Missing Data Documentation

This document identifies data that are missing from the meteorological data set, 1982-1996. Missing data are noted in the individual data files by the presence of a ".". In instances where an explanation for the missing data is supplied by the Climatronics Meteorological System Log, the explanation is included here and the corresponding dates are indicated by an "*". For a complete log of problems and maintenance on the weather station, see the Climatronics Meteorological System Log notebook, which is held in a fireproof cabinet in the data management office at the Baruch Field Lab in Georgetown, SC. A copy of this log is also provided on-line along with the data set and this metadata.

1982

Wind Velocity:

June 4: 1100
June 6: 800
June 23: 1500 – July 21: 1100
Sept. 16: 800 – 1900
Sept. 21: 1900 – Sept. 22: 1200
Oct. 21: 2000 – Oct. 22: 1400
Nov. 22: 2200
Dec. 31: 2400

Max Wind Velocity:

No data available for 1982

Wind Direction:

June 4: 1100
June 6: 800
June 23: 1500 – July 21: 1100
Sept. 16: 800 – 1900
Sept. 21: 1900 – Sept. 22: 1200
Oct. 21: 2000 – Oct. 22: 1400
Nov. 22: 2200
Dec. 31: 2400

Air Temperature:

June 4: 1100
June 6: 800
June 23: 1500 – July 21: 1100
Sept. 16: 800 – 1900
Sept. 21: 1900 – Sept. 22: 1200
Oct. 21: 2000 – Oct. 22: 1400
Nov 22: 2200
Dec. 10: 300
Dec. 31: 1300 – 1700, 1900 – 2400

Water Temperature:

June 4: 1100
June 6: 800
June 11: 100 - July 21: 2400
Sept. 16: 800 – 1900
Sept. 21: 1900 – Sept. 22: 1200
Oct. 21: 2000 - Oct. 22: 1400
Nov. 22: 2200

Dec. 31: 2400

Solar Radiation (Eppley):

June 4: 1100
June 6: 800
June 23: 1500 – July 21: 1100
Sept. 16: 800 – 1900
Sept. 21: 1900 – Sept. 22: 1200
Oct. 21: 2000 – Oct. 22: 1400
Nov. 22: 2200
Dec. 31: 2400

Water Level:

June 4: 1100
June 6: 800
June 19: 1200 – 1300
June 20: 1300
June 23: 1500 – July 21: 1100
Aug. 21: 400, 1600
Sept. 16: 800 – 1900
Sept. 21: 1900 – Sept.22: 1200
Oct. 21: 2000 – Oct. 22: 1400
Nov. 22: 2200
Nov. 30: 100 – 200
Dec. 1: 200
Dec. 2: 300
Dec. 30: 200
Dec. 31: 2400

Conductivity:

June 4: 1100
June 6: 800
June 7: 700
June 13: 100 – July 21: 2400
Sept 16: 800 – Dec. 31: 2400

Barometric Pressure:

June 4: 1100
June 6: 800
June 18: 1600
June 19: 400
June 23: 1500 - Oct. 20, 2400
Oct. 21: 2000 - Oct. 22, 1400
Nov. 14: 400 - 900
Nov. 15: 2000 – 2300
Nov. 16: 600, 900
Nov. 17: 2200
Nov. 22: 2200
Nov. 25: 900 – 1200
Nov. 26: 100
Dec. 9: 2100 – Dec. 10: 100, 800
Dec. 14: 1000 – 1500
Dec. 22: 1100 – 1200
Dec. 23: 300
Dec. 26: 1300
Dec. 31: 2400

Solar Radiation (Licor):

No data available for 1982

1983

Wind Velocity:

Jan. 26: 2000 – Jan 27: 2000
Feb. 28: 1000
Mar. 6: 1300 – Mar. 15: 1000*
Mar. 16: 100 – Mar. 22: 2400*
*Malfunction. Test conducted on 3/15/83 pointed to a faulty recorder, which was subsequently disconnected and removed for repair on 3/16/83. The receiver was damaged by a voltage overload and removed and sent in for repair as well.
April 11: 1000
April 29: 700
May 4: 100 – May 6: 2400*
*Circuit breaker tripped on 5/4/83. Power was restored on 5/6/83.
July 7: 1700 – 2200*
*Changed magnetic tape and recording tape.
July 8: 100
July 19: 100 – Nov. 17: 1800*
*Malfunction in paper recorder on 7/19/83. Recorder wires disconnected.
*Continuing problems with wind velocity, on 7/25/83 noted that sensor was reading high.
*System repaired by John Berry from Climatronics on 11/16/83, restarted on 11/17/83.
Nov. 17: 2100
Nov. 24: 400
Nov. 25: 1600
Dec. 6: 700 – 800
Dec. 10: 400
Dec. 11: 2300
Dec. 12: 800
Dec. 20: 1400
Dec. 31: 2400

Max Wind Velocity:

No data available for 1983

Wind Direction:

Jan. 26: 2000 – Jan. 27: 2000
Feb. 28: 1000
Mar. 6: 100 – Mar. 22: 2400*
*Malfunction. Test conducted on 3/15/83 pointed to a faulty recorder, which was subsequently disconnected and removed for repair on 3/16/83. The receiver was damaged by a voltage overload and removed and sent in for repair as well.
April 11: 1000
May 4: 100 – May 6: 2400*
*Circuit breaker tripped on 5/4/83. Power was restored on 5/6/83.
July 7: 1700 – 2200*
*Changed magnetic tape and recording tape.
July 8: 100, 1400
July 19: 100 – Nov. 17: 1800, 2100*
*Malfunction in paper recorder on 7/19/83. Recorder wires disconnected.
*Continuing problems with wind direction, on 9/7/83 was stuck reading the same value.
*System repaired by John Berry from Climatronics on 11/16/83, restarted on 11/17/83.
Nov. 24: 400

Dec. 6: 700 – 800
Dec. 10: 400
Dec. 11: 2300
Dec. 12: 800
Dec. 31: 2400

Air Temperature:

Jan. 1: 100 – Mar. 25: 2400*
*Air temperature sensor was replaced on 3/25/83.
April 11: 1000
May 4: 100 – May 6: 2400*
*Circuit breaker tripped on 5/4/83. Power was restored on 5/6/83.
July 7: 1700 – 2200*
*Changed magnetic tape and recording tape.
July 8: 100, 1400
July 19: 1400 – July 22: 1400*
*Malfunction in paper recorder on 7/19/83.
July 26: 1200
Aug. 4: 1700
Aug. 23: 1600 – 2100
Sept. 2: 2400
Oct. 11: 800 – Oct. 13: 1900*
*System Test, changed tape on 10/13/83.
Oct. 19: 100, 300, 1600
Nov. 4: 600
Nov. 16: 1500 – Nov. 17: 1800*
*System repaired by John Berry from Climatronics on 11/16/83, restarted on 11/17/83.
Dec. 6: 700 – 800
Dec. 10: 400
Dec. 11: 2300
Dec. 25 100
Dec. 26: 600
Dec. 31: 2400

Water Temperature:

Jan. 26: 2000 – Jan. 27: 2000
Feb. 28: 1000
Mar. 6: 1300 – Mar. 15: 1000*
Mar. 16: 100 – Mar. 22: 2400*
*Malfunction. Test conducted on 3/15/83 pointed to a faulty recorder, which was subsequently disconnected and removed for repair on 3/16/83. The receiver was damaged by a voltage overload and removed and sent in for repair as well.
April 11: 1000
May 4: 100 – May 6: 2400*
*Circuit breaker tripped on 5/4/83. Power was restored on 5/6/83.
May 21: 200
May 23: 100 – May 27: 2400*
*Wild fluctuations in water temperature, data censored.
June 16: 100 – July 6: 2400
July 7: 1700 – Nov. 17: 1800*, 2100
*Changed magnetic tape and recording tape on 7/7/83.
*Malfunction in paper recorder on 7/19/83. Recorder wires disconnected.
*On 9/1/83 a system test detected broken sensors for conductivity, water temp, and water level – the cards for each were removed.
*System repaired by John Berry from Climatronics on 11/16/83, restarted on 11/17/83.
Dec. 6: 700 – 800

Dec. 10: 400
Dec. 11: 2300
Dec. 31: 2400

Solar Radiation (Eppley):

Jan. 26: 2000 – Jan. 27: 2000
Feb. 28: 1000
Mar. 6: 1300 – Mar. 15: 1000*
Mar. 16: 100 – Mar. 22: 2400*
*Malfunction. Test conducted on 3/15/83 pointed to a faulty recorder, which was subsequently disconnected and removed for repair on 3/16/83. The receiver was damaged by a voltage overload and removed and sent in for repair as well.
April 11: 1000
April 13: 200
May 4: 100 – May 6: 2400*
*Circuit breaker tripped on 5/4/83. Power was restored on 5/6/83.
May 21: 200
June 27: 900
July 7: 1700 – 2200*
*Changed magnetic tape and recording tape.
July 8: 100, 1400
July 19: 1300 – July 22: 1400*
*Malfunction in paper recorder on 7/19/83.
July 26: 1200
Aug. 4: 1700
Aug. 23: 1600 – 2100
Sept. 2: 2400
Oct. 11: 800 – Oct. 13: 1900*
*System Test, changed tape on 10/13/83.
Oct. 19: 100, 400, 1600
Nov. 4: 600
Nov. 16: 1500 – Nov. 17: 1800*
*System repaired by John Berry from Climatronics on 11/16/83, restarted on 11/17/83.
Nov. 17: 2100
Dec. 6: 700 – 800
Dec. 10: 400
Dec. 11: 2300
Dec. 31: 2400

Water Level:

Jan. 26: 2000 – Jan. 27: 2000
Feb. 3: 1900 – 2000
Feb. 28: 1000
Mar. 1: 1600
Mar. 16: 100 – Mar. 22: 2400*
*Malfunction. Test conducted on 3/15/83 pointed to a faulty recorder, which was subsequently disconnected and removed for repair on 3/16/83. The receiver was damaged by a voltage overload and removed and sent in for repair as well.
Mar. 29: 300
April 11: 1000
April 13: 200
April 24: 2400 – April 25: 100
April 25: 1300
April 27: 1400
April 28: 300, 1500
May 4: 100 – May 6: 2400*

*Circuit breaker tripped on 5/4/83. Power was restored on 5/6/83.

May 14: 1500
May 15: 400, 1600
May 17: 100 – May 20: 2400*
*Water level probe down on 5/17/83, replacement probe was installed on 5/20/83
May 21: 200
June 27: 900
July 7: 1700 – 2200*
*Changed magnetic tape and recording tape.
July 8: 100, 1400
July 19: 1300 – July 22: 1400*
*Malfunction in paper recorder on 7/19/83.
July 26: 1200
Aug. 1: 700
Aug. 4: 1700
Aug. 6: 100 – Nov. 17: 1800*, 2100
*On 9/1/83 a system test detected broken sensors for conductivity, water temp, and water level – the cards for each were removed.
*System repaired by John Berry from Climatronics on 11/16/83, restarted on 11/17/83.
Dec. 6: 700 – 800
Dec. 10: 400
Dec. 11: 2300
Dec. 31: 2400

Conductivity:

Jan. 1: 100 – Nov. 17: 1700*, 2100
*On 9/1/83 a system test detected broken sensors for conductivity, water temp, and water level – the cards for each were removed.
*System repaired by John Berry from Climatronics on 11/16/83, restarted on 11/17/83.
Nov. 26: 500
Nov. 29: 300
Dec. 1: 1600
Dec. 6: 700 – 800
Dec. 10: 400
Dec. 11: 2300
Dec. 15: 800
Dec. 18: 600
Dec. 31: 2400

Barometric Pressure:

Jan. 12: 100
Jan. 16: 2200 – 2300
Jan. 17: 2100 – 2300
Jan. 18: 500 – 600
Jan. 26: 2000 – Jan. 27: 2000
Feb. 2: 1900, 2200
Feb. 3: 400
Feb. 12: 2100 – 2400
Feb. 21: 1000 – 1200
Feb. 28: 1000
Mar. 1: 1600
Mar. 6: 2400
Mar. 16: 100 – Mar. 22: 2400*
*Malfunction. Test conducted on 3/15/83 pointed to a faulty recorder, which was subsequently disconnected and removed for repair on 3/16/83. The receiver was damaged by a voltage overload and removed and sent in for repair as well.

Mar. 24: 1400, 2100
April 11: 1000
April 13: 200
April 14: 400
April 15: 600
April 18: 1500
April 21: 1900
April 23: 1600
April 29: 700
May 4: 100 – May 6: 2400*
*Circuit breaker tripped on 5/4/83. Power was restored on 5/6/83.
May 13: 600
May 21: 200
May 22: 2300
June 26: 1900
June 27: 900, 2300
July 7: 1700 – 2200*
*Changed magnetic tape and recording tape.
July 8: 100, 1400
July 19: 1400 – July 22: 1400*
*Malfunction in paper recorder on 7/19/83.
July 26: 1200
July 31: 1100, 1800
Aug. 1: 700
Aug. 2: 1800
Aug. 4: 1700
Aug. 6: 100
Aug. 23: 1600 – 2100
Aug. 25: 1200
Sept. 2: 2400
Oct. 11: 800 – Oct. 13: 1900*
* System Test, changed tape on 10/13/83.
Oct. 19: 100, 400, 1600
Oct. 28: 2200
Oct. 31: 800 – 1200
Nov. 1: 800 – 1700, 2000 – 2100
Nov. 4: 600
Nov. 7: 200
Nov. 16: 1500 – Nov. 17: 1800*, 2100
*System repaired by John Berry from Climatronics on 11/16/83, restarted on 11/17/83.
Nov. 18: 200
Dec. 1: 1600
Dec. 6: 700 – 800
Dec. 10: 400
Dec. 11: 2200 – 2300
Dec. 21: 2000 – 2100
Dec. 30: 2000 – 2400
Dec. 31: 200, 900 – 1100, 2400

Solar Radiation (Licor):
No data available for 1983

1984

Wind Velocity:
Jan. 1: 300 – 400

Jan. 2: 1600
Jan. 12: 500
Jan. 13: 1600
Jan. 19: 2100
Jan. 24: 2100
Jan. 28: 2200
Jan. 31: 1200
Feb. 14: 900
Feb. 19: 200
Feb. 20: 1100
Feb. 22: 2300
Feb. 27: 900
Mar. 14: 600, 2200
Mar. 20: 600
Mar. 25: 500
Mar. 26: 300, 500, 900, 2100
Mar. 27: 1000, 1200
Mar. 28: 900, 2100
Mar. 29: 200, 1400, 1700, 2000, 2400 – Mar. 30: 100, 500 - 600, 1300, 1800
April 2: 1500, 1900, 2400
April 3: 1200, 2400
April 4: 600
April 5: 1100, 1600 – 1900, 2100
April 21: 1700
April 22: 600
April 25: 400, 900, 1800, 2300
April 26: 700, 2100
April 28: 2000
May 1: 1000, 2000
May 4: 800 – 1200*

*The data acquisition system (IMP 803) locked up on 5/4/84. The system was powered down, then up, reprogrammed, and restarted. There was no apparent damage to the system despite heavy thunderstorms the previous night.

May 6: 2100
May 7: 2300
May 8: 2100 – July 16: 2400*

*Found the data acquisition system locked up on 5/11/84. The clock had stopped. Determined that the power supply was faulty and sent along with receiver to Climatronics for repair.

*Received power supply and receiver back from Climatronics and reinstalled and 6/21/84. System still not functioning properly.

*Transmitter reinstalled and system restarted on 7/16/84.

July 17: 1200, 2000 – 2100
July 19: 300, 2200
July 20: 700
July 21: 1100
July 30: 300
Aug. 2: 1400
Aug. 6: 800
Aug. 9: 1300, 1800
Aug. 11: 400
Aug. 13: 100 – Oct. 30: 1000, 1200 – 1600*

*Noticed receiver card was not lit on 8/13/84, system not functioning.

*Sent entire IMP 803 to Climatronices for installation of RS 232 and repair on 8/21/84.

*System restarted on 10/30/84

Nov. 14: 1200

Nov. 15: 1200 – 1400*
*System test on 11/15/84.
Nov. 20: 1400 – 1500, 1800
Nov. 23: 100 – Nov. 26: 1000*
*System locked up on 11/23/84 and reprogrammed on 11/26/84.
Dec. 1: 1900 – Dec. 3: 1400, 1800 – 2000, 2200 – 2300*
*Noticed system was locked up on 12/3/84, restarted and reprogrammed.

