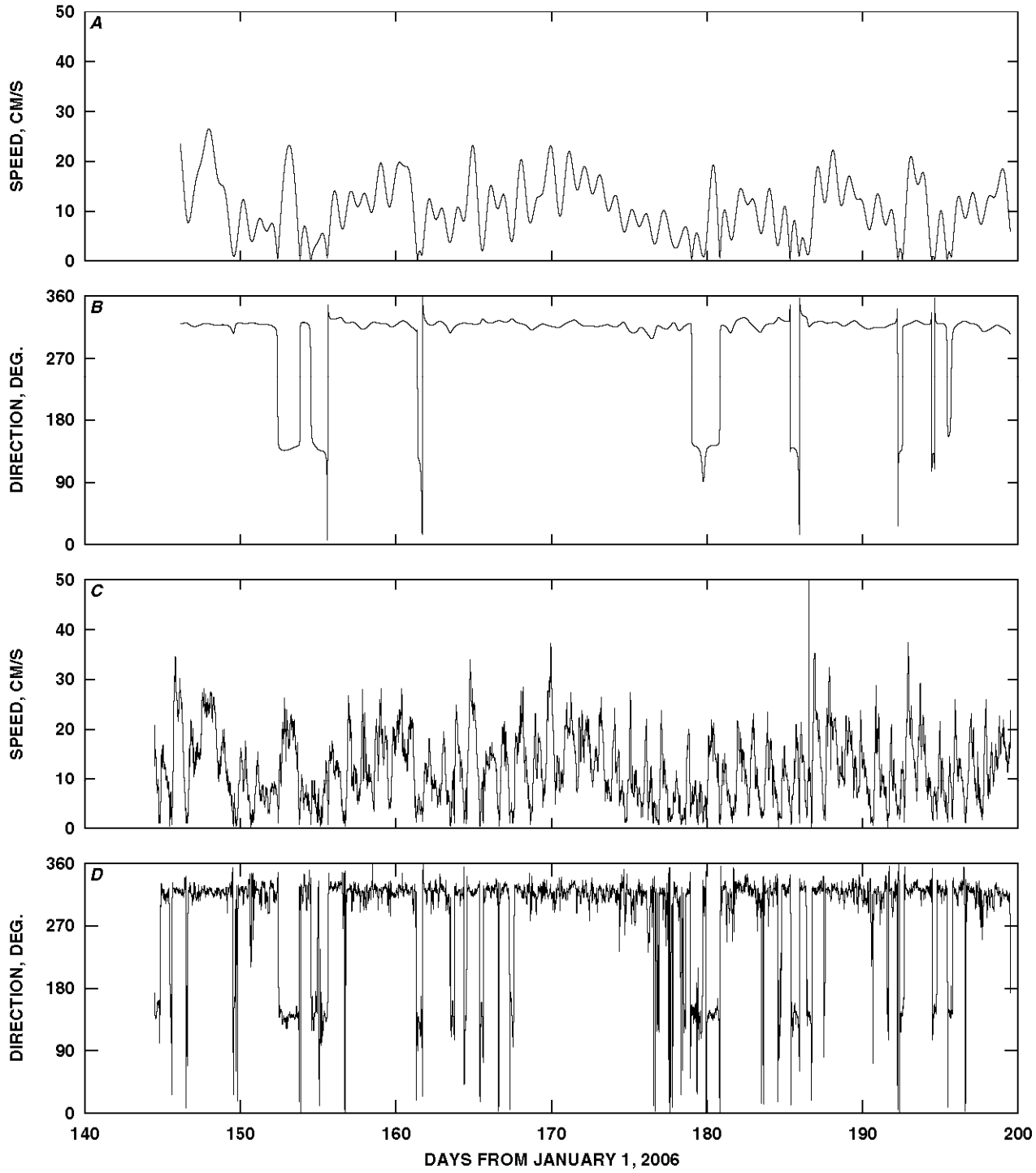

Figure A44. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 9 during the deployment (2006) in Upper Klamath Lake at deep station (ADCP1C).

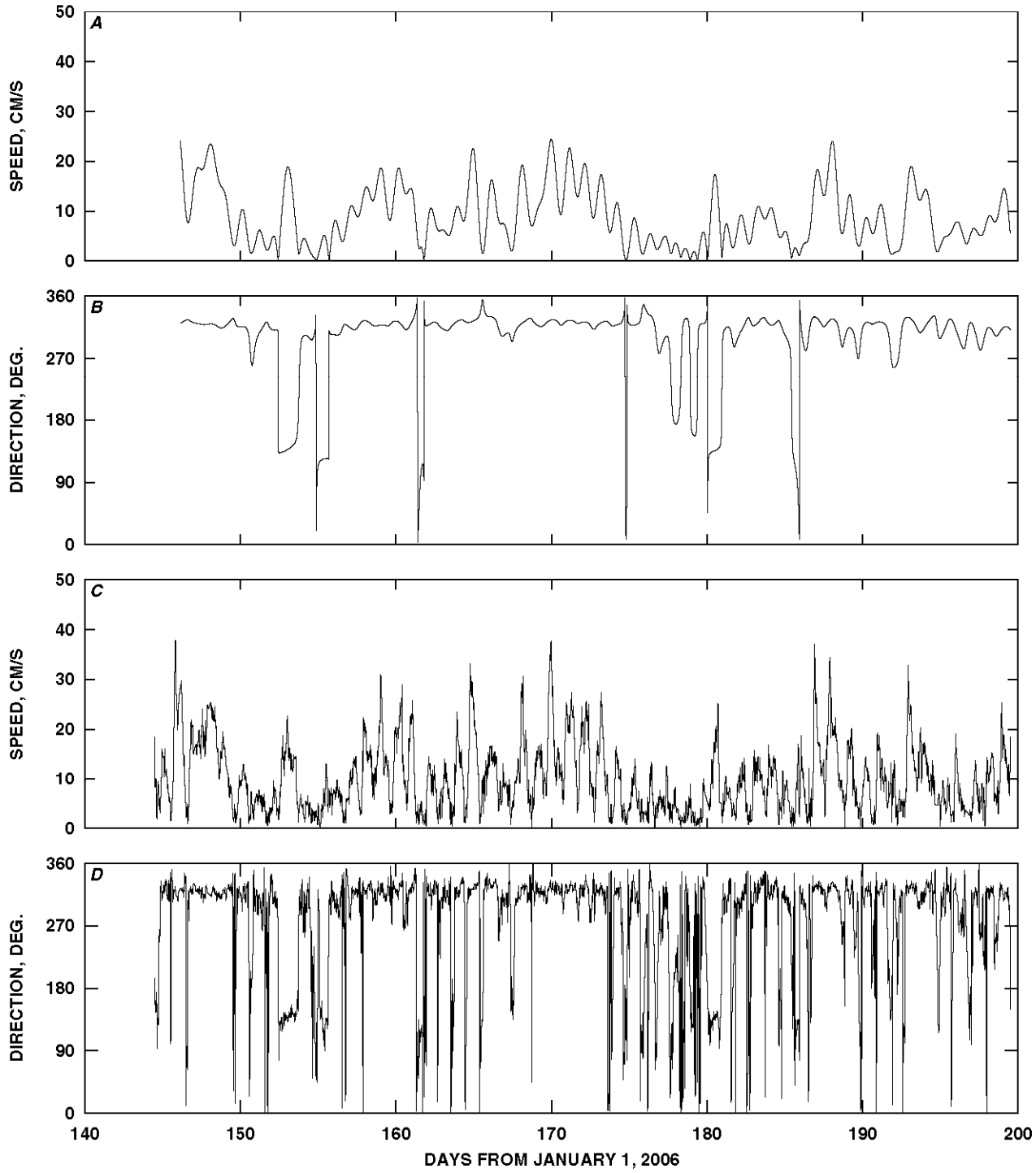

Figure A45. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 18 during the deployment (2006) in Upper Klamath Lake at deep station (ADCP1C).

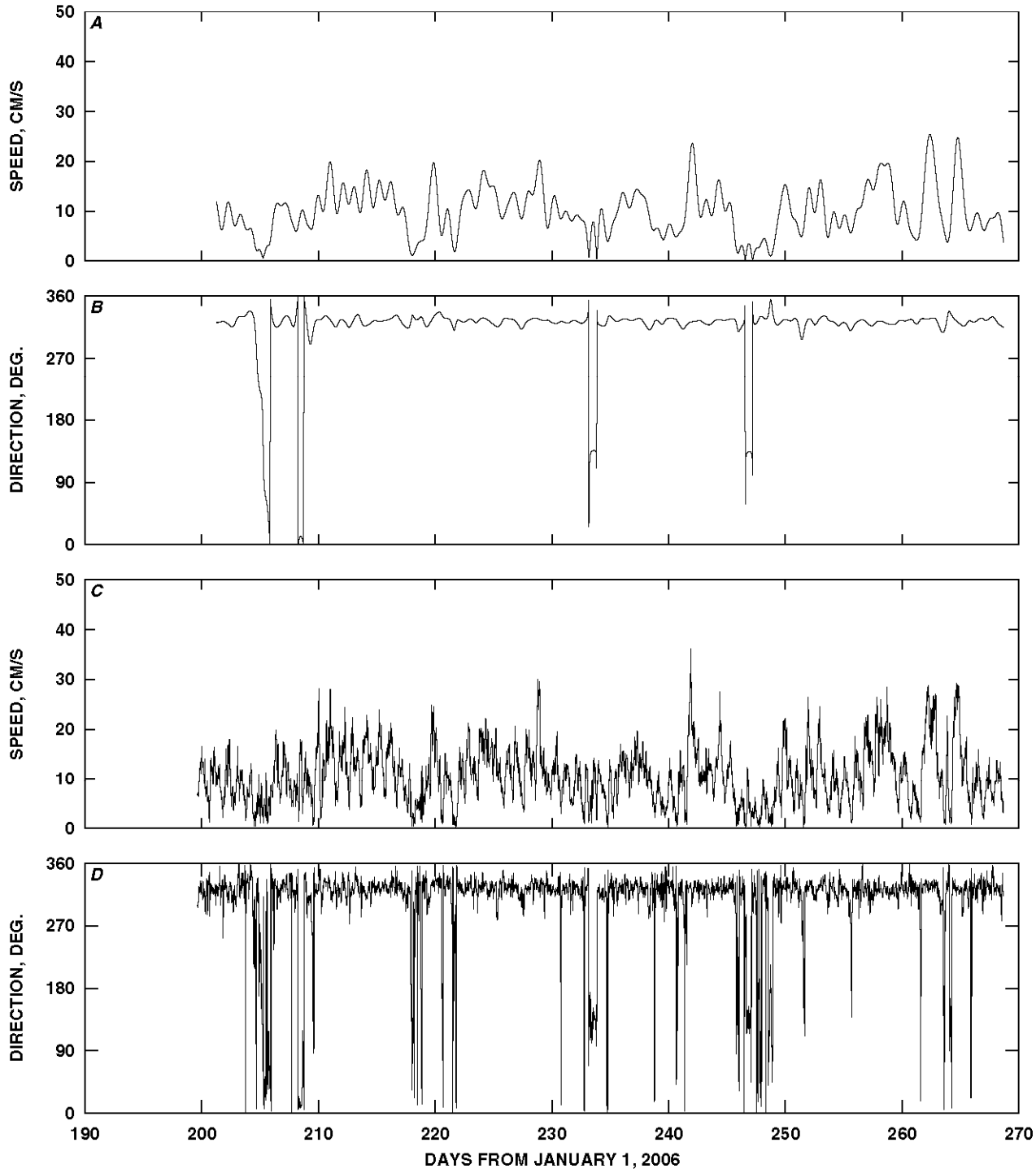

Figure A46. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 1 during the deployment (2006) in Upper Klamath Lake at deep station (ADCP1D).

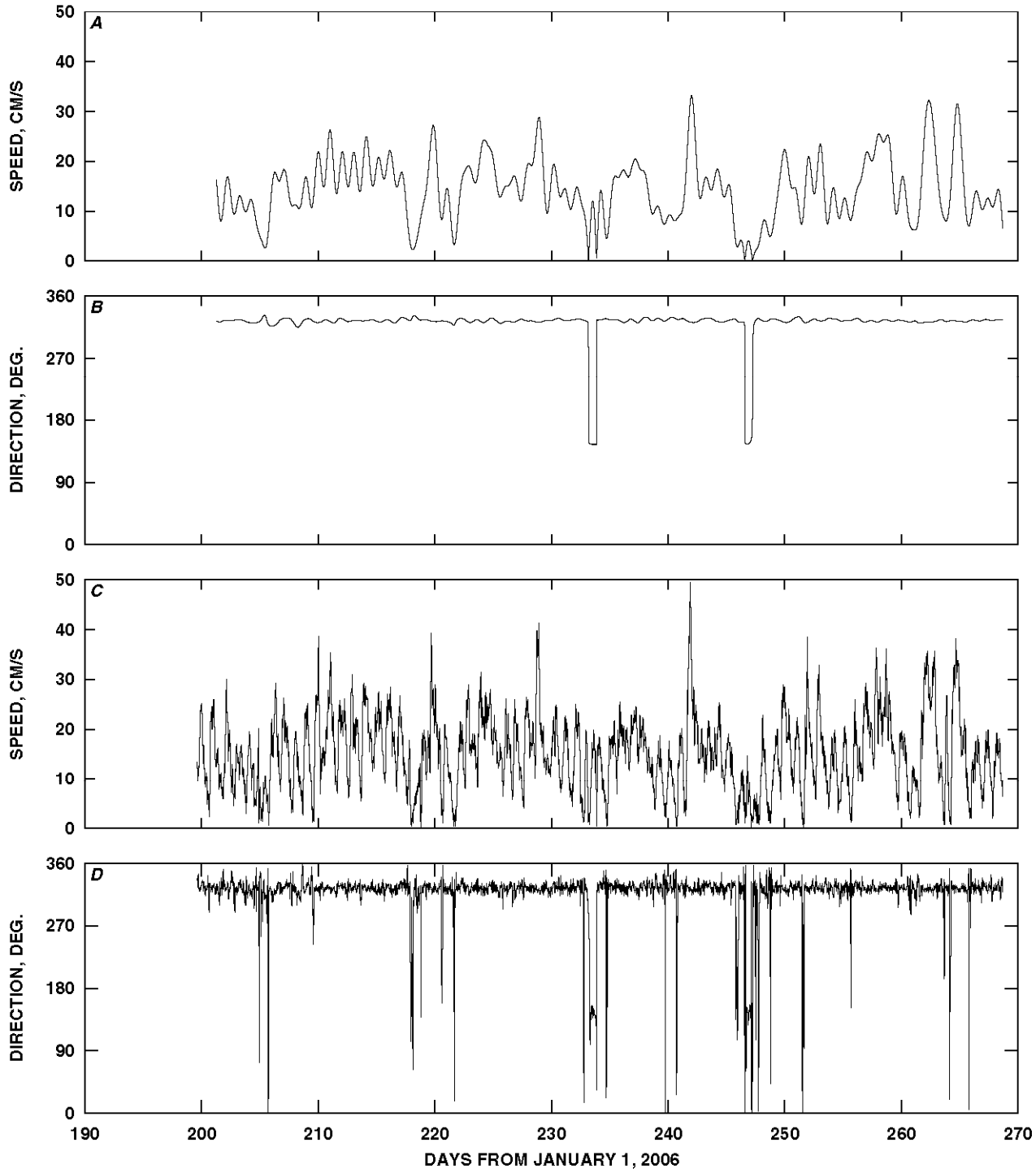

Figure A47. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 11 during the deployment (2006) in Upper Klamath Lake at deep station (ADCP1C).

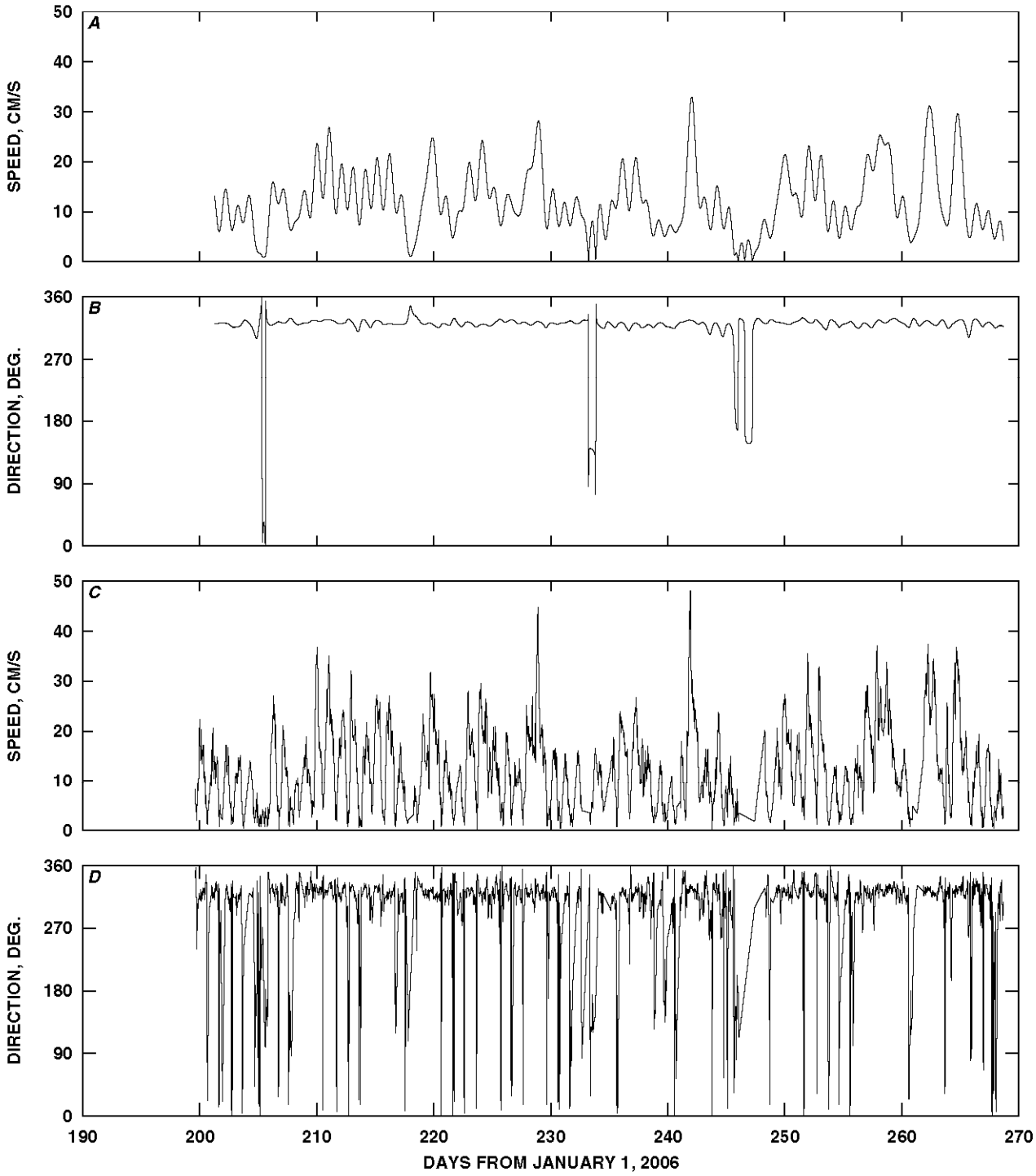

Figure A48. Filtered water current speed (A) and direction (B), and unfiltered water current speed (C) and direction (D) measured at ADCP bin 22 during the deployment (2006) in Upper Klamath Lake at deep station (ADCP1C).

Appendix B – Bar Graphs of ADCP Water Speed (2005)

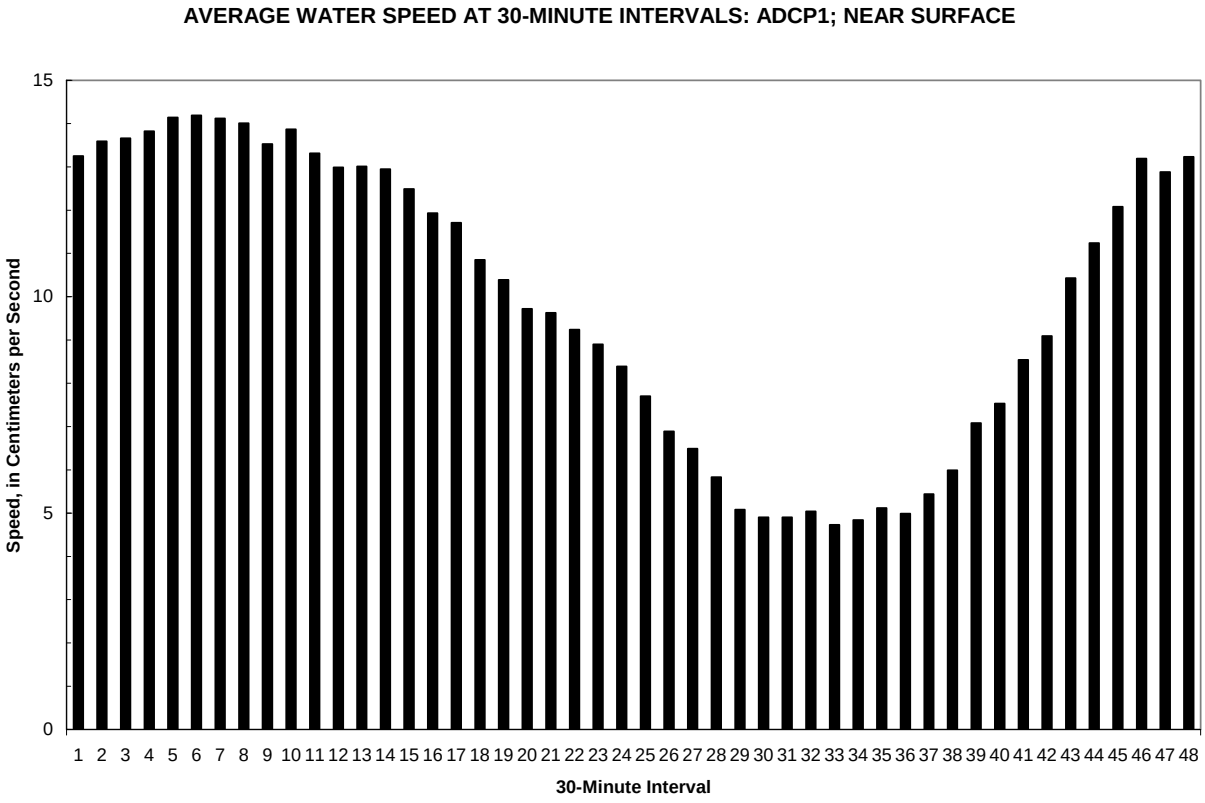

Figure B1. Bar graph of 30-minute interval near-surface water speed (6/21/05 – 9/12/05) at station ADCP1.

