APPENDIX I

Clayton Statement of Data Qualifications

concerning the

MILLENNIUM PETROCHEMICALS, INC.
Tuscola, Illinois Facility

Clayton Group Services
Detroit Regional Laboratory

October 9, 2001

Clayton℠
GROUP SERVICES

APPENDIX I

LABORATORY STATEMENT OF DATA QUALIFICATIONS

Clayton GROUP SERVICES

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Clayton GROUP SERVICES

STATEMENT OF DATA QUALIFICATIONS

Client: CLAYTON GROUP SERVICES
Project: 15-00116.01/MILLENNIUM PETROCHEMICALS, INC.

Introduction:

This QA/QC review has been updated to include Millennium Petrochemicals, Inc. samples collected and analyzed by Clayton Group Services in August and September 2001. The information contained in this review was obtained from a review of the analytical and QC reports. The samples affected by this review are listed in Appendix F.

Chain-of-Custody:

1. All soil samples were received on ice. Appendix A contains a list of sample collection dates and sample temperatures recorded by the laboratory at the time of sample receipt.

2. All water samples were received on ice. Appendix B contains a list of sample collection dates and sample temperatures recorded by the laboratory at the time of sample receipt. Additionally, all water samples, requiring acid or base preservation, were received by the laboratory at the proper pH except for:
   - Ammonia/COD samples 00120004-001 through 00120004-009 were received at a neutral pH. The pH of the samples was adjusted by the addition of one milliliter of concentrated sulfuric acid.
   - Ammonia samples 00120170-001, 00120170-002, 00120192-001, 00120192-002, 000120236-001, 00120236-0020120247-001, 00120247-002, 00120243-001, 00120243-002, were received at a neutral pH. The pH of the samples was adjusted by the addition of one half milliliter of concentrated sulfuric acid.
   - Cyanide samples 00120236-001 and 00120236-002 required the addition of sodium hydroxide to correct the pH.

3. Sample SL907HA-001113 (Clayton # 00110689-011) received on 11/17/2000 was not listed on the chain-of-custody.

Atlanta • Boston • Chicago • Cleveland • Dallas • Danbury • Denver • Detroit • Ft. Lauderdale • Honolulu • Indianapolis
Los Angeles • Minneapolis • New York • Oklahoma City • Philadelphia • Portland • San Antonio • San Francisco • Seattle • Wichita

4. Sample RB-1 (Clayton #00120004-009) received on 12/01/2000 was not originally listed in the chain-of-custody.

5. The laboratory did not receive sample SL13HB-001128, which was listed on the chain-of-custody. The client was notified at the time of sample receipt.

6. Sample SS03-001205 (Clayton # 00120310-001) received on 12/08/2000 was not listed on the chain-of-custody.

Volatile Organic Compounds:

1. An internal standard was outside acceptance criteria for samples 0010628-003, 00110685-007, 00110685-009, 00110689-001, 00110689-007, 00110689-008, 00110731-001, 00110731-002, 00110833-001, 00110833-002, 00110833-003, 00110833-005, 00110833-008, 00120016-003, 00120016-004, 00120016-005, 00120016-006, 00120016-007, 00120016-008, 00120021-001, and 00120021-003. This did not affect the sample results.

2. Lower reporting limits could not be achieved because of the concentration of one or more target compounds. The samples affected by this are 00110689-009, 00110731-005, 00110731-006, 00110787-001, 00110787-002, and 00110833-009.

3. For sample 00117044-003, the internal standards were outside criteria. The results for toluene and total xylenes represent maximum values.

4. For sample 00120016-001, the internal standards were outside of acceptance criteria. The results for toluene, ethylbenzene, and total xylenes represent maximum values.

5. For sample 00120021-008, the internal standards were outside of acceptance criteria. The results for acetone, methylene chloride, benzene, and toluene represent maximum values.

6. In batch R3117, the 1,1,2,2-Tetrachloroethane matrix spike/matrix spike duplicate (Clayton # 00120431-001) recovered outside acceptance criteria.

7. One VOA vial for sample MW01S-010307 (Clayton #01030206-007) was received broken. The other VOA vials provided the laboratory with sufficient sample volume to perform the required analysis.

Semivolatile Organic Compounds:

1. Lowering reporting limits could not be achieved because of matrix interference. Sample affected by this are 00110685-001, 00110685-004, 00110685-006, 00110685-007, 00110685-008, 00110689-007, 00110689-008, 00110689-009, 00110731-005, 00110731-006, 00110787-001, 00110787-003, 00120016-001, 00120016-002, 00120016-003, 00120016-004, 00120016-005, 00120016-006, 00120018-008, 00120021-002, 00120021-005, 00120021-006, and 00120021-010.

2. Many samples contained large hydrocarbon peaks. Dilutions were required to quantify surrogates and compounds of interest. The reporting limits were elevated based on the dilutions. The PNA/SVOC sample extracts were very dark in color. The only technique available to cleanup PNA/SVOC extracts in GPC. GPC cleanup was not performed on these extracts. The laboratory does not normally investigate these unknown compounds or the interfering hydrocarbon peaks. The laboratory only looks for compounds of interest.

   It has been Clayton's experience that the GPC cleanup procedure does not effectively eliminate midrange unknown hydrocarbons. Additionally, Clayton analyzed these samples using reasonable care applicable to all environmental laboratories following SW846 8270C. The standard laboratory procedure used when confronted with matrix interference due to unknown hydrocarbons is to dilute the sample, if necessary, and reanalyze the sample, to confirm the matrix interference. The samples affected by matrix interference are sludge and soil samples. These samples are listed in Attachment C. Clayton Group Services will review the corresponding PNA/SVOC chromatograms to identify, if possible, the compound(s) causing the matrix interference.

   All samples from 2000.

3. For sample 00110689-011, lower reporting limits could not be achieved due to sample matrix. Please note that the recovery of the internal standard was outside acceptance criteria and it did not affect the validity and correctness of the data.

4. In batch 641, the acenaphthylene, dibenzo(a,h)anthracene, and pyrene matrix spike/matrix spike duplicate (MS/MSD) (Clayton #00110689-001) recovered outside acceptance criteria. Additionally, the naphthalene, acenaphthene, fluorene, and benzo(g,h,i) perylene MSD and anthracene matrix spike recovered outside acceptance criteria. The laboratory control standard (LCS) extracted and analyzed with the sample recovered within acceptance criteria for all applicable compounds.

5. For Method PNA SIM, lower reporting limits could not be achieved due to matrix interference. Sample affected by this are 00110685-001, 00110685-004, 00110685-006, 001100685-007, 00110685-008, 00110731-005, 00110731-006, 00110833-002, 00110833-006, 00110833-008, 00120016-001, 00120016-002, 00120016-003, 00120016-004, 00120016-005, and 00120016-008.

6. For sample 00110833-006, most compounds in the matrix spike and matrix spike duplicate recovered outside acceptance criteria due to matrix interference. All compounds in the LCS/LCS duplicate extracted and analyzed with the MS/MSD recovered within acceptance criteria.

7. For sample 00110833-009, dibenzofuran and 2,4-dinitrotoluene results are estimated because an internal standard co-eluted with an unknown compound. This caused the internal standard to recover outside acceptance criteria.

8. For sample 00110833-009, lower reporting limits could not be achieved due to the concentrations of one or more of the target compounds over instrument linear range.

9. In batch 814, the 2,4-dinitrotoluene LCS duplicate analyzed with samples from workorder 00120114 recovered outside acceptance criteria.

10. For workorders 00120236, 00120243, 00120247, and 00120250, all surrogates in client samples and QC samples were double spiked. During sample extraction, the laboratory accidentally added a double amount of surrogate to the client and QC samples. When calculated as a double spike, most surrogates were above the acceptance criteria, indicating a probable high bias to the sample results.

11. N-Nitroso-di-n-porpylamine in the matrix spike Sample # 00120253-004) recovered outside acceptance criteria. This MS/MSD was performed on another client's sample

12. In batch 934, workorder 00120439, the naphthalene LCS recovered outside acceptance criteria. In addition, the relative percent difference was outside the acceptance criteria.

13. In batch 1772 (workorder # 01030261), PNA SIM, the naphthalene LCS recovered outside acceptance criteria. The LCS duplicate recovered within acceptance criteria.

14. In batch 1772, SVOC 8270C, 2,4-dinitrotoluene and phenol in the MS/MSD recovered outside acceptance criteria. The MS/MSD provides sample specific information from a different project's sample processed in the same batch as the Millennium Petrochemicals samples. The information obtained from this MS/MSD is not specifically applicable to the Millennium Petrochemicals, Inc. samples.

15. In batch 1749, PNA SIM, naphthalene in the matrix spike (Clayton # 01030176-016) recovered outside acceptance criteria. Additionally, benzo(g,h,i)perylene in the matrix spike duplicate recovered outside acceptance criteria.

16. In batch 1749, SVOC 8270C, the 2-chlorophenol, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and 2,4-dinitrotoluene matrix spike (Clayton # 01030176-016) recovered outside acceptance criteria.

17. In batch 1813, PNA SIM, the naphthalene matrix spike recovered outside acceptance criteria. Naphthalene in the matrix spike duplicate recovered within acceptance criteria.

18. For sample 01030176-022, an internal standard was outside of acceptance criteria. The results for bis(2-ethylhexyl)phthalate and di-n-octyl phthalate represent maximum values.

19. Analytical Comments for Method 8270PNASINW, workorder 01080181: The naphthalene laboratory control sample (LCS2) recovered within acceptance criteria (32-99.5%). This criteria listed on the "Spiked Recovery & RPD Summary Report" is a default limit.

20. Analytical Comment for Method 8270W, sample 01080321-015: Bis(2-ethylhexyl)phthalate was found in the blank at 45 ug/L.

21. Analytical Comments for 8270W, workorder 01080398: 2,4-Dinitrotoluene recovered outside acceptance criteria in the LCS-1 and LCS-2. This did not affect the sample results.

, MW 045

22. Analytical Comments for Method 8270W, sample 01080398-001: Reporting limits could not be achieved due to limited sample volume. understood

PCBs:

1. The Aroclor 1016 and Aroclor 1260 MS/MSD (Clayton # 00110689-010) recovered outside acceptance criteria due to matrix interference.

2. For sample 00120016-008, Aroclor 1016 did not recover in the matrix spike and matrix spike duplicate due to matrix interference.

3. Lower reporting limits could not be achieved due to matrix interference for samples 00120016-001, 00120016-002, 00120016-003,

Metals:

1. All metals soil/sludge samples were digested in an "as received" state following EPA 3050 protocol to use a representative "wet aliquot." The procedure Clayton followed attempts to take the best representative aliquot of the entire sample. Depending on the non-homogeneity of the aliquot of sample taken, the MS/MSD may vary from the non-spiked sample. This can affect QC results. While Appendix Q in the R5 Model QAPP may improve the QC results, it does not guarantee a better representation of the sample. A review of the QC data associated with the Millennium Petrochemical samples indicates that the sample matrix caused the MS/MSD recovery outliers; however, overall precision was good. The soil/sludge samples chosen for the MS/MSD contained high concentration of metals.

2. In batch 4584, method 6010, the aluminum, calcium, iron, and magnesium MS/MSD and manganese matrix spike digested and analyzed with samples from workorder 00110689 recovered outside acceptance criteria due to matrix interference.

3. In batch 4585, method 6020, the barium, copper, and silver LCS digested and analyzed with samples from workorder 00110689 recovered outside statistically derived acceptance criteria but within the method specific acceptance criteria.

4. For both method 6010 and 6020, most of the metals in the matrix spike and matrix spike duplicate digested and analyzed with the samples from workorders 00110685, 00110689, and 00120016 recovered outside method acceptance criteria due matrix interference. The matrix spike/matrix spike duplicate was performed on another client's sample.

5. In batch 627, method 6020, beryllium in the LCS digested and analyzed with samples from workorder 00110685 recovered outside statistically derived acceptance criteria but within the method specific acceptance criteria.

6. In batch 669, method 6020, the beryllium and selenium LCS digested and analyzed with samples from workorder 00110731 and 00110744 recovered outside the statistically derived acceptance criteria but within the method specific acceptance criteria.

7. For both methods 6010 and 6020, most metals in the MS/MSDs performed on Millennium Petrochemicals samples 00110731-001, 00110787-005, 00110833-006, 00120310-001, and 00120253-004 recovered outside method acceptance criteria due matrix interference.

8. In batch 774, method 6020, the arsenic, nickel, and vanadium LCS digested and analyzed with samples from workorder 00120004 recovered outside the statistically derived acceptance criteria but within the method specific acceptance criteria.

9. For method 6010, the calcium, magnesium, and sodium MS/MSD (Clayton #00120004-003 and 00120236-001) recovered outside acceptance criteria. The sample concentration was four times greater than the spike amount.

10. For method 6010, the potassium matrix spike (Clayton # 00120004-003) recovered outside the statistically derived acceptance criteria but within the method specific acceptance criteria.

11. For method 6020, the arsenic and vanadium MS/MSD (Clayton # 00120004-003) recovered outside the statistically derived acceptance criteria but within the method specific acceptance criteria.

12. For method 6020, the zinc matrix spike (Clayton #00120004-003) recovered outside acceptance criteria. The sample concentration was four times greater than the spike concentration.

13. For method 6020, the arsenic LCS digested and analyzed with samples from workorders 00120114 (batch 829), 00120170 (batch 868), 00120179 (batch 868), 00120243 (batch 885), 00120247 (batch 868) recovered outside statistically derived acceptance criteria but within the method specific acceptance criteria.

14. For method 6020, the chromium matrix spike (Clayton #00120114-001) recovered outside acceptance criteria. The sample concentration was four times greater than the spike concentration.

15. For method 6020, the arsenic (Clayton # 00120114-001, 00120243-001, 00120431 001, 00120433-002), antimony (Clayton # 00120431-001), nickel (Clayton # 00120243-001), and arsenic, chromium, and nickel (Clayton # 00120170-001) matrix spike and matrix spike duplicates recovered outside statistically derived acceptance criteria but within method specified acceptance criteria.

16. For method 6010, the calcium, magnesium, and sodium MS/MSD performed on Millennium Petrochemicals (Clayton # 00120170-001) recovered outside acceptance criteria due matrix interference

17. For method 6010, the calcium matrix spike (Clayton # 00120433-002) recovered outside statistically derived acceptance criteria but within method specified acceptance criteria.

18. In batch 1743, the calcium magnesium, manganese, and sodium MS/MSD performed on Millennium Petrochemicals (Clayton # 01030136-001) recovered outside acceptance criteria. The sample concentration was greater than four times the spike amount.

19. In batch 1743, the aluminum and iron matrix spike recovered outside acceptance criteria. Additionally, nickel and zinc in the matrix spike duplicate recovered outside acceptance criteria.

20. For method 6010, the calcium and sodium MS/MSD performed on Millennium Petrochemicals sample 01030312-001 recovered outside acceptance criteria. The sample concentration was greater than four times the spike amount.

21. For Method 6020W_S, sample 01080181-003: Actual value of selenium blank is 2 ug/L. All samples were non-detect for selenium.

22. For Method 6010W_S, workorder 01080181: The potassium laboratory control sample recovered (103%) outside statistically derived acceptance criteria (90-120%), but within method specific acceptance criteria (75-125%). OK

23. For Method 6020W_S, workorder 01080181: The zinc laboratory control sample recovered (138%) outside statistically derived acceptance criteria (86-134%). OK

MW F055

24. For Method 6010W_S, sample 01080181-002: The boron (88.6%) and calcium (805) matrix spike recovered outside statistically derived acceptance criteria (90-109%) and (94-122%) respectively, but within method specific criteria (75-125%). Do they mean 80-5%? If so, OK.

25. For Method 6010W_S, sample 01080181-002: The magnesium (70%) and Sodium (70%) matrix spike recovered outside statistically derived acceptance criteria and method specific criteria because the sample concentration, which is greater than four times the spike value, masked the matrix spike recovery. OK

26. For Method 6010W_S, sample 01080181-002: The calcium (86%), magnesium (84%) and sodium (86%) matrix spike duplicate recovered outside statistically derived acceptance criteria, (94-122%), (87-113%), and (94-115%) respectively, but within method specific criteria (75-125%). OK

27. For Method 6020W_S, sample 01080181-002: The copper matrix spike (94.6%) recovered outside statistically derived acceptance criteria (96.7-113%), but within method specific criteria (75-125%). OK

28. For Method 6020W_S, sample 01080181-002: The zinc relative percent difference (RPD) was outside acceptance criteria; however, both matrix spike and matrix spike duplicate recoveries are within acceptance criteria. OK

MW F055

29. For Method 6010W_S, sample 01080231-009: The potassium matrix spike and matrix spike duplicate (103% and 102%) recovered outside statistically derived acceptance criteria (90.7-101.7%), but within method specific criteria (75-125%). OK

GW Samples (MW-02) → 01080181

MW F05 S

30. For Method 6010W_S, sample 01080231-009: The calcium matrix spike and the magnesium and sodium matrix spike /matrix spike duplicates recovered outside acceptance criteria because the sample concentration is greater than four times the spike value and masked the matrix spike recovery. by how much? probably OK

MW035

31. For Method 6020W_S, sample 01080321-013: The copper matrix spike and matrix spike duplicate (91.3% and 89%) recovered outside statistically derived acceptance criteria (96.7-113%), but within method specific criteria (75-125%). OK

MW F035

32. For Method 6020W_S, sample 01080321-016: The copper matrix spike and matrix spike duplicate (91.7 and 96.7%) recovered outside statistically derived acceptance criteria (96.7-113%), but within method specific criteria (75-125%). OK

33. ~~For Method~~ 6020W_S, sample 01080321-016: The selenium matrix spike recovered outside for method criteria. by how much?

GW

34. For Method 6020W, workorder 01080265: The zinc laboratory control sample recovered outside acceptance criteria. by how much?

GW

23. For Method 6010W, workorder 01080321: The calcium laboratory control sample (122%) recovered outside statistically derived acceptance criteria (82.6-119%), but within method specific acceptance criteria (75-125%). OK

GW

24. For Method 6020W, workorder 01080321: The zinc laboratory control sample (138%) recovered outside acceptance criteria. OK

GW

25. For Method 6010W, samples 01080321-013 and 01080321-016: The potassium matrix spike (112% and 111%, respectively) recovered outside statistically derived acceptance criteria (90.7-101.7%), but within method specific acceptance criteria (75-125%). OK

GW

26. For Method 6010W, samples 01080321-013 and 01080321-016: The calcium, magnesium, and sodium matrix spike/matrix spike duplicates and the iron matrix spike duplicate recovered outside acceptance criteria because the sample concentrations are greater than four times the spike values and masked the matrix spike recovery. by how much? probably OK

GW

27. For Method 6010W, sample 01080321-013: The magnesium and potassium matrix spike duplicates (84.8% and 107%, respectively) recovered outside statistically derived acceptance criteria (90.1-108.4% and 90.7-101.7%, respectively), but within method specific acceptance criteria (75-125%). OK

28. For Method 6010W, sample 01080321-016: The boron, magnesium, and potassium matrix spike duplicates (117% , 116%, and 116%, respectively) recovered outside statistically derived acceptance criteria (89.9-109.9%, 90.1-108.4% and 90.7-101.7%, respectively), but within method specific acceptance criteria(75-125%). OK

29. For Method 6010W_S, sample 01080398-013: Magnesium and sodium were found in the laboratory blank. This did not affect the sample results because all samples contained magnesium and sodium at concentrations greater than ten times the laboratory blank concentration. OK

30. For method 6010W_S, sample 01080398-021: The calcium matrix spike and matrix spike duplicate (84% and 82%, respectively) recovered outside the statistically generated acceptance criteria (94-122%), but within method acceptance criteria (75-125%). OK

31. For Method 6020W_S, sample 01080398-020: The copper matrix spike and matrix spike duplicate (86% and 87%, respectively) recovered outside the statistically derived acceptance criteria (97-113%), but within method acceptance criteria (75-125%). OK

32. For Method 6010W, sample 01090146-001: The calcium, magnesium, and sodium matrix spike/matrix spike duplicate recovered outside acceptance criteria because the sample concentration is greater than four times the spike value and masked the spike recovery. by how much? probably OK

33. For Method 6020W, sample 01090146-001: The vanadium matrix spike duplicate recovered outside statistically derived acceptance criteria not within method specific criteria. by how much?

General Chemistry:

1. All soil samples were subcontracted to AAC Trinity in Farmington Hills, MI for alkalinity, chloride, fluoride, sulfate, BOD, COD, ammonia, cyanide, and sulfide analyses. Analyses (with the exception of cyanide) were performed on a neutral leachate (ASTM 3987 Neutral Leach Extraction Procedure) of the soil sample submitted. Results obtained from the leachate were converted to mg/kg of soil by applying the extraction factor of 20 to the aqueous concentrations.

2. All water samples were subcontracted to AAC Trinity in Farmington Hills, MI for BOD analysis. The following samples were subcontracted to AAC Trinity in Farmington Hills, MI for BOD analysis: 00120170-001, 00120170-002, 00120179-001, 00120179-002, 00120236-001, 00120236-002, 00120236-001, 00120236-002, 00120243-001, 00120243-002, 00120247-001, 00120247-002, 00120250-001, 00120250-002, 00120274-001, 00120274-002, 00120275-001, and 00120275-002.

3. Samples 00120236-001 and 01030312-001 were received, by the laboratory, past the EPA recommended hold time for BOD analysis.

4. Chloride and fluoride analyses were completed past the EPA recommended hold time for samples 00120434-003 and 00120434-004.

5. The general chemistry sample concentrations are reported in wet weight for samples 00110685-001 through 00110685-009, 00110689-001 through 00110689-011, 00110744-001 through 00110744-006, 00110787-001 through 00110787-005, and 00120310-001.

6. Analytical Comments for METHOD EPA_405.1 (BOD): Results for all samples reflect the BOD present in the leachate of the soil sample and are not calculated to represent the BOD in the original sample matrix. BOD results are reported as mg/L of leachable BOD.

7. For workorder number 00110744, the cyanide results are reported as mg/kg-dry and have been calculated as dry-weight using the percent moisture result.

8. For workorders 00110787 and 00110833, the cyanide LCS recovered outside acceptance criteria. The cyanide MS/MSD recovered within acceptance criteria.

9. For samples 00120004-001 through 00120004-009, sulfide and TDS analyses were completed past the EPA recommended hold time.

10. Sulfide analysis was performed past the EPA recommended hold time for the following samples: 00120170-001, 00120179-001, 00120179-002, 00120179-003, 00120192-001, 00120192-002, 00120192-003, 00120236-001, 00120236-002, 00120243-001, 00120243-002, 00120247-001, 00120247-002, 00120250-001, 00120250-002, 00120274-001, 00120274-002, 00120275-001, 00120275-002, 00120326-001, 0012326-002, and 00120424-002.

11. The samples 00120004-001 through 00120004-009 and 00120310-001 were received past the EPA recommended hold time for pH analysis.

12. TDS was present in the laboratory blank and rinse blank. These results should not affect the sample results because the sample results were greater than ten times both blank results. The following samples were affected: 00120004-001 through 00120004-009, 00120170-001, 00120179-001, 00120179-003, 00120192-001, 00120192-003, 00120236-001, 00120236-003, 00120243-001, 00120243-004, 00120247-001, 00120247-003, 00120274-001, 00120274-003, 00120275-001, 00120275-003, 00120326-001, and 00120326-003.

13. In batch R3073, workorder 00120004, the sulfide LCS recovered outside acceptance criteria.

14. The fluoride matrix spikes performed on samples Millennium Petrochemicals samples 00120004-003 and 00120170-002 recovered outside acceptance criteria.

15. The sulfate matrix spikes performed on Millennium Petrochemicals samples 00120179-002 and 00120192-002 recovered outside acceptance criteria.

16. The fluoride matrix spike and matrix spike duplicate performed on Millennium Petrochemicals samples 00120236-001 and 00120245-001 recovered outside acceptance criteria.

17. In batch R6438, workorder 01030312 and 01030206, the COD LCS recovered outside acceptance criteria. The batch also contained two additional LCSs, which recovered within acceptance criteria.

18. For the following samples, the fluoride reporting limit has been raised because a sample dilution was required prior to analysis: 01030176-004, 01030176-005, 01030176-010, 01030176-011, 01030176-022, and 01030176-023.

19. Sample 01030176-022 was reanalyzed past the EPA recommended hold time because of a high sample concentration.

GW MW02S

20. For Method 300.0_W, sample 01080181-001and 01080181-002: The reporting limit for fluoride has been raised due to matrix interference. OK

MW02D MW05S

21. For Method TDS_W, samples 01080231-001 and 01080231-008: TDS analysis was completed past the EPA recommended hold time. By how much? not summarized on analytical report?

MW02D

22. For Method TSS_W, samples 01080231-001: TSS analysis was completed past the EPA recommended hold time.

MWF05S

23. For Method 300.0_W, samples 01080231-009: Sample was received past the EPA recommended hold time for nitrate analysis. The client instructed the laboratory to analyze the sample.

MWF05S Water sample ??

24. For Cr6_W, sample 01080231-009: Sample was received past the EPA recommended hold time for hexavalent analysis. The client instructed the laboratory to analyze the sample. chromium ?? not true used adequate preservation method. * OK

MW04S Trip Blank

25. For Method 376.1W, sample 01080398-001 and 01080398-003: samples were analyzed past the EPA recommended hold time for sulfide analysis. OK

MW04S

26. For Method TDS_W, and TSS_W, sample 01080398-001: The sample was analyzed past the recommended EPA hold time for TDS and TSS analyses. OK

by how much? (probably OK)

27. For Method 335.2, workorder 01090146: The cyanide mid level distillation standard recovered outside acceptance criteria. The matrix spike/matrix spike duplicate and initial calibration verification standard analyzed with the samples and the mid level distillation standard recovered within acceptance criteria.

28. For Method TDS_W, sample 01090146-018: The TDS laboratory blank (concentration of 6.0mg/L) did not affect the sample results because all sample concentration were greater than ten times the reporting limit. OK

General Comments:

1. Please note that all samples were highly reactive. During the semivolatile and PCB extraction process, the samples exhibited a rise in temperature. During the volatile preparation process, the samples foamed and fizzed when coming into contact with sodium bisulfate. During metals digestion, the samples exploded when coming into contact with the concentrated nitric acid required in the digestion process. After this initial difficulty with the sample digestion, the analyst re-digested the samples and added the acid in small quantities so that splattering would not occur. All additional samples were digested in the same way with acid being added in small amounts. With these extra precautions, it was not expected that any recoveries outside acceptance criteria would be due to splattering.

   The EPA suggests that this reaction could be due to the samples being alkaline in nature. An alkaline soil is defined as a soil with a pH of 8.0 or greater. Approximately one half of the soil/sludge samples analyzed had a pH of greater than or equal to 8.0. Additionally, the samples contained high concentrations of calcium, potassium, magnesium, and sodium, which could indicate high concentrations of carbonate (a counter ion to these metals, which would react violently to acid.) Attachment D contains the associated pH and Metals data.

2. After the analyses had already begun, the laboratory discovered that sample 001202341-003 was supposed to be a matrix spike/matrix spike duplicate sample. The client should use the results reported for this sample as a duplicate analysis. The MS/MSD was performed on sample 00120431-001 for volatiles, metals (by method 6020), mercury and BOD.

3. Samples 00110691-001, 00110691-003, 00110691-005, 00110691-007, 001691-009 and 00110691-011 were subcontracted to Southwest Laboratory of Oklahoma, Inc. in Broken Arrow, OK for TOC analysis.

4. Samples 00110691-002, 00110691-004, 00110691-006, 00110691-008, 001691-010 and 00110691-012 were subcontracted to The University of Michigan, Department of Civil and Environmental Engineering in Ann Arbor, MI for Nonvolatile Organic Carbon analysis.

5. The laboratory generates and uses statistically derived acceptance criteria, which are stricter than the method specific criteria. The majority of Clayton Group Services' QC data for the Millennium Petrochemicals samples falls within the statistically derived acceptance criteria; however, there are a few QC data points that fall outside the acceptance range. The methods, used in the analysis of the samples, state that either statistically derived acceptance criteria or method specific acceptance criteria may be used to evaluate the analysis.

6. After further review of the QC data associated with the Millennium Petrochemical samples, the MS/MSD recovery outliers were due to sample matrix. The PNA MS/MSD samples recovered outside acceptance criteria because a dilution was necessary due to the high concentration of unknown hydrocarbons. The soil/sludge samples chosen for the metals MS/MSD contained high concentrations of metals that masked the spike concentration in the MS/MSD.

Clayton GROUP SERVICES

APPENDIX A

SOIL SAMPLE TEMPERATURES

Sample Collection Date	Sample Temperature at Sample Receipt (°C)
11/14/2000	3.5
11/15/2000	3.5
11/15/2000	2.5
11/16/2000	2.5
11/16/2000	4.5
11/17/2000	4.5
11/17/2000	3.9 - 10.7
11/20/2000	5
11/20/2000	3
11/20/2000	3
11/28/2000	4.0 - 6.8
11/28/2000	4.6 - 7.0
11/29/2000	4.6 - 7.0

Compilation of sample collection dates and sample temperatures recorded on the time of sample receipt.

Clayton GROUP SERVICES

APPENDIX B

WATER SAMPLE TEMPERATURES

Sample Collection Date	Sample Temperature at Sample Receipt (°C)
11/29/2000	4.0 - 6.2
12/04/2000	-0.5
12/04/2000	1
12/05/2000	0
12/05/2000	1
12/06/2000	3
12/06/2000	2
12/06/2000	2
12/06/2000	1
12/07/2000	4
12/07/2000	2
12/11/2000	1.7
12/11/2000	2
12/11/2000	3
12/11/2000	1
12/12/2000	2.8
12/12/2000	1.5
12/13/2000	1
12/13/2000	2.5
03/05/2001	2.7 - 4.3
03/06/2001	1.4
03/07/2001	1.4
03/07/2001	2.6
03/08/2001	2.6
03/09/2001	1.2
08/06/2001	4.3
08/06/2001	4.6
08/07/2001	4.6
08/07/2001	3.4
08/08/2001	3.4
08/08/2001	1.3

Compilation of sample collection dates and sample temperatures recorded on the time of sample receipt.

Clayton GROUP SERVICES

APPENDIX B

WATER SAMPLE TEMPERATURES

Sample Collection Date	Sample Temperature at Sample Receipt (°C)
08/09/2001	1.3
08/09/2001	6.3
08/10/2001	6.3
09/05/2001	2.3
09/06/2001	2.3

Compilation of sample collection dates and sample temperatures recorded on the time of sample receipt.

Clayton GROUP SERVICES

APPENDIX C

SAMPLES WITH ELEVATED REPORTING LIMITS

Laboratory ID	Client Sample ID	Analysis
00110685-001	SL01MA-001114	PNA/Semivolatile
00110685-004	SL02MB-001115	PNA/Semivolatile
00110685-006	SL04MB-001115	PNA/Semivolatile
00110685-007	SL904MB-001115	PNA/Semivolatile
00110685-008	SL05MA-001115	PNA/Semivolatile
00110689-007	SL08LA-001116	Semivolatiles
00110689-008	SL08LB-001116	Semivolatiles
00110689-009	SL07HA-001116	Semivolatiles
00110731-005	SL08HA-001116	PNA/Semivolatile
00110731-006	SL08HB-001116	PNA/Semivolatile
00110787-001	SL10HA-001120	PNA/Semivolatile
00110787-003	SL10HB-001120	Semivolatile
00110833-002	SL18HA-001120	PNA/Semivolatile
00110833-008	SL17HB-001121	PNA/Semivolatile
00120016-001	SL14HA-001128	PNA/Semivolatile
00120016-002	SL14HB-001128	PNA/Semivolatile
00120016-003	SL13HA-001128	PNA/Semivolatile
00120016-004	SL12HA-001128	PNA/Semivolatile
00120016-005	SL19HA-001128	PNA/Semivolatile
00120016-006	SL12HB-001128	PNA/Semivolatile
00120016-008	SL16HB-001128	PNA/Semivolatile
00120021-002	SS02-001128	Semivolatiles
00120021-005	SS06-001129	Semivolatiles
00120021-006	SS07-001129	Semivolatiles
00120021-010	SS907-001129	Semivolatiles

WWTP Sludge

River/Intermittent Stream Sediments

Clayton GROUP SERVICES

APPENDIX D

AKALINE SAMPLE DATA

Laboratory ID	Client Sample ID	pH	Calcium (mg/kg)	Magnesium (mg/kg)	Potassium (mg/kg)	Sodium (mg/kg)	Hardness (mg/kg)
00110685-001	SL01MA-001114	8.0	4,300	4,000	1,100	320	27,000
00110685-002	SL01MB-001114	7.7	6,600	4,900	1,100	380	37,000
00110685-003	SL02MA-001114	7.8	6,100	3,500	900	320	30,000
00110685-004	SL02MB-001115	8.2	66,000	30,000	1,300	230	290,000
00110685-005	SL04MA-001115	8.0	15,000	3,200	800	280	51,000
00110685-006	SL04MB-001115	8.2	49,000	4,100	670	250	140,000
00110685-007	SL904MB-001115	8.0	47,000	6,300	1,100	1,400	140,000
00110685-008	SL05MA-001115	8.1	21,000	6,100	950	470	78,000
00110685-009	SL05MB-001115	8.1	72,000	14,000	1,900	880	240,000
00110689-001	SL03MB-001115	8.1	99,000	9,300	1,200	660	290,000
00110689-002	SL03MA-001115	8.2	94,000	7,600	1,000	1,200	260,000
00110689-003	SL07LA-001115	8.0	26,000	8,800	660	180	100,000
00110689-004	SL07LB-001115	7.9	41,000	17,000	1,200	300	170,000
00110689-005	SL06MB-001115	7.6	48,000	3,600	560	320	140,000
00110689-006	SL06MA-001115	7.9	8,400	3,500	710	490	35,000
00110689-007	SL08LA-001116	8.8	160,000	26,000	620	1,200	500,000
00110689-008	SL08LB-001116	8.9	45,000	11,000	1,100	800	160,000
00110689-009	SL07HA-001116	8.1	220,000	12,000	330	440	590,000
00110689-010	SL07HB-001116	8.5	28,000	7,200	670	200	99,000
00110689-011	SL907HA-001116	8.3	200,000	12,000	270	400,000	560,000
00110731-001	SL11HB-001116	7.8	280,000	17,000	290	620	760,000
00110731-002	SL11HB-001116	8.0	260,000	6,800	170	140	650,000
00110731-004	SL11HB-001116 (DP)	7.6	210,000	11,000	230	290	580,000
00110731-005	SL08HA-001116	7.9	170,000	9,600	230	320	470,000
00110731-006	SL08HB-001116	8.0	140,000	7,700	260	290	390,000
00110731-007	SL19HA-001117	5.9	2,000	3,200	650	210	18,000
00110731-008	SL19HB-001117	7.6	11,000	9,300	970	240	66,000
00110744-001	SL20HA-001117	8.0	59,000	4,900	610	300	170,000
00110744-002	SL20HB-001117	8.4	70,000	4,700	410	200	190,000
00110744-003	SL01HA-001117	8.0	61,000	3,800	310	690	170,000
00110744-004	SL01HB-001117	7.5	140,000	11,000	1,200	490	400,000
00110744-005	SL02HA-001117	8.1	430,000	33,000	750	880	1,200,000
00110744-006	SL02HB-001117	9.3	150,000	12,000	210	330	440,000
00110787-001	SL10HA-001120	8.1	200,000	8,900	450	730	540,000
00110787-002	SL910HA-001120	7.7	220,000	7,800	330	770	570,000
00110787-003	SL10HB-001120	7.6	270,000	7,300	270	710	710,000
00110787-004	SL15HB-001120	8.0	170,000	7,800	690	420	450,000
00110787-005	SL15HA-001120	7.7	260,000	13,000	360	420	700,000

Clayton GROUP SERVICES

AKALINE SAMPLE DATA

Laboratory ID	Client Sample ID	pH	Calcium (mg/kg)	Magnesium (mg/kg)	Potassium (mg/kg)	Sodium (mg/kg)	Hardness (mg/kg)
00110833-001	SL18HB-001120	11.7	270,000	9,100	130	160	700,000
00110833-002	SL18HA-001120	7.7	310,000	8,500	200	330	800,000
00110833-003	SL09HA-001121	8.3	390,000	26,000	1,000	900	1,100,000
00110833-004	SL909HA-001121	8.2	320,000	21,000	500	910	890,000
00110833-005	SL17HA-001121	7.7	390,000	7,200	200	650	1,000,000
00110833-008	SL17HB-001121	7.7	170,000	12,000	940	740	480,000
00110833-009	SL09HB-001121	8.2	160,000	15,000	700	460	450,000
00120016-001	SL14HA-001128	8.1	190,000	7,200	800	760	510,000
00120016-002	SL14HB-001128	8.3	29,000	3,600	630	1,000	87,000
00120016-003	SL13HA-001128	8.2	110,000	7,600	790	1,100	310,000
00120016-004	SL12HA-001128	7.6	200,000	21,000	280	860	580,000
00120016-005	SL19HA-001128	7.9	230,000	22,000	260	1,000	680,000
00120016-006	SL12HB-001128	8.1	250,000	38,000	180	1,400	770,000
00120016-007	SL16HA-001128	7.4	150,000	6,100	480	660	400,000
00120016-008	SL16HB-001128	7.3	310,000	13,000	710	1,100	830,000
00120021-001	SS01-001128	8.1	53,000	16,000	980	140	200,000
00120021-002	SS02-001128	8.4	45,000	15,000	550	110	180,000
00120021-003	SS04-001129	7.9	26,000	8,600	910	110	100,000
00120021-004	SS05-001129	7.8	2,800	2,600	440	67	18,000
00120021-005	SS06-001129	7.7	33,000	2,700	2,000	280	94,000
00120021-006	SS07-001129	7.7	18,000	6,800	840	98	74,000
00120021-007	SS08-001129	8.4	36,000	20,000	230	54	170,000
00120021-008	SS09-001129	7.4	7,300	3,900	200	38	34,000
00120021-009	SS10-001129	7.3	14,000	6,000	410	63	60,000
00120021-010	SS907-001129	7.5	20,000	7,100	700	97	80,000
00120310-001	SS03-001205	7.7	3,400	3,300	760	52	22,000

Clayton GROUP SERVICES

APPENDIX E

HOLDING TIME REPORT

Sample ID	Analysis	Date Collected	Date Analyzed
00120326-001	BOD	12/07/2000	12/13/2000
01030312-001	BOD	03/09/2001	03/13/2001
00120434-003	Chloride	12/11/2000	01/19/2001
	Fluoride	12/11/2000	01/09/2001
00120434-004	Chloride	12/11/2000	01/19/2001
	Fluoride	12/11/2000	01/09/2001
00120004-001	Sulfide	11/29/2000	12/15/2000
	TDS	11/29/2000	12/07/2000
00120004-002	Sulfide	11/29/2000	12/15/2000
	TDS	11/29/2000	12/07/2000
00120004-003	Sulfide	11/29/2000	12/15/2000
	TDS	11/29/2000	12/07/2000
00120004-004	Sulfide	11/29/2000	12/15/2000
	TDS	11/29/2000	12/07/2000
00120004-005	Sulfide	11/29/2000	12/15/2000
	TDS	11/29/2000	12/07/2000
00120004-006	Sulfide	11/29/2000	12/15/2000
	TDS	11/29/2000	12/07/2000
00120004-007	Sulfide	11/29/2000	12/15/2000
	TDS	11/29/2000	12/07/2000
00120004-008	Sulfide	11/29/2000	12/15/2000
	TDS	11/29/2000	12/07/2000
00120004-009	Sulfide	11/29/2000	12/15/2000
	TDS	11/29/2000	12/07/2000
00120170-001	Sulfide	12/05/2000	12/18/2000
00120179-001	Sulfide	12/05/2000	12/18/2000
00120179-002	Sulfide	12/05/2000	12/18/2000
00120179-003	Sulfide	12/05/2000	12/18/2000
00120192-001	Sulfide	12/05/2000	12/18/2000
00120192-002	Sulfide	12/05/2000	12/18/2000
00120192-003	Sulfide	12/05/2000	12/18/2000
00120236-001	Sulfide	12/06/2000	12/18/2000
00120236-002	Sulfide	12/06/2000	12/18/2000
00120243-001	Sulfide	12/06/2000	12/18/2000
00120243-002	Sulfide	12/06/2000	12/18/2000
00120247-001	Sulfide	12/06/2000	12/18/2000
00120247-002	Sulfide	12/06/2000	12/18/2000
00120250-001	Sulfide	12/06/2000	12/18/2000
00120250-002	Sulfide	12/06/2000	12/18/2000
00120274-001	Sulfide	12/07/2000	12/18/2000
00120274-002	Sulfide	12/07/2000	12/18/2000

Clayton GROUP SERVICES

Sample ID	Analysis	Date Collected	Date Analyzed
00120275-001	Sulfide	12/07/2000	12/18/2000
00120275-002	Sulfide	12/07/2000	12/18/2000
00120236-001	Sulfide	12/07/2000	12/18/2000
00120236-002	Sulfide	12/07/2000	12/18/2000
00120424-002	Sulfide	12/12/2000	12/18/2000
01080398-001	Sulfide	08/07/2001	08/16/2001
01080398-002	Sulfide	08/07/2001	08/16/2001
00120004-001	pH	11/29/2000	12/01/2000
00120004-002	pH	11/29/2000	12/01/2000
00120004-003	pH	11/29/2000	12/01/2000
00120004-004	pH	11/29/2000	12/01/2000
00120004-005	pH	11/29/2000	12/01/2000
00120004-006	pH	11/29/2000	12/01/2000
00120004-007	pH	11/29/2000	12/01/2000
00120004-008	pH	11/29/2000	12/01/2000
00120004-009	pH	11/29/2000	12/01/2000
00120310-001	pH	11/29/2000	12/01/2000
01080398-001	TDS	08/07/2001	08/15/2001
	TSS	08/07/2001	08/15/2001
01080231-001	TDS	08/06/2001	08/14/2001
	TSS	08/06/2001	08/14/2001
01080231-008	TDS	08/07/2001	08/16/2001
01080231-009	Nitrate	08/06/2001	08/09/2001
	Hexavalent Chromium	08/06/2001	08/08/2001

sulfide too??
-001 & -003

Appendix F

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00110685
Date Received: 11/17/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00110685-001A	SL01MA-001114		11/14/2000 2:50:00 PM
00110685-001B	SL01MA-001114		11/14/2000 2:50:00 PM
00110685-001C	SL01MA-001114		11/14/2000 2:50:00 PM
00110685-001D	SL01MA-001114		11/14/2000 2:50:00 PM
00110685-002A	SL01MB-001114		11/14/2000 3:40:00 PM
00110685-002B	SL01MB-001114		11/14/2000 3:40:00 PM
00110685-002C	SL01MB-001114		11/14/2000 3:40:00 PM
00110685-002D	SL01MB-001114		11/14/2000 3:40:00 PM
00110685-003A	SL02MA-001114		11/14/2000 4:10:00 PM
00110685-003B	SL02MA-001114		11/14/2000 4:10:00 PM
00110685-003C	SL02MA-001114		11/14/2000 4:10:00 PM
00110685-003D	SL02MA-001114		11/14/2000 4:10:00 PM
00110685-004A	SL02MB-001115		11/15/2000 8:05:00 AM
00110685-004B	SL02MB-001115		11/15/2000 8:05:00 AM
00110685-004C	SL02MB-001115		11/15/2000 8:05:00 AM
00110685-004D	SL02MB-001115		11/15/2000 8:05:00 AM
00110685-005A	SL04MA-001115		11/15/2000 11:00:00 AM
00110685-005B	SL04MA-001115		11/15/2000 11:00:00 AM
00110685-005C	SL04MA-001115		11/15/2000 11:00:00 AM
00110685-005D	SL04MA-001115		11/15/2000 11:00:00 AM
00110685-006A	SL04MB-001115		11/15/2000 11:35:00 AM
00110685-006B	SL04MB-001115		11/15/2000 11:35:00 AM
00110685-006C	SL04MB-001115		11/15/2000 11:35:00 AM
00110685-006D	SL04MB-001115		11/15/2000 11:35:00 AM
00110685-007A	SL904MB-001115		11/15/2000 11:35:00 AM
00110685-007B	SL904MB-001115		11/15/2000 11:35:00 AM
00110685-007C	SL904MB-001115		11/15/2000 11:35:00 AM
00110685-007D	SL904MB-001115		11/15/2000 11:35:00 AM
00110685-008A	SL05MA-001115		11/15/2000 9:10:00 AM
00110685-008B	SL05MA-001115		11/15/2000 9:10:00 AM
00110685-008C	SL05MA-001115		11/15/2000 9:10:00 AM
00110685-008D	SL05MA-001115		11/15/2000 9:10:00 AM
00110685-009A	SL05MB-001115		11/15/2000 9:35:00 AM
00110685-009B	SL05MB-001115		11/15/2000 9:35:00 AM
00110685-009C	SL05MB-001115		11/15/2000 9:35:00 AM
00110685-009D	SL05MB-001115		11/15/2000 9:35:00 AM
00110685-010A	LAB BLANK		11/15/2000

Clayton GROUP SERVICES

CLIENT:	CLAYTON GROUP SERVICES
Project:	15-00116.01/Millenium Petrochemical
Lab Order:	00110685
Date Received:	11/17/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00110685-010B	LAB BLANK		11/15/2000
00110685-010C	LAB BLANK		11/15/2000