Max Wind Velocity:
No data available for 1984

Wind Direction:
Jan. 1: 300 – 400
Jan. 2: 1600
Jan. 12: 500
Jan. 13: 1600
Jan. 19: 2100
Jan. 24: 2100
Jan. 28: 2200
Jan. 31: 1200
Feb. 14: 900
Feb. 19: 200
Feb. 20: 1100
Feb. 22: 2300
Feb. 27: 900
Mar. 14: 600, 2200
Mar. 20: 600
Mar. 25: 500
Mar. 26: 300, 500, 900, 2100
Mar. 27: 1000, 1200
Mar. 28: 900, 2100
Mar. 29: 200, 1400, 1700, 2000, 2400 – Mar. 30: 100, 500 – 600, 1300, 1800
April 2: 1500, 1900, 2400
April 3: 2400
April 4: 600
April 5: 1100, 1600 – 1900, 2100
April 17: 2300
April 21: 1700
April 22: 600
April 25: 400, 900, 1800
April 26: 700, 2100
April 28: 2000
May 1: 1000, 2000
May 4: 800 – 1200*
*The data acquisition system (IMP 803) locked up on 5/4/84. The system was powered down, then up, reprogrammed, and restarted. There was no apparent damage to the system despite heavy thunderstorms the previous night.
May 6: 2100
May 7: 2300
May 8: 2100 – July 16: 2400*
*Found the data acquisition system locked up on 5/11/84. The clock had stopped. Determined that the power supply was faulty and sent along with receiver to Climatronics for repair.
*Received power supply and receiver back from Climatronics and reinstalled and 6/21/84. System still not functioning properly.
*Transmitter reinstalled and system restarted on 7/16/84.

July 17: 1200, 2000 – 2100
July 19: 300, 2200
July 20: 700
July 21: 1100
July 30: 300
Aug. 2: 1400
Aug. 6: 800
Aug. 9: 1300, 1800
Aug. 11: 400
Aug. 13: 100 – Oct. 30: 1000, 1200 – 1600*
*Noticed receiver card was not lit on 8/13/84, system not functioning.
*Sent entire IMP 803 to Climatronices for installation of RS 232 and repair on 8/21/84.
*System restarted on 10/30/84
Nov. 14 1200
Nov. 15 1200 – 1400*
*System test on 11/15/84.
Nov. 20: 1400 – 1500, 1800
Nov. 23: 100 – Nov. 26: 1000*
*System locked up on 11/23/84 and reprogrammed on 11/26/84.
Nov. 30: 1200 – Dec. 3: 1400*, 1800 – 2000, 2200 – 2300
*On 11/30/84 at 1200 wind direction began outputting the wrong values, at the same time, the RS 232 output omitted wind direction.
*Noticed system was locked up on 12/3/84, restarted and reprogrammed.

Air Temperature:
Jan. 1: 300 – 400
Jan. 2: 1600
Jan. 12: 500
Jan. 13: 1600
Jan. 19: 2100
Jan. 24: 2100
Jan. 28: 2200
Jan. 31: 1200
Feb. 14: 900
Feb. 19: 200
Feb. 20: 1100
Feb. 22: 2300
Feb. 27: 900
Mar. 14: 600, 2200
Mar. 20: 600
Mar. 25: 500
Mar. 26: 300, 500, 900, 2100
Mar. 27: 1000, 1200
Mar. 28: 2100
Mar. 29: 200, 1400, 1700, 2000, 2400 – Mar. 30: 100, 500 – 600, 1300, 1800
April 2: 1500, 1900, 2400
April 3: 2400
April 4: 600
April 4: 600
April 5: 1100, 1600 – 1900, 2100
April 17: 2300
April 21: 1700
April 22: 600
April 25: 400, 900, 1800
April 26: 700, 2100
April 28: 2000

May 1: 1000, 2000
May 4: 800 – 1200*
*The data acquisition system (IMP 803) locked up on 5/4/84. The system was powered down, then up, reprogrammed, and restarted. There was no apparent damage to the system despite heavy thunderstorms the previous night.
May 6: 2100
May 7: 2300
May 8: 2100 – July 16: 2400*
*Found the data acquisition system locked up on 5/11/84. The clock had stopped. Determined that the power supply was faulty and sent along with receiver to Climatronics for repair.
*Received power supply and receiver back from Climatronics and reinstalled and 6/21/84. System still not functioning properly.
*Transmitter reinstalled and system restarted on 7/16/84.
July 17: 1200, 2000 – 2100
July 18: 100
July 19: 300, 2200
July 20: 700
July 21: 1100
July 30: 300
Aug. 2: 1400
Aug. 6: 800
Aug. 9: 1300, 1800
Aug. 11: 400
Aug. 13: 100 – Oct. 30: 1000*, 1200 – 1600
*Noticed receiver card was not lit on 8/13/84, system not functioning.
*Sent entire IMP 803 to Climatronices for installation of RS 232 and repair on 8/21/84.
*System restarted on 10/30/84
Nov. 14 1200
Nov. 15 1200 – 1400*
*System test on 11/15/84.
Nov. 20: 1400 – 1500, 1800
Nov. 23: 100 – Nov. 26: 1000*
*System locked up on 11/23/84 and reprogrammed on 11/26/84.
Dec. 1: 1900 – Dec. 3: 1400, 1800 – 2000, 2200 – 2300*
*Noticed system was locked up on 12/3/84, restarted and reprogrammed.
Dec. 6: 1700 – Dec. 7: 1000*
*Air Temp debugged and reprogrammed.

Water Temperature:
Jan. 1: 300 – 400
Jan. 2: 1600
Jan. 12: 500
Jan. 13: 1600
Jan. 19: 2100
Jan. 24: 2100
Jan. 28: 2200
Jan. 31: 1200
Feb. 14: 900
Feb. 19: 200
Feb. 20: 1100
Feb. 27: 900
Mar. 14: 600, 2200
Mar. 19: 2400
Mar. 20: 600
Mar. 25: 500

Mar. 26: 300, 500, 900, 2100
Mar. 27: 1000, 1200
Mar. 28: 2100
Mar. 29: 200, 1400, 1700, 2000, 2400 – Mar. 30: 100, 500 – 600, 1300, 1800
April 2: 1500, 1900, 2400
April 3: 2400
April 4: 600
April 5: 1100, 1600 – 1900, 2100
April 21: 1700
April 22: 600
April 25: 400, 900, 1800
April 26: 700, 2100
April 28: 2000
May 1: 1000, 2000
May 4: 800 – 1200*

*The data acquisition system (IMP 803) locked up on 5/4/84. The system was powered down, then up, reprogrammed, and restarted. There was no apparent damage to the system despite heavy thunderstorms the previous night.

May 6: 2100
May 7: 2300
May 8: 2100 – July 16: 2400*

*Found the data acquisition system locked up on 5/11/84. The clock had stopped. Determined that the power supply was faulty and sent along with receiver to Climatronics for repair.

*Received power supply and receiver back from Climatronics and reinstalled and 6/21/84. System still not functioning properly.

*Transmitter reinstalled and system restarted on 7/16/84.

July 17: 1200, 2000 – 2200
July 18: 100
July 19: 300, 2200
July 20: 700
July 21: 1100
July 30: 300
Aug. 2: 1400
Aug. 3: 500
Aug. 6: 800
Aug. 9: 1300, 1800
Aug. 11: 400
Aug. 13: 100 – Dec. 3: 2400*

*Noticed receiver card was not lit on 8/13/84, system not functioning.

*Sent entire IMP 803 to Climatronices for installation of RS 232 and repair on 8/21/84.

*System restarted on 10/30/84, but water temp card and probe have not been reinstalled.

*Noticed system was locked up on 12/3/84, restarted and reprogrammed. Installed new Water Temp probe.

Solar Radiation (Eppley):

Jan. 1: 300 – 400
Jan. 2: 1600
Jan. 12: 500
Jan. 13: 1600
Jan. 19: 2100
Jan. 24: 2100
Jan. 28: 2200
Feb. 14: 900
Feb. 19: 200

Feb. 20: 1100
Feb. 27: 900
Mar. 14: 600, 2200
Mar. 20: 600
Mar. 25: 500
Mar. 26: 300, 500, 900, 2100
Mar. 27: 1000, 1200
Mar. 28: 2100
Mar. 29: 200, 1400, 1700, 2000, 2400 – Mar. 30: 100, 500 - 600, 1300, 1800
April 2: 1500, 1900, 2400
April 3: 2400
April 5: 1100, 1600 – 1900, 2100
April 21: 1700
April 22: 600
April 25: 400, 900, 1800
April 26: 700, 2100
April 28: 2000
May 1: 1000, 2000
May 4: 800 – 1200*

*The data acquisition system (IMP 803) locked up on 5/4/84. The system was powered down, then up, reprogrammed, and restarted. There was no apparent damage to the system despite heavy thunderstorms the previous night.

May 6: 2100
May 7: 2300
May 8: 2100 – July 16: 2400*

*Found the data acquisition system locked up on 5/11/84. The clock had stopped. Determined that the power supply was faulty and sent along with receiver to Climatronics for repair.

*Received power supply and receiver back from Climatronics and reinstalled and 6/21/84. System still not functioning properly.

*Transmitter reinstalled and system restarted on 7/16/84.

July 17: 1200, 2000 – 2100
July 18: 100
July 19: 300, 2200
July 20: 700
July 21: 1100
July 30: 300
Aug. 2: 1400
Aug. 6: 800
Aug. 9: 1300, 1800
Aug. 11: 400
Aug. 13: 100 – Oct. 30: 1000*, 1200 – 1600

*Noticed receiver card was not lit on 8/13/84, system not functioning.

*Sent entire IMP 803 to Climatronices for installation of RS 232 and repair on 8/21/84.

*System restarted on 10/30/84

Nov. 14: 1200
Nov. 15: 1200 – 1400*

*System test on 11/15/84.

Nov. 20: 1400 – 1500, 1800
Nov. 23: 100 – Nov. 26: 1000*

*System locked up on 11/23/84 and reprogrammed on 11/26/84.

Dec. 1: 1900 – Dec. 3: 1400, 1800 – 2000, 2200 – 2300*

*Noticed system was locked up on 12/3/84, restarted and reprogrammed.

Water Level:

Jan. 1: 300 – 400

Jan. 2: 1600
Jan. 10: 1300
Jan 12: 500
Jan. 13: 1600
Jan. 19: 2100
Jan. 24: 2100
Jan. 28: 2200
Feb. 14: 900
Feb. 19: 200, 1500 - 1600
Feb. 20: 1100
Feb. 24: 1200
Feb. 27: 900
Mar. 14: 600, 2200
Mar. 19: 2400
Mar. 20: 600
Mar. 25: 500
Mar. 26: 300, 500, 900, 2100
Mar. 27: 1000, 1200
Mar. 28: 2100
Mar. 29: 200 – 300, 1400, 1700, 2000, 2400 – Mar. 30: 100, 500 – 600, 1300, 1800
April 2: 1500, 1900, 2400
April 3: 300, 1000 - 1100, 2400
April 5: 1100, 1600 – 1900, 2100
April 6: 2200
April 17: 1600
April 21: 1700
April 22: 600, 2000
April 25: 400, 900, 1800
April 26: 700, 2100
April 27: 1400
April 28: 2000
May 1: 1000, 2000
May 4: 800 – 1200*

*The data acquisition system (IMP 803) locked up on 5/4/84. The system was powered down, then up, reprogrammed, and restarted. There was no apparent damage to the system despite heavy thunderstorms the previous night.

May 6: 2100
May 7: 2300
May 8: 500, 2100 – July 16: 2400*

*Found the data acquisition system locked up on 5/11/84. The clock had stopped. Determined that the power supply was faulty and sent along with receiver to Climatronics for repair.

*Received power supply and receiver back from Climatronics and reinstalled and 6/21/84. System still not functioning properly.

*Transmitter reinstalled and system restarted on 7/16/84.

July 17: 1200, 2000 – 2200
July 18: 700 - 800
July 19: 300, 1800, 2200
July 20: 700, 1700
July 21: 1100
July 29: 500
July 30: 300
Aug. 1: 1700
Aug. 2: 1400
Aug. 5: 1600
Aug. 6: 800

Aug. 9: 1300, 1800
Aug. 11: 400
Aug. 13: 100 – Oct. 30: 1000*, 1200 – 1600
*Noticed receiver card was not lit on 8/13/84, system not functioning.
*Sent entire IMP 803 to Climatronices for installation of RS 232 and repair on 8/21/84.
*System restarted on 10/30/84
Nov. 9: 1400 - Nov. 14: 1200
Nov. 15: 1200 – 1400*
*System test on 11/15/84.
Nov. 20: 1400 – 1500, 1800
Nov. 23: 100 – Nov. 26: 1000*
*System locked up on 11/23/84 and reprogrammed on 11/26/84.
Dec. 1: 1900 – Dec. 3: 1400, 1800 – 2300*
*Noticed system was locked up on 12/3/84, restarted and reprogrammed.

Conductivity:

Jan. 1: 300 – 400
Jan. 2: 1600
Jan. 10: 1300
Jan 12: 500
Jan. 13: 1600
Jan. 19: 2100
Jan. 24: 2100
Jan. 28: 2200
Feb. 7: 1900
Feb. 14: 900
Feb. 19: 200, 1500 - 1600
Feb. 20: 1100
Feb. 21: 100
Feb. 24: 100 – Mar. 1: 2400
Mar. 14: 600, 2200
Mar. 19: 2400
Mar. 20: 600
Mar. 25: 500
Mar. 26: 300, 500, 900, 2100
Mar. 27: 1000, 1200
Mar. 28: 2100
Mar. 29: 200 – 300, 1400, 1700, 2000, 2400 – Mar. 30: 100, 500 – 600, 1300, 1800
April 1: 2000
April 2: 1500, 1900, 2400
April 3: 300, 1000 - 1100, 2400
April 4: 300
April 5: 1100, 1600 – 1900, 2100
April 6: 2200
April 11: 900
April 17: 1200, 1600
April 21: 1700
April 22: 600, 2000
April 25: 400, 900, 1800
April 26: 700, 2100
April 27: 1400
April 28: 2000
May 1: 1000, 2000
May 4: 800 – 1200*

*The data acquisition system (IMP 803) locked up on 5/4/84. The system was powered down, then up, reprogrammed, and restarted. There was no apparent damage to the system despite heavy thunderstorms the previous night.

May 6: 2100
May 7: 2300
May 8: 500, 2100 – July 16: 2400*

*Found the data acquisition system locked up on 5/11/84. The clock had stopped. Determined that the power supply was faulty and sent along with receiver to Climatronics for repair.

*Received power supply and receiver back from Climatronics and reinstalled and 6/21/84. System still not functioning properly.

*Transmitter reinstalled and system restarted on 7/16/84.

July 17: 1200, 1800, 2000 – 2100
July 18: 200, 700
July 19: 300, 1800, 2200
July 20: 700, 1700
July 21: 1100
July 24: 900
July 30: 300
Aug. 1: 1700
Aug. 2: 1400
Aug. 4: 2400
Aug. 6: 800
Aug. 9: 1300, 1800
Aug. 11: 400
Aug. 13: 100 – Dec. 31: 2400*

*Noticed receiver card was not lit on 8/13/84, system not functioning.

*Sent entire IMP 803 to Climatronices for installation of RS 232 and repair on 8/21/84.

*System restarted on 10/30/84, but conductivity probe remains down.

Barometric Pressure:

Jan. 1: 300 – 400, 900 - 1200
Jan. 2: 1600
Jan. 7: 2400
Jan. 10: 1300
Jan 12: 500
Jan. 13: 1600
Jan. 16: 1400
Jan. 19: 2100
Jan. 21: 2300 – 2400
Jan. 22: 300 – 2300*

*High barometric pressure readings noted on 1/23/84, censored data.

Jan. 24: 2100
Jan. 27: 800
Jan. 28: 2200
Feb. 7: 1900
Feb. 14: 900
Feb. 19: 200, 800 – 900, 1500 - 1600
Feb. 20: 1100
Feb. 24: 1200
Feb. 27: 900
Mar. 12: 800
Mar. 14: 600, 2200
Mar. 18: 1400
Mar. 19: 2400
Mar. 20: 600

Mar. 25: 500
Mar. 26: 300, 500, 900, 2100
Mar. 27: 1000, 1200, 2400
Mar. 28: 2100
Mar. 29: 200, 1400, 1700, 2000, 2400 – Mar. 30: 100, 500 – 600, 1300, 1800
April 1: 2000
April 2: 1400 - 1500, 1900, 2400
April 3: 300, 1000 - 1100, 2400
April 4: 300, 1900
April 5: 900, 1100, 1300, 1600 – 1900, 2100
April 6: 2200
April 11: 900
April 16: 1400, 1800
April 17: 1200, 1600
April 20: 1800
April 21: 1700
April 22: 600, 2000 – 2100
April 23: 1600, 2200
April 24: 200
April 25: 400, 900, 1800
April 26: 700, 2100
April 27: 1400
April 28: 2000
April 30: 500
May 1: 1000, 2000
May 4: 400, 800 – 1200*

*The data acquisition system (IMP 803) locked up on 5/4/84. The system was powered down, then up, reprogrammed, and restarted. There was no apparent damage to the system despite heavy thunderstorms the previous night.

May 6: 1400, 2100
May 7: 2300
May 8: 2100 – July 16: 2400*

*Found the data acquisition system locked up on 5/11/84. The clock had stopped. Determined that the power supply was faulty and sent along with receiver to Climatronics for repair.

*Received power supply and receiver back from Climatronics and reinstalled and 6/21/84. System still not functioning properly.