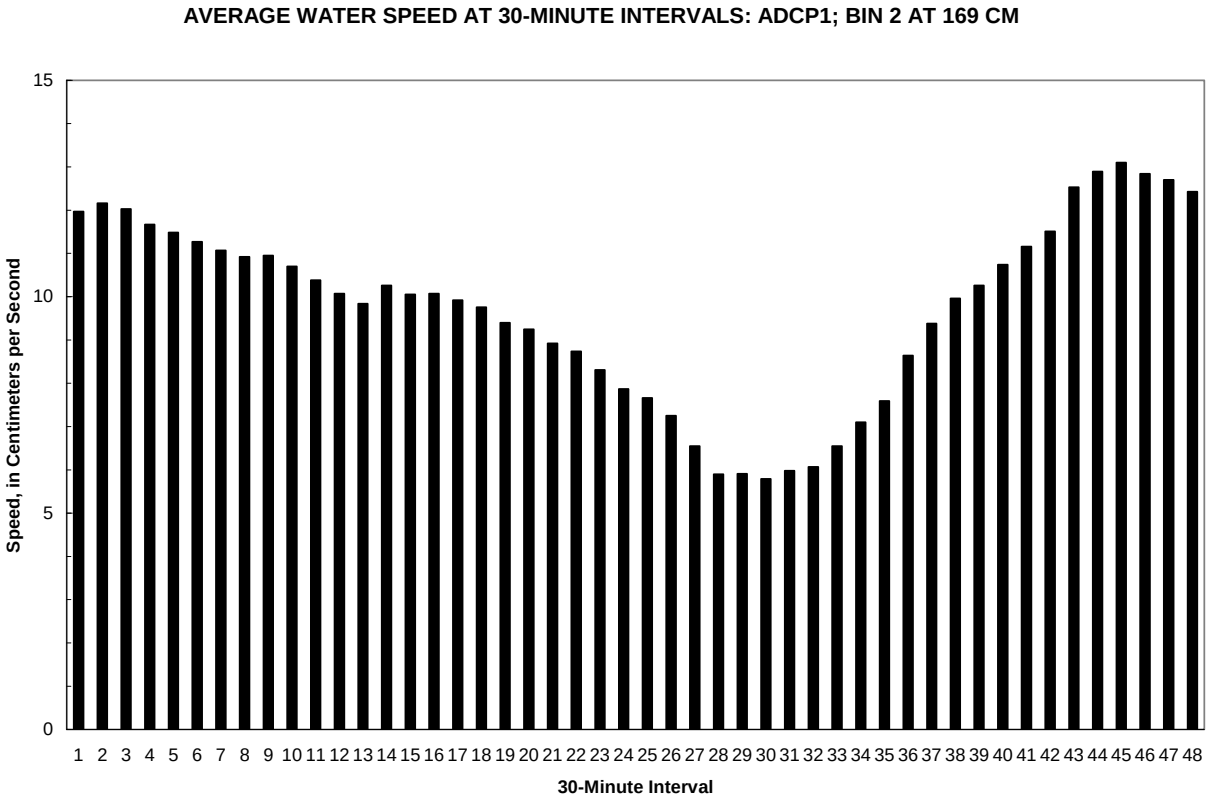

Figure B2. Bar graph of 30-minute interval near-bottom water speed (6/21/05 – 9/12/05) at station ADCP1.

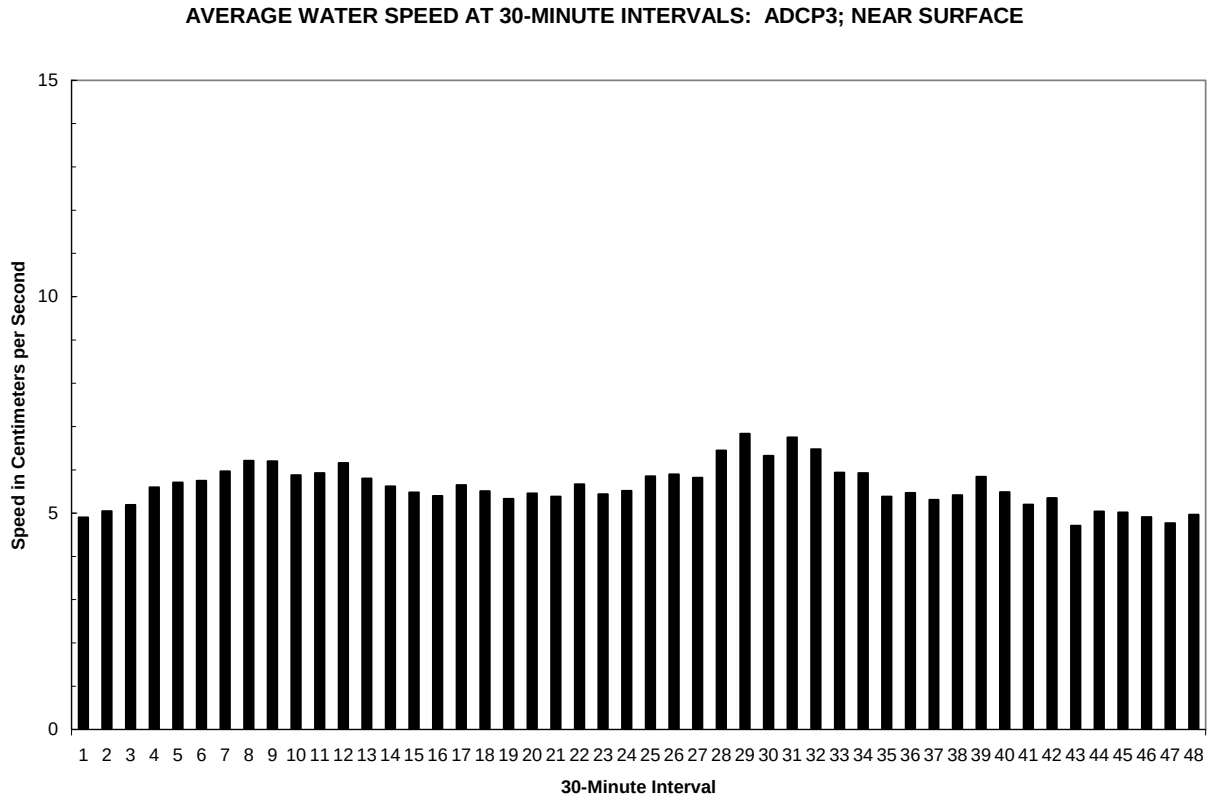

Figure B3. Bar graph of 30-minute interval near-surface water speed (6/21/05 – 9/12/05) at station ADCP3.

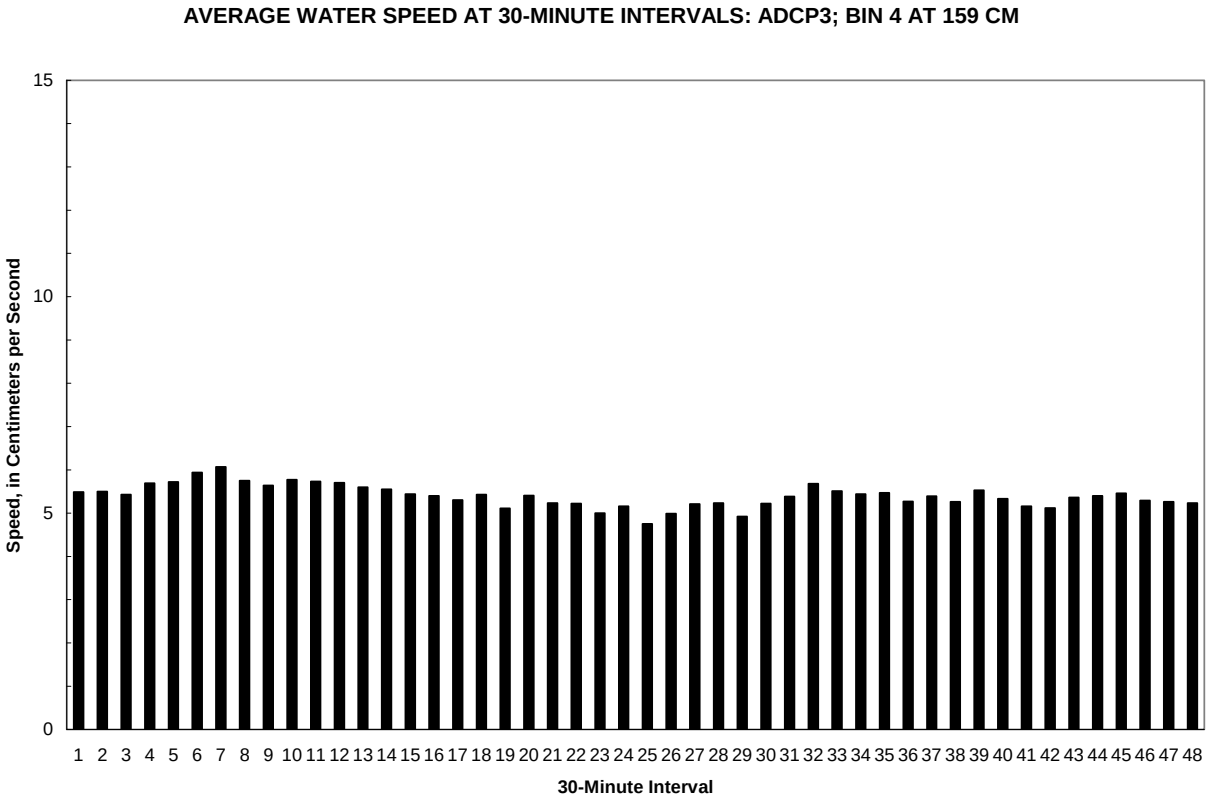

Figure B4. Bar graph of 30-minute interval near-bottom water speed (6/21/05 – 9/12/05) at station ADCP3.

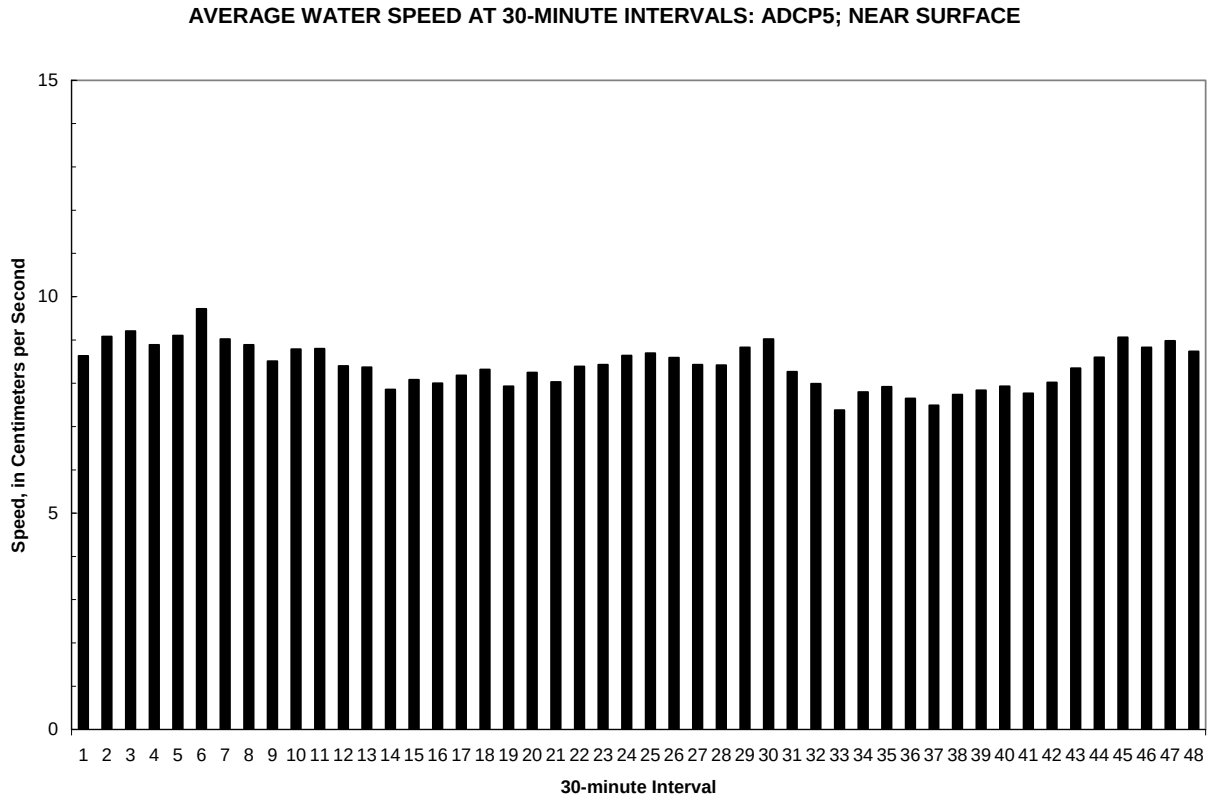

Figure B5. Bar graph of 30-minute interval near-surface water speed (6/21/05 – 9/12/05) at station ADCP5.

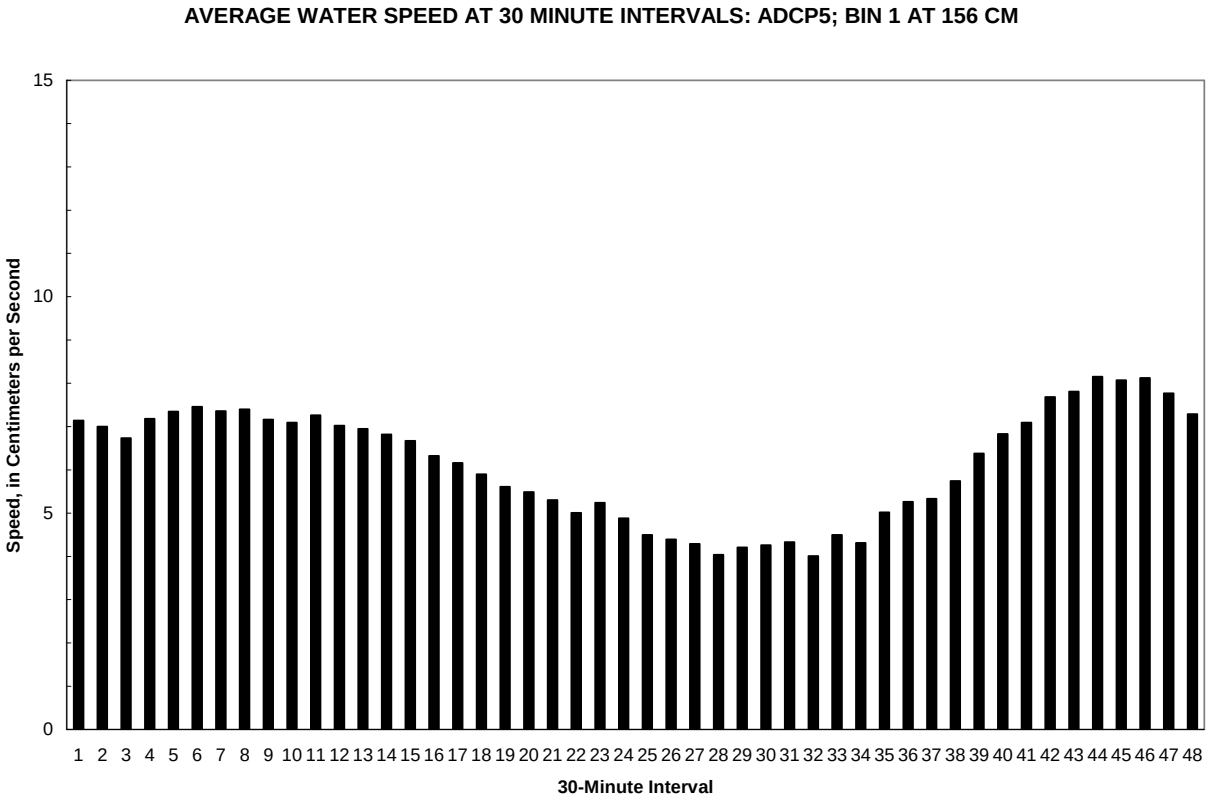

Figure B6. Bar graph of 30-minute interval near-bottom water speed (6/21/05 – 9/12/05) at station ADCP5.

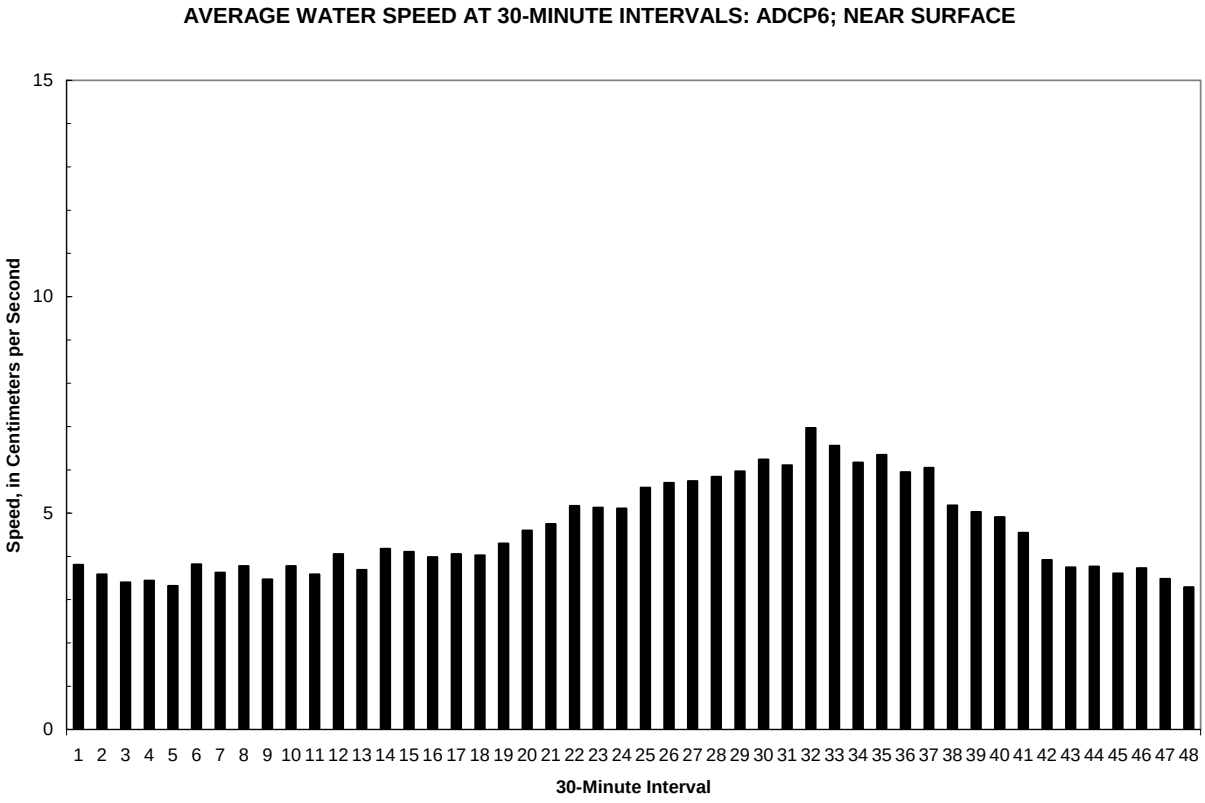

Figure B7. Bar graph of 30-minute interval near-surface water speed (6/21/05 – 9/12/05) at station ADCP6.

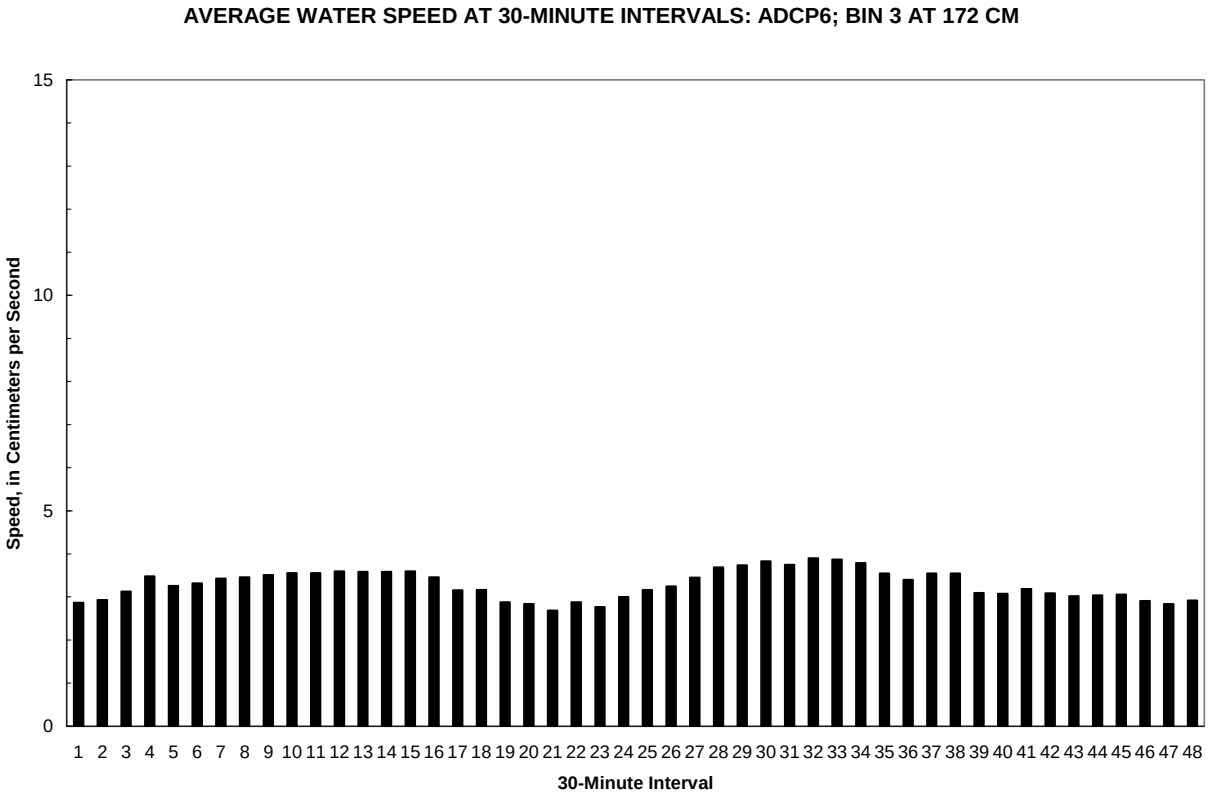

Figure B8. Bar graph of 30-minute interval near-bottom water speed (6/21/05 – 9/12/05) at station ADCP6.

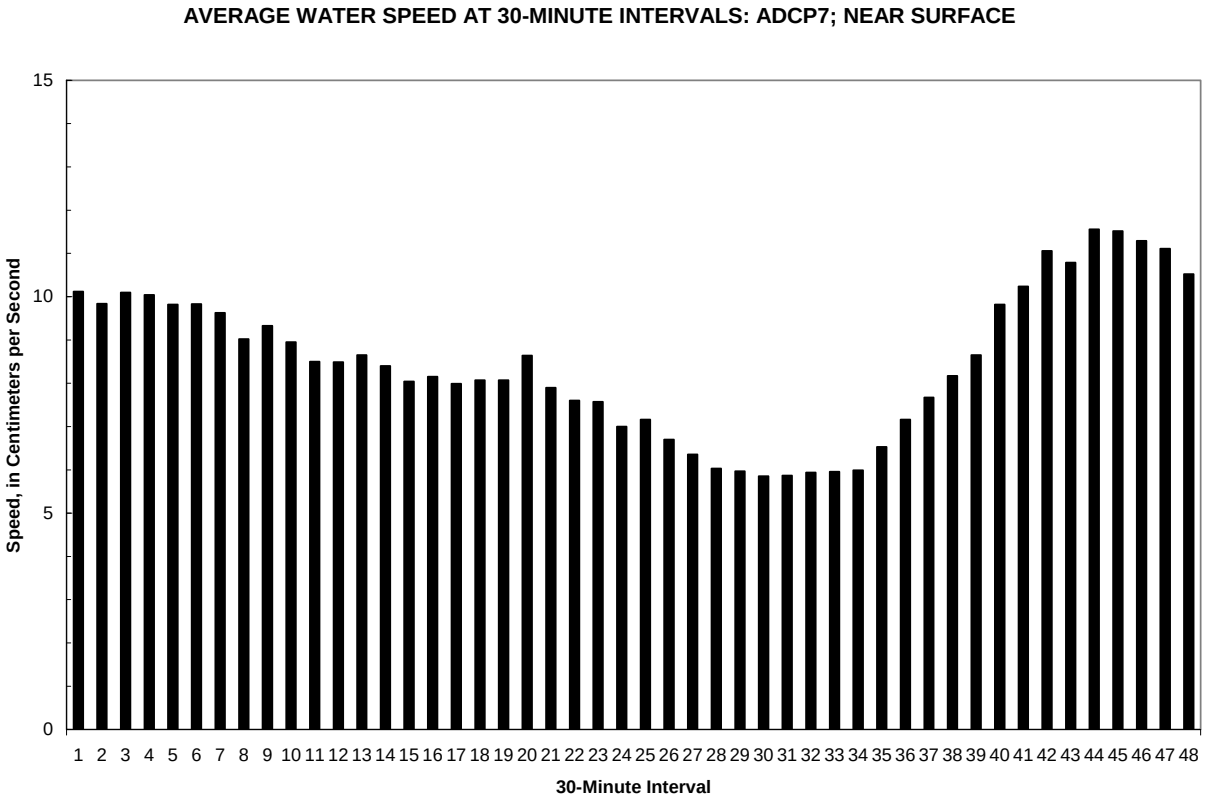

Figure B9. Bar graph of 30-minute interval near-surface water speed (6/21/05 – 9/12/05) at station ADCP7.