Clayton GROUP SERVICES

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00110689
Date Received: 11/17/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00110689-001A	SL03MB-001115		11/15/2000 2:00:00 PM
00110689-001B	SL03MB-001115		11/15/2000 2:00:00 PM
00110689-001C	SL03MB-001115		11/15/2000 2:00:00 PM
00110689-001D	SL03MB-001115		11/15/2000 2:00:00 PM
00110689-002A	SL03MA-001115		11/15/2000 2:20:00 PM
00110689-002B	SL03MA-001115		11/15/2000 2:20:00 PM
00110689-002C	SL03MA-001115		11/15/2000 2:20:00 PM
00110689-002D	SL03MA-001115		11/15/2000 2:20:00 PM
00110689-003A	SL07LA-001115		11/15/2000 3:45:00 PM
00110689-003B	SL07LA-001115		11/15/2000 3:45:00 PM
00110689-003C	SL07LA-001115		11/15/2000 3:45:00 PM
00110689-003D	SL07LA-001115		11/15/2000 3:45:00 PM
00110689-004A	SL07LB-001115		11/15/2000 4:15:00 PM
00110689-004B	SL07LB-001115		11/15/2000 4:15:00 PM
00110689-004C	SL07LB-001115		11/15/2000 4:15:00 PM
00110689-004D	SL07LB-001115		11/15/2000 4:15:00 PM
00110689-005A	SL06MB-001115		11/15/2000 4:35:00 PM
00110689-005B	SL06MB-001115		11/15/2000 4:35:00 PM
00110689-005C	SL06MB-001115		11/15/2000 4:35:00 PM
00110689-005D	SL06MB-001115		11/15/2000 4:35:00 PM
00110689-006A	SL06MA-001115		11/15/2000 4:45:00 PM
00110689-006B	SL06MA-001115		11/15/2000 4:45:00 PM
00110689-006C	SL06MA-001115		11/15/2000 4:45:00 PM
00110689-006D	SL06MA-001115		11/15/2000 4:45:00 PM
00110689-007A	SL08LA-001116		11/16/2000 8:00:00 AM
00110689-007B	SL08LA-001116		11/16/2000 8:00:00 AM
00110689-007C	SL08LA-001116		11/16/2000 8:00:00 AM
00110689-007D	SL08LA-001116		11/16/2000 8:00:00 AM
00110689-008A	SL08LB-001116		11/16/2000 8:35:00 AM
00110689-008B	SL08LB-001116		11/16/2000 8:35:00 AM
00110689-008C	SL08LB-001116		11/16/2000 8:35:00 AM
00110689-008D	SL08LB-001116		11/16/2000 8:35:00 AM
00110689-009A	SL07HA-001116		11/16/2000 10:00:00 AM
00110689-009B	SL07HA-001116		11/16/2000 10:00:00 AM
00110689-009C	SL07HA-001116		11/16/2000 10:00:00 AM
00110689-009D	SL07HA-001116		11/16/2000 10:00:00 AM
00110689-010A	SL07HB-001116		11/16/2000 10:40:00 AM

Clayton

CLIENT:	CLAYTON GROUP SERVICES
Project:	15-00116.01/Millenium Petrochemical
Lab Order:	00110689
Date Received:	11/17/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00110689-010B	SL07HB-001116		11/16/2000 10:40:00 AM
00110689-010C	SL07HB-001116		11/16/2000 10:40:00 AM
00110689-010D	SL07HB-001116		11/16/2000 10:40:00 AM
00110689-011A	SL907HA-001113		11/13/2000 10:00:00 AM
00110689-011B	SL907HA-001116		11/16/2000 10:00:00 AM
00110689-011C	SL907HA-001116		11/16/2000 10:00:00 AM
00110689-011D	SL907HA-001116		11/16/2000 10:00:00 AM
00110689-012A	LAB BLANK		11/15/2000

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00110691
Date Received: 11/17/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00110691-001A	SB01/7FT-001113		11/13/2000
00110691-002A	SB01/53FT-001113		11/13/2000
00110691-003A	SB01/67FT-001113		11/13/2000
00110691-004A	SB01/78FT-001113		11/13/2000
00110691-005A	SB04/23.5FT-001113		11/13/2000
00110691-006A	SB04/58FT-001113		11/13/2000
00110691-007A	SB04/66FT-001113		11/13/2000
00110691-008A	SB04/83-86FT-001113		11/13/2000
00110691-009A	SB06/5FT-001113		11/13/2000
00110691-010A	SB06/35.5FT-001113		11/13/2000
00110691-011A	SB06/42FT-001113		11/13/2000
00110691-012A	SB06/66FT-001113		11/13/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00110731
Date Received: 11/18/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00110731-001A	SL11HA-001116		11/16/2000 3:15:00 PM
00110731-001B	SL11HA-001116		11/16/2000 3:15:00 PM
00110731-001C	SL11HA-001116		11/16/2000 3:15:00 PM
00110731-002A	SL11HB-001116		11/16/2000 2:30:00 PM
00110731-002B	SL11HB-001116		11/16/2000 2:30:00 PM
00110731-002C	SL11HB-001116		11/16/2000 2:30:00 PM
00110731-004A	SL11HB-001116 (DUP)		11/16/2000 2:30:00 PM
00110731-004B	SL11HB-001116 (DUP)		11/16/2000 2:30:00 PM
00110731-004C	SL11HB-001116 (DUP)		11/16/2000 2:30:00 PM
00110731-005A	SL08HA-001116		11/16/2000 4:30:00 PM
00110731-005B	SL08HA-001116		11/16/2000 4:30:00 PM
00110731-005C	SL08HA-001116		11/16/2000 4:30:00 PM
00110731-006A	SL08HB-001116		11/16/2000 4:50:00 PM
00110731-006B	SL08HB-001116		11/16/2000 4:50:00 PM
00110731-006C	SL08HB-001116		11/16/2000 4:50:00 PM
00110731-007A	SL19HA-001117		11/17/2000 9:00:00 AM
00110731-007B	SL19HA-001117		11/17/2000 9:00:00 AM
00110731-007C	SL19HA-001117		11/17/2000 9:00:00 AM
00110731-007D	SL19HA-001117		11/17/2000 9:00:00 AM
00110731-008A	SL19HB-001117		11/17/2000 9:30:00 AM
00110731-008B	SL19HB-001117		11/17/2000 9:30:00 AM
00110731-008C	SL19HB-001117		11/17/2000 9:30:00 AM
00110731-008D	SL19HB-001117		11/17/2000 9:30:00 AM
00110731-009A	LAB BLANK		11/17/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00110744
Date Received: 11/18/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00110744-001A	SL20HA-001117		11/17/2000 10:45:00 AM
00110744-001B	SL20HA-001117		11/17/2000 10:45:00 AM
00110744-001C	SL20HA-001117		11/17/2000 10:45:00 AM
00110744-001D	SL20HA-001117		11/17/2000 10:45:00 AM
00110744-002A	SL20HB-001117		11/17/2000 11:15:00 AM
00110744-002B	SL20HB-001117		11/17/2000 11:15:00 AM
00110744-002C	SL20HB-001117		11/17/2000 11:15:00 AM
00110744-002D	SL20HB-001117		11/17/2000 11:15:00 AM
00110744-003A	SL01HA-001117		11/17/2000 1:45:00 PM
00110744-003B	SL01HA-001117		11/17/2000 1:45:00 PM
00110744-003C	SL01HA-001117		11/17/2000 1:45:00 PM
00110744-003D	SL01HA-001117		11/17/2000 1:45:00 PM
00110744-004A	SL01HB-001117		11/17/2000 2:00:00 PM
00110744-004B	SL01HB-001117		11/17/2000 2:00:00 PM
00110744-004C	SL01HB-001117		11/17/2000 2:00:00 PM
00110744-004D	SL01HB-001117		11/17/2000 2:00:00 PM
00110744-005A	SL02HA-001117		11/17/2000 2:55:00 PM
00110744-005B	SL02HA-001117		11/17/2000 2:55:00 PM
00110744-005C	SL02HA-001117		11/17/2000 2:55:00 PM
00110744-005D	SL02HA-001117		11/17/2000 2:55:00 PM
00110744-006A	SL02HB-001117		11/17/2000 2:30:00 PM
00110744-006B	SL02HB-001117		11/17/2000 2:30:00 PM
00110744-006C	SL02HB-001117		11/17/2000 2:30:00 PM
00110744-006D	SL02HB-001117		11/17/2000 2:30:00 PM
00110744-007A	LAB BLANK		11/17/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/ MILLENIUM PETROCHEMICA
Lab Order: 00110787
Date Received: 11/21/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00110787-001A	SL10HA-001120		11/20/2000 10:30:00 AM
00110787-001B	SL10HA-001120		11/20/2000 10:30:00 AM
00110787-001C	SL10HA-001120		11/20/2000 10:30:00 AM
00110787-001D	SL10HA-001120		11/20/2000 10:30:00 AM
00110787-002A	SL910HA-001120		11/20/2000 10:30:00 AM
00110787-002B	SL910HA-001120		11/20/2000 10:30:00 AM
00110787-002C	SL910HA-001120		11/20/2000 10:30:00 AM
00110787-002D	SL910HA-001120		11/20/2000 10:30:00 AM
00110787-003A	SL10HB-001120		11/20/2000 8:30:00 AM
00110787-003B	SL10HB-001120		11/20/2000 8:30:00 AM
00110787-003C	SL10HB-001120		11/20/2000 8:30:00 AM
00110787-003D	SL10HB-001120		11/20/2000 8:30:00 AM
00110787-004A	SL15HB-001120		11/20/2000 11:50:00 AM
00110787-004B	SL15HB-001120		11/20/2000 11:50:00 AM
00110787-004C	SL15HB-001120		11/20/2000 11:50:00 AM
00110787-004D	SL15HB-001120		11/20/2000 11:50:00 AM
00110787-005A	SL15HA-001120		11/20/2000 2:15:00 PM
00110787-005B	SL15HA-001120		11/20/2000 2:15:00 PM
00110787-005C	SL15HA-001120		11/20/2000 2:15:00 PM
00110787-005D	SL15HA-001120		11/20/2000 2:15:00 PM
00110787-006A	LAB BLANK		11/20/2000 2:15:00 PM

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/MILLENIUM PETROCHEMICA
Lab Order: 00110833
Date Received: 11/22/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00110833-001A	SL18HB-001120		11/20/2000 3:00:00 PM
00110833-001B	SL18HB-001120		11/20/2000 3:00:00 PM
00110833-001C	SL18HB-001120		11/20/2000 3:00:00 PM
00110833-001D	SL18HB-001120		11/20/2000 3:00:00 PM
00110833-002A	SL18HA-001120		11/20/2000 4:30:00 PM
00110833-002B	SL18HA-001120		11/20/2000 4:30:00 PM
00110833-002C	SL18HA-001120		11/20/2000 4:30:00 PM
00110833-002D	SL18HA-001120		11/20/2000 4:30:00 PM
00110833-003A	SL09HA-001121		11/21/2000 9:30:00 AM
00110833-003B	SL09HA-001121		11/21/2000 9:30:00 AM
00110833-003C	SL09HA-001121		11/21/2000 9:30:00 AM
00110833-003D	SL09HA-001121		11/21/2000 9:30:00 AM
00110833-004A	SL909HA-001121		11/21/2000 9:30:00 AM
00110833-004B	SL909HA-001121		11/21/2000 9:30:00 AM
00110833-004C	SL909HA-001121		11/21/2000 9:30:00 AM
00110833-004D	SL909HA-001121		11/21/2000 9:30:00 AM
00110833-005A	SL17HA-001121		11/21/2000 11:45:00 AM
00110833-005B	SL17HA-001121		11/21/2000 11:45:00 AM
00110833-005C	SL17HA-001121		11/21/2000 11:45:00 AM
00110833-005D	SL17HA-001121		11/21/2000 11:45:00 AM
00110833-006A	SLMS17HA-001121		11/21/2000 11:45:00 AM
00110833-006B	SLMS17HA-001121		11/21/2000 11:45:00 AM
00110833-006C	SLMS17HA-001121		11/21/2000 11:45:00 AM
00110833-006D	SLMS17HA-001121		11/21/2000 11:45:00 AM
00110833-007A	SLMS17HA-001121 (DUP)		11/21/2000 11:45:00 AM
00110833-007B	SLMS17HA-001121 (DUP)		11/21/2000 11:45:00 AM
00110833-007C	SLMS17HA-001121 (DUP)		11/21/2000 11:45:00 AM
00110833-007D	SLMS17HA-001121 (DUP)		11/21/2000 11:45:00 AM
00110833-008A	SL17HB-001121		11/21/2000 2:10:00 PM
00110833-008B	SL17HB-001121		11/21/2000 2:10:00 PM
00110833-008C	SL17HB-001121		11/21/2000 2:10:00 PM
00110833-008D	SL17HB-001121		11/21/2000 2:10:00 PM
00110833-009A	SL09HB-001121		11/21/2000 9:00:00 AM
00110833-009B	SL09HB-001121		11/21/2000 9:00:00 AM
00110833-009C	SL09HB-001121		11/21/2000 9:00:00 AM
00110833-009D	SL09HB-001121		11/21/2000 9:00:00 AM
00110833-010A	LAB BLANK		11/21/2000

Clayton GROUP SERVICES

CLIENT:	CLAYTON GROUP SERVICES
Project:	15-00116.01/MILLENIUM PETROCHEMICA
Lab Order:	00110833
Date Received:	11/22/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00110833-010B	LAB BLANK		11/21/2000
00110833-010C	LAB BLANK		11/21/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120004
Date Received: 12/01/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120004-001A	SW04-001129		11/29/2000 9:30:00 AM
00120004-001B	SW04-001129		11/29/2000 9:30:00 AM
00120004-001C	SW04-001129		11/29/2000 9:30:00 AM
00120004-001D	SW04-001129		11/29/2000 9:30:00 AM
00120004-001E	SW04-001129		11/29/2000 9:30:00 AM
00120004-001F	SW04-001129		11/29/2000 9:30:00 AM
00120004-001G	SW04-001129		11/29/2000 9:30:00 AM
00120004-001H	SW04-001129		11/29/2000 9:30:00 AM
00120004-001I	SW04-001129		11/29/2000 9:30:00 AM
00120004-001J	SW04-001129		11/29/2000 9:30:00 AM
00120004-002A	SW05-001129		11/29/2000 10:00:00 AM
00120004-002B	SW05-001129		11/29/2000 10:00:00 AM
00120004-002C	SW05-001129		11/29/2000 10:00:00 AM
00120004-002D	SW05-001129		11/29/2000 10:00:00 AM
00120004-002E	SW05-001129		11/29/2000 10:00:00 AM
00120004-002F	SW05-001129		11/29/2000 10:00:00 AM
00120004-002G	SW05-001129		11/29/2000 10:00:00 AM
00120004-002H	SW05-001129		11/29/2000 10:00:00 AM
00120004-002I	SW05-001129		11/29/2000 10:00:00 AM
00120004-002J	SW05-001129		11/29/2000 10:00:00 AM
00120004-003A	SW06-001129		11/29/2000 2:01:00 PM
00120004-003B	SW06-001129		11/29/2000 2:01:00 PM
00120004-003C	SW06-001129		11/29/2000 2:01:00 PM
00120004-003D	SW06-001129		11/29/2000 2:01:00 PM
00120004-003E	SW06-001129		11/29/2000 2:01:00 PM
00120004-003F	SW06-001129		11/29/2000 2:01:00 PM
00120004-003G	SW06-001129		11/29/2000 2:01:00 PM
00120004-003H	SW06-001129		11/29/2000 2:01:00 PM
00120004-003I	SW06-001129		11/29/2000 2:01:00 PM
00120004-003J	SW06-001129		11/29/2000 2:01:00 PM
00120004-004A	SW07-001129		11/29/2000 11:30:00 AM
00120004-004B	SW07-001129		11/29/2000 11:30:00 AM
00120004-004C	SW07-001129		11/29/2000 11:30:00 AM
00120004-004D	SW07-001129 11:30		11/29/2000 11:30:00 AM
00120004-004E	SW07-001129		11/29/2000 11:30:00 AM
00120004-004F	SW07-001129		11/29/2000 11:30:00 AM
00120004-004G	SW07-001129		11/29/2000 11:30:00 AM

Clayton

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120004
Date Received: 12/01/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120004-004H	SW07-001129		11/29/2000 11:30:00 AM
00120004-004I	SW07-001129		11/29/2000 11:30:00 AM
00120004-004J	SW07-001129		11/29/2000 11:30:00 AM
00120004-005A	SW08-001129		11/29/2000 12:00:00 PM
00120004-005B	SW08-001129		11/29/2000 12:00:00 PM
00120004-005C	SW08-001129 12:00		11/29/2000 12:00:00 PM
00120004-005D	SW08-001129		11/29/2000 12:00:00 PM
00120004-005E	SW08-001129		11/29/2000 12:00:00 PM
00120004-005F	SW08-001129		11/29/2000 12:00:00 PM
00120004-005G	SW08-001129		11/29/2000 12:00:00 PM
00120004-005H	SW08-001129		11/29/2000 12:00:00 PM
00120004-005I	SW08-001129		11/29/2000 12:00:00 PM
00120004-005J	SW08-001129		11/29/2000 12:00:00 PM
00120004-006A	SW09-001129		11/29/2000 12:45:00 PM
00120004-006B	SW09-001129		11/29/2000 12:45:00 PM
00120004-006C	SW09-001129		11/29/2000 12:45:00 PM
00120004-006D	SW09-001129		11/29/2000 12:45:00 PM
00120004-006E	SW09-001129		11/29/2000 12:45:00 PM
00120004-006F	SW09-001129		11/29/2000 12:45:00 PM
00120004-006G	SW09-001129		11/29/2000 12:45:00 PM
00120004-006H	SW09-001129		11/29/2000 12:45:00 PM
00120004-006I	SW09-001129		11/29/2000 12:45:00 PM
00120004-006J	SW09-001129		11/29/2000 12:45:00 PM
00120004-007A	SW909-001129		11/29/2000 12:45:00 PM
00120004-007B	SW909-001129		11/29/2000 12:45:00 PM
00120004-007C	SW909-001129		11/29/2000 12:45:00 PM
00120004-007D	SW909-001129		11/29/2000 12:45:00 PM
00120004-007E	SW909-001129		11/29/2000 12:45:00 PM
00120004-007F	SW909-001129		11/29/2000 12:45:00 PM
00120004-007G	SW909-001129		11/29/2000 12:45:00 PM
00120004-007H	SW909-001129		11/29/2000 12:45:00 PM
00120004-007I	SW909-001129		11/29/2000 12:45:00 PM
00120004-007J	SW909-001129		11/29/2000 12:45:00 PM
00120004-008A	SW10-001129		11/29/2000 1:10:00 PM
00120004-008B	SW10-001129 13:10		11/29/2000 1:10:00 PM
00120004-008C	SW10-001129		11/29/2000 1:10:00 PM
00120004-008D	SW10-001129		11/29/2000 1:10:00 PM
00120004-008E	SW10-001129		11/29/2000 1:10:00 PM
00120004-008F	SW10-001129		11/29/2000 1:10:00 PM

Clayton GROUP SERVICES

CLIENT:	CLAYTON GROUP SERVICES
Project:	15-00116.01/Millenium Petrochemical
Lab Order:	00120004
Date Received:	12/01/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120004-008G	SW10-001129		11/29/2000 1:10:00 PM
00120004-008H	SW10-001129		11/29/2000 1:10:00 PM
00120004-008I	SW10-001129		11/29/2000 1:10:00 PM
00120004-008J	SW10-001129		11/29/2000 1:10:00 PM
00120004-009A	RB-1		11/29/2000
00120004-009B	RB-1		11/29/2000
00120004-009C	RB-1		11/29/2000
00120004-009D	RB-1		11/29/2000
00120004-009E	RB-1		11/29/2000
00120004-009F	RB-1		11/29/2000
00120004-009G	RB-1		11/29/2000
00120004-009H	RB-1		11/29/2000
00120004-009I	RB-1		11/29/2000
00120004-009J	RB-1		11/29/2000
00120004-010A	LAB BLANK		11/29/2000
00120004-010B	LAB BLANK		11/29/2000
00120004-010C	LAB BLANK		11/29/2000
00120004-010D	LAB BLANK		11/29/2000
00120004-010E	LAB BLANK		11/29/2000
00120004-010F	LAB BLANK		11/29/2000
00120004-010G	LAB BLANK		11/29/2000
00120004-010H	LAB BLANK		11/29/2000
00120004-010I	LAB BLANK		11/29/2000
00120004-010J	LAB BLANK		11/29/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120016
Date Received: 12/01/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120016-001A	SL14HA-001128		11/28/2000 8:30:00 AM
00120016-001B	SL14HA-001128		11/28/2000 8:30:00 AM
00120016-001C	SL14HA-001128		11/28/2000 8:30:00 AM
00120016-001D	SL14HA-001128		11/28/2000 8:30:00 AM
00120016-002A	SL14HB-001128		11/28/2000 8:30:00 AM
00120016-002B	SL14HB-001128		11/28/2000 9:00:00 AM
00120016-002C	SL14HB-001128		11/28/200 9:00:00 AM
00120016-002D	SL14HB-001128		11/28/2000 9:00:00 AM
00120016-003A	SL13HA-001128		11/28/2000 10:15:00 AM
00120016-003B	SL13HA-001128		11/28/2000 10:15:00 AM
00120016-003C	SL13HA-001128		11/28/2000 10:15:00 AM
00120016-003D	SL13HA-001128		11/28/2000 10:15:00 AM
00120016-004A	SL12HA-001128		11/28/2000 10:40:00 AM
00120016-004B	SL12HA-001128		11/28/2000 10:40:00 AM
00120016-004C	SL12HA-001128		11/28/2000 10:40:00 AM
00120016-004D	SL12HA-001128		11/28/2000 10:40:00 AM
00120016-005A	SL912HA-001128		11/28/2000 10:40:00 AM
00120016-005B	SL912HA-001128		11/28/2000 10:40:00 AM
00120016-005C	SL912HA-001128		11/28/2000 10:40:00 AM
00120016-005D	SL912HA-001128		11/28/2000 10:40:00 AM
00120016-006A	SL12HB-001128		11/28/2000 11:20:00 AM
00120016-006B	SL12HB-001128		11/28/2000 11:20:00 AM
00120016-006C	SL12HB-001128		11/28/2000 11:20:00 AM
00120016-006D	SL12HB-001128		11/28/2000 11:20:00 AM
00120016-007A	SL16HA-001128		11/28/2000 2:00:00 PM
00120016-007B	SL16HA-001128		11/28/2000 2:00:00 PM
00120016-007C	SL16HA-001128		11/28/2000 2:00:00 PM
00120016-007D	SL16HA-001128		11/28/2000 2:00:00 PM
00120016-008A	SL16HB-001128		11/28/2000 2:25:00 PM
00120016-008B	SL16HB-001128		11/28/2000 2:25:00 PM
00120016-008C	SL16HB-001128		11/28/2000 2:25:00 PM
00120016-008D	SL16HB-001128		11/28/2000 2:25:00 PM
00120016-010B	LAB BLANK		11/28/2000
00120016-010C	LAB BLANK		11/28/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120021
Date Received: 12/01/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120021-001A	SS01-001128		11/28/2000 4:10:00 PM
00120021-001B	SS01-001128		11/28/2000 4:10:00 PM
00120021-001C	SS01-001128		11/28/2000 4:10:00 PM
00120021-001D	SS01-001128		11/28/2000 4:10:00 PM
00120021-002A	SS02-001128		11/28/2000 4:50:00 PM
00120021-002B	SS02-001128		11/28/2000 4:50:00 PM
00120021-002C	SS02-001128		11/28/2000 4:50:00 PM
00120021-002D	SS02-001128		11/28/2000 4:50:00 PM
00120021-003A	SS04-001129		11/29/2000
00120021-003B	SS04-001129		11/29/2000
00120021-003C	SS04-001129		11/29/2000
00120021-003D	SS04-001129		11/29/2000
00120021-004A	SS05-001129		11/29/2000
00120021-004B	SS05-001129		11/29/2000
00120021-004C	SS05-001129		11/29/2000
00120021-004D	SS05-001129		11/29/2000
00120021-005A	SS06-001129		11/29/2000
00120021-005B	SS06-001129		11/29/2000
00120021-005C	SS06-001129		11/29/2000
00120021-005D	SS06-001129		11/29/2000
00120021-006A	SS07-001129		11/29/2000
00120021-006B	SS07-001129		11/29/2000
00120021-006C	SS07-001129		11/29/2000
00120021-006D	SS07-001129		11/29/2000
00120021-007A	SS08-001129		11/29/2000
00120021-007B	SS08-001129		11/29/2000
00120021-007C	SS08-001129		11/29/2000
00120021-007D	SS08-001129		11/29/2000
00120021-008A	SS09-001129		11/29/2000
00120021-008B	SS09-001129		11/29/2000
00120021-008C	SS09-001129		11/29/2000
00120021-008D	SS09-001129		11/29/2000
00120021-009A	SS10-001129		11/29/2000
00120021-009B	SS10-001129		11/29/2000
00120021-009C	SS10-001129		11/29/2000
00120021-009D	SS10-001129		11/29/2000
00120021-010A	SS907-001129		11/29/2000

Clayton GROUP SERVICES

CLIENT:	CLAYTON GROUP SERVICES
Project:	15-00116.01/Millenium Petrochemical
Lab Order:	00120021
Date Received:	12/01/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120021-010B	SS907-001129		11/29/2000
00120021-010C	SS907-001129		11/29/2000
00120021-010D	SS907-001129		11/29/2000
00120021-011B	LAB BLANK		11/29/2000
00120021-011D	LAB BLANK		11/29/2000

Clayton GROUP SERVICES

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120114
Date Received: 12/05/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120114-001A	MW04D-001204		12/04/2000 1:30:00 PM
00120114-001B	MW04D-001204		12/04/2000 1:30:00 PM
00120114-001C	MW04D-001204		12/04/2000 1:30:00 PM
00120114-001D	MW04D-001204		12/04/2000 1:30:00 PM
00120114-001E	MW04D-001204		12/04/2000 1:30:00 PM
00120114-001F	MW04D-001204		12/04/2000 1:30:00 PM
00120114-001G	MW04D-001204		12/04/2000 1:30:00 PM
00120114-001H	MW04D-001204		12/04/2000 1:30:00 PM
00120114-001I	MW04D-001204		12/04/2000 1:30:00 PM
00120114-002A	MWF04D-001204		12/04/2000 1:30:00 PM
00120114-002B	MWF04D-001204		12/04/2000 1:30:00 PM
00120114-002C	MWF04D-001204		12/04/2000 1:30:00 PM
00120114-002D	MWF04D-001204		12/04/2000 1:30:00 PM
00120114-002E	MWF04D-001204		12/04/2000 1:30:00 PM
00120114-003A	LAB BLANK		12/04/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.00/Millenium Petrochemical
Lab Order: 00120170
Date Received: 12/06/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120170-001A	MW04S-001205/001204		12/05/2000
00120170-001B	MW04S-001205/001204		12/05/2000
00120170-001C	MW04S-001205/001204		12/05/2000
00120170-001D	MW04S-001205/001204		12/05/2000
00120170-001E	MW04S-001205/001204		12/05/2000
00120170-001F	MW04S-001205/001204		12/05/2000
00120170-001G	MW04S-001205/001204		12/05/2000
00120170-001H	MW04S-001205/001204		12/05/2000
00120170-002A	MWF04S-001205		12/05/2000
00120170-002B	MWF04S-001205		12/05/2000
00120170-002C	MWF04S-001205		12/05/2000
00120170-002D	MWF04S-001205		12/05/2000
00120170-002E	MWF04S-001205		12/05/2000
00120170-003A	LAB BLANK		12/05/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120179
Date Received: 12/06/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120179-001A	MW07D-001205		12/05/2000 12:00:00 PM
00120179-001B	MW07D-001205		12/05/2000 12:00:00 PM
00120179-001C	MW07D-001205		12/05/2000 12:00:00 PM
00120179-001D	MW07D-001205		12/05/2000 12:00:00 PM
00120179-001E	MW07D-001205		12/05/2000 12:00:00 PM
00120179-001F	MW07D-001205		12/05/2000 12:00:00 PM
00120179-001G	MW07D-001205		12/05/2000 12:00:00 PM
00120179-001H	MW07D-001205		12/05/2000 12:00:00 PM
00120179-001I	MW07D-001205		12/05/2000 12:00:00 PM
00120179-002A	MWF07D-001205		12/05/2000 12:00:00 PM
00120179-002B	MWF07D-001205		12/05/2000 12:00:00 PM
00120179-002C	MWF07D-001205		12/05/2000 12:00:00 PM
00120179-002D	MWF07D-001205		12/05/2000 12:00:00 PM
00120179-002E	MWF07D-001205		12/05/2000 12:00:00 PM
00120179-003A	LAB BLANK		12/05/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120192
Date Received: 12/06/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120192-001A	MW07S-001205		12/05/2000 12:55:00 PM
00120192-001B	MW07S-001205		12/05/2000 12:55:00 PM
00120192-001C	MW07S-001205		12/05/2000 12:55:00 PM
00120192-001D	MW07S-001205		12/05/2000 12:55:00 PM
00120192-001E	MW07S-001205		12/05/2000 12:55:00 PM
00120192-001F	MW07S-001205		12/05/2000 12:55:00 PM
00120192-001G	MW07S-001205		12/05/2000 12:55:00 PM
00120192-001H	MW07S-001205		12/05/2000 12:55:00 PM
00120192-001I	MW07S-001205		12/05/2000 12:55:00 PM
00120192-002A	MWF07S-001205		12/05/2000 12:55:00 PM
00120192-002B	MWF07S-001205		12/05/2000 12:55:00 PM
00120192-002C	MWF07S-001205		12/05/2000 12:55:00 PM
00120192-002D	MWF07S-001205		12/05/2000 12:55:00 PM
00120192-002E	MWF07S-001205		12/05/2000 12:55:00 PM
00120192-003A	LAB BLANK		12/05/2000
00120192-003B	LAB BLANK		12/05/2000
00120192-003D	LAB BLANK		12/05/2000
00120192-003E	LAB BLANK		12/05/2000
00120192-003G	LAB BLANK		12/05/2000
00120192-003H	LAB BLANK		12/05/2000
00120192-003I	LAB BLANK		12/05/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/MILLENIUM PETROCHEMICA
Lab Order: 00120236
Date Received: 12/07/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120236-001A	MW05S-001206		12/06/2000 4:00:00 PM
00120236-001B	MW05S-001206		12/06/2000 4:00:00 PM
00120236-001C	MW05S-001206		12/06/2000 4:00:00 PM
00120236-001D	MW05S-001206		12/06/2000 4:00:00 PM
00120236-001E	MW05S-001206		12/06/2000 4:00:00 PM
00120236-001F	MW05S-001206		12/06/2000 4:00:00 PM
00120236-001G	MW05S-001206		12/06/2000 4:00:00 PM
00120236-001H	MW05S-001206		12/06/2000 4:00:00 PM
00120236-001I	MW05S-001206		12/06/2000 4:00:00 PM
00120236-002A	MWF05S-001206		12/06/2000 4:00:00 PM
00120236-002B	MWF05S-001206		12/06/2000 4:00:00 PM
00120236-002C	MWF05S-001206		12/06/2000 4:00:00 PM
00120236-002D	MWF05S-001206		12/06/2000 4:00:00 PM
00120236-002E	MWF05S-001206		12/06/2000 4:00:00 PM
00120236-003A	LAB BLANK		12/06/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120243
Date Received: 12/07/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120243-001A	MW06S-001206		12/06/2000 11:00:00 AM
00120243-001B	MW06S-001206		12/06/2000 11:00:00 AM
00120243-001C	MW06S-001206		12/06/2000 11:00:00 AM
00120243-001D	MW06S-001206		12/06/2000 11:00:00 AM
00120243-001E	MW06S-001206		12/06/2000 11:00:00 AM
00120243-001F	MW06S-001206		12/06/2000 11:00:00 AM
00120243-001G	MW06S-001206		12/06/2000 11:00:00 AM
00120243-001H	MW06S-001206		12/06/2000 11:00:00 AM
00120243-001I	MW06S-001206		12/06/2000 11:00:00 AM
00120243-002A	MWF06S-001206		12/06/2000 11:00:00 AM
00120243-002B	MWF06S-001206		12/06/2000 11:00:00 AM
00120243-002C	MWF06S-001206		12/06/2000 11:00:00 AM
00120243-002D	MWF06S-001206		12/06/2000 11:00:00 AM
00120243-002E	MWF06S-001206		12/06/2000 11:00:00 AM
00120243-003A	MW04S-001206		12/06/2000 8:27:00 AM
00120243-004A	LAB BLANK		12/06/2000 11:00:00 AM

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120247
Date Received: 12/07/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120247-001A	MW06D-001206		12/06/2000 10:00:00 AM
00120247-001B	MW06D-001206		12/06/2000 10:00:00 AM
00120247-001C	MW06D-001206		12/06/2000 10:00:00 AM
00120247-001D	MW06D-001206		12/06/2000 10:00:00 AM
00120247-001E	MW06D-001206		12/06/2000 10:00:00 AM
00120247-001F	MW06D-001206		12/06/2000 10:00:00 AM
00120247-001G	MW06D-001206		12/06/2000 10:00:00 AM
00120247-001H	MW06D-001206		12/06/2000 10:00:00 AM
00120247-001I	MW06D-001206		12/06/2000 10:00:00 AM
00120247-002A	MWF06D-001206		12/06/2000 10:01:00 AM
00120247-002B	MWF06D-001206		12/06/2000 10:01:00 AM
00120247-002C	MWF06D-001206		12/06/2000 10:01:00 AM
00120247-002D	MWF06D-001206		12/06/2000 10:01:00 AM
00120247-002E	MWF06D-001206		12/06/2000 10:01:00 AM
00120247-003A	LAB BLANK		12/06/2000

Clayton GROUP SERVICES

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120250
Date Received: 12/07/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120250-001A	MW05D-001206		12/06/2000 2:00:00 PM
00120250-001B	MW05D-001206		12/06/2000 2:00:00 PM
00120250-001C	MW05D-001206		12/06/2000 2:00:00 PM
00120250-001D	MW05D-001206		12/06/2000 2:00:00 PM
00120250-001E	MW05D-001206		12/06/2000 2:00:00 PM
00120250-001F	MW05D-001206		12/06/2000 2:00:00 PM
00120250-001G	MW05D-001206		12/06/2000 2:00:00 PM
00120250-001H	MW05D-001206		12/06/2000 2:00:00 PM
00120250-001I	MW05D-001206		12/06/2000 2:00:00 PM
00120250-002A	MWF05D-001206		12/06/2000 2:00:00 PM
00120250-002B	MWF05D-001206		12/06/2000 2:00:00 PM
00120250-002C	MWF05D-001206		12/06/2000 2:00:00 PM
00120250-002D	MWF05D-001206		12/06/2000 2:00:00 PM
00120250-002E	MWF05D-001206		12/06/2000 2:00:00 PM
00120250-003A	LAB BLANK		12/06/2000

Clayton GROUP SERVICES

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120274
Date Received: 12/08/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120274-001A	MW02S-001207		12/07/2000 10:30:00 AM
00120274-001B	MW02S-001207		12/07/2000 10:30:00 AM
00120274-001C	MW02S-001207		12/07/2000 10:30:00 AM
00120274-001D	MW02S-001207		12/07/2000 10:30:00 AM
00120274-001E	MW02S-001207		12/07/2000 10:30:00 AM
00120274-001F	MW02S-001207		12/07/2000 10:30:00 AM
00120274-001G	MW02S-001207		12/07/2000 10:30:00 AM
00120274-001H	MW02S-001207		12/07/2000 10:30:00 AM
00120274-001I	MW02S-001207		12/07/2000 10:30:00 AM
00120274-002A	MWF02S-001207		12/07/2000 10:30:00 AM
00120274-002B	MWF02S-001207		12/07/2000 10:30:00 AM
00120274-002C	MWF02S-001207		12/07/2000 10:30:00 AM
00120274-002D	MWF02S-001207		12/07/2000 10:30:00 AM
00120274-002E	MWF02S-001207		12/07/2000 10:30:00 AM
00120274-003A	LAB BLANK		12/07/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120275
Date Received: 12/08/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120275-001A	MW02D-001207		12/07/2000 4:00:00 PM
00120275-001B	MW02D-001207		12/07/2000 4:00:00 PM
00120275-001C	MW02D-001207		12/07/2000 4:00:00 PM
00120275-001D	MW02D-001207		12/07/2000 4:00:00 PM
00120275-001E	MW02D-001207		12/07/2000 4:00:00 PM
00120275-001F	MW02D-001207		12/07/2000 4:00:00 PM
00120275-001G	MW02D-001207		12/07/2000 4:00:00 PM
00120275-001H	MW02D-001207		12/07/2000 4:00:00 PM
00120275-001I	MW02D-001207		12/07/2000 4:00:00 PM
00120275-002A	MWF02D-001207		12/07/2000 4:00:00 PM
00120275-002B	MWF02D-001207		12/07/2000 4:00:00 PM
00120275-002C	MWF02D-001207		12/07/2000 4:00:00 PM
00120275-002D	MWF02D-001207		12/07/2000 4:00:00 PM
00120275-002E	MWF02D-001207		12/07/2000 4:00:00 PM
00120275-003A	LAB BLANK		12/07/2000

Clayton GROUP SERVICES

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120310
Date Received: 12/08/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120310-001A	SS03-001205		12/05/2000 8:35:00 AM
00120310-001B	SS03-001205		12/05/2000 8:35:00 AM
00120310-001C	SS03-001205		12/05/2000 8:35:00 AM
00120310-001D	SS03-001205		12/05/2000 8:35:00 AM
00120310-002A	LAB BLANK		12/05/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: Millenium Petrochemical
Lab Order: 00120326
Date Received: 12/11/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120326-001A	MW01S-001207		12/07/2000 2:30:00 PM
00120326-001B	MW01S-001207		12/07/2000 2:30:00 PM
00120326-001C	MW01S-001207		12/07/2000 2:30:00 PM
00120326-001D	MW01S-001207		12/07/2000 2:30:00 PM
00120326-001E	MW01S-001207		12/07/2000 2:30:00 PM
00120326-001F	MW01S-001207		12/07/2000 2:30:00 PM
00120326-001G	MW01S-001207		12/07/2000 2:30:00 PM
00120326-001H	MW01S-001207		12/07/2000 2:30:00 PM
00120326-001I	MW01S-001207		12/07/2000 2:30:00 PM
00120326-002A	MWF01S-001207 (FILTERE		12/07/2000 2:30:00 PM
00120326-002B	MWF01S-001207 (FILTERE		12/07/2000 2:30:00 PM
00120326-002C	MWF01S-001207 (FILTERE		12/07/2000 2:30:00 PM
00120326-002D	MWF01S-001207 (FILTERE		12/07/2000 2:30:00 PM
00120326-002E	MWF01S-001207 (FILTERE		12/07/2000 2:30:00 PM
00120326-003A	LAB BLANK		12/07/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120421
Date Received: 12/13/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120421-001A	MW901D-001211		12/11/2000 10:00:00 AM
00120421-001B	MW901D-001211		12/11/2000 10:00:00 AM
00120421-001C	MW901D-001211		12/11/2000 10:00:00 AM
00120421-001D	MW901D-001211		12/11/2000 10:00:00 AM
00120421-001E	MW901D-001211		12/11/2000 10:00:00 AM
00120421-001F	MW901D-001211		12/11/2000 10:00:00 AM
00120421-001G	MW901D-001211		12/11/2000 10:00:00 AM
00120421-001H	MW901D-001211		12/11/2000 10:00:00 AM
00120421-001I	MW901D-001211		12/11/2000 10:00:00 AM
00120421-002A	MWF901D-001211		12/11/2000 10:00:00 AM
00120421-002B	MWF901D-001211		12/11/2000 10:00:00 AM
00120421-002C	MWF901D-001211		12/11/2000 10:00:00 AM
00120421-002D	MWF901D-001211		12/11/2000 10:00:00 AM
00120421-002E	MWF901D-001211		12/11/2000 10:00:00 AM
00120421-003A	LAB BLANK		12/11/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120424
Date Received: 12/13/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120424-001A	MW09D-001212		12/12/2000 12:30:00 PM
00120424-001B	MW09D-001212		12/12/2000 12:30:00 PM
00120424-001C	MW09D-001212		12/12/2000 12:30:00 PM
00120424-001D	MW09D-001212		12/12/2000 12:30:00 PM
00120424-001E	MW09D-001212		12/12/2000 12:30:00 PM
00120424-001F	MW09D-001212		12/12/2000 12:30:00 PM
00120424-001G	MW09D-001212		12/12/2000 12:30:00 PM
00120424-001H	MW09D-001212		12/12/2000 12:30:00 PM
00120424-001I	MW09D-001212		12/12/2000 12:30:00 PM
00120424-002A	MWF09D-001212		12/12/2000 12:30:00 PM
00120424-002B	MWF09D-001212		12/12/2000 12:30:00 PM
00120424-002C	MWF09D-001212		12/12/2000 12:30:00 PM
00120424-002D	MWF09D-001212		12/12/2000 12:30:00 PM
00120424-002E	MWF09D-001212		12/12/2000 12:30:00 PM
00120424-003A	LAB BLANK		12/12/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120425
Date Received: 12/13/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120425-001A	MW03S-001211		12/11/2000 2:35:00 PM
00120425-001B	MW03S-001211		12/11/2000 2:35:00 PM
00120425-001C	MW03S-001211		12/11/2000 2:35:00 PM
00120425-001D	MW03S-001211		12/11/2000 2:35:00 PM
00120425-001E	MW03S-001211		12/11/2000 2:35:00 PM
00120425-001F	MW03S-001211		12/11/2000 2:35:00 PM
00120425-001G	MW03S-001211		12/11/2000 2:35:00 PM
00120425-001H	MW03S-001211		12/11/2000 2:35:00 PM
00120425-001I	MW03S-001211		12/11/2000 2:35:00 PM
00120425-002A	MW903S-001211		12/11/2000 2:35:00 PM
00120425-002B	MW903S-001211		12/11/2000 2:35:00 PM
00120425-002C	MW903S-001211		12/11/2000 2:35:00 PM
00120425-002D	MW903S-001211		12/11/2000 2:35:00 PM
00120425-002E	MW903S-001211		12/11/2000 2:35:00 PM
00120425-002F	MW903S-001211		12/11/2000 2:35:00 PM
00120425-002G	MW903S-001211		12/11/2000 2:35:00 PM
00120425-002H	MW903S-001211		12/11/2000 2:35:00 PM
00120425-002I	MW903S-001211		12/11/2000 2:35:00 PM
00120425-003A	LAB BLANK		12/11/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120426
Date Received: 12/13/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120426-001A	MW03D-001211		12/11/2000 2:00:00 PM
00120426-001B	MW03D-001211		12/11/2000 2:00:00 PM
00120426-001C	MW03D-001211		12/11/2000 2:00:00 PM
00120426-001D	MW03D-001211		12/11/2000 2:00:00 PM
00120426-001E	MW03D-001211		12/11/2000 2:00:00 PM
00120426-001F	MW03D-001211		12/11/2000 2:00:00 PM
00120426-001G	MW03D-001211		12/11/2000 2:00:00 PM
00120426-001H	MW03D-001211		12/11/2000 2:00:00 PM
00120426-001I	MW03D-001211		12/11/2000 2:00:00 PM
00120426-002A	MWF03D-001211		12/11/2000 2:00:00 PM
00120426-002B	MWF03D-001211		12/11/2000 2:00:00 PM
00120426-002C	MWF03D-001211		12/11/2000 2:00:00 PM
00120426-002D	MWF03D-001211		12/11/2000 2:00:00 PM
00120426-002E	MWF03D-001211		12/11/2000 2:00:00 PM
00120426-003A	LAB BLANK		12/11/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120431
Date Received: 12/13/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120431-001A	MW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-001B	MW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-001C	MW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-001D	MW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-001E	MW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-001F	MW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-001G	MW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-001H	MW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-001I	MW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-002A	MWF09S-001212 (FILTERE		12/12/2000 10:45:00 AM
00120431-002B	MWF09S-001212 (FILTERE		12/12/2000 10:45:00 AM
00120431-002C	MWF09S-001212 (FILTERE		12/12/2000 10:45:00 AM
00120431-002D	MWF09S-001212 (FILTERE		12/12/2000 10:45:00 AM
00120431-002E	MWF09S-001212 (FILTERE		12/12/2000 10:45:00 AM
00120431-003A	MSMW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-003B	MSMW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-003C	MSMW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-003D	MSMW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-003E	MSMW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-003F	MSMW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-003G	MSMW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-003H	MSMW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-003I	MSMW09S-001212 TOTAL		12/12/2000 10:45:00 AM
00120431-004A	LAB BLANK		12/12/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120433
Date Received: 12/13/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120433-001A	MSMW09S-001212 dup		12/12/2000 10:45:00 AM
00120433-001B	MSMW09S-001212 dup		12/12/2000 10:45:00 AM
00120433-001C	MSMW09S-001212 dup		12/12/2000 10:45:00 AM
00120433-001D	MSMW09S-001212 dup		12/12/2000 10:45:00 AM
00120433-001E	MSMW09S-001212 dup		12/12/2000 10:45:00 AM
00120433-001F	MSMW09S-001212 dup		12/12/2000 10:45:00 AM
00120433-001G	MSMW09S-001212 dup		12/12/2000 10:45:00 AM
00120433-001H	MSMW09S-001212 dup		12/12/2000 10:45:00 AM
00120433-001I	MSMW09S-001212 dup		12/12/2000 10:45:00 AM
00120433-002A	MSMWF09S-001212		12/12/2000 10:45:00 AM
00120433-002B	MSMWF09S-001212		12/12/2000 10:45:00 AM
00120433-002C	MSMWF09S-001212		12/12/2000 10:45:00 AM
00120433-002E	MSMWF09S-001212		12/12/2000 10:45:00 AM
00120433-003A	MSMWF09S-001212 DUP		12/12/2000 10:45:00 AM
00120433-003B	MSMWF09S-001212 DUP		12/12/2000 10:45:00 AM
00120433-003C	MSMWF09S-001212 DUP		12/12/2000 10:45:00 AM
00120433-003D	MSMWF09S-001212 DUP		12/12/2000 10:45:00 AM
00120433-003E	MSMWF09S-001212 DUP		12/12/2000 10:45:00 AM
00120433-004A	LAB BLANK		12/12/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120434
Date Received: 12/13/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120434-001A	MW01D-001211		12/11/2000 10:00:00 AM
00120434-001B	MW01D-001211		12/11/2000 10:00:00 AM
00120434-001C	MW01D-001211		12/11/2000 10:00:00 AM
00120434-001D	MW01D-001211		12/11/2000 10:00:00 AM
00120434-001E	MW01D-001211		12/11/2000 10:00:00 AM
00120434-001F	MW01D-001211		12/11/2000 10:00:00 AM
00120434-001G	MW01D-001211		12/11/2000 10:00:00 AM
00120434-001H	MW01D-001211		12/11/2000 10:00:00 AM
00120434-001I	MW01D-001211		12/11/2000 10:00:00 AM
00120434-002A	MWF01D-001211		12/11/2000 10:00:00 AM
00120434-002B	MWF01D-001211		12/11/2000 10:00:00 AM
00120434-002C	MWF01D-001211		12/11/2000 10:00:00 AM
00120434-002D	MWF01D-001211		12/11/2000 10:00:00 AM
00120434-002E	MWF01D-001211		12/11/2000 10:00:00 AM
00120434-003A	MWF03S-001211		12/11/2000 2:35:00 PM
00120434-003B	MWF03S-001211		12/11/2000 2:35:00 PM
00120434-003C	MWF03S-001211		12/11/2000 2:35:00 PM
00120434-003D	MWF03S-001211		12/11/2000 2:35:00 PM
00120434-003E	MWF03S-001211		12/11/2000 2:35:00 PM
00120434-004A	MWF903S-001211		12/11/2000 2:35:00 PM
00120434-004B	MWF903S-001211		12/11/2000 2:35:00 PM
00120434-004C	MWF903S-001211		12/11/2000 2:35:00 PM
00120434-004D	MWF903S-001211		12/11/2000 2:35:00 PM
00120434-004E	MWF903S-001211		12/11/2000 2:35:00 PM
00120434-005A	LAB BLANK		12/11/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120439
Date Received: 12/14/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120439-001A	MW08D-001213		12/13/2000 11:00:00 AM
00120439-001B	MW08D-001213		12/13/2000 11:00:00 AM
00120439-001C	MW08D-001213		12/13/2000 11:00:00 AM
00120439-001D	MW08D-001213		12/13/2000 11:00:00 AM
00120439-001E	MW08D-001213		12/13/2000 11:00:00 AM
00120439-001F	MW08D-001213		12/13/2000 11:00:00 AM
00120439-001G	MW08D-001213		12/13/2000 11:00:00 AM
00120439-001H	MW08D-001213		12/13/2000 11:00:00 AM
00120439-001I	MW08D-001213		12/13/2000 11:00:00 AM
00120439-002A	MWF08D-001213		12/13/2000 11:00:00 AM
00120439-002B	MWF08D-001213		12/13/2000 11:00:00 AM
00120439-002C	MWF08D-001213		12/13/2000 11:00:00 AM
00120439-002D	MWF08D-001213		12/13/2000 11:00:00 AM
00120439-002E	MWF08D-001213		12/13/2000 11:00:00 AM
00120439-003A	LAB BLANK		12/13/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120441
Date Received: 12/14/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120441-001A	MW08S-001213		12/13/2000 11:00:00 AM
00120441-001B	MW08S-001213		12/13/2000 11:00:00 AM
00120441-001C	MW08S-001213		12/13/2000 11:00:00 AM
00120441-001D	MW08S-001213		12/13/2000 11:00:00 AM
00120441-001E	MW08S-001213		12/13/2000 11:00:00 AM
00120441-001F	MW08S-001213		12/13/2000 11:00:00 AM
00120441-001G	MW08S-001213		12/13/2000 11:00:00 AM
00120441-001H	MW08S-001213		12/13/2000 11:00:00 AM
00120441-001I	MW08S-001213		12/13/2000 11:00:00 AM
00120441-002A	MWF08S-001213		12/13/2000 11:00:00 AM
00120441-002B	MWF08S-001213		12/13/2000 11:00:00 AM
00120441-002C	MWF08S-001213		12/13/2000 11:00:00 AM
00120441-002D	MWF08S-001213		12/13/2000 11:00:00 AM
00120441-002E	MWF08S-001213		12/13/2000 11:00:00 AM
00120441-003A	LAB BLANK		12/13/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 00120446
Date Received: 12/14/2000