*Transmitter reinstalled and system restarted on 7/16/84.

July 17: 1200, 2000 – 2100
July 19: 300, 2200
July 20: 700,
July 21: 1100
July 22: 2400
July 23: 800
July 30: 300
Aug. 2: 1400, 1800
Aug. 3: 2300
Aug. 4: 2400
Aug. 5: 1600
Aug. 6: 800
Aug. 9: 1300, 1800
Aug. 11: 400
Aug. 13: 100 – Dec. 31: 2400*

*Noticed receiver card was not lit on 8/13/84, system not functioning.

*Sent entire IMP 803 to Climatronices for installation of RS 232 and repair on 8/21/84.

*Removed barometric pressure sensor on 12/3/84.

Solar Radiation (Licor):

No data available for 1984

1985

Wind Velocity:

Jan. 23: 1600 – Jan. 24: 1100*

*System down due to power failure. Noticed on 1/24/85, reprogrammed.

Feb. 6: 500 – 900

Mar. 4: 800 – 900*

*System went down and was reprogrammed.

April 15: 800*

*System test.

May 17: 1000 – 1100, 1500 – June 5: 1100*

*System down, transmitter and receiver cards sent to Climatronics to be checked. Receiver returned by Climatronics, reprogrammed system, up and running on 6/5/85.

June 20: 1000

July 8: 2400 – July 19: 2400*

*Noticed faulty readings on IMP and no receiver light on 7/9/85, bad breaker switch at remote site.

*Continuing problems with system on 7/11/85 due to electrical storm, transmitter card was burned by lightning and sent to Climatronics for repairs.

*Transmitter card repaired and returned, system is up and running on 7/19/85.

Aug. 8: 100 – Sept. 3: 2400*

*Wind velocity malfunction on 8/8/85. Anemometer repaired and new probes installed on 9/3/85

Oct. 1: 100 – Oct. 10: 2400*

*System down, some data may have been censored. Exchanged receiver and transmitter cards on 10/10/85. System up and running on 10/11/85.

Nov. 20: 100 – Nov. 21: 2400*

*System malfunction, up and running on 11/22/85.

Max Wind Velocity:

No data available for 1985

Wind Direction:

Jan. 23: 1600 – Jan. 24: 1100*

*System down due to power failure. Noticed on 1/24/85, reprogrammed.

Mar. 2: 900 – Mar. 4: 900*

*System went down and was reprogrammed.

April 15: 800*

*System test.

May 17: 1000 – 1100, 1500 – June 5: 1100*

*System down, transmitter and receiver cards sent to Climatronics to be checked. Receiver returned by Climatronics, reprogrammed system, up and running on 6/5/85.

June 20: 1000

July 9: 100 – July 19: 2400*

*Noticed faulty readings on IMP and no receiver light on 7/9/85, bad breaker switch at remote site.

*Continuing problems with system on 7/11/85 due to electrical storm, transmitter card was burned by lightning and sent to Climatronics for repairs.

*Transmitter card repaired and returned, system is up and running on 7/19/85.

Aug. 8: 100 – Sept. 3: 2400*

*Wind direction malfunction on 8/8/85. Anemometer repaired on 9/3/85.

Sept. 28: 1800

Oct. 1: 100 – Oct. 10: 2400*

*System down, some data may have been censored. Exchanged receiver and transmitter cards on 10/10/85. System up and running on 10/11/85.

Nov. 20: 100 – Nov. 21: 2400*

*System malfunction, up and running on 11/22/85.

Air Temperature:

Jan. 23: 1400 – Jan. 24: 1100*

*System down due to power failure. Noticed on 1/24/85, reprogrammed.

Feb. 26: 600 – 900

Mar. 4: 800 – 900*

*System went down and was reprogrammed.

April 15: 800*

*System test.

May 17: 1000 – 1100, 1500 – June 5: 1100*

*System down, transmitter and receiver cards sent to Climatronics to be checked. Receiver returned by Climatronics, reprogrammed system, up and running on 6/5/85.

June 20: 1000

July 9: 100 – July 19: 2400*

*Noticed faulty readings on IMP and no receiver light on 7/9/85, bad breaker switch at remote site.

*Continuing problems with system on 7/11/85 due to electrical storm, transmitter card was burned by lightning and sent to Climatronics for repairs.

*Transmitter card repaired and returned, system is up and running on 7/19/85.

Oct. 1: 100 – Oct. 10: 2400*

*System down, some data may have been censored. Exchanged receiver and transmitter cards on 10/10/85. System up and running on 10/11/85.

Nov. 20: 100 – Nov. 21: 2400*

*System malfunction, up and running on 11/22/85.

Water Temperature:

Jan. 23: 1600 – Jan. 24: 1100*

*System down due to power failure. Noticed on 1/24/85, reprogrammed.

Mar. 4: 800 – 900*

*System went down and was reprogrammed.

April 15: 800*

*System test.

May 17: 1000 – 1100, 1500 – June 5: 1100*

*System down, transmitter and receiver cards sent to Climatronics to be checked. Receiver returned by Climatronics, reprogrammed system, up and running on 6/5/85.

June 20: 1000

July 9: 100 – July 19: 2400*

*Noticed faulty readings on IMP and no receiver light on 7/9/85, bad breaker switch at remote site.

*Continuing problems with system on 7/11/85 due to electrical storm, transmitter card was burned by lightning and sent to Climatronics for repairs.

*Transmitter card repaired and returned, system is up and running on 7/19/85.

Oct. 1: 100 – Oct. 10: 2400*

*System down, some data may have been censored. Exchanged receiver and transmitter cards on 10/10/85. System up and running on 10/11/85.

Nov. 5: 1400*

*Changed tape.

Nov. 20: 100 – Nov. 21: 2400*

*System malfunction, up and running on 11/22/85.

Solar Radiation (Eppley):

Jan. 23: 1600 – Jan. 24: 1100*

*System down due to power failure. Noticed on 1/24/85, reprogrammed.

Mar. 4: 800 – 900*

*System went down and was reprogrammed.

April 15: 800*

*System test.

May 17: 1000 – 1100, 1500 – June 5: 1100*

*System down, transmitter and receiver cards sent to Climatronics to be checked. Receiver returned by Climatronics, reprogrammed system, up and running on 6/5/85.

June 20: 1000

July 9: 100 – July 19: 2400*

*Noticed faulty readings on IMP and no receiver light on 7/9/85, bad breaker switch at remote site.

*Continuing problems with system on 7/11/85 due to electrical storm, transmitter card was burned by lightning and sent to Climatronics for repairs.

*Transmitter card repaired and returned, system is up and running on 7/19/85.

Oct. 1: 100 – Oct. 10: 2400*

*System down, some data may have been censored. Exchanged receiver and transmitter cards on 10/10/85. System up and running on 10/11/85.

Nov. 5: 1400*

*Changed tape.

Nov. 20: 100 – Nov. 21: 2400*

*System malfunction, up and running on 11/22/85.

Water Level:

Jan. 23: 1600 – Jan. 24: 1100*

*System down due to power failure. Noticed on 1/24/85, reprogrammed.

Mar. 4: 800 – 900*

*System went down and was reprogrammed.

April 15: 800*

*System test.

May 17: 1000 – 1100, 1400 – June 5: 1100*

*System down, transmitter and receiver cards sent to Climatronics to be checked. Receiver returned by Climatronics, reprogrammed system, up and running on 6/5/85.

June 20: 1000

July 9: 100 – July 19: 2400*

*Noticed faulty readings on IMP and no receiver light on 7/9/85, bad breaker switch at remote site.

*Continuing problems with system on 7/11/85 due to electrical storm, transmitter card was burned by lightning and sent to Climatronics for repairs.

*Transmitter card repaired and returned, system is up and running on 7/19/85.

July 25: 100 – Aug. 8: 2400*

*Water level malfunction, up and running on 8/8/85.

Oct. 1: 100 – Oct. 11: 100, 800*

*System down, some data may have been censored. Exchanged receiver and transmitter cards on 10/10/85. System up and running on 10/11/85.

Oct. 16: 900

Nov. 5: 1400*

*Changed tape.

Nov. 20: 100 – Dec. 31: 2300*

*System malfunction, up and running on 11/22/85. Continuing problems with water level.

Conductivity:

Jan. 1: 100 – Jan. 2: 2400*

*Installed conductivity probe on 1/2/85.

Jan. 18: 1100*

*Platinized conductivity probe on 1/18/85.

Jan. 23: 1600 – Jan. 24: 1100*

*System down due to power failure. Noticed on 1/24/85, reprogrammed.

Mar. 4: 800 – 900*

*System went down and was reprogrammed.

April 6: 2200

April 15: 800*

*System test.

May 17: 1000 – 1100, 1500 – June 5: 1100*

*System down, transmitter and receiver cards sent to Climatronics to be checked. Receiver returned by Climatronics, reprogrammed system, up and running on 6/5/85.

June 10: 100 – June 11: 2400*

*Re-platinized the conductivity probe, problems with the device led to some bad readings that were subsequently censored.

June 20: 1000

June 28: 100 – 700, 900 – July 2: 400

July 5: 300 – 800, 2000 - July 19: 2400*

*Noticed faulty readings on IMP and no receiver light on 7/9/85, bad breaker switch at remote site.

*Continuing problems with system on 7/11/85 due to electrical storm, transmitter card was burned by lightning and sent to Climatronics for repairs.

*Transmitter card repaired and returned, system is up and running on 7/19/85.

Aug. 14: 300

Sept. 3: 2300

Oct. 1: 100 – Oct. 10: 2400*

*System down, some data may have been censored. Exchanged receiver and transmitter cards on 10/10/85. System up and running on 10/11/85.

Oct. 11: 200, 700 - 800

Nov. 5: 1400*

*Changed tape.

Nov. 20: 100 – Nov. 21: 2400*

*System malfunction, up and running on 11/22/85.

Barometric Pressure:

Jan. 1: 100 – Mar. 12: 2400*

*Installed barometric pressure sensor on 3/12/85.

April 15: 800*

*System test.

May 17: 1000 – 1100, 1500 – June 5: 1100*

*System down, transmitter and receiver cards sent to Climatronics to be checked. Receiver returned by Climatronics, reprogrammed system, up and running on 6/5/85.

June 20: 1000

July 9: 100 - July 19: 2400*

*Noticed faulty readings on IMP and no receiver light on 7/9/85, bad breaker switch at remote site.

*Continuing problems with system on 7/11/85 due to electrical storm, transmitter card was burned by lightning and sent to Climatronics for repairs.

*Transmitter card repaired and returned, system is up and running on 7/19/85.

Oct. 1: 100 – Oct. 10: 2400*

*System down, some data may have been censored. Exchanged receiver and transmitter cards on 10/10/85. System up and running on 10/11/85.

Nov. 5: 1400*

*Changed tape.

Nov. 20: 100 – Nov. 21: 2400*

*System malfunction, up and running on 11/22/85.

Solar Radiation (Licor):

No data available for 1985

1986

Wind Velocity:

Mar. 5: 900 – 1100*

*Electrical storm caused a system lock up, restarted and reprogrammed.

Mar. 14: 600 – Mar. 31: 1600*

*Electrical storm caused a system malfunction on 3/14/86. The transmitter card was burned and the power supply damaged, both were sent to Climatronics for repairs. The tower frame itself was also damaged.

*Reinstalled cards and reprogrammed on 3/31/86, system up and running.

April 9: 1700 – April 11: 700

May 6: 1100 – May 7: 1600*

*Censored data, system recording invalid values. Exchanged transmitter on 5/8/86, system is up and running again.

May 21: 1400 – 1600, 1800 – May 22: 800*

*MUX recorder failed on 5/21/86, the system was reprogrammed, but there was a program error with the IMP 803 until it was reprogrammed again on 5/22/86.

May 26: 300 – 400, 600 – 800, 1200, 2300

May 27: 500, 1600

May 28: 100

May 29: 1300

June 1: 1100

June 5: 2100

June 11: 700 – 800*

*Reprogrammed date, system showing Julian Day 001.

June 17: 300 – 700, 1000, 2200 – June 18: 700, 1000 – 1200

June 19: 1300, 2000 – June 20: 900, 1100 – 1300

June 20: 1900 – June 27: 1600, 2000 – June 28: 1100, 1700*

June 28: 1900 – June 29: 1000, 2300 – June 30: 900*

June 30: 2200 – July 1: 900, 1700 – July 2: 900*

July 2: 2200 – July 3: 1000, 2300 – July 4: 800*

July 5: 100 – 1300, 2100 – July 6: 900, 2200 – July 7: 900*

July 7: 1600 – July 8: 900, 1600 – July 9: 700*

July 9: 1600 – July 10: 700, 1800 - July 16: 1200*

*Met station struck by lightning, system down as of 6/20/86.

*Replaced transmitter receiver cards on 6/24/86, received a signal for approximately 2 hours, they system went down again.

*Reprogrammed system on 6/27/86, appeared to be receiving good data, but power supply appears to be faulty. System continues to work for short periods of time and then fail.

*Sent transmitter and receiver cards and power supply to Climatronics for repair, returned on 7/16/86. System appears to be functioning.

July 18: 1200 – 1700*

*IMP 803 printout indicating erroneous data, some data censored.

July 19: 1200 – 1800

July 21: 1100 – 1200

July 22: 1500 – Dec. 31: 2400*

*Station struck by lightning, down as of 7/22/86. Sent IMP 803 and cards to Climatronics for repair.

*Received system with probes back from Climatronics on 12/15/86, system remains down.

Max Wind Velocity:

No data available for 1986

Wind Direction:

Mar. 5: 900 – 1100*

*Electrical storm caused a system lock up, restarted and reprogrammed.

Mar. 14: 600 – Mar. 31: 1600*

*Electrical storm caused a system malfunction on 3/14/86. The transmitter card was burned and the power supply damaged, both were sent to Climatronics for repairs. The tower frame itself was also damaged.

*Reinstalled cards and reprogrammed on 3/31/86, system up and running.

April 9: 1700 – April 11: 700

May 6: 1100 – May 7: 1600*

*Censored data, system recording invalid values. Exchanged transmitter on 5/8/86, system is up and running again.

May 21: 1400 – 1600, 1800 – May 22: 800*

*MUX recorder failed on 5/21/86, the system was reprogrammed, but there was a program error with the IMP 803 until it was reprogrammed again on 5/22/86.

May 26: 300 – 400, 600 – 800, 1200, 2300

May 27: 500, 1600

May 28: 100

May 29: 1300

June 1: 1100

June 5: 2100

June 11: 700 – 800*

*Reprogrammed date, system showing Julian Day 001.

June 17: 300 – 700, 1000, 2200 – June 18: 700, 1100 – 1200

June 19: 1300, 2000 – June 20: 900 – 1300

June 20: 1900 – June 27: 1600, 2000 – June 28: 1100, 1700*

June 28: 1900 – June 29: 1000, 2300 – June 30: 900*

June 30: 2200 – July 1: 900, 1700 – July 2: 900*

July 2: 2200 – July 3: 1000, 2300 – July 4: 800*

July 5: 100 – 1300, 2100 – July 6: 900, 2200 – July 7: 900*

July 7: 1600 – July 8: 900, 1600 – July 9: 700*

July 9: 1600 – July 10: 700, 1800 - July 16: 1200*

*Met station struck by lightning, system down as of 6/20/86.

*Replaced transmitter receiver cards on 6/24/86, received a signal for approximately 2 hours, they system went down again.

*Reprogrammed system on 6/27/86, appeared to be receiving good data, but power supply appears to be faulty. System continues to work for short periods of time and then fail.

*Sent transmitter and receiver cards and power supply to Climatronics for repair, returned on 7/16/86. System appears to be functioning.

July 18: 1200 – 1300, 1600 – 1700*

*IMP 803 printout indicating erroneous data, some data censored.

July 19: 1200 – 1800

July 21: 1100 – 1200

July 22: 1500 – Dec. 31: 2400*

*Station struck by lightning, down as of 7/22/86. Sent IMP 803 and cards to Climatronics for repair.

*Received system with probes back from Climatronics on 12/15/86, system remains down.

Air Temperature:

Mar. 5: 900 – 1100*

*Electrical storm caused a system lock up, restarted and reprogrammed.

Mar. 14: 600 – Mar. 31: 1600*

*Electrical storm caused a system malfunction on 3/14/86. The transmitter card was burned and the power supply damaged, both were sent to Climatronics for repairs. The tower frame itself was also damaged.

*Reinstalled cards and reprogrammed on 3/31/86, system up and running.

April 9: 1700 – April 11: 700

May 6: 1100 – May 7: 1600*

*Censored data, system recording invalid values. Exchanged transmitter on 5/8/86, system is up and running again.

May 21: 1400 – 1600, 1800 – May 22: 800*

*MUX recorder failed on 5/21/86, the system was reprogrammed, but there was a program error with the IMP 803 until it was reprogrammed again on 5/22/86.

May 26: 300 – 400, 600 – 800, 1200, 2300

May 27: 500, 1600

May 28: 100

May 29: 1300

June 1: 1100

June 5: 2100

June 11: 700 – 800*

*Reprogrammed date, system showing Julian Day 001.