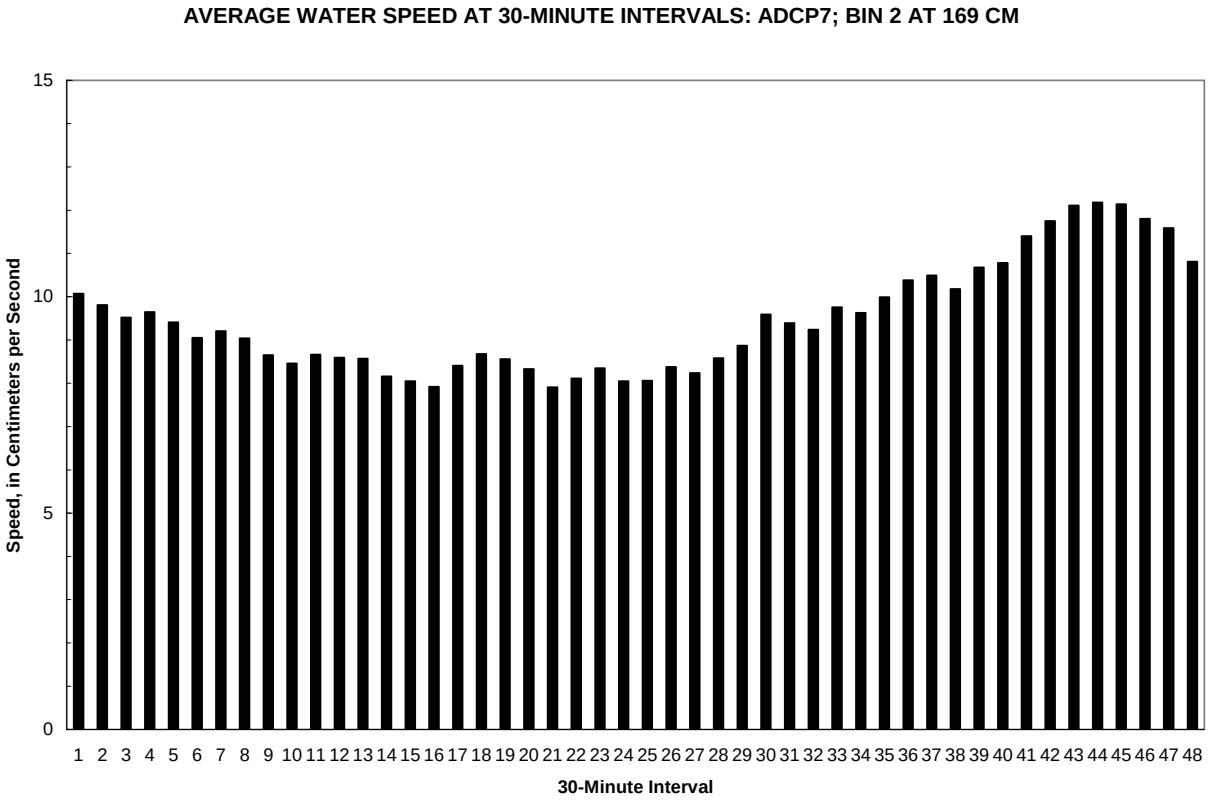

Figure B10. Bar graph of 30-minute interval near-bottom water speed (6/21/05 – 9/12/05) at station ADCP7.

Appendix C – Bar graphs of ADCP Vertical Velocities (2005)

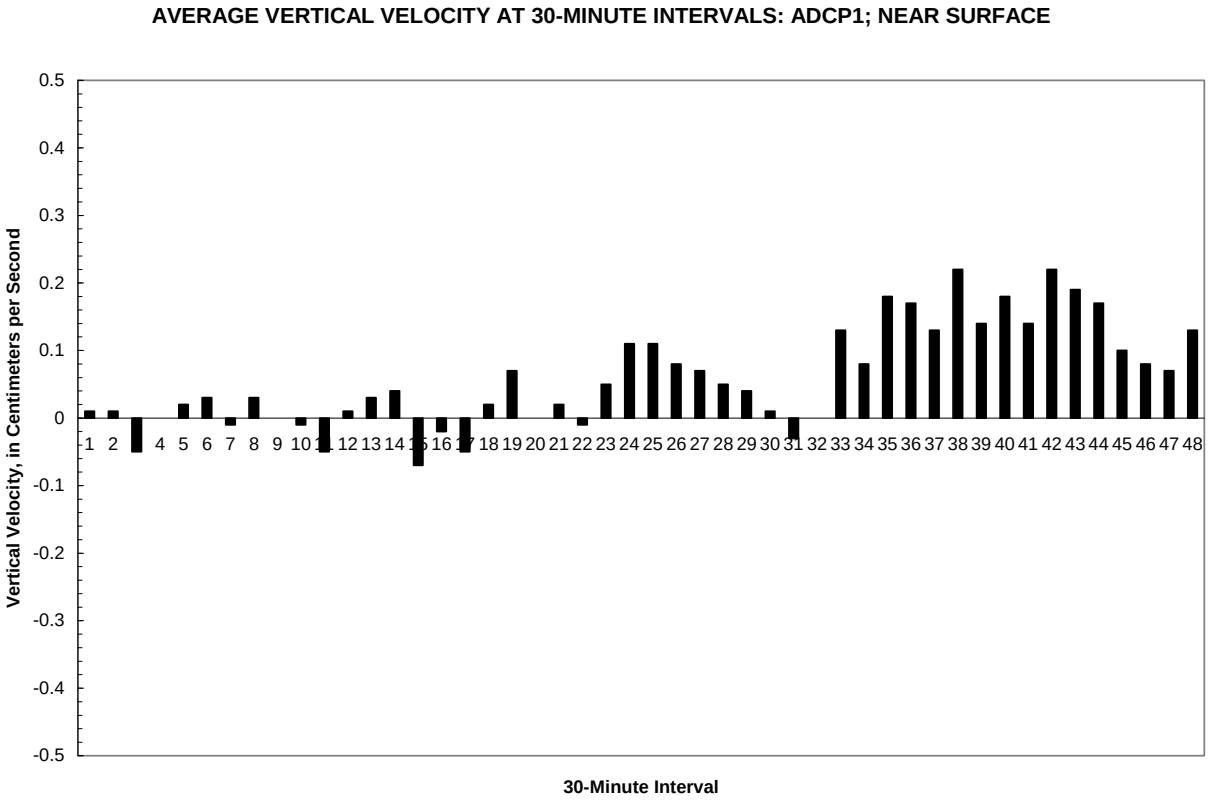

Figure C1. Bar graph of 30-minute interval near-surface vertical velocity (6/21/05 – 9/12/05) at station ADCP1.

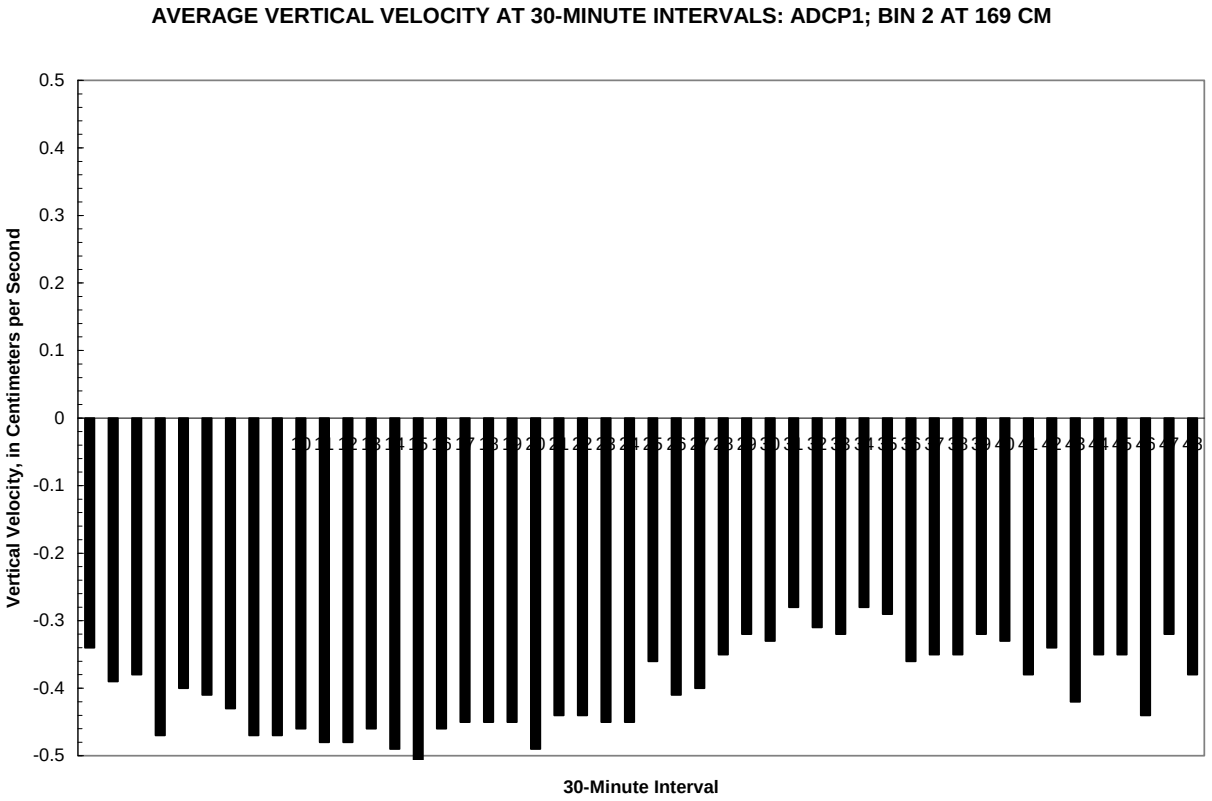

Figure C2. Bar graph of 30-minute interval near-bottom vertical velocity (6/21/05 – 9/12/05) at station ADCP1.

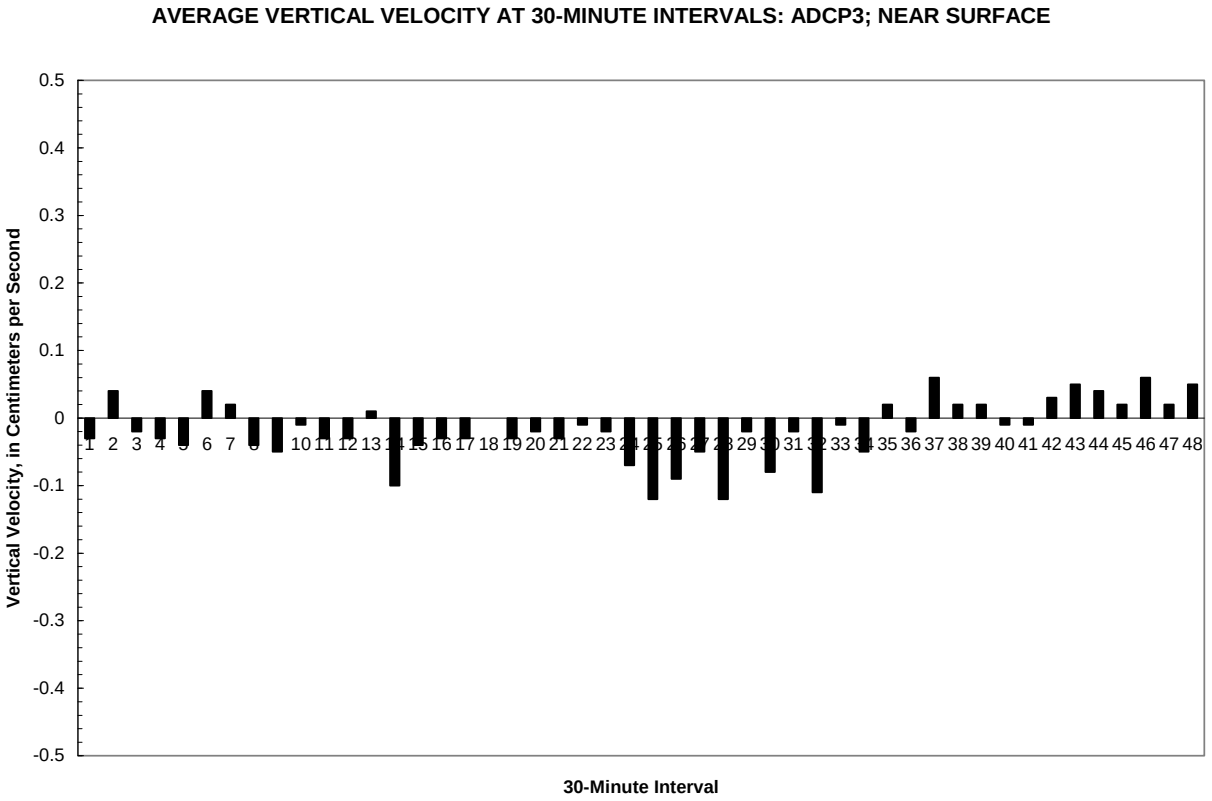

Figure C3. Bar graph of 30-minute interval near-surface vertical velocity (6/21/05 – 9/12/05) at station ADCP3.

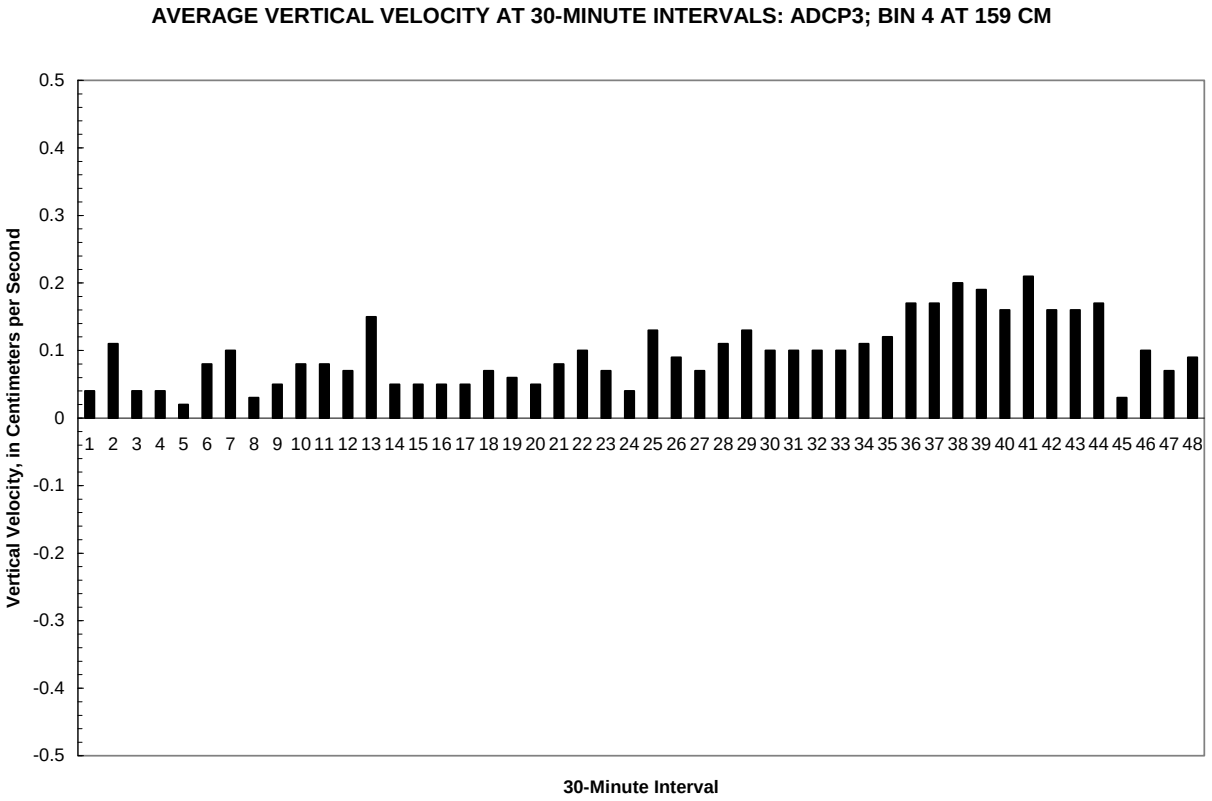

Figure C4. Bar graph of 30-minute interval near-bottom vertical velocity (6/21/05 – 9/12/05) at station ADCP3.

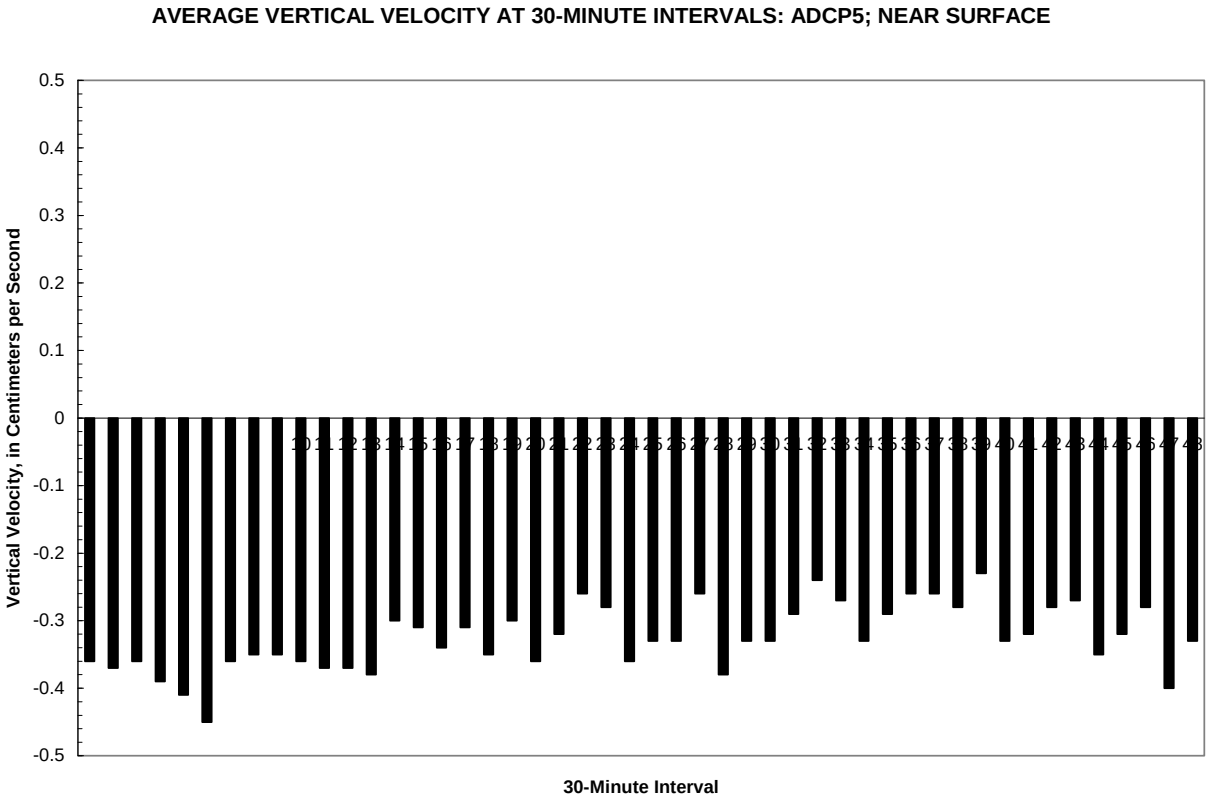

Figure C5. Bar graph of 30-minute interval near-surface vertical velocity (6/21/05 – 9/12/05) at station ADCP5.

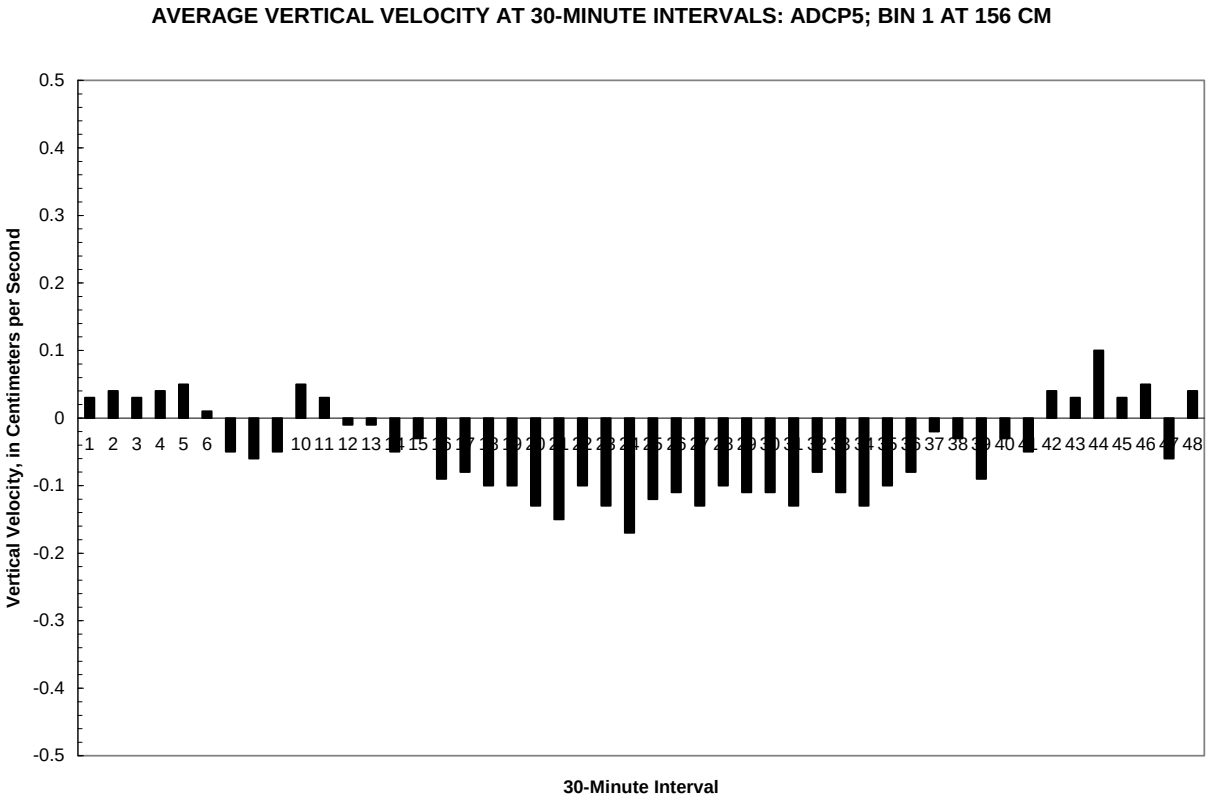

Figure C6. Bar graph of 30-minute interval near-bottom vertical velocity (6/21/05 – 9/12/05) at station ADCP5.