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
00120446-001A	EB01-001213		12/13/2000 12:00:00 PM
00120446-001B	EB01-001213		12/13/2000 12:00:00 PM
00120446-001C	EB01-001213		12/13/2000 12:00:00 PM
00120446-001D	EB01-001213		12/13/2000 12:00:00 PM
00120446-001E	EB01-001213		12/13/2000 12:00:00 PM
00120446-001F	EB01-001213		12/13/2000 12:00:00 PM
00120446-001G	EB01-001213		12/13/2000 12:00:00 PM
00120446-001H	EB01-001213		12/13/2000 12:00:00 PM
00120446-001I	EB01-001213		12/13/2000 12:00:00 PM
00120446-002A	LAB BLANK		12/13/2000

Clayton

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 01030136
Date Received: 03/06/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01030136-001A	MW06S-010305		03/05/2001 3:30:00 PM
01030136-001B	MW06S-010305		03/05/2001 3:30:00 PM
01030136-001C	MW06S-010305		03/05/2001 3:30:00 PM
01030136-001D	MW06S-010305		03/05/2001 3:30:00 PM
01030136-001E	MW06S-010305		03/05/2001 3:30:00 PM
01030136-001F	MW06S-010305		03/05/2001 3:30:00 PM
01030136-001G	MW06S-010305		03/05/2001 3:30:00 PM
01030136-001H	MW06S-010305		03/05/2001 3:30:00 PM
01030136-001I	MW06S-010305		03/05/2001 3:30:00 PM
01030136-002A	MWF06S-010305		03/05/2001 3:30:00 PM
01030136-002B	MWF06S-010305		03/05/2001 3:30:00 PM
01030136-002C	MWF06S-010305		03/05/2001 3:30:00 PM
01030136-002D	MWF06S-010305		03/05/2001 3:30:00 PM
01030136-002E	MWF06S-010305		03/05/2001 3:30:00 PM
01030136-003A	TRIP BLANK		03/05/2001
01030136-004A	MW05D-010305		03/05/2001 2:25:00 PM
01030136-004B	MW05D-010305		03/05/2001 2:25:00 PM
01030136-004C	MW05D-010305		03/05/2001 2:25:00 PM
01030136-004D	MW05D-010305		03/05/2001 2:25:00 PM
01030136-004E	MW05D-010305		03/05/2001 2:25:00 PM
01030136-004F	MW05D-010305		03/05/2001 2:25:00 PM
01030136-004G	MW05D-010305		03/05/2001 2:25:00 PM
01030136-004H	MW05D-010305		03/05/2001 2:25:00 PM
01030136-004I	MW05D-010305		03/05/2001 2:25:00 PM
01030136-005A	MWF05D-010305		03/05/2001 2:25:00 PM
01030136-005B	MWF05D-010305		03/05/2001 2:25:00 PM
01030136-005C	MWF05D-010305		03/05/2001 2:25:00 PM
01030136-005D	MWF05D-010305		03/05/2001 2:25:00 PM
01030136-005E	MWF05D-010305		03/05/2001 2:25:00 PM
01030136-006A	TRIP BLANK		03/05/2001
01030136-007A	MW04D-010305		03/05/2001 12:15:00 PM
01030136-007B	MW04D-010305		03/05/2001 12:15:00 PM
01030136-007C	MW04D-010305		03/05/2001 12:15:00 PM
01030136-007D	MW04D-010305		03/05/2001 12:15:00 PM
01030136-007E	MW04D-010305		03/05/2001 12:15:00 PM
01030136-007F	MW04D-010305		03/05/2001 12:15:00 PM
01030136-007G	MW04D-010305		03/05/2001 12:15:00 PM

Clayton GROUP SERVICES

CLIENT:	CLAYTON GROUP SERVICES
Project:	15-00116.01/Millenium Petrochemical
Lab Order:	01030136
Date Received:	03/06/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01030136-007H	MW04D-010305		03/05/2001 12:15:00 PM
01030136-007I	MW04D-010305		03/05/2001 12:15:00 PM
01030136-008A	MWF04D-010305		03/05/2001 12:15:00 PM
01030136-008B	MWF04D-010305		03/05/2001 12:15:00 PM
01030136-008C	MWF04D-010305		03/05/2001 12:15:00 PM
01030136-008D	MWF04D-010305		03/05/2001 12:15:00 PM
01030136-008E	MWF04D-010305		03/05/2001 12:15:00 PM
01030136-009A	TRIP BLANK		03/05/2001
01030136-010A	MW05S-010305		03/05/2001 11:10:00 AM
01030136-010B	MW05S-010305		03/05/2001 11:10:00 AM
01030136-010C	MW05S-010305		03/05/2001 11:10:00 AM
01030136-010D	MW05S-010305		03/05/2001 11:10:00 AM
01030136-010E	MW05S-010305		03/05/2001 11:10:00 AM
01030136-010F	MW05S-010305		03/05/2001 11:10:00 AM
01030136-010G	MW05S-010305		03/05/2001 11:10:00 AM
01030136-010H	MW05S-010305		03/05/2001 11:10:00 AM
01030136-010I	MW05S-010305		03/05/2001 11:10:00 AM
01030136-011A	MWF05S-010305		03/05/2001 11:10:00 AM
01030136-011B	MWF05S-010305		03/05/2001 11:10:00 AM
01030136-011C	MWF05S-010305		03/05/2001 11:10:00 AM
01030136-011D	MWF05S-010305		03/05/2001 11:10:00 AM
01030136-011E	MWF05S-010305		03/05/2001 11:10:00 AM
01030136-012A	TRIP BLANK		03/05/2001
01030136-013A	LAB BLANK		03/05/2001

Clayton GROUP SERVICES

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 01030176
Date Received: 03/07/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01030176-001A	MW02S-010306		03/06/2001 3:40:00 PM
01030176-001B	MW02S-010306		03/06/2001 3:40:00 PM
01030176-001C	MW02S-010306		03/06/2001 3:40:00 PM
01030176-001D	MW02S-010306		03/06/2001 3:40:00 PM
01030176-001E	MW02S-010306		03/06/2001 3:40:00 PM
01030176-001F	MW02S-010306		03/06/2001 3:40:00 PM
01030176-001G	MW02S-010306		03/06/2001 3:40:00 PM
01030176-001H	MW02S-010306		03/06/2001 3:40:00 PM
01030176-001I	MW02S-010306		03/06/2001 3:40:00 PM
01030176-002A	MWF02S-010306 (FILTERE		03/06/2001 3:40:00 PM
01030176-002B	MWF02S-010306 (FILTERE		03/06/2001 3:40:00 PM
01030176-002C	MWF02S-010306 (FILTERE		03/06/2001 3:40:00 PM
01030176-002D	MWF02S-010306 (FILTERE		03/06/2001 3:40:00 PM
01030176-002E	MWF02S-010306 (FILTERE		03/06/2001 3:40:00 PM
01030176-003A	TRIP BLANK TB-2S		03/06/2001
01030176-004A	MW903S-010306		03/06/2001 1:00:00 PM
01030176-004B	MW903S-010306		03/06/2001 1:00:00 PM
01030176-004C	MW903S-010306		03/06/2001 1:00:00 PM
01030176-004D	MW903S-010306		03/06/2001 1:00:00 PM
01030176-004E	MW903S-010306		03/06/2001 1:00:00 PM
01030176-004F	MW903S-010306		03/06/2001 1:00:00 PM
01030176-004G	MW903S-010306		03/06/2001 1:00:00 PM
01030176-004H	MW903S-010306		03/06/2001 1:00:00 PM
01030176-004I	MW903S-010306		03/06/2001 1:00:00 PM
01030176-004J	MW903S-010306		03/06/2001 1:00:00 PM
01030176-005A	MWF903S-010306 (FILTER		03/06/2001 1:00:00 PM
01030176-005B	MWF903S-010306 (FILTER		03/06/2001 1:00:00 PM
01030176-005C	MWF903S-010306 (FILTER		03/06/2001 1:00:00 PM
01030176-005D	MWF903S-010306 (FILTER		03/06/2001 1:00:00 PM
01030176-005E	MWF903S-010306 (FILTER		03/06/2001 1:00:00 PM
01030176-005F	MWF903S-010306 (FILTER		03/06/2001 1:00:00 PM
01030176-006A	TRIP BLANK TB-903S		03/06/2001
01030176-007A	MW907D-010306		03/06/2001 2:30:00 PM
01030176-007B	MW907D-010306		03/06/2001 2:30:00 PM
01030176-007C	MW907D-010306		03/06/2001 2:30:00 PM
01030176-007D	MW907D-010306		03/06/2001 2:30:00 PM
01030176-007E	MW907D-010306		03/06/2001 2:30:00 PM

Clayton GROUP SERVICES

CLIENT:	CLAYTON GROUP SERVICES
Project:	15-00116.01/Millenium Petrochemical
Lab Order:	01030176
Date Received:	03/07/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01030176-007F	MW907D-010306		03/06/2001 2:30:00 PM
01030176-007G	MW907D-010306		03/06/2001 2:30:00 PM
01030176-007H	MW907D-010306		03/06/2001 2:30:00 PM
01030176-007I	MW907D-010306		03/06/2001 2:30:00 PM
01030176-008A	MWF907D-010306 (FILTER		03/06/2001 2:30:00 PM
01030176-008B	MWF907D-010306 (FILTER		03/06/2001 2:30:00 PM
01030176-008C	MWF907D-010306 (FILTER		03/06/2001 2:30:00 PM
01030176-008D	MWF907D-010306 (FILTER		03/06/2001 2:30:00 PM
01030176-008E	MWF907D-010306 (FILTER		03/06/2001 2:30:00 PM
01030176-009A	TRIP BLANK TB-907D		03/06/2001
01030176-010A	MW03S-010306		03/06/2001 12:46:00 PM
01030176-010B	MW03S-010306		03/06/2001 12:46:00 PM
01030176-010C	MW03S-010306		03/06/2001 12:46:00 PM
01030176-010D	MW03S-010306		03/06/2001 12:46:00 PM
01030176-010E	MW03S-010306		03/06/2001 12:46:00 PM
01030176-010F	MW03S-010306		03/06/2001 12:46:00 PM
01030176-010G	MW03S-010306		03/06/2001 12:46:00 PM
01030176-010H	MW03S-010306		03/06/2001 12:46:00 PM
01030176-010I	MW03S-010306		03/06/2001 12:46:00 PM
01030176-011A	MWF03S-010306 (FILTERE		03/06/2001 12:46:00 PM
01030176-011B	MWF03S-010306 (FILTERE		03/06/2001 12:46:00 PM
01030176-011C	MWF03S-010306 (FILTERE		03/06/2001 12:46:00 PM
01030176-011D	MWF03S-010306 (FILTERE		03/06/2001 12:46:00 PM
01030176-011E	MWF03S-010306 (FILTERE		03/06/2001 12:46:00 PM
01030176-012A	TRIP BLANK TB-3S		03/06/2001
01030176-013A	MW06D-010306		03/06/2001 8:30:00 AM
01030176-013B	MW06D-010306		03/06/2001 8:30:00 AM
01030176-013C	MW06D-010306		03/06/2001 8:30:00 AM
01030176-013D	MW06D-010306		03/06/2001 8:30:00 AM
01030176-013E	MW06D-010306		03/06/2001 8:30:00 AM
01030176-013F	MW06D-010306		03/06/2001 8:30:00 AM
01030176-013G	MW06D-010306		03/06/2001 8:30:00 AM
01030176-013H	MW06D-010306		03/06/2001 8:30:00 AM
01030176-013I	MW06D-010306		03/06/2001 8:30:00 AM
01030176-014A	MWF06D-010306 (FILTERE		03/06/2001 8:30:00 AM
01030176-014B	MWF06D-010306 (FILTERE		03/06/2001 8:30:00 AM
01030176-014C	MWF06D-010306 (FILTERE		03/06/2001 8:30:00 AM
01030176-014D	MWF06D-010306 (FILTERE		03/06/2001 8:30:00 AM
01030176-014E	MWF06D-010306 (FILTERE		03/06/2001 8:30:00 AM

Clayton GROUP SERVICES

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 01030176
Date Received: 03/07/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01030176-015A	TRIP BLANK TB-6D		03/06/2001
01030176-016A	MW07S-010306		03/06/2001 9:31:00 AM
01030176-016B	MW07S-010306		03/06/2001 9:31:00 AM
01030176-016C	MW07S-010306		03/06/2001 9:31:00 AM
01030176-016D	MW07S-010306		03/06/2001 9:31:00 AM
01030176-016E	MW07S-010306		03/06/2001 9:31:00 AM
01030176-016F	MW07S-010306		03/06/2001 9:31:00 AM
01030176-016G	MW07S-010306		03/06/2001 9:31:00 AM
01030176-016H	MW07S-010306		03/06/2001 9:31:00 AM
01030176-016I	MW07S-010306		03/06/2001 9:31:00 AM
01030176-017A	MWF07S-01036 (FILTERE		03/06/2001 9:31:00 AM
01030176-017B	MWF07S-01036 (FILTERE		03/06/2001 9:31:00 AM
01030176-017C	MWF07S-01036 (FILTERE		03/06/2001 9:31:00 AM
01030176-017D	MWF07S-01036 (FILTERE		03/06/2001 9:31:00 AM
01030176-017E	MWF07S-01036 (FILTERE		03/06/2001 9:31:00 AM
01030176-018A	TRIP BLANK TB-7S		03/06/2001
01030176-019A	MW07D-010306		03/06/2001 1:30:00 PM
01030176-019B	MW07D-010306		03/06/2001 1:30:00 PM
01030176-019C	MW07D-010306		03/06/2001 1:30:00 PM
01030176-019D	MW07D-010306		03/06/2001 1:30:00 PM
01030176-019E	MW07D-010306		03/06/2001 1:30:00 PM
01030176-019F	MW07D-010306		03/06/2001 1:30:00 PM
01030176-019G	MW07D-010306		03/06/2001 1:30:00 PM
01030176-019H	MW07D-010306		03/06/2001 1:30:00 PM
01030176-019I	MW07D-010306		03/06/2001 1:30:00 PM
01030176-020A	MWF07D-010306 (FILTERE		03/06/2001 1:30:00 PM
01030176-020B	MWF07D-010306 (FILTERE		03/06/2001 1:30:00 PM
01030176-020C	MWF07D-010306 (FILTERE		03/06/2001 1:30:00 PM
01030176-020D	MWF07D-010306 (FILTERE		03/06/2001 1:30:00 PM
01030176-020E	MWF07D-010306 (FILTERE		03/06/2001 1:30:00 PM
01030176-021A	TRIP BLANK TB-7D		03/06/2001
01030176-022A	MW04S-010305		03/06/2001 3:45:00 PM
01030176-022B	MW04S-010305		03/06/2001 3:45:00 PM
01030176-022C	MW04S-010305		03/06/2001 3:45:00 PM
01030176-022D	MW04S-010305		03/06/2001 3:45:00 PM
01030176-022E	MW04S-010305		03/06/2001 3:45:00 PM
01030176-022F	MW04S-010305		03/06/2001 3:45:00 PM
01030176-022G	MW04S-010305		03/06/2001 3:45:00 PM
01030176-022H	MW04S-010305		03/06/2001 3:45:00 PM

Clayton GROUP SERVICES

CLIENT:	CLAYTON GROUP SERVICES
Project:	15-00116.01/Millenium Petrochemical
Lab Order:	01030176
Date Received:	03/07/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01030176-022I	MW04S-010305		03/06/2001 3:45:00 PM
01030176-023A	MWF04S-010305 (FILTERE		03/06/2001 3:45:00 PM
01030176-023B	MWF04S-010305 (FILTERE		03/06/2001 3:45:00 PM
01030176-023C	MWF04S-010305 (FILTERE		03/06/2001 3:45:00 PM
01030176-023D	MWF04S-010305 (FILTERE		03/06/2001 3:45:00 PM
01030176-023E	MWF04S-010305 (FILTERE		03/06/2001 3:45:00 PM
01030176-024A	TRIP BLANK		03/06/2001
01030176-025A	LAB BLANK		03/06/2001
01030176-025B	LAB BLANK		03/06/2001
01030176-025C	LAB BLANK		03/06/2001
01030176-025D	LAB BLANK		03/06/2001
01030176-025E	LAB BLANK		03/06/2001
01030176-025F	LAB BLANK		03/06/2001
01030176-025G	LAB BLANK		03/06/2001
01030176-025H	LAB BLANK		03/06/2001

Clayton GROUP SERVICES

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 01030206
Date Received: 03/08/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01030206-001A	MW08S-010307		03/07/2001 12:25:00 PM
01030206-001B	MW08S-010307		03/07/2001 12:25:00 PM
01030206-001C	MW08S-010307		03/07/2001 12:25:00 PM
01030206-001D	MW08S-010307		03/07/2001 12:25:00 PM
01030206-001E	MW08S-010307		03/07/2001 12:25:00 PM
01030206-001F	MW08S-010307		03/07/2001 12:25:00 PM
01030206-001G	MW08S-010307		03/07/2001 12:25:00 PM
01030206-001H	MW08S-010307		03/07/2001 12:25:00 PM
01030206-001I	MW08S-010307		03/07/2001 12:25:00 PM
01030206-002A	MWF08S-010307		03/07/2001 12:25:00 PM
01030206-002B	MWF08S-010307		03/07/2001 12:25:00 PM
01030206-002C	MWF08S-010307		03/07/2001 12:25:00 PM
01030206-002D	MWF08S-010307		03/07/2001 12:25:00 PM
01030206-002E	MWF08S-010307		03/07/2001 12:25:00 PM
01030206-003A	TB-8S		03/07/2001
01030206-004A	MW02D-010307		03/07/2001 11:30:00 AM
01030206-004B	MW02D-010307		03/07/2001 11:30:00 AM
01030206-004C	MW02D-010307		03/07/2001 11:30:00 AM
01030206-004D	MW02D-010307		03/07/2001 11:30:00 AM
01030206-004G	MW02D-010307		03/07/2001 11:30:00 AM
01030206-005A	MWF02D-010307		03/07/2001 11:30:00 AM
01030206-005D	MWF02D-010307		03/07/2001 11:30:00 AM
01030206-005E	MWF02D-010307		03/07/2001 11:30:00 AM
01030206-006A	TB-2D		03/07/2001
01030206-007A	MW01S-010307		03/07/2001 10:30:00 AM
01030206-007B	MW01S-010307		03/07/2001 10:30:00 AM
01030206-007C	MW01S-010307		03/07/2001 10:30:00 AM
01030206-007D	MW01S-010307		03/07/2001 10:30:00 AM
01030206-007E	MW01S-010307		03/07/2001 10:30:00 AM
01030206-007F	MW01S-010307		03/07/2001 10:30:00 AM
01030206-007G	MW01S-010307		03/07/2001 10:30:00 AM
01030206-007H	MW01S-010307		03/07/2001 10:30:00 AM
01030206-007I	MW01S-010307		03/07/2001 10:30:00 AM
01030206-008A	MWF01S-010307		03/07/2001 10:30:00 AM
01030206-008B	MWF01S-010307		03/07/2001 10:30:00 AM
01030206-008C	MWF01S-010307		03/07/2001 10:30:00 AM
01030206-008D	MWF01S-010307		03/07/2001 10:30:00 AM

Clayton GROUP SERVICES

CLIENT:	CLAYTON GROUP SERVICES
Project:	15-00116.01/Millenium Petrochemical
Lab Order:	01030206
Date Received:	03/08/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01030206-008E	MWF01S-010307		03/07/2001 10:30:00 AM
01030206-009A	TB-1S		03/07/2001
01030206-010A	MW09S-010307		03/07/2001 8:55:00 AM
01030206-010B	MW09S-010307		03/07/2001 8:55:00 AM
01030206-010C	MW09S-010307		03/07/2001 8:55:00 AM
01030206-010D	MW09S-010307		03/07/2001 8:55:00 AM
01030206-010E	MW09S-010307		03/07/2001 8:55:00 AM
01030206-010F	MW09S-010307		03/07/2001 8:55:00 AM
01030206-010G	MW09S-010307		03/07/2001 8:55:00 AM
01030206-010H	MW09S-010307		03/07/2001 8:55:00 AM
01030206-010I	MW09S-010307		03/07/2001 8:55:00 AM
01030206-011A	MWF09S-010307		03/07/2001 8:55:00 AM
01030206-011B	MWF09S-010307		03/07/2001 8:55:00 AM
01030206-011C	MWF09S-010307		03/07/2001 8:55:00 AM
01030206-011D	MWF09S-010307		03/07/2001 8:55:00 AM
01030206-011E	MWF09S-010307		03/07/2001 8:55:00 AM
01030206-012A	TB-9S		
01030206-013A	LAB BLANK		03/07/2001

Clayton GROUP SERVICES

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 01030261
Date Received: 03/09/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01030261-001A	MW01D-010308		03/08/2001 11:00:00 AM
01030261-001B	MW01D-010308		03/08/2001 11:00:00 AM
01030261-001C	MW01D-010308		03/08/2001 11:00:00 AM
01030261-001D	MW01D-010308		03/08/2001 11:00:00 AM
01030261-001E	MW01D-010308		03/08/2001 11:00:00 AM
01030261-001F	MW01D-010308		03/08/2001 11:00:00 AM
01030261-001G	MW01D-010308		03/08/2001 11:00:00 AM
01030261-001H	MW01D-010308		03/08/2001 11:00:00 AM
01030261-001I	MW01D-010308		03/08/2001 11:00:00 AM
01030261-002A	MWF01D-010308 (FILTERE		03/08/2001 11:00:00 AM
01030261-002B	MWF01D-010308 (FILTERE		03/08/2001 11:00:00 AM
01030261-002C	MWF01D-010308 (FILTERE		03/08/2001 11:00:00 AM
01030261-002D	MWF01D-010308 (FILTERE		03/08/2001 11:00:00 AM
01030261-002E	MWF01D-010308 (FILTERE		03/08/2001 11:00:00 AM
01030261-003A	TB-1D		03/08/2001
01030261-004A	MW08D-010308		03/08/2001 2:30:00 PM
01030261-004B	MW08D-010308		03/08/2001 2:30:00 PM
01030261-004C	MW08D-010308		03/08/2001 2:30:00 PM
01030261-004D	MW08D-010308		03/08/2001 2:30:00 PM
01030261-004E	MW08D-010308		03/08/2001 2:30:00 PM
01030261-004F	MW08D-010308		03/08/2001 2:30:00 PM
01030261-004G	MW08D-010308		03/08/2001 2:30:00 PM
01030261-004H	MW08D-010308		03/08/2001 2:30:00 PM
01030261-004I	MW08D-010308		03/08/2001 2:30:00 PM
01030261-005A	MWF08D-010308 (FILTERE		03/08/2001 2:30:00 PM
01030261-005B	MWF08D-010308 (FILTERE		03/08/2001 2:30:00 PM
01030261-005C	MWF08D-010308 (FILTERE		03/08/2001 2:30:00 PM
01030261-005D	MWF08D-010308 (FILTERE		03/08/2001 2:30:00 PM
01030261-005E	MWF08D-010308 (FILTERE		03/08/2001 2:30:00 PM
01030261-006A	TB-8D		03/08/2001
01030261-007A	MW03D-010308		03/08/2001 8:00:00 AM
01030261-007B	MW03D-010308		03/08/2001 8:00:00 AM
01030261-007C	MW03D-010308		03/08/2001 8:00:00 AM
01030261-007D	MW03D-010308		03/08/2001 8:00:00 AM
01030261-007E	MW03D-010308		03/08/2001 8:00:00 AM
01030261-007F	MW03D-010308		03/08/2001 8:00:00 AM
01030261-007G	MW03D-010308		03/08/2001 8:00:00 AM

Clayton GROUP SERVICES

CLIENT:	CLAYTON GROUP SERVICES
Project:	15-00116.01/Millenium Petrochemical
Lab Order:	01030261
Date Received:	03/09/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01030261-007H	MW03D-010308		03/08/2001 8:00:00 AM
01030261-007I	MW03D-010308		03/08/2001 8:00:00 AM
01030261-008A	MWF03D-010308 (FILTERE		03/08/2001 8:00:00 AM
01030261-008B	MWF03D-010308 (FILTERE		03/08/2001 8:00:00 AM
01030261-008C	MWF03D-010308 (FILTERE		03/08/2001 8:00:00 AM
01030261-008D	MWF03D-010308 (FILTERE		03/08/2001 8:00:00 AM
01030261-008E	MWF03D-010308 (FILTERE		03/08/2001 8:00:00 AM
01030261-009A	MW02D-010307		03/07/2001 11:30:00 AM
01030261-009B	MW02D-010307		03/07/2001 11:30:00 AM
01030261-009C	MW02D-010307		03/07/2001 11:30:00 AM
01030261-009D	MW02D-010307		03/07/2001 11:30:00 AM
01030261-010A	MWF02D-010307 (FILTERE		03/07/2001 11:30:00 AM
01030261-010B	MWF02D-010307 (FILTERE		03/07/2001 11:30:00 AM
01030261-011A	TB-3D		03/07/2001
01030261-012A	RB03-010308		03/08/2001 12:15:00 PM
01030261-012B	RB03-010308		03/08/2001 12:15:00 PM
01030261-012C	RB03-010308		03/08/2001 12:15:00 PM
01030261-012D	RB03-010308		03/08/2001 12:15:00 PM
01030261-012E	RB03-010308		03/08/2001 12:15:00 PM
01030261-012F	RB03-010308		03/08/2001 12:15:00 PM
01030261-012G	RB03-010308		03/08/2001 12:15:00 PM
01030261-012H	RB03-010308		03/08/2001 12:15:00 PM
01030261-012I	RB03-010308		03/08/2001 12:15:00 PM
01030261-013A	LAB BLANK		03/08/2001

Clayton GROUP SERVICES

Clayton Group Services

Date: *12-Jun-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.01/Millenium Petrochemical
Lab Order: 01030312
Date Received: 03/12/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01030312-001A	MW09D-010309		03/09/2001 10:30:00 AM
01030312-001B	MW09D-010309		03/09/2001 10:30:00 AM
01030312-001C	MW09D-010309		03/09/2001 10:30:00 AM
01030312-001D	MW09D-010309		03/09/2001 10:30:00 AM
01030312-001E	MW09D-010309		03/09/2001 10:30:00 AM
01030312-001F	MW09D-010309		03/09/2001 10:30:00 AM
01030312-001G	MW09D-010309		03/09/2001 10:30:00 AM
01030312-001H	MW09D-010309		03/09/2001 10:30:00 AM
01030312-001I	MW09D-010309		03/09/2001 10:30:00 AM
01030312-002A	MWF09D-010309		03/09/2001 10:30:00 AM
01030312-002B	MWF09D-010309		03/09/2001 10:30:00 AM
01030312-002C	MWF09D-010309		03/09/2001 10:30:00 AM
01030312-002D	MWF09D-010309		03/09/2001 10:30:00 AM
01030312-002E	MWF09D-010309		03/09/2001 10:30:00 AM
01030312-003A	LAB BLANK		03/09/2001

Clayton GROUP SERVICES

Work Order Sample Summary

Date: *09-Oct-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.03/Millenium Petrochemical
Work Order: 01080181
Date Received: 08/07/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01080181-001A	MW02S-010806		08/06/2001 12:30:00 PM
01080181-001B	MW02S-010806		08/06/2001 12:30:00 PM
01080181-001C	MW02S-010806		08/06/2001 12:30:00 PM
01080181-001D	MW02S-010806		08/06/2001 12:30:00 PM
01080181-001E	MW02S-010806		08/06/2001 12:30:00 PM
01080181-001F	MW02S-010806		08/06/2001 12:30:00 PM
01080181-001G	MW02S-010806		08/06/2001 12:30:00 PM
01080181-001H	MW02S-010806		08/06/2001 12:30:00 PM
01080181-001I	MW02S-010806		08/06/2001 12:30:00 PM
01080181-002A	MWF02S-010806		08/06/2001 12:30:00 PM
01080181-002B	MWF02S-010806		08/06/2001 12:30:00 PM
01080181-002C	MWF02S-010806		08/06/2001 12:30:00 PM
01080181-002D	MWF02S-010806		08/06/2001 12:30:00 PM
01080181-002E	MWF02S-010806		08/06/2001 12:30:00 PM
01080181-003A	LAB BLANK		08/06/2001

Clayton GROUP SERVICES

Work Order Sample Summary

Date: *09-Oct-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.003/Millenium Petrochemical
Work Order: 01080231
Date Received: 08/08/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01080231-001A	MW02D-010806		08/06/2001 12:15:00 PM
01080231-001B	MW02D-010806		08/06/2001 12:15:00 PM
01080231-001C	MW02D-010806		08/06/2001 12:15:00 PM
01080231-001D	MW02D-010806		08/06/2001 12:15:00 PM
01080231-001E	MW02D-010806		08/06/2001 12:15:00 PM
01080231-001F	MW02D-010806		08/06/2001 12:15:00 PM
01080231-001G	MW02D-010806		08/06/2001 12:15:00 PM
01080231-001H	MW02D-010806		08/06/2001 12:15:00 PM
01080231-001I	MW02D-010806		08/06/2001 12:15:00 PM
01080231-002A	MWF02D-010806 (FILTERE		08/06/2001 12:15:00 PM
01080231-002B	MWF02D-010806 (FILTERE		08/06/2001 12:15:00 PM
01080231-002C	MWF02D-010806 (FILTERE		08/06/2001 12:15:00 PM
01080231-002D	MWF02D-010806 (FILTERE		08/06/2001 12:15:00 PM
01080231-002E	MWF02D-010806 (FILTERE		08/06/2001 12:15:00 PM
01080231-003A	MW04D-010807		08/07/2001 9:00:00 AM
01080231-003B	MW04D-010807		08/07/2001 9:00:00 AM
01080231-003C	MW04D-010807		08/07/2001 9:00:00 AM
01080231-003D	MW04D-010807		08/07/2001 9:00:00 AM
01080231-003E	MW04D-010807		08/07/2001 9:00:00 AM
01080231-003F	MW04D-010807		08/07/2001 9:00:00 AM
01080231-003G	MW04D-010807		08/07/2001 9:00:00 AM
01080231-003H	MW04D-010807		08/07/2001 9:00:00 AM
01080231-003I	MW04D-010807		08/07/2001 9:00:00 AM
01080231-004A	MWF04D-010807 (FILTERE		08/07/2001 9:00:00 AM
01080231-004B	MWF04D-010807 (FILTERE		08/07/2001 9:00:00 AM
01080231-004C	MWF04D-010807 (FILTERE		08/07/2001 9:00:00 AM
01080231-004D	MWF04D-010807 (FILTERE		08/07/2001 9:00:00 AM
01080231-004E	MWF04D-010807 (FILTERE		08/07/2001 9:00:00 AM
01080231-005A	TRIP BLANK 010807		08/07/2001
01080231-006A	MW05D-010807		08/07/2001 12:45:00 PM
01080231-006B	MW05D-010807		08/07/2001 12:45:00 PM
01080231-006C	MW05D-010807		08/07/2001 12:45:00 PM
01080231-006D	MW05D-010807		08/07/2001 12:45:00 PM
01080231-006E	MW05D-010807		08/07/2001 12:45:00 PM
01080231-006F	MW05D-010807		08/07/2001 12:45:00 PM
01080231-006G	MW05D-010807		08/07/2001 12:45:00 PM
01080231-006H	MW05D-010807		08/07/2001 12:45:00 PM

Clayton GROUP SERVICES

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.003/Millenium Petrochemical
Work Order: 01080231
Date Received: 08/08/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01080231-006I	MW05D-010807		08/07/2001 12:45:00 PM
01080231-007A	MWF05D-010807 (FILTERE		08/07/2001 12:45:00 PM
01080231-007B	MWF05D-010807 (FILTERE		08/07/2001 12:45:00 PM
01080231-007C	MWF05D-010807 (FILTERE		08/07/2001 12:45:00 PM
01080231-007D	MWF05D-010807 (FILTERE		08/07/2001 12:45:00 PM
01080231-007E	MWF05D-010807 (FILTERE		08/07/2001 12:45:00 PM
01080231-008A	MW05S-010807		08/07/2001 1:00:00 PM
01080231-008B	MW05S-010807		08/07/2001 1:00:00 PM
01080231-008C	MW05S-010807		08/07/2001 1:00:00 PM
01080231-008D	MW05S-010807		08/07/2001 1:00:00 PM
01080231-008E	MW05S-010807		08/07/2001 1:00:00 PM
01080231-008F	MW05S-010807		08/07/2001 1:00:00 PM
01080231-008G	MW05S-010807		08/07/2001 1:00:00 PM
01080231-008H	MW05S-010807		08/07/2001 1:00:00 PM
01080231-008I	MW05S-010807		08/07/2001 1:00:00 PM
01080231-009A	MWF05S-010807 (FILTERE		08/06/2001 1:00:00 PM
01080231-009B	MWF05S-010807 (FILTERE		08/06/2001 1:00:00 PM
01080231-009C	MWF05S-010807 (FILTERE		08/06/2001 1:00:00 PM
01080231-009D	MWF05S-010807 (FILTERE		08/06/2001 1:00:00 PM
01080231-009E	MWF05S-010807 (FILTERE		08/06/2001 1:00:00 PM
01080231-010A	TRIP BLANK		08/07/2001
01080231-011A	LAB BLANK		08/07/2001

Clayton GROUP SERVICES

Work Order Sample Summary

Date: *09-Oct-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.03/Millenium Petrochemical
Work Order: 01080265
Date Received: 08/09/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01080265-001A	MW01D-010807		08/07/2001 4:00:00 PM
01080265-001B	MW01D-010807		08/07/2001 4:00:00 PM
01080265-001C	MW01D-010807		08/07/2001 4:00:00 PM
01080265-001D	MW01D-010807		08/07/2001 4:00:00 PM
01080265-001E	MW01D-010807		08/07/2001 4:00:00 PM
01080265-001F	MW01D-010807		08/07/2001 4:00:00 PM
01080265-001G	MW01D-010807		08/07/2001 4:00:00 PM
01080265-001H	MW01D-010807		08/07/2001 4:00:00 PM
01080265-001I	MW01D-010807		08/07/2001 4:00:00 PM
01080265-002A	MWF01D-010807 FILTERE		08/07/2001 4:00:00 PM
01080265-002B	MWF01D-010807 FILTERE		08/07/2001 4:00:00 PM
01080265-002C	MWF01D-010807 FILTERE		08/07/2001 4:00:00 PM
01080265-002D	MWF01D-010807 FILTERE		08/07/2001 4:00:00 PM
01080265-002E	MWF01D-010807 FILTERE		08/07/2001 4:00:00 PM
01080265-003A	TRIP BLANK		08/07/2001
01080265-004A	MW03D-010808		08/08/2001 4:00:00 PM
01080265-004B	MW03D-010808		08/08/2001 4:00:00 PM
01080265-004C	MW03D-010808		08/08/2001 4:00:00 PM
01080265-004D	MW03D-010808		08/08/2001 4:00:00 PM
01080265-004E	MW03D-010808		08/08/2001 4:00:00 PM
01080265-004F	MW03D-010808		08/08/2001 4:00:00 PM
01080265-004G	MW03D-010808		08/08/2001 4:00:00 PM
01080265-004H	MW03D-010808		08/08/2001 4:00:00 PM
01080265-004I	MW03D-010808		08/08/2001 4:00:00 PM
01080265-005A	MWF03D-010808		08/08/2001 4:00:00 PM
01080265-005B	MWF03D-010808		08/08/2001 4:00:00 PM
01080265-005C	MWF03D-010808		08/08/2001 4:00:00 PM
01080265-005D	MWF03D-010808		08/08/2001 4:00:00 PM
01080265-005E	MWF03D-010808		08/08/2001 4:00:00 PM
01080265-006A	MW07S-010808		08/08/2001 10:00:00 AM
01080265-006B	MW07S-010808		08/08/2001 10:00:00 AM
01080265-006C	MW07S-010808		08/08/2001 10:00:00 AM
01080265-006D	MW07S-010808		08/08/2001 10:00:00 AM
01080265-006E	MW07S-010808		08/08/2001 10:00:00 AM
01080265-006F	MW07S-010808		08/08/2001 10:00:00 AM
01080265-006G	MW07S-010808		08/08/2001 10:00:00 AM
01080265-006H	MW07S-010808		08/08/2001 10:00:00 AM

Clayton GROUP SERVICES

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.03/Millenium Petrochemical
Work Order: 01080265
Date Received: 08/09/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01080265-006I	MW07S-010808		08/08/2001 10:00:00 AM
01080265-007A	MWF07S-010808 FILTERE		08/08/2001 10:00:00 AM
01080265-007B	MWF07S-010808 FILTERE		08/08/2001 10:00:00 AM
01080265-007C	MWF07S-010808 FILTERE		08/08/2001 10:00:00 AM
01080265-007D	MWF07S-010808 FILTERE		08/08/2001 10:00:00 AM
01080265-007E	MWF07S-010808 FILTERE		08/08/2001 10:00:00 AM
01080265-008A	TRIP BLANK		08/08/2001
01080265-009A	MW907D-010808		08/08/2001 10:00:00 AM
01080265-009B	MW907D-010808		08/08/2001 10:00:00 AM
01080265-009C	MW907D-010808		08/08/2001 10:00:00 AM
01080265-009D	MW907D-010808		08/08/2001 10:00:00 AM
01080265-009E	MW907D-010808		08/08/2001 10:00:00 AM
01080265-009F	MW907D-010808		08/08/2001 10:00:00 AM
01080265-009G	MW907D-010808		08/08/2001 10:00:00 AM
01080265-009H	MW907D-010808		08/08/2001 10:00:00 AM
01080265-009I	MW907D-010808		08/08/2001 10:00:00 AM
01080265-010A	MWF907D-010808 FILTER		08/08/2001 10:00:00 AM
01080265-010B	MWF907D-010808 FILTER		08/08/2001 10:00:00 AM
01080265-010C	MWF907D-010808 FILTER		08/08/2001 10:00:00 AM
01080265-010D	MWF907D-010808 FILTER		08/08/2001 10:00:00 AM
01080265-010E	MWF907D-010808 FILTER		08/08/2001 10:00:00 AM
01080265-011A	TRIP BLANK		08/08/2001
01080265-012A	MW07D-010808		08/08/2001 10:00:00 AM
01080265-012B	MW07D-010808		08/08/2001 10:00:00 AM
01080265-012C	MW07D-010808		08/08/2001 10:00:00 AM
01080265-012D	MW07D-010808		08/08/2001 10:00:00 AM
01080265-012E	MW07D-010808		08/08/2001 10:00:00 AM
01080265-012F	MW07D-010808		08/08/2001 10:00:00 AM
01080265-012G	MW07D-010808		08/08/2001 10:00:00 AM
01080265-012H	MW07D-010808		08/08/2001 10:00:00 AM
01080265-012I	MW07D-010808		08/08/2001 10:00:00 AM
01080265-013A	MWF07D-010808 FILTERE		08/08/2001 10:00:00 AM
01080265-013B	MWF07D-010808 FILTERE		08/08/2001 10:00:00 AM
01080265-013C	MWF07D-010808 FILTERE		08/08/2001 10:00:00 AM
01080265-013D	MWF07D-010808 FILTERE		08/08/2001 10:00:00 AM
01080265-013E	MWF07D-010808 FILTERE		08/08/2001 10:00:00 AM
01080265-014A	TRIP BLANK		08/08/2001
01080265-015A	MW01S-010807		08/07/2001 5:30:00 PM
01080265-015B	MW01S-010807		08/07/2001 5:30:00 PM

Clayton GROUP SERVICES

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.03/Millenium Petrochemical
Work Order: 01080265
Date Received: 08/09/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01080265-015C	MW01S-010807		08/07/2001 5:30:00 PM
01080265-015D	MW01S-010807		08/07/2001 5:30:00 PM
01080265-015E	MW01S-010807		08/07/2001 5:30:00 PM
01080265-015F	MW01S-010807		08/07/2001 5:30:00 PM
01080265-015G	MW01S-010807		08/07/2001 5:30:00 PM
01080265-015H	MW01S-010807		08/07/2001 5:30:00 PM
01080265-015I	MW01S-010807		08/07/2001 5:30:00 PM
01080265-016A	MWF01S-010807 FILTERE		08/07/2001 5:30:00 PM
01080265-016B	MWF01S-010807 FILTERE		08/07/2001 5:30:00 PM
01080265-016C	MWF01S-010807 FILTERE		08/07/2001 5:30:00 PM
01080265-016D	MWF01S-010807 FILTERE		08/07/2001 5:30:00 PM
01080265-016E	MWF01S-010807 FILTERE		08/07/2001 5:30:00 PM
01080265-017A	TRIP BLANK		08/07/2001
01080265-018A	MW06D-010808		08/08/2001 1:30:00 PM
01080265-018B	MW06D-010808		08/08/2001 1:30:00 PM
01080265-018C	MW06D-010808		08/08/2001 1:30:00 PM
01080265-018D	MW06D-010808		08/08/2001 1:30:00 PM
01080265-018E	MW06D-010808		08/08/2001 1:30:00 PM
01080265-018F	MW06D-010808		08/08/2001 1:30:00 PM
01080265-018G	MW06D-010808		08/08/2001 1:30:00 PM
01080265-018H	MW06D-010808		08/08/2001 1:30:00 PM
01080265-018I	MW06D-010808		08/08/2001 1:30:00 PM
01080265-019A	MWF06D-010808 FILTERE		08/08/2001 1:30:00 PM
01080265-019B	MWF06D-010808 FILTERE		08/08/2001 1:30:00 PM
01080265-019C	MWF06D-010808 FILTERE		08/08/2001 1:30:00 PM
01080265-019D	MWF06D-010808 FILTERE		08/08/2001 1:30:00 PM
01080265-019E	MWF06D-010808 FILTERE		08/08/2001 1:30:00 PM
01080265-020A	TRIP BLANK		08/08/2001
01080265-021A	LAB BLANK		08/08/2001