June 17: 300 – 700, 1000, 2200 – June 18: 700, 1100 – 1200

June 19: 1300, 2000 – June 20: 900, 1100 – 1300

June 20: 1900 – June 27: 1600, 2000 – June 28: 1100, 1700*

June 28: 1900 – June 29: 1000, 2300 – June 30: 900*

June 30: 2200 – July 1: 900, 1700 – July 2: 900*

July 2: 2200 – July 3: 1000, 2300 – July 4: 800*

July 5: 100 – 1300, 2100 – July 6: 900, 2200 – July 7: 900*

July 7: 1600 – July 8: 900, 1600 – July 9: 700*

July 9: 1600 – July 10: 700, 1800 - July 16: 1200*

*Met station struck by lightning, system down as of 6/20/86.

*Replaced transmitter receiver cards on 6/24/86, received a signal for approximately 2 hours, they system went down again.

*Reprogrammed system on 6/27/86, appeared to be receiving good data, but power supply appears to be faulty. System continues to work for short periods of time and then fail.

*Sent transmitter and receiver cards and power supply to Climatronics for repair, returned on 7/16/86. System appears to be functioning.

July 18: 1200 – 1300, 1600 – 1700*

*IMP 803 printout indicating erroneous data, some data censored.

July 19: 1200 – 1800

July 21: 1100 – 1200

July 22: 1500 – Dec. 31: 2400*

*Station struck by lightning, down as of 7/22/86. Sent IMP 803 and cards to Climatronics for repair.

*Received system with probes back from Climatronics on 12/15/86, system remains down.

Water Temperature:

Mar. 5: 900 – 1100*

*Electrical storm caused a system lock up, restarted and reprogrammed.

Mar. 14: 600 – Mar. 31: 1600*

*Electrical storm caused a system malfunction on 3/14/86. The transmitter card was burned and the power supply damaged, both were sent to Climatronics for repairs. The tower frame itself was also damaged.

*Reinstalled cards and reprogrammed on 3/31/86, system up and running.

April 8: 100 – April 11: 700*

*Water temperature malfunction produced invalid values, censored data.

*Changed water temp probe on 4/9/86.

May 6: 1100 – May 7: 1600*

*Censored data, system recording invalid values. Exchanged transmitter on 5/8/86, system is up and running again.

May 21: 1400 – 1600*

*MUX recorder failed on 5/21/86, the system was reprogrammed, but there was a program error with the IMP 803 until it was reprogrammed again on 5/22/86.

May 26: 300 – 400, 600 – 800, 1100 – 1200, 1700, 2100, 2300
May 27: 500 – 700, 1500 – 1600
May 28: 100
May 29: 1300
June 1: 1100
June 5: 2100
June 10: 800
June 11: 700 – 800*

*Reprogrammed date, system showing Julian Day 001.

June 17: 300 – 700, 1000, 2100 – June 18: 700, 1000 – 1200
June 19: 1200, 2000 – June 20: 900, 1100 – 1300
June 20: 1900 – June 27: 1600, 2000 – June 28: 1100, 1700*
June 28: 1900 – June 29: 1000, 2300 – June 30: 900*
June 30: 2200 – July 1: 900, 1700 – July 2: 900*
July 2: 2200 – July 3: 1000, 2300 – July 4: 800*
July 5: 100 – 1300, 2100 – July 6: 900, 2200 – July 7: 900*
July 7: 1600 – July 8: 900, 1600 – July 9: 700*
July 9: 1600 – July 10: 700, 1800 - July 16: 1200*

*Met station struck by lightning, system down as of 6/20/86.

*Replaced transmitter receiver cards on 6/24/86, received a signal for approximately 2 hours, they system went down again.

*Reprogrammed system on 6/27/86, appeared to be receiving good data, but power supply appears to be faulty. System continues to work for short periods of time and then fail.

*Sent transmitter and receiver cards and power supply to Climatronics for repair, returned on 7/16/86. System appears to be functioning.

July 18: 1200 – 1300, 1500 – 1700*

*IMP 803 printout indicating erroneous data, some data censored.

July 19: 1200 – 1800
July 21: 1100 – 1200
July 22: 1500 – Dec. 31: 2400*

*Station struck by lightning, down as of 7/22/86. Sent IMP 803 and cards to Climatronics for repair.

*Received system with probes back from Climatronics on 12/15/86, system remains down.

Solar Radiation (Eppley):

Mar. 5: 900 – 1100*

*Electrical storm caused a system lock up, restarted and reprogrammed.

Mar. 14: 600 – Mar. 31: 1600*

*Electrical storm caused a system malfunction on 3/14/86. The transmitter card was burned and the power supply damaged, both were sent to Climatronics for repairs. The tower frame itself was also damaged.

*Reinstalled cards and reprogrammed on 3/31/86, system up and running.

April 9: 1700 – April 11: 700
May 6: 1100 – May 7: 1600*

*Censored data, system recording invalid values. Exchanged transmitter on 5/8/86, system is up and running again.

May 21: 1400 – 1600*

*MUX recorder failed on 5/21/86, the system was reprogrammed, but there was a program error with the IMP 803 until it was reprogrammed again on 5/22/86.

May 26: 300 – 400, 600 – 900, 1100 – 1200, 1400, 1700, 2100, 2300 – 2400
May 27: 400 – 700, 1100, 1500 – 1600
May 28: 100
May 29: 1300
June 1: 1100
June 5: 2100
June 10: 800
June 11: 700 – 800*

*Reprogrammed date, system showing Julian Day 001.

June 16: 1300
June 17: 300 – 700, 900 – 1000, 2100 – June 18: 700, 1000 – 1200
June 19: 1200, 2000 – June 20: 900, 1100 – 1300
June 20: 1900 – June 27: 1600, 2000 – June 28: 1100, 1700*
June 28: 1900 – June 29: 1000, 2300 – June 30: 900*
June 30: 2200 – July 1: 900, 1700 – July 2: 900*
July 2: 2200 – July 3: 1000, 2300 – July 4: 800*
July 5: 100 – 1300, 2100 – July 6: 900, 2200 – July 7: 900*
July 7: 1600 – July 8: 900, 1600 – July 9: 700*
July 9: 1600 – July 10: 700, 1800 - July 16: 1200*

*Met station struck by lightning, system down as of 6/20/86.

*Replaced transmitter receiver cards on 6/24/86, received a signal for approximately 2 hours, they system went down again.

*Reprogrammed system on 6/27/86, appeared to be receiving good data, but power supply appears to be faulty. System continues to work for short periods of time and then fail.

*Sent transmitter and receiver cards and power supply to Climatronics for repair, returned on 7/16/86. System appears to be functioning.

July 18: 1200 – 1300, 1500 – 1700*

*IMP 803 printout indicating erroneous data, some data censored.

July 19: 1200 – 1800
July 21: 1100 – 1200
July 22: 1500 – Dec. 31: 2400*

*Station struck by lightning, down as of 7/22/86. Sent IMP 803 and cards to Climatronics for repair.

*Received system with probes back from Climatronics on 12/15/86, system remains down.

<u>Water Level</u>:

Jan. 1: 100 – Jan. 13: 900*

*Changed water level probe and installed junction box on 1/13/86. Water level up and running.

Mar. 5: 900 – 1100*

*Electrical storm caused a system lock up, restarted and reprogrammed.

Mar. 14: 600 – Mar. 31: 1600*

*Electrical storm caused a system malfunction on 3/14/86. The transmitter card was burned and the power supply damaged, both were sent to Climatronics for repairs. The tower frame itself was also damaged.

*Reinstalled cards and reprogrammed on 3/31/86, system up and running.

April 9: 1700 – April 11: 700
May 1: 1300 – 1800*

*Changed tape, lost some data as a result of previous tape running out.

May 6: 1100 – May 7: 1600*

*Censored data, system recording invalid values. Exchanged transmitter on 5/8/86, system is up and running again.

May 8: 800
May 13: 800
May 21: 1400 – 1600*
*MUX recorder failed on 5/21/86, the system was reprogrammed, but there was a program error with the IMP 803 until it was reprogrammed again on 5/22/86.
May 26: 300 – 400, 600 – 1200, 1400 – 1500, 1700, 2100, 2300 – 2400
May 27: 200 – 700, 900, 1400 – 1600, 2200 – 2300
May 28: 100 – 300
May 29: 1300
June 1: 1100
June 5: 2100
June 8: 1800
June 10: 800
June 11: 700 – 800*
*Reprogrammed date, system showing Julian Day 001.
June 13: 1400
June 16: 1300
June 17: 300 – 700, 1000, 2100 – June 18: 700, 1000 – 1200
June 19: 1200, 2000 – June 20: 900, 1100 – 1300
June 20: 1900 – June 27: 1600, 1900 – June 29: 1000, 2300 – June 30: 900*
June 30: 2200 – July 1: 900, 1700 – July 2: 900*
July 2: 2200 – July 3: 1000, 2300 – July 4: 800*
July 5: 100 – 1300, 2100 – July 6: 900, 2200 – July 7: 900*
July 7: 1600 – July 8: 900, 1600 – July 9: 700*
July 9: 1600 – July 10: 700, 1700 - July 16: 1200*
*Met station struck by lightning, system down as of 6/20/86.
*Replaced transmitter receiver cards on 6/24/86, received a signal for approximately 2 hours, they system went down again.
*Reprogrammed system on 6/27/86, appeared to be receiving good data, but power supply appears to be faulty. System continues to work for short periods of time and then fail.
*Sent transmitter and receiver cards and power supply to Climatronics for repair, returned on 7/16/86. System appears to be functioning.
July 18: 1200 – 1300, 1500 – 1700*
*IMP 803 printout indicating erroneous data, some data censored.
July 19: 1200 – 1800
July 21: 1100 – 1200
July 22: 1500 – Dec. 31: 2400*
*Station struck by lightning, down as of 7/22/86. Sent IMP 803 and cards to Climatronics for repair.
*Received system with probes back from Climatronics on 12/15/86, system remains down.

Conductivity:
Mar. 5: 900 – 1100*
*Electrical storm caused a system lock up, restarted and reprogrammed.
Mar. 14: 600 – Mar. 31: 1600*
*Electrical storm caused a system malfunction on 3/14/86. The transmitter card was burned and the power supply damaged, both were sent to Climatronics for repairs. The tower frame itself was also damaged.
*Reinstalled cards and reprogrammed on 3/31/86, system up and running.
April 9: 1700 – April 11: 700
April 11: 1500
April 29: 1500 – 1900
May 1: 1100 – 1900*
*Changed tape, lost some data as a result of previous tape running out.

May 6: 1100 – May 7: 1600*

*Censored data, system recording invalid values. Exchanged transmitter on 5/8/86, system is up and running again.

May 21: 1400 – 1600, 1800 – May 22: 800*

*MUX recorder failed on 5/21/86, the system was reprogrammed, but there was a program error with the IMP 803 until it was reprogrammed again on 5/22/86.

May 26: 300 – 400, 600 – 1200, 1400 – 1500, 1700, 2100, 2300 – May 27: 700, 900,
May 27: 1400 – 1600, 2200 – May 28: 300, 600
May 29: 1300
May 31: 2000
June 1: 1100
June 5: 2100
June 10: 800
June 11: 700 – 800*

*Reprogrammed date, system showing Julian Day 001.

June 13: 1400
June 16: 1200 – 1300
June 17: 300 – 700, 900 – 1000, 2100 – June 18: 700, 1000 – 1200
June 19: 1200, 2000 – June 20: 900, 1100 – 1300
June 20: 1900 – June 27: 1600, 2000 – June 28: 1100, 1700*
June 28: 1900 – June 29: 1000, 2300 – June 30: 900*
June 30: 2200 – July 1: 900, 1700 – July 2: 900*
July 2: 2200 – July 3: 1000, 2300 – July 4: 800*
July 5: 100 – 1300, 2100 – July 6: 900, 2200 – July 7: 900*
July 7: 1600 – July 8: 900, 1600 – July 9: 700*
July 9: 1600 – July 10: 700, 1700 - July 16: 1200*

*Met station struck by lightning, system down as of 6/20/86.

*Replaced transmitter receiver cards on 6/24/86, received a signal for approximately 2 hours, they system went down again.

*Reprogrammed system on 6/27/86, appeared to be receiving good data, but power supply appears to be faulty. System continues to work for short periods of time and then fail.

*Sent transmitter and receiver cards and power supply to Climatronics for repair, returned on 7/16/86. System appears to be functioning.

July 18: 1200 – 1700*

*IMP 803 printout indicating erroneous data, some data censored.

July 19: 1200 – 1800
July 21: 1100 – 1200
July 22: 1500 – Dec. 31: 2400*

*Station struck by lightning, down as of 7/22/86. Sent IMP 803 and cards to Climatronics for repair.

*Received system with probes back from Climatronics on 12/15/86, system remains down.

Barometric Pressure:

Jan. 8: 1000 – 1300, 1600, 1800 – Jan. 9: 100
Mar. 5: 900 – 1100*

*Electrical storm caused a system lock up, restarted and reprogrammed.

Mar. 14: 600 – Mar. 31: 1600*

*Electrical storm caused a system malfunction on 3/14/86. The transmitter card was burned and the power supply damaged, both were sent to Climatronics for repairs. The tower frame itself was also damaged.

*Reinstalled cards and reprogrammed on 3/31/86, system up and running.

April 9: 1700 – April 11: 700
May 1: 1300 – 1800*

*Changed tape, lost some data as a result of previous tape running out.

May 6: 1100 – May 7: 1600*

*Censored data, system recording invalid values. Exchanged transmitter on 5/8/86, system is up and running again.

May 21: 1400 – 1600*

*MUX recorder failed on 5/21/86, the system was reprogrammed, but there was a program error with the IMP 803 until it was reprogrammed again on 5/22/86.

May 26: 300 – 400, 600 – 1200, 1400 – 1500, 1700, 2100, 2300 – May 27: 700, 900,
May 27: 1200, 1400 – 1900, 2200 – May 28: 300, 600
May 29: 1300
May 31: 2000
June 1: 1100
June 5: 2100
June 8: 1800 – June 27: 1600, 2000 – June 28: 1100, 1700*

*Censored data due to inaccurate readings from 6/8/86 through 6/20/86.

June 28: 1900 – June 29: 1000, 2300 – June 30: 900*
June 30: 2200 – July 1: 900, 1700 – July 2: 900*
July 2: 2200 – July 3: 1000, 2300 – July 4: 800*
July 5: 100 – 1300, 2100 – July 6: 900, 2200 – July 7: 900*
July 7: 1600 – July 8: 900, 1600 – July 9: 700*
July 9: 1600 – July 10: 700, 1700 - July 16: 1200*

*Met station struck by lightning, system down as of 6/20/86.

*Replaced transmitter receiver cards on 6/24/86, received a signal for approximately 2 hours, they system went down again.

*Reprogrammed system on 6/27/86, appeared to be receiving good data, but power supply appears to be faulty. System continues to work for short periods of time and then fail.

*Sent transmitter and receiver cards and power supply to Climatronics for repair, returned on 7/16/86. System appears to be functioning.

July 18: 1200 – 1300, 1500 – 1700*

*IMP 803 printout indicating erroneous data, some data censored.

July 19: 1200 – 1800
July 21: 1100 – 1200
July 22: 1500 – Dec. 31: 2400*

*Station struck by lightning, down as of 7/22/86. Sent IMP 803 and cards to Climatronics for repair.

*Received system with probes back from Climatronics on 12/15/86, system remains down.

Solar Radiation (Licor):

No data available for 1986

1987

Wind Velocity:

Jan. 1: 100 – Jan 5: 1000, 1200*

*Power supply restored, system is up and running. System has been down since 7/85.

Feb. 27: 1700 – Mar. 2: 900*

*Changed MUX tape on 2/27/87, system was accidentally unplugged. Restarted on 3/2//87.

Mar. 5: 1000*

*Noticed printout was off by 3 minutes on its readings, changed enable status parameter to one for all channels. Printout appears to be fine.

Mar. 30: 1100 – 1600, 2100 – June 21: 900, 1900 – June 22: 900*

*Receiving bad printout and eventually stopped receiving signal on 3/30/87. Replaced solar radiation card, signal checked out fine. Some data may have been censored.

*Continuing problems with signal going in and out, data censored.

*Power was disconnected from the met station on 4/8/87 for reconstruction of the platform.
*Tower is finished and system is up and running on 6/19/87.
*Power loss due to storm on night of 6/19/87. Data from 6/19 censored. System came back on for a few hours on 6/21/87.
*Replaced transmitter card on 6/22/87, system appears to be fine.

June 30: 2000 – July 1: 800

Aug. 8: 800

Aug. 10: 1300 – Aug. 11: 1100, 1700*
*Reinstalled tape transport and reprogrammed IMP 803 on 8/10/87, not recording 6-minute readings on magnetic tape. Printer was accidentally turned off over night, lost data. Up and running again on 8/11/87.