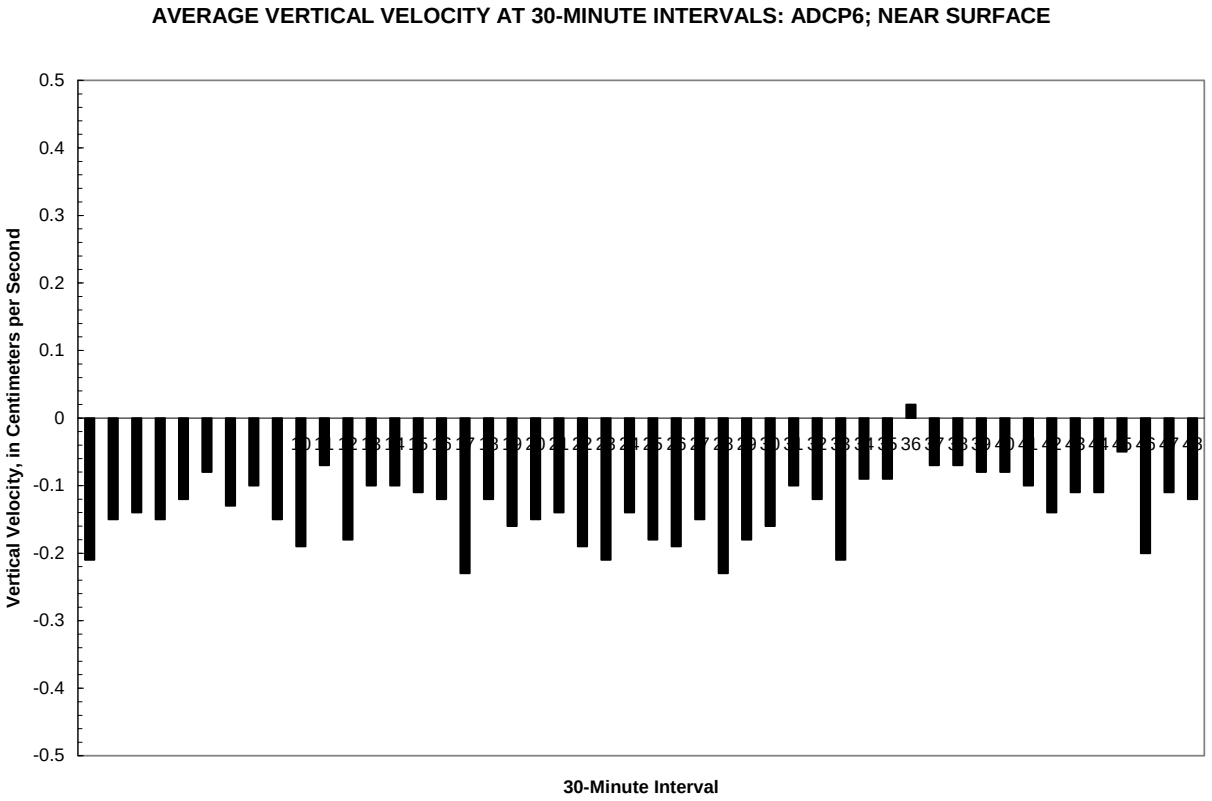

Figure C7. Bar graph of 30-minute interval near-surface vertical velocity (6/21/05 – 9/12/05) at station ADCP6.

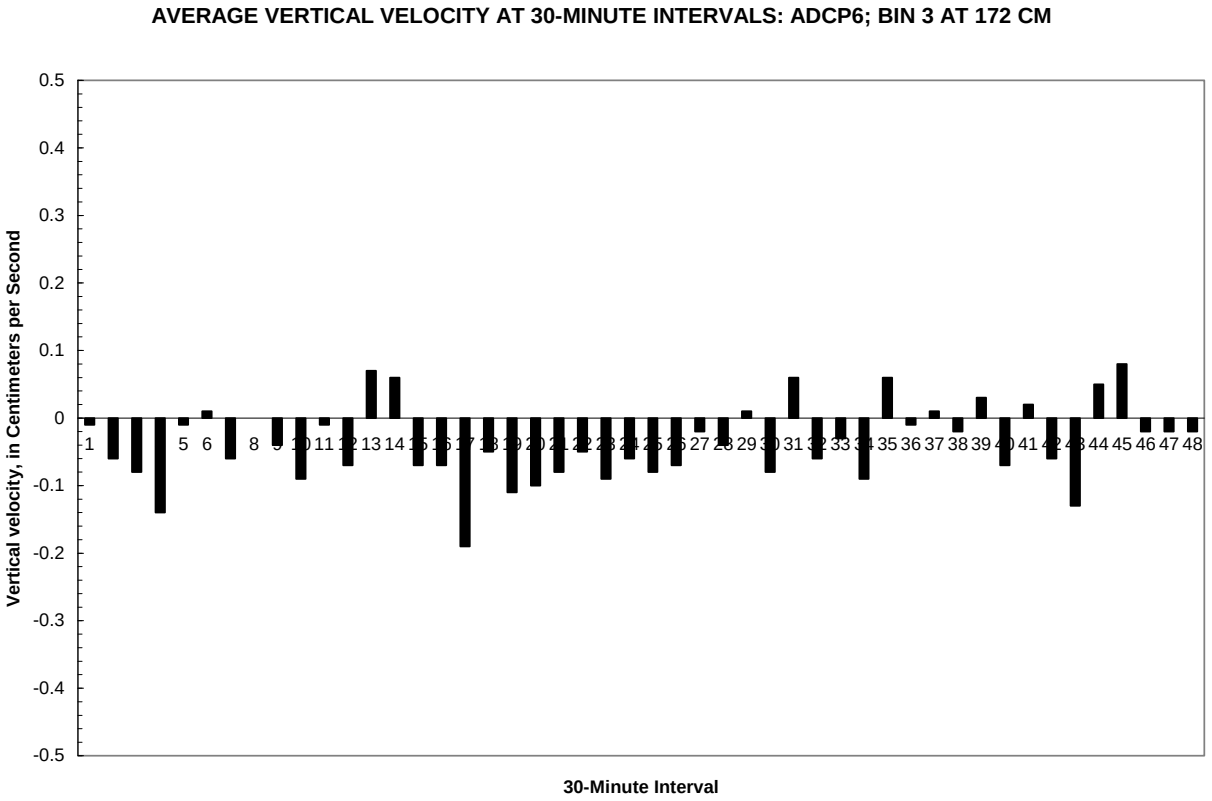

Figure C8. Bar graph of 30-minute interval near-bottom vertical velocity (6/21/05 – 9/12/05) at station ADCP6.

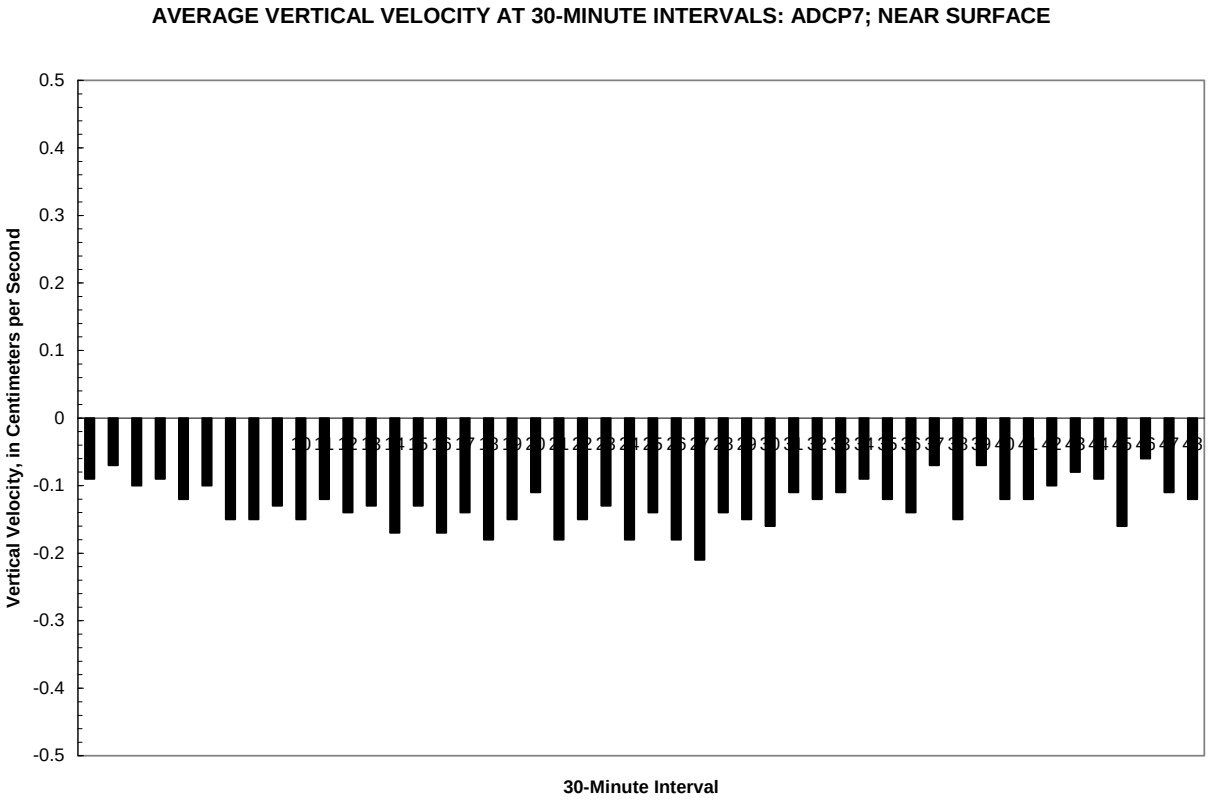

Figure C9. Bar graph of 30-minute interval near-surface vertical velocity (6/21/05 – 9/12/05) at station ADCP7.

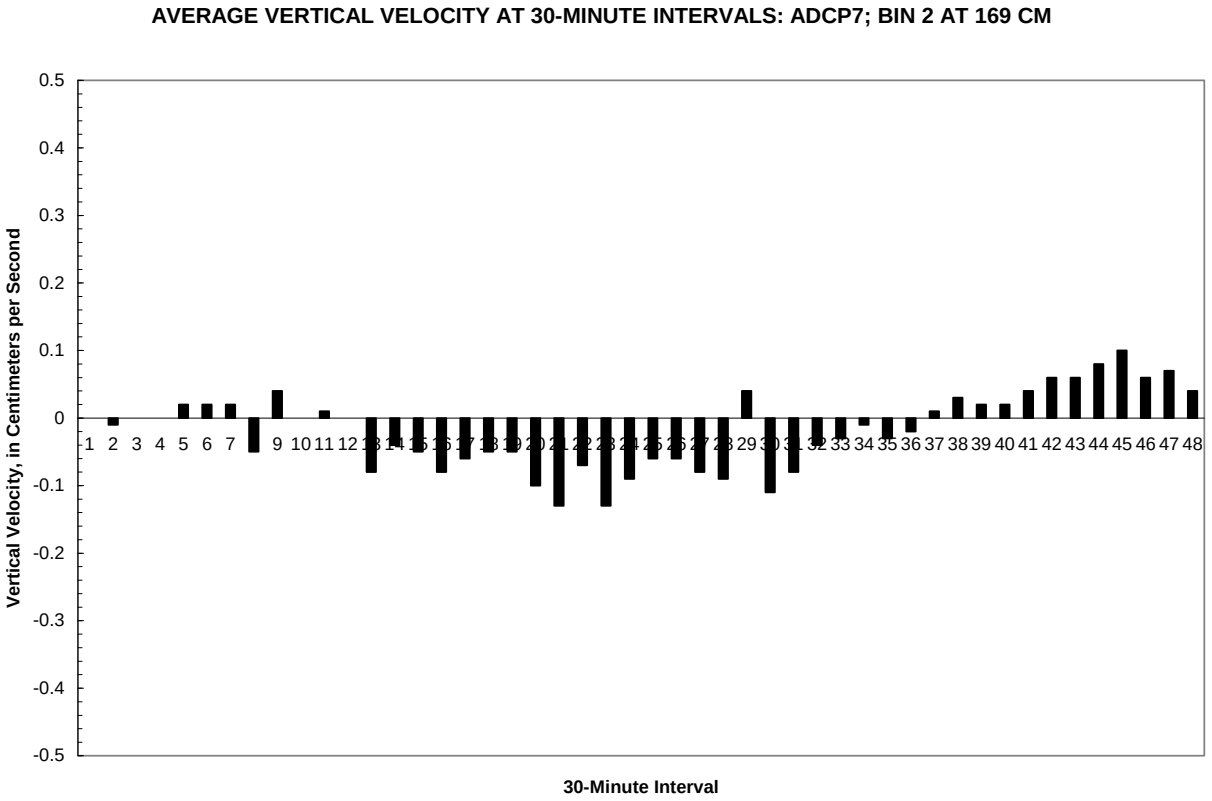

Figure C10. Bar graph of 30-minute interval near-bottom vertical velocity (6/21/05 – 9/12/05) at station ADCP7.

Appendix D – ADCP and GS Data Formats

Acoustic Doppler Current Profiler File Format

The ADCP file format described below applies to the raw data and the low-pass-filtered data. The ADCP file format begins with header information that describes the station name, start and end dates, the number of samples in the vertical (bins), the time step, and the station location. An example of this format is given in figure A2. After the header is a time series of profiles that begins with a time stamp followed by the profile information.

```
UKLN3                                   station name
4226 0122 123                           latitude and longitude
    1        13        0.50000   0.25000first bin, last bin delta T, bin ht
 2005    6   21      2005    9   12     Start and stop dates
   0.00000   0.00000 2005    6   21 1599
     1      1.00     -2.30      0.10    205.00
     2      0.60      0.80      0.00    201.50
     3      0.00      1.10     -0.40    198.00
     4      0.10      0.50     -0.20    197.25
     5     -0.30      2.30      0.30    199.25
     6     -0.70      2.20      0.00    201.75
     7      0.40     -0.70      0.30    201.25
     8      0.60     -3.40      0.60    206.75
     9      1.90     -1.00      0.10    211.75
    10      0.30     -0.50     -0.10    213.00
    11      1.60     -0.50      0.00    215.00
    12     -0.60     -4.40      0.00    215.25
    13     -3.60     -3.90     -0.20    215.00
```

LINE 1: Station name
LINE 2:Latitude: degrees (columns 1-2), minutes (columns 3-4), seconds (columns 6-7)
Longitude: degrees (columns 7-9), minutes (columns 10-11), seconds (columns 12-13)
LINE 3:Columns 1-5: first bin in profile
Columns 11-15: last bin in profile
Columns 21-30: time step in decimal hours (in this case 30 minutes)
Columns 31-40: Bin height in meters
LINE 4:Columns 1-35: start and stop calendar day of the time series
Columns 1-5: starting year of the time series
Columns 6-10: starting month of the time series
Columns 11-15: starting dayr of the time series
Columns 20-25: ending year of the time series
Columns 26-30: ending month of the time series
Columns 31-35: ending day of the time series
LINE %
LINES 5-18: Contain the first velocity profile where **LINE 5** is the time when the profile was taken and
LINES 6-18 contain the velocity data. In this case, nine bins make up the velocity profile, as specified in **LINE 4** of the header.
LINE 5: Columns 1-10: elapsed time, in decimal hours
Columns 11-20: zero (not used)
Columns 21-25: year (19xx) of sample
Columns 26-30: month of sample
Columns 31-35: day of sample
Columns 36-70: decimal hour*100 of sample (for example, 3:45pm is 1575)
LINES 6-18: Contain the profile data
Columns 1-6: bin number where Bin 1 is near the ADCP transducer
Columns 7-16: U or east velocity component
Columns 17-26: V or north velocity component
Columns 27-36: W or vertical velocity component

Columns 37-46: the backscatter in counts

GS File Formats

Two file formats are described in the following sections to facilitate data transfers: (1) time-series which typically includes the wind or single bin velocity data, and (2) ADCP data profiles.

Time-Series File Format

The time-series format is used to store all the data described in this report except the ADCP data. Figure A1 shows an example time series. In this format, the header information describes the number of channels, which data are stored in the various channels and in what order. Each line in this example is described in detail in what follows:

```
4223 61215545                            latitude and longitude

Start:-Yr-Mn-Dy---Hr------Days--------Dt-Nchan-Mxdig
     2005  6 21 1249      1826  30.00000     4     6
Model grid:    0.00    0.00  9   12     Start and stop dates
CH---------------Name-Digit-Dtype-Isens-Nodat--Ivec--Iblg
 1Direction, Deg.          2     1     1     1     1
 2Speed, cm/s              1     2     1     2     1
 3Sea Level, cm            1     3     1     0     0
 4Backscatter Int          1    98     1     0     0
-----Days---Dir-Speed-Stage-Bscat----Yr----Mn----Dy--Hour
 17252042 15516    60     0  1635  2005     6    21  1249
 17254124 14748    82     0  1610  2005     6    21  1299
 17256209 15139    25     0  1618  2005     6    21  1349
 17258292 16732    41     0  1605  2005     6    21  1399
```

LINE 1: Header information (here position)
LINE 2: Header information, stored as a character variable.
LINE 3: Header that gives a description for the next line of data.
LINE 4: yr: Start year of time series xxxx, where xxxx is the year; columns 8-9.
mn: Start month of time series; columns 11-12.
dy: Start day of series; columns 14-15.
hr: Start hour of series in decimal hours*100 (for example, 3:45pm is 1575); columns 17-20.
days: Represents the number of days referenced to the year 2000 to the first day of the year or record (for example, days = 0 on January 1, 2000). This allows for absolute time referencing when time series are compared with differing deployment start years; columns 25-30.
dt: Sampling interval, in minutes; columns 31-40.
nchan: Number of data channels (excluding time information); columns 41-46.
mxdig: Maximum number of digits used for end data channel; columns 47-52.
LINE 5: Header information stored as a character variable.
LINE 6: Header that gives a description for the next line of data.
LINES 7 through 10

ch: Channel number represents the column number to the right of time column in lines 11 forward (for example, for the data set pictured, ch1 is direction, ch2 is speed, and so forth). The assignment of these data columns is completely flexible and will change depending on the data type; columns 1-2.
name: The name of the channel and the units the data are collected in. The name is used for plotting and output of data; column 3-22.
digit: All data are stored as integers to reduce the size of the files. Digit represents the location of the decimal place. The actual data are obtained by dividing the integer values in a given column by 10^{digit}; columns 23-28.
dtype: Data type code. This code (a two-digit integer) allows the same data types to be overlaid on the same plot. Examples of data type codes are conductivity=8, water temperature=6, and so forth; columns 29-34.
isens: Sensor number, where isens=1 is the bottom sensor; columns 36-40.
ivec: Indicates whether data are scalar (0) or vector quantity (1); columns 41-46.
iblg: Associates two parts of a vector quantity, iblg=1 is direction and iblg=2 is speed; columns 47-52.
LINE 11: Header that gives a description for the next line of data.
LINE 12: Number of days since the beginning of the start year $*10^5$. Absolute referencing to the year 2000 is obtained by adding days in **LINE 4** to the days in this column. Note: January 1, 19xx, equals calendar day 1. The days field takes nine spaces (columns). The next four columns of data are defined by the header information. There are four columns because, in this case, there are four data channels. The number of data channels is defined by the value of **NCHAN**. Each data channel takes six spaces (or columns).

Appendix E – LISST Data

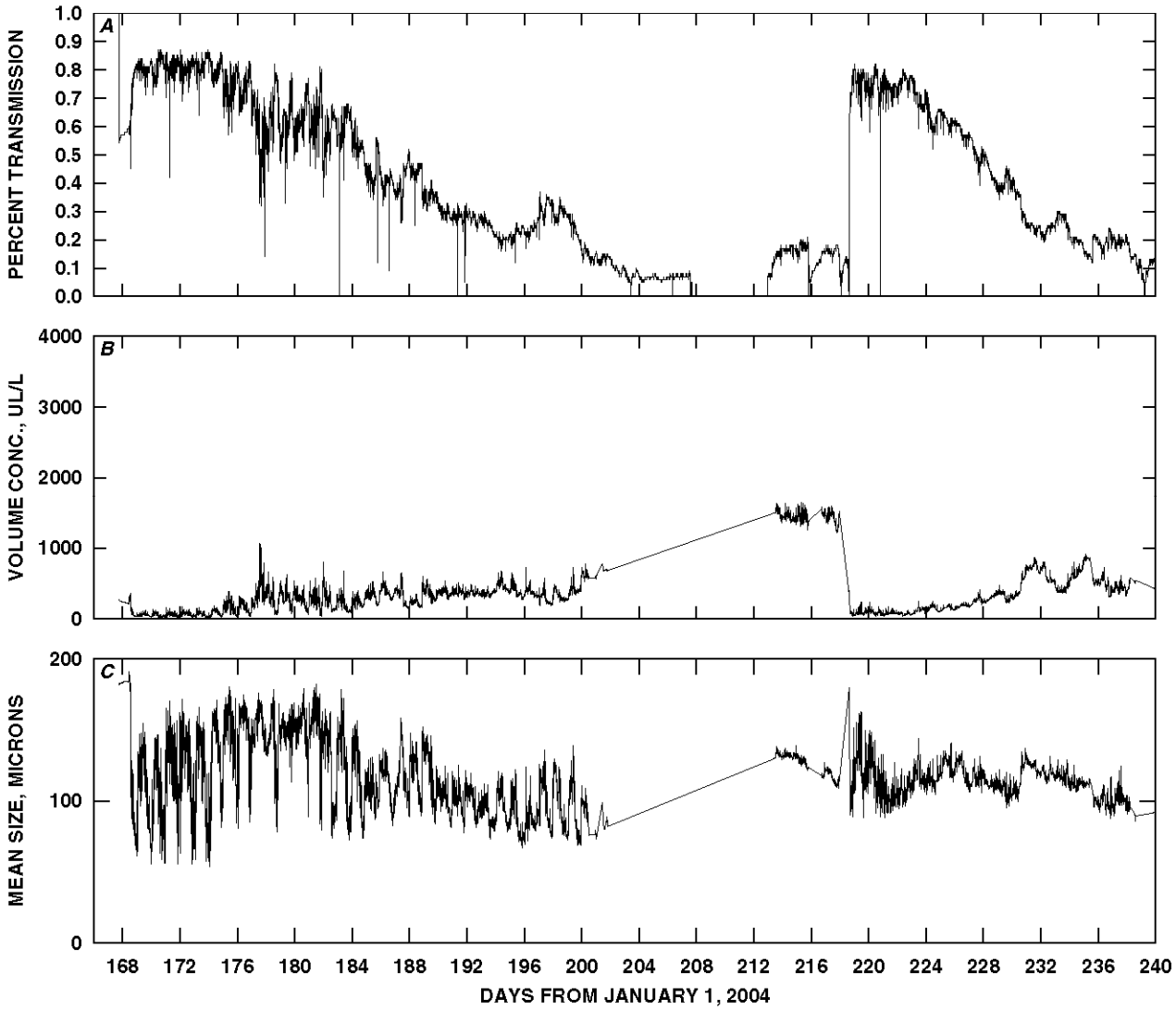

Figure E1. Time series of LISST suspended particle data, 2004. The LISST was located at ADCP2 from 6/16/04 to 8/5/04 (calendar day 168-218) and at ADCP3 from 8/5/04 to 9/15/04 (calendar day 218-259).