Clayton GROUP SERVICES

Work Order Sample Summary

Date: *09-Oct-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.03/Millenium Petrochemical
Work Order: 01080321
Date Received: 08/10/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01080321-001A	MW09S-010809		08/09/2001 9:00:00 AM
01080321-001B	MW09S-010809		08/09/2001 9:00:00 AM
01080321-001C	MW09S-010809		08/09/2001 9:00:00 AM
01080321-001D	MW09S-010809		08/09/2001 9:00:00 AM
01080321-001E	MW09S-010809		08/09/2001 9:00:00 AM
01080321-001F	MW09S-010809		08/09/2001 9:00:00 AM
01080321-001G	MW09S-010809		08/09/2001 9:00:00 AM
01080321-001H	MW09S-010809		08/09/2001 9:00:00 AM
01080321-001I	MW09S-010809		08/09/2001 9:00:00 AM
01080321-002A	MWF09S-010809		08/09/2001 9:00:00 AM
01080321-002B	MWF09S-010809		08/09/2001 9:00:00 AM
01080321-002C	MWF09S-010809		08/09/2001 9:00:00 AM
01080321-002D	MWF09S-010809		08/09/2001 9:00:00 AM
01080321-002E	MWF09S-010809		08/09/2001 9:00:00 AM
01080321-003A	TRIP BLANK		08/09/2001
01080321-004A	MW09D-010809		08/09/2001 9:30:00 AM
01080321-004B	MW09D-010809		08/09/2001 9:30:00 AM
01080321-004C	MW09D-010809		08/09/2001 9:30:00 AM
01080321-004D	MW09D-010809		08/09/2001 9:30:00 AM
01080321-004E	MW09D-010809		08/09/2001 9:30:00 AM
01080321-004F	MW09D-010809		08/09/2001 9:30:00 AM
01080321-004G	MW09D-010809		08/09/2001 9:30:00 AM
01080321-004H	MW09D-010809		08/09/2001 9:30:00 AM
01080321-004I	MW09D-010809		08/09/2001 9:30:00 AM
01080321-005A	MWF09D-010809 FILTERE		08/09/2001 9:30:00 AM
01080321-005B	MWF09D-010809 FILTERE		08/09/2001 9:30:00 AM
01080321-005C	MWF09D-010809 FILTERE		08/09/2001 9:30:00 AM
01080321-005D	MWF09D-010809 FILTERE		08/09/2001 9:30:00 AM
01080321-005E	MWF09D-010809 FILTERE		08/09/2001 9:30:00 AM
01080321-006A	TRIP BLANK		08/09/2001
01080321-007A	MW11-010809		08/09/2001 2:30:00 PM
01080321-007B	MW11-010809		08/09/2001 2:30:00 PM
01080321-007C	MW11-010809		08/09/2001 2:30:00 PM
01080321-007D	MW11-010809		08/09/2001 2:30:00 PM
01080321-007E	MW11-010809		08/09/2001 2:30:00 PM
01080321-007F	MW11-010809		08/09/2001 2:30:00 PM
01080321-007G	MW11-010809		08/09/2001 2:30:00 PM

Clayton GROUP SERVICES

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.03/Millenium Petrochemical
Work Order: 01080321
Date Received: 08/10/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01080321-007H	MW11-010809		08/09/2001 2:30:00 PM
01080321-007I	MW11-010809		08/09/2001 2:30:00 PM
01080321-008A	MWF11-010809		08/09/2001 2:30:00 PM
01080321-008B	MWF11-010809		08/09/2001 2:30:00 PM
01080321-008C	MWF11-010809		08/09/2001 2:30:00 PM
01080321-008D	MWF11-010809		08/09/2001 2:30:00 PM
01080321-008E	MWF11-010809		08/09/2001 2:30:00 PM
01080321-009A	TRIP BLANK		08/09/2001
01080321-010A	MW06S-010808		08/08/2001 3:30:00 PM
01080321-010B	MW06S-010808		08/08/2001 3:30:00 PM
01080321-010C	MW06S-010808		08/08/2001 3:30:00 PM
01080321-010D	MW06S-010808		08/08/2001 3:30:00 PM
01080321-010E	MW06S-010808		08/08/2001 3:30:00 PM
01080321-010F	MW06S-010808		08/08/2001 3:30:00 PM
01080321-010G	MW06S-010808		08/08/2001 3:30:00 PM
01080321-010H	MW06S-010808		08/08/2001 3:30:00 PM
01080321-010I	MW06S-010808		08/08/2001 3:30:00 PM
01080321-011A	MWF06S-010808 FILTERE		08/08/2001 3:30:00 PM
01080321-011B	MWF06S-010808 FILTERE		08/08/2001 3:30:00 PM
01080321-011C	MWF06S-010808 FILTERE		08/08/2001 3:30:00 PM
01080321-011D	MWF06S-010808 FILTERE		08/08/2001 3:30:00 PM
01080321-011E	MWF06S-010808 FILTERE		08/08/2001 3:30:00 PM
01080321-012A	TRIP BLANK		08/08/2001
01080321-013A	MW03S-010809		08/09/2001 1:00:00 PM
01080321-013B	MW03S-010809		08/09/2001 1:00:00 PM
01080321-013C	MW03S-010809		08/09/2001 1:00:00 PM
01080321-013D	MW03S-010809		08/09/2001 1:00:00 PM
01080321-013E	MW03S-010809		08/09/2001 1:00:00 PM
01080321-013F	MW03S-010809		08/09/2001 1:00:00 PM
01080321-013G	MW03S-010809		08/09/2001 1:00:00 PM
01080321-013H	MW03S-010809		08/09/2001 1:00:00 PM
01080321-013I	MW03S-010809		08/09/2001 1:00:00 PM
01080321-013J	MW03S-010809		08/09/2001 1:00:00 PM
01080321-014A	TRIP BLANK		08/09/2001 1:00:00 PM
01080321-015A	LAB BLANK		08/09/2001 1:00:00 PM
01080321-016A	MWF03S-010809		08/09/2001
01080321-016B	MWF03S-010809		08/09/2001
01080321-016C	MWF03S-010809		08/09/2001
01080321-016D	MWF03S-010809		08/09/2001

Clayton GROUP SERVICES

CLIENT:	CLAYTON GROUP SERVICES
Project:	15-00116.03/Millenium Petrochemical
Work Order:	01080321
Date Received:	08/10/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01080321-016E	MWF03S-010809		08/09/2001

Clayton GROUP SERVICES

Work Order Sample Summary

Date: *09-Oct-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.03/Millenium Petrochemical
Work Order: 01080398
Date Received: 08/13/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01080398-001A	MW04S-010807		08/07/2001
01080398-001B	MW04S-010807		08/07/2001
01080398-001C	MW04S-010807		08/07/2001
01080398-001D	MW04S-010807		08/07/2001
01080398-001E	MW04S-010807		08/07/2001
01080398-001F	MW04S-010807		08/07/2001
01080398-001G	MW04S-010807		08/07/2001
01080398-001H	MW04S-010807		08/07/2001
01080398-001I	MW04S-010807		08/07/2001
01080398-002A	MWF04S-010807 (FILTERE		08/07/2001
01080398-002B	MWF04S-010807 (FILTERE		08/07/2001
01080398-002C	MWF04S-010807 (FILTERE		08/07/2001
01080398-002D	MWF04S-010807 (FILTERE		08/07/2001
01080398-002E	MWF04S-010807 (FILTERE		08/07/2001
01080398-003A	TRIP BLANK		08/07/2001
01080398-004A	MW10-010809		08/09/2001 4:15:00 PM
01080398-004B	MW10-010809		08/09/2001 4:15:00 PM
01080398-004C	MW10-010809		08/09/2001 4:15:00 PM
01080398-004D	MW10-010809		08/09/2001 4:15:00 PM
01080398-004E	MW10-010809		08/09/2001 4:15:00 PM
01080398-004F	MW10-010809		08/09/2001 4:15:00 PM
01080398-004G	MW10-010809		08/09/2001 4:15:00 PM
01080398-004H	MW10-010809		08/09/2001 4:15:00 PM
01080398-004I	MW10-010809		08/09/2001 4:15:00 PM
01080398-005A	MWF10-010809 FILTERED		08/09/2001 4:15:00 PM
01080398-005B	MWF10-010809 FILTERED		08/09/2001 4:15:00 PM
01080398-005C	MWF10-010809 FILTERED		08/09/2001 4:15:00 PM
01080398-005D	MWF10-010809 FILTERED		08/09/2001 4:15:00 PM
01080398-005E	MWF10-010809 FILTERED		08/09/2001 4:15:00 PM
01080398-006A	MW910-010809		08/09/2001 4:15:00 PM
01080398-006B	MW910-010809		08/09/2001 4:15:00 PM
01080398-006C	MW910-010809		08/09/2001 4:15:00 PM
01080398-006D	MW910-010809		08/09/2001 4:15:00 PM
01080398-006E	MW910-010809		08/09/2001 4:15:00 PM
01080398-006F	MW910-010809		08/09/2001 4:15:00 PM
01080398-006G	MW910-010809		08/09/2001 4:15:00 PM
01080398-006H	MW910-010809		08/09/2001 4:15:00 PM

Clayton GROUP SERVICES

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.03/Millenium Petrochemical
Work Order: 01080398
Date Received: 08/13/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01080398-006I	MW910-010809		08/09/2001 4:15:00 PM
01080398-007A	MWF910-010809 FILTERE		08/09/2001 4:15:00 PM
01080398-007B	MWF910-010809 FILTERE		08/09/2001 4:15:00 PM
01080398-007C	MWF910-010809 FILTERE		08/09/2001 4:15:00 PM
01080398-007D	MWF910-010809 FILTERE		08/09/2001 4:15:00 PM
01080398-007E	MWF910-010809 FILTERE		08/09/2001 4:15:00 PM
01080398-008A	MW08S-010810		08/10/2001 10:00:00 AM
01080398-008B	MW08S-010810		08/10/2001 10:00:00 AM
01080398-008C	MW08S-010810		08/10/2001 10:00:00 AM
01080398-008D	MW08S-010810		08/10/2001 10:00:00 AM
01080398-008E	MW08S-010810		08/10/2001 10:00:00 AM
01080398-008F	MW08S-010810		08/10/2001 10:00:00 AM
01080398-008G	MW08S-010810		08/10/2001 10:00:00 AM
01080398-008H	MW08S-010810		08/10/2001 10:00:00 AM
01080398-008I	MW08S-010810		08/10/2001 10:00:00 AM
01080398-009A	MWF08S-010810		08/10/2001 10:00:00 AM
01080398-009B	MWF08S-010810		08/10/2001 10:00:00 AM
01080398-009C	MWF08S-010810		08/10/2001 10:00:00 AM
01080398-009D	MWF08S-010810		08/10/2001 10:00:00 AM
01080398-009E	MWF08S-010810		08/10/2001 10:00:00 AM
01080398-010A	MW08D-010810		08/10/2001 10:30:00 AM
01080398-010B	MW08D-010810		08/10/2001 10:30:00 AM
01080398-010C	MW08D-010810		08/10/2001 10:30:00 AM
01080398-010D	MW08D-010810		08/10/2001 10:30:00 AM
01080398-010E	MW08D-010810		08/10/2001 10:30:00 AM
01080398-010F	MW08D-010810		08/10/2001 10:30:00 AM
01080398-010G	MW08D-010810		08/10/2001 10:30:00 AM
01080398-010H	MW08D-010810		08/10/2001 10:30:00 AM
01080398-010I	MW08D-010810		08/10/2001 10:30:00 AM
01080398-011A	MWF08D-010810		08/10/2001 10:30:00 AM
01080398-011B	MWF08D-010810		08/10/2001 10:30:00 AM
01080398-011C	MWF08D-010810		08/10/2001 10:30:00 AM
01080398-011D	MWF08D-010810		08/10/2001 10:30:00 AM
01080398-011E	MWF08D-010810		08/10/2001 10:30:00 AM
01080398-012A	EQ3-010810		08/10/2001 11:30:00 AM
01080398-012B	EQ3-010810		08/10/2001 11:30:00 AM
01080398-012C	EQ3-010810		08/10/2001 11:30:00 AM
01080398-012D	EQ3-010810		08/10/2001 11:30:00 AM
01080398-012E	EQ3-010810		08/10/2001 11:30:00 AM

Clayton GROUP SERVICES

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.03/Millenium Petrochemical
Work Order: 01080398
Date Received: 08/13/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01080398-012F	EQ3-010810		08/10/2001 11:30:00 AM
01080398-012G	EQ3-010810		08/10/2001 11:30:00 AM
01080398-012H	EQ3-010810		08/10/2001 11:30:00 AM
01080398-012I	EQ3-010810		08/10/2001 11:30:00 AM
01080398-013A	LAB BLANK		08/10/2001

Clayton GROUP SERVICES

Work Order Sample Summary

Date: *09-Oct-01*

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.03/Millenium Petrochemical
Work Order: 01090146
Date Received: 09/07/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01090146-001A	E-010905		09/05/2001 2:35:00 PM
01090146-001B	E-010905		09/05/2001 2:35:00 PM
01090146-001C	E-010905		09/05/2001 2:35:00 PM
01090146-001D	E-010905		09/05/2001 2:35:00 PM
01090146-001E	E-010905		09/05/2001 2:35:00 PM
01090146-001F	E-010905		09/05/2001 2:35:00 PM
01090146-001G	E-010905		09/05/2001 2:35:00 PM
01090146-002A	19-010905		09/05/2001 3:25:00 PM
01090146-002B	19-010905		09/05/2001 3:25:00 PM
01090146-002C	19-010905		09/05/2001 3:25:00 PM
01090146-002D	19-010905		09/05/2001 3:25:00 PM
01090146-002E	19-010905		09/05/2001 3:25:00 PM
01090146-002F	19-010905		09/05/2001 3:25:00 PM
01090146-002G	19-010905		09/05/2001 3:25:00 PM
01090146-003A	TRIP BLANK		09/05/2001
01090146-004A	N-010905		09/05/2001 7:30:00 PM
01090146-004B	N-010905		09/05/2001 7:30:00 PM
01090146-004C	N-010905		09/05/2001 7:30:00 PM
01090146-004D	N-010905		09/05/2001 7:30:00 PM
01090146-004E	N-010905		09/05/2001 7:30:00 PM
01090146-004F	N-010905		09/05/2001 7:30:00 PM
01090146-004G	N-010905		09/05/2001 7:30:00 PM
01090146-005A	M-010906		09/06/2001 8:25:00 AM
01090146-005B	M-010906		09/06/2001 8:25:00 AM
01090146-005C	M-010906		09/06/2001 8:25:00 AM
01090146-005D	M-010906		09/06/2001 8:25:00 AM
01090146-005E	M-010906		09/06/2001 8:25:00 AM
01090146-005F	M-010906		09/06/2001 8:25:00 AM
01090146-005G	M-010906		09/06/2001 8:25:00 AM
01090146-006A	TRIP BLANK		09/06/2001
01090146-007A	14-010906		09/06/2001 9:15:00 AM
01090146-007B	14-010906		09/06/2001 9:15:00 AM
01090146-007C	14-010906		09/06/2001 9:15:00 AM
01090146-007D	14-010906		09/06/2001 9:15:00 AM
01090146-007E	14-010906		09/06/2001 9:15:00 AM
01090146-007F	14-010906		09/06/2001 9:15:00 AM
01090146-007G	14-010906		09/06/2001 9:15:00 AM

Clayton GROUP SERVICES

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.03/Millenium Petrochemical
Work Order: 01090146
Date Received: 09/07/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01090146-008A	13-010906		09/06/2001 10:05:00 AM
01090146-008B	13-010906		09/06/2001 10:05:00 AM
01090146-008C	13-010906		09/06/2001 10:05:00 AM
01090146-008D	13-010906		09/06/2001 10:05:00 AM
01090146-008E	13-010906		09/06/2001 10:05:00 AM
01090146-008F	13-010906		09/06/2001 10:05:00 AM
01090146-008G	13-010906		09/06/2001 10:05:00 AM
01090146-009A	TRIP BLANK		09/06/2001
01090146-010A	0-010906		09/06/2001 11:05:00 AM
01090146-010B	0-010906		09/06/2001 11:05:00 AM
01090146-010C	0-010906		09/06/2001 11:05:00 AM
01090146-010D	0-010906		09/06/2001 11:05:00 AM
01090146-010E	0-010906		09/06/2001 11:05:00 AM
01090146-010F	0-010906		09/06/2001 11:05:00 AM
01090146-010G	0-010906		09/06/2001 11:05:00 AM
01090146-011A	TRIP BLANK		09/06/2001
01090146-012A	K-010905		09/05/2001 6:10:00 PM
01090146-012B	K-010905		09/05/2001 6:10:00 PM
01090146-012C	K-010905		09/05/2001 6:10:00 PM
01090146-012D	K-010905		09/05/2001 6:10:00 PM
01090146-012E	K-010905		09/05/2001 6:10:00 PM
01090146-012F	K-010905		09/05/2001 6:10:00 PM
01090146-012G	K-010905		09/05/2001 6:10:00 PM
01090146-013A	F-010905		09/05/2001 6:50:00 PM
01090146-013B	F-010905		09/05/2001 6:50:00 PM
01090146-013C	F-010905		09/05/2001 6:50:00 PM
01090146-013D	F-010905		09/05/2001 6:50:00 PM
01090146-013E	F-010905		09/05/2001 6:50:00 PM
01090146-013F	F-010905		09/05/2001 6:50:00 PM
01090146-013G	F-010905		09/05/2001 6:50:00 PM
01090146-014A	TRIP BLANK		09/05/2001
01090146-015A	21-010905		09/05/2001 4:20:00 PM
01090146-015B	21-010905		09/05/2001 4:20:00 PM
01090146-015C	21-010905		09/05/2001 4:20:00 PM
01090146-015D	21-010905		09/05/2001 4:20:00 PM
01090146-015E	21-010905		09/05/2001 4:20:00 PM
01090146-015F	21-010905		09/05/2001 4:20:00 PM
01090146-015G	21-010905		09/05/2001 4:20:00 PM
01090146-016A	22-010905		09/05/2001 5:00:00 PM

Clayton GROUP SERVICES

CLIENT: CLAYTON GROUP SERVICES
Project: 15-00116.03/Millenium Petrochemical
Work Order: 01090146
Date Received: 09/07/2001

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
01090146-016B	22-010905		09/05/2001 5:00:00 PM
01090146-016C	22-010905		09/05/2001 5:00:00 PM
01090146-016D	22-010905		09/05/2001 5:00:00 PM
01090146-016E	22-010905		09/05/2001 5:00:00 PM
01090146-016F	22-010905		09/05/2001 5:00:00 PM
01090146-016G	22-010905		09/05/2001 5:00:00 PM
01090146-017A	TRIP BLANK		09/05/2001
01090146-018A	LAB BLANK		09/05/2001

APPENDIX J

APPENDIX J

PRECIPITATION DATA FROM ILLINOIS SWS STATION, CHAMPAIGN, ILLINOIS

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA JANUARY 1996
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP X	TEMP N	PRECIP (IN)	SNOW (IN)	DPTH	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
01/01/96	35	33	0.01	0.0	2	L,F	NE	8.7	CLDY	31	0*
01/02/96	34	21	0.37	5.7*	T	S,SW-,BS	NE	14.9	CLDY	37	0
01/03/96	25	4	0.00	0.0	6		N	5.3	CLR	50	0
01/04/96	21	3	0.24	3.6	6	SW-,S	SE	4.6	CLDY	53	0
01/05/96	21	9	0.00	0.0	8	SW-	NE	5.0	CLDY	50	0
01/06/96	18	8	0.07	1.4	6	SW-,S	N	7.3	CLDY	52	0
01/07/96	20	8	0.00	0.0	7	SW-,S,BS	N	11.8	PC	51	0
01/08/96	21	-2	0.00	0.0	7		SW	9.8	CLR	55	0
01/09/96	35	20	0.00	0.0	7		NW	9.5	CLR	37	0
01/10/96	26	12	0.00	0.0	6		SE	4.0	PC	46	0
01/11/96	28	22	0.22	3.4	7	S,SW-	SE	7.4	CLDY	40	0
01/12/96	28	20	0.00	0.0	9*	SW-	SW	6.7	CLDY	41	0
01/13/96	38	16	0.00	0.0	7	F	S	4.6	PC	38	0
01/14/96	46	27	0.00	0.0	6		SW	6.8	CLR	28	0
01/15/96	33	19	0.00	0.0	6		NE	7.6	CLDY	39	0
01/16/96	42	22	0.00	0.0	6	ZL,L,F	S	9.0	CLDY	33	0
01/17/96	56	37	0.02	0.0	3	L,F	SE	8.7	CLDY	18	0
01/18/96	59*	4	0.48*	0.0	0	R,L,ZL,SW-,IP	W	20.1	CLDY	33	0
01/19/96	11	-1	0.00	0.0	T		W	11.5	PC	60	0
01/20/96	22	9	0.02	0.3	T	SW-	SE	5.2	PC	49	0
01/21/96	32	10	0.00	0.0	T	F	S	6.6	CLDY	44	0
01/22/96	37	27	0.01	0.0	T	R,L	S	12.3	CLDY	33	0
01/23/96	43	27	0.38	0.0	0	R,L,R-,F	SE	7.9	CLDY	30	0
01/24/96	27	12	0.01	0.1	T	SW-	W	9.5	CLDY	45	0
01/25/96	35	9	0.00	0.0	T		SE	9.2	CLDY	43	0
01/26/96	42	18	0.16	0.0	T	R,RW,L,SW-,ZL	SE	13.9	CLDY	35	0
01/27/96	26	13	0.00	0.0	T	SW-	W	17.3	PC	45	0
01/28/96	32	12	0.00	0.0	0		SE	9.4	CLDY	43	0
01/29/96	37	9	0.00	0.0	0		W	12.5	CLDY	42	0
01/30/96	10	-3	0.05	1.5	0	S	N	9.0	CLDY	61	0
01/31/96	4	-9*	0.00	0.0	1		W	5.4	CLR	68*	0
TOT/AVE	30.5	13.4	2.04	16.0			SE	9.1		1,330	0
DEP	-1.2	-2.6	+0.21	+7.9			W	+0.8		+47	+0

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0
TOTAL	0	17	29	4	18	13	6	0	0	5
DEP	0	+1	+0	+0	-	+4	+1	-1	+0	+2

	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	5	6	20	6	0	1	0	4	7	13	3	0	0	2
DEP	-3	-3	+6	+2	-1	-	+0	-1	+4	+3	+1	-	-	-

SEASONAL HEAT DEGREE DAYS	SEASONAL COOL DEGREE DAYS	JAN- JAN PRECIPITATION
3816	0	2.04
+281	+0	+0.21

WEATHER TYPES: F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow;RW=Rain Showers;SW=Snow Showers;L=Drizzle; T=Trace;L=Drizzle;Intensities:+ heavy; - light;no symbol indicates moderate. Degree days:Heat and Cool base 65F;Corn growing base 50F.Averages 1961-1990. Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST.Other data mid-mid. Heat DD season Jul-Jun;Cool season Jan-Dec.

* Denotes highest or lowest values for the month

REMARKS: 59F on 18th tied rec high.Jan 18-19, 60 degree drop from 59F to -1F, in 20 hours, 2nd largest temp drop from one date to next in C-U.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA FEBRUARY 1996
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP X	TEMP N	PRECIP (IN)	SNOW (IN)	SNOW DPTH	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
02/01/96	15	-2	0.00	0.0	1		W	6.3	PC	58	0
02/02/96	0	-11	0.00	0.0	1		N	8.5	CLR	71	0
02/03/96	1	-17	0.00	0.0	1		NW	6.9	CLR	73	0
02/04/96	5	-14	0.00	0.0	1		W	6.5	CLR	70	0
02/05/96	27	-2	0.00	0.0	1		SW	8.7	PC	52	0
02/06/96	35	6	0.00	0.0	T		S	7.8	PC	44	0
02/07/96	41	28	0.00	0.0	0	L,F	S	13.3	CLDY	30	0
02/08/96	54	34	0.01	0.0	0	L	W	10.1	CLDY	21	0
02/09/96	52	30	0.00	0.0	0		W	6.5	CLR	24	0
02/10/96	60	35	0.00	0.0	0		W	12.9	PC	17	0
02/11/96	38	30	0.03	0.5	0	S,SW	NW	11.7	CLDY	31	0
02/12/96	28	25	0.02	0.2	1	S,SW	NW	6.3	CLDY	38	0
02/13/96	39	22	0.00	0.0	1		S	10.2	CLDY	34	0
02/14/96	36	29	0.00	0.0	0	S	NW	6.1	CLDY	32	0
02/15/96	30	22	0.05	1.0	T	S	W	5.8	CLDY	39	0
02/16/96	27	14	0.00	0.0	1		N	8.5	PC	44	0
02/17/96	34	16	0.02	0.2	T	S	N	11.1	CLDY	40	0
02/18/96	33	10	0.00	0.0	0		SSE	5.6	CLDY	43	0
02/19/96	50	26	0.00	0.0	0		SE	5.6	CLR	27	0
02/20/96	56	35	0.00	0.0	0	L,F	S	7.8	PC	19	0
02/21/96	39	33	0.02	0.0	0	L,F	NE	7.3	CLDY	29	0
02/22/96	49	36	0.02	0.0	0	L,F	NE	5.7	CLDY	22	0
02/23/96	64	39	0.00	0.0	0	F	W	12.6	CLDY	13	0
02/24/96	61	31	0.00	0.0	0		SW	9.0	CLR	19	0
02/25/96	65	35	0.00	0.0	0		S	7.0	CLDY	15	0
02/26/96	71	47	0.91	0.0	0	TRW,R	S	5.4	CLDY	6	0
02/27/96	64	27	0.35	0.0	0	TRW,R	NW	9.4	CLDY	19	0
02/28/96	27	14	0.00	0.0	T	SW-	NW	11.9	CLDY	44	0
02/29/96	24	13	0.00	0.0	T	SW-	W	6.6	PC	46	0
TOT/AVE	38.8	20.4	1.43	1.9			W	8.3		1,020	0
DEP	+2.5	+0.1	-0.54	-5.1			S	+0.3		-19	+0

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0
TOTAL	0	16	21	5	14	9	2	1	0	1
DEP	0	+5	-3	+3	-	+0	-2	+0	+0	-1

	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	6	7	16	4	2	0	0	2	5	7	0	0	0	0
DEP	-2	+0	+3	+0	+2	-	+0	-3	+2	-2	-1	-	-	-

SEASONAL HEAT DEGREE DAYS	SEASONAL COOL DEGREE DAYS	JAN- FEB PRECIPITATION
4836	0	3.47
+259	+0	-.033

WEATHER TYPES: F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow;RW=Rain Showers;SW=Snow Showers;L=Drizzle; T=Trace;L=Drizzle;Intensities:+ heavy; - light;no symbol indicates moderate.
Degree days:Heat and Cool base 65F;Corn growing base 50F.Averages 1961-1990.
Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST.Other data mid-mid.
Heat DD season Jul-Jun;Cool season Jan-Dec.
* Denotes highest or lowest values for the month

REMARKS: New rec high on 23rd (old rec 63/1943), new rec high on 26th (old rec 64/1932). High on 26th also ties highest max temp ever in Feb, first set on 2/29/1972. high temps on 2,3,4 were new low max temps, new rec min on 3rd (old rec -14/1902), tied rec low on 4th. Peak gust 36.7 mph, from the west on 23rd.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA MARCH 1996
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
03/01/96	40	15		T		T	0	S-	SW	11.3	PC	37	0
03/02/96	33	12		T		T	0	S-	W	11.9	PC	42	0
03/03/96	28	6	.00		.0		0		SW	6.6	CLR	48	0
03/04/96	48	16	.00		.0		0		SE	9.6	CLDY	33	0
03/05/96	52	32	0.68		.0		0	TRW,R	NE	10.1	CLDY	23	0
03/06/96	32	14	0.05		0.2		0	ZL,SW-,F	N	13.1	CLDY	42	0
03/07/96	19	8		T		T	T	SW-	NW	10.8	PC	51	0
03/08/96	15	2*	.00		.0		T		W	11.0	PC	56*	0
03/09/96	28	10	.00		.0		0		W	4.1	CLR	46	0
03/10/96	40	15	.00		.0		0		SSE	6.3	PC	37	0
03/11/96	48	26	.00		.0		0		SE	5.6	CLR	28	0
03/12/96	54	27	.00		.0		0		SE	5.7	CLR	24	0
03/13/96	59	30		T	.0		0	RW-	SSE	5.2	CLDY	20	0
03/14/96	70*	33	.00		.0		0	F	SW	4.1	CLDY	13	0
03/15/96	58	34	.00		.0		0	F	N	7.8	CLR	19	0
03/16/96	53	28	.00		.0		0		NE	4.7	PC	24	0
03/17/96	51	28	0.01		.0		0	R-,L	NNE	4.9	CLDY	25	0
03/18/96	52	26	.00		.0		0	F	N	4.7	PC	26	0
03/19/96	37	31	0.15		1.5*		0	S,ZL	NNW	13.7	CLDY	31	0
03/20/96	37	27		T		T	2*	SW-	N	14.4	CLDY	33	0
03/21/96	38	24	.00		.0		T		NW	7.7	PC	34	0
03/22/96	47	23	.00		.0		T		NW	6.0	CLR	30	0
03/23/96	52	22	0.02		.0		0	RW-,L	SSE	7.3	PC	28	0
03/24/96	60	36	0.12		.0		0	TRW	S	15.7	CLDY	17	0
03/25/96	53	18	0.01			T	0	RW-,SW-	W	19.6	CLDY	29	0
03/26/96	33	15	.00		.0		0		W	8.3	CLR	41	0
03/27/96	44	17	.00		.0		0		NE	5.0	PC	34	0
03/28/96	48	33	0.15		.0		0	R-,L	NE	7.9	CLDY	24	0
03/29/96	54	36		T	.0		0	L	E	4.8	CLDY	20	0
03/30/96	56	44	.00		.0		0		SE	4.6	CLDY	15	0
03/31/96	47	33	1.00*		.0		0	TRW-,R,L	N	12.3	CLDY	25	0
TOT/AVE	44.7	23.3	2.19		1.7				N	8.5		955	0
DEP	-4.1	-7.8	-1.11		-2.4				S	-0.1		+170	-1

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	5	24	0	15	9	5	2	1
DEP	+0	+2	+6	+0	-	-3	-2	+0	+0

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	1	7	10	14	4	3	0	0	8	5	7	2	0	0	0
DEP	+0	+0	+1	-1	+0	+0	-	-1	-2	+1	+1	+1	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	JAN- MAR PRECITITATION
TOTAL	5791	0	5.66
DEP	+429	-1	-1.44

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: Rec low mean temp on 8th, old rec 10/1943. Tied 4th lowest ave. mon. mean temp, rec 18.0/1960. Seasonal total HDD through the end of Mar, 11th highest total for that same period. Peak gust 41.1 mph, from the west, on the 25th.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA APRIL 1996
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C	DEGREE DAYS CORN
04/01/96	49	31	.00		.0	0			N	8.9	PC	25	0*	0
04/02/96	59	29	.00		.0	0			S	11.7	CLR	21	0	5
04/03/96	74	42	.00		.0	0			S	15.2	CLR	7	0	12
04/04/96	55	32	0.02		.0	0		L	NW	10.9	CLDY	21	0	3
04/05/96	45	28		T	.0	0		L	N	7.3	PC	28	0	0
04/06/96	44	27		T		T*	0	SW-	N	7.4	PC	29*	0	0
04/07/96	45	26		T		T*	0	SW-	NE	4.7	CLDY	29*	0	0
04/08/96	47	24*	.00		.0	0			NE	5.5	PC	29	0	0
04/09/96	51	24*	.00		.0	0			N	6.0	PC	27	0	1
04/10/96	63	26	.00		.0	0			W	6.4	PC	20	0	7
04/11/96	76	36	.00		.0	0			S	15.1	PC	9	0	13
04/12/96	77*	50	.00		.0	0			SW	16.4	CLDY	1	0	*14
04/13/96	53	31	0.03		.0	0		R-,L	NW	7.7	CLDY	23	0	2
04/14/96	59	31		T	.0	0		L	E	7.3	CLDY	20	0	5
04/15/96	52	34	0.30		.0	0		TRW,R,R-,L,F	W	8.6	CLDY	22	0	1
04/16/96	52	32	.00		.0	0			NW	7.1	PC	23	0	1
04/17/96	69	30	.00		.0	0			SE	8.0	CLR	15	0	10
04/18/96	73	41	0.08		.0	0		TRW	S	16.0	CLDY	8	0	12
04/19/96	77*	49	0.45		.0	0		TRW+,A,F	S	11.0	CLDY	2	0	*14
04/20/96	62	44	.00		.0	0			W	11.9	PC	12	0	6
04/21/96	68	36	0.25		.0	0		TRW+	SE	4.3	CLDY	13	0	9
04/22/96	61	48	0.98		.0	0		TRW+,R,R-,L	N	7.1	CLDY	10	0	6
04/23/96	54	39	.00		.0	0			N	9.2	CLDY	18	0	2
04/24/96	63	40		T	.0	0		R-	S	11.8	CLDY	13	0	7
04/25/96	71	51	0.08		.0	0		R	SW	15.3	CLDY	4	0	11
04/26/96	51	35		T	.0	0		R-	NW	9.0	CLDY	22	0	1
04/27/96	62	32	.00		.0	0			W	7.3	CLDY	18	0	6
04/28/96	54	48	1.21*		.0	0		TRW,R,R-	E	5.1	CLDY	14	0	2
04/29/96	58	37	0.18		.0	0		R,R-,L	W	11.1	CLDY	17	0	4
04/30/96	58	37		T	.0	0		L	W	14.7	PC	17	0	4
TOT/AVE	59.4	35.7	3.58		0.0				S	9.6		517	0	158
DEP	-3.0	-5.7	-0.36		-1.0				S	+1.1		+106	-10	-48

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	0	14	0	17	10	6	2	1
DEP	+0	+0	+9	+0	-	-2	-2	+0	+0

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	3	10	17	2	6	0	1	11	8	2	0	0	0	0
DEP	+0	-5	+1	+4	-1	+1	-	+0	-2	+4	+0	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	SEASONAL CORN GDD	JAN- APR PRECITITATION
TOTAL	6308	0	255	9.24
DEP	+535	-11	-41	-1.80

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: F3 tornado in SE Urbana, 4/19/96. Hail on 19th was 1/4" - 1/2". 4th coldest ave mon min temp (rec 33.2F, 1907). 9th coldest ave mon mean temp of 47.6F (rec is 42.5F, 1907). 10th highest monthly total HDD (rec 669, 1907). 16th highest seasonal total (with 2 months left in current season). Rec is 6893, 1903-1904. Highest number of days with min <=32F since 1961. Peak gust

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA JUNE 1996
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C	DEGREE DAYS CORN
06/01/96	71	57	0.50		0.0		0	R,R-	SE	8.5	CLDY	1	0	14
06/02/96	79	57	0.35		0.0		0	TRW,R	W	7.2	PC	0	3	18
06/03/96	68	55	0.02		0.0		0	R	W	6.7	PC	3	0	12
06/04/96	65	47		T	0.0		0	R-,L	W	6.5	CLDY	9	0	8
06/05/96	77	46*	.00		0.0		0		S	5.5	CLR	3	0	14
06/06/96	75	64	0.20		0.0		0	R,R-,L,F	S	7.1	CLDY	0	5	20
06/07/96	73	56	.00		0.0		0		W	7.4	CLDY	0	0	15
06/08/96	70	54	0.17		0.0		0	RW,R,F	N	4.2	CLDY	3	0	12
06/09/96	71	57	0.32		0.0		0	TRW,RW,R,F	N	6.9	CLDY	1	0	14
06/10/96	67	58	0.50		0.0		0	TRW,F	SE	5.0	CLDY	2	0	13
06/11/96	76	58		T	0.0		0	L,F	W	3.4	CLDY	0	2	17
06/12/96	81	56	.00		0.0		0	F	NW	1.8	PC	0	4	19
06/13/96	86	61	.00		0.0		0	F	SW	3.2	PC	0	9	24
06/14/96	91	66	.00		0.0		0		W	4.1	CLDY	0	14	26
06/15/96	89	64	.00		0.0		0		NE	2.6	CLR	0	12	25
06/16/96	90	64	2.39*		0.0		0	TRW+,TRW,R,L	SE	3.7	PC	0	12	25
06/17/96	89	69	0.11		0.0		0	TRW,F	S	7.9	CLDY	0	14	28
06/18/96	83	66	.00		0.0		0		SW	6.0	CLDY	0	10	25
06/19/96	85	64	.00		0.0		0		W	3.7	PC	0	10	25
06/20/96	88	69	.00		0.0		0		N	2.8	PC	0	14	28
06/21/96	90	69	.00		0.0		0		SW	5.8	CLDY	0	15	28
06/22/96	89	69	0.14		0.0		0	TRW+	NW	4.6	CLDY	0	14	28
06/23/96	91	65	0.91		0.0		0	TRW+,R,L	SE	3.6	CLDY	0	13	26
06/24/96	84	60	0.04		0.0		0	RW	W	6.0	PC	0	7	22
06/25/96	77	57	.00		0.0		0		NE	4.1	CLR	0	2	17
06/26/96	83	56	.00		0.0		0		ESE	2.6	CLR	0	5	20
06/27/96	89	60	.00		0.0		0		SE	1.9	CLR	0	10	23
06/28/96	92	62	.00		0.0		0	H	SW	3.0	CLR	0	12	24
06/29/96	92	67	.00		0.0		0	H	SW	6.5	CLR	0	15	27
06/30/96	94*	73	.00		0.0		0	H	NW	4.4	CLR	0	19*	30*
TOT/AVE	81.8	60.9	5.65		0.0				W	4.9		22	221	627
DEP	-1.1	+0.1	+1.58		+0.0				SW	-1.1		+6	+7	-1

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	7	0	0	0	14	12	10	4	1
DEP	+1	+0	+0	+0	-	+3	+4	+1	-1

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	8	8	14	8	7	0	0	13	5	0	0	0	3	0
DEP	+0	+0	-4	+4	+6	+1	-	-1	+2	+4	+0	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	SEASONAL CORN GDD	JAN- JUN PRECITITATION
TOTAL	6527	288	1263	23.15
DEP	+588	-8	-84	+4.07

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: Seasonal total heating degree days is the 6th highest total in Champaign-Urbana. Record highest is 6893, set in 1903-1904. Peak gust was 28.1 mph, from the west, on the 23rd.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA JULY 1996
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C	DEGREE DAYS CORN
07/01/96	89	68	.00		0.0		0		N	3.5	PC	0	14	27
07/02/96	91	63	.00		0.0		0		NE	5.9	PC	0	12	25
07/03/96	80	57	.00		0.0		0		N	5.4	CLR	0	4	19
07/04/96	80	52*	.00		0.0		0		NE	2.6	PC	0	1	16
07/05/96	85	55	.00		0.0		0		SSE	1.9	CLR	0	5	20
07/06/96	88	60		T	0.0		0	L	S	3.3	CLR	0	9	23
07/07/96	92	68	.00		0.0		0		NNW	3.4	PC	0	15	27
07/08/96	87	63		T	0.0		0	L	NW	4.8	PC	0	10	25
07/09/96	78	56	0.02		0.0		0	RW-	NW	4.6	PC	0	2	17
07/10/96	78	52*	.00		0.0		0		N	2.3	CLR	0	0	15
07/11/96	83	55	.00		0.0		0		SE	3.0	CLR	0	4	19
07/12/96	85	56	.00		0.0		0		SW	3.9	PC	0	6	21
07/13/96	85	65	.00		0.0		0		W	5.2	PC	0	10	25
07/14/96	78	62	0.36		0.0		0	TRW,R,L	NNW	2.6	CLDY	0	5	20
07/15/96	83	61	.00		0.0		0	F	W	6.5	PC	0	7	22
07/16/96	87	68	0.06		0.0		0	RW	W	5.8	PC	0	13	27
07/17/96	91	66	.00		0.0		0		S	7.4	CLDY	0	14	26
07/18/96	95*	77	.00		0.0		0		SW	9.9	CLDY	0	21*	32*
07/19/96	92	62	.00		0.0		0		W	8.1	CLDY	0	12	24
07/20/96	80	62	.00		0.0		0		NE	3.5	CLDY	0	6	21
07/21/96	66	58	1.62*		0.0		0	TRW+,TRW,R,L	E	4.2	CLDY	3*	0	12
07/22/96	76	58	.00		0.0		0		N	3.4	PC	0	2	17
07/23/96	82	62	0.14		0.0		0	R,L,F	W	5.2	CLDY	0	7	22
07/24/96	85	63	0.34		0.0		0	TRW,RW,R,L	SW	5.5	CLDY	0	9	24
07/25/96	78	59	.00		0.0		0		W	4.6	PC	0	4	19
07/26/96	82	58	.00		0.0		0		NW	3.0	PC	0	5	20
07/27/96	82	63		T	0.0		0	R-,L	SW	2.8	CLDY	0	8	23
07/28/96	82	64	0.66		0.0		0	TRW+	S	3.6	CLDY	0	8	23
07/29/96	81	65	.00		0.0		0	F	W	5.0	CLDY	0	8	23
07/30/96	79	62	0.12		0.0		0	TRW	NW	4.6	CLDY	0	6	21
07/31/96	79	56	0.04		0.0		0	RW-	W	4.5	CLR	0	3	18
TOT/AVE	83.2	61.2	3.36		0.0				W	4.5		3	230	673
DEP	-2.1	-3.6	-1.12		+0.0				SW	-0.4		+1	-75	-65

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	5	0	0	0	12	9	6	2	1
DEP	+1	+0	+0	+0	-	+0	-1	-1	+0

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	6	13	12	3	5	0	0	10	7	0	0	0	0	0
DEP	+0	-4	+0	+4	-1	-2	-	+0	-1	+6	+0	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	SEASONAL CORN GDD	JAN- JUL PRECITITATION
TOTAL	3	518	1936	26.51
DEP	+1	-83	-149	+2.95

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: new rec low max temp on 21st (old rec 70/1958).6th lowest mean temp of 72.2 (rec is 71.0/1909), tied 7th lowest min temp (rec 55.9/1891), and tied 11th lowest max temp (rec 80.1/1909,1915). Peak gust 22.7mph, from the west, on the 18th.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA AUGUST 1996
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C	DEGREE DAYS CORN
08/01/96	78	60	.00		0.0		0		W	2.2	CLR	0*	4	19
08/02/96	81	60		T	0.0		0	RW-,F	NE	2.0	PC	0	6	21
08/03/96	83	62	.00		0.0		0	F	SE	2.2	CLR	0	8	23
08/04/96	84	63	.00		0.0		0	H	SE	3.5	PC	0	9	24
08/05/96	91	68	.00		0.0		0	F	S	6.5	PC	0	15	27
08/06/96	92	70	.00		0.0		0	F	S	5.0	CLR	0	16	28
08/07/96	94*	70		T	0.0		0	TRW-,F	SW	4.3	PC	0	17*	28
08/08/96	85	67	.00		0.0		0		N	5.0	CLR	0	11	26
08/09/96	82	59	.00		0.0		0		N	3.0	CLR	0	6	21
08/10/96	81	57*	.00		0.0		0		SE	1.9	CLDY	0	4	19
08/11/96	77	64	.00		0.0		0		NE	3.7	CLDY	0	6	21
08/12/96	83	63	.00		0.0		0		N	4.0	PC	0	8	23
08/13/96	85	62	.00		0.0		0		W	2.9	CLR	0	9	24
08/14/96	87	59	.00		0.0		0	F	SW	5.3	CLR	0	8	23
08/15/96	83	63	.00		0.0		0	F	W	4.3	CLR	0	8	23
08/16/96	81	56	.00		0.0		0		NE	1.8	PC	0	4	19
08/17/96	73	64	0.53*		0.0		0	TRW,R,L	E	2.3	CLDY	0	4	19
08/18/96	79	66	0.40		0.0		0	TRW+,R,R-,L,F	SE	3.0	CLDY	0	8	23
08/19/96	88	65	.00		0.0		0	F	S	5.0	CLR	0	12	26
08/20/96	89	72	.00		0.0		0	F	SW	4.6	CLR	0	16	29*
08/21/96	90	69	.00		0.0		0	F	SW	2.7	CLR	0	15	28
08/22/96	89	70	.00		0.0		0	F	SW	4.6	CLR	0	15	28
08/23/96	85	65	0.16		0.0		0	TRW,RW	NE	3.8	CLDY	0	10	25
08/24/96	83	61	.00		0.0		0		NE	3.3	CLR	0	7	22
08/25/96	83	61	.00		0.0		0		SSE	2.1	CLR	0	7	22
08/26/96	84	62	0.25		0.0		0	TRW,RW	SE	1.7	PC	0	8	23
08/27/96	82	65	0.08		0.0		0	TRW,RW,R-,L	NE	3.7	CLDY	0	9	24
08/28/96	81	62	.00		0.0		0	F	N	3.3	CLR	0	7	22
08/29/96	81	61	.00		0.0		0		N	3.1	CLR	0	6	21
08/30/96	81	60	.00		0.0		0	F	NE	2.1	CLR	0	6	21
08/31/96	84	63	.00		0.0		0	F	ESE	2.4	CLR	0	9	24
TOT/AVE	83.8	63.5	1.42		0.0				NE	3.4		0	278	726
DEP	+0.8	+1.1	-2.60		+0.0				SW	-1.3		-7	+40	+47