Aug. 31: 900 – 1000*
*Lost 2 hours of data on 8/31/87 due to working on station, changed all connector cards at tower.

Sept. 3: 100 – Sept. 14: 2400*
*No signal since 9/3/87. Switched transmitter and receiver cards on 9/4/87, system still not working.
*Continuing problems with system. Changed power supply and transmitter on 9/9/87, began receiving signal, then lost again. Changed power supply and transmitter cards again on 9/10/87, still no signal. Disconnected and reconnected phone line to IMP 803, began receiving signal, then lost again. Removed and reinstalled receiver on 9/11/87, began receiving signal, lost again. Any data collected during this period was censored.
*Secured phone line connection and water level ground at tower, and installed new power supply and TDM card on 9/14/87. System is up and running.

Sept. 17: 100 – 600, 1300, 2100, 2400 – Sept. 18: 700*
*System going down at night.

Sept. 21: 1300

Oct. 29: 1100*
*Changed tape.

Oct. 30: 900 – 1000

Nov. 2: 200

Nov. 10: 2000 – Nov. 12: 800*
*Storm tripped breaker on 11/10/87, secured phone line on 11/12/87, system is up and running.

Nov. 26: 1400

Nov. 27: 2000 – Dec. 1: 900*
*System down due to bad rainstorm on 11//27/87. Discovered and restarted on 11/30/87, but went back down after a few hours. System came up again on 12/1/87. Data censored from this period.

Dec. 11: 1900 – Dec. 12: 900, 2100 – Dec. 13: 900, 1800 – Dec. 14: 600*
*Problems with printout from 1800 on 12/13/87 to 0600 on 12/14/87, data censored.

Dec. 15: 1800 – Dec. 16: 900*
*Signal failed overnight. Cleaned transmitter, started receiving a signal again.

Dec. 21: 1100 – 1500*
*System down for part of the day while trying to repair barometric pressure. Changed tape.

Max Wind Velocity:

No data available for 1987

Wind Direction:

Jan. 1: 100 – Jan 5: 1000, 1200*
*Power supply restored, system is up and running. System has been down since 7/85.

Feb. 27: 1700 – Mar. 2: 900*

*Changed MUX tape on 2/27/87, system was accidentally unplugged. Restarted on 3/2//87.

Mar. 5: 1000*

*Noticed printout was off by 3 minutes on its readings, changed enable status parameter to one for all channels. Printout appears to be fine.

Mar. 30: 1100 – 1600, 2100 – June 21: 900, 1900 – June 22: 900*

*Receiving bad printout and eventually stopped receiving signal on 3/30/87. Replaced solar radiation card, signal checked out fine. Some data may have been censored.

*Continuing problems with signal going in and out. Data censored during this time.

*Power was disconnected from the met station on 4/8/87 for reconstruction of the platform.

*Tower is finished and system is up and running on 6/19/87.

*Power loss due to storm on night of 6/19/87. Censored data from 6/19. System came back on for a few hours on 6/21/87.

*Replaced transmitter card on 6/22/87, system appears to be fine.

June 30: 2000 – July 1: 800

Aug. 8: 800

Aug. 10: 1300 – Aug. 11: 1100, 1700*

*Reinstalled tape transport and reprogrammed IMP 803 on 8/10/87, not recording 6-minute readings on magnetic tape. Printer was accidentally turned off over night, lost data. Up and running again on 8/11/87.

Aug. 31: 900 – 1000*

*Lost 2 hours of data on 8/31/87 due to working on station, changed all connector cards at tower.

Sept. 3: 100 – Sept. 14: 2400*

*No signal since 9/3/87. Switched transmitter and receiver cards on 9/4/87, system still not working.

*Continuing problems with system. Changed power supply and transmitter on 9/9/87, began receiving signal, then lost again. Changed power supply and transmitter cards again on 9/10/87, still no signal. Disconnected and reconnected phone line to IMP 803, began receiving signal, then lost again. Removed and reinstalled receiver on 9/11/87, began receiving signal, lost again. Censored data collected during this period.

*Secured phone line connection and water level ground at tower, and installed new power supply and TDM card on 9/14/87. System is up and running.

Sept. 17: 100 – 600, 1300, 2100, 2400 – Sept. 18: 700*

*System going down at night.

Sept. 21: 1300

Oct. 29: 1100*

*Changed tape.

Oct. 30: 900 – 1000

Nov. 2: 200

Nov. 10: 2000 – Nov. 12: 800*

*Storm tripped breaker on 11/10/87, secured phone line on 11/12/87, system is up and running.

Nov. 26: 1400

Nov. 27: 2000 – Dec. 1: 900*

*System down due to bad rainstorm on 11//27/87. Discovered and restarted on 11/30/87, but went back down after a few hours. System came up again on 12/1/87. Data censored from this period.

Dec. 11: 1900 – Dec. 12: 900, 2100 – Dec. 13: 900, 1800 – Dec. 14: 600*

*Problems with printout from 1800 on 12/13/87 to 0600 on 12/14/87, censored data.

Dec. 15: 1800 – Dec. 16: 900*

*Signal failed overnight. Cleaned transmitter, started receiving a signal again.

Dec. 21: 1100 – 1500*

*System down for part of the day while trying to repair barometric pressure. Changed tape.

Air Temperature:

Jan. 1: 100 – Jan 7: 2400*

*Power supply restored, system is up and running. System has been down since 7/85. Continuing problems with air temperature.

*Installed new air temp gauge on 1/7/87, air temp is up and running.

Feb. 27: 1700 – Mar. 2: 900*

*Changed MUX tape on 2/27/87, system was accidentally unplugged. Restarted on 3/2//87.

Mar. 5: 1000*

*Noticed printout was off by 3 minutes on its readings, changed enable status parameter to one for all channels. Printout appears to be fine.

Mar. 30: 1100 – 1600, 2100 – June 21: 900, 1900 – June 22: 900*

*Receiving bad printout and eventually stopped receiving signal on 3/30/87. Replaced solar radiation card, signal checked out fine. Some data may have been censored.

*Continuing problems with signal going in and out. Censored data during this time.

*Power was disconnected from the met station on 4/8/87 for reconstruction of the platform.

*Tower is finished and system is up and running on 6/19/87.

*Power loss due to storm on night of 6/19/87. Censored data from 6/19. System came back on for a few hours on 6/21/87.

*Replaced transmitter card on 6/22/87, system appears to be fine.

June 25: 400

June 30: 2000 – July 1: 800

Aug. 8: 800

Aug. 10: 1300 – Aug. 11: 1100, 1700*

*Reinstalled tape transport and reprogrammed IMP 803 on 8/10/87, not recording 6-minute readings on magnetic tape. Printer was accidentally turned off over night, lost data. Up and running again on 8/11/87.

Aug. 31: 900 – 1000*

*Lost 2 hours of data on 8/31/87 due to working on station, changed all connector cards at tower.

Sept. 3: 100 – Sept. 14: 2400*

*No signal since 9/3/87. Switched transmitter and receiver cards on 9/4/87, system still not working.

*Continuing problems with system. Changed power supply and transmitter on 9/9/87, began receiving signal, then lost again. Changed power supply and transmitter cards again on 9/10/87, still no signal. Disconnected and reconnected phone line to IMP 803, began receiving signal, then lost again. Removed and reinstalled receiver on 9/11/87, began receiving signal, lost again. Censored data collected during this period.

*Secured phone line connection and water level ground at tower, and installed new power supply and TDM card on 9/14/87. System is up and running.

Sept. 17: 100 – 600, 1300, 2100, 2400 – Sept. 18: 700*

*System going down at night.

Sept. 21: 1300

Oct. 29: 1100*

*Changed tape.

Oct. 30: 900 – 1000

Nov. 2: 200

Nov. 10: 1500 – Nov. 12: 900*

*Storm tripped breaker on 11/10/87, secured phone line on 11/12/87, system is up and running.

Nov. 26: 1400

Nov. 27: 2000 – Dec. 1: 900*

*System down due to bad rainstorm on 11//27/87. Discovered and restarted on 11/30/87, but went back down after a few hours. System came up again on 12/1/87. Data censored from this period.

Dec. 11: 1900 – Dec. 12: 900, 2100 – Dec. 13: 900, 1800 – Dec. 14: 600*

*Problems with printout from 1800 on 12/13/87 to 0600 on 12/14/87, censored data.

Dec. 15: 1800 – Dec. 16: 900*

*Signal failed overnight. Cleaned transmitter, started receiving a signal again.

Dec. 21: 1100 – 1500*

*System down for part of the day while trying to repair barometric pressure. Changed tape.

Water Temperature:

Jan. 1: 100 – Jan 29: 2400*

*Power supply restored, system is up and running. System has been down since 7/85.

*Water temperature card was pulled on 1/13/87, noticed erroneous data, censored.

*Water temperature card reinstalled on 1/15/87, but data is still invalid, censored.

*New probe and card installed on 1/29/87, water temperature is up and running.

Feb. 18: 1600

Feb. 27: 1700 – Mar. 2: 900*

*Changed MUX tape on 2/27/87, system was accidentally unplugged. Restarted on 3/2//87.

Mar. 5: 1000*

*Noticed printout was off by 3 minutes on its readings, changed enable status parameter to one for all channels. Printout appears to be fine.

Mar. 30: 1100 – 1600, 2100 – June 21: 900, 1900 – June 22: 900*

*Receiving bad printout and eventually stopped receiving signal on 3/30/87. Replaced solar radiation card, signal checked out fine. Some data may have been censored.

*Continuing problems with signal going in and out. Censored data during this time.

*Power was disconnected from the met station on 4/8/87 for reconstruction of the platform.

*Tower is finished and system is up and running on 6/19/87.

*Power loss due to storm on night of 6/19/87. Censored data from 6/19. System came back on for a few hours on 6/21/87.

*Replaced transmitter card on 6/22/87, system appears to be fine.

June 30: 2000 – July 1: 800

Aug. 8: 800

Aug. 10: 1300 – Aug. 11: 1100, 1700*

*Reinstalled tape transport and reprogrammed IMP 803 on 8/10/87, not recording 6-minute readings on magnetic tape. Printer was accidentally turned off over night, lost data. Up and running again on 8/11/87.

Aug. 31: 900 – 1000*

*Lost 2 hours of data on 8/31/87 due to working on station, changed all connector cards at tower.

Sept. 3: 100 – Sept. 14: 2400*

*No signal since 9/3/87. Switched transmitter and receiver cards on 9/4/87, system still not working.

*Continuing problems with system. Changed power supply and transmitter on 9/9/87, began receiving signal, then lost again. Changed power supply and transmitter cards again on 9/10/87, still no signal. Disconnected and reconnected phone line to IMP 803, began receiving signal, then lost again. Removed and reinstalled receiver on 9/11/87, began receiving signal, lost again. Censored data collected during this period.

*Secured phone line connection and water level ground at tower, and installed new power supply and TDM card on 9/14/87. System is up and running.

Sept. 17: 100 – 600, 1300, 2100, 2400 – Sept. 18: 700*

*System going down at night.

Sept. 21: 1300

Oct. 29: 1100*
*Changed tape.
Oct. 30: 900 – 1000
Nov. 2: 200
Nov. 10: 1600 – Nov. 12: 900*
*Storm tripped breaker on 11/10/87, secured phone line on 11/12/87, system is up and running.
Nov. 26: 1400
Nov. 27: 2000 – Dec. 1: 900*
*System down due to bad rainstorm on 11//27/87. Discovered and restarted on 11/30/87, but went back down after a few hours. System came up again on 12/1/87. Data censored from this period.
Dec. 11: 1900 – Dec. 12: 900, 2100 – Dec. 13: 900, 1800 – Dec. 14: 600*
*Problems with printout from 1800 on 12/13/87 to 0600 on 12/14/87, data look bad, censored.
Dec. 15: 1800 – Dec. 16: 900*
*Signal failed overnight. Cleaned transmitter, started receiving a signal again.
Dec. 21: 1100 – 1500*
*System down for part of the day while trying to repair barometric pressure. Changed tape.

Solar Radiation (Eppley):
Jan. 1: 100 – Jan 7: 2400*
*Power supply restored, system is up and running. System has been down since 7/85. Continuing problems with solar radiation.
*Solar radiation up and running on 1/7/87.
Feb. 18: 1600
Feb. 27: 1700 – Mar. 2: 900*
*Changed MUX tape on 2/27/87, system was accidentally unplugged. Restarted on 3/2//87.
Mar. 5: 1000*
*Noticed printout was off by 3 minutes on its readings, changed enable status parameter to one for all channels. Printout appears to be fine.
Mar. 30: 1100 – 1600, 2100 – June 21: 900, 1900 – June 22: 900*
*Receiving bad printout and eventually stopped receiving signal on 3/30/87. Replaced solar radiation card, signal checked out fine. Some data may have been censored.
*Continuing problems with signal going in and out. Censored data during this time.
*Power was disconnected from the met station on 4/8/87 for reconstruction of the platform.
*Tower is finished and system is up and running on 6/19/87.
*Power loss due to storm on night of 6/19/87. Censored data from 6/19. System came back on for a few hours on 6/21/87.
*Replaced transmitter card on 6/22/87, system appears to be fine.
June 30: 2000 – July 1: 800
Aug. 8: 800
Aug. 10: 1300 – Aug. 11: 1100, 1700*
*Reinstalled tape transport and reprogrammed IMP 803 on 8/10/87, not recording 6-minute readings on magnetic tape. Printer was accidentally turned off over night, lost data. Up and running again on 8/11/87.
Aug. 31: 900 – 1000*
*Lost 2 hours of data on 8/31/87 due to working on station, changed all connector cards at tower.
Sept. 3: 100 – Sept. 14: 2400*
*No signal since 9/3/87. Switched transmitter and receiver cards on 9/4/87, system still not working.

*Continuing problems with system. Changed power supply and transmitter on 9/9/87, began receiving signal, then lost again. Changed power supply and transmitter cards again on 9/10/87, still no signal. Disconnected and reconnected phone line to IMP 803, began receiving signal, then lost again. Removed and reinstalled receiver on 9/11/87, began receiving signal, lost again. Censored data collected during this period.
*Secured phone line connection and water level ground at tower, and installed new power supply and TDM card on 9/14/87. System is up and running.

Sept. 16: 1000

Sept. 17: 100 – 600, 1300, 2100, 2400 – Sept. 18: 700*
*System going down at night.

Sept. 21: 1300*
*Replaced solar radiation probe and card, crystals in probe were pink indicating that they were used. Solar radiation output on MUX tape was fuzzy over the weekend.

Oct. 29: 1100*
*Changed tape.

Oct. 30: 900 – 1000

Nov. 2: 200

Nov. 10: 800 – Nov. 12: 900*
*Storm tripped breaker on 11/10/87, secured phone line on 11/12/87, system is up and running.

Nov. 26: 1400

Nov. 27: 2000 – Dec. 1: 900*
*System down due to bad rainstorm on 11//27/87. Discovered and restarted on 11/30/87, but went back down after a few hours. System came up again on 12/1/87. Data censored from this period.

Dec. 11: 1900 – Dec. 12: 900, 2100 – Dec. 13: 900, 1800 – Dec. 14: 600*
*Problems with printout from 1800 on 12/13/87 to 0600 on 12/14/87, data look bad, censored.

Dec. 15: 1800 – Dec. 16: 900*
*Signal failed overnight. Cleaned transmitter, started receiving a signal again.

Dec. 21: 1100 – 1500*
*System down for part of the day while trying to repair barometric pressure. Changed tape.

Water Level:

Jan. 1: 100 – Jan 5: 1000, 1200*
*Power supply restored, system is up and running. System has been down since 7/85.

Jan. 28: 1500

Feb. 18: 1600

Feb. 27: 1700 – Mar. 2: 900*
*Changed MUX tape on 2/27/87, system was accidentally unplugged. Restarted on 3/2//87.

Mar. 5: 1000*
*Noticed printout was off by 3 minutes on its readings, changed enable status parameter to one for all channels. Printout appears to be fine.

Mar. 16: 1000

Mar. 30: 1100 – 1600, 2100 – June 21: 900, 1900 – June 22: 900*
*Receiving bad printout and eventually stopped receiving signal on 3/30/87. Replaced solar radiation card, signal checked out fine. Some data may have been censored.
*Continuing problems with signal going in and out. Censored data during this time.
*Power was disconnected from the met station on 4/8/87 for reconstruction of the platform.
*Tower is finished and system is up and running on 6/19/87.
*Power loss due to storm on night of 6/19/87. Censored data from 6/19. System came back on for a few hours on 6/21/87.
*Replaced transmitter card on 6/22/87, system appears to be fine.