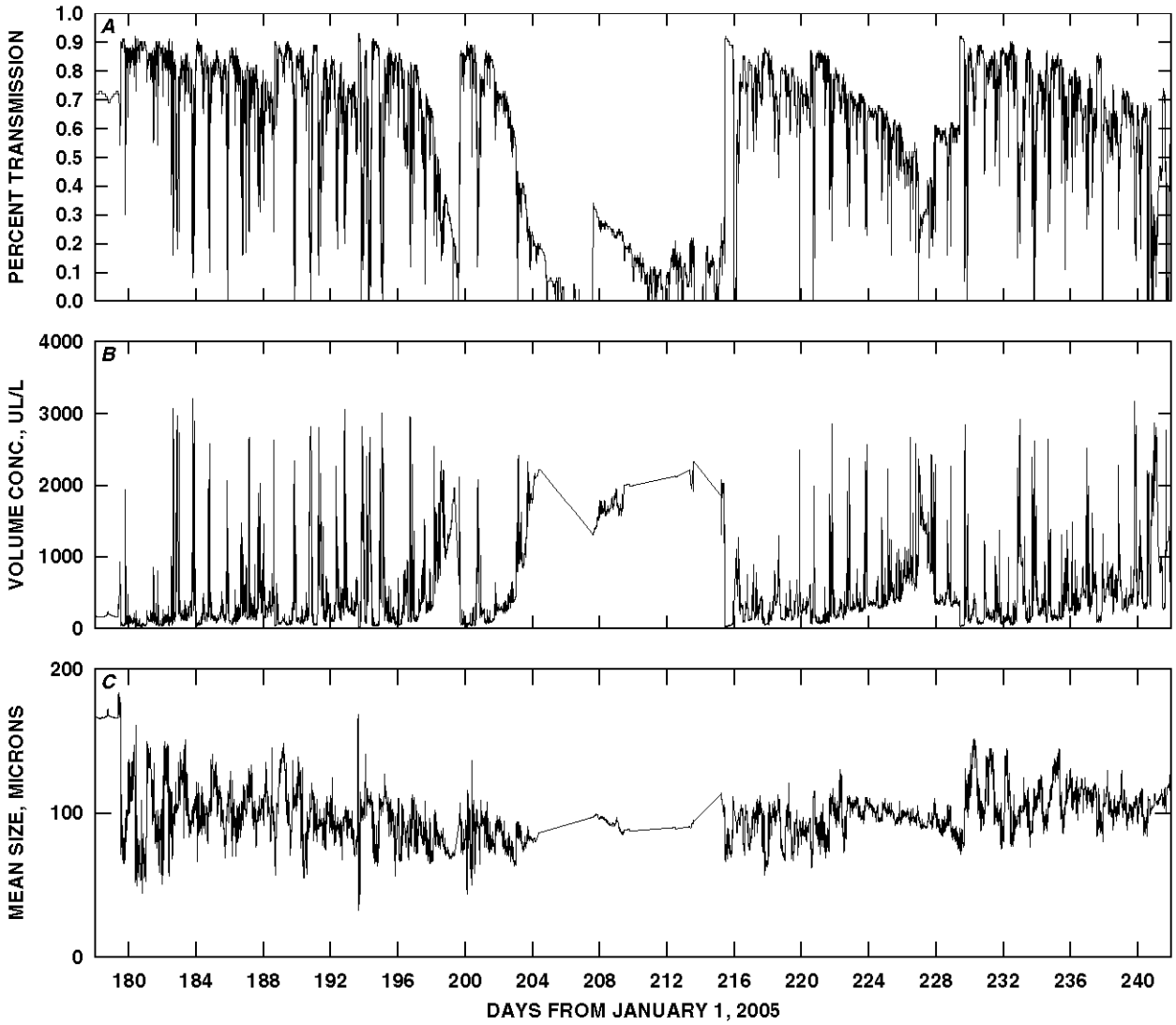

Figure E2. Time series of LISST suspended particle data, 2005. The LISST was located at ADCP6.

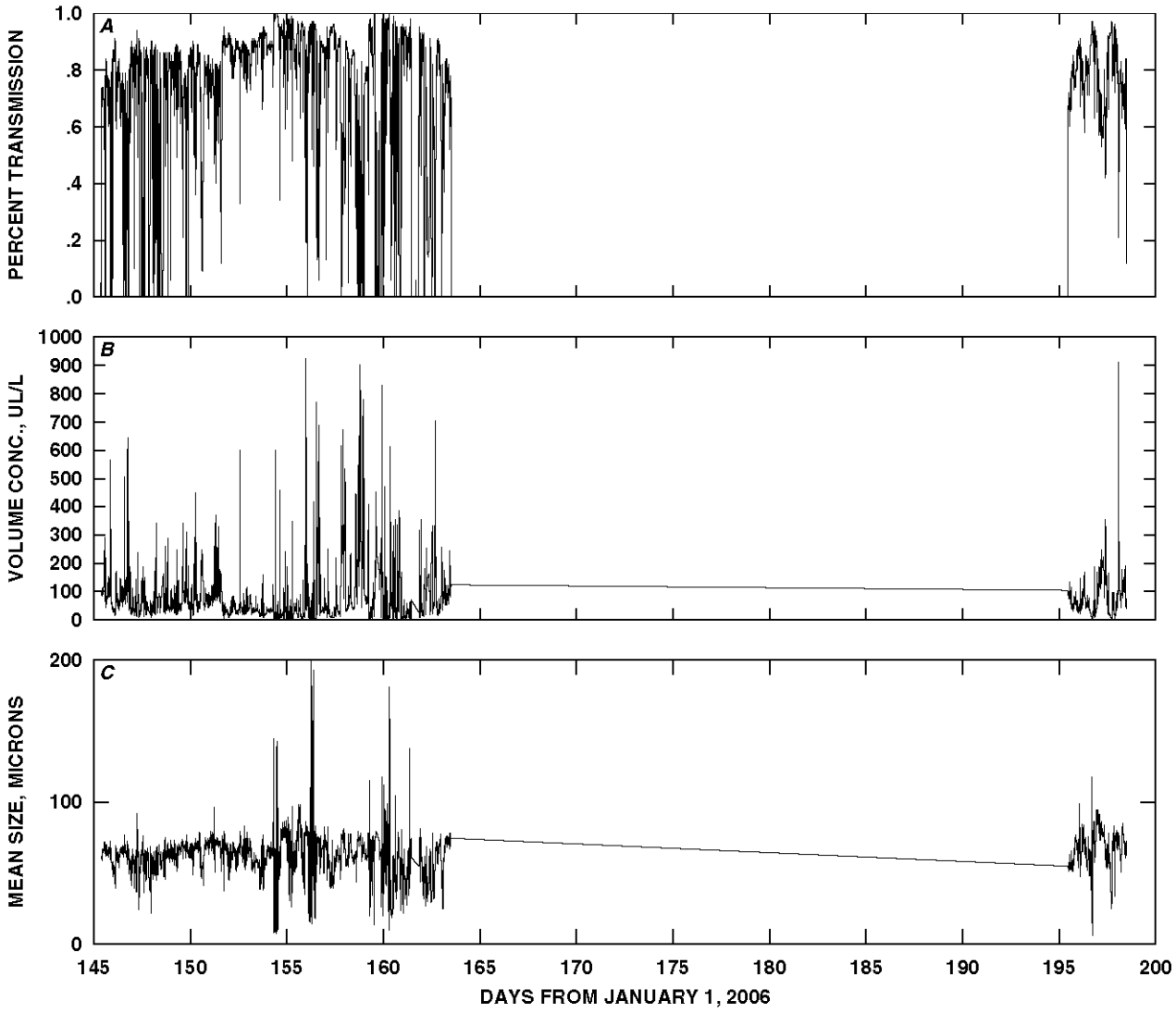

Figure E3. Time series of LISST suspended particle data, 2006. The LISST was located at ADCP9.

LISST Cleaning Date and Times (2005)

Date	Time of Pull Up	Time of Put Down
6/28/05		1240 (179.5278)
7/7/05	≈1600 (188.6667)	≈18:00(188.75)
7/12/05	1514 (193.6347)	1518 (193.6375)
7/18/05	1530 (199.6458)	1540 (199.6528)
7/26/05	1435 (207.6076)	1440 (207.6111)
8/3/05	1101 (215.4590)	1104 (215.4611)
8/8/05	1305 (220.5451)	1315 (220.5521)
8/17/05	1025 (229.4340)	1027 (229.4354)
8/22/05	1347 (234.5743)	1348 (234.5750)
8/29/05	1137 (241.4840)	1140 (241.4861)
9/8/05	1540 (251.6528)	1545 (251.6563)
9/12/05	1546 (255.6569)	1547 (255.6576)

LISST Cleanings Date and Time (2006)

Date	Time of Pull Up	Time of Put Down
6/7/06	1257 (158.5395)	1259 (158.5410)
7/13/06	1105 (194.4618)	1115 (194.4688)
7/20/06	1437 (201.6090)	1447 (201.6160)

Appendix F – ADCP Acoustic Backscatter Intensity, 2005

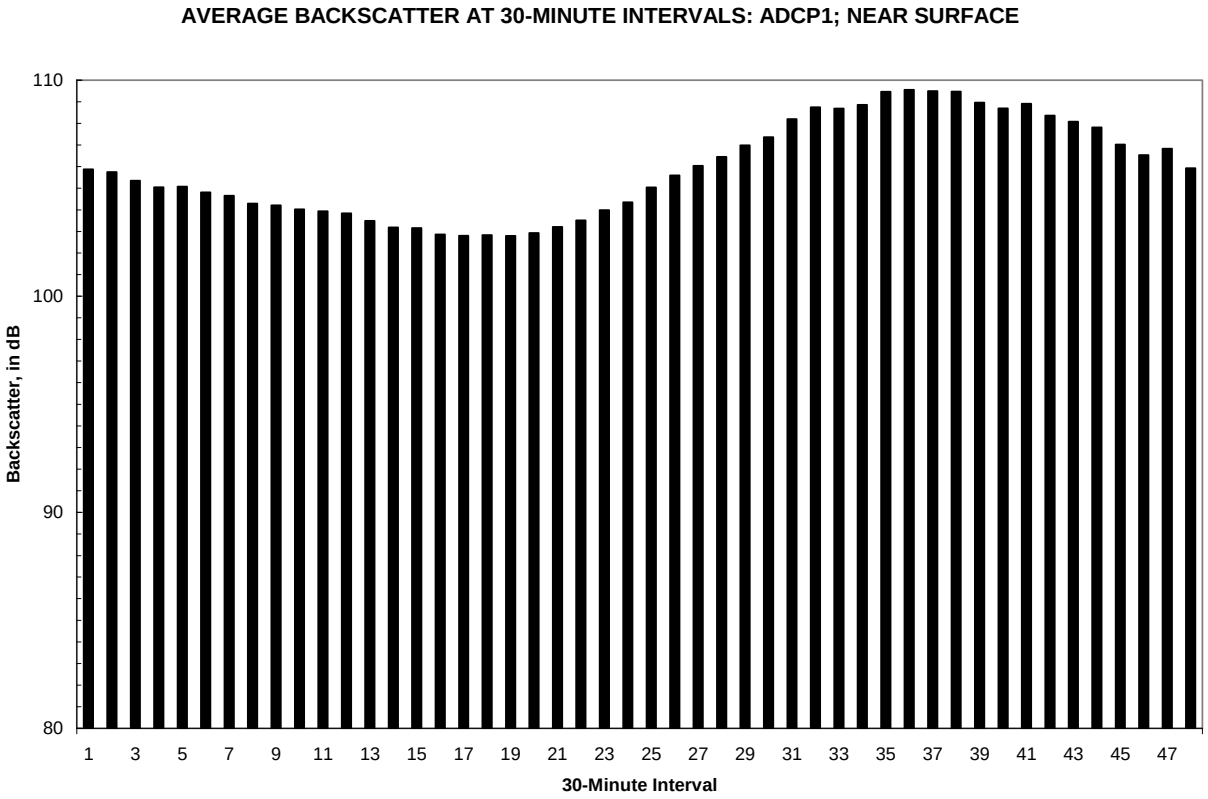

Figure F1. Bar graph of 30-minute interval near-surface backscatter intensity (6/21/05 – 9/12/05) at station ADCP1.

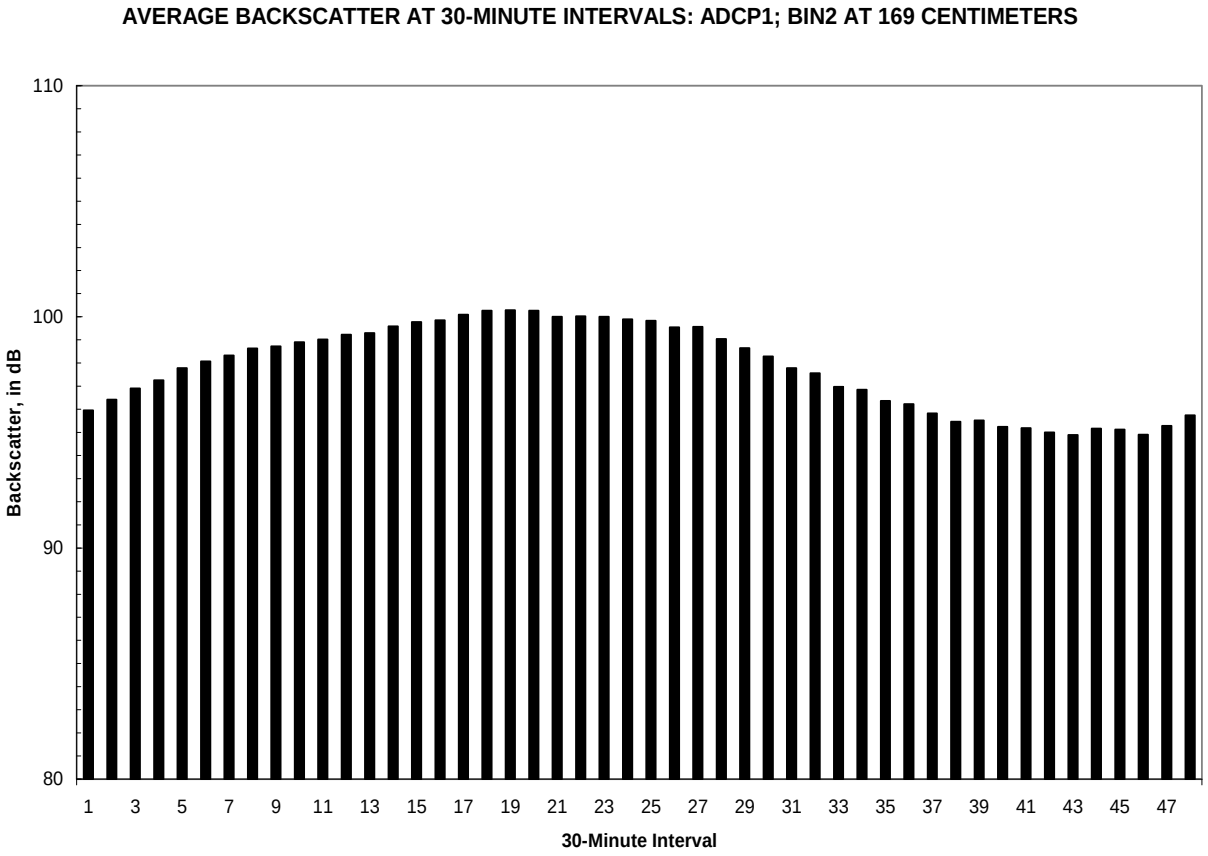

Figure F2. Bar graph of 30-minute interval near-bottom backscatter intensity (6/21/05 – 9/12/05) at station ADCP1.

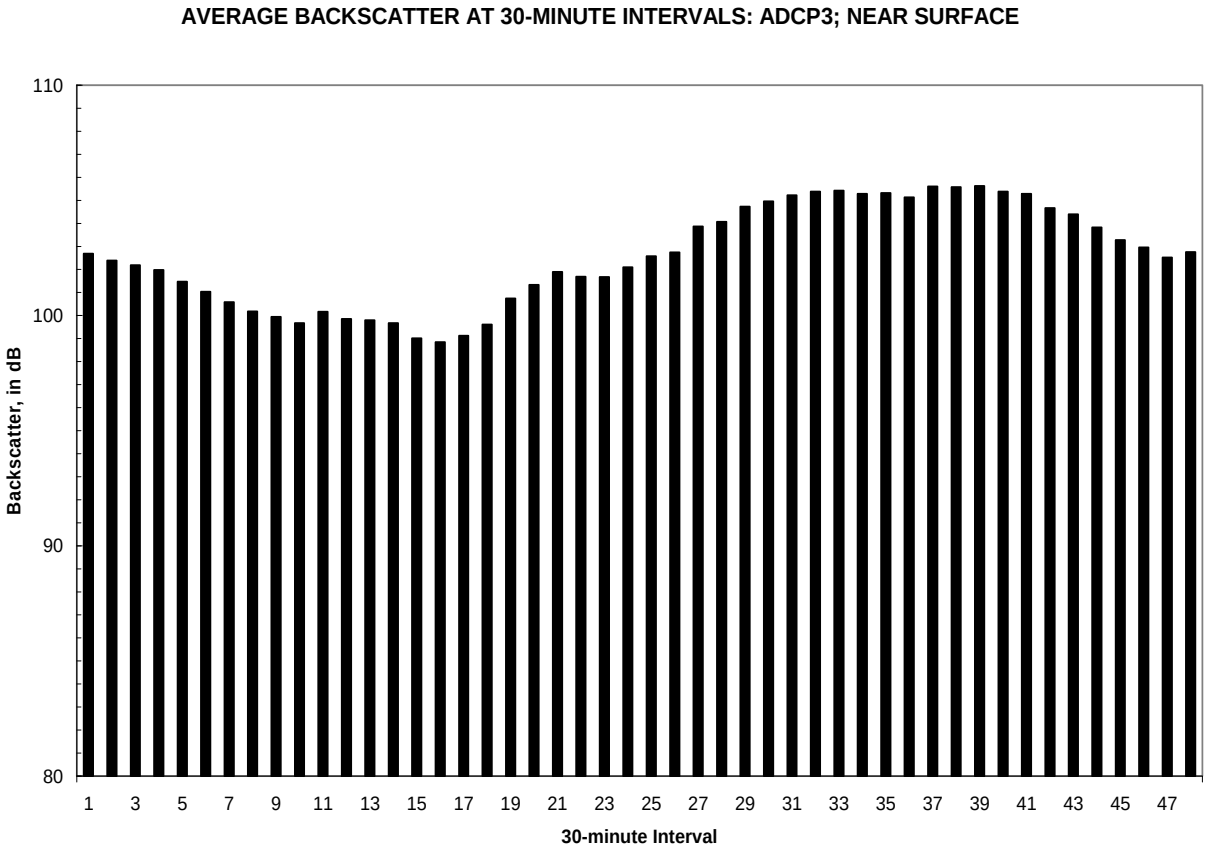

Figure F3. Bar graph of 30-minute interval near-surface backscatter intensity (6/21/05 – 9/12/05) at station ADCP3.

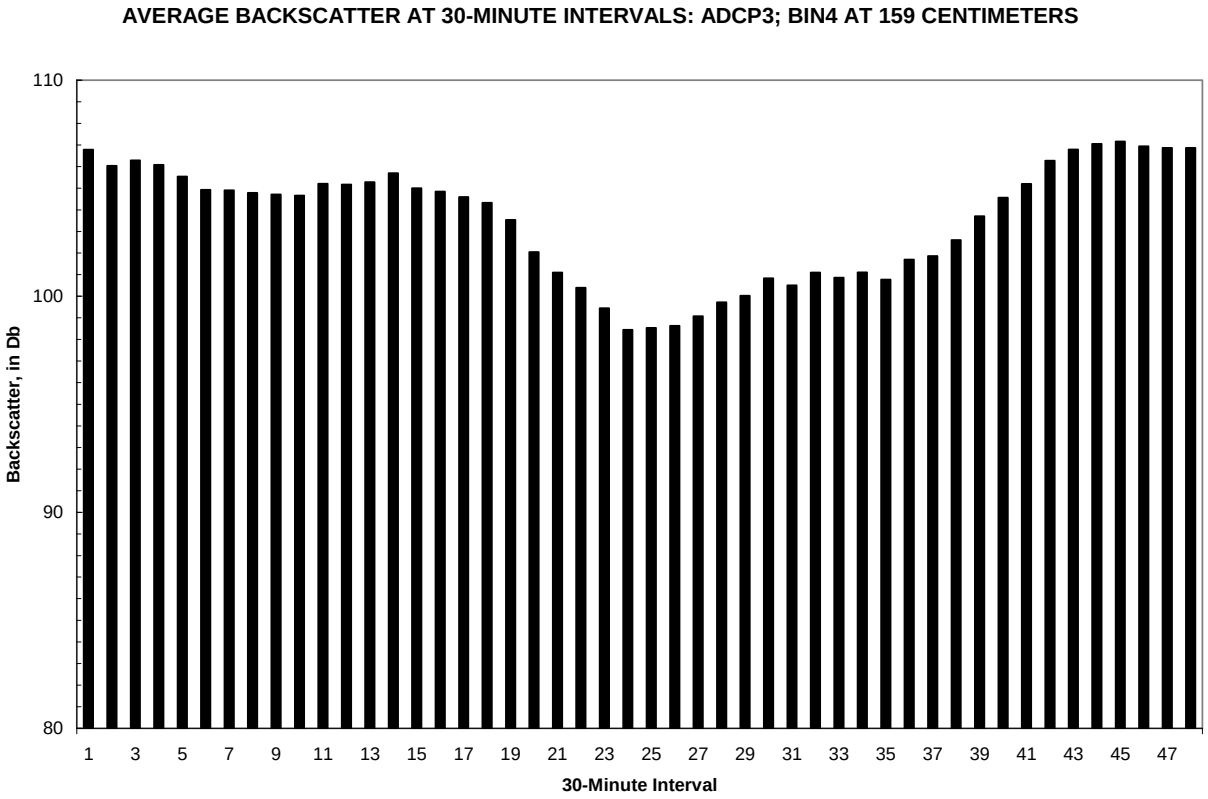

Figure F4. Bar graph of 30-minute interval near-bottom backscatter intensity (6/21/05 – 9/12/05) at station ADCP3.

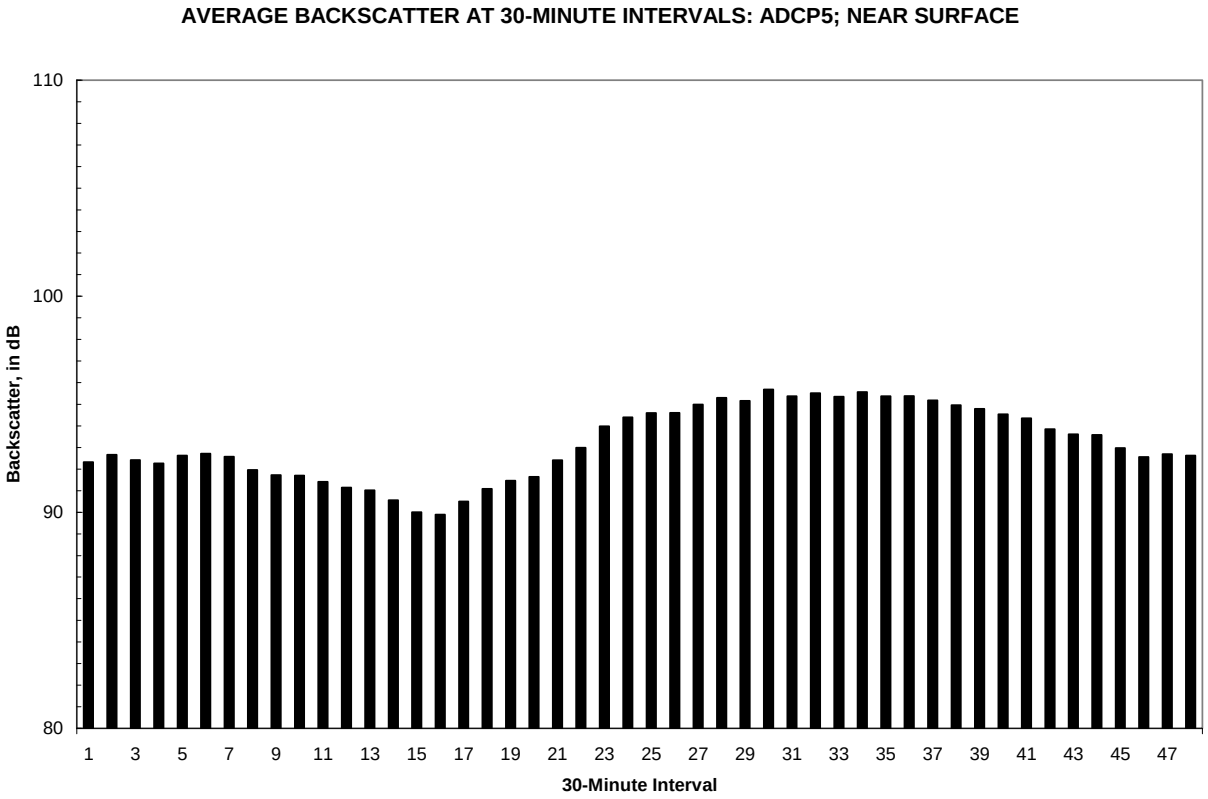

Figure F5. Bar graph of 30-minute interval near-surface backscatter intensity (6/21/05 – 9/12/05) at station ADCP5.