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	4	0	0	0	7	5	4	1	0
DEP	+0	+0	+0	+0	-	-4	-2	-2	-1

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	18	7	6	15	6	0	0	7	3	0	0	0	1	0
DEP	+0	+8	-5	-3	+9	+0	-	+0	-4	+2	+0	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	SEASONAL CORN GDD	JAN- AUG PRECITITATION
TOTAL	3	796	2662	27.93
DEP	-6	-43	-102	+0.35

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F.
Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: Tied ninth driest Aug in C-U (1986). Peak gust was 18.4 mph, from the south, on the 5th.
Summer (J,J,A) Stats: mean temp 72.4F (-1.0F), total precip 10.43 inches (-2.14 inches), number days max temp greater than or equal to 90F

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA SEPTEMBER 1996
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C	DEGREE DAYS CORN
09/01/96	84	62	.00		0.0	0			NE	1.9	CLR	0	8	23
09/02/96	85	62	.00		0.0	0			NE	2.1	PC	0	9	24
09/03/96	84	65		T	0.0	0		R-,L-,F	E	1.1	CLDY	0	10	25
09/04/96	85	63	.00		0.0	0			NE	2.8	CLR	0	9	24
09/05/96	85	67	.00		0.0	0		F	NE	3.9	PC	0	11	26
09/06/96	86*	67		T	0.0	0		R-,L-,F	NE	3.4	CLDY	0	12*	27*
09/07/96	79	66	1.73*		0.0	0		TRW+,RW,H	SW	1.8	CLDY	0	8	23
09/08/96	83	63	0.17		0.0	0		TRW,RW,H	S	2.3	CLDY	0	8	23
09/09/96	79	64	.00		0.0	0		F	NW	3.0	PC	0	7	22
09/10/96	82	60	.00		0.0	0		F	N	1.7	CLR	0	6	21
09/11/96	83	59		T	0.0	0		R-	W	4.6	PC	0	6	21
09/12/96	71	51	.00		0.0	0			NW	5.5	CLR	4	0	11
09/13/96	66	45	.00		0.0	0			NW	4.7	CLR	9	0	8
09/14/96	67	42*	.00		0.0	0			W	5.0	CLR	10*	0	9
09/15/96	70	45		T	0.0	0		R-	W	2.7	CLDY	7	0	10
09/16/96	66	52	0.18		0.0	0		R,L	NE	6.2	CLDY	6	0	9
09/17/96	72	51	.00		0.0	0			N	5.8	PC	3	0	12
09/18/96	74	49	.00		0.0	0			NE	3.4	CLR	3	0	12
09/19/96	75	47	.00		0.0	0		F	SE	1.9	CLR	4	0	13
09/20/96	70	50	0.07		0.0	0		R,R-,L	SE	3.7	CLDY	5	0	10
09/21/96	74	54	0.04		0.0	0		R,R-,L	W	2.7	CLDY	1	0	14
09/22/96	79	48	.00		0.0	0			W	5.7	CLR	1	0	15
09/23/96	65	52	0.03		0.0	0		TRW-	SE	2.1	PC	6	0	9
09/24/96	73	52	.00		0.0	0			NW	3.9	CLR	2	0	13
09/25/96	70	47		T	0.0	0		R-,L-	SE	3.6	CLDY	6	0	10
09/26/96	70	55	0.72		0.0	0		R,RW,R-,L-	SE	9.0	CLDY	2	0	13
09/27/96	64	49	0.46		0.0	0		R,L	W	6.4	CLDY	8	0	7
09/28/96	66	43	.00		0.0	0			W	5.9	CLR	10*	0	8
09/29/96	75	43	.00		0.0	0			SW	4.2	CLR	6	0	13
09/30/96	76	45	.00		0.0	0			SE	3.2	CLR	4	0	13
TOT/AVE	75.3	53.9	3.40		0.0				NE	3.8		97	94	468
DEP	-2.4	-1.3	+0.04		+0.0				SW	-1.3		+16	-23	-32

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	0	0	0	13	8	5	2	1
DEP	-2	+0	+0	+0	-	-1	+0	+0	+2

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	6	13	11	8	3	0	0	13	8	0	0	0	2	0
DEP	+0	-5	+4	+1	+3	-1	-	+0	+3	+5	+0	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	SEASONAL CORN GDD	JAN- SEP PRECITITATION
TOTAL	100	890	3130	31.33
DEP	+10	-66	-134	+0.39

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: No temperature or precipitation records set this month.
Peak gust was 29.3 mph from the south on the 26th.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA OCTOBER 1996
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
10/01/96	78	46	.00		0.0	0		F	S	5.9	CLR	3	0
10/02/96	77	47	.00		0.0	0		F	SW	7.2	PC	3	0
10/03/96	58	40	.00		0.0	0			NE	5.2	CLR	16	0
10/04/96	64	38	.00		0.0	0			E	2.9	PC	14	0
10/05/96	74	42	.00		0.0	0			SE	3.4	PC	7	0
10/06/96	76	45	.00		0.0	0			S	3.7	CLR	4	0
10/07/96	76	44	.00		0.0	0			N	4.2	PC	5	0
10/08/96	50	42	0.16		0.0	0		R,R-,L	N	4.5	CLDY	19	0
10/09/96	62	35		T	0.0	0		R-,L	W	3.3	CLDY	16	0
10/10/96	53	36		T	0.0	0		L	N	4.6	PC	20	0
10/11/96	61	31	.00		0.0	0		F	S	4.6	CLR	19	0
10/12/96	74	45	.00		0.0	0			S	8.2	PC	5	0
10/13/96	81*	52	.00		0.0	0			SW	7.4	PC	0	2*
10/14/96	81*	53	.00		0.0	0			NE	1.9	CLR	0	2*
10/15/96	79	49	.00		0.0	0		F	SW	5.2	CLR	1	0
10/16/96	76	50	.00		0.0	0		F	S	4.8	PC	2	0
10/17/96	78	45	0.41		0.0	0		TRW+,TRW,R,L	S	9.5	PC	3	0
10/18/96	58	34	.00		0.0	0			W	7.6	CLR	19	0
10/19/96	59	31	.00		0.0	0			NW	2.2	CLR	20	0
10/20/96	63	32	.00		0.0	0			SE	3.0	PC	17	0
10/21/96	67	51	.00		0.0	0			SE	3.1	CLDY	6	0
10/22/96	62	40	0.58		0.0	0		R,R-,L	SE	8.3	CLDY	14	0
10/23/96	45	36	0.15		0.0	0		R,L,IP,R-	WSW	11.0	CLDY	24	0
10/24/96	64	36	.00		0.0	0			W	5.3	CLR	15	0
10/25/96	68	38	.00		0.0	0			SE	6.6	CLR	12	0
10/26/96	69	54	.00		0.0	0			SE	6.5	CLDY	3	0
10/27/96	68	53	0.01		0.0	0		L	SW	5.5	PC	4	0
10/28/96	61	46	.00		0.0	0			NW	3.1	PC	11	0
10/29/96	71	49	0.24		0.0	0		TRW,R,R-,L	SE	12.7	CLDY	5	0
10/30/96	58	32	.00		0.0	0			W	13.9	PC	20	0
10/31/96	48	27*	.00		0.0	0			W	7.4	PC	27*	0
TOT/AVE	66.4	41.9	1.55		0.0				SE	5.9		334	4
DEP	+1.3	-1.9	-1.13		-0.1				S	-0.2		-15	-12

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	0	5	0	8	6	5	1	0
DEP	+0	+0	+2	+0	-	-3	-1	-1	-1

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	10	14	7	5	2	1	0	6	8	0	0	0	0	0
DEP	+0	-2	+6	-4	-1	+0	-	+0	-4	+4	+0	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	JAN- OCT PRECITITATION
TOTAL	434	894	32.88
DEP	-5	-78	-0.74

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: No temp or precip records. First fall freeze (32F or lower) was Oct 11 (8 days early). 1996 growing season (last spring freeze to first fall freeze) was 166 days (-19 days), from Apr 27- Oct 11. Peak gust was 44.8 mph from the west on the 30th. Last time we had wind gust of 30 mph or greater

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA NOVEMBER 1996
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
11/01/96	43	27	.00		.0	0			W	5.7	CLR	30	0
11/02/96	31	22	.00		.0	0			NW	4.6	PC	38	0
11/03/96	48	20	.00		.0	0			WSW	5.6	CLR	31	0
11/04/96	51	28		T	.0	0		L	S	7.6	CLDY	25	0
11/05/96	62	44		T	.0	0		L	S	4.5	CLDY	12	0
11/06/96	68*	46	1.02*		.0	0		TRW,R,L	S	10.0	CLDY	8	0
11/07/96	58	36	0.95		.0	0		R,L,ZL	N	6.8	CLDY	18	0
11/08/96	43	31		T	.0	0		L,F	NW	6.7	CLDY	28	0
11/09/96	40	30		T		T	0	SW-	W	7.1	PC	30	0
11/10/96	33	26		T		T	0	SW-	NW	5.4	CLDY	35	0
11/11/96	34	25	.00		.0	0			NW	4.9	PC	35	0
11/12/96	31	18	.00		.0	0			NW	3.8	PC	40	0
11/13/96	31	24		T		T	0	SW-	NE	3.6	CLDY	37	0
11/14/96	38	19	.00		.0	0			NE	4.9	PC	36	0
11/15/96	43	26		T	.0	0		ZL	SE	9.2	CLDY	30	0
11/16/96	53	34	.00		.0	0		F	SE	11.3	PC	21	0
11/17/96	54	29	0.38		.0	0		R,L	S	10.9	CLDY	23	0
11/18/96	41	30	.00		.0	0			N	2.7	CLDY	29	0
11/19/96	37	30		T		T	0	IP,SW-	NE	4.0	CLDY	31	0
11/20/96	39	32		T	.0	0		IP,L	NE	4.5	CLDY	29	0
11/21/96	37	29	0.07			T	0	R-,ZL,IP,SW-	NE	7.1	CLDY	32	0
11/22/96	40	26	.00		.0	0			SE	4.6	PC	32	0
11/23/96	41	30		T	.0	0		L,F	S	6.0	CLDY	29	0
11/24/96	40	35	0.53		.0	0		R,L,F	N	6.6	CLDY	27	0
11/25/96	35	24	0.59		2.0*	0		R,L,ZL,ZR,IP,SW	N	7.1	CLDY	35	0
11/26/96	26	16	.00		.0	2			NW	4.6	PC	44*	0
11/27/96	28	14*	.00		.0	1			NW	2.8	CLR	44*	0
11/28/96	37	21	.00		.0	1			S	5.1	CLR	36	0
11/29/96	44	25	0.41		.0	T		R,R-,L	SE	6.5	CLDY	30	0
11/30/96	48	41	0.19		.0	0		R,L	W	5.5	CLDY	20	0
TOT/AVE	41.8	27.9	4.14		2.0				NW	6.0		895	0
DEP	-8.5	-5.9	+1.04		-0.2				SW	-1.5		+199	+0

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	5	24	0	18	8	7	4	1
DEP	+0	+4	+10	+0	-	-2	+1	+2	+0

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	1	4	8	18	4	1	4	0	8	12	6	4	0	0	0
DEP	+0	-3	+0	+3	+0	+0	-	+0	-1	+7	+2	+3	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	JAN- NOV PRECITITATION
TOTAL	1329	894	37.02
DEP	+194	-78	-0.30

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: Tied fourth coldest Nov on rec (coldest was 34.1F,1976).Record coldest ave. monthly max temp, 10th coldest ave mo. min temp (rec 24.7F,1967) Peak gust 29.0, from south, on 17th.
Fall (S,O,N) stats:mean temp 51.2F (-3.2F, tied 6th coldest fall). Precip was 9.09 inches (-0.04 inch), and snowfall was 2.0 inches (-0.1 inch)

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA DECEMBER 1996
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
12/01/96	41	22	0.24		1.0		1	R,SW	W	8.8	CLDY	33	0
12/02/96	42	23	.00		.0		1	F	SE	5.2	PC	32	0
12/03/96	40	24		T		T	0	SW-	W	12.0	CLDY	33	0
12/04/96	35	18	.00		.0.		0		SE	4.7	CLR	38	0
12/05/96	34	30	0.27		4.6*		4*	S,SW,L,ZL	SE	10.5	CLDY	33	0
12/06/96	39	27	.00		.0		3		SE	6.0	CLDY	32	0
12/07/96	45	28	.00		.0		2		W	5.2	CLDY	28	0
12/08/96	33	26		T		T	T	SW-	NW	9.5	CLDY	35	0
12/09/96	33	24	.00		.0		T		S	6.9	CLDY	36	0
12/10/96	56	31	.00		.0		T		S	5.3	PC	21	0
12/11/96	55	39	0.05		.0		0	L,F	N	4.8	CLDY	18	0
12/12/96	40	37		T	.0		0	L	NW	6.0	CLDY	26	0
12/13/96	45	28	.00		.0		0	F	SE	3.5	PC	28	0
12/14/96	46	33	.00		.0		0		SE	8.0	CLDY	25	0
12/15/96	44	30	0.28		.0		0	R,L	W	9.8	CLDY	28	0
12/16/96	31	29		T		T	0	SW-	N	4.1	CLDY	35	0
12/17/96	30	18	0.01		0.2		0	SW	W	8.3	CLDY	41	0
12/18/96	18	9		T		T	T	SW	W	10.0	CLDY	51	0
12/19/96	12	4*		T		T	T	SW-	W	11.3	PC	57*	0
12/20/96	19	7	.00		.0		T		S	7.7	PC	52	0
12/21/96	36	16		T	.0		T	L	S	13.8	CLDY	39	0
12/22/96	43	34		T	.0		0	L	SE	5.6	CLDY	26	0
12/23/96	58*	25	0.40*		.0		0	TRW,R,R-,L	S	14.0	CLDY	23	0
12/24/96	25	10	0.02		0.3		T	SW,F	W	13.1	CLDY	47	0
12/25/96	18	8		T		T	T	SW-	W	4.1	PC	52	0
12/26/96	31	16	0.12		1.3		T	SW	SE	3.9	CLDY	41	0
12/27/96	40	25		T	.0		1	L,F	SE	5.1	PC	32	0
12/28/96	48	40	.00		.0		T	F	SW	6.8	CLDY	21	0
12/29/96	42	30	.00		.0		0	F	NW	4.8	CLDY	29	0
12/30/96	37	28		T	.0		0	L,F	SE	4.0	CLDY	32	0
12/31/96	38	32	.00		.0		0	F	E	4.5	CLDY	30	0
TOT/AVE	37.2	24.2	1.39		7.4				W	7.3		1,054	0
DEP	+0.7	+2.2	-1.63		+1.4				S	-0.6		-63	+0

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	8	26	0	19	8	5	0	0
DEP	+0	-3	+0	-2	-	-3	-1	-2	-1

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	2	1	7	23	9	1	0	0	3	9	11	1	0	0	0
DEP	+0	-6	+0	+6	+3	+0	-	+0	-5	+6	+2	-2	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	JAN- DEC PRECITITATION
TOTAL	2383	894	38.41
DEP	+131	-78	-1.33

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: Tornado watch on 23rd. Peak wind gust was 35.9 mph, from the south, on the 23rd.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA JANUARY 1997
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
01/01/97	49	35	0.01		.0		0	L,F	SW	8.3	CLDY	23	0*
01/02/97	62	49		T	.0		0	L,F	SW	11.0	CLDY	9	0
01/03/97	56	47		T	.0		0	L,F	SW	5.1	CLDY	13	0
01/04/97	64*	40	0.21		.0		0	TRW+	S	14.4	CLDY	13	0
01/05/97	40	22		T		T	0	SW-	W	14.8	CLDY	34	0
01/06/97	24	12		T		T	0	SW-	W	8.6	CLDY	47	0
01/07/97	29	12	.00		.0		0		NW	4.6	PC	44	0
01/08/97	27	13		T		T	0	S,BS	NE	3.4	CLDY	45	0
01/09/97	25	20	0.34		4.6		2	SW,BS	W	8.6	CLDY	42	0
01/10/97	20	0	0.01		1.0		5	S,BS	W	17.2	CLDY	55	0
01/11/97	2	-4	.00		.0		6		W	10.9	PC	66	0
01/12/97	2	-8	.00		.0		6		W	6.9	CLR	68	0
01/13/97	8	-6	.00		.0		6		W	4.8	CLR	64	0
01/14/97	17	-4	.00		.0		6		SW	3.3	CLR	58	0
01/15/97	30	8	0.62*		5.3*		9	SW,IP,ZR-	SSE	9.7	CLDY	46	0
01/16/97	18	-3	.00		.0		12*		W	14.2	CLR	57	0
01/17/97	4	-12*	.00		.0		12		W	8.6	CLR	69*	0
01/18/97	11	-8	0.01		0.1		12	SW-	W	8.4	PC	63	0
01/19/97	26	11	.00		.0		12		S	6.2	CLDY	46	0
01/20/97	44	20	.00		.0		12		SW	4.4	CLR	33	0
01/21/97	43	25	0.26		.0		10	R-,L,F	SE	9.8	PC	31	0
01/22/97	47	27	0.25		.0		4	TRW,R,L,F	W	11.6	PC	28	0
01/23/97	28	20		T		T	2	SW-	E	5.1	CLDY	41	0
01/24/97	36	21	0.23			T	2	R,SW-	W	8.7	CLDY	36	0
01/25/97	21	6		T		T	2	SW-	W	12.1	CLDY	51	0
01/26/97	26	5	0.16		2.5		2	S	E	4.2	CLDY	49	0
01/27/97	32	3	0.40		2.0		3	ZR,IP,S	E	5.7	CLDY	47	0
01/28/97	8	-7	.00		.0		4		NW	5.0	CLR	64	0
01/29/97	22	-3	.00		.0		4		SE	3.1	PC	55	0
01/30/97	28	10	.00		.0		4		S	5.3	PC	46	0
01/31/97	42	28	.00		.0		3		SW	9.1	PC	30	0
TOT/AVE	28.7	12.2	2.50		15.5				W	8.2		1,373	0
DEP	-3.0	-4.7	+0.67		+7.4				W	-0.1		+90	+0

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	21	27	9	18	11	8	1	0
DEP	+0	+5	-2	+5	-	+2	+3	+0	+0

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	5	7	8	16	5	2	2	0	4	5	12	2	0	0	3
DEP	+2	-1	-1	+2	+1	+1	-	+0	-1	+2	+2	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	JAN- JAN PRECITITATION
TOTAL	3756	0	2.50
DEP	+221	+0	+0.67

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: 8th snowiest Jan in C-U (rec 28.3/1979). New rec max temps on 2nd (old rec 60/1950) and 4th (old rec 56/1922). Peak gust 33.3 mph from the west on the 5th. Jan 5-29 was 25th coldest 25-day period in C-U.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA FEBRUARY 1997
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
02/01/97	40	30		T	.0		2	L,R-,F	SE	2.3	CLDY	30	0
02/02/97	49	31	.00		.0		T		N	4.9	PC	25	0
02/03/97	35	30	0.40		.0		T	R,L	NE	6.5	CLDY	32	0
02/04/97	39	32	0.06			T	T	R,L,SW-,F	W	10.4	CLDY	29	0
02/05/97	36	28		T		T	T	SW-,	NW	7.7	CLDY	33	0
02/06/97	29	27		T		T	T	SW-,S	W	4.6	CLDY	37	0
02/07/97	29	25		T		T	T	SW-	NE	4.6	CLDY	38	0
02/08/97	34	28	.00		.0		T		N	5.9	CLDY	34	0
02/09/97	35	30		T		T	T	SW-	SW	2.1	CLDY	32	0
02/10/97	33	26	0.01		0.1		T	S-,SW-	W	4.7	CLDY	35	0
02/11/97	28	26		T		T	T	SW-	W	6.7	CLDY	38	0
02/12/97	29	19	.00		.0		T		NE	7.1	CLDY	41	0
02/13/97	31	16	.00		.0		0		E	4.0	CLDY	41	0
02/14/97	36	24		T		T	0	SW-	W	6.6	CLDY	35	0
02/15/97	30	16		T		T	T	S	NW	5.8	CLR	42*	0
02/16/97	35	15*	0.08		1.0*		T	S	NW	8.8	PC	40	0
02/17/97	46	18	.00		.0		T		S	13.0	CLR	33	0
02/18/97	61*	37	.00		.0		0		S	14.8	CLDY	16	0
02/19/97	50	29	0.04		.0		0	R,R-,L	W	7.7	CLDY	25	0
02/20/97	57	29	0.78		.0		0	RW+,R,L-,F	SE	5.4	CLDY	22	0
02/21/97	60	32	0.36		.0		0	R,R-,L,S	S	14.9	CLDY	19	0
02/22/97	36	30		T		T	0	SW-	NW	7.4	CLDY	32	0
02/23/97	41	26		T		T	0	SW-	NW	6.5	PC	31	0
02/24/97	35	22	.00		.0		0		NW	4.4	CLDY	36	0
02/25/97	42	18	.00		.0		0		SW	5.5	CLR	35	0
02/26/97	44	36	1.72*		.0		0	R,RW,RW-,L-	SE	5.6	CLDY	25	0
02/27/97	53	34	.00		.0		0		W	10.6	PC	21	0
02/28/97	56	30	0.06		.0		0	RW-	SE	5.1	CLR	22	0
TOT/AVE	40.3	26.6	3.51		1.1				W	6.9		879	0
DEP	+4.0	+6.3	+1.54		-5.9				S	-1.1		-163	+0

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	6	25	0	19	9	4	1	1
DEP	+0	-5	+1	-2	-	+0	+0	+0	+0

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	1	4	4	20	3	0	0	0	8	7	13	0	0	0	0
DEP	-1	-4	-3	+7	-1	+0	-	+0	+3	+4	+4	-2	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	JAN- FEB PRECITITATION
TOTAL	4635	0	6.01
DEP	+58	+0	+2.21

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: No temp or precip records set this month. Peak gust was 35.6mph, from the southwest, on the 27th. Winter Stats (D,J,F): mean temp 28.2F (-1.1), precip total 7.40 inches (+0.58), snowfall totaled 24.0 inches (+2.9 inches).

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA MARCH 1997
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
03/01/97	65	38	0.08		.0	0		R	SW	7.4	CLDY	13	0*
03/02/97	43	31	.00		.0	0			NW	7.6	PC	28	0
03/03/97	49	29	.00		.0	0			NE	7.0	PC	26	0
03/04/97	57	35	0.05		.0	0		R-,RW-	W	8.6	CLDY	19	0
03/05/97	37	29	0.08		T*	0		R-,RW-,SW-,IP-	N	9.9	CLDY	32	0
03/06/97	37	25	.00		.0	0			W	8.9	CLR	34	0
03/07/97	54	22	.00		.0	0			S	11.9	PC	27	0
03/08/97	54	35	.00		.0	0			E	5.5	CLR	20	0
03/09/97	53	32	0.86		.0	0		TRW+,R,R-,L-	SE	8.6	CLDY	22	0
03/10/97	55	29	.00		.0	0			SW	8.1	CLR	23	0
03/11/97	52	30	.00		.0	0			NE	6.7	PC	24	0
03/12/97	53	28	.00		.0	0			ENE	4.7	CLR	24	0
03/13/97	48	36	1.08*		.0	0		R,R-	E	5.3	CLDY	23	0
03/14/97	38	21	0.03		T*	0		R,R-,SW-	WNW	12.5	CLDY	35	0
03/15/97	30	15*		T	T*	T*		SW-	NW	6.9	CLR	42*	0
03/16/97	39	15*	.00		.0	0			S	7.3	CLR	38	0
03/17/97	54	36	.00		.0	0			SW	7.2	CLDY	20	0
03/18/97	46	34	0.04		.0	0		R,L-	NE	9.1	CLDY	25	0
03/19/97	51	29	.00		.0	0			NE	6.6	CLR	25	0
03/20/97	61	36	.00		.0	0			W	4.1	CLR	16	0
03/21/97	78*	39	.00		.0	0			SW	11.2	CLR	6	0
03/22/97	48	40	.00		.0	0			NW	7.8	CLDY	21	0
03/23/97	52	30	.00		.0	0			NE	6.9	PC	24	0
03/24/97	52	28	0.11		.0	0		TRW-	SE	8.5	CLDY	25	0
03/25/97	53	40	0.19		.0	0		R-,L-	W	10.5	CLDY	18	0
03/26/97	57	29	.00		.0	0			WSW	8.4	CLR	22	0
03/27/97	69	39	.00		.0	0			SW	10.5	CLR	11	0
03/28/97	73	47	0.33		.0	0		TRW,RW,RW-	S	10.8	PC	5	0
03/29/97	48	42	.00		.0	0			W	7.1	CLDY	20	0
03/30/97	50	38	0.03		.0	0		RW-	NW	5.6	CLDY	21	0
03/31/97	53	32	0.05		.0	0		RW	N	5.3	CLR	22	0
TOT/AVE	51.9	31.9	2.93		0.0T				W	8.0		711	0
DEP	+3.1	+0.8	-0.37		-4.1				S	-0.6		-74	-1

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	1	17	0	13	12	5	2	1
DEP	+0	-2	-1	+0	-	+0	-2	+0	+0

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	12	6	13	0	3	1	0	12	3	3	0	0	0	0
DEP	-1	+5	-3	+2	-4	+0	-	-1	+2	-1	-3	-1	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	JAN- MAR PRECITITATION
TOTAL	5346	0	8.94
DEP	-16	-1	+1.84

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: No temp or precip records set this month. Peak gust was 32.5mph, from the west, on the 14th.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA APRIL 1997
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C	DEGREE DAYS CORN
04/01/97	62	28	.00		.0		0		SE	4.4	CLR	20	0*	6
04/02/97	69	36	.00		.0		0		S	5.1	PC	12	0	10
04/03/97	74	43	.00		.0		0		WSW	5.3	PC	6	0	12
04/04/97	72	45	0.18		.0		0	R,R-	SE	10.3	CLDY	6	0	11
04/05/97	67	55	0.12		.0		0	R,R-	S	18.3	CLDY	4	0	11
04/06/97	59	34	.00		.0		0		W	20.5	PC	18	0	5
04/07/97	47	29	.00		.0		0		W	9.3	PC	27	0	0
04/08/97	41	23	.00		.0		0		NW	7.2	PC	33	0	0
04/09/97	42	19*	.00		.0		0		N	4.2	CLR	34*	0	0
04/10/97	46	28	0.06			T*	0	S-,SW-,R-,IP-,F	E	4.3	CLDY	28	0	0
04/11/97	61	34	0.20		.0		0	R,F	NE	7.1	CLDY	17	0	6
04/12/97	44	34	0.02		.0		0	R-,L-,F	W	9.9	CLDY	26	0	0
04/13/97	50	32	.00		.0		0		NW	6.3	PC	24	0	0
04/14/97	55	27	.00		.0		0		SW	3.8	CLR	24	0	3
04/15/97	66	32	.00		.0		0		SW	8.4	PC	16	0	8
04/16/97	55	32	0.02		.0		0	R-	NW	9.1	PC	21	0	3
04/17/97	50	32	.00		.0		0		NW	7.0	CLR	24	0	0
04/18/97	61	30	0.21*		.0		0	TRW-	W	4.5	PC	19	0	6
04/19/97	57	44	0.03		.0		0	RW-	NE	3.9	CLDY	14	0	4
04/20/97	62	38	0.03		.0		0	R-,L-,F	NE	3.7	CLDY	15	0	6
04/21/97	64	44	0.01		.0		0	R-	NE	4.8	PC	11	0	7
04/22/97	58	37	.00		.0		0		NE	8.7	CLR	17	0	4
04/23/97	58	37	.00		.0		0		N	7.4	PC	17	0	4
04/24/97	58	40		T	.0		0	RW-	N	6.0	PC	16	0	4
04/25/97	65	38	.00		.0		0		N	3.9	CLR	13	0	8
04/26/97	69	40	.00		.0		0		E	3.2	PC	10	0	10
04/27/97	55	42	0.13		.0		0	R-,RW-,L-	NE	4.6	CLDY	16	0	3
04/28/97	65	38	.00		.0		0	F	NE	2.8	CLR	13	0	8
04/29/97	72	40	.00		.0		0		S	5.5	CLR	9	0	11
04/30/97	77*	42	0.08		.0		0	TRW, RW	SE	16.8	CLDY	5	0	14*
TOT/AVE	59.4	35.8	1.09		T				NE	7.2		515	0	164
DEP	-3.0	-5.6	-2.85		-1.0				S	-1.2		+104	-10	-42

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	0	11	0	12	11	5	0	0
DEP	+0	+0	+6	+0	-	-1	-3	-2	-1

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	8	13	9	5	2	1	0	13	3	1	0	0	0	0
DEP	+0	+0	+4	-4	+2	-3	-	-1	+0	-1	-1	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	SEASONAL CORN GDD	JAN- APR PRECITITATION
TOTAL	5861	0	273	10.03
DEP	+88	-11	-23	-1.01

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: New record min temp on 9th (old rec was 22F/1914). 5th lowest ave mon min temp (re 33.2F/1907), and ties 10th lowest ave mon mean temp, first set in 1996 (rec 42.5F/1907). Peak gust was 48.1 mph, from the west, on the 30th.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA MAY 1997
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C	DEGREE DAYS CORN
05/01/97	64	41	0.00T	0.0*	0		0	L	W	8.7	CLDY	12	0	7
05/02/97	59	49	0.91	0.0	0		0	TRW+,R,RW-,F	SE	7.2	CLDY	11	0	5
05/03/97	56	44	1.15*	0.0	0		0	TRW+,R,RW-	NW	7.9	CLDY	15	0	3
05/04/97	65	41	0.00	0.0	0		0		W	7.1	CLR	12	0	8
05/05/97	71	46	0.07	0.0	0		0	TRW,RW-	SW	12.5	PC	6	0	11
05/06/97	69	47	0.00	0.0	0		0		NW	5.0	CLR	7	0	10
05/07/97	70	44	0.00	0.0	0		0		SE	6.1	CLDY	8	0	10
05/08/97	73	51	0.24	0.0	0		0	R,RW	W	9.2	PC	3	0	12
05/09/97	61	45	0.00	0.0	0		0		NW	10.0	PC	12	0	6
05/10/97	68	40	0.00	0.0	0		0		N	4.7	CLR	11	0	9
05/11/97	77	44	0.06	0.0	0		0	R-	SW	11.0	PC	4	0	14
05/12/97	64	46	0.00	0.0	0		0		W	9.8	CLR	10	0	7
05/13/97	60	44	0.13	0.0	0		0	R,R-	W	5.9	CLDY	13	0	5
05/14/97	67	44	0.08	0.0	0		0	R-	W	9.7	PC	9	0	9
05/15/97	57	38	0.00	0.0	0		0		NW	8.7	PC	17*	0	4
05/16/97	70	35*	0.01	0.0	0		0	R-	WSW	9.0	CLR	12	0	10
05/17/97	84	52	0.07	0.0	0		0	RW,R,R-	SW	6.1	PC	0	3	18
05/18/97	85*	51	0.08	0.0	0		0	TRW+,R,R-	SW	9.4	CLDY	0	3	18
05/19/97	73	49	0.39	0.0	0		0	TRW+,R,R-	NW	7.4	CLDY	4	0	12
05/20/97	66	44	0.00	0.0	0		0		NNW	5.1	CLR	10	0	8
05/21/97	63	43	0.00	0.0	0		0		NE	5.5	CLR	12	0	7
05/22/97	69	37	0.00	0.0	0		0		NE	3.0	CLR	12	0	10
05/23/97	76	44	0.00	0.0	0		0		SE	4.1	PC	5	0	13
05/24/97	83	54	0.15	0.0	0		0	TRW,RW,R-	SE	5.5	CLDY	0	4*	19*
05/25/97	71	57	0.21	0.0	0		0	RW+,R,R-,F	NE	6.7	CLDY	1	0	14
05/26/97	57	49	0.56	0.0	0		0	R,R-,RW	NE	7.1	CLDY	12	0	4
05/27/97	69	48	0.07	0.0	0		0	R-	NE	6.2	CLDY	6	0	10
05/28/97	63	53	0.13	0.0	0		0	TRW-,R-,L-,F	SE	4.4	CLDY	7	0	8
05/29/97	63	52	0.00T	0.0	0		0	R-	W	6.3	CLDY	7	0	8
05/30/97	61	52	0.38	0.0	0		0	R,R-,F	SW	2.8	CLDY	8	0	7
05/31/97	69	56	0.00	0.0	0		0	F	NE	7.0	CLDY	2	0	13
TOT/AVE	67.8	46.5	4.69	0.0					W	7.1		248	10	299
DEP	-5.9	-5.2	+0.72	+0.0					S	+0.2		+98	-61	-124

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	0	0	0	19	17	10	3	1
DEP	-1	+0	+0	+0	-	+7	+3	+0	+0

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	8	8	15	5	7	0	0	18	2	0	0	0	0	0
DEP	+0	-2	-3	+5	+2	+1	-	-1	+5	-1	+0	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	SEASONAL CORN GDD	JAN- MAY PRECITITATION
TOTAL	6109	10	572	14.72
DEP	+186	-72	-147	-0.29

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: Ave mo. max temp ties the 8th coldest ave mo max for May (rec 65.0 in 1935). 9th coldest ave mo. min (rec 43.1/1891) and 4th coldest ave mo mean (rec 55.4/1907, 1917, 1924). Only 5 days had average temps above the daily average. Peak gust 38.7 mph, from the west on the 14th. Even though air temp

CHAMPAIGN, IL — LOCAL CLIMATOLOGICAL DATA — JUNE 1997
ILLINOIS STATE WATER SURVEY — SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C	DEGREE DAYS CORN
06/01/97	60	53	0.40		0.0	0		R,L-,F	N	10.2	CLDY	8*	0	7
06/02/97	71	57		T	0.0	0		RW-,L-	NE	5.1	CLDY	1	0	14
06/03/97	65	56	0.01		0.0	0		L-,F	NE	5.0	CLDY	4	0	11
06/04/97	72	52	.00		0.0	0			NE	4.7	PC	3	0	12
06/05/97	75	53	.00		0.0	0			S	2.3	CLDY	1	0	14
06/06/97	70	58	0.21		0.0	0		TRW-,RW,RW-,F	S	5.0	CLDY	1	0	14
06/07/97	70	58	0.04		0.0	0		R,R-,F	E	2.9	CLDY	1	0	14
06/08/97	64	55	0.37		0.0	0		R,R-,F	NE	5.0	CLDY	5	0	10
06/09/97	76	55	.00		0.0	0		F	NE	4.1	PC	0	1	16
06/10/97	79	54	0.17		0.0	0		RW+,R-	SE	2.9	PC	0	2	17
06/11/97	79	59	.00		0.0	0		F	SW	3.6	PC	0	4	19
06/12/97	77	62	0.65*		0.0	0		TRW+,RW,R-,L-,F	SW	5.0	CLDY	0	5	20
06/13/97	78	57	.00		0.0	0		F	N	2.6	PC	0	3	18
06/14/97	74	58	.00		0.0	0			NE	7.1	CLR	0	1	16
06/15/97	80	51*	.00		0.0	0			S	6.9	PC	0	1	16
06/16/97	81	60	0.04		0.0	0		RW-	W	8.0	CLDY	0	6	21
06/17/97	83	58	.00		0.0	0			NE	3.4	PC	0	6	21
06/18/97	86	63	0.02		0.0	0		RW-	W	3.5	PC	0	10	25
06/19/97	90	61	.00		0.0	0			SW	5.9	PC	0	11	24
06/20/97	88	70	.00		0.0	0			SSW	9.5	PC	0	14	28
06/21/97	86	72	0.02		0.0	0		TRW-,RW-	S	7.0	CLDY	0	14	29*
06/22/97	90	68	.00		0.0	0			SW	2.9	PC	0	14	27
06/23/97	92	67	.00		0.0	0		H	S	3.6	PC	0	15	27
06/24/97	93*	70	.00		0.0	0		H	S	7.2	PC	0	17*	28
06/25/97	92	70	0.35		0.0	0		TRW+,RW+,R-	SW	6.7	PC	0	16	28
06/26/97	85	64	.00		0.0	0			N	4.1	CLR	0	10	25
06/27/97	85	63	.00		0.0	0			NE	2.3	CLR	0	9	24
06/28/97	87	66	.00		0.0	0			SE	3.7	CLR	0	12	26
06/29/97	85	66	.00		0.0	00			S	4.5	PC	0	11	26
06/30/97	86	66	0.09		0.0	0		TRW-	S	4.9	CLDY	0	11	26
TOT/AVE	80.0	60.7	2.37		0.0				NE	5.0		24	193	603
DEP	-2.9	-0.1	-1.70		+0.0				SW	-1.0		+8	-21	-25

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	5	0	0	0	13	12	6	1	0
DEP	-1	+0	+0	+0	-	+3	+0	-2	-2

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	4	15	11	9	5	0	0	12	4	0	0	0	2	0
DEP	+0	-6	+3	-3	+7	-1	-	-1	+1	+3	+0	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	SEASONAL CORN GDD	JAN- JUN PRECITITATION
TOTAL	6133	203	1175	17.09
DEP	+194	-93	-172	-1.99

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: No temp or precip records set this month. Peak gust was 34.6 mph, from the west on the 25th.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA JULY 1997
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C	DEGREE DAYS CORN
07/01/97	89	65	0.00		0.0		0		W	2.8	CLR	0	12	26
07/02/97	91	66	0.00		0.0		0		W	7.9	CLR	0	14	26
07/03/97	75	60	0.11		0.0		0	TRW-,RW	W	8.8	PC	0	3	18
07/04/97	68	54*		T	0.0		0	RW-	W	5.1	PC	4*	0	11
07/05/97	76	54*	0.00		0.0		0		W	2.0	CLR	0	0	15
07/06/97	82	54*	0.39		0.0		0	TRW,RW-,TRW+	SW	5.6	PC	0	3	18
07/07/97	85	61	0.00		0.0		0		SW	1.7	CLR	0	8	23
07/08/97	88	65	1.00*		0.0		0	TRW+	SW	7.4	PC	0	12	26
07/09/97	72	58	0.00		0.0		0	F	N	5.3	CLDY	0	0	15
07/10/97	78	57	0.00		0.0		0		NE	2.2	CLR	0	3	18
07/11/97	81	58	0.00		0.0		0		SE	2.6	CLR	0	5	20
07/12/97	86	60	0.00		0.0		0		SE	3.3	CLR	0	8	23
07/13/97	93	67	0.00		0.0		0	H	SW	3.9	PC	0	15	27
07/14/97	94	67	0.87		0.0		0	TRW+,H	SW	4.6	PC	0	16	27
07/15/97	87	65	0.00		0.0		0		NW	2.9	CLR	0	11	26
07/16/97	89	66	0.00		0.0		0		SW	4.0	CLR	0	13	26
07/17/97	89	66	0.00		0.0		0		S	4.1	CLR	0	13	26
07/18/97	93	68	0.08		0.0		0	TRW,RW-,H	SW	3.7	PC	0	16	27
07/19/97	88	69	0.00		0.0		0		NE	2.8	PC	0	14	28
07/20/97	89	68	0.00		0.0		0		SE	2.6	PC	0	14	27
07/21/97	87	71	0.41		0.0		0	TRW+,R-,H	E	2.9	CLDY	0	14	29
07/22/97	82	70	0.04		0.0		0	RW-,R-,F	NE	3.0	CLDY	0	11	26
07/23/97	79	67		T	0.0		0	RW-,F	N	3.6	CLDY	0	8	23
07/24/97	85	64	0.00		0.0		0	H	N	1.8	CLR	0	10	25
07/25/97	88	66	0.00		0.0		0	F	S	4.3	CLR	0	12	26
07/26/97	96*	76	0.00		0.0		0		W	6.6	CLR	0	21*	31*
07/27/97	96*	76	0.00		0.0		0	H	W	5.1	CLR	0	21*	31*
07/28/97	87	66	0.00		0.0		0		N	5.1	PC	0	12	26
07/29/97	77	61	0.00		0.0		0		NE	8.0	CLR	0	4	19
07/30/97	78	59	0.00		0.0		0		NE	5.7	CLR	0	4	19
07/31/97	83	58	0.00		0.0		0		NE	3.1	CLR	0	6	21
TOT/AVE	84.9	63.9	2.90		0.0				W	4.3		4	303	729
DEP	-0.4	-0.9	-1.58		+0.0				SW	-0.6		+2	-2	-9

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	6	0	0	0	9	7	5	2	1
DEP	-1	+0	+0	+0	-	-2	-2	-1	+0

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	17	10	4	5	6	0	0	9	0	0	0	0	6	0
DEP	+0	+7	-3	-4	+1	-1	-	+0	-2	-1	+0	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	SEASONAL CORN GDD	JAN- JUL PRECITITATION
TOTAL	4	506	1909	19.99
DEP	+2	-95	-176	-3.57

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: Record low max on the 4th of July. Peak gust was 32.1 mph, from the west on the 14th.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA AUGUST 1997
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C	DEGREE DAYS CORN
08/01/97	85	57	0.00		0.0		0		SW	3.2	CLR	0	6	21
08/02/97	88	68	0.00		0.0		0		W	4.8	PC	0	13	27
08/03/97	92	64	0.00	T	0.0		0	RW-,F	SW	3.4	CLR	0	13	25
08/04/97	85	64	0.16		0.0		0	TRW,R-	N	4.8	PC	0	10	25
08/05/97	76	57	0.00		0.0		0		N	6.0	CLR	0	2	17
08/06/97	77	51	0.00		0.0		0		N	2.5	CLR	1	0	14
08/07/97	81	54	0.00		0.0		0		NE	2.1	PC	0	3	18
08/08/97	83	56	0.00		0.0		0		SE	3.6	CLDY	0	5	20
08/09/97	70	66	0.34		0.0		0	R,R-,L-,F	SSE	4.9	CLDY	0	3	18
08/10/97	79	66	0.00		0.0		0	F	S	3.3	CLDY	0	8	23
08/11/97	82	66	0.10		0.0		0	RW,R-,F	S	2.7	CLDY	0	9	24
08/12/97	83	67	0.60		0.0		0	RW+,RW,T,L,F	SW	4.2	CLDY	0	10	25
08/13/97	76	63	0.00	T	0.0		0	L,F	N	3.0	CLDY	0	5	20
08/14/97	81	59	0.00		0.0		0		SSE	4.0	PC	0	5	20
08/15/97	86	68	0.32		0.0		0	TRW+,R,R-	SW	9.2	PC	0	12	27
08/16/97	92	66	0.84		0.0		0	TRW+	SW	8.6	CLDY	0	14	26
08/17/97	77	65	2.99		0.0		0	TRW+,R+,R,L-	E	3.4	CLDY	0	6	21
08/18/97	73	60	0.00	T	0.0		0	L-	N	3.8	CLDY	0	2	17
08/19/97	66	59	0.39		0.0		0	R	NE	2.6	CLDY	2	0	13
08/20/97	73	60	0.01		0.0		0	L-,F	W	4.3	CLDY	0	2	17
08/21/97	73	55	0.05		0.0		0	TRW-	NW	4.5	PC	1	0	14
08/22/97	74	55	0.00		0.0		0		N	3.3	CLR	0	0	15
08/23/97	76	51	0.00		0.0		0		SW	3.0	PC	1	0	14
08/24/97	73	61	1.21		0.0		0	TRW+,RW+,A,F	SW	4.8	CLDY	0	2	17
08/25/97	78	61	0.00		0.0		0	F	NE	2.0	CLDY	0	5	20
08/26/97	84	62	0.00		0.0		0	F	SW	3.4	PC	0	8	23
08/27/97	82	68	0.00		0.0		0	F	NNW	2.8	PC	0	10	25
08/28/97	85	62	0.00		0.0		0	F	W	3.6	PC	0	9	24
08/29/97	79	59	0.00		0.0		0		NE	2.3	CLR	0	4	19
08/30/97	78	59	0.01		0.0		0	RW-	SE	3.4	PC	0	4	19
08/31/97	84	64	0.00		0.0		0		NE	2.4	PC	0	9	24
TOT/AVE	79.7	61.1	7.02		0.0				NE	3.9		5	179	632
DEP	-3.3	-1.3	+3.00		+0.0				SW	-0.8		-2	-59	-47

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	2	0	0	0	15	12	9	4	2
DEP	-2	+0	+0	+0	-	+3	+3	+1	+1

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	6	12	13	12	6	0	1	11	6	0	0	0	0	0
DEP	+0	-4	+0	+4	+6	+0	-	+0	+0	+5	+0	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	SEASONAL CORN GDD	JAN- AUG PRECITITATION
TOTAL	9	685	2541	27.01
DEP	+0	-154	-223	-0.57