June 29: 1100 - 1200
June 30: 2000 – July 1: 800
Aug. 8: 800
Aug. 10: 1300 – Aug. 11: 1100, 1700*
*Reinstalled tape transport and reprogrammed IMP 803 on 8/10/87, not recording 6-minute readings on magnetic tape. Printer was accidentally turned off over night, lost data. Up and running again on 8/11/87.
Aug. 29: 100 – Aug. 30: 2400
Aug. 31: 900 – 1000*
*Lost 2 hours of data on 8/31/87 due to working on station, changed all connector cards at tower.
*Water level card appears to have been burned on two empty connectors, replaced.
Sept. 1: 100 – 900, 1200
Sept. 3: 100 – Sept. 14: 2400*
*No signal since 9/3/87. Switched transmitter and receiver cards on 9/4/87, system still not working.
*Continuing problems with system. Changed power supply and transmitter on 9/9/87, began receiving signal, then lost again. Changed power supply and transmitter cards again on 9/10/87, still no signal. Disconnected and reconnected phone line to IMP 803, began receiving signal, then lost again. Removed and reinstalled receiver on 9/11/87, began receiving signal, lost again. Censored data collected during this period.
*Secured phone line connection and water level ground at tower, and installed new power supply and TDM card on 9/14/87. System is up and running.
Sept. 16: 1000
Sept. 17: 100 – 600, 1300, 2100, 2400 – Sept. 18: 700*
*System going down at night.
Sept. 21: 1300
Oct. 29: 1100*
*Changed tape.
Oct. 30: 900 – 1000
Nov. 2: 200
Nov. 10: 800 – Nov. 12: 800, 1700 – Nov. 13: 700*
*Storm tripped breaker on 11/10/87, secured phone line on 11/12/87, system is up and running. Water level card reading wrong on 11/10/87, water level remains down.
*Replaced water level sensor on 11/13/87, everything appears to be fine.
Nov. 26: 1400
Nov. 27: 2000 – Dec. 1: 1500*
*System down due to bad rainstorm on 11//27/87. Discovered and restarted on 11/30/87, but went back down after a few hours. System came up again on 12/1/87. Data censored from this period.
Dec. 11: 200 – 900, 1800 – Dec. 12: 900, 1900 – Dec. 13: 900, 1800 – Dec. 14: 600*
*Problems with printout from 1800 on 12/13/87 to 0600 on 12/14/87, data look bad, censored.
Dec. 15: 1800 – Dec. 16: 900*
*Signal failed overnight. Cleaned transmitter, started receiving a signal again.
Dec. 21: 1100 – 1500*
*System down for part of the day while trying to repair barometric pressure. Changed tape.
Dec. 23: 2200 – 2400
Dec. 27: 700 – 1100, 1800 – Dec. 28: 400

Conductivity:
Jan. 1: 100 – Jan 29: 2400*
*Power supply restored, system is up and running. System has been down since 7/85.
*Continuing problems with conductivity.
Feb. 18: 1600

Feb. 27: 1700 – Mar. 2: 900*

*Changed MUX tape on 2/27/87, system was accidentally unplugged. Restarted on 3/2//87.

Mar. 5: 1000*

*Noticed printout was off by 3 minutes on its readings, changed enable status parameter to one for all channels. Printout appears to be fine.

Mar. 30: 1000 – 1600, 2100 – June 21: 900, 1900 – June 22: 900*

*Receiving bad printout and eventually stopped receiving signal on 3/30/87. Replaced solar radiation card, signal checked out fine. Some data may have been censored.

*Continuing problems with signal going in and out. Censored data during this time.

*Power was disconnected from the met station on 4/8/87 for reconstruction of the platform.

*Tower is finished and system is up and running on 6/19/87.

*Power loss due to storm on night of 6/19/87. Censored data from 6/19. System came back on for a few hours on 6/21/87.

*Replaced transmitter card on 6/22/87, system appears to be fine.

June 24: 2100 – 2400

June 25: 1000

June 30: 2000 – July 1: 800

July 27: 1200 – 1300

Aug. 6: 1400

Aug. 7: 900 - 1500

Aug. 8: 800, 1400 – Aug. 9: 1900

Aug. 10: 1300 – Aug. 11: 1100, 1600 – 2100*

*Reinstalled tape transport and reprogrammed IMP 803 on 8/10/87, not recording 6-minute readings on magnetic tape. Printer was accidentally turned off over night, lost data. Up and running again on 8/11/87.

Aug. 17: 900 – 1700

Aug. 19: 2400 – 800

Aug. 20: 2000 – Aug. 24: 2400

*Re-platinized probe on 8/23/87, values were running high, censored data. No conductivity reading on printout until 8/25/87.

Aug. 26: 1900 – Aug. 27: 700*

*Conductivity went down again on 8/26/87. Changed connections on 8/27/87, everything appears to be fine.

Aug. 29: 1900

Aug. 30: 2400 – Aug. 31: 200, 400 – 700, 900 – 1000*

*Conductivity down on 8/30/87 as a result of a breaker tripping.

*Lost 2 hours of data on 8/31/87 due to working on station, changed all connector cards at tower.

*Conductivity probe continuing to have problems, values seem erratic, may be some censored data.

Sept. 1: 500 – 600

Sept. 3: 100 – Sept. 14: 2400*

*No signal since 9/3/87. Switched transmitter and receiver cards on 9/4/87, system still not working.

*Continuing problems with system. Changed power supply and transmitter on 9/9/87, began receiving signal, then lost again. Changed power supply and transmitter cards again on 9/10/87, still no signal. Disconnected and reconnected phone line to IMP 803, began receiving signal, then lost again. Removed and reinstalled receiver on 9/11/87, began receiving signal, lost again. Censored data collected during this period.

*Secured phone line connection and water level ground at tower, and installed new power supply and TDM card on 9/14/87. System is up and running.

Sept. 16: 900 – 1900

Sept. 17: 100 – 600, 1300, 2100, 2400 – Sept. 18: 700*

*System going down at night.

Sept. 21: 1300
Oct. 9: 1200 – Oct. 18: 1500
Oct 19: 1100 – Oct. 20: 900
Oct. 27: 1400 – Oct. 28: 800*
*Lost conductivity reading on 10/27/87, cleaned all gold connectors on cards on 10/28/87. Appears to have solved the problem.
Oct. 29: 1100*
*Changed tape.
Oct. 30: 900 – Nov. 2: 1000
Nov. 10: 1100 – 1300*
Nov. 11: 1000 – 1100, 1400 – Nov. 12: 900*
*Storm tripped breaker on 11/10/87, secured phone line on 11/12/87, system is up and running.
Nov. 21: 600 – 1500, 1700 – Nov. 23: 1300, 1500 – Nov. 24: 800
Nov. 26: 1400
Nov. 27: 2000 – Dec. 1: 1500*
*System down due to bad rainstorm on 11//27/87. Discovered and restarted on 11/30/87, but went back down after a few hours. System came up again on 12/1/87. Data censored from this period.
Dec. 11: 1800 – Dec. 12: 900, 2100 – Dec. 13: 900, 1800 – Dec. 14: 600*
*Problems with printout from 1800 on 12/13/87 to 0600 on 12/14/87, data look bad, censored.
Dec. 15: 1800 – Dec. 16: 1100, 1300 – 1400*
*Signal failed overnight. Cleaned transmitter, started receiving a signal again. Also having problems with reading negative values on test point on card and signal reception at the lab.
Dec. 19: 900 – Dec. 21: 1500*
*System down on 12/21/87 from 1100 to 1500 while trying to repair barometric pressure. Changed tape.
Dec. 27: 700 – 1100
Dec. 31: 1300 – 2400

Barometric Pressure:
Jan. 1: 100 – Jan 29: 2400*
*Power supply restored, system is up and running. System has been down since 7/85.
*Removed barometric pressure card on 1/15/87, noticed erroneous data, censored
*New probe and card installed on 1/29/87, barometric pressure is up and running.
Feb. 18: 1600
Feb. 27: 1700 – Mar. 2: 900*
*Changed MUX tape on 2/27/87, system was accidentally unplugged. Restarted on 3/2//87.
Mar. 5: 1000*
*Noticed printout was off by 3 minutes on its readings, changed enable status parameter to one for all channels. Printout appears to be fine.
Mar. 30: 1100 – 1600, 2100 – June 21: 900, 1900 – June 22: 900*
*Receiving bad printout and eventually stopped receiving signal on 3/30/87. Replaced solar radiation card, signal checked out fine. Some data may have been censored.
*Continuing problems with signal going in and out. Censored data during this time.
*Power was disconnected from the met station on 4/8/87 for reconstruction of the platform.
*Tower is finished and system is up and running on 6/19/87.
*Power loss due to storm on night of 6/19/87. Censored data from 6/19. System came back on for a few hours on 6/21/87.
*Replaced transmitter card on 6/22/87, system appears to be fine.
June 25: 1000
June 30: 2000 – July 1: 800

Aug. 8: 800
Aug. 10: 1300 – Aug. 11: 1100, 1700*
*Reinstalled tape transport and reprogrammed IMP 803 on 8/10/87, not recording 6-minute readings on magnetic tape. Printer was accidentally turned off over night, lost data. Up and running again on 8/11/87.
Aug. 31: 900 – 1000*
*Lost 2 hours of data on 8/31/87 due to working on station, changed all connector cards at tower.
Sept. 3: 100 – Sept. 14: 2400*
*No signal since 9/3/87. Switched transmitter and receiver cards on 9/4/87, system still not working.
*Continuing problems with system. Changed power supply and transmitter on 9/9/87, began receiving signal, then lost again. Changed power supply and transmitter cards again on 9/10/87, still no signal. Disconnected and reconnected phone line to IMP 803, began receiving signal, then lost again. Removed and reinstalled receiver on 9/11/87, began receiving signal, lost again. Censored data collected during this period.
*Secured phone line connection and water level ground at tower, and installed new power supply and TDM card on 9/14/87. System is up and running.
Sept. 16: 1000
Sept. 17: 100 – 600, 1300, 2100, 2400 – Sept. 18: 700*
*System going down at night.
Sept. 21: 1300
Oct. 29: 1100*
*Changed tape.
Oct. 30: 900 – 1000
Nov. 2: 200
Nov. 11: 1000 – 1100, 1300 – Nov. 12: 900*
*Storm tripped breaker on 11/10/87, secured phone line on 11/12/87, system is up and running.
Nov. 26: 1400
Nov. 27: 100 – Dec. 19: 700, 900 – Dec. 31: 2400*
*System down due to bad rainstorm on 11//27/87. Discovered and restarted on 11/30/87, but went back down after a few hours. System came up again on 12/1/87. Data censored from this period.
*Problems with barometric pressure continue, bad readings, data censored.
*Attempted to repair on 12/21/87 without success. Called about sensor, waiting for reply.

Solar Radiation (Licor):
No data available for 1987

1988

Wind Velocity:
Jan. 4: 2200 – Jan. 5: 1000*
*Lost signal overnight, turned system off and restarted. Receiving signal again.
Jan. 21: 2000 – Jan. 22: 800, 1900 – Jan. 23: 800*
*Changed tape on 1/27/88, Memodyne tape recorder on IMP 803 seems to be sticking, may have affected data from 1/21/88 to 2/2/88.
Feb. 2: 1600, 2300 – Feb. 3: 700, 1400 – Feb. 29: 2400*
*Checked all voltages and made necessary adjustments on 2/2/88, system down for one hour at 1600 as a result.
*Discovered not receiving or transmitting signal on 2/3/88, switched cards without success. System is down.
*Installed new parts, system is back up as of 2/29/88.
May 22: 100 – May 23: 700*

*IMP 803 failed, reset surge protector, signal appears to be fine.

July 5: 200 – 900*

*System down due to lightning storm. Reprogrammed and appears to be fine.

Aug. 9: 1100*

*Changed tape.

Sept. 20: 1000*

*Changed tape.

Nov. 14: 1000

Nov. 19: 100, 2400 – Nov. 20: 100

Max Wind Velocity:

No data available for 1988

Wind Direction:

Jan. 4: 2200 – Jan. 5: 1000*

*Lost signal overnight, turned system off and restarted. Receiving signal again.

Jan. 21: 2000 – Jan. 22: 800, 1900 – Jan. 23: 800

Jan. 27: 2300*

*Changed tape on 1/27/88, Memodyne tape recorder on IMP 803 seems to be sticking, may have affected data from 1/21/88 to 2/2/88.

Feb. 2: 1600, 2300 – Feb. 3: 700, 1400 – Feb. 29: 2400*

*Checked all voltages and made necessary adjustments on 2/2/88, system down for one hour at 1600 as a result.

*Discovered not receiving or transmitting signal on 2/3/88, switched cards without success. System is down.

*Installed new parts, system is back up as of 2/29/88.

May 22: 100 – May 23: 700*

*IMP 803 failed, reset surge protector, signal appears to be fine.

July 5: 200 – 900*

*System down due to lightning storm. Reprogrammed and appears to be fine.

Aug. 9: 1100*

*Changed tape.

Sept. 20: 1000*

*Changed tape.

Nov. 14: 1000

Nov. 16: 1800

Nov. 19: 100, 2400 – Nov. 20: 100

Dec. 27: 1900 – Dec. 28: 1800

Air Temperature:

Jan. 4: 2200 – Jan. 5: 1000*

*Lost signal overnight, turned system off and restarted. Receiving signal again.

Jan. 21: 2000 – Jan. 22: 800, 1900 – Jan. 23: 800

Jan. 27: 2300*

*Changed tape in 1/27/88, Memodyne tape recorder on IMP 803 seems to be sticking, may have affected data from 1/21/88 to 2/2/88.

Feb. 2: 1600, 2300 – Feb. 3: 700, 1400 – Feb. 29: 2400*

*Checked all voltages and made necessary adjustments on 2/2/88, system down for one hour at 1600 as a result.

*Discovered not receiving or transmitting signal on 2/3/88, switched cards without success. System is down.

*Installed new parts, system is back up as of 2/29/88.

May 22: 100 – May 23: 700*

*IMP 803 failed, reset surge protector, signal appears to be fine.

July 5: 200 – 900*

*System down due to lightning storm. Reprogrammed and appears to be fine.

Aug. 9: 1100*
*Changed tape.
Sept. 20: 1000*
*Changed tape.
Nov. 14: 1000
Nov. 16: 1800
Nov. 19: 100, 2400 – Nov. 20: 100

Water Temperature:
Jan. 4: 2200 – Jan. 5: 1000*
*Lost signal overnight, turned system off and restarted. Receiving signal again.
Jan. 21: 2000 – Jan. 22: 800, 1900 – Jan. 23: 800
Jan. 27: 2300*
*Changed tape on 1/27/88, Memodyne tape recorder on IMP 803 seems to be sticking, may have affected data from 1/21/88 to 2/2/88.
Feb. 2: 1600, 2300 – Feb. 3: 700, 1400 – Feb. 29: 2400*
*Checked all voltages and made necessary adjustments on 2/2/88, system down for one hour at 1600 as a result.
*Discovered not receiving or transmitting signal on 2/3/88, switched cards without success. System is down.
*Installed new parts, system is back up as of 2/29/88.
May 22: 100 – May 23: 700*
*IMP 803 failed, reset surge protector, signal appears to be fine.
July 5: 200 – 900*
*System down due to lightning storm. Reprogrammed and appears to be fine.
Aug. 9: 1100*
*Changed tape.
Sept. 20: 1000*
*Changed tape.
Oct. 3: 1000 – 1600*
*Water temperature down while installing new conductivity probe.
Nov. 2: 100
Nov. 14: 1000
Nov. 16: 1800
Nov. 19: 2400 – Nov. 20: 100

Solar Radiation (Eppley):
Jan. 4: 2200 – Jan. 5: 1000*
*Lost signal overnight, turned system off and restarted. Receiving signal again.
Jan. 21: 2000 – Jan. 22: 800, 1900 – Jan. 23: 800
Jan. 27: 2300*
*Changed tape on 1/27/88, Memodyne tape recorder on IMP 803 seems to be sticking, may have affected data from 1/21/88 to 2/2/88.
Feb. 2: 1600, 2300 – Feb. 3: 700, 1400 – Feb. 29: 2400*
*Checked all voltages and made necessary adjustments on 2/2/88, system down for one hour at 1600 as a result.
*Discovered not receiving or transmitting signal on 2/3/88, switched cards without success. System is down.
*Installed new parts, system is back up as of 2/29/88.
May 22: 100 – May 23: 700*
*IMP 803 failed, reset surge protector, signal appears to be fine.
July 5: 200 – 900*
*System down due to lightning storm. Reprogrammed and appears to be fine.
Aug. 9: 1100*
*Changed tape.
Sept. 20: 1000*

*Changed tape.