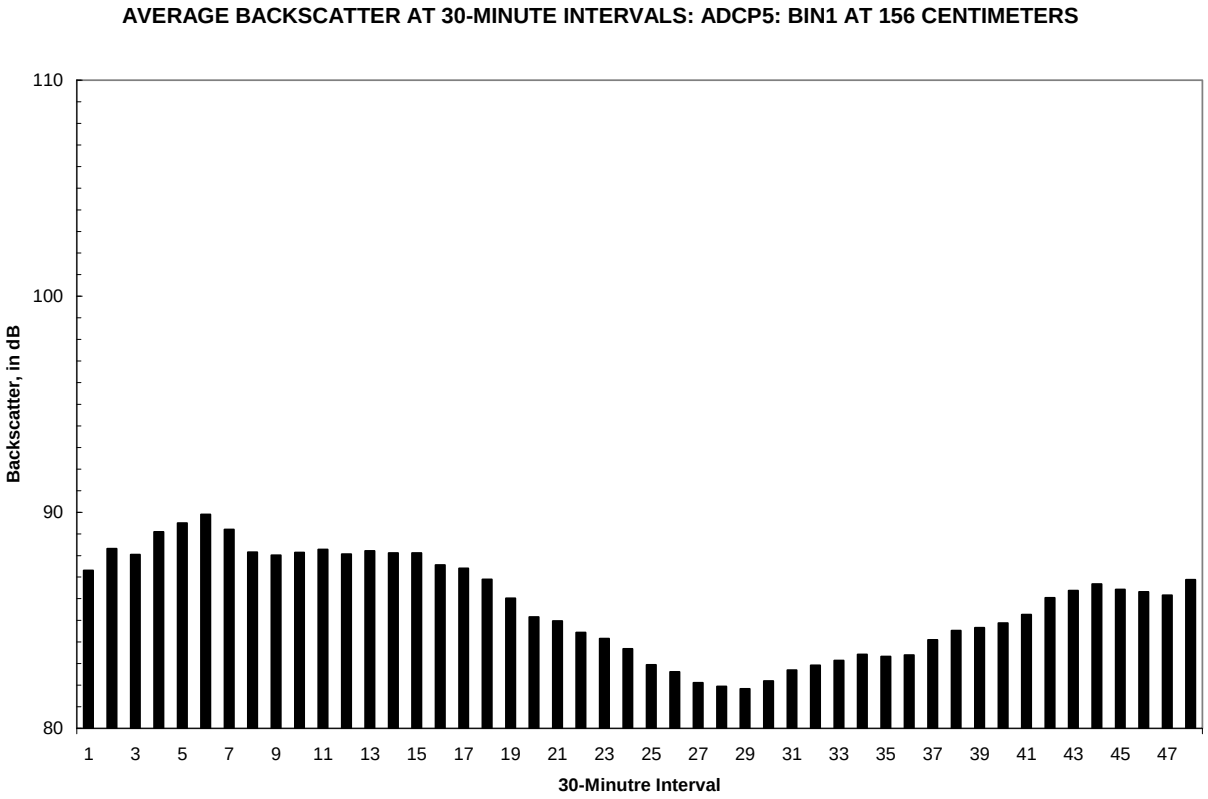

Figure F6. Bar graph of 30-minute interval near-bottom backscatter intensity (6/21/05 – 9/12/05) at station ADCP5.

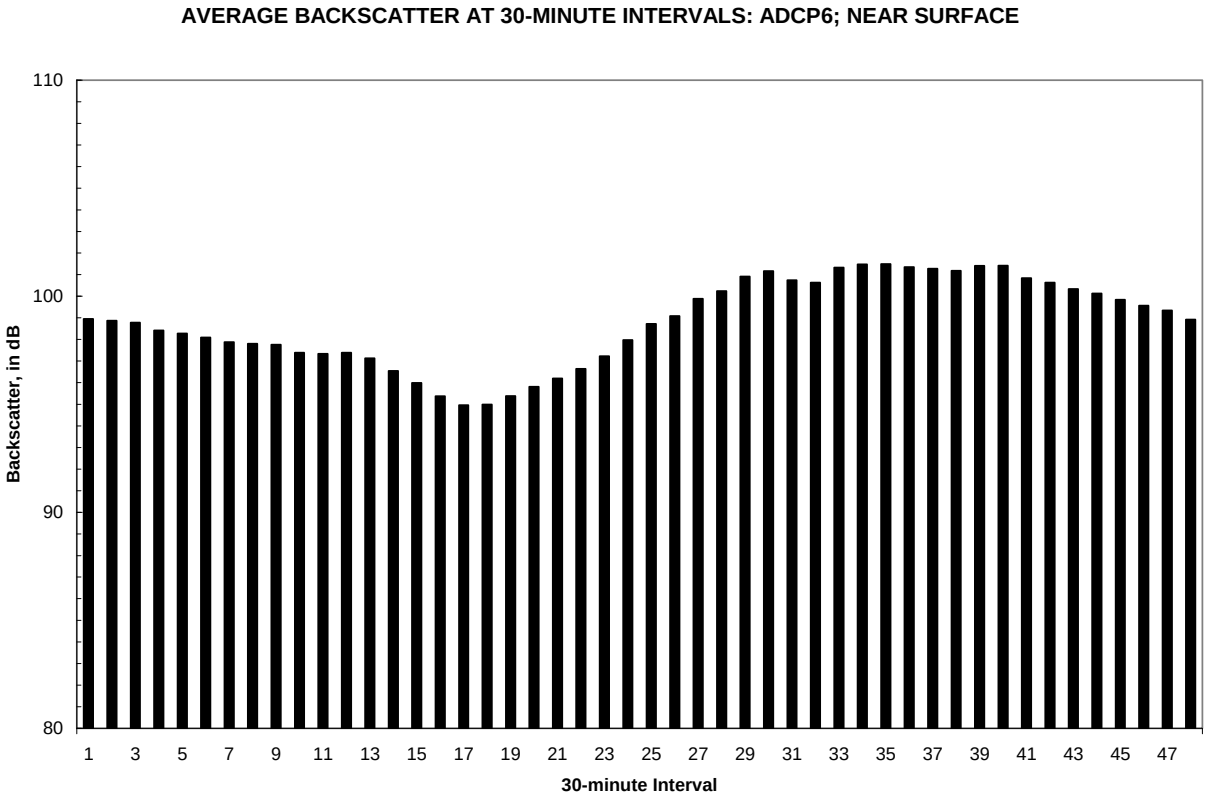

Figure F7. Bar graph of 30-minute interval near-surface backscatter intensity (6/21/05 – 9/12/05) at station ADCP6.

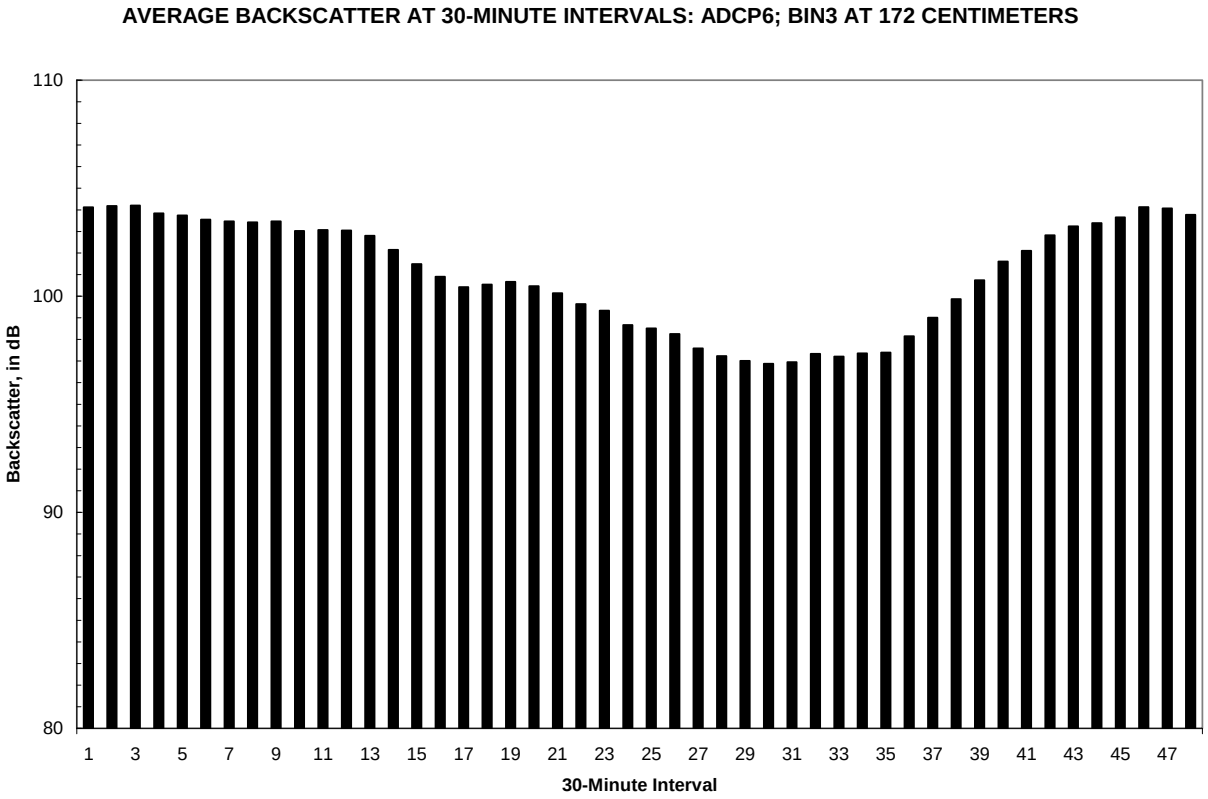

Figure F8. Bar graph of 30-minute interval near-bottom backscatter intensity (6/21/05 – 9/12/05) at station ADCP6.

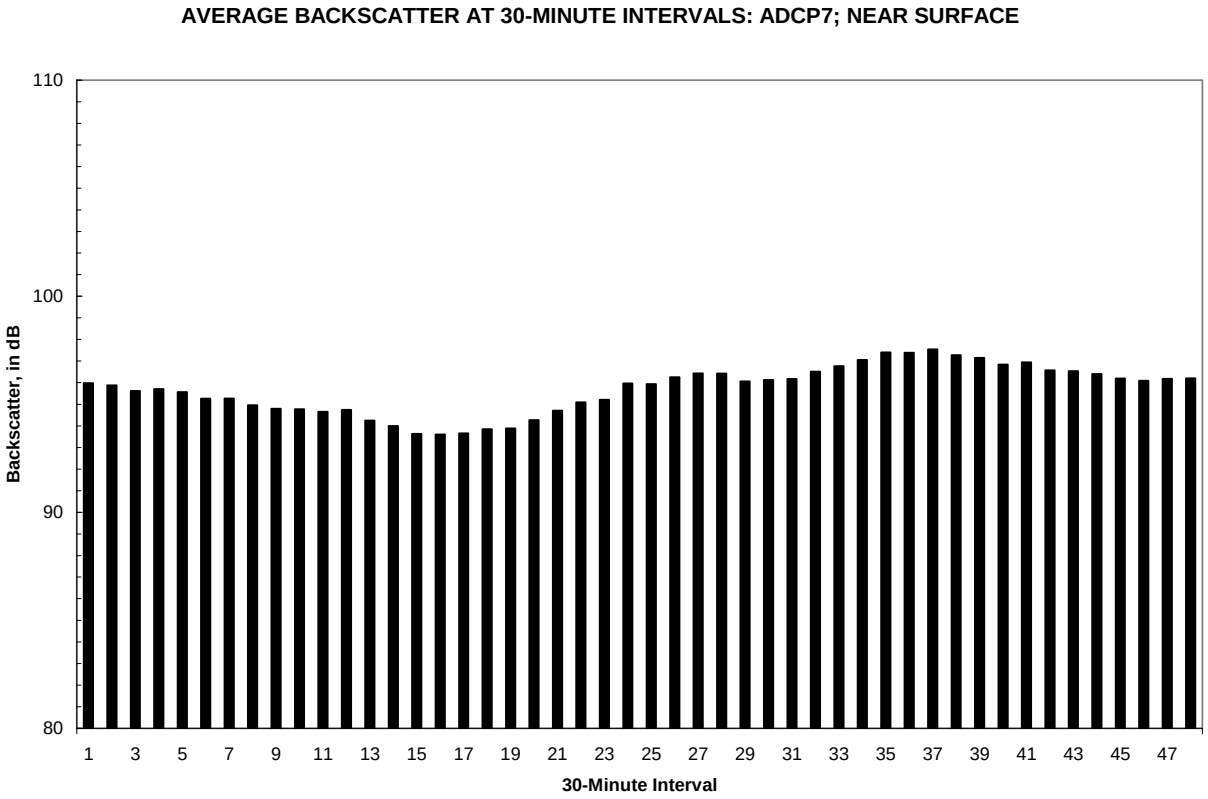

Figure F9. Bar graph of 30-minute interval near-surface backscatter intensity (6/21/05 – 9/12/05) at station ADCP7.

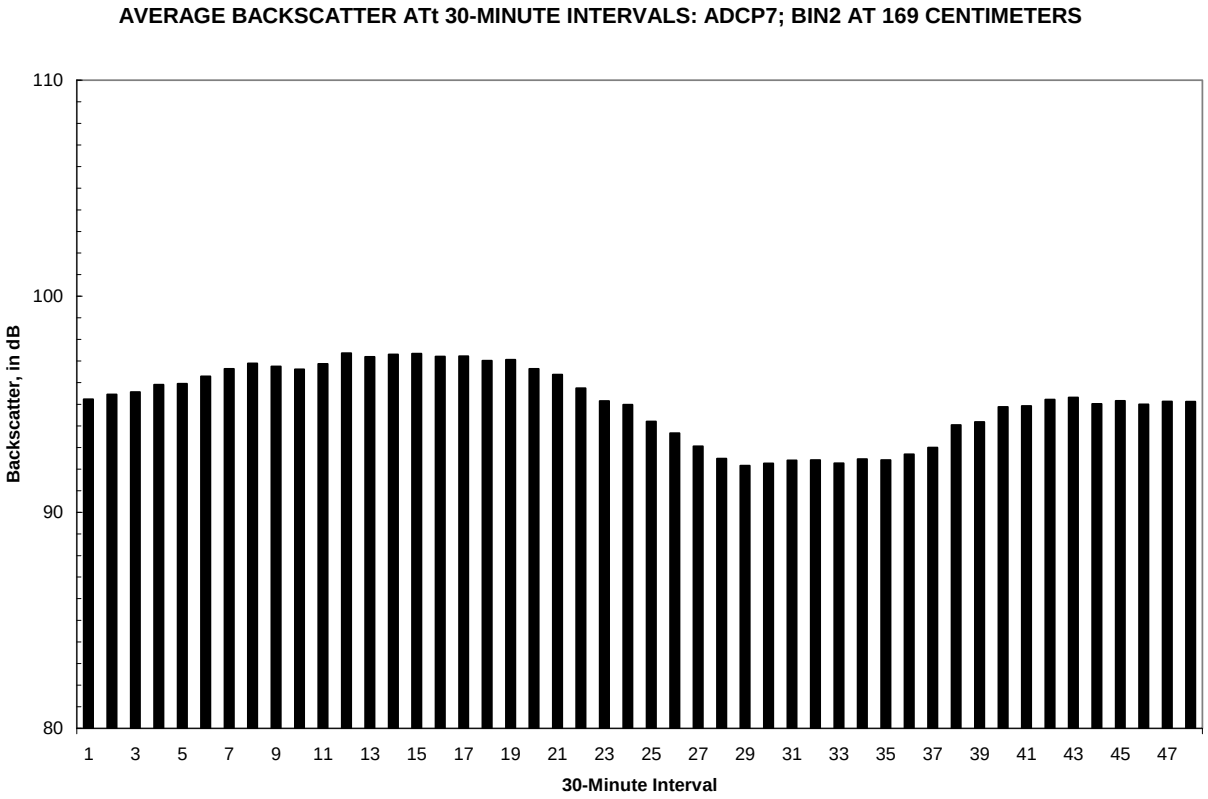

Figure F10. Bar graph of 30-minute interval near-bottom backscatter intensity (6/21/05 – 9/12/05) at station ADCP7.

Appendix G – Wind Speed and Direction

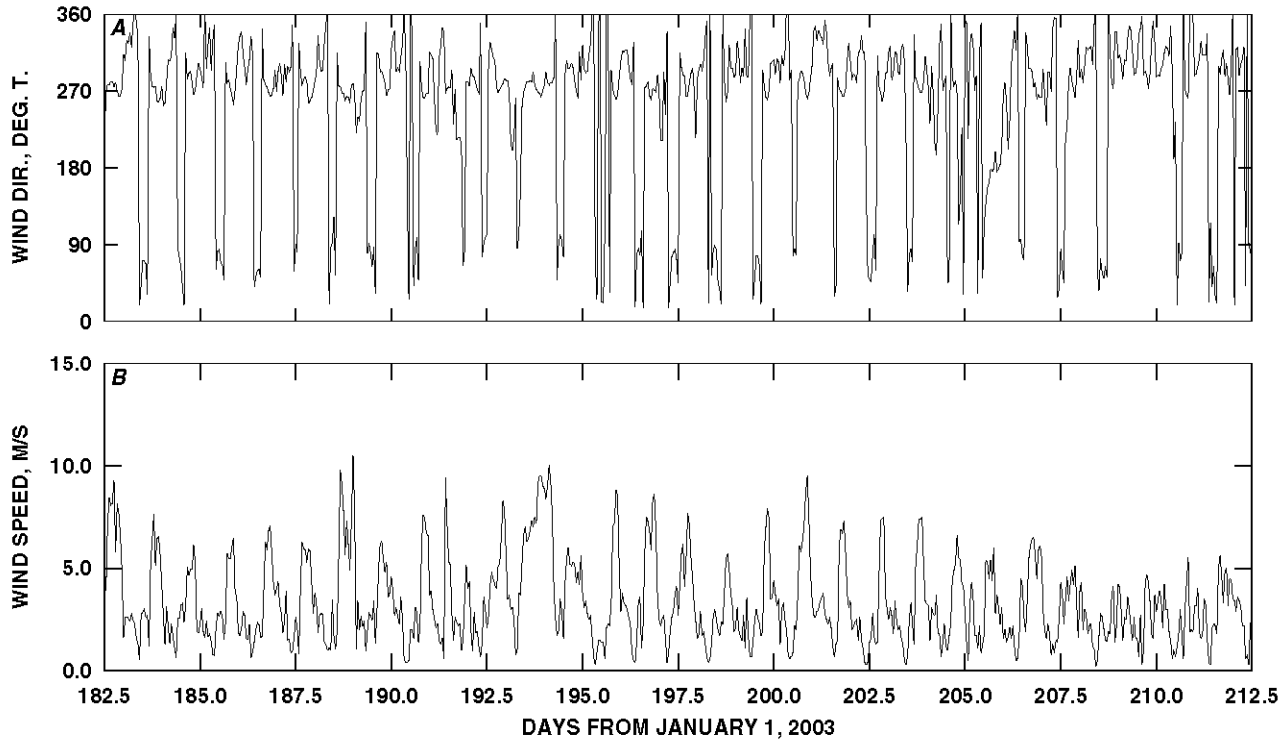

Figure G1. Wind speed and direction at site of UKL07 buoy during first ADCP deployment, 2003.

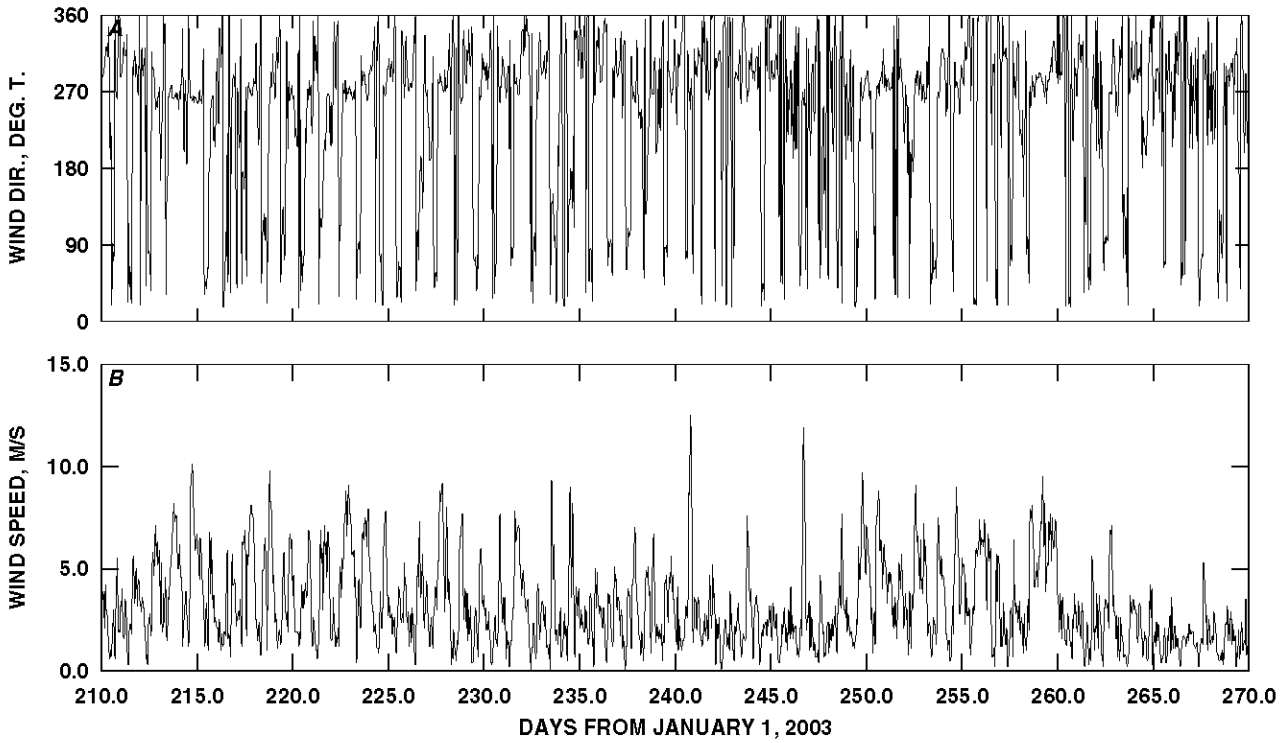

Figure G2. Wind speed and direction at site of UKL07 buoy during second ADCP deployment, 2003.