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: Storm on 15-16, 3.83 inches in 10-hour period, had a return freq. of 1 in 15 years. Hail on 24th was 1/4" to 3/4" in diameter. Ave mon max temp was 5th coolest for Aug (rec 75.2/1915). Precip total was 6th highest for Aug (rec 10.02/1993). Peak gust was 34.6 mph, from the west, on the 15th.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA SEPTEMBER 1997
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C	DEGREE DAYS CORN
09/01/97	88	62	0.00	0.0			0		E	1.7	CLR	0	10	24
09/02/97	86	59	1.43*	0.0			0	TRW+,TRW,RW-,F	NE	3.7	PC	0	8	23
09/03/97	69	52	0.00	0.0			0		NE	8.4	CLR	4	0	11
09/04/97	72	48	0.00	0.0			0		NE	2.2	CLR	5	0	11
09/05/97	73	47	0.00	0.0			0		SW	3.5	CLR	5	0	12
09/06/97	82	56	0.00	0.0			0		SW	5.2	CLR	0	4	19
09/07/97	85	60	0.23	0.0			0	TRW,R-	W	3.2	PC	0	8	23
09/08/97	77	65	0.50	0.0			0	TRW,R-,RW-,L-F	NE	2.2	CLDY	0	6	21
09/09/97	74	60	0.52	0.0			0	TRW,R,L-,F	N	2.5	CLDY	0	2	17
09/10/97	72	54	0.00	0.0			0	F	N	4.2	PC	2	0	13
09/11/97	73	52	0.00	0.0			0		NW	2.5	PC	2	0	13
09/12/97	76	51	0.00	0.0			0		E	1.4	PC	1	0	14
09/13/97	79	52	0.00T	0.0			0	L-	SE	2.3	CLDY	0	1	16
09/14/97	81	64	0.00	0.0			0		SE	2.8	CLDY	0	8	23
09/15/97	84	63	0.00	0.0			0	F	SE	3.8	PC	0	9	24
09/16/97	87	64	0.00	0.0			0	F	S	7.0	PC	0	11*	25*
09/17/97	82	56	0.16	0.0			0	R,R-,L-	NW	4.6	PC	0	4	19
09/18/97	83	53	0.00	0.0			0		S	4.9	CLR	0	3	18
09/19/97	89*	63	0.24	0.0			0	TRW+,TRW,R-	SW	7.1	PC	0	11*	25*
09/20/97	73	52	0.00	0.0			0		N	5.2	PC	2	0	13
09/21/97	68	49	0.00	0.0			0		NE	3.1	PC	6*	0	9
09/22/97	72	49	0.00	0.0			0		E	1.7	CLDY	4	0	11
09/23/97	63	54	0.29	0.0			0	R,R-,L-	NE	3.5	CLDY	6*	0	9
09/24/97	72	48	0.00	0.0			0		NE	2.6	CLDY	5	0	11
09/25/97	79	46*	0.00	0.0			0		W	4.4	CLR	2	0	15
09/26/97	77	52	0.00	0.0			0		NE	2.4	CLR	0	0	15
09/27/97	79	50	0.00	0.0			0		SE	3.3	CLR	0	0	15
09/28/97	70	50	0.03	0.0			0	R-,L-	W	4.2	PC	5	0	10
09/29/97	81	48	0.00	0.0			0		W	11.3	CLR	0	0	16
09/30/97	73	52	0.00	0.0			0		NW	5.6	CLR	2	0	13
TOT/AVE	77.3	54.4	3.40	0.0					NE	4.0		51	85	488
DEP	-0.4	-0.8	+0.04	+0.0					SW	-1.1		-30	-32	-12

==========NUMBER OF DAYS AND DEPARTURE==========

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	0	0	0	9	8	7	3	1
DEP	-2	+0	+0	+0	-	-1	+2	+1	+0

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	11	12	7	6	5	0	0	8	6	0	0	0	0	0
DEP	+0	+0	+3	-3	+1	+1	-	+0	-2	+3	+0	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	SEASONAL CORN GDD	JAN- SEP PRECITITATION
TOTAL	60	770	3029	30.41
DEP	-30	-186	-235	-0.53

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: Fairly average September. Seasonal Cooling Degree Days are 20% less than average. No temp or precip records ser this month. Peak wind gust was 43.6 mph, from the west on the 29th.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA OCTOBER 1997
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
10/01/97	68	44	.00		0.0		0		N	2.9	CLR	9	0
10/02/97	77	42	.00		0.0		0		S	6.7	PC	5	0
10/03/97	85	56	.00		0.0		0		SSW	7.1	CLR	0	6
10/04/97	82	60	.00		0.0		0		SW	5.1	PC	0	6
10/05/97	86*	56	.00		0.0		0		SW	6.7	PC	0	6
10/06/97	84	54	.00		0.0		0	F	SW	4.9	CLR	0	4
10/07/97	85	57	.00		0.0		0	F	SE	3.8	CLDY	0	6
10/08/97	85	60	.00		0.0		0	F	S	6.9	CLDY	0	8*
10/09/97	75	53	0.34		0.0		0	RW+,R	S	7.0	CLDY	1	0
10/10/97	75	45	.00		0.0		0		NE	2.0	CLR	5	0
10/11/97	78	47	.00		0.0		0		S	4.3	PC	2	0
10/12/97	82	58	.00		0.0		0		SE*	8.6e	PC	0	5
10/13/97	70	42	0.62		0.0		0	R,RW	SWb	7.2be	CLR	9	0
10/14/97	54	34	.00		0.0		0		Nb	4.3be	CLR	21	0
10/15/97	54	33	.00		0.0		0		ENEb	2.1be	PC	21	0
10/16/97	57	43	.00		0.0		0		Nb	4.2be	CLDY	15	0
10/17/97	56	39	.00		0.0		0		Nb	3.7be	CLR	17	0
10/18/97	59	35	.00		0.0		0		Eb	1.8be	CLR	18	0
10/19/97	65	33	.00		0.0		0		SW	3.7e	CLR	16	0
10/20/97	58	40	.00		0.0		0		N	3.4	CLR	16	0
10/21/97	52	34	.00		0.0		0		W	4.8	CLR	22	0
10/22/97	47	30	.00		0.0		0		N	2.9	CLR	26	0
10/23/97	58	34		T	0.0		0	L-	N	6.2	CLDY	19	0
10/24/97	53	41	0.05		0.0		0	R,R-	NE	3.4	CLDY	18	0
10/25/97	55	43	.00		0.0		0		NE	5.5	CLDY	16	0
10/26/97	44	35	0.95*		0.0		0	R,R-,RW,L-	NE	7.6	CLDY	25	0
10/27/97	43	28*		T		*T	0	SW-	N	4.8	PC	29*	0
10/28/97	53	28*	.00		0.0		0		S	6.4	CLR	24	0
10/29/97	61	35	.00		0.0		0		WSW	2.3	CLR	17	0
10/30/97	63	36	.00		0.0		0	F	S	8.6	CLDY	15	0
10/31/97	67	52		T	0.0		0	L-	S	8.7	PC	5	0
TOT/AVE	65.5	42.8	1.96			T			NE*	5.1be		371	41
DEP	-0.4	-1.0	-0.72		-0.1				S	-1.0		+22	+25

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	0	3	0	7	4	3	2	0
DEP	+0	+0	+0	+0	-	-5	-3	+0	-1

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	14	8	9	4	0	0	0	4	3	1	0	0	0	0
DEP	+0	+2	+0	-2	+0	-2	-	+0	-6	-1	+0	+0	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	JAN- OCT PRECITITATION
TOTAL	431	811	32.37
DEP	-8	-161	-1.25

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: Scattered frost on grd on 14th, first day of <=32F on 10/22 (ave date 10/19). 6 consecutive days of >=80F, record is 8 in 1963. Daily ave mean temp ranged from +17F to -14F from 30-year ave daily mean temp. Anemometer problem 10/12-19. * contains CMI and Bondville data, b bondville data, be estimated

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA NOVEMBER 1997
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	SNOW INCH	SNOW DEPTH	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
11/01/97	54	38	0.29	.0	0	R,R-,RW,L-	W	7.0	CLDY	19	0*
11/02/97	44	33	0.18	T	0	R,SW-,IP-	W	7.7	CLDY	26	0
11/03/97	35	31	0.07	0.4	T	SW-,SG-,R-	W	8.6	CLDY	32	0
11/04/97	37	32	T	T	0	SW-,L-	W	4.8	CLDY	30	0
11/05/97	51	32	0.33	.0	0	R,R-,L-	E	2.3	CLDY	23	0
11/06/97	47	38	0.15	.0	0	R-,L-	NE	6.8	CLDY	22	0
11/07/97	48	37	.00	.0	0		N	6.0	PC	22	0
11/08/97	50	38	.00	.0	0		N	5.0	PC	21	0
11/09/97	44	40	.00	.0	0		NW	3.0	CLDY	23	0
11/10/97	42	32	T	.0	0	L-,F	N	4.5	CLDY	28	0
11/11/97	38	26	T	T	0	SW-	N	4.3	CLDY	33	0
11/12/97	36	23	.00	.0	0		N	2.4	PC	35	0
11/13/97	34	27	0.16	1.5*	0	SW,SW-	NE	3.6	CLDY	34	0
11/14/97	37	29	0.01	0.1	2*	SW	N	5.5	CLDY	32	0
11/15/97	32	25	0.13	1.3	2	SW,SW-	W	8.7	PC	36	0
11/16/97	28	16	T	T	T	SW,SW-	NW	6.2	CLDY	43*	0
11/17/97	37	15*	.00	.0	T		SW	7.5	CLR	39	0
11/18/97	44	22	.00	.0	T		NE	7.2	CLR	32	0
11/19/97	45	28	.00	.0	0		NE	3.1	CLR	28	0
11/20/97	54	28	.00	.0	0		NE	6.7	CLDY	24	0
11/21/97	46	37	0.05	.0	0	RW-,F	NE	7.1	CLDY	23	0
11/22/97	44	29	.00	.0	0		NW	4.8	CLDY	28	0
11/23/97	38	22	.00	.0	0		W	6.4	CLR	35	0
11/24/97	39	23	.00	.0	0		NE	4.4	CLR	34	0
11/25/97	57	36	.00	.0	0		NE	11.8	PC	18	0
11/26/97	55	29	.00	.0	0		N	8.8	CLR	23	0
11/27/97	48	23	0.27	.0	0	TRW,R-,L-,F	NE	7.6	CLDY	29	0
11/28/97	58	48	0.39*	.0	0	R,R-,L-,F	E	6.1	CLDY	12	0
11/29/97	64*	50	0.22	.0	0	R,RW-,L-,F	SE	2.2	CLDY	8	0
11/30/97	54	38	0.31	.0	0	R,F	N	10.1	CLDY	19	0
TOT/AVE	44.7	30.8	2.56	3.3			N	6.0		811	0
DEP	-5.6	-3.0	-0.54	+1.1			SW	-1.5		+115	+0

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	2	19	0	17	13	10	0	0
DEP	+0	+1	+5	+0	-	+3	+4	-2	-1

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	2	6	5	19	5	1	1	0	10	8	8	0	0	0	0
DEP	+1	-1	-3	+4	+1	+0	-	+0	+1	+3	+4	-1	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	JAN- NOV PRECITITATION
TOTAL	1242	811	34.93
DEP	+107	-161	-1.79

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: Very early date for first measurable snowfall, only 8 days earlier. Average date for first measurable snowfall is Nov.21. Also, early date for first inch of snowfall, average date for first inch of snowfall is Dec 2. During the month, only 7 days had mean temps above the average for that day. Daily mean temps ranged from 21F below to 23F above the average for the day.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA DECEMBER 1997
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
12/01/97	46	31	.00		.0		0		NE	4.8	CLDY	26	0
12/02/97	44	29	.00		.0		0		SE	2.7	CLDY	28	0
12/03/97	41	36	0.03		.0		0	R-,L-	W	6.1	CLDY	26	0
12/04/97	36	26	0.05		0.8		0	S,SW-	W	6.8	CLDY	34	0
12/05/97	26	20	0.02		0.3		1	SW,SW-	W	10.8	CLDY	42	0
12/06/97	27	22	0.01		0.1		1	SW,SW-	W	9.4	CLDY	40	0
12/07/97	29	26		T		T	1	SW,SW-	W	4.6	CLDY	37	0
12/08/97	31	27	0.08		0.9		T	S	SE	4.3	CLDY	36	0
12/09/97	34	29	0.39		0.3		1	R,R-,L-,S,F	NE	3.0	CLDY	33	0
12/10/97	35	33	0.22			T	T	R-,L-,SW-,F	NW	6.9	CLDY	31	0
12/11/97	37	30		T		T	0	SW-	N	6.2	CLDY	31	0
12/12/97	34	25	.00		.0		0		NW	6.8	CLDY	35	0
12/13/97	34	22	.00		.0		0		W	7.3	CLR	37	0
12/14/97	42	19	.00		.0		0		NE	1.6	CLR	34	0
12/15/97	46	24	.00		.0		0		S	6.7	CLR	30	0
12/16/97	50	27	.00		.0		0		SE	5.6	CLR	26	0
12/17/97	47	26	.00		.0		0		N	3.0	CLR	28	0
12/18/97	52	26	.00		.0		0		NE	6.2	CLR	26	0
12/19/97	56*	31	.00		.0		0		NE	2.8	PC	21	0
12/20/97	38	32	.00		.0		0		N	7.6	CLDY	30	0
12/21/97	37	30	0.07		.0		0	R-,L-	E	5.1	CLDY	31	0
12/22/97	37	34	0.45		.0		0	R,R-,L-	W	6.1	CLDY	29	0
12/23/97	39	33		T	.0		0	L-	W	4.3	CLDY	29	0
12/24/97	41	33	0.60*		.0		0	R,R-,L-	ENE	7.3	CLDY	28	0
12/25/97	33	28	.00		.0		0		NW	9.0	CLDY	34	0
12/26/97	37	28	.00		.0		0		W	8.8	CLDY	32	0
12/27/97	33	21	.00		.0		0		W**	3.8**	PC	38	0
12/28/97	35	22	.00		.0		0		S**	8.5**	CLDY	36	0
12/29/97	33	25	0.05		0.5		0	S-	NW	7.3	CLDY	36	0
12/30/97	25	18		T		T	1	SW-	WNW	5.4	CLDY	43	0
12/31/97	24	9*		T		T	1	S-	NW	7.1	CLR	48*	0
TOT/AVE	37.4	26.5	1.97		2.9				W**	6.0**		1,015	0
DEP	+0.9	+4.5	-1.05		-3.1				S	-1.9		-102	+0

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	6	26	0	16	11	4	1	0
DEP	+0	-5	+0	-2	-	+0	-2	-1	-1

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	7	2	22	2	0	0	0	6	7	11	0	0	0	0
DEP	-2	+0	-5	+5	-4	-1	-	+0	-2	+4	+2	-3	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	JAN- DEC PRECITITATION
TOTAL	2257	811	36.90
DEP	+5	-161	-2.84

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: No temperature or precipitation records set this month.
** frozen anemometer, wind data combined from Bondville and CMI
Peak gust was 28.7 mph, from the west, on the 5th.

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA JANUARY 1998
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
01/01/98	44	15	.00		.0		1*		S	15.6	CLR	35	0
01/02/98	49	35	.00		.0		0		S	16.3	CLDY	23	0
01/03/98	56	49	0.10		.0		0	R-,L-	S	16.7	CLDY	12	0
01/04/98	58*	52	0.06		.0		0	R-,RW-,L-	S	10.8	CLDY	10	0
01/05/98	57	52	0.59		.0		0	R-,L-,F	S	7.1	CLDY	10	0
01/06/98	53	50	0.03		.0		0	RW-,L-	NE	4.3	CLDY	13	0
01/07/98	52	36	0.31		.0		0	R,R-,L-	NE	15.1	CLDY	21	0
01/08/98	38	32	0.61*		.0		0	R,R-,L-	NE	11.0	CLDY	30	0
01/09/98	35	30	T		T		0	SW-,ZL-	W	11.5	CLDY	32	0
01/10/98	30	13	.00		.0		0		W	7.4	CLR	43	0
01/11/98	27	16	.00		.0		0		NE	2.6	CLDY	43	0
01/12/98	34	22	T		.0		T	ZL-,L-	NW	4.0	CLDY	37	0
01/13/98	23	6*	0.01		T		T	SW-	NW	5.8	CLDY	50*	0
01/14/98	33	12	0.30		.0		0	R-,ZR-,L-,ZL-	SE	5.1	PC	42	0
01/15/98	30	21	T		T		0	SW-	NNW	4.1	CLDY	39	0
01/16/98	29	25	.00		.0		0		NE	2.0	CLDY	38	0
01/17/98	29	25	0.02		0.2		T	SW,SW-	W	6.3	CLDY	38	0
01/18/98	31	16	.00		.0		0		N	4.5	PC	41	0
01/19/98	22	14	T		T		0	SW-,F	WNW	2.9	CLDY	47	0
01/20/98	28	20	T		T		0	SW-,L-,F	SE	3.0	CLDY	41	0
01/21/98	42	28	0.01		0.1		T	SW-,SG-	SE	5.7	CLDY	30	0
01/22/98	36	32	0.19		1.4*		0	S,SW,F	W	2.2	CLDY	31	0
01/23/98	32	22	T		T		1	SW-	W	5.5	CLDY	38	0
01/24/98	34	14	.00		.0		1		W	1.4	CLDY	41	0
01/25/98	35	26	.00		.0		1		S	7.3	PC	34	0
01/26/98	38	25	T		.0		T	RW-	S	1.9	CLDY	33	0
01/27/98	49	28	.00		.0		0	F	SW	1.8	PC	26	0
01/28/98	54	25	.00		.0		0	F	S	5.6	PC	25	0
01/29/98	40	30	T		.0		0	L-	NW	7.6	CLDY	30	0
01/30/98	40	28	.00		.0		0		NW	4.0	PC	31	0
01/31/98	45	25	.00		.0		0		SE	5.9	CLR	30	0
TOT/AVE	38.8	26.6	2.23		1.7				Sb	6.6b		994	0
DEP	+7.1	+10.6	+0.40		-6.4				W	-1.7		-289	+0

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	10	25	0	18	11	6	2	0
DEP	+0	-6	-4	-4	-	+2	+1	+1	+0

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	1	3	6	22	5	0	0	0	8	10	9	3	0	0	0
DEP	-2	-5	-3	+8	+1	-1	-	+0	+3	+7	-1	+1	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	JAN- JAN PRECITITATION
TOTAL	3251	0	2.23
DEP	-284	+0	+0.40

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec.

REMARKS: Tied 5th highest ave. mon min temp (rec 29.6/1933). New rec high min temps set on 3,4,5,and 6. Prev rec on 5th established 1890. Problems with anemometer. e=estimated data, b= Bonville data. *=combined data from CMI and

CHAMPAIGN, IL LOCAL CLIMATOLOGICAL DATA FEBRUARY 1998
ILLINOIS STATE WATER SURVEY SUMMARY

DATE	TEMP MX	TEMP MN	PRECIP INCH	PRECIP T	SNOW INCH	SNOW T	SNOW DEP	WEATHER TYPES	WIND D	WIND S	SKY COV	DEGREE DAYS H	DEGREE DAYS C
02/01/98	47	30	.00		.0	0			SE	8.6	PC	26	0*
02/02/98	41	30	.00		.0	0			W	4.2	PC	29	0
02/03/98	40	29	.00		.0	0			NE	6.2	CLDY	30	0
02/04/98	33	30	.00		.0	0			N	12.1	CLDY	33*	0
02/05/98	36	30	.00		.0	0			N	11.2	CLDY	32	0
02/06/98	43	28	.00		.0	0			NE	7.8	PC	29	0
02/07/98	47	26	.00		.0	0			NE	5.3	CLR	28	0
02/08/98	42	25	.00		.0	0		F	N	4.0	PC	31	0
02/09/98	52	22*	.00		.0	0		F	S	3.0	CLR	28	0
02/10/98	49	32	0.03		.0	0		R-,RW-	SE	5.2	CLDY	24	0
02/11/98	49	37	0.57*		.0	0		TRW,R,L-	E	4.6	CLDY	22	0
02/12/98	37	30	.00		.0	0			NW	7.1	CLDY	31	0
02/13/98	39	29	.00		.0	0			SW	4.2	CLDY	31	0
02/14/98	42	26	.00		.0	0			SE	3.1	CLDY	31	0
02/15/98	48	29	.00		.0	0			SE	5.1	PC	26	0
02/16/98	48	39	0.26		.0	0		R-,L-	E	5.2	CLDY	21	0
02/17/98	46	39	0.42		.0	0		R,R-,L	NE	9.0	CLDY	22	0
02/18/98	41	38	0.08		.0	0		L-	NW	6.5	CLDY	25	0
02/19/98	41	37	0.03		.0	0		RW-,R-,L-	W	3.1	CLDY	26	0
02/20/98	44	38	0.05		.0	0		L-	NW	4.1	CLDY	24	0
02/21/98	43	35		T	.0	0		L-	W	2.6	CLDY	26	0
02/22/98	53	31	.00		.0	0			E	3.1	PC	23	0
02/23/98	51	35	.00		.0	0			NNE	5.1	PC	22	0
02/24/98	60	37	0.05		.0	0		RW-,F	NW	6.3	CLR	16	0
02/25/98	61	33	.00		.0	0			SE	8.1	PC	18	0
02/26/98	64*	44	0.11		.0	0		R,RW-,L-	SE	12.4	CLDY	11	0
02/27/98	52	36	0.15		.0	0		R-,RW-,L-	SW	11.2	PC	21	0
02/28/98	49	32	0.05			T*	0	TRW-,SW-	W	5.8	CLDY	24	0
TOT/AVE	46.4	32.4	1.80			T			NE	6.2		710	0
DEP	+10.1	+12.1	-0.17		-7.0				S	-1.8		-332	+0

NUMBER OF DAYS AND DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >=T	>=.01	>=.10	>=.50	>=1.00
TOTAL	0	0	16	0	12	11	5	1	0
DEP	+0	-11	-8	-2	-	+2	-1	+0	+0

	SNOW >=1.0	SKY COVER CLR	PC	CLDY	WEATHER TYPES F	T	IP	A	R	L	S	Z	D	H	BS
TOTAL	0	3	9	16	3	2	0	0	9	9	1	0	0	0	0
DEP	-2	-5	+2	+3	-1	-+2	-	+0	+4	+6	-8	-2	-	-	-

	SEASONAL HEAT DD	SEASONAL COOL DD	JAN- FEB PRECITITATION
TOTAL	3961	0	4.03
DEP	-616	+0	+0.23

WEATHER TYPES:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=Rain;S=Snow;Z=Freezing Precip;D=Dust;H=Haze;BS=Blowing Snow; RW=Rain Showers;SW=Snow Showers; L=Drizzle;T=Trace. Intensities: + heavy; - light; absence of symbol indicates moderate. Degree days:Heat and Cool base 65F,Corn Growing base 50F. Averages based on 1961-1990 data.Snow depth at 7 AM LST. Sky 7 AM - 7 PM LST. Other data mid-mid. Heat DD season Jul-Jun; Cool and Corn season Jan-Dec. REMARKS: 2nd warmest Feb in C-U, rec was 40.1F/1954. Ave mo. max 4th highest (rec 49.2/1954), ave mo min was warmest ever for Feb (old rec 31.2/1930). Mon total HDD was 2nd lowest total for Feb (rec 691/1954). Feb snowfall tied with 3 other years for no measurable snowfall. Peak gust 43.8 mph, from the south, on the 26th.

Winter Stats (D,J,F): Third warmest winter ever in C-U. Mean temp was 34.7F +7.6F from 30-year average (rec is 37.8F/1931-32). Ave winter max 40.9F, +6.1F 8th highest . Ave winter min 28.5F, +9.1F, 2nd highest. Snowfall total was

Champaign, Il — Local Climatological Data — March 1998
Water Survey Research Center Illinois State Water Survey — Summary

Date	Temp MX	Temp MN	Precip (In)	Snow (In)	Snow Dep	Weather Types	Ave Wind Dir	Ave Wind Speed	Sky Cover	DD H	DD C
03/01/98	40	32	0.01	0.1	0	SW-	WSW	5.2	CLDY	29	0
03/02/98	37	30	0.02	0.0T	T	SW-	W	6.4	CLDY	31	0
03/03/98	38	34	0.02	0.0T	0	RW-,SW-	W	8.3	CLDY	29	0
03/04/98	39	30	0.05	1.2	0	SW-,S-,S	NW	5.2	CLDY	30	0
03/05/98	38	26	0.00	0.0	0		NE	3.6	PC	33	0
03/06/98	47	31	0.00T	0.0T	0	SW-	NE	4.1	PC	26	0
03/07/98	44	33	0.08	0.0	0	IP-,R,R-,RW-,L-	NE	9.0	CLDY	26	0
03/08/98	48	39	1.19	0.0	0	R,R-,RW,L-	E	7.5	CLDY	21	0
03/09/98	39	17	0.36	4.7	1	R,L-,S,S+,TRW	NNW	14.4	CLDY	37	0
03/10/98	19	11	0.00	0.0	3		NW	7.7	CLR	50	0
03/11/98	20	9	0.00T	0.0T	3	SW-	N	7.7	PC	50	0
03/12/98	23	4	0.00	0.0	3		W	5.1	CLR	51	0
03/13/98	41	16	0.00	0.0	2		SW	11.7	PC	36	0
03/14/98	37	23	0.00	0.0	2		NW	7.6	PC	35	0
03/15/98	37	24	0.00	0.0	1		NE	5.7	CLDY	34	0
03/16/98	41	30	0.04	0.0	T	SG-,R-,L-	E	5.2	CLDY	29	0
03/17/98	50	36	1.01	0.0	0	R,R-,L-	SE	6.5	CLDY	22	0
03/18/98	56	45	0.02	0.0	0	R,R-,L-,F	WSW	8.7	CLDY	14	0
03/19/98	45	37	0.21	0.0	0	R,R-,L-,F	W	7.0	CLDY	24	0
03/20/98	37	31	1.16	0.6	0	R,IP,ZR,S	N	15.7	CLDY	31	0
03/21/98	44	31	0.00	0.0	1		N	10.0	PC	27	0
03/22/98	46	28	0.00	0.0	0		N	4.6	PC	28	0
03/23/98	43	32	0.06	0.0	0	R-,RW-,L-	W	3.9	CLDY	27	0
03/24/98	50	27	0.00	0.0	0		SE	4.4	CLR	26	0
03/25/98	64	42	0.00	0.0	0		S	11.1	PC	12	0
03/26/98	74	56	0.00	0.0	0		S	20.0	PC	0	0
03/27/98	75	51	0.64	0.0	0	R,RW	S	15.5	PC	2	0
03/28/98	66	51	1.03	0.0	0	TRW+	W	11.2	PC	6	0
03/29/98	76	51	0.00	0.0	0		S	12.2	PC	1	0
03/30/98	78	60	0.00	0.0	0		S	15.3	PC	0	4
03/31/98	67	46	0.45	0.0	0	R,RW	S	13.8	CLDY	8	0
Tot/Ave	47.1	32.7	6.35	6.6			S	8.8		775	4
Dep	-1.7	+1.6	+3.05	+2.5			S	+0.2		-10	+3

Number of days and Departure

	Max Temp >=90	Max Temp <=32	Min Temp <=32	Min Temp <=0	Precipitation >=T	Precipitation >=.01	Precipitation >=.10	Precipitation >=.50	Precipitation >=1.00	Snow >=1.0
Total	0	3	18	0	18	16	8	5	4	2
Dep	+0	+0	+0	+0	--	+4	-1	+3	+3	+1

	Sky Cover CLR	Sky Cover PC	Sky Cover CLDY	Weather Types F	T	IP	A	R	L	S	Z
Total	3	13	15	2	2	2	0	13	8	9	1
Dep	-4	+4	+0	-2	-1	-	-1	+3	+4	+3	+0

	Seasonal Heat Degree Days	Seasonal Cool Degree Days	Jan-Mar Precipitation
Total	4736	4	10.38
Dep	-626	+3	+3.28

Weather Types: F=Fog; T=Thunder; IP= Ice Pellets; A=Hail; R=Rain; S=Snow; Z=Freezing Precip; RW=Rain Showers; SW= Snow Showers; L=Drizzle; T=Trace. Intensities: + heavy, - light, absence of symbol indicates moderate. Degree Days: Heat and Cool base 65F, Corn Growing base 50F with a cutoff at 86F. Averages based on 1961-1990 data. Snow depth at 7am LST. Sky Cover 7AM-7PM LST. Other data mid-mid. Heat DD Season Jul=Jun. Cool and Corn Growing DD Season Jan-Dec.

Remarks: Winds during the snowstorm on the 9th averaged 17.7 mph, from the north. New record high minimum temp on the 30th, old record 55/1910. Peak gust for the month was 43.7 mph, from the south, on the 26th.

Champaign, Il — Local Climatological Data — April 1998
Water Survey Research Center — Illinois State Water Survey — Summary

Date	Temp MX	Temp MN	Precip (In)	Sno (In	Snow Dep	Weather Types	Ave Wind Dir	Ave Wind Speed	Sky Cov	Degree Days H	Degree Days C	Degree Days Gr
04/01/98	48	40	0.10	0.0	0	R,R-	SW	13.9	CLDY	21	0*	0
04/02/98	56	39	0.00	0.0	0		W	5.7	CLDY	17	0	3
04/03/98	48	38	0.62	0.0	0	R	NE	9.2	CLDY	22*	0	0
04/04/98	53	38	0.00	0.0	0		NE	9.1	PC	19	0	2
04/05/98	59	33*	0.00	0.0	0		NE	2.7	PC	19	0	5
04/06/98	65	39	0.00	0.0	0		SE	4.5	PC	13	0	8
04/07/98	65	46	0.61	0.0	0	TRW+,TRW,R-,RW-	SE	6.9	CLDY	9	0	8
04/08/98	65	47	0.00	0.0	0		SW	8.2	PC	9	0	8
04/09/98	50	41	0.12	0.0	0	R-,L-	N	8.8	CLDY	19	0	0
04/10/98	57	38	0.00	0.0	0		N	7.1	CLR	17	0	4
04/11/98	66	36	0.00	0.0	0		W	4.4	CLR	14	0	8
04/12/98	70	47	0.00	0.0	0		S	11.7	CLR	6	0	10
04/13/98	63	50	0.56	0.0	0	TRW-,RW+,R-,RW	S	14.6	PC	8	0	7
04/14/98	69	50	0.00	0.0	0		W	7.5	CLR2	5	0	10
04/15/98	67	50	0.00T	0.0	0	TRW-,RW-	S	8.6	CLDY	6	0	9
04/16/98	57	40	0.07	0.0	0	RW-	W	10.0	CLDY	16	0	4
04/17/98	57	34	0.00	0.0	0		NW	4.2	CLR	19	0	4
04/18/98	58	37	0.00	0.0	0		NE	2.7	PC	17	0	4
04/19/98	65	44	0.00	0.0	0		NE	4.2	CLR	10	0	8
04/20/98	65	40	0.27	0.0	0	TRW	S	8.2	PC	12	0	8
04/21/98	57	43	0.00	0.0	0	F	N	2.6	PC	15	0	4
04/22/98	61	48	0.05	0.0	0	RW-,F	N	6.7	CLDY	10	0	6
04/23/98	71	47	0.00	0.0	0		N	5.0	CLR	6	0	11
04/24/98	74	46	0.00	0.0	0		W	6.8	CLR	5	0	12
04/25/98	67	48	0.14	0.0	0	R-,RW-	S	7.9	CLDY	7	0	9
04/26/98	77*	46	0.00	0.0	0		W	10.6	PC	3	0	14*
04/27/98	61	41	0.00	0.0	0		NE	8.2	PC	14	0	6
04/28/98	62	42	0.42	0.0	0	RW+,R-	E	4.1	CLDY	13	0	6
04/29/98	69	50	0.92*	0.0	0	TRW+,RW,R,F	SE	5.2	CLDY	5	0	10
04/30/98	66	55	0.73	0.0	0	R,RW,RW-,F	SE	3.6	CLDY	4	0	11
Tot/Ave	62.3	43.1	4.61	0.0			W	7.1		360	0	199
Dep	-0.1	+1.7	+0.67	-1.0			S	-1.4		-51	-10	-7

==========Number of days and Departure==========

	Max Temp >=90	Max Temp <=32	Min Temp <=32	Min Temp <=0	Precipitation >=T	>=.01	>=.10	>=.50	>=1.00
Total	0	0	0	0	13	12	10	5	0
Dep	+0	+0	-5	+0	-	+0	+2	+3	-1

	Snow >=1.0	Sky Cover CLR	PC	CLDY
Total	0	8	10	12
Dep	+0	+0	+1	-1

	Weather Types F	T	IP	A	R	L	S	Z	Seas.Heat D D	Seas.Cool DD	Seas. Grow D D
Total	4	5	0	0	13	1	0	0	5096	4	329
Dep	+1	+0	-	-1	+0	-3	-2	+0	-677	-7	+33

Jan- Apr
Precipitation
Tot 14.99
Dep +3.95

Weather Types: F=Fog; T=Thunder; IP= Ice Pellets; A=Hail; R=Rain; S=Snow; Z=Freezing Precip; RW=Rain Showers; SW= Snow Showers; L=Drizzle; T=Trace.
Intensities: + heavy, - light, absence of symbol indicates moderate.
Degree Days: Heat and Cool base 65F, Corn Growing base 50F with a cutoff at 86F. Averages based on 1961-1990 data. Snow depth at 7am LST. Sky Cover 7AM-7PM Other data mid-mid. Heat DD Season Jul-Jun. Cool and Corn Growing DD Seaswon Jan-Dec.

Champaign, Il — Local Climatological Data — May 1998
Water Survey Research Center — Illinois State Water Survey — Summary

Date	Temp MX	Temp MN	Precip (In)	Sno (In	Snow Dep	Weather Types	Ave Wind Dir	Ave Wind Speed	Sky Cov	Degree Days H	Degree Days C	Degree Days Gr
05/01/98	65	54	0.21	0.0	0	R,RW,R-,L-,F	W	4.5	CLDY	5	0	10
05/02/98	70	51	0.09	0.0	0	TRW-,RW-	NW	4.8	PC	4	0	11
05/03/98	60	49*	1.91*	0.0	0	RW,R	N	8.1	CLDY	10*	0	5
05/04/98	67	53	.00	0.0	0	F	NE	3.4	CLDY	5	0	10
05/05/98	76	49*	.00	0.0	0	F	S	5.2	PC	2	0	13
05/06/98	67	54	0.25	0.0	0	R,R-,L-	SE	4.4	CLDY	4	0	11
05/07/98	65	58	0.30	0.0	0	TRW-,R,R-,L-	NW	4.6	CLDY	3	0	12
05/08/98	72	57	0.34	0.0	0	R,R-,L-	N	9.7	PC	0	0	15
05/09/98	72	54	.00	0.0	0		NE	5.9	PC	2	0	13
05/10/98	73	54	.00	0.0	0		NE	7.8	PC	1	0	14
05/11/98	76	51	.00	0.0	0		N	2.8	CLR	1	0	14
05/12/98	80	52	0.86	0.0	0	TRW+,A,R	S	6.2	PC	0	1	16
05/13/98	80	59	.00	0.0	0	F	N	4.0	CLR	0	5	20
05/14/98	89	59	.00	0.0	0		S	3.6	CLR	0	9	23
05/15/98	83	64	.00	0.0	0	F	NW	7.1	CLR	0	9	24
05/16/98	82	58	.00	0.0	0		N	6.1	CLR	0	5	20
05/17/98	88	55	.00	0.0	0		NW	2.4	CLR	0	7	21
05/18/98	87	57	.00	0.0	0		NW	7.2	CLR	0	7	22
05/19/98	92*	66	1.12	0.0	0	TRW+,A	NW	5.9	CLDY	0	14*	26
05/20/98	79	60	0.04	0.0	0	TRW-,RW-,F	NE	3.3	PC	0	5	20
05/21/98	77	59	.00	0.0	0		E	2.6	CLDY	0	3	18
05/22/98	66	56	0.69	0.0	0	TRW,RW	E	4.5	CLDY	4	0	11
05/23/98	64	55	0.42	0.0	0	TRW,TRW-,RW-	E	3.8	CLDY	5	0	10
05/24/98	75	56	1.47	0.0	0	TRW+,A	W	5.7	PC	0	1	16
05/25/98	72	54	.00	0.0	0		NE	2.3	CLDY	2	0	13
05/26/98	75	53	.00	0.0	0		SE	2.5	CLR	1	0	14
05/27/98	80	59	.00	0.0	0		S	3.6	CLR	0	5	20
05/28/98	87	65	.00	0.0	0		SW	6.3	PC	0	11	26
05/29/98	87	66	0.12	0.0	0	TRW	SW	3.9	PC	0	12	26
05/30/98	88	66	.00	0.0	0	F	S	7.6	CLR	0	12	26
05/31/98	88	67	.00	0.0	0		SW	9.8	PC	0	13	27*
Tot/Ave	76.8	57.1	7.82	0.0			N	5.1		49	119	527
Dep	+3.2	+5.4	+3.85	+0.0			S	-1.8		-101	+48	+104

==========Number of days and Departure==========

	Max Temp >=90	Max Temp <=32	Min Temp <=32	Min Temp <=0	Precipitation >=T	>=.01	>=.10	>=.50	>=1.00
Total	1	0	0	0	13	13	11	5	3
Dep	+0	+0	+0	+0	-	+3	+4	+2	+2

	Snow >=1.0	Sky Cover CLR	PC	CLDY
Total	0	10	11	10
Dep	+0	+0	+0	+0

	Weather Types F	T	IP	A	R	L	S	Z	Seas.Heat D D	Seas.Cool DD	Seas. Grow D D
Total	8	9	0	3	13	4	0	0	5145	123	856
Dep	+5	+3	-	+2	+0	+1	+0	+0	-778	+41	+137

Jan- Apr
Precipitation
Tot 22.81
Dep +7.80

Weather Types: F=Fog; T=Thunder; IP= Ice Pellets; A=Hail; R=Rain; S=Snow; Z=Freezing Precip; RW=Rain Showers; SW= Snow Showers; L=Drizzle; T=Trace.
Intensities: + heavy, - light, absence of symbol indicates moderate.
Degree Days: Heat and Cool base 65F, Corn Growing base 50F with a cutoff at 86F. Averages based on 1961-1990 data. Snow depth at 7am LST. Sky Cover 7AM-7PM Other data mid-mid. Heat DD Season Jul-Jun. Cool and Corn Growing DD

Champaign, Il — Local Climatological Data — June 1998
Water Survey Research Center — Illinois State Water Survey — Summary

Date	Temp MX	Temp MN	Precip (In)	Sno (In	Snow Dep	Weather Types	Ave Wind Dir	Ave Wind Speed	Sky Cov	Degree Days H	Degree Days C	Degree Days Gr
06/01/98	77	56	0.00	0.0	0		N	4.7	CLR	0	2	17
06/02/98	85	58	0.00	0.0	0		WNW	7.5	CLR	0	7	22
06/03/98	66	51	0.17	0.0	0	TRW	N	3.4	CLDY	6	0	9
06/04/98	64	52	0.10	0.0	0	RW,R-	NE	3.3	CLDY	7	0	8
06/05/98	59	47	0.31	0.0	0	RW,RW-,R-,L-	NE	5.7	CLDY	12*	0	5
06/06/98	62	43*	0.11	0.0	0	R	NW	2.4	CLDY	12*	0	6
06/07/98	73	43*	0.00	0.0	0		W	4.0	PC	7	0	12
06/08/98	61	57	0.40	0.0	0	TRW,R,R-	SE	4.7	CLDY	6	0	9
06/09/98	80	57	0.43	0.0	0	TRW,R,R-	SE	6.9	CLDY	0	4	19
06/10/98	81	58	0.02	0.0	0	R-	NW	3.0	PC	0	5	20
06/11/98	82	66	1.56	0.0	0	TRW+,R-	SW	7.8	CLDY	0	9	24
06/12/98	88	64	0.48	0.0	0	TRW+,A,RW	SW	6.4	PC	0	11	25
06/13/98	78	62	0.00	0.0	0		NW	4.8	PC	0	5	20
06/14/98	74	61	1.57*	0.0	0	TRW+	SE	5.1	CLDY	0	3	18
06/15/98	78	62	0.49	0.0	0	TRW+	SSE	3.1	CLDY	0	5	20
06/16/98	77	62	0.47	0.0	0	TRW,RW,R-	W	6.7	CLDY	0	5	20
06/17/98	83	61	0.00	0.0	0		W	4.2	CLR	0	7	22
06/18/98	87	64	0.97	0.0	0	TRW+	S	6.8	CLDY	0	11	25
06/19/98	83	65	0.00	0.0	0		W	7.4	PC	0	9	24
06/20/98	82	65	0.00	0.0	0		S	5.6	CLDY	0	9	24
06/21/98	86	67	0.01	0.0	0	TRW-	SSW	3.3	PC	0	12	27
06/22/98	80	67	1.10	0.0	0	TRW,RW+,RW,F	S	3.3	CLDY	0	9	24
06/23/98	86	65	0.00	0.0	0	F	S	2.6	PC	0	11	26
06/24/98	91	70	0.00	0.0	0		S	6.5	PC	0	16	28
06/25/98	93*	74	0.00	0.0	0		SW	8.3	PC	0	19	30
06/26/98	93*	76	0.00	0.0	0		SW	7.5	PC	0	20*	31*
06/27/98	92	74	0.00	0.0	0		SW	7.3	PC	0	18	30
06/28/98	91	73	0.00	0.0	0	T	SW	5.6	PC	0	17	30
06/29/98	90	68	0.53	0.0	0	TRW,R	SW	5.8	CLDY	0	14	27
06/30/98	82	68	0.00	0.0	0		NW	6.6	CLDY	0	10	25
Tot/Ave	80.1	61.9	8.72	0.0			WSW	5.3		50	238	627
Dep	-2.8	+1.1	+4.65	+0.0			SW	-1.3		+34	+24	-1

==========Number of days and Departure==========

	Max Temp >=90	Max Temp <=32	Min Temp <=32	Min Temp <=0	Precipitation >=T	>=.01	>=.10	>=.50	>=1.00
Total	5	0	0	0	16	16	14	5	3
Dep	-1	+0	+0	+0	-	+7	+8	+2	+1

	Snow >=1.0	Sky Cover CLR	PC	CLDY
Total	0	3	12	15
Dep	+0	-7	+0	+7

	Weather Types F	T	IP	A	R	L	S	Z	Seas.Heat D D	Seas.Cool DD	Seas. Grow D D
Total	2	13	0	1	16	1	0	0	5195	361	1483
Dep	+0	+7	-	+0	+5	+0	+0	+0	-744	+65	+136

Jan- Jun
Precipitation
Tot 31.53
Dep +12.45

Weather Types: F=Fog; T=Thunder; IP= Ice Pellets; A=Hail; R=Rain; S=Snow; Z=Freezing Precip; RW=Rain Showers; SW= Snow Showers; L=Drizzle; T=Trace.
Intensities: + heavy, - light, absence of symbol indicates moderate.
Degree Days: Heat and Cool base 65F, Corn Growing base 50F with a cutoff at 86F. Averages based on 1961-1990 data. Snow depth at 7am LST. Sky Cover 7AM-7PM Other data mid-mid. Heat DD Season Jul-Jun. Cool and Corn Growing DD Season Jan-Dec.

Champaign, Il — Local Climatological Data — July 1998
Water Survey Research Center — Illinois State Water Survey — Summary

Date	Temp MX	Temp MN	Precip (In)	Sno (In	Snow Dep	Weather Types	Ave Wind Dir	Ave Wind Speed	Sky Cov	Degree Days H	Degree Days C	Degree Days Gr
07/01/98	83	64	0.00	0.0	0		W	2.3	PC	0	9	24
07/02/98	84	62	0.00	0.0	0		SE	2.2	PC	0	8	23
07/03/98	89	65	0.06	0.0	0	TRW	SSW	4.5	PC	0	12	26
07/04/98	83	65	0.71	0.0	0	TRW+	N	4.8	PC	0	9	24
07/05/98	83	64	0.00	0.0	0		E	3.2	PC	0	9	24
07/06/98	83	68	0.75	0.0	0	TRW+	SE	3.7	CLDY	0	11	26
07/07/98	81	72	0.75	0.0	0	TRW+,TRW,RW	W	2.4	CLDY	0	12	27
07/08/98	85	71	0.01	0.0	0	L-,F	N	2.2	CLDY	0	13	28
07/09/98	86	69	0.00	0.0	0	F	NW e	2.4e	CLR	0	13	28
07/10/98	84	68	0.00	0.0	0		NE	3.0	CLR	0	11	26
07/11/98	82	61	0.00	0.0	0		NE	3.3	CLR	0	7	22
07/12/98	82	58	0.00	0.0	0		SE	2.3	CLR	0	5	20
07/13/98	84	63	0.00	0.0	0		ESE	2.4	CLDY	0	9	24
07/14/98	85	68	0.00	0.0	0	F	SE	3.6	PC	0	12	27
07/15/98	82	66	0.00	0.0	0	F	SE	2.2	CLDY	0	9	24
07/16/98	88	68	0.00	0.0	0	F	N	3.6	PC	0	13	27
07/17/98	84	65	0.00	0.0	0		W	3.4	CLDY	0	10	25
07/18/98	85	65	0.00	0.0	0		S	2.0	CLR	0	10	25
07/19/98	94	69	0.00T	0.0	0	TRW-	SW	4.3	CLDY	0	17	28
07/20/98	88	76	0.01	0.0	0	RW-	S	4.6	PC	0	17	31
07/21/98	94	77	0.00	0.0	0		SW	7.5	PC	0	21	32
07/22/98	88	69	1.44	0.0	0	TRW+,TRW	SE	4.3	CLDY	0	14	28
07/23/98	82	65	0.00	0.0	0	F	NW	3.4	PC	0	9	24
07/24/98	80	59	0.00	0.0	0		N	2.7	PC	0	5	20
07/25/98	80	58	0.00	0.0	0		N	1.3	CLDY	0	4	19
07/26/98	80	59	0.00	0.0	0		S	2.8	CLDY	0	5	20
07/27/98	81	56	0.00	0.0	0	F	W	2.7	CLR	0	4	19
07/28/98	85	63	0.00	0.0	00	F	SW	5.5	PC	0	9	24
07/29/98	85	70	0.00	0.0	0		NE	3.4	CLR	0	13	28
07/30/98	70	60	0.46	0.0	0	R,R-,L-	NE	2.3	CLDY	0	0	15
07/31/98	81	59	0.00	0.0	0		NE	5.1	CLR	0	5	20
Tot/Ave	83.9	65.2	4.19	0.0			NE	3.3		0	305	758
Dep	-1.4	+0.4	-0.29	+0.0			SW	-1.6		-2	+0	+20

==========Number of days and Departure==========

	Max Temp >=90	Max Temp <=32	Min Temp <=32	Min Temp <=0	Precipitation >=T	>=.01	>=.10	>=.50	>=1.00
Total	2	0	0	0	9	8	5	4	1
Dep	-5	+0	+0	+0	-	-1	-2	+1	+0

	Snow >=1.0	Sky Cover CLR	PC	CLDY
Total	0	8	12	11
Dep	+0	-2	-1	+3

	Weather Types F	T	IP	A	R	L	S	Z
Total	8	6	0	0	8	2	0	0
Dep	+4	-1	-	+0	-3	+1	+0	+0

	Seas. Heat D D	Seas. Cool DD	Seas. Grow D D
	0	666	2241
	-2	+65	+156

Jan- Jun
Precipitation
Tot 35.72
Dep +12.16

Weather Types: F=Fog; T=Thunder; IP= Ice Pellets; A=Hail; R=Rain; S=Snow; Z=Freezing Precip; RW=Rain Showers; SW= Snow Showers; L=Drizzle; T=Trace.