Nov. 14: 1000
Nov. 16: 1800
Nov. 19: 2400 – Nov. 20: 100

Water Level:

Jan. 4: 2200 – Jan. 5: 1000*
*Lost signal overnight, turned system off and restarted. Receiving signal again.
Jan. 21: 2000 – Jan. 22: 800, 1900 – Jan. 23: 800
Jan. 27: 2300*
*Changed tape on 1/27/88, Memodyne tape recorder on IMP 803 seems to be sticking, may have affected data from 1/21/88 to 2/2/88.
Feb. 2: 1600, 2300 – Feb. 3: 700, 1400 – Feb. 29: 2400*
*Checked all voltages and made necessary adjustments on 2/2/88, system down for one hour at 1600 as a result.
*Discovered not receiving or transmitting signal on 2/3/88, switched cards without success. System is down.
*Installed new parts, system is back up as of 2/29/88.
April 11: 900
May 17: 1400
May 22: 100 – May 23: 700*
*IMP 803 failed, reset surge protector, signal appears to be fine.
June 16: 1300
July 5: 200 – 900*
*System down due to lightning storm. Reprogrammed and appears to be fine.
July 29: 1500
Aug. 9: 1100*
*Changed tape.
Sept. 20: 1000*
*Changed tape.
Oct. 3: 1000 – 1600*
*Water level down while installing new conductivity probe.
Nov. 14: 1000
Nov. 19: 2400 – Nov. 20: 100

Conductivity:

Jan. 1: 100 – Jan. 4: 1200, 2200 – Jan. 5: 1000*
*Conductivity has been down since 12/31/87. Reset breaker, appears to be fine now.
*Lost signal overnight on 1/4/88, turned system off and restarted on 1/5/88. Conductivity reading was bad so reset conductivity. Receiving signal again.
Jan. 11: 1200 – Jan. 18: 1000*
*Conductivity down due to tripped breaker at tower.
Jan. 21: 2000 – Jan. 22: 800, 1900 – Jan. 23: 800
Jan. 27: 2300*
*Changed tape on 1/27/88, Memodyne tape recorder on IMP 803 seems to be sticking, may have affected data from 1/21/88 to 2/2/88.
Feb. 2: 1600, 2300 – Feb. 3: 700, 1400 – Mar. 1: 800*
*Checked all voltages and made necessary adjustments on 2/2/88, system down for one hour at 1600 as a result.
*Discovered not receiving or transmitting signal on 2/3/88, switched cards without success. System is down.
*Installed new parts, system is back up as of 2/29/88.
Mar. 3: 1500 – Mar. 4: 900
Mar. 16: 1100 – Mar. 17: 1000, 1300 – Mar. 18: 900
Mar. 22: 1200 – 1500*

*Conductivity has been turned on and off many times over the past four weeks due to work on the sea water pumps.

Mar. 29: 1300 – Mar. 30: 1000, 1400 – Mar. 31: 1000, 2100 – April 1: 900*

April 1: 2400 – April 2: 800, 2200 – April 3: 1000, 1900 – April 11: 2400*

*Changed tape on 4/6/88, conductivity values looked high.

*Re-platinized conductivity probe and reset breaker. Breaker had been tripped for an unknown amount of time. Conductivity was essentially down from 3/29/88 to 4/11/88, bad readings were censored.

April 25: 1500 – 2000

May 11: 1000 – 1600*

*Conductivity down, reset card, appears to have solved the problem.

May 13: 1200 – 1300

May 14: 100 – 200, 1200 – 1300

May 15: 600 – 900

May 17: 1000

May 18: 1200 – 1500

May 22: 100 – May 23: 700*, 2400 – May 24: 1000*

*IMP 803 failed on 5/22/88 at 100, reset surge protector, signal appears to be fine as of 5/23/88 at 700.

*Breaker tripped at tower on 5/23/88 at 2400 causing conductivity to fail. Reset breaker on 5/24/88 at 900, signal appears to be fine.

June 1: 2400

June 2: 1500 – 2200

June 3: 2000

June 4: 800, 1500 – 1900, 2200 – June 5: 900, 1300 – 1700, 2000 – June 13: 2400*

*Found conductivity down on 6/13/88, probe had been down since 6/6/88. Reset breaker and card, appears to be fine.

June 16: 1200*

*Re-platinized conductivity probe.

July 29: 1500

July 1: 1800 – July 5: 1000*

*System down due to lightning storm. Reprogrammed and appears to be fine.

July 28: 100 – 1000, 1300 – 1400*

*Lightning tripped breaker, reset

July 29: 700 – 800*

*Lightning tripped breaker, reset again.

July 30: 1200 – 1300

Aug. 4: 1400 – Aug. 5: 900*

*Conductivity down due to power problems.

Aug. 9: 1100*

*Changed tape.

Aug. 14: 2300 – Aug. 15: 1000*

*Breaker tripped due to rain on 8/14/88, reset.

Aug. 22: 700 – 1400*

*Breaker tripped, reset in afternoon.

Aug. 25: 700 – 1000

Aug. 31: 400 – 1300*

*Breaker tripped in a.m., reset.

Sept. 13: 1400 – 1500

Sept. 20: 1000*

*Changed tape.

Sept. 25: 1400 – Sept. 26: 1200*

*Breaker tripped, reset.

Sept. 30: 800 – Oct. 3: 1500*

*Conductivity down since 9/30/88, put in new probe, appears to be fine.

Oct. 4: 100 – 900

Oct. 17: 1200 – 1500*
*Conductivity down while checking maximums and minimums.
Nov. 14: 1000
Nov. 19: 2400 – Nov. 20: 100
Nov. 22: 600 – 900*
*Breaker tripped, reset.
Dec. 2: 1300
Dec. 19: 2400

Barometric Pressure:
Jan. 1: 100 – Feb. 3: 700, 1400 – Feb. 29: 2400*
*Continuing problems with barometric pressure.
*Checked all voltages and made necessary adjustments on 2/2/88, system down for one hour at 1600 as a result. Barometric pressure is up and running.
*Discovered not receiving or transmitting signal on 2/3/88, switched cards without success. System is down.
*Installed new parts, system is back up as of 2/29/88.
May 22: 100 – May 23: 700*
*IMP 803 failed, reset surge protector, signal appears to be fine.
July 5: 200 – 900*
*System down due to lightning storm. Reprogrammed and appears to be fine.
Aug. 9: 1100*
*Changed tape.
Sept. 20: 1000*
*Changed tape.
Nov. 14: 1000
Nov. 19: 2400 – Nov. 20: 100

Solar Radiation (Licor):
No data available for 1988

1989

Wind Velocity:
Feb. 23: 1600*
*Changed tape.
May 15: 1800*
*Changed tape.
June 14: 1500
Aug. 4: 1700*
*Breaker was tripped, reset.
Sept. 21: 1800 – Oct. 14: 1300*
*Hurricane Hugo on 9/21/89, lost all equipment, new equipment has been ordered.
*Temporary meteorological station installed on 10/14/89.
Oct. 31: 1600 – Nov. 1: 1000
Nov. 13: 2100 – 2400
Nov. 14: 1100 – 1200
Nov. 15: 100 – 600
Nov. 27: 1000
Dec. 28: 1900 – Dec. 29: 1700

Max Wind Velocity:
No data available for 1989

Wind Direction:
Feb. 4: 800 – Feb. 6: 800

Feb. 23: 1600*
*Changed tape.
April 17: 900 – April 18: 500
April 29: 200 - 600
May 15: 1800*
*Changed tape.
June 14: 1500
Aug. 4: 1700*
*Breaker was tripped, reset.
Sept. 21: 1800 – Oct. 14: 1300*
*Hurricane Hugo on 9/21/89, lost all equipment, new equipment has been ordered.
*Temporary meteorological station installed on 10/14/89.
Oct. 31: 1600 – Nov. 1: 1000
Nov. 13: 2100 – 2400
Nov. 14: 1100 – 1200
Nov. 15: 100 – 600
Nov. 27: 1000
Dec. 28: 1900 – Dec. 29: 1700

Air Temperature:

** There were continuous problems with the maximum and minimum readings for air temperature this month, and a large amount of missing data in the max and min spreadsheet as a result.

Feb. 23: 1600*
*Changed tape.
May 15: 1800*
*Changed tape.
June 14: 1500
Aug. 4: 1700*
*Breaker was tripped, reset.
Sept. 21: 1800 – Oct. 14: 1300*
*Hurricane Hugo on 9/21/89, lost all equipment, new equipment has been ordered.
*Temporary meteorological station installed on 10/14/89.
Oct. 31: 1600 – Nov. 1: 1000
Nov. 13: 2100 – 2400
Nov. 14: 1100 – 1200
Nov. 15: 100 – 600
Nov. 20: 1500 – Nov. 27: 1000
Dec. 28: 1900 – Dec. 29: 1700

Water Temperature:

Feb. 23: 1600*
*Changed tape.
May 15: 1800*
*Changed tape.
June 14: 1500
Aug. 4: 1700*
*Breaker was tripped, reset.
Sept. 21: 1800 – Dec. 31: 2400*
*Hurricane Hugo on 9/21/89, lost all equipment, new equipment has been ordered.
*Temporary meteorological station installed on 10/14/89. There are no sensors for water level, conductivity, or water temperature at this time.

Solar Radiation (Eppley):

Feb. 23: 1600*
*Changed tape.

May 15: 1800*
*Changed tape.
June 14: 1500
Aug. 4: 1700*
*Breaker was tripped, reset.
Sept. 21: 1800 – Oct. 14: 1300*
*Hurricane Hugo on 9/21/89, lost all equipment, new equipment has been ordered.
*Temporary meteorological station installed on 10/14/89.
Oct. 24: 500
Oct. 31: 1600 – Nov. 1: 1000
Nov. 13: 2100 – 2400
Nov. 14: 1100 – 1200
Nov. 15: 100 – 600
Nov. 16: 1100
Nov. 27: 1000
Dec. 17: 500 – 1100
Dec. 17: 2300 – Dec. 18: 1100
Dec. 19: 400 – 700*
Dec. 22: 1000 – 1400, 1600 – Dec. 24: 1600
Dec. 26: 300 – 800
Dec. 28: 1900 – Dec. 29: 1700

Water Level:

Jan. 6: 1000
Jan. 23: 1300*
*Power surge caused brief problems with water level, appears to be fine now.
Feb. 23: 1600*
*Changed tape.
April 7: 1600 - 1700
May 15: 1800*
*Changed tape.
June 14: 1500
June 30: 1400
Aug. 4: 1700*
*Breaker was tripped, reset.
Aug. 6: 200 – 2300
Aug. 7: 100 – 400, 600, 800 – 1000*
*Replaced water level probe on 8/8/89. Had been receiving bad data, some data censored. Appears to be fine now.
Aug. 26: 2000
Sept. 4: 1400, 1600 – Sept. 20: 1500
*Noticed that had been receiving bad data on 9/5/89, end of probe was pitted and rust was leaking down. Some data censored.
*Installed new water level gauge on 9/20/89.
Sept. 21: 1800 – Dec. 31: 2400*
*Hurricane Hugo on 9/21/89, lost all equipment, new equipment has been ordered.
*Temporary meteorological station installed on 10/14/89. There are no sensors for water level, conductivity, or water temperature at this time.

Conductivity:

Jan. 4: 1400 – Jan. 17: 2400*
*Noticed that conductivity was reporting bad values on 1/5/89, censored some data from 1/4/89. Attempted to replatinize probe, couldn't get a signal afterwards. Sent probe in to be checked, no backup available.
*Replaced conductivity probe, the problem was with the platinizer. Everything appears to be working fine.

Jan. 20: 1400 - 1600
Feb. 22: 1100 – 1200
Feb. 23: 1600*
*Changed tape.
Mar. 1: 1300, 1600 – Mar. 2: 900
Mar. 7: 200 – Mar. 14: 1600*
*Noticed conductivity readings appear low on 3/7/89.
*Conductivity readings bad, censored data from 3/7/89 to 3/14/89, re-platinized probe, appears to be reading fine now.
April 5: 800 – April 6: 1000*
*Storm tripped breaker, reset.
April 28: 1500 – 1700
May 6: 2000 – May 7: 500, 800 – May 8: 800*
*Breaker tripped on 5/6/89 due to a storm, reset on 5/8/89.
May 15: 1800*
*Changed tape.
May 20: 1600 – May 22: 900*
*Breaker tripped on 5/20/89, reset on 5/22/89.
May 23: 300 – 800, 1000
June 7: 2200 – June 8: 1100
June 9: 1900
June 10: 700
June 14: 1500
June 17: 1500 – 1600, 2400 – June 18: 2300*
June 19: 100 – 700*
*Breaker tripped over the weekend, reset on 6/19/89.
June 23: 1100 – 1200*
*Changed tape.
June 28: 1700
June 29: 500 – 2100*
June 30: 200 – 300, 500 – 600, 800*
*Re-platinized conductivity probe on 6/30/89.
July 7: 300 – 1000, 1600 – July 8: 1400
July 10: 1000, 1300, 1500
July 15: 1600 – 1700, 1900 – July 16: 1700, 2200 – July 17: 900*
July 17: 1500 – 2100*
*On 7/16/89 noticed problems with conductivity readings over the past week and reset.
*On 7/17/89 noticed some bad values for conductivity, censored.
July 25: 800 – 1400*
*Conductivity down due to storm.
July 28: 900, 1200 – 2400
July 29: 200 – 700
Aug. 2: 900 – 1300, 1600 – 2000, 2300 – Aug. 3: 1400
Aug. 4: 1700*
*Breaker was tripped, reset.
Aug. 10: 1500
Aug. 18: 900 – 1400, 1800 – Aug. 19: 1200
Aug. 20: 400 – 900
Aug. 25: 700 – 900
Aug. 26: 1100 – Aug. 28: 900
Sept. 20: 2200 – Sept. 21: 1200
Sept. 21: 1800 – Dec. 31: 2400*
*Hurricane Hugo on 9/21/89, lost all equipment, new equipment has been ordered. .
*Temporary meteorological station installed on 10/14/89. There are no sensors for water level, conductivity, or water temperature at this time.

Barometric Pressure:

Feb. 23: 1600*
*Changed tape.
May 15: 1800*
*Changed tape.
June 14: 1500
Aug. 4: 1700*
*Breaker was tripped, reset.
Sept. 21: 1800 – Oct. 14: 1300*
*Hurricane Hugo on 9/21/89, lost all equipment, new equipment has been ordered.
*Temporary meteorological station installed on 10/14/89.
Oct. 31: 1600 – Nov. 1: 1000
Nov. 13: 2100 – 2400
Nov. 14: 1100 – 1200
Nov. 15: 100 – 600
Nov. 27: 1000
Dec. 28: 1900 – Dec. 29: 1700

Solar Radiation (Licor):

No data available for 1989

1990

** On 12/4/90, a new met station with the following sensors was installed: wind direction, wind speed, air temp, solar radiation, and barometric pressure. There are no sensors for water level, conductivity, or water temperature at this time.

Wind Velocity:

Jan. 10: 1300 – 1700
Jan. 18: 1400 – 1600
Jan. 24: 1600 – 1700
Jan. 27: 200, 1600
Jan. 28: 2000
Jan. 29: 200 – 600, 900 – 1000
Jan. 30: 700
Feb. 1: 600
Feb. 24: 1300 – 1700
Feb. 25: 1000 – 1200
May 9: 1900 – May 10: 1400, 1700 – 1800
May 11: 1300 – 1800
May 29: 1500 – May 30: 1200
June 7: 1500 – June 8: 700
Aug. 10: 400 – Aug. 11: 1700
Aug. 13: 1300, 1900 – Aug. 14: 1700
Aug. 25: 1900 – Aug. 28: 1100, 1400 – 2000
Aug. 29: 500 – Aug. 30: 1100, 1300
Sept. 4: 1800 – Sept. 5: 1000
Sept. 7: 1000 – 1300
Sept. 14: 2300 – Sept. 19: 1000
Sept. 20: 600 – 900
Oct. 10: 2300 – Oct. 17: 1100
Nov. 1: 1400, 1700
Dec. 31: 2000 - 2400

Wind Direction:

Jan. 10: 1300 – 1700
Jan. 18: 1400 – 1600
Jan. 24: 1600 – 1700
Jan. 27: 200, 1600
Jan. 28: 2000
Jan. 29: 200 – 600, 900 – 1000
Jan. 30: 700
Feb. 1: 600
Feb. 24: 1300 – 1700
Feb. 25: 1000 – 1200
May 4: 400
May 8: 2400
May 9: 1900 – May 10: 1400, 1700 – 1800
May 11: 1300 – 1800
May 29: 1500 – May 30: 1200
June 7: 1500 – June 8: 700
June 17: 2400
June 21: 200 – 400
June 26: 2400 – June 27: 100
July 4: 200
July 8: 600
July 13: 400, 600
July 18: 2100 – 2200
Aug. 2: 500
Aug. 5: 400 – 500
Aug. 7: 400
Aug. 8: 300, 1800 – 2100
Aug. 10: 400 – Aug. 11: 1700
Aug. 11 2000, 2300
Aug. 12: 100 – 400
Aug. 13: 300, 1300, 1900 – Aug. 14: 1700
Aug. 15: 2400
Aug. 16: 2100
Aug. 18: 2200
Aug. 19: 2400 – Aug. 20: 100, 400 – 500
Aug. 22: 300
Aug. 23: 700 – 800
Aug. 24: 100, 300, 500 – 700, 2100, 2400
Aug. 25: 200 – 600, 1900 – Aug. 28: 1100, 1400 – 2000
Aug. 29: 500 – Aug. 30: 1100, 1300
Sept. 1: 2300
Sept. 4: 1800 – Sept. 5: 1000
Sept. 5: 2200, 2400 – Sept. 6: 100
Sept. 7: 1000 – 1300
Sept. 8: 2000
Sept. 9: 400 – 500
Sept. 10: 300 – 600
Sept. 13: 2100
Sept. 14: 2300 – Sept. 19: 1000
Sept. 20: 600 – 900
Sept. 21: 200 – 300, 500, 2200
Oct. 2: 2400
Oct. 7: 100 – 200, 400
Oct. 10: 2300 – Oct. 17: 1100
Oct. 25: 600
Oct. 30: 1800 – 1900