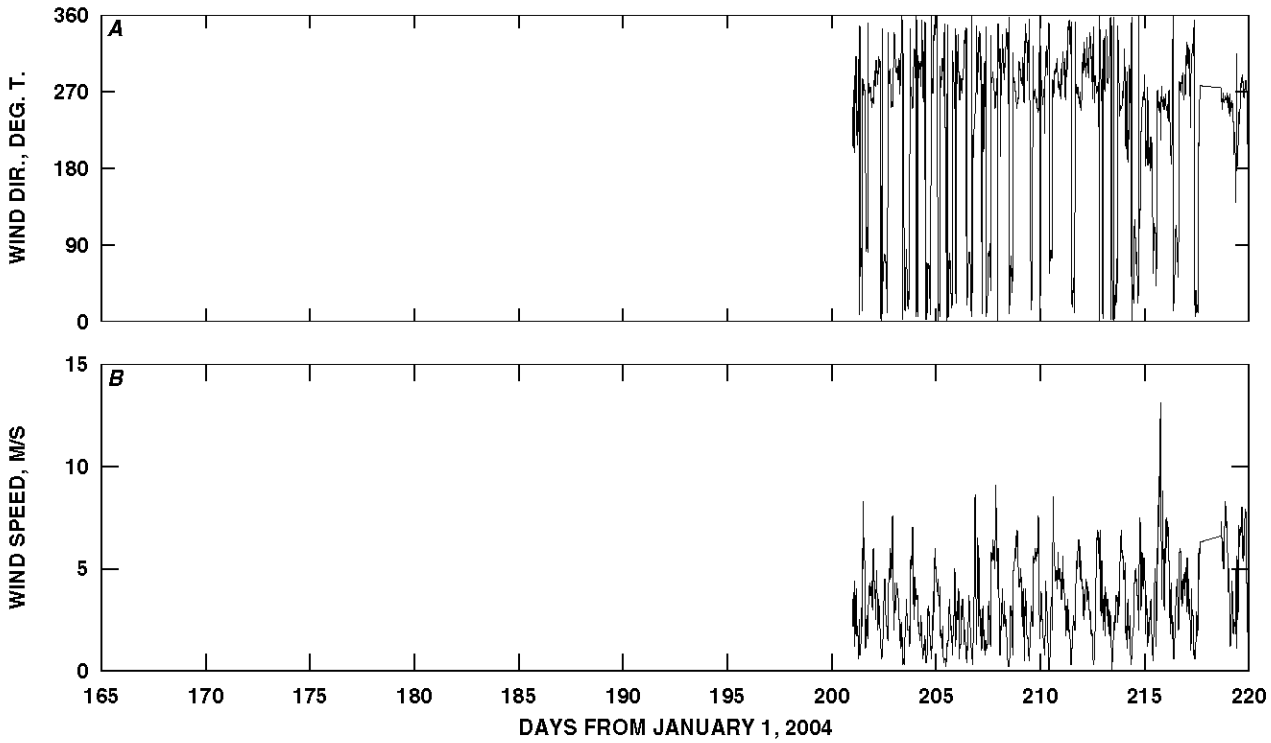

Figure G3. Wind speed and direction at site of UKL07 buoy during first ADCP deployment, 2004.

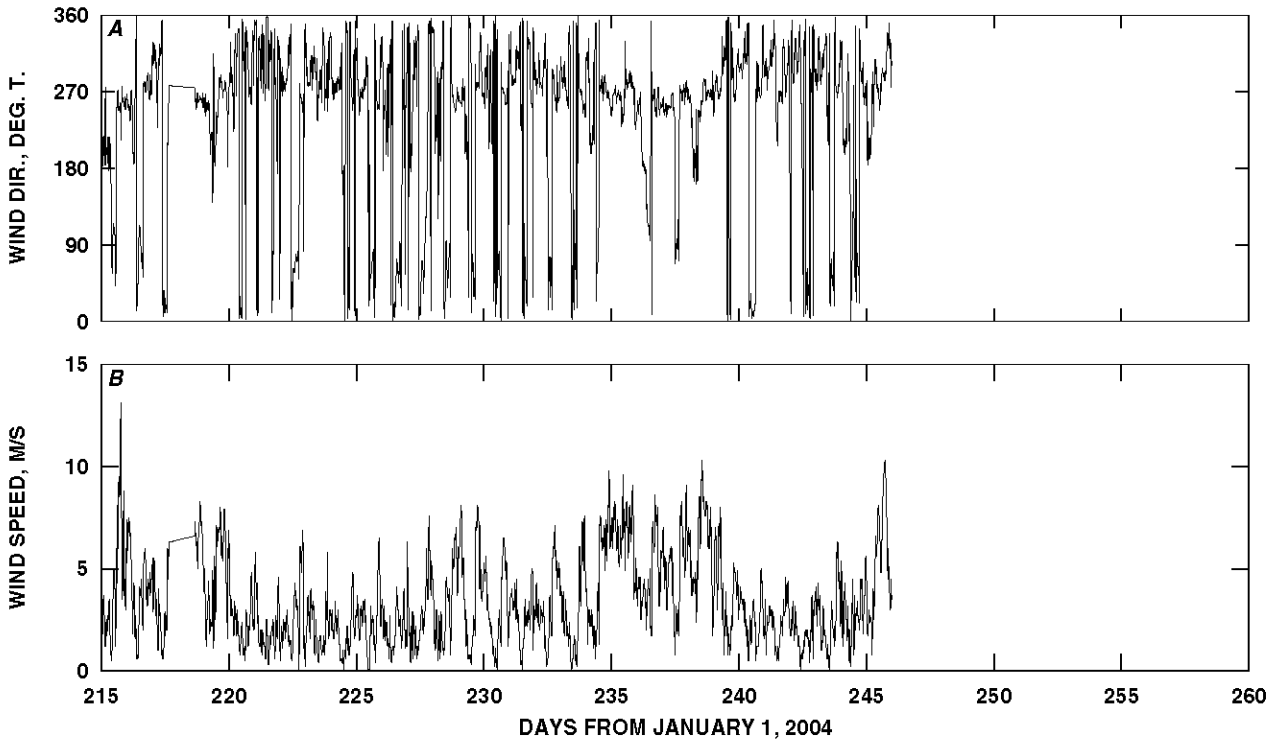

Figure G4. Wind speed and direction at site of UKL07 buoy during second ADCP deployment, 2004.

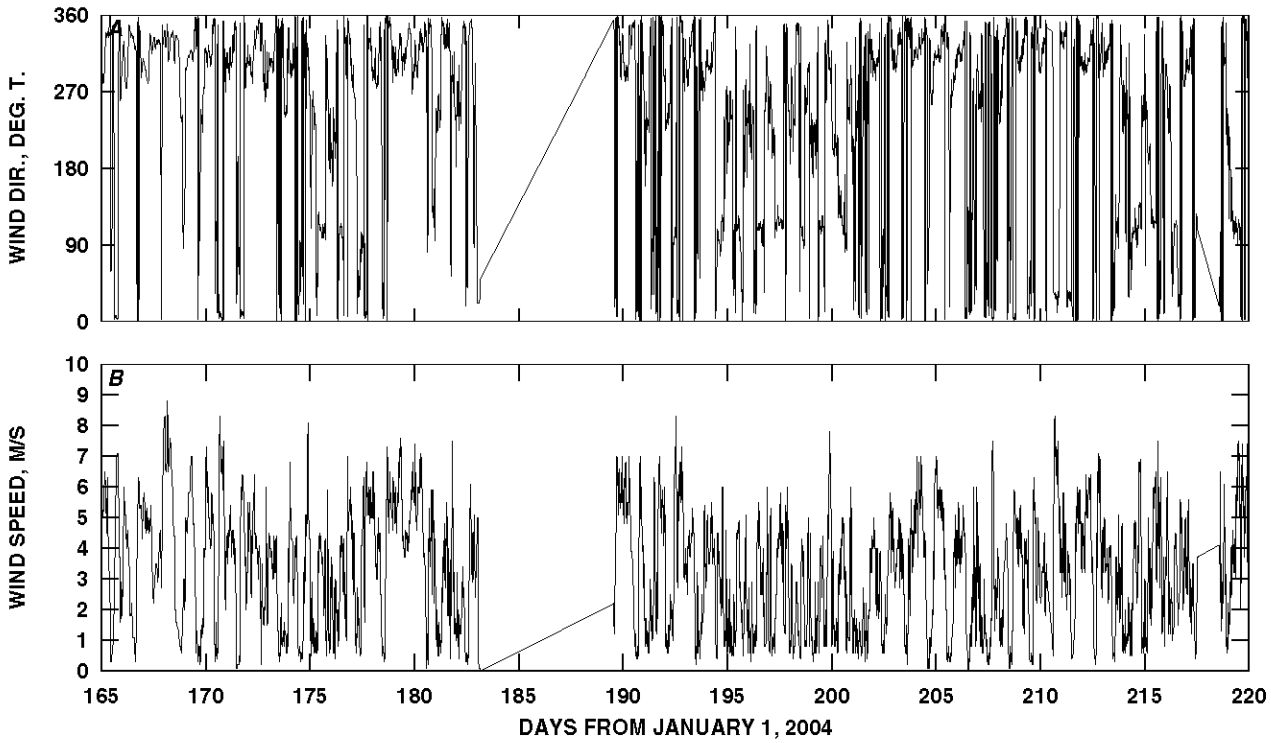

Figure G5. Wind speed and direction at site of UKL16 buoy during first ADCP deployment, 2004.

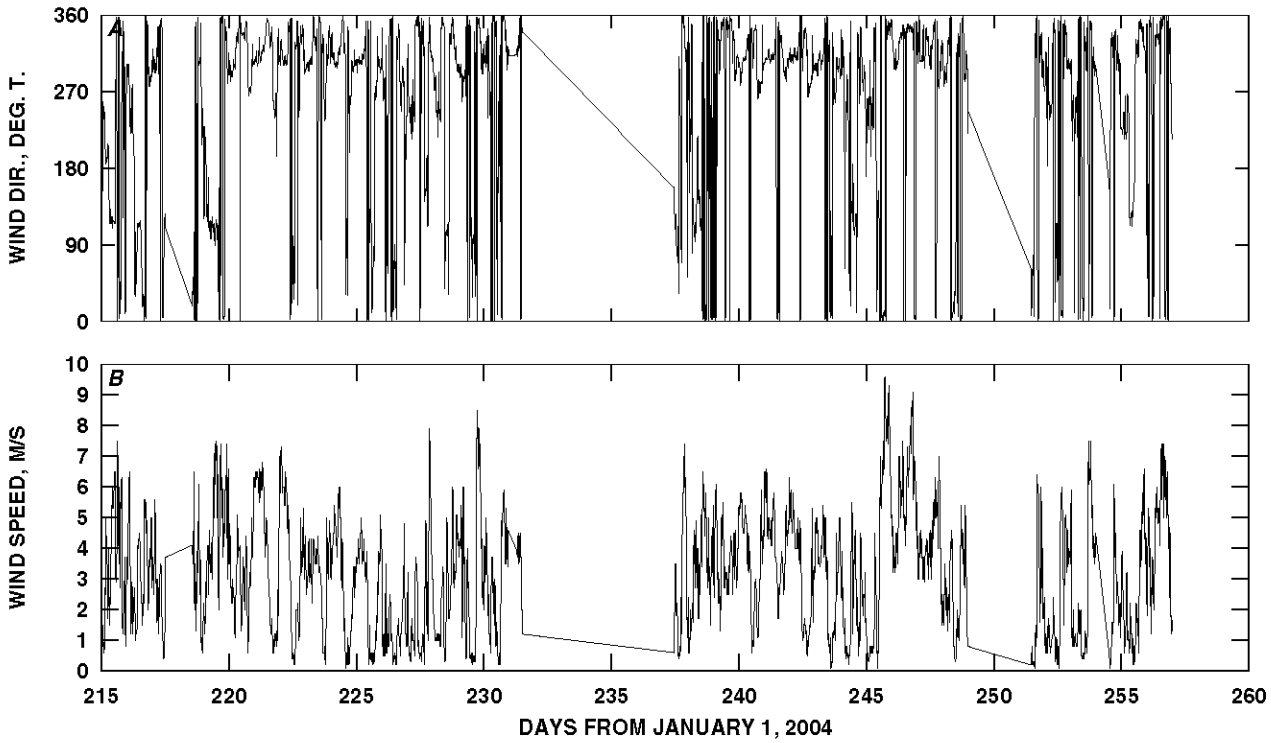

Figure G6. Wind speed and direction at site of UKL16 buoy during second ADCP deployment, 2004.

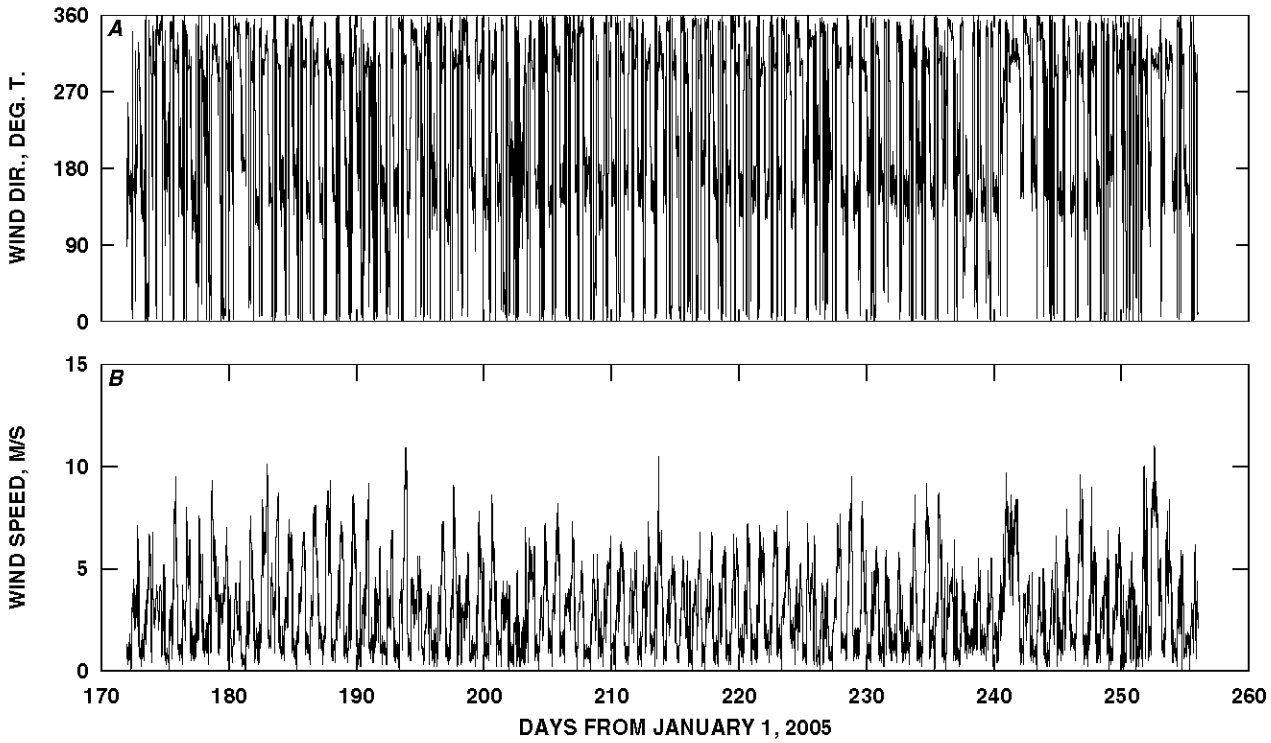

Figure G7. Wind speed and direction at BLB site during ADCP deployment, 2005.

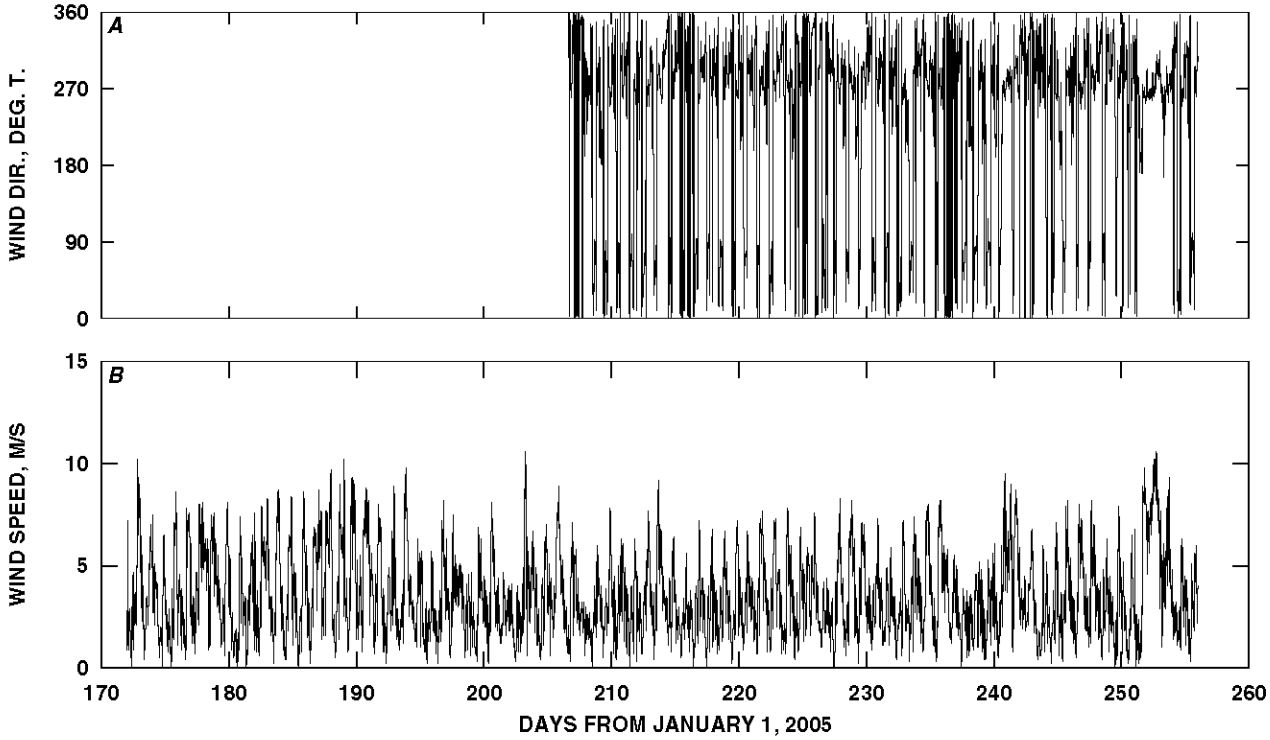

Figure G8. Wind speed and direction at MDN site during ADCP deployment, 2005.

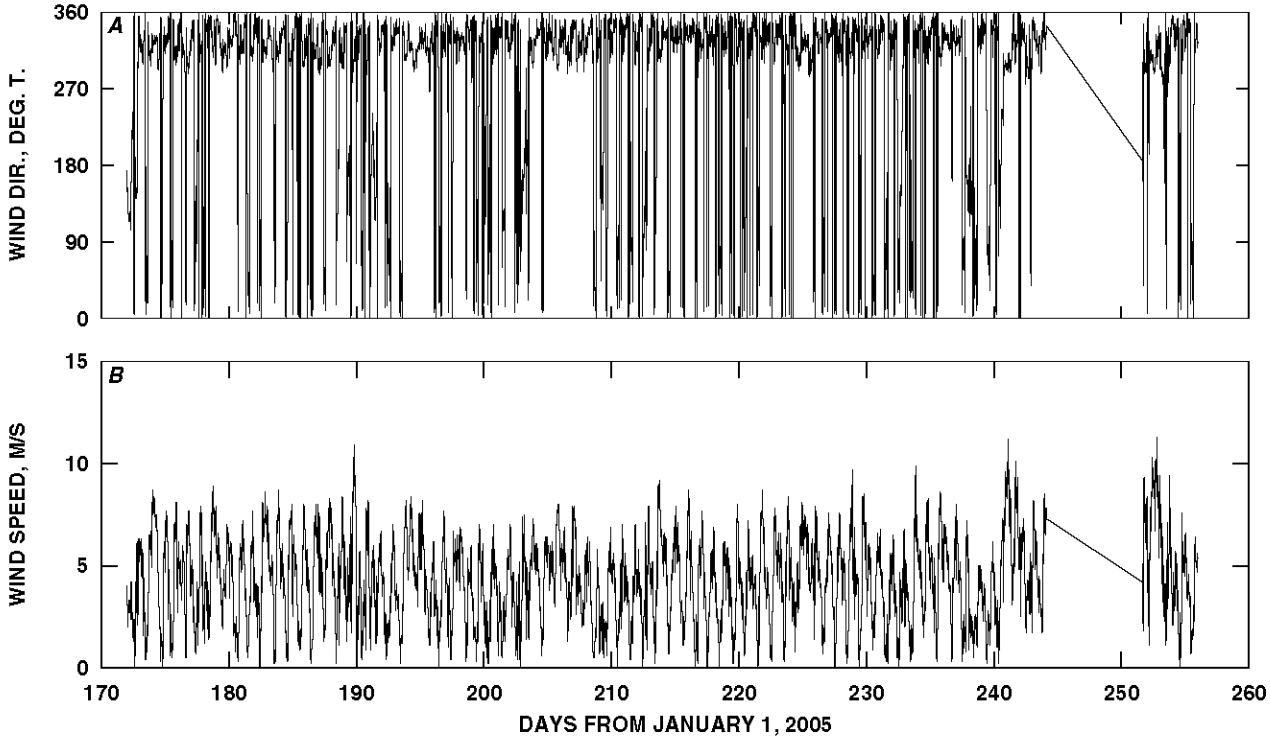

Figure G9. Wind speed and direction and air temperature at MDL site during ADCP deployment, 2005.

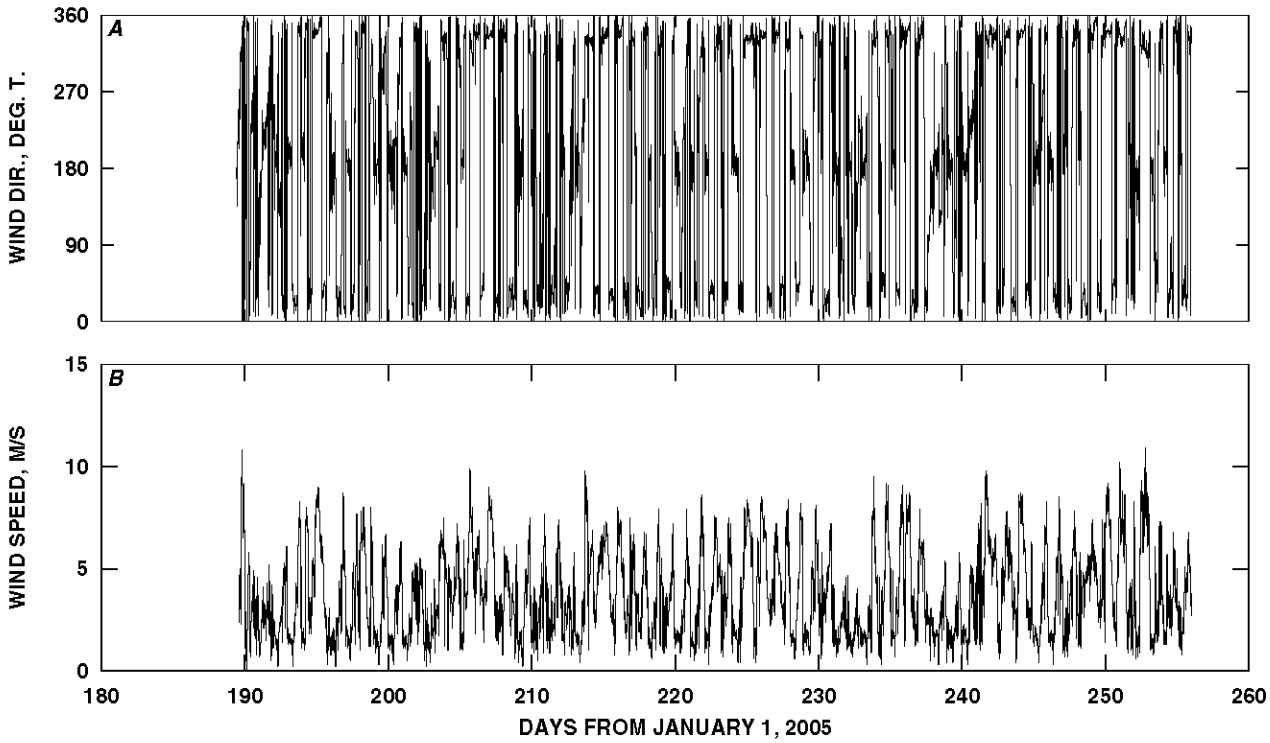

Figure G10. Wind speed and direction and air temperature at HDB site during ADCP deployment, 2005.