Intensities: + heavy, - light, absence of symbol indicates moderate.
Degree Days: Heat and Cool base 65F, Corn Growing base 50F with a cutoff at 86F. Averages based on 1961-1990 data. Snow depth at 7am LST. Sky Cover 7AM-7PM

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Date	Temp MX	Temp MN	Precip (In)	Sno (In	Snow Dep	Weather Types	Ave Wind Dir	Ave Wind Speed	Sky Cov	Degree Days H	Degree Days C	Degree Days Gr
08/01/98	82	61	0.00	0.0	0		SE	3.2	PC	0*	7	22
08/02/98	82	59	0.00	0.0	0		E	2.1	CLR	0	6	21
08/03/98	82	66	0.22	0.0	0	TRW+	SE	3.0	CLDY	0	9	24
08/04/98	85	67	0.09	0.0	0	TRW-,F	S	4.1	CLDY	0	11	26
08/05/98	83	69	0.28	0.0	0	TRW,RW	S	3.4	CLDY	0	11	26
08/06/98	83	70	0.58*	0.0	0	RW+,F	S	3.7	CLDY	0	12	27
08/07/98	78	69	0.40	0.0	0	RW+,RW-,R-,L-,F	S	2.7	CLDY	0	9	24
08/08/98	81	70	0.00T	0.0	0	R-,L-,F	S	3.1	CLDY	0	11	26
08/09/98	83	69	0.18	0.0	0	TRW,F	W	1.5	CLDY	0	11	26
08/10/98	87	69	0.00	0.0	0	F	W	3.1	CLDY	0	13	28
08/11/98	82	68	0.00	0.0	0		NE	4.0	PC	0	10	25
08/12/98	82	64	0.00	0.0	0		NE	2.9	PC	0	8	23
08/13/98	80	64	0.00	0.0	0		NE	1.6	CLDY	0	7	22
08/14/98	83	59	0.00	0.0	0		W	1.9	PC	0	6	21
08/15/98	87	64	0.04	0.0	0	RW-,F	W	2.8	CLDY	0	11	25
08/16/98	87	66	0.00	0.0	0		NE	2.0	PC	0	12	26
08/17/98	87	65	0.00	0.0	0	F	SW	4.1	CLDY	0	11	26
08/18/98	87	66	0.07	0.0	0	TRW-,F	NE	3.2	CLDY	0	12	26
08/19/98	82	62	0.00	0.0	0	F	E	2.7	PC	0	7	22
08/20/98	86	58*	0.00	0.0	0		S	2.0	CLR	0	7	22
08/21/98	87	61	0.00	0.0	0	F	SW	2.6	CLR	0	9	24
08/22/98	88	67	0.00	0.0	0	F,H	SW	3.3	CLR	0	13	27
08/23/98	90	70	0.00	0.0	0	H	SW	7.1	CLR	0	15	28
08/24/98	93*	72	0.00	0.0	0	F	SW	6.9	CLR	0	18*	29*
08/25/98	88	69	0.00	0.0	0		N	5.2	PC	0	14	28
08/26/98	85	63	0.00	0.0	0		NE	1.8	CLR	0	9	24
08/27/98	86	66	0.00	0.0	0		SE	2.6	PC	0	11	26
08/28/98	82	67	0.08	0.0	0	RW+	WNW	2.9	CLDY	0	10	25
08/29/98	87	65	0.00	0.0	0	F	W	3.9	CLDY	0	11	26
08/30/98	89	66	0.00	0.0	0		W	4.1	PC	0	13	26
08/31/98	82	62	0.00	0.0	0		NE	2.0	CLR	0	7	22
Tot/Ave	84.7	65.6	1.94	0.0			NE	3.2		0	321	773
Dep	+1.7	+2.5	-2.08	+0.0			SW	-1.5		-7	+83	+94

==========Number of days and Departure==========

	Max Temp >=90	Max Temp <=32	Min Temp <=32	Min Temp <=0	Precipitation >=T	>=.01	>=.10	>=.50	>=1.00
Total	2	0	0	0	10	9	5	1	0
Dep	-2	+0	+0	+0	-	+0	-1	-2	-1

	Snow >=1.0	Sky Cover CLR	PC	CLDY
Total	0	8	9	14
Dep	+0	-2	-3	+5

	Weather Types F	T	IP	A	R	L	S	Z	Seas.Heat D D	Seas.Cool DD	Seas. Grow D D
Total	14	5	0	0	10	2	0	0	0	987	3014
Dep	+8	-1	-	+0	-1	+1	+0	+0	-9	+148	+250

Jan- Aug
Precipitation
Tot 37.66
Dep +10.08

Weather Types: F=Fog; T=Thunder; IP= Ice Pellets; A=Hail; R=Rain; S=Snow; Z=Freezing Precip; RW=Rain Showers; SW= Snow Showers; L=Drizzle; T=Trace.
Intensities: + heavy, - light, absence of symbol indicates moderate.

Degree Days: Heat and Cool base 65F, Corn Growing base 50F with a cutoff at

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Date	Temp MX	Temp MN	Precip (In)	Sno (In	Snow Dep	Weather Types	Ave Wind Dir	Ave Wind Speed	Sky Cov	Degree Days H	Degree Days C	Degree Days Gr
09/01/98	81	60	.00	0.0	0		W	2.4	PC	0	6	21
09/02/98	80	58	0.02	0.0	0	R-,L-	W	3.2	CLR	0	4	19
09/03/98	89	58	.00	0.0	0		SW	4.6	CLR	0	9	22
09/04/98	87	62	.00	0.0	0	F	NE	3.9	CLR	0	10	24
09/05/98	94	61	.00	0.0	0		S	4.1	CLR	0	13	24
09/06/98	96*	66	.00	0.0	0		SW	5.7	CLR	0	16*	26
09/07/98	86	57	.00	0.0	0		NE	4.0	PC	0	7	22
09/08/98	75	55	.00	0.0	0		N	4.6	CLR	0	0	15
09/09/98	76	53	.00	0.0	0		NE	2.7	CLR	0	0	15
09/10/98	81	49	.00	0.0	0		S	1.7	CLR	0	0	16
09/11/98	87	51	.00	0.0	0		SW	3.2	CLR	0	4	19
09/12/98	92	53	.00	0.0	0		W	2.7	CLR	0	8	20
09/13/98	92	58	.00	0.0	0		S	2.4	PC	0	10	22
09/14/98	87	69	T	0.0	0	R-,L-	S	8.0	CLDY	0	13	28*
09/15/98	81	68	T	0.0	0	R-,L-	SW	6.2	CLDY	0	10	25
09/16/98	86	67	.00	0.0	0		NE	2.0	CLDY	0	12	27
09/17/98	81	66	T	0.0	0	R-	NE	2.0	CLDY	0	9	24
09/18/98	87	65	.00	0.0	0		E	1.9	CLDY	0	11	26
09/19/98	90	62	.00	0.0	0		SW	2.8	PC	0	11	24
09/20/98	88	62	1.33*	0.0	0	TRW+,TRW,RW,R	SE	2.7	CLDY	0	10	24
09/21/98	82	62	0.01	0.0	0	R-,L-,F	NE	4.0	PC	0	7	22
09/22/98	77	52	.00	0.0	0		N	4.8	PC	0	0	15
09/23/98	71	48*	.00	0.0	0		NE	2.7	CLR	5*	0	11
09/24/98	72	48*	0.33	0.0	0	R,R-,L-,F	SE	3.3	CLDY	5*	0	11
09/25/98	85	61	T	0.0	0	R-,L-,F	SSW	4.5	CLDY	0	8	23
09/26/98	90	66	.00	0.0	0		SW	9.1	CLR	0	13	26
09/27/98	91	65	T	0.0	0	R-	WSW	6.7	PC	0	13	26
09/28/98	82	60	.00	0.0	0	F	ENE	1.9	PC	0	6	21
09/29/98	85	56	0.01	0.0	0	RW-	SE	3.3	PC	0	6	21
09/30/98	79	57	0.49	0.0	0	TRW+,F	N	4.4	CLDY	0	3	18
Tot/Ave	84.3	59.2	2.19	0.0			NE	3.9		10	219	637
Dep	+6.6	+4.0	-1.17	+0.0			SW	-1.2		-71	+102	+137

==========Number of days and Departure==========

	Max Temp >=90	Max Temp <=32	Min Temp <=32	Min Temp <=0	Precipitation >=T	>=.01	>=.10	>=.50	>=1.00
Total	7	0	0	0	11	6	3	1	1
Dep	+5	+0	+0	+0	-	-3	-2	-1	+0

	Snow >=1.0	Sky Cover CLR	PC	CLDY	Jan- Sep precipitation
Total	0	12	9	9	39.85
Dep	+0	+1	+0	-1	+8.91

	Weather Types F	T	IP	A	R	L	S	Z	Seas.Heat D D	Seas.Cool DD	Seas. Grow D D
Total	6	1	0	0	11	6	0	0	10	1206	3651
Dep	+1	-2	-	+0	+1	+3	+0	+0	-80	+250	+387

Weather Types: F=Fog; T=Thunder; IP= Ice Pellets; A=Hail; R=Rain; S=Snow; Z=Freezing Precip; RW=Rain Showers; SW= Snow Showers; L=Drizzle; T=Trace.
Intensities: + heavy, - light, absence of symbol indicates moderate.
Degree Days: Heat and Cool base 65F, Corn Growing base 50F with a cutoff at 86F. Averages based on 1961-1990 data. Snow depth at 7am LST. Sky Cover 7AM-7PM Other data mid-mid. Heat DD Season Jul-Jun. Cool and Corn Growing DD Season Jan-Dec.

Remarks: Warmer than average month. 5th highest average monthly maximum temp (record:86.9F/1897), 7th highest ave monthly minimum temp (record 62.3F/1925) 3rd highest average monthly mean temp (record:72.2F/1925,1933). Tied with

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Date	Temp Max	Temp Min	Precip (in)	Snow (in)	Weather Types	Ave Dir	Wind Speed	Sky Cover	Degree Days Heat	Degree Days Cool
1	65	45	.00	.0		N	4.3	CLR	10	0
2	65	46	T	.0	RW,RW-	NE	3.3	CLDY	9	0
3	55	49	0.15	.0	R-,RW-,L-	NE	4.1	CLDY	13	0
4	64	50	.00	.0		NE	3.6	CLDY	8	0
5	80	59	1.15*	.0	TRW+,RW+,R-,L-,F	SE	7.0	CLDY	0	5
6	74	53	0.34	.0	RW,R-,L-	S	5.9	CLDY	1	0
7	65	52	0.04	.0	R-,L-,F	NW	5.7	CLDY	6	0
8	60	48	.00	.0		N	3.4	CLDY	11	0
9	62	43	.00	.0		N	2.0	CLR	12	0
10	68	39	.00	.0		ESE	1.4	CLR	11	0
11	72	45	.00	.0		SE	2.3	CLR	6	0
12	74	47	.00	.0	F	NW	2.8	PC	4	0
13	66	40	.00	.0		W	4.2	CLR	12	0
14	65	38	.00	.0		E	1.6	CLR	13	0
15	75	47	0.03	.0	RW-	SE	4.9	CLDY	4	0
16	82*	50	T	.0	R-	SE	6.8	CLDY	0	1
17	76	63	0.08	.0	R-,RW-	S	13.3	CLDY	0	5
18	64	43	0.38	.0	R,RW	W	7.5	PC	11	0
19	66	39	.00	.0		W	3.7	CLR	12	0
20	62	39	.00	.0		NW	3.0	CLR	14	0
21	60	38	0.02	.0	R-	N	5.1	CLDY	16	0
22	56	32	.00	.0		N	2.5	CLR	21*	0
23	62	31*	.00	.0		SW	2.9	CLR	18	0
24	66	33	.00	.0		SW	3.7	CLR	15	0
25	71	39	.00	.0		S	3.1	CLR	10	0
26	76	45	.00	.0		SW	3.0	PC	4	0
27	77	49	0.32	.0	TRW,R,R-	SW	5.3	CLDY	2	0
28	65	51	.00	.0		W	3.4	CLDY	7	0
29	71	49	0.42	.0	TRW+,TRW,R-,L-,F	SE	3.8	CLDY	5	0
30	64	53	.00	.0		NW	4.6	CLDY	6	0
31	59	53	0.01	.0	RW-,R-	NNE	3.8	CLDY	10	0
T/Av	67.3	45.4	2.94	0.0		SE	4.3		270	11
Dep	+2.2	+1.6	+0.26	+0.0		S	-1.8		-79	-5

Number of Days and Departure

	Max Temp >=90	Max Temp <=32	Min Temp <=32	Min Temp <=0	Precipitation >=T	>=.01	>=.10	>=.50	>=1.00	Snow >=1.0	Sky Cover CLR	PC	CLDY
Tot	0	0	2	0	13	11	6	1	1	0	12	3	16
Dep	+0	+0	-1	+0	-	+2	+0	-1	+0	+0	+0	-5	+5

	Weather Types F	T	IP	A	R	L	S	Z	Seasonal Heat Degree Days	Seasonal Cool Degree Days	Jan-Oct Precip
Total	4	3	0	0	13	5	0	0	280	1217	42.79
Dep	+0	+1	-	+0	+3	+1	+0	+0	-159	+245	+9.17

Weather Types:F=Fog;T=Thunder;IP=Ice Pellets;A=Hail;R=R=Rain;S=Snow;Z=Freezing Precip;RW=Rain Showers;SW= Snow Showers; L=Drizzle; T=Trace. Intensities: + heavy,- light, absence of symbol indicates moderate.Degree Days: Heat and Cool base 65F,Corn Growing base 50F with a cutoff at 86F. Averages based on 1961-1990 data. Snowdepth at 7am LST. Sky Cover 7AM-7PM LST.Other data mid-mid. Heat DD Season Jul-Jun.Cool and Corn Growing DD Season Jan-Dec.

Remarks:Slightly warmer than average for October. No temperature or precipitation records set this month.

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Day	Temp MX	Temp MN	Precip (in)	Snow (in)	Weather Types	Ave Wind Dir	Ave Wind Sp	Sky Cover	Dg.Days H	Dg.Days C	Peak Gust	Peak Dir
1	58	52	.00	.0		NE	5.4	CLDY	10	0*	15.6	NE
2	52	45	0.74*	.0	R,R-,L-	NE	9.9	CLDY	16	0	25.1	NE
3	45	36	0.39	T*	R,R-,L-,IP	NE	8.4	CLDY	24	0	24.9	NE
4	40	32	.00	.0		NE	5.3	CLDY	29	0	15.7	NE
5	41	36	.00	.0		N	3.7	CLDY	26	0	12.5	NW
6	39	28	.00	.0		NW	3.7	CLR	31*	0	14.4	W
7	42	24	0.04	T*	R-,L-,SW-IP	SSW	1.5	PC	32	0	11.5	SW
8	43	34	0.02	.0	R-,L-	E	1.5	CLDY	26	0	5.8	SE
9	52	40	0.58	.0	TRW,R,R-,L-	SE	7.4	CLDY	19	0	21.1	SE
10	63	40	0.30	.0	TRW+,TRW,R	SW	19.8	CLDY	13	0	40.9	SW*
11	47	31	.00	.0		W	11.0	PC	26	0	29.5	SW
12	56	31	.00	.0		SW	6.1	CLDY	21	0	20.6	SW
13	55	37	.00	.0		SW	4.1	CLR	19	0	12.8	SW
14	64	37	.00	.0		SW	8.9	PC	14	0	25.2	SW
15	44	33	.00	.0		NW	4.6	CLDY	26	0	13.6	NW
16	59	31	.00	.0		NW	9.0	CLDY	20	0	25.5	SW
17	50	35	.00	.0		SE	3.8	PC	22	0	18.3	NW
18	60	32	.00	.0		SE	9.4	PC	19	0	23.9	SE
19	52	39	.00	.0		W	10.3	CLR	19	0	23.4	W
20	45	26	.00	.0		W	6.3	PC	29	0	23.4	W
21	47	21*	.00	.0		W	4.2	CLR	31	0	12.3	S
22	57	32	.00	.0		S	12.8	PC	20	0	31.7	SW
23	64	40	.00	.0		NW	9.3	CLR	13	0	26.3	W
24	58	29	.00	.0		SE	3.8	PC	21	0	12.3	S
25	53	37	0.19	.0	RW,RW-,TRW-	S	6.9	CLDY	20	0	16.9	NW
26	62	33	.00	.0		W	6.8	CLR	17	0	16.2	SW
27	64	32	.00	.0		S	4.2	CLR	17	0	15.1	S
28	68*	37	.00	.0		SSW	6.5	PC	12	0	17.1	SW
29	66	56	.00	.0		S	14.8	CLDY	4	0	30.6	S
30	60	40	0.17	.0	R,R-,L-,F	S	12.8	CLDY	15	0	29.9	SW
T/Av	53.5	35.2	2.43	T		S	7.4		611	0		
Dep	+3.2	+1.4	-0.67	-2.2		SW	-0.1		-85	+0		

Number of Days and Departure

	Max Temp >=90	Max Temp <=32	Min Temp <=32	Min Temp <=0	Precipitation >=T	Precipitation >=.01	Precipitation >=.10	Precipitation >=.50	Precipitation >=1.00	Snow >=1.0	Sky Cover CLR	Sky Cover PC	Sky Cover CLDY
Tot	0	0	12	0	8	8	6	2	0	0	7	9	14
Dep	+0	-1	-2	+0	-	-2	+0	+0	-1	-1	+0	-1	-1

	Weather Types F	T	IP	A	R	L	S	Z	Seasonal Heat Degree Days	Seasonal Cool Degree Days	Jan-Nov Precipitation
Total	1	3	2	0	8	6	1	0	891	1217	45.22
Dep	-3	+2	-	+0	-1	+1	-3	-1	-244	+245	+8.50

Weather Types: F=Fog; T=Thunder; IP= Ice Pellets; A=Hail; R=Rain; S=Snow; Z=Freezing Precip; RW=Rain Showers; SW= Snow Showers; L=Drizzle; T=Trace. Intensities: + heavy, - light, absence of symbol indicates moderate. Degree Days: Heat and Cool base 65F, Corn Growing base 50F with a cutoff at 86F. Averages based on 1961-1990 data. Snow depth at 7am LST. Sky Cover 7AM-7PM LST. Other data midnight-midnight. Heat DD Season Jul-Jun. Cool and Corn Growing DD Season Jan-Dec.

Remarks: Warmer than average November for C-U. Fall Stats (S,O,N): Average temperature 68.4F, 4.0F above the 30-year average, also 6th warmest average high temperature for fall. Record warmest was 70.7F set in 1953. Average minimum temperature was 46.6F, 2.3F above average, also tied for 6th warmest average minimum temperature for fall. Record warmest was 51.2F, set in 1931. Average mean temperature was 57.5F, 3.1F above average, tied for 7th

Champaign, IL — Local Climatological Data — December 1998
Water Survey Research Center — Ill State Water Survey — Summary

Day	Temp MX	Temp MN	Precip (in)	Snow (in)	Snow Dep	Weather Types	Ave Wind Dir	Ave Wind Sp	Sky Cover	Dg.Days H	Dg.Days C	Peak Gust	Peak Dir
1	56	33	.00	.0	0	F	S	6.8	CLR	20	0	17.8	S
2	62	39	.00	.0	0		S	9.4	CLR	14	0	18.5	SW
3	67	52	.00	.0	0		SW	9.6	CLDY	5	0	20.5	SW
4	71*	60	T	.0	0	L-	S	8.0	CLDY	0	1*	17.5	S
5	64	55	T	.0	0	L-	S	9.6	CLDY	5	0	20.5	S
6	69	42	0.30*	.0	0	R-,RW,L-	S	13.1	CLDY	9	0	34.3	S
7	43	38	.00	.0	0		N	6.9	CLDY	24	0	23.1	N
8	42	28	.00	.0	0	F	NW	4.5	PC	30	0	12.4	W
9	47	26	.00	.0	0		W	3.2	CLR	28	0	13.2	W
10	42	26	.00	.0	0		WNW	3.4	PC	31	0	10.2	NW
11	45	21	.00	.0	0		S	2.0	PC	32	0	8.8	S
12	51	24	.00	.0	0		SE	1.5	PC	27	0	7.1	N
13	49	27	.00	.0	0		N	5.0	PC	27	0	15.5	N
14	48	27	.00	.0	0	F	N	2.8	CLR	27	0	9.7	N
15	55	26	.00	.0	0		SW	5.5	CLR	24	0	16.8	SW
16	42	30	0.01	T	0	RW-,L-,SW-	NW	4.7	CLDY	29	0	15.7	NW
17	39	26	.00	.0	0		NW	5.9	CLR	32	0	18.9	W
18	51	29	0.11	.0	0	R,R-,L-	S	16.2	CLDY	25	0	44.0*	S
19	42	34	0.06	.0	0	R-,L-	N	6.4	CLDY	27	0	21.6	SW
20	38	34	0.03	.0	0	R-,L-	NE	3.7	CLDY	29	0	12.8	E
21	38	14	0.21	0.1	0	R-,L-,ZL-,IP-,S-	NW	8.3	CLDY	39	0	23.9	NW
22	15	5	.00	.0	T		NW	6.4	CLR	55	0	25.8	NW
23	22	8	.00	.0	T		W	3.1	PC	50	0	11.2	W
24	28	12	.00	.0	T		NW	3.8	CLR	45	0	14.0	W
25	32	11	.00	.0	T		SW	9.2	CLR	43	0	24.0	SW
26	34	19	.00	.0	0		W	5.1	PC	38	0	13.8	SW
27	42	27	.00	.0	0		SW	8.8	CLDY	30	0	23.5	SW
28	43	23	.00	.0	0		S	4.8	CLR	32	0	13.8	S
29	37	11	T	T	0	L-,ZL-,SG-,S-	NW	10.4	CLDY	41	0	26.2	N
30	14	2	0.17	5*	T	S	NW	4.8	CLDY	57	0	16.9	N
31	14	0*	.00	0	5*		W	4.8	PC	58*	0	14.5	W
T/Av	43.3	26.1	0.89	5.1			S	6.4		933	1		
Dep	+6.8	+4.1	-2.13	-0.9			S	-1.5		-184	+1		

Number of Days and Departure

	Max Temp >=90	Max Temp <=32	Min Temp <=32	Min Temp <=0	Precipitation >=T	Precipitation >=.01	Precipitation >=.10	Precipitation >=.50	Precipitation >=1.00	Snow >=1.0	Sky Cover CLR	Sky Cover PC	Sky Cover CLDY
Tot	0	6	22	1	10	7	4	0	0	1	10	8	13
Dep	+0	-5	-4	-1	-	-4	-2	-2	-1	-1	+3	+1	-4

	Weather Types F	T	IP	A	R	L	S	Z	Seasonal Heat Degree Days	Seasonal Cool Degree Days	Jan-Dec Precipitation
Total	4	0	1	0	6	9	4	2	1824	1218	46.11
Dep	-2	-1	-	+0	-2	+6	-5	-1	-428	+246	+6.37

Weather Types: F=Fog; T=Thunder; IP= Ice Pellets; A=Hail; R=Rain; S=Snow; Z=Freezing Precip; RW=Rain Showers; SW= Snow Showers; L=Drizzle; T=Trace. Intensities: + heavy, - light, absence of symbol indicates moderate. Degree Days: Heat and Cool base 65F, Corn Growing base 50F with a cutoff at 86F. Averages based on 1961-1990 data. Snow depth at 7am LST. Sky Cover 7AM-7PM LST,. Other data mid-mid. Heat DD Season Jul-Jun. Cool and Corn Growing DD Season Jan-Dec.

Remarks: Very warm Dec. Several records set. On the 3rd, new rec high min temp was set (old rec 50/1982). On the 4th, new rec max and rec high min temp set (old rec max 64/1916, old rec high min 50/1916). On the 5th, new rec high min temp (old rec 53/1956), and on the 6th, new rec max temp (old rec 66/1980). New record number of consecutive days with max temp of 60F or greater was set from Dec 2-6. The old record was 4, from Dec 14-17, 1948. Mean daily temps ranged

Illinois State Water Survey
Water Survey Research Center

Local Climatological Data
Champaign-Urbana, IL - 118740
January 1999

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1/1/1999	18	-2	8	0.74	5.0	5	S	E	4.4	19.5	NE	CLDY	57	0
1/2/1999	28	16	22	1.18	10.0	13	S,S-,BS	E	7.6	25.3	W	CLDY	43	0
1/3/1999	19	4	12	T	T	16	SW-	W	15.1	31.0	W	PC	53	0
1/4/1999	4	-10	-3	0.00	0.0	16		W	8.8	22.1	W	PC	68	0
1/5/1999	22	-25	-2	T	T	16	SW-	S	6.7	22.6	S	CLR	67	0
1/6/1999	34	10	22	0.01	0.1	16	SW-	SW	10.5	23.3	NW	CLDY	43	0
1/7/1999	10	-1	5	0.01	0.1	16	S-	NW	3.9	15.0	N	PC	60	0
1/8/1999	18	10	14	0.11	3.0	15	S,S-	NE	6.6	18.6	NW	CLDY	51	0
1/9/1999	15	-15	0	0.00	0.0	17		NW	6.4	18.1	NW	CLR	65	0
1/10/1999	17	-4	7	0.00	0.0	17		W	11.7	28.9	W	CLR	58	0
1/11/1999	34	5	20	0.02	0.5	17	S-	SSW	10.2	25.3	S	CLDY	45	0
1/12/1999	40	32	36	0.12	T	16	S-,R-,IP-,ZR-,ZL-,L-,F	NE	3.9	17.3	NE	CLDY	29	0
1/13/1999	32	16	24	0.07	T	14	S-,IP-,ZR-,ZL-	NE	4.2	13.1	NE	CLDY	41	0
1/14/1999	16	12	14	T	T	14	SW-	NE	3.0	8.5	NE	CLDY	51	0
1/15/1999	30	16	23	T	T	14	SW-	S	10.3	23.9	S	CLDY	42	0
1/16/1999	43	26	35	T	0.0	13	R-,F	SW	7.2	19.7	W	CLDY	30	0
1/17/1999	40	26	33	0.73	0.0	13	TRW,TRW-	S	7.6	25.7	W	CLDY	32	0
1/18/1999	35	28	32	T	T	11	SW-, BS	W	14.0	33.8	W	CLDY	33	0
1/19/1999	37	20	29	T	T	11	SG-	NE	4.1	15.3	SE	CLDY	36	0
1/20/1999	41	25	33	0.00	0.0	10		NE	3.1	10.4	NE	CLDY	32	0
1/21/1999	44	36	40	0.35	0.0	9	L-,TRW+,R-,F	NE	4.7	19.1	NE	CLDY	25	0
1/22/1999	46	39	43	0.46	0.0	6	TRW,R-,L-,F	SE	3.9	21.6	SE	CLDY	22	0
1/23/1999	52	32	42	0.34	0.0	2	R-,R,L-	W	10.1	25.3	W	CLDY	23	0
1/24/1999	36	32	34	0.00	0.0	T		W	7.9	22.7	W	CLDY	31	0
1/25/1999	35	26	31	0.00	0.0	T		NW	5.8	17.1	W	CLDY	34	0
1/26/1999	45	23	34	0.00	0.0	T		SE	6.1	16.8	SE	PC	31	0
1/27/1999	62	35	49	0.00	0.0	0		S	10.1	25.7	W	PC	16	0
1/28/1999	38	31	35	0.00	0.0	0		NW	6.3	15.6	N	CLDY	30	0
1/29/1999	41	30	36	0.00	0.0	0		NE	4.5	12.8	NE	CLDY	29	0
1/30/1999	51	29	40	0.00	0.0	0		NE	6.6	20.3	NE	PC	25	0
1/31/1999	39	32	36	0.74	0.0	0	ZR-,R,R-,L-	ENE	6.3	21.9	NE	CLDY	29	0
AVG/TOT	**33.0**	**17.2**	**25.1**	**4.88**	**18.7**			**NE**	**7.1**				**1231**	**0**
DEP.	+1.3	+1.2	+1.2	+3.05	+10.6			W	-1.2				-52	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	12	28	6	20	13	9	4	1	3	3	6	22
DEP	0	-4	-1	+2		+4	+4	+3	+1	0	-5	-3	+8

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-January
TOTAL	7	4	14	3	2	0	3	4	0	0	3	3055	0	4.88
DEP	+2	+1	+4	+1		0	+2	0				-480	0	+3.05

Averages based on 1961-1990 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:
=Trace
R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T"
Moderate
+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F. Heating DD season July-June. Cool and Corn DD season January-December.

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

February 1999

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
2/1/1999	46	39	43	T	0.0	0	R-,L-,F	S	7.1	16.6	S	CLDY	22	0
2/2/1999	45	31	38	0.09	0.0	0	R-,L-	WSW	10.2	28.5	W	PC	27	0
2/3/1999	47	32	40	T	0.0	0	RW-	S	12.9	31.8	S	CLDY	25	0
2/4/1999	41	22	32	0.00	0.0	0		W	9.9	28.9	W	CLR	33	0
2/5/1999	46	21	34	T	0.0	0	R-,L-	S	9.7	23.0	S	PC	31	0
2/6/1999	53	37	45	0.00	0.0	0		NE	5.8	21.0	SW	CLR	20	0
2/7/1999	42	29	36	1.46	0.5	0	R-,L-,S	NE	8.6	33.8	NE	CLDY	29	0
2/8/1999	52	29	41	0.00	0.0	0	F	S	9.4	22.8	S	PC	24	0
2/9/1999	55	36	46	0.00	0.0	0		N	4.0	14.2	N	CLR	19	0
2/10/1999	60	33	47	0.00	0.0	0		SE	6.6	20.1	SE	CLR	18	0
2/11/1999	70	30	50	0.33	0.0	0	TRW,R	S	20.6	55.2	S	PC	15	0
2/12/1999	36	19	28	0.01	0.2	0	R-,L-,SW-	W	14.4	33.3	W	CLDY	37	0
2/13/1999	34	14	24	T	T	T	SW-	NW	6.5	21.8	NW	PC	41	0
2/14/1999	44	20	32	0.00	0.0	0		S	10.1	25.8	S	CLR	33	0
2/15/1999	55	30	43	0.00	0.0	0		S	12.8	32.9	S	PC	22	0
2/16/1999	43	33	38	0.23	T	T	R-,L-,SW-	W	7.3	17.9	W	CLDY	27	0
2/17/1999	33	24	29	T	T	0	SW-	W	5.8	17.0	NW	PC	36	0
2/18/1999	36	22	29	0.00	0.0	0		NE	3.0	10.6	NE	CLDY	36	0
2/19/1999	36	27	32	0.00	0.0	0		NE	5.8	14.4	N	CLDY	33	0
2/20/1999	33	26	30	0.00	0.0	0		NE	6.8	18.8	NE	CLDY	35	0
2/21/1999	35	22	29	0.00	0.0	0		N	7.4	18.6	N	CLR	36	0
2/22/1999	35	19	27	0.00	0.0	0		SE	4.7	14.8	SE	PC	38	0
2/23/1999	33	25	29	0.05	0.4	T	S-	SE	5.8	18.0	SE	CLDY	36	0
2/24/1999	35	26	31	0.21	1.7	T	S,S-	S	5.8	20.2	S	CLDY	34	0
2/25/1999	33	28	31	0.00	0.0	1		N	3.2	12.6	NW	CLDY	34	0
2/26/1999	46	25	36	0.07	0.0	T	RW-	SE	8.6	21.2	SE	PC	29	0
2/27/1999	59	40	50	0.03	0.0	0	R-	W	8.0	21.7	S	CLDY	15	0
2/28/1999	42	36	39	T	T	0	S-	W	11.8	29.0	W	CLDY	26	0
AVG/TOT	**43.8**	**27.7**	**35.7**	**2.48**	**2.8**			**S**	**8.3**				**811**	**0**
DEP.	+7.5	+7.4	+7.4	+0.51	-4.2			S	+0.				-231	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	21	0	15	9	4	1	1	1	6	9	13
DEP	0	-11	-3	-2		0	0	0	+1	-1	-2	+2	0

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-February
TOTAL	10	6	8	0	0	0	1	2	0	0	0	3866	0	7.36
DEP	+5	+	-1	-2		0		-2				-711	0	+3.56

Averages based on 1961-1990 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Moderate + Heavy

Precip amount "T" =Trace

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F. Heating DD season July-June. Cool and Corn DD season January-December.

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

March 1999

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
3/1/1999	50	29	40	0.00	0.0	0		W	5.6	20.8	NW	PC	25	0
3/2/1999	43	32	38	0.67	0.0	0	R-,RW-	NW	6.2	23.3	NW	CLDY	27	0
3/3/1999	34	27	31	0.00	0.0	0		NW	10.	28.4	N	CLDY	34	0
3/4/1999	43	22	33	0.00	0.0	0		SE	5.6	15.5	SE	PC	32	0
3/5/1999	46	34	40	0.40	0.0	0	R,R-,L-	SE	6.0	19.8	S	CLDY	25	0
3/6/1999	34	20	27	0.02	0.2	0	S,SW-	N	11.	24.8	N	CLDY	38	0
3/7/1999	34	18	26	0.00	0.0	0		E	4.9	14.8	NE	CLR	39	0
3/8/1999	33	21	27	0.39	2.0	0	S+,S,SW-,ZR-,ZL-	E	6.8	34.7	E	CLDY	38	0
3/9/1999	34	28	31	0.41	3.0	5	L-,F,ZL-,SW-	NW	4.6	15.0	NW	CLDY	34	0
3/10/1999	32	23	28	0.00	0.0	4		NE	7.1	18.2	NE	CLR	37	0
3/11/1999	35	23	29	0.00	0.0	2		N	4.5	13.1	N	PC	36	0
3/12/1999	40	24	32	0.00	0.0	2		NE	5.1	14.2	NE	CLR	33	0
3/13/1999	35	27	31	0.00	0.0	T		NE	8.1	19.4	NE	CLDY	34	0
3/14/1999	40	26	33	0.00	0.0	T		NE	11.	25.1	N	CLR	32	0
3/15/1999	47	26	37	0.00	0.0	T		N	4.2	12.5	SW	CLR	28	0
3/16/1999	65	28	47	0.00	0.0	0		SSW	11.	26.5	SW	CLR	18	0
3/17/1999	70	39	55	0.00	0.0	0		SW	13.	31.5	SW	CLR	10	0
3/18/1999	51	33	42	0.00	0.0	0		NW	8.5	25.1	NW	CLR	23	0
3/19/1999	48	27	38	0.00	0.0	0		NE	4.1	14.0	NE	CLR	27	0
3/20/1999	54	27	41	0.00	0.0	0		NE	3.0	10.7	SE	CLR	24	0
3/21/1999	50	33	42	0.00	0.0	0		NW	8.6	23.1	NW	CLR	23	0
3/22/1999	46	26	36	0.00	0.0	0		N	3.9	14.0	NW	PC	29	0
3/23/1999	56	31	44	0.00	0.0	0		SW	3.2	12.9	SE	PC	21	0
3/24/1999	52	32	42	0.00	0.0	0		N	6.8	18.2	N	CLR	23	0
3/25/1999	45	25	35	0.00	0.0	0		NE	6.4	20.5	NE	CLDY	30	0
3/26/1999	50	29	40	0.00	0.0	0		NE	5.3	16.1	NE	PC	25	0
3/27/1999	59	26	43	0.00	0.0	0		SE	3.1	13.5	SE	CLR	22	0
3/28/1999	53	29	41	T	0.0	0	L-,R-	WSW	6.4	23.1	SW	CLDY	24	0
3/29/1999	64	35	50	0.00	0.0	0		NW	3.7	17.0	NW	CLR	15	0
3/30/1999	71	35	53	0.00	0.0	0		S	7.7	24.9	S	CLR	12	0
3/31/1999	66	35	51	0.01	0.0	0	L-,RW-	S	9.9	28.4	S	CLDY	14	0
AVG/TOT	**47.7**	**28.1**	**37.9**	**1.90**	**5.2**			**NE**	**6.7**				**832**	**0**
DEP.	-1.1	-3.0	-2.1	-1.40	+1.1			S	-1.9				+47	-1

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	1	24	0	7	6	4	1	0	2	15	6	10
DEP	0	-2	+6	0		-6	-3	-1	-1	+1	+8	-3	-5

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-March
TOTAL	4	4	3	2	0	0	0	1	0	0	0	4698	0	9.26
DEP	-6	0	-3	+		-	-3	-3				-664	-1	+2.16

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data M = Missing

WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T"
+

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F. Heating DD season July-June. Cool and Corn DD season

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

April 1999

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool	Corn
1	66	48	57	T	0.0	0	F,L-	S	8.5	21.6	S	CLDY	8	0	8
2	78	47	63	0.00	0.0	0	F	S	7.0	21.9	S	CLDY	2	0	14
3	69	53	61	0.13	0.0	0	TRW-,L-,F	SE	6.8	27.6	S	CLDY	4	0	11
4	66	51	59	0.10	0.0	0	RW,R	W	8.4	27.2	SW	CLR	6	0	9
5	67	45	56	0.17	0.0	0	TRW,R-,L-,F	SE	9.5	24.5	SE	CLDY	9	0	9
6	62	41	52	0.00	0.0	0		W	14.	37.2	W	CLDY	13	0	6
7	75	36	56	0.00	0.0	0		S	10.	33.4	S	CLR	9	0	13
8	74	47	61	0.61	0.0	0	TRW+,TRW-,RW-	SE	7.3	43.4	W	CLDY	4	0	12
9	60	44	52	0.01	0.0	0	R-,L-	WNW	9.6	25.4	W	CLDY	13	0	5
10	66	42	54	0.56	0.0	0	TRW+,RW+,A	SE	6.8	24.9	SE	CLDY	11	0	8
11	54	44	49	0.00	0.0	0		W	12.	35.1	W	CLDY	16	0	2
12	51	38	45	0.00	0.0	0		N	5.5	14.6	N	CLDY	20	0	1
13	59	37	48	0.00	0.0	0	F	NW	2.1	11.6	N	PC	17	0	5
14	64	40	52	0.00	0.0	0		SE	4.6	17.1	SE	CLDY	13	0	7
15	52	40	46	1.77	0.0	0	R+,R,RW,L-	E	7.6	31.4	W	CLDY	19	0	1
16	40	34	37	0.46	T	0	R,RW,L-,SW-	W	19.	37.1	W	CLDY	28	0	0
17	45	34	40	0.05	0.0	0	R-,L-	W	7.6	19.4	W	CLDY	25	0	0
18	52	36	44	0.01	0.0	0	L-	W	7.2	19.4	W	PC	21	0	1
19	64	35	50	0.00	0.0	0		E	3.8	15.1	W	PC	15	0	7
20	62	36	49	0.14	0.0	0	TRW+,RW+,R,L-	SE	5.7	16.9	S	PC	16	0	6
21	75	49	62	0.41	0.0	0	TRW+,R,RW-	S	6.2	16.7	SW	CLDY	3	0	13
22	76	56	66	T	0.0	0	RW-	S	11.	28.6	S	CLDY	0	1	16
23	66	44	55	T	0.0	0	RW-	NE	10.	22.4	W	CLDY	10	0	8
24	62	40	51	0.00	0.0	0		NE	6.4	16.6	NE	CLR	14	0	6
25	65	38	52	0.00	0.0	0		SE	3.9	14.5	SE	PC	13	0	8
26	65	48	57	0.07	0.0	0	R-,L-	E	2.7	11.8	SE	CLDY	8	0	8
27	71	50	61	0.28	0.0	0	RW+,R-,RW,F	SE	6.1	15.9	NE	CLDY	4	0	11
28	57	48	53	0.00	0.0	0		NE	6.8	19.0	NE	CLDY	12	0	4
29	67	46	57	0.00	0.0	0		NE	8.9	21.6	NE	CLR	8	0	9
30	70	42	56	0.00	0.0	0		NE	6.2	19.0	NE	CLR	9	0	10
AVG/TOT	**63.3**	**43.0**	**53.2**	**4.77**	**0.0**			**NE**	**7.8**				**350**	**1**	**218**
DEP.	+0.9	+1.6	+1.3	+0.83	-1.0			S	-0.7				-61	-9	+12

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	0	0	17	14	10	3	1	0	5	5	20
DEP	0	0	-5	0		+2	+2	+1	0		-3	-4	+7

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	CORN	PRECIPITATION JAN-April
TOTAL	15	10	1	0	0	1	6	6	0	0	0	5048	1	313	14.03
DEP	+2	+	-1			0	+	+				-725	-10	+17	+2.99

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data M = Missing

WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T"
+

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F. Heating DD season July-June. Cool and Corn DD season

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

May 1999

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool	Corn
1	74	44	59	0.00	0.0	0		NE	3.6	15.8	N	CLR	6	0	12
2	77	48	63	0.00	0.0	0		NE	3.1	16.1	S	CLR	2	0	14
3	78	50	64	0.00	0.0	0		S	5.0	20.7	S	CLR	1	0	14
4	81	56	69	0.04	0.0	0	RW	SE	10.	36.5	S	PC	0	4	19
5	78	60	69	0.14	0.0	0	RW,R	S	13.	30.1	S	CLDY	0	4	19
6	64	53	59	0.21	0.0	0	TRW-,R	SW	9.5	27.9	SW	CLDY	6	0	9
7	64	49	57	0.00	0.0	0		SW	10.	24.9	SW	CLDY	8	0	7
8	66	50	58	T	0.0	0	RW-	NW	7.6	24.2	W	CLDY	7	0	8
9	71	52	62	0.00	0.0	0		NE	2.1	7.8	N	CLR	3	0	12
10	82	52	67	0.00	0.0	0		SE	5.0	19.1	SE	PC	0	2	17
11	83	58	71	0.00	0.0	0		S	6.2	22.8	S	PC	0	6	21
12	85	58	72	0.10	0.0	0	TRW-,RW+,R,L-	S	5.2	38.2	SW	CLDY	0	7	22
13	61	51	56	0.58	0.0	0	R,R-,L-,F	NE	4.4	15.6	NE	CLDY	9	0	6
14	68	51	60	0.00	0.0	0	F	NE	4.0	13.5	NE	CLDY	5	0	10
15	73	60	67	T	0.0	0	RW-	SE	4.2	14.8	SE	CLDY	0	2	17
16	83	58	71	0.00	0.0	0		S	8.4	25.6	S	PC	0	6	21
17	83	64	74	0.92	0.0	0	RW+,R+,TRW+	S	8.5	29.8	S	CLDY	0	9	24
18	72	53	63	0.10	0.0	0	RW,R-,L-	WNW	6.8	20.0	W	PC	2	0	13
19	76	48	62	0.00	0.0	0		SE	2.1	9.8	W	CLR	3	0	13
20	79	51	65	0.00	0.0	0		S	4.1	16.4	S	CLR	0	0	15
21	79	53	66	1.15	0.0	0	TRW,RW+,R	S	5.9	23.7	S	CLDY	0	1	16
22	77	59	68	0.00	0.0	0		NNW	4.8	15.7	N	PC	0	3	18
23	71	52	62	0.12	0.0	0	R-,RW	NW	6.0	23.9	W	CLDY	3	0	12
24	66	47	57	0.00	0.0	0		NW	8.1	23.2	NW	PC	8	0	8
25	71	44	58	0.00	0.0	0		W	6.8	26.6	W	PC	7	0	11
26	71	49	60	0.00	0.0	0		N	3.7	12.8	N	CLR	5	0	11
27	80	47	64	0.00	0.0	0		W	3.4	15.3	W	CLR	1	0	15
28	83	52	68	0.00	0.0	0		W	5.2	18.0	W	CLR	0	3	18
29	85	55	70	0.00	0.0	0		W	3.1	16.1	SE	CLR	0	5	20
30	83	60	72	0.13	0.0	0	RW+,L-	S	4.6	20.1	S	PC	0	7	22
31	79	67	73	0.03	0.0	0	RW-,F	S	8.5	21.4	S	PC	0	8	23
AVG/TOT	**75.6**	**53.3**	**64.5**	**3.52**	**0.0**			**S**	**5.9**				**76**	**67**	**467**
DEP.	+2.0	+1.6	+1.8	-0.45	0.0			S	-1.0				-74	-4	+44

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	0	0	13	11	9	3	1	0	10	10	11
DEP	-1	0	0	0		+1	+2	0	0	0	0	-1	+1