Nov. 1: 1400, 1700
Nov. 3: 2000
Nov. 15: 1800 – 2300
Nov. 18: 1800
Nov. 20: 1700, 1900
Nov. 27: 400
Dec. 12: 800
Dec. 17: 2300 – Dec. 18: 300
Dec. 22: 2100, 2300
Dec. 29: 2000 – 2300
Dec. 30: 100, 300 - 800
Dec. 31: 2000 - 2400

Air Temperature:

Jan. 10: 1300 – 1700
Jan. 18: 1400 – 1600
Jan. 24: 1600 – 1700
Jan. 27: 200, 1600
Jan. 28: 2000
Jan. 29: 200 – 600, 900 – 1000
Jan. 30: 700
Feb. 1: 600
Feb. 24: 1300 – 1700
Feb. 25: 1000 – 1200
May 9: 1900 – May 10: 1400, 1700 – 1800
May 11: 1300 – 1800
May 29: 1500 – May 30: 1200
June 7: 1500 – June 8: 700
June 17: 2100 – July 3: 800
July 27: 2000 – Aug. 9: 1900, 2100 – Aug. 13: 1600, 1900 – Aug. 14: 1700
Aug. 25: 1900 – Aug. 28: 1100, 1400 – 2000
Aug. 29: 500 – Aug. 30: 1100, 1300
Sept. 4: 1800 – Sept. 5: 1000
Sept. 7: 1000 – 1300
Sept. 14: 2300 – Sept. 19: 1000
Sept. 20: 600 – 900
Sept. 27: 1500 – Sept. 28: 700
Oct. 10: 2300 – Oct. 17: 1100
Nov. 1: 1400, 1700
Nov. 21: 1000
Dec. 31: 2000 - 2400

Water Temperature:

No data available for 1990

Solar Radiation (Eppley):

Jan. 10: 1300 – 1700
Jan. 12: 1900 – Jan. 18: 1800
Jan. 19: 1600
Jan. 24: 1600 – 1700
Jan. 26: 1700
Jan. 27: 200, 1600
Jan. 28: 2000
Jan. 29: 200 – 600, 900 – 1000
Jan. 30: 700
Feb. 1: 600

Feb. 24: 1300 – 1700
Feb. 25: 1000 – 1200
May 9: 1900 – May 10: 1400, 1700 – 1800
May 11: 1300 – 1800
May 29: 1500 – May 30: 1200
June 7: 1500 – June 8: 700, 900
Aug. 10: 400 – Aug. 11: 1700
Aug. 13: 1300, 1900 – Aug. 14: 1700
Aug. 25: 1900 – Aug. 28: 1100, 1400 – 2000, 2200, 2400 – Aug. 29: 100
Aug. 29: 400 – Aug. 30: 1100, 1300
Sept. 4: 1800 – Sept. 5: 1000
Sept. 7: 1000 – 1300
Sept. 10: 1100
Sept. 14: 2300 – Sept. 19: 1000
Sept. 20: 600 – 900
Oct. 10: 2300 – Oct. 17: 1200
Nov. 1: 1400, 1700
Dec. 31: 2000 - 2400

Water Level:
No data available for 1990

Conductivity:
No data available for 1990

Barometric Pressure:
Jan. 10: 1300 – 1700
Jan. 17: 2300
Jan. 18: 1300 - 1600
Jan. 24: 1600 – 1700
Jan. 27: 200, 1600
Jan. 28: 2000
Jan. 29: 200 – 600, 900 – 1000
Jan. 30: 700
Feb. 1: 600
Feb. 24: 1300 – 1700
Feb. 25: 1000 – 1200
Feb. 26: 300 – 2300
May 9: 1900 – May 10: 1400, 1700 – 1800
May 11: 1300 – 1800
May 29: 1500 – May 30: 1200
June 7: 1500 – June 8: 1000
Aug. 10: 400 – Aug. 11: 1700
Aug. 13: 1300 – Aug. 17: 1200
Aug. 25: 1900 – Aug. 28: 1100, 1400 – 2000
Aug. 29: 500 – Aug. 30: 1100, 1300
Sept. 4: 1800 – Sept. 5: 1000
Sept. 7: 1000 – 1300
Sept. 14: 2300 – Sept. 19: 1000
Sept. 20: 600 – 900
Oct. 10: 2300 – Oct. 17: 1100
Nov. 1: 1400, 1700
Dec. 31: 2000 - 2400

Solar Radiation (Licor):
No data available for 1990

1991

Wind Velocity:

Jan. 15: 1200 – 1300
Jan. 27: 2300
Mar. 18: 900 – 1500*
*Installed updated program.
June 17: 1300 – July 10: 1200*
*Censored data, noticed than wind arm was badly bent on 7/1/91. Exchanged arms on 7/10/91, appears to be working fine.

Max Wind Velocity:

No data available for 1991

Wind Direction:

Jan. 15: 1200 – 1300
Jan. 27: 2300
Mar. 18: 900 – 1500*
*Installed updated program.

Air Temperature:

Jan. 15: 1200 – 1300
Jan. 27: 2300
Mar. 18: 900 – 1500*
*Installed updated program.

Water Temperature:

Jan. 1: 100 – July 23: 1400
*Installed water temperature gauge on 7/23/91.

Solar Radiation (Eppley):

Jan. 15: 1200 – 1300
Jan. 27: 2300
Mar. 18: 900 – 1500*
*Installed updated program.

Water Level:

Jan. 1: 100 – July 23: 1400*
*Read first met file from new program on 4/1/91, program is not giving water level.
*Installed new water level sensor on 7/23/91.
Nov. 18: 200 – Dec. 31: 2400

Conductivity:

No data available for 1991

Barometric Pressure:

Jan. 1: 100 – Feb. 5: 2400*
*Barometric pressure showing same value from 1/11 to 1/31, censored data.
*Changed program for barometric pressure on 2/2/91.
*Checked barometric pressure on 2/6/91, tightened signal wire, appears to be fine.
Mar. 8: 1600 – Mar. 13: 800
Mar. 14: 1800 – Mar. 18: 1500*
*Installed updated program on 3/18/91.
April 19: 1800 – April 21: 1100

May 8: 1500 – May 11: 1500
May 21: 800 – May 27: 900

Solar Radiation (Licor):
No data available for 1991

1992

Wind Velocity:
Feb. 3: 1000
May 18: 1000 – 1100
July 24: 1800 – July 28: 1200*
*Wind velocity sensor down, changed out, appears to be fine now.
Nov. 13: 1000 – 1500

Max Wind Velocity:
No data available for 1992

Wind Direction:
Feb. 3: 1000
May 18: 1000 – 1100
Nov. 13: 1000 – 1500

Air Temperature:
Jan. 8: 1200
Feb. 3: 1000
May 18: 1000 – 1100
Nov. 13: 1000 – 1500

Water Temperature:
Feb. 3: 1000
May 18: 1000 – 1100
May 19: 1000 – 1300
Aug. 21: 1000
Nov. 13: 1000 – 1500

Solar Radiation (Eppley):
Feb. 3: 1000
May 18: 1000 – 1100
Aug. 21: 1000
Nov. 13: 1000 – 1500

Water Level:
Jan. 1: 100 – Jan. 8: 1200*
*Checked water level on 1/6/92, not reading properly, data censored.
*Replaced water level sensor on 1/6/92.
Feb. 3: 1000
May 18: 1000 – 1100
May 19: 1000 – 1300
Aug. 11: 100 – Aug. 21: 1000*
*Discovered problem with water level data on 8/20/92, censored data. Changed water level sensor, appears to be working fine.
Nov. 13: 1000 – 1500

Conductivity:

Jan. 1: 100 – Jan. 31: 1000*
*Installed conductivity sensor on 1/31/92.
Feb. 3: 1000
Mar. 1: 2000 – 2200
May 18: 1000 – 1100
May 19: 1000 – 1300
July 31: 1500 – 1600
Aug. 2: 1000
Aug. 3: 1500 - 1600
Aug. 21: 1000
Nov. 3: 1200 – Nov. 13: 1500*
*Discovered problem with conductivity readings on 11/12/92, censored bad data.

Barometric Pressure:
Feb. 3: 1000
Feb. 6: 100 – Feb. 24: 900*
*Determined barometric pressure has not been reading properly on 2/25/92, censored data from 2/6 to 2/24. Changed sensor and reprogrammed.
May 18: 1000 – 1100
July 10: 100 – 2400
Nov. 13: 1000 – 1500

Solar Radiation (Licor):
No data available for 1992

1993

Wind Velocity:
Mar. 10: 1500
May 31: 1100 – June 1: 1700*
*Problems with program in storage module, lost data.
July 12: 1300 – 2000

Max Wind Velocity:
Mar. 10: 1500
May 31: 1100 – June 1: 1700*
*Problems with program in storage module, lost data.
July 12: 1300 – 2000

Wind Direction:
Mar. 10: 1500
May 31: 1100 – June 1: 1700*
*Problems with program in storage module, lost data.
July 12: 1300 – 2000
Aug. 25: 1500 – Aug. 30: 1000*
*Wind direction sensor damaged by a bird, censored data.

Air Temperature:
Mar. 10: 1500
May 31: 1100 – June 1: 1700*
*Problems with program in storage module, lost data.
July 12: 1300 – 2000

Water Temperature:
Feb. 7: 2200
Feb. 15: 700 - 800

Mar. 10: 1500
May 31: 1100 – June 1: 1700*
*Problems with program in storage module, lost data.
July 12: 1300 – 2000
Sept. 23: 1100

Solar Radiation (Eppley):
Mar. 10: 1500
May 31: 1100 – June 1: 1700*
*Problems with program in storage module, lost data.
July 12: 1300 – 2000

Water Level:
Mar. 10: 1500
May 31: 1100 – June 1: 1700*
*Problems with program in storage module, lost data.
July 12: 1300 – 2000
Sept. 23: 1100

Conductivity:
Mar. 10: 1500
May 31: 1100 – June 1: 1700*
*Problems with program in storage module, lost data.
July 12: 1300 – 2000
Sept. 23: 1100

Barometric Pressure:
Mar. 10: 1500
May 31: 1100 – June 1: 1700*
*Problems with program in storage module, lost data.
July 12: 1300 – 2000

Solar Radiation (Licor):
No data available for 1993

1994

Wind Velocity:
Sept. 26: 800 – Sept. 29: 600
Oct. 3: 900 – Oct. 6: 500
Oct. 10: 100
Oct. 10: 800 – Oct. 13: 600
Oct. 17: 800 – Oct. 20: 600
Oct. 24: 800 – Oct. 27: 700

Max Wind Velocity:
Sept. 26: 800 – Sept. 29: 600
Oct. 3: 900 – Oct. 6: 500
Oct. 10: 100
Oct. 10: 800 – Oct. 13: 600
Oct. 17: 800 – Oct. 20: 600
Oct. 24: 800 – Oct. 27: 700

Wind Direction:
Sept. 26: 800 – Sept. 29: 600
Oct. 3: 900 – Oct. 6: 500

Oct. 10: 100
Oct. 10: 800 – Oct. 13: 600
Oct. 17: 800 – Oct. 20: 600
Oct. 24: 800 – Oct. 27: 700

Air Temperature:

Sept. 26: 800 – Sept. 29: 600
Oct. 3: 900 – Oct. 6: 500
Oct. 10: 100
Oct. 10: 800 – Oct. 13: 600
Oct. 17: 800 – Oct. 20: 600
Oct. 24: 800 – Oct. 27: 700

Water Temperature:

Sept. 26: 800 – Sept. 29: 600
Oct. 3: 900 – Oct. 6: 500
Oct. 10: 100
Oct. 10: 800 – Oct. 13: 600
Oct. 17: 800 – Oct. 20: 600
Oct. 24: 800 – Oct. 27: 700

Solar Radiation (Eppley):

Sept. 26: 800 – Sept. 29: 600
Oct. 3: 900 – Oct. 6: 500
Oct. 10: 100
Oct. 10: 800 – Oct. 13: 600
Oct. 17: 800 – Oct. 20: 600
Oct. 24: 800 – Oct. 27: 700

Water Level:

May 2: 800 – 1200*
May 16: 800 – 1200*

*Discovered problems with water level on 5/20/94, began on 4/27/94. Sensor was drifting off. See anomalous data documentation.

Sept. 26: 800 – Sept. 29: 600
Oct. 3: 900 – Oct. 6: 500
Oct. 10: 100
Oct. 10: 800 – Oct. 13: 600
Oct. 17: 800 – Oct. 20: 600
Oct. 24: 800 – Oct. 27: 700

Conductivity:

Sept. 26: 800 – Sept. 29: 600
Oct. 3: 900 – Oct. 6: 500
Oct. 10: 100
Oct. 10: 800 – Oct. 13: 600
Oct. 17: 800 – Oct. 20: 600
Oct. 24: 800 – Oct. 27: 700

Barometric Pressure:

Sept. 26: 800 – Sept. 29: 600
Oct. 3: 900 – Oct. 6: 500
Oct. 10: 100
Oct. 10: 800 – Oct. 13: 600
Oct. 17: 800 – Oct. 20: 600
Oct. 24: 800 – Oct. 27: 700

Solar Radiation (Licor):

Jan. 1: 100 – Oct. 5: 1300
Oct. 6: 600 – 700
Oct. 7: 600 – 700
Oct. 8: 600 – 700
Oct. 9: 600 – 700, 1500 – Oct. 12: 600
Oct. 16: 800 – Oct. 19: 700

1995

Wind Velocity:

Mar. 6: 900
Sept. 18: 900 – 1400
Sept. 22: 100 – 200
Nov. 27: 900
Dec. 11: 1000*
*Power outage, reset.
Dec. 21: 900, 1200 – 1500

Max Wind Velocity:

Sept. 18: 900 – 1400
Sept. 22: 100 – 200
Nov. 27: 900
Dec. 11: 1000*
*Power outage, reset.
Dec. 21: 900, 1200 – 1500

Wind Direction:

Sept. 18: 900 – 1400
Sept. 22: 100 – 200
Nov. 27: 900
Dec. 11: 1000*
*Power outage, reset.
Dec. 21: 900, 1200 – 1500

Air Temperature:

Sept. 18: 900 – 1400
Sept. 22: 100 – 200
Nov. 27: 900
Dec. 11: 1000*
*Power outage, reset.
Dec. 21: 900, 1200 – 1500

Water Temperature:

Sept. 18: 900 – 1400
Sept. 22: 100 – 200
Nov. 27: 900
Dec. 11: 1000*
*Power outage, reset.
Dec. 21: 900, 1200 – 1500

Solar Radiation (Eppley):

Sept. 18: 900 – 1400
Sept. 22: 100 – 200
Nov. 27: 900
Dec. 11: 1000*

*Power outage, reset.
Dec. 21: 900, 1200 – 1500

Water Level:
Feb. 25: 1000 – Feb. 27: 1500*
*Changed water level sensor.
Sept. 17: 600 – 1900, 2400
Sept. 18: 900 – 1400*
*Replaced water level gauge.
Sept. 22: 100 – 200
Nov. 27: 900
Dec. 11: 1000*
*Power outage, reset.
Dec. 21: 900, 1200 – 1500

Conductivity:
May 30: 1700
June 24: 500
June 28: 2200
Sept. 18: 900 – 1400
Sept. 22: 100 – 200
Nov. 27: 900
Dec. 11: 1000*
*Power outage, reset.
Dec. 21: 900, 1200 – 1500

Barometric Pressure:
Sept. 18: 900 – 1400
Sept. 22: 100 – 200
Nov. 27: 900
Dec. 11: 1000*
*Power outage, reset.
Dec. 21: 900, 1200 – 1500

Solar Radiation (Licor):
June 25: 1400*
*Removed reading because it was an extreme outlier (see Anomalous Data Documentation).
Sept. 18: 900 – 1400
Sept. 22: 100 – 200
Nov. 27: 900
Dec. 6: 1000 – Dec. 31: 2400*
*Problems with Licor Quantum sensor, was removed and sent in for repairs on 12/11/95, censored data.

1996

**Consists of data from January 1 through April 29 at 11 a.m.

Wind Velocity:
No missing data for this period

Max Wind Velocity:
No missing data for this period

Wind Direction:
No missing data for this period

Air Temperature:
No missing data for this period

Water Temperature:
No missing data for this period

Solar Radiation (Eppley):
No missing data for this period

Water Level:
No missing data for this period

Conductivity:
No missing data for this period

Barometric Pressure:
No missing data for this period

Solar Radiation (Licor):
Jan. 1: 100 – Jan. 15: 1800*
*Reinstalled recalibrated Licor Quantum sensor along with solar panel on 1/15/96.