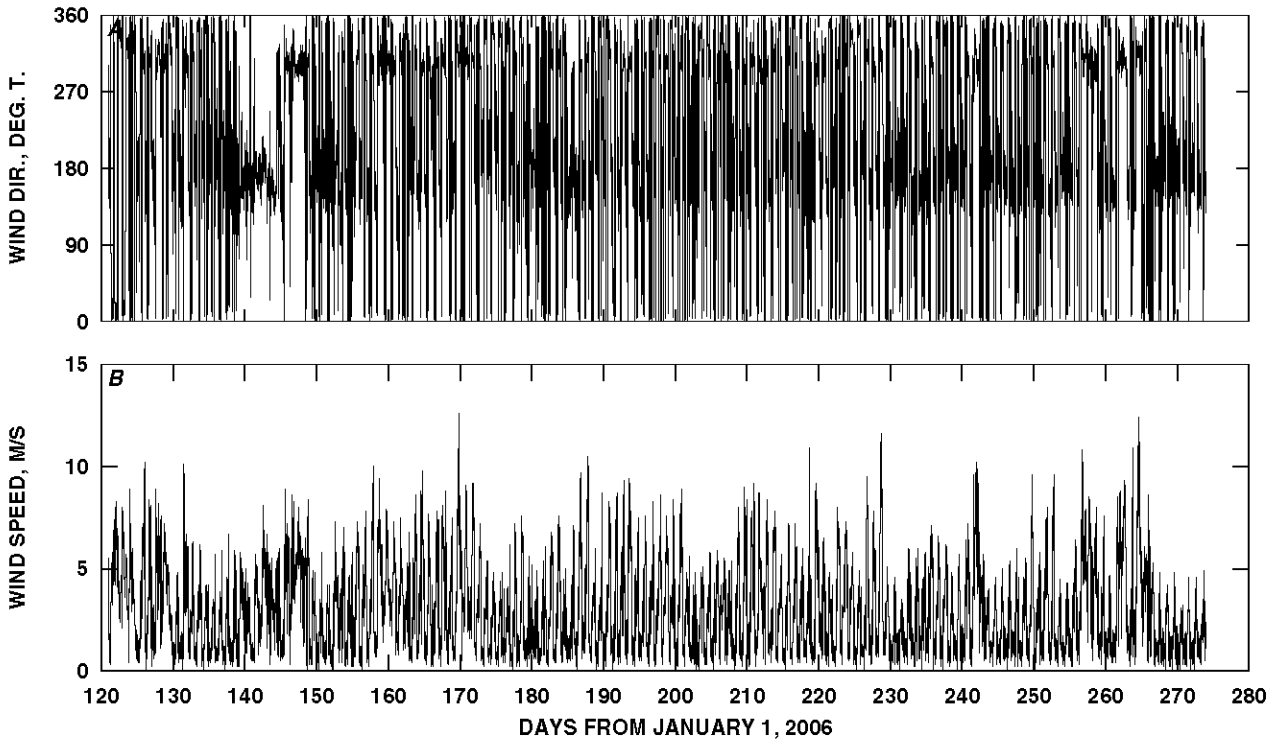

Figure G11. Wind speed and direction and air temperature at BLB site during ADCP deployment, 2006.

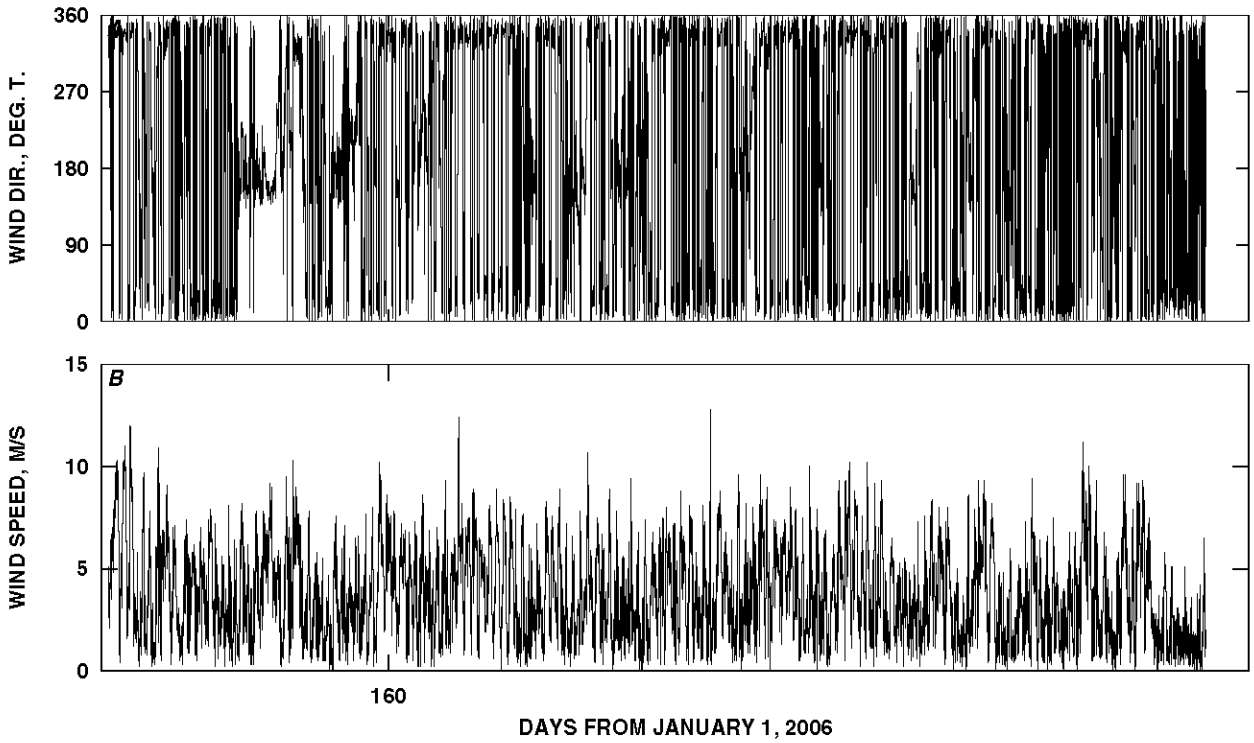

Figure G12. Wind speed and direction and air temperature at HDB site during ADCP deployment, 2006.

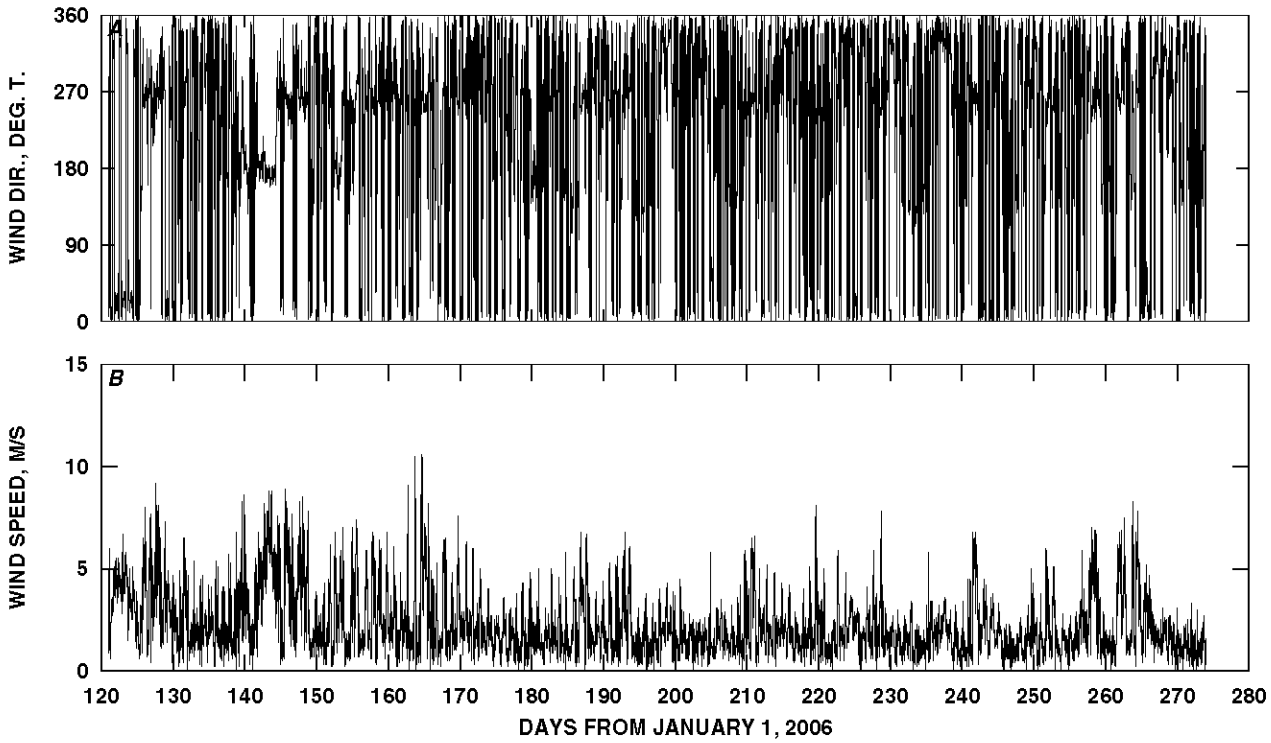

Figure G13. Wind speed and direction and air temperature at WMR site during ADCP deployment, 2006.

Appendix H – Bar graphs of Wind Speed (2005)

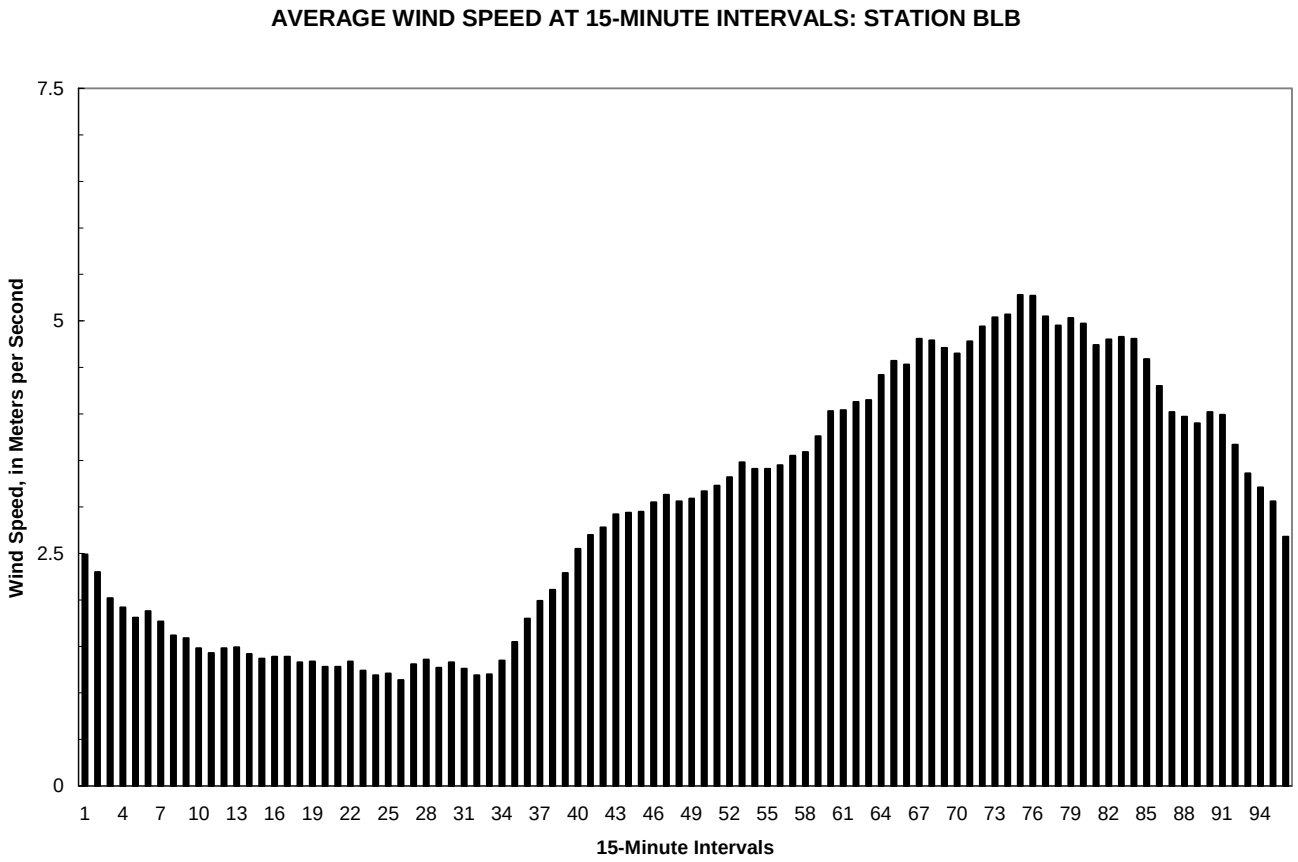

Figure H1. Bar graph of average wind speed at 15-minute interval at station BLB during ADCP deployment, 2005.

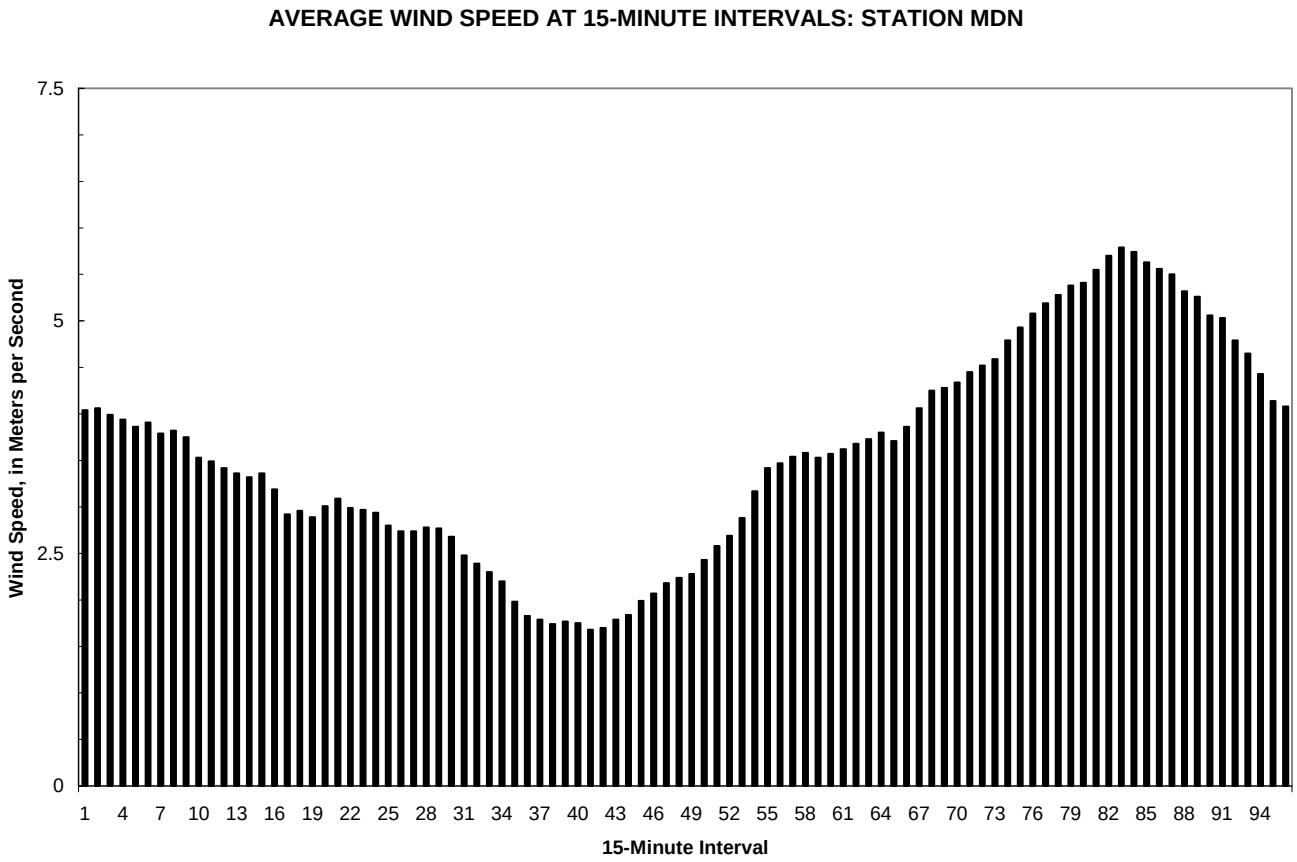

Figure H2. Bar graph of average wind speed at 15-minute interval at station MDN during ADCP deployment, 2005.

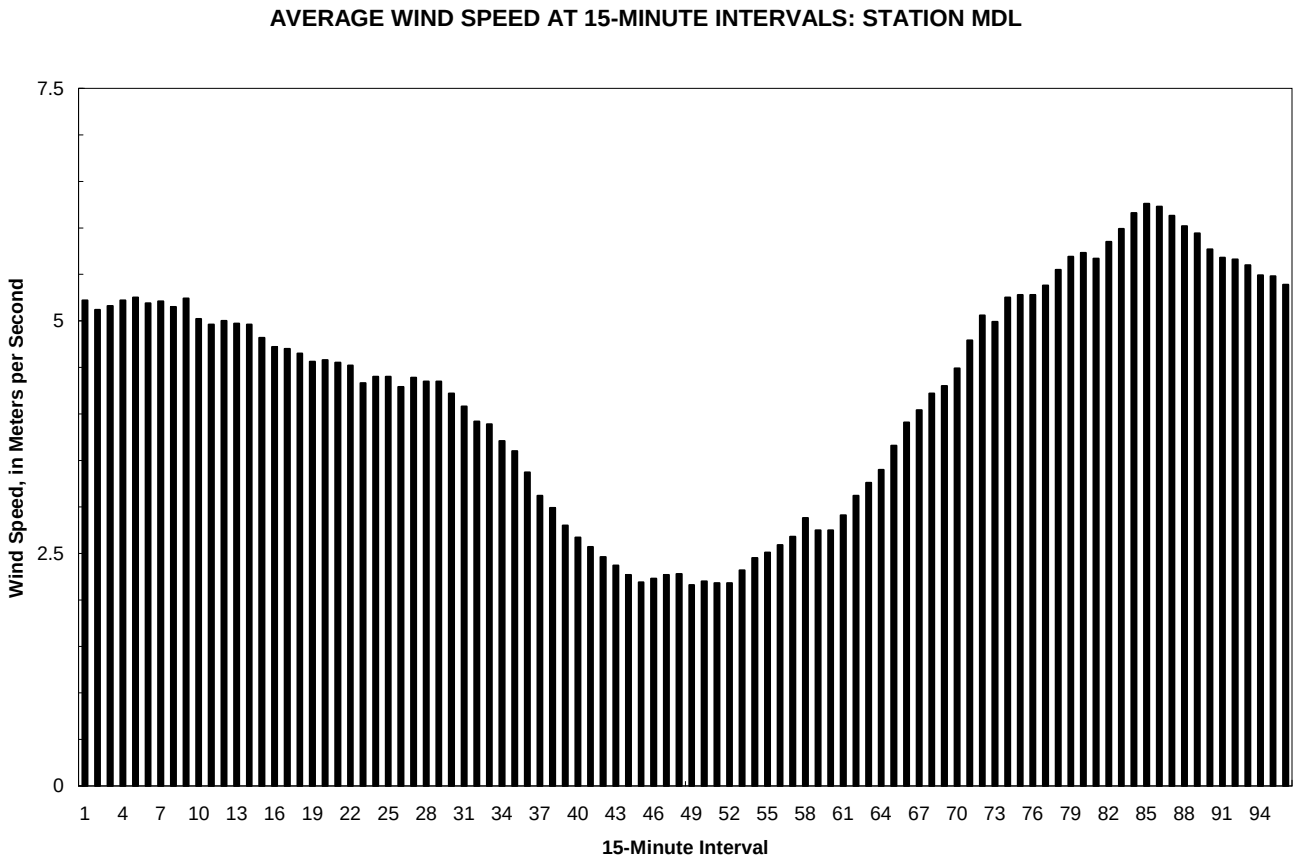

Figure H3. Bar graph of average wind speed at 15-minute interval at station MDL during ADCP deployment, 2005.

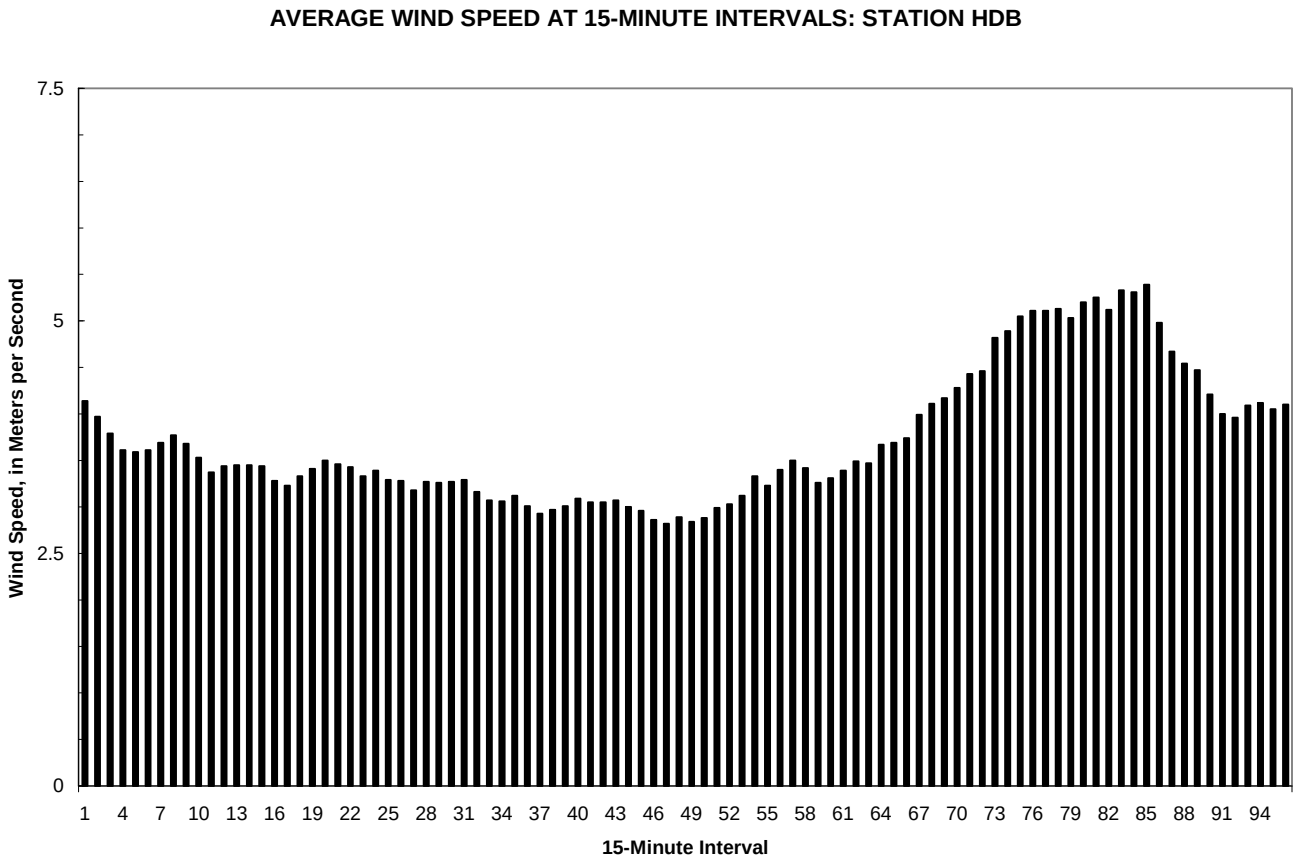

Figure H4. Bar graph of average wind speed at 15-minute interval at station HDB during ADCP deployment, 2005.