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	CORN	PRECIPITATION JAN-May
TOTAL	13	4	0	0	0	0	4	3	0	1	0	5124	68	780	17.55
DEP	0	+		0		-	-2	0				-799	-14	+61	+2.54

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data M = Missing

WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T"
Moderate
+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

Illinois State Water Survey
Water Survey Research Center

Local Climatological Data
Champaign-Urbana, IL - 118740
June 1999

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool	Corn
1	82	62	72	1.21	0.0	0	TRW+,L-,F	S	7.2	30.7	SW	CLDY	0	7	22
2	73	60	67	0.00	0.0	0		W	6.7	16.2	W	PC	0	2	17
3	78	58	68	0.00	0.0	0	F	NE	2.0	10.1	NE	PC	0	3	18
4	81	56	69	0.83	0.0	0	TRW+	SE	5.0	21.5	W	CLDY	0	4	19
5	88	60	74	0.00	0.0	0		S	5.9	16.8	S	CLR	0	9	23
6	90	70	80	0.00	0.0	0		S	7.8	23.1	S	CLR	0	15	28
7	91	71	81	0.00	0.0	0		SW	7.0	15.6	W	CLR	0	16	29
8	94	72	83	0.00	0.0	0	T	SW	3.1	15.5	SW	PC	0	18	29
9	91	67	79	0.00	0.0	0	T	S	3.1	12.7	S	PC	0	14	27
10	91	70	81	0.00	0.0	0	T,F	S	4.0	16.1	S	CLR	0	16	28
11	90	69	80	T	0.0	0	T, RW-, L-	E	3.9	18.6	SE	CLDY	0	15	28
12	85	68	77	1.93	0.0	0	TRW+,TRW,RW+,R	NE	2.7	22.0	S	CLDY	0	12	27
13	77	64	71	0.96	0.0	0	TRW+,TRW,RW	N	4.1	28.1	S	CLDY	0	6	21
14	76	60	68	0.00	0.0	0		NW	5.4	18.5	N	CLR	0	3	18
15	69	55	62	0.00	0.0	0		NE	5.3	16.2	NE	PC	3	0	12
16	67	53	60	0.02	0.0	0	RW-	NE	3.7	12.4	N	CLDY	5	0	10
17	69	49	59	0.00	0.0	0		N	4.3	13.9	NE	CLR	6	0	10
18	75	46	61	0.00	0.0	0		E	2.8	11.4	E	PC	4	0	13
19	76	57	67	0.00	0.0	0		SE	3.0	12.7	SE	CLDY	0	2	17
20	77	57	67	0.00	0.0	0		SE	1.9	7.9	SE	CLDY	0	2	17
21	83	64	74	0.00	0.0	0		S	2.7	11.0	S	PC	0	9	24
22	87	67	77	0.03	0.0	0	RW-	SE	3.2	15.6	SE	CLR	0	12	27
23	84	66	75	0.20	0.0	0	RW-,TRW+	S	6.4	18.7	S	CLDY	0	10	25
24	82	67	75	0.39	0.0	0	RW+,TRW-	N	3.2	14.7	N	PC	0	10	25
25	86	64	75	0.00	0.0	0		E	1.8	7.8	SE	CLR	0	10	25
26	84	67	76	0.50	0.0	0	TRW+,RW-	SE	1.6	11.6	W	CLDY	0	11	26
27	86	70	78	0.04	0.0	0	RW	SW	3.0	10.4	W	PC	0	13	28
28	85	69	77	0.00	0.0	0		W	6.1	20.2	W	CLDY	0	12	27
29	74	61	68	0.03	0.0	0	RW-	N	3.8	15.1	N	CLDY	0	3	18
30	77	59	68	0.00	0.0	0		SE	3.6	12.8	S	PC	0	3	18
AVG/TOT	**81.6**	**62.6**	**72.1**	**6.14**	**0.0**			**S**	**4.1**				**18**	**237**	**656**
DEP.	-1.3	+1.9	+0.3	+2.07	0.0			SW	-1.9				+2	+23	+28

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	6	0	0	0	12	11	7	5	2	0	8	10	12
DEP	0	0	0	0		+2	+1	+2	0	0	-2	-2	+4

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS
TOTAL	12	2	0	0	0	0	11	3	0	1	0
DEP	+1	-1		0		-	+	+			

SEASONAL DEGREE DAYS	HEATING	COOLING	CORN
	5142	305	1436
	-797	+9	+89

PRECIPITATION JAN-June
23.69
+4.61

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WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T"
Moderate
+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

The daily climate statistics are available by touch-tone phone. Call 333-8890 and select menu option 1. The recording is updated daily Monday through Friday by 7:30 a.m. Unofficial data may be obtained from the Midwestern Climate Center Web site at **http://mcc.sws.uiuc.edu/weather**

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

July 1999

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool	Corn
1	79	68	74	0.26	0.0	0	TRW	W	5.5	23.1	W	PC	0	9	24
2	84	64	74	0.02	0.0	0	L-,F	S	3.8	14.6	S	PC	0	9	24
3	90	76	83	0.00	0.0	0		S	8.6	18.5	S	CLR	0	18	31
4	91	74	83	0.00	0.0	0		SW	6.5	16.4	SW	CLR	0	18	30
5	91	74	83	0.00	0.0	0		SW	5.9	15.8	SW	CLR	0	18	30
6	88	71	80	0.00	0.0	0		N	5.2	16.0	W	PC	0	15	29
7	85	64	75	0.00	0.0	0		N	2.6	11.4	NW	CLR	0	10	25
8	86	59	73	0.00	0.0	0		S	4.9	15.0	S	CLR	0	8	23
9	86	70	78	0.00	0.0	0		W	6.6	18.3	W	PC	0	13	28
10	76	60	68	0.00	0.0	0		NNE	5.8	17.7	NE	PC	0	3	18
11	80	58	69	0.00	0.0	0		NE	3.8	11.5	NE	CLR	0	4	19
12	82	57	70	0.00	0.0	0		NE	2.4	12.5	NE	CLR	0	5	20
13	83	57	70	0.00	0.0	0		SE	2.0	10.2	SW	CLR	0	5	20
14	85	56	71	0.00	0.0	0		S	3.9	15.4	S	CLR	0	6	21
15	88	61	75	0.00	0.0	0		S	5.7	17.0	S	PC	0	10	24
16	91	65	78	0.00	0.0	0	F	S	5.5	17.7	S	CLR	0	13	26
17	84	70	77	0.11	0.0	0	L-,RW,R-	W	5.8	23.0	W	CLDY	0	12	27
18	91	66	79	0.00	0.0	0		W	2.4	8.4	SW	CLR	0	14	26
19	91	70	81	1.13	0.0	0	TRW+,F	SW	3.7	23.3	NW	PC	0	16	28
20	91	72	82	0.16	0.0	0	RW-	SW	2.4	19.9	W	CLDY	0	17	29
21	92	71	82	0.00	0.0	0	F,H	SW	5.0	16.1	W	CLR	0	17	29
22	93	74	84	0.00	0.0	0	F,H	W	5.0	14.7	W	CLR	0	19	30
23	93	73	83	0.32	0.0	0	TRW	SW	3.8	20.7	NW	CLR	0	18	30
24	92	71	82	0.00	0.0	0		W	2.7	9.3	NE	CLR	0	17	29
25	94	71	83	0.00	0.0	0		W	2.5	11.0	W	CLR	0	18	29
26	90	74	82	0.00	0.0	0	F	W	3.0	15.1	W	CLDY	0	17	30
27	90	70	80	1.05	0.0	0	TRW+,RW+	SW	2.9	26.3	W	CLR	0	15	28
28	89	69	79	0.77	0.0	0	TRW,RW,RW+	SW	4.6	38.5	W	PC	0	14	28
29	95	71	83	0.00	0.0	0	F	SW	4.6	15.3	SW	CLR	0	18	29
30	96	76	86	0.00	0.0	0		SW	5.2	12.0	W	CLR	0	21	31
31	86	75	81	0.00	0.0	0		W	6.2	18.7	SW	CLR	0	16	31
AVG/TOT	**88.1**	**68.0**	**78.1**	**3.82**	**0.0**			**SW**	**4.5**				**0**	**413**	**826**
DEP.	+2.8	+3.2	+3.0	-0.66	0.0			SW	-0.4				-2	+10	+88

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	16	0	0	0	8	8	7	3	2	0	20	8	3
DEP	+9	0	0	0		-1	0	0	+1	0	+1	-5	-5

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	CORN	PRECIPITATION JAN-July
TOTAL	7	2	0	0	0	0	5	7	0	2	0	0	718	2262	27.51
DEP	-4	+	0	0			-2	+				-2	+117	+177	+3.95

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L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T" =Trace
Moderate
+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

August 1999

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool	Corn
1	85	69	77	0.00	0.0	0		N	4.4	14.2	N	CLR	0	12	27
2	82	64	73	0.00	0.0	0		N	4.0	12.9	N	CLR	0	8	23
3	82	63	73	0.00	0.0	0		NE	2.2	10.1	W	CLR	0	8	23
4	84	64	74	0.00	0.0	0		W	4.4	17.1	W	PC	0	9	24
5	83	60	72	0.00	0.0	0		NW	2.9	12.4	NW	PC	0	7	22
6	84	59	72	0.00	0.0	0		SW	2.3	10.0	S	PC	0	7	22
7	83	64	74	0.69	0.0	0	TRW+,TRW	SW	5.2	17.7	SW	CLDY	0	9	24
8	76	59	68	0.08	0.0	0	TRW	NE	4.8	14.6	NE	CLR	0	3	18
9	78	56	67	0.00	0.0	0		SE	2.5	8.8	SE	CLR	0	2	17
10	87	59	73	0.00	0.0	0		W	4.8	17.3	W	PC	0	8	23
11	86	66	76	T	0.0	0	RW-,L-	N	1.9	11.0	W	PC	0	11	26
12	85	67	76	2.96	0.0	0	RW+,TRW+	NE	5.1	31.6	W	CLDY	0	11	26
13	82	64	73	0.93	0.0	0	TRW+, RW-	W	8.1	24.3	W	PC	0	8	23
14	74	58	66	0.00	0.0	0		N	4.5	15.7	N	PC	0	1	16
15	77	55	66	0.00	0.0	0		SE	2.4	10.7	SE	PC	0	1	16
16	85	55	70	0.00	0.0	0		S	3.8	12.8	S	CLR	0	5	20
17	88	64	76	0.00	0.0	0		NW	3.3	11.3	NW	PC	0	11	25
18	79	62	71	T	0.0	0	RW-	NE	2.3	10.2	S	CLDY	0	6	21
19	78	62	70	T	0.0	0	RW-	NE	5.1	17.5	N	CLDY	0	5	20
20	79	58	69	0.00	0.0	0		NE	3.7	12.6	N	CLR	0	4	19
21	80	53	67	0.00	0.0	0		NE	1.6	7.4	E	CLR	0	2	17
22	83	58	71	0.00	0.0	0		SE	1.7	8.6	SE	PC	0	6	21
23	85	64	75	0.39	0.0	0	TRW+	SE	3.2	20.8	N	PC	0	10	25
24	75	60	68	0.29	0.0	0	TRW	W	3.8	14.7	W	CLDY	0	3	18
25	80	58	69	0.00	0.0	0	F	N	2.4	10.2	NE	PC	0	4	19
26	83	62	73	0.00	0.0	0		NW	2.6	15.1	W	CLR	0	8	23
27	86	62	74	0.00	0.0	0	F	NW	2.2	10.8	W	CLR	0	9	24
28	88	63	76	0.00	0.0	0		W	2.5	12.7	W	CLR	0	11	25
29	86	58	72	0.00	0.0	0		NE	5.3	18.4	NE	CLR	0	7	22
30	75	54	65	0.00	0.0	0		NE	4.0	12.6	E	CLR	0	0	15
31	78	54	66	0.00	0.0	0		E	1.8	10.5	SE	CLR	0	1	16
AVG/TOT	**81.8**	**60.5**	**71.2**	**5.34**	**0.0**			**NE**	**3.5**				**0**	**197**	**660**
DEP.	-1.2	-1.9	-1.5	+1.32	0.0			SW	-1.2				-7	-41	-19

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	0	0	9	6	5	3	1	0	14	12	5
DEP	-4	0	0	0		-3	-1	0	0	0	+4	0	-4

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	CORN	PRECIPITATION JAN-August
TOTAL	9	1	0	0	0	0	6	2	0	0	0	0	915	2922	32.85
DEP	-2	0	0	0			0	-4				-9	+76	+158	+5.27

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Moderate + Heavy

Precip amount "T" =Trace

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

September 1999

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool	Corn
1	90	57	74	0.00	0.0	0		E	1.5	9.0	S	CLR	0	9	22
2	91	61	76	0.00	0.0	0		E	1.9	8.9	SE	PC	0	11	24
3	90	64	77	0.00	0.0	0		E	1.9	10.0	SE	CLR	0	12	25
4	92	65	79	0.00	0.0	0		NE	2.0	10.6	SE	CLR	0	14	26
5	94	63	79	0.00	0.0	0		N	2.6	11.8	NW	CLR	0	14	25
6	80	64	72	0.00	0.0	0		N	4.7	14.9	NW	CLR	0	7	22
7	84	53	69	0.00	0.0	0		NE	1.5	10.1	NE	CLR	0	4	19
8	84	54	69	0.00	0.0	0		NW	4.0	16.6	SW	PC	0	4	19
9	76	46	61	0.00	0.0	0		W	6.0	27.9	W	CLR	4	0	13
10	78	45	62	0.00	0.0	0		W	4.3	18.4	W	CLR	3	0	14
11	88	52	70	0.00	0.0	0		SW	2.9	14.5	SW	CLR	0	5	19
12	84	62	73	0.13	0.0	0	R-	SW	5.0	21.1	W	CLDY	0	8	23
13	71	48	60	0.00	0.0	0	F	W	5.9	22.8	NW	CLR	5	0	11
14	75	45	60	0.00	0.0	0		W	4.0	16.6	W	CLR	5	0	13
15	75	52	64	0.00	0.0	0		N	3.8	13.5	N	PC	1	0	14
16	73	48	61	0.00	0.0	0		N	3.7	15.0	N	CLR	4	0	12
17	74	45	60	0.00	0.0	0		N	1.5	9.3	N	CLR	5	0	12
18	80	47	64	0.00	0.0	0		SW	1.8	10.1	S	CLR	1	0	15
19	74	50	62	T	0.0	0	RW-	SW	4.1	16.1	W	CLDY	3	0	12
20	73	48	61	0.00	0.0	0		N	4.6	16.8	N	CLDY	4	0	12
21	66	42	54	0.00	0.0	0		N	4.5	17.1	NE	PC	11	0	8
22	73	38	56	0.00	0.0	0		W	2.4	14.0	W	CLR	9	0	12
23	80	42	61	0.00	0.0	0		SW	6.1	22.7	SW	CLR	4	0	15
24	76	52	64	0.00	0.0	0		NE	3.6	12.2	SW	CLR	1	0	14
25	88	47	68	0.00	0.0	0		S	4.0	16.7	S	CLR	0	3	18
26	86	50	68	0.00	0.0	0		S	7.0	26.7	S	CLR	0	3	18
27	88	60	74	0.00	0.0	0		S	5.3	18.3	SW	PC	0	9	23
28	85	53	69	1.53	0.0	0	TRW+, RW-	N	4.7	17.4	NW	CLDY	0	4	19
29	66	44	55	0.25	0.0	0	RW-	N	6.0	18.2	N	PC	10	0	8
30	69	39	54	0.00	0.0	0		SW	5.5	18.2	SW	CLR	11	0	10
AVG/TOT	**80.1**	**51.2**	**65.7**	**1.91**	**0.0**			**N**	**3.9**				**81**	**107**	**497**
DEP.	+2.4	-4.0	-0.8	-1.45	0.0			SW	-1.2				0	-10	-3

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	5	0	0	0	4	3	3	1	1	0	20	6	4
DEP	+3	0	0	0		-6	-2	-1	0	0	+9	-3	-6

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	CORN	PRECIPITATION JAN-September
TOTAL	4	0	0	0	0	0	1	1	0	0	0	81	1022	3419	34.76
DEP	-6	-3	0	0			-3	-4				-9	+66	+155	+3.83

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data M = Missing

WEATHER TYPES:
R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light + Precip amount "T"

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F. Heating DD season July-June. Cool and Corn DD season

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

October 1999

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	71	44	58	0.00	0.0	M		NW	2.1	9.9	W	CLR	7	0
2	58	44	51	0.02	0.0	0	RW-	N	3.4	15.2	W	CLDY	14	0
3	48	43	46	0.69	0.0	0	TRW, R, R-	NE	4.4	15.7	NE	CLDY	19	0
4	56	36	46	T	0.0	0	L-	N	3.5	12.5	NE	CLDY	19	0
5	64	33	49	0.00	0.0	0		SW	3.7	16.7	S	CLR	16	0
6	70	40	55	0.00	0.0	0		NE	2.0	8.9	NE	CLR	10	0
7	74	43	59	0.00	0.0	0		SE	4.4	16.1	S	CLR	6	0
8	65	51	58	0.64	0.0	0	R	S	5.3	19.5	S	CLDY	7	0
9	66	60	63	0.50	0.0	0	R, L-	SE	2.1	9.3	NE	CLDY	2	0
10	78	59	69	0.00	0.0	0		W	3.2	15.0	N	CLDY	0	4
11	72	47	60	0.00	0.0	0		NE	3.1	13.2	N	CLR	5	0
12	77	44	61	0.00	0.0	0		S	5.8	16.8	S	PC	4	0
13	69	43	56	0.00	0.0	0		N	7.7	24.4	NW	CLDY	9	0
14	63	37	50	0.00	0.0	0		SE	3.1	10.7	SE	CLR	15	0
15	79	40	60	0.00	0.0	0		S	6.7	21.9	S	CLR	5	0
16	76	54	65	0.07	0.0	0	RW-, TRW-	N	7.1	19.7	N	CLDY	0	0
17	54	41	48	0.00	0.0	0		N	6.0	18.9	N	CLR	17	0
18	56	32	44	0.00	0.0	0		N	2.2	9.0	SW	CLR	21	0
19	61	31	46	T	0.0	0	RW-	SW	3.7	20.6	W	PC	19	0
20	55	32	44	0.00	0.0	0		NW	2.8	13.3	W	CLR	21	0
21	70	32	51	0.00	0.0	0		SW	7.2	22.5	SW	CLR	14	0
22	59	42	51	0.00	0.0	0		NW	7.9	27.0	W	CLR	14	0
23	52	34	43	0.00	0.0	0		NW	6.4	24.0	N	CLR	22	0
24	53	30	42	0.00	0.0	0		N	3.3	13.0	W	CLR	23	0
25	65	27	46	0.00	0.0	0		SW	7.3	23.7	S	CLR	19	0
26	69	37	53	0.00	0.0	0		W	3.0	14.0	W	PC	12	0
27	69	38	54	0.00	0.0	0		SE	4.3	16.3	SE	CLR	11	0
28	80	43	62	0.00	0.0	0		SE	3.8	14.2	W	CLR	3	0
29	78	48	63	0.00	0.0	0		S	6.4	23.2	S	PC	2	0
30	75	48	62	0.00	0.0	0		S	8.6	26.0	S	CLR	3	0
31	76	55	66	0.00	0.0	0		NE	1.8	11.6	SW	PC	0	1
AVG/TOT	**66.4**	**41.5**	**54.0**	**1.92**	**0.0**			**N**	**4.6**				**339**	**5**
DEP.	+1.3	-2.3	-0.5	-0.74	-0.1			S	-1.5				-10	-11

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	6	0	7	5	3	3	0	0	18	5	8
DEP	0	0	+3	0		-4	-3	+1	-1		+6	-3	-3

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-October
TOTAL	6	2	0	0	0	0	2	0	0	0	0	420	1027	36.68
DEP	-4	-2				0	0	-4				-19	+55	+3.09

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WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Moderate + Heavy

Precip amount "T" =Trace

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

November 1999

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	78	46	62	0.49	0.0	0	TRW-,RW-	NW	4.5	20.9	N	CLDY	3	0
2	46	29	38	0.00	0.0	0		NW	8.5	23.1	NW	PC	27	0
3	50	25	38	0.00	0.0	0		W	5.4	18.5	W	CLR	27	0
4	63	26	45	0.00	0.0	0		S	7.1	21.4	S	CLR	20	0
5	73	45	59	0.00	0.0	0		SW	8.8	25.3	SW	CLR	6	0
6	66	44	55	0.00	0.0	0		NE	4.3	12.6	NE	PC	10	0
7	61	44	53	0.00	0.0	0		E	3.3	13.2	E	CLDY	12	0
8	77	40	59	0.00	0.0	0		SW	6.0	21.4	SW	CLR	6	0
9	74	52	63	0.00	0.0	0		SW	10.	24.4	SW	CLR	2	0
10	73	50	62	0.00	0.0	0		SW	11.	24.8	W	CLR	3	0
11	59	38	49	0.00	0.0	0		N	6.3	21.9	NW	PC	16	0
12	64	34	49	0.00	0.0	0	F	S	4.5	15.9	SW	CLR	16	0
13	74	39	57	0.00	0.0	0		SW	5.2	19.1	SW	CLR	8	0
14	60	33	47	0.00	0.0	0		N	7.7	22.8	N	CLR	18	0
15	55	29	42	0.00	0.0	0		NW	4.1	16.2	NW	PC	23	0
16	52	29	41	0.00	0.0	0		N	6.2	15.8	N	CLR	24	0
17	51	29	40	0.00	0.0	0		S	4.9	15.6	S	CLR	25	0
18	71	34	53	0.00	0.0	0		S	12.	30.6	S	CLR	12	0
19	58	40	49	0.05	0.0	0	RW-	S	13.	27.7	S	CLDY	16	0
20	48	30	39	0.00	0.0	0		W	3.6	13.1	W	PC	26	0
21	56	29	43	0.01	0.0	0	L-	SE	5.3	18.9	S	CLDY	22	0
22	66	45	56	0.05	0.0	0	RW-	S	5.9	16.2	S	CLDY	9	0
23	62	42	52	0.21	0.0	0	RW,F	S	13.	35.0	SW	CLDY	13	0
24	49	34	42	0.00	0.0	0		W	6.8	24.2	W	PC	23	0
25	44	31	38	0.00	0.0	0		NE	3.0	10.7	NE	CLDY	27	0
26	51	33	42	0.00	0.0	0		SW	7.7	21.8	S	PC	23	0
27	55	37	46	T	0.0	0	RW-	N	4.2	13.8	N	CLDY	19	0
28	49	30	40	0.00	0.0	0		N	4.6	13.5	N	PC	25	0
29	41	27	34	0.00	0.0	0		N	6.8	19.5	N	CLR	31	0
30	42	22	32	0.00	0.0	0		N	3.4	10.1	NE	CLR	33	0
AVG/TOT	**58.9**	**35.5**	**47.2**	**0.81**	**0.0**			**S**	**6.6**				**525**	**0**
DEP.	+8.6	+1.7	+5.1	-2.29	-2.2			SW	-0.9				-171	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	12	0	6	5	2	0	0	0	14	8	8
DEP	0	-1	-2	0		-5	-4	-2	-1	-1	+7	0	-7

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-November
TOTAL	5	1	0	0	0	0	1	2	0	0	0	945	1027	37.49
DEP	-4	-4	-4	-1			0	-2				-190	+55	+0.80

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data M = Missing

WEATHER TYPES:
R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light + Precip amount "T"

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F. Heating DD season July-June. Cool and Corn DD season January-December

Illinois State Water Survey
Water Survey Research Center

Local Climatological Data
Champaign-Urbana, IL - 118740
December 1999

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	47	20	34	0.00	0.0	0		SE	7.8	25.7	S	CLR	31	0
2	60	31	46	0.00	0.0	0		S	11.	26.5	S	PC	19	0
3	57	50	54	0.02	0.0	0	RW-	S	14.	32.9	S	CLDY	11	0
4	59	54	57	0.06	0.0	0	RW-	S	9.7	25.6	S	CLDY	8	0
5	57	32	45	0.78	0.3	0	R+,RW-,S-	N	10.	25.2	S	CLDY	20	0
6	37	27	32	0.00	0.0	T		NW	4.5	17.8	N	PC	33	0
7	44	26	35	0.00	0.0	0		S	8.2	25.6	S	CLR	30	0
8	49	29	39	0.00	0.0	0		S	5.8	15.9	S	PC	26	0
9	55	31	43	0.27	0.0	0	R-	S	5.6	19.9	S	CLDY	22	0
10	42	27	35	0.01	0.0	0	R-	N	8.1	24.9	N	CLR	30	0
11	43	22	33	0.00	0.0	0		SE	3.2	16.4	SE	PC	32	0
12	40	35	38	0.05	0.0	0	R-	SE	2.3	9.8	N	CLDY	27	0
13	45	33	39	0.10	0.0	0	R-,L-	NE	8.3	21.2	NE	PC	26	0
14	39	33	36	0.39	T	0	R-,L-,IP-	N	7.4	22.3	NE	CLDY	29	0
15	40	31	36	0.10	0.3	0	R-,S-	W	13.	30.3	SW	CLDY	29	0
16	31	24	28	T	T	T	SW-	W	10.	26.7	W	PC	37	0
17	40	26	33	0.01	0.2	T	SW-	N	4.7	16.1	N	PC	32	0
18	33	24	29	0.00	0.0	0		NE	4.2	15.8	NE	PC	36	0
19	42	26	34	T	0.0	0	RW-	SE	3.8	11.2	SE	CLDY	31	0
20	38	12	25	0.01	0.2	T	SW-	W	11.	27.7	W	PC	40	0
21	21	7	14	0.00	0.0	0		NW	3.7	11.3	NW	CLR	51	0
22	25	7	16	0.02	0.2	0	SW-	SE	4.4	13.3	SW	CLDY	49	0
23	25	11	18	0.14	3.0	T	S-	SW	5.9	14.3	SW	CLDY	47	0
24	25	2	14	0.04	0.3	3	S-	N	5.4	16.6	N	PC	51	0
25	27	-5	11	0.00	0.0	M		SW	7.8	20.4	S	CLR	54	0
26	33	21	27	0.00	0.0	M		NW	10.	26.2	NW	CLR	38	0
27	26	5	16	0.05	1.5	3	ZL-,S-	N	6.0	20.6	N	CLDY	49	0
28	34	5	20	T	T	3	SW-	SW	9.3	27.8	SW	CLDY	45	0
29	46	28	37	0.00	0.0	2		SW	10.	27.4	SW	PC	28	0
30	42	27	35	0.00	0.0	T		N	4.6	14.5	SW	CLDY	30	0
31	47	24	36	0.00	0.0	0	F	W	2.7	8.1	SW	PC	29	0
AVG/TOT	**40.3**	**23.4**	**31.9**	**2.05**	**6.0**			**N**	**7.3**				**1020**	**0**
DEP.	+3.8	+1.4	+2.6	-0.97	0.0			S	-0.6				-97	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	7	26	1	18	15	6	1	0	2	6	12	13
DEP	0	-4	0	-1		+4	0	-1	-1	0	-1	+5	-4

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS
TOTAL	10	2	10	1	1	0	0	1	0	0	0
DEP	+2	-1	+	-2		0	-1	-5			

SEASONAL DEGREE DAYS	HEATING	COOLING
	1965	1027
	-287	+55

PRECIPITATION JAN-December
39.54
-0.17

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:
=Trace
R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T"
Moderate
+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

January 2000

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	54	26	40	0.00	0.0	0		SE	4.4	20.2	S	CLR	25	0
2	60	38	49	0.00	0.0	0		S	12.	30.1	S	CLDY	16	0
3	49	34	42	0.63	0.0	0	TRW,RW,F	NE	5.5	25.2	W	CLDY	23	0
4	34	20	27	T	T	T	SW-,SG-	W	10.	23.1	NW	CLDY	38	0
5	28	18	23	0.00	0.0	T		S	8.7	17.8	SE	CLDY	42	0
6	44	25	35	0.00	0.0	0		SW	8.1	19.0	S	PC	30	0
7	35	24	30	0.00	0.0	0		S	5.2	17.3	NW	CLR	35	0
8	40	22	31	0.01	0.0	0	RW-	S	8.4	21.1	SW	CLDY	34	0
9	44	36	40	0.02	0.0	0	RW-	S	6.7	23.5	S	CLDY	25	0
10	52	37	45	0.01	0.0	0	RW-	W	12.	30.8	W	PC	20	0
11	39	30	35	0.00	0.0	0		W	10.	31.4	W	PC	30	0
12	46	24	35	0.00	0.0	0		E	3.4	17.6	SE	PC	30	0
13	31	18	25	T	T	0	SW-	NW	8.3	23.1	NW	PC	40	0
14	33	13	23	0.00	0.0	0		S	6.2	17.1	S	PC	42	0
15	49	24	37	0.00	0.0	0		S	9.0	20.2	S	CLDY	28	0
16	39	26	33	0.00	0.0	0		NE	9.3	25.8	NE	PC	32	0
17	28	21	25	T	0.0	0	ZR-	E	4.9	19.3	SE	CLDY	40	0
18	35	24	30	0.00	0.0	0		W	5.9	22.1	W	PC	35	0
19	30	18	24	0.39	4.6	0	S+,S,S-,ZL-,IP-	SE	5.1	21.1	NW	CLDY	41	0
20	26	0	13	0.00	0.0	4		NW	10.	25.6	N	CLR	52	0
21	16	-4	6	0.00	0.0	4		W	3.2	10.2	W	PC	59	0
22	30	8	19	0.15	2.0	4	S,S-,F	SE	5.3	12.6	SE	CLDY	46	0
23	29	2	16	0.00	0.0	5		NW	6.6	17.6	W	PC	49	0
24	14	-4	5	0.00	0.0	4		S	3.3	10.0	SW	CLR	60	0
25	22	1	12	0.01	0.1	4	SW-	NW	9.2	27.0	N	PC	53	0
26	18	7	13	0.00	0.0	4		N	7.6	17.9	N	CLR	52	0
27	23	6	15	0.00	0.0	4		NE	3.7	11.7	E	CLR	50	0
28	24	3	14	0.00	0.0	3		E	4.1	15.2	NE	PC	51	0
29	26	18	22	0.29	3.7	3	S+,S,S-	E	4.5	14.5	NE	CLDY	43	0
30	25	16	21	0.03	0.6	8	S-	SW	9.2	18.8	W	CLDY	44	0
31	26	9	18	T	T	8	SW-	W	10.	20.9	W	CLR	47	0
AVG/TOT	**33.8**	**17.4**	**25.6**	**1.54**	**11.0**			**W**	**7.2**				**1212**	**0**
DEP.	+2.1	+1.4	+1.7	-0.29	+2.9			W	-1.1				-71	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	16	27	3	13	9	4	1	0	3	7	12	12
DEP	0	0	-2	-1		0	-1	0	0	0	-1	+3	-2

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-January
TOTAL	4	0	7	2	1	0	1	2	0	0	0	3177	0	1.54
DEP	-1	-3	-3	0		0	0	-2				-361	0	-0.29

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data M = Missing

WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T"
+

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F. Heating DD season July-June. Cool and Corn DD season

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

February 2000

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	28	15	22	T	T	7	S-	NW	5.8	15.6	W	CLR	43	0
2	31	8	20	0.00	0.0	7	F	W	8.5	22.3	S	PC	45	0
3	39	27	33	0.02	T	6	ZR-,RW-,IP-	W	11.	27.0	NW	CLDY	32	0
4	30	16	23	0.04	0.9	5	S-	NW	7.5	23.1	NW	CLDY	42	0
5	30	10	20	0.00	0.0	5		W	6.7	25.2	W	PC	45	0
6	36	14	25	0.00	0.0	5		SE	3.1	11.6	S	PC	40	0
7	32	24	28	0.00	0.0	4	F	N	5.3	15.4	N	PC	37	0
8	38	13	26	0.00	0.0	4	F	S	4.8	16.6	S	CLR	39	0
9	54	32	43	0.00	0.0	4		SW	6.3	18.2	SW	PC	22	0
10	53	32	43	0.20	0.0	1	RW,RW-,F	SE	5.1	20.1	NW	CLDY	22	0
11	32	25	29	0.00	0.0	T		N	8.3	20.8	N	CLDY	36	0
12	42	22	32	0.00	0.0	T		SE	4.3	15.0	SE	PC	33	0
13	35	28	32	0.02	T	0	RW-,L-,SW-,IP-,F	NE	5.4	18.8	NE	CLDY	33	0
14	32	28	30	T	T	T	SW-	NE	5.4	15.8	N	CLDY	35	0
15	45	30	38	0.00	0.0	0		S	10.	27.6	S	PC	27	0
16	42	21	32	0.00	0.0	0		N	6.3	23.5	N	CLDY	33	0
17	41	20	31	0.02	T	0	RW-,IPW-,SW-	E	4.7	18.6	SE	PC	34	0
18	35	30	33	1.39	T	0	TRW+,TRW,R,L,S	NE	7.3	18.8	N	CLDY	32	0
19	33	29	31	0.00	0.0	T		W	7.3	17.2	W	CLDY	34	0
20	44	27	36	0.00	0.0	0		W	6.3	20.7	W	CLR	29	0
21	53	25	39	T	0.0	0	RW-	S	8.7	28.1	S	PC	26	0
22	64	44	54	0.00	0.0	0		S	8.1	23.3	S	PC	11	0
23	65	43	54	0.04	0.0	0	RW-	S	10.	29.5	S	PC	11	0
24	69	48	59	0.08	0.0	0	RW-	S	11.	34.5	SW	PC	6	0
25	72	46	59	T	0.0	0	RW-,F	S	11.	32.2	S	PC	6	0
26	60	50	55	0.46	0.0	0	RW+,RW,RW-	S	13.	30.1	S	CLDY	10	0
27	53	33	43	0.00	0.0	0		W	8.4	23.8	W	PC	22	0
28	59	29	44	0.00	0.0	0		SE	4.6	15.9	S	CLR	21	0
29	66	36	51	0.13	0.0	0	TRW,RW,RW-	S	11.	33.6	S	PC	14	0
AVG/TOT	**45.3**	**27.8**	**36.6**	**2.40**	**0.9**			**S**	**7.5**				**820**	**0**
DEP.	+9.0	+7.5	+8.3	+0.43	-6.1			S	-0.5				-222	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	7	22	0	14	10	4	1	1	0	4	15	10
DEP	0	-4	-2	-2		+1	0	0	+1	-2	-4	+8	-3

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-February
TOTAL	11	2	6	1	3	0	2	5	0	0	0	3997	0	3.94
DEP	+6	-1	-3	-1		0		+				-580	0	+0.14

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T" =Trace
Moderate
\+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

March 2000

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	52	36	44	0.02	0.0	0	RW-	W	9.8	26.1	W	CLDY	21	0
2	47	30	39	0.00	0.0	0		NE	5.5	15.7	NE	CLR	26	0
3	46	28	37	0.00	0.0	0		NE	3.3	11.5	S	PC	28	0
4	57	28	43	0.00	0.0	0		W	6.3	17.3	W	CLR	22	0
5	68	36	52	0.00	0.0	0		W	5.6	14.4	W	CLR	13	0
6	69	34	52	0.00	0.0	0		S	6.2	21.3	S	CLR	13	0
7	79	45	62	0.00	0.0	0		SW	8.5	22.0	SW	PC	3	0
8	77	45	61	0.05	0.0	0	RW-,TRW-	S	15.1	40.2	S	PC	4	0
9	61	34	48	0.00	0.0	0		W	12.1	31.3	W	CLDY	17	0
10	38	32	35	0.00	0.0	0		NE	5.4	14.3	NE	PC	30	0
11	32	22	27	0.19	2.2	T	S-,S	N	8.3	22.9	N	CLDY	38	0
12	41	16	29	0.00	0.0	2		S	4.5	15.0	SW	CLR	36	0
13	52	30	41	T	0.0	T	RW-,L-	S	9.0	29.0	S	CLR	24	0
14	55	26	41	0.01	0.0	0	RW-	S	4.4	16.3	S	CLDY	24	0
15	70	38	54	T	0.0	0	RW-	SW	9.6	27.7	SW	PC	11	0
16	48	29	39	0.00	0.0	0		N	12.	28.1	N	CLDY	26	0
17	44	25	35	0.00	0.0	0		E	5.6	18.7	NE	CLR	30	0
18	44	24	34	T	0.0	0	RW-	SE	4.8	19.3	SE	PC	31	0
19	50	39	45	1.04	0.0	0	R+,R,R-	E	4.1	13.3	SE	CLDY	20	0
20	50	41	46	0.28	0.0	0	RW-,L-	S	7.5	22.4	S	CLDY	19	0
21	50	38	44	T	0.0	0	L-,F	S	2.7	7.5	SW	CLDY	21	0
22	60	35	48	0.00	0.0	0	F	NE	2.5	12.2	SE	PC	17	0
23	67	45	56	0.00	0.0	0		SE	4.0	16.3	E	CLR	9	0
24	74	48	61	0.00	0.0	0		SW	9.1	28.7	SW	PC	4	0
25	65	44	55	0.00	0.0	0		NW	7.5	28.2	W	CLR	10	0
26	70	36	53	0.18	0.0	0	RW,RW-	SW	6.9	26.1	S	PC	12	0
27	56	37	47	T	0.0	0	RW-	W	8.1	28.3	W	PC	18	0
28	45	32	39	0.00	0.0	0		NW	8.5	28.6	N	CLDY	26	0
29	56	28	42	0.00	0.0	0		NW	3.3	13.4	NW	CLR	23	0
30	56	32	44	0.00	0.0	0		NE	3.8	15.2	NE	PC	21	0
31	64	35	50	0.00	0.0	0		SE	1.8	9.6	N	CLR	15	0
AVG/TOT	**56.2**	**33.8**	**45.0**	**1.77**	**2.2**			**S**	**6.7**				**612**	**0**
DEP.	+7.4	+2.7	+5.0	-1.53	-1.9			S	-1.9				-173	-1

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	1	14	0	12	7	4	1	1	1	11	11	9
DEP	0	-2	-4	0		-5	-3	-1	0	0	+4	+2	-6

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-March
TOTAL	10	3	1	0	0	0	1	2	0	0	0	4609	0	5.71
DEP	0	-1	-5	-1		-	-2	-2				-753	-1	-1.39

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T" =Trace
Moderate
\+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

Local Climatological Data

Illinois State Water Survey
Water Survey Research Center

Champaign-Urbana, IL - 118740

April 2000

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool	Corn
1	67	42	55	0.00	0.0	0		SW	4.3	14.7	S	CLDY	10	0	9
2	64	50	57	0.00	0.0	0		NE	3.2	12.6	N	CLDY	8	0	7
3	57	40	49	0.00	0.0	0		W	6.8	23.7	W	PC	16	0	4
4	48	31	40	T	T	0	SW-	NW	9.0	26.1	W	CLDY	25	0	0
5	66	27	47	0.00	0.0	0		S	13.	39.8	S	CLR	18	0	8
6	62	47	55	0.00	0.0	0		W	6.6	23.1	W	PC	10	0	6
7	54	33	44	0.03	0.0	0	RW-	N	7.7	23.5	NW	CLDY	21	0	2
8	43	27	35	0.01	T	T	SW-	NW	10.	29.3	N	PC	30	0	0
9	65	21	43	0.00	0.0	0		W	8.5	30.3	W	CLR	22	0	8
10	53	37	45	0.02	0.0	0	RW-	E	12.	25.3	NE	PC	20	0	2
11	47	33	40	0.64	0.0	0	RW+,RW,RW-	N	7.5	21.8	NE	CLDY	25	0	0
12	53	31	42	0.00	0.0	0		NE	3.4	12.7	SE	CLR	23	0	2
13	67	32	50	0.00	0.0	0		SE	5.3	17.7	SE	CLR	15	0	9
14	71	36	54	0.00	0.0	0		S	8.3	23.5	S	PC	11	0	11
15	74	47	61	0.00	0.0	0		S	8.4	21.9	SW	PC	4	0	12
16	71	47	59	1.22	0.0	0	TRW,RW+,RW,RW-	S	8.0	28.6	S	CLDY	6	0	11
17	54	43	49	0.04	0.0	0	RW-	NW	8.0	19.7	W	CLDY	16	0	2
18	53	43	48	0.00	0.0	0	F	NW	3.8	10.9	N	CLDY	17	0	2
19	72	44	58	0.13	0.0	0	TRW-,RW-	SE	9.8	25.1	S	PC	7	0	11
20	70	42	56	0.22	0.0	0	TRW-,RW-	W	13.	31.6	W	CLDY	9	0	10
21	53	39	46	0.04	0.0	0	RW-	NW	9.4	25.0	W	CLDY	19	0	2
22	66	36	51	0.00	0.0	0		W	3.3	14.3	W	CLR	14	0	8
23	58	43	51	0.25	0.0	0	R-,RW-	SE	3.7	12.6	SE	CLDY	14	0	4
24	66	44	55	0.16	0.0	0	R-	NE	8.8	23.5	NE	CLDY	10	0	8
25	66	39	53	0.00	0.0	0		N	8.1	19.7	N	CLR	12	0	8
26	70	39	55	0.00	0.0	0		N	5.0	14.0	NW	CLR	10	0	10
27	71	40	56	0.00	0.0	0		NE	3.2	15.7	N	PC	9	0	11
28	73	41	57	T	0.0	0	RW-	N	4.4	16.9	NW	CLR	8	0	12
29	69	45	57	0.02	0.0	0	RW-	NE	5.6	17.4	NE	PC	8	0	10
30	76	39	58	0.00	0.0	0		SW	4.0	14.7	SW	CLR	7	0	13
AVG/TOT	**62.6**	**38.6**	**50.6**	**2.78**	**0.0**			**N**	**7.1**				**424**	**0**	**202**
DEP.	+0.2	-2.8	-1.3	-1.16	-1.0			S	-1.4				+13	-10	-4

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	6	0	14	12	6	2	1	0	9	9	12
DEP	0	0	+1	0		0	-2	0	0		+1	0	-1

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	CORN	PRECIPITATION JAN-April
TOTAL	12	0	2	0	0	0	3	1	0	0	0	5033	0	405	8.49
DEP	-1	-4	0			-	-2	-2				-740	-11	+109	-2.55

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Moderate + Heavy

Precip amount "T" =Trace

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

Illinois State Water Survey
Water Survey Research Center

Local Climatological Data
Champaign-Urbana, IL - 118740
May 2000

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool	Corn
1	62	49	56	0.40	0.0	0	R,R-,F	SW	3.8	12.3	N	CLDY	9	0	6
2	73	45	59	0.00	0.0	0	F	NE	3.0	12.9	SE	PC	6	0	12
3	79	51	65	0.19	0.0	0	TRW,RW,RW-	SE	5.3	30.5	S	CLDY	0	0	15
4	80	57	69	0.00	0.0	0		S	8.3	23.6	S	PC	0	4	19
5	80	58	69	0.00	0.0	0	F	S	7.3	21.5	S	PC	0	4	19
6	82	59	71	0.00	0.0	0		S	9.5	30.1	S	PC	0	6	21
7	77	65	71	0.02	0.0	0	RW-	S	8.2	21.6	S	CLDY	0	6	21
8	82	67	75	0.02	0.0	0	TRW	S	11.	31.8	S	CLDY	0	10	25
9	76	54	65	0.32	0.0	0	TRW,RW,RW-	SW	8.8	28.8	SW	CLDY	0	0	15
10	71	48	60	0.00	0.0	0		SW	4.9	15.8	SW	CLR	5	0	11
11	85	52	69	0.00	0.0	0		S	12.	39.4	SW	CLDY	0	4	19
12	87	61	74	0.56	0.0	0	TRW,RW-	SW	10.	24.4	SW	CLDY	0	9	24
13	61	44	53	0.00	0.0	0		W	7.7	26.8	W	PC	12	0	6
14	67	39	53	0.00	0.0	0		W	5.0	21.0	W	PC	12	0	9
15	73	44	59	0.00	0.0	0		SE	1.9	12.3	W	PC	6	0	12
16	78	51	65	T	0.0	0	RW-	S	5.7	24.0	SW	CLDY	0	0	15
17	73	56	65	0.04	0.0	0	RW-	S	6.5	26.2	S	CLDY	0	0	15
18	77	60	69	0.53	0.0	0	TRW,RW,RW-,A	SW	10.	29.8	S	PC	0	4	19
19	60	47	54	0.00	0.0	0		N	5.8	19.0	NW	CLDY	11	0	5
20	57	47	52	0.00	0.0	0		N	2.5	9.1	NE	CLDY	13	0	4
21	69	42	56	0.00	0.0	0		W	2.9	11.1	W	PC	9	0	10
22	76	55	66	0.57	0.0	0	TRW+,RW-	S	6.3	21.0	W	PC	0	1	16
23	82	59	71	0.12	0.0	0	TRW-	W	6.0	21.8	W	PC	0	6	21
24	84	56	70	0.00	0.0	0		NW	5.5	23.3	W	CLR	0	5	20
25	78	54	66	0.00	0.0	0		NW	4.0	20.1	N	CLR	0	1	16
26	68	52	60	0.54	0.0	0	RW,RW-	SE	3.0	15.7	SE	CLDY	5	0	10
27	78	58	68	2.85	0.0	0	TRW+,TRW,RW,R	SW	5.3	24.7	W	CLDY	0	3	18
28	62	54	58	0.01	0.0	0	RW-,L	W	6.4	17.3	W	CLDY	7	0	8
29	73	52	63	0.00	0.0	0		SE	2.7	11.7	SE	PC	2	0	13
30	83	56	70	0.00	0.0	0		S	7.5	23.0	S	CLR	0	5	20
31	87	66	77	0.01	0.0	0	RW-	SW	4.8	21.5	S	CLDY	0	12	26
AVG/TOT	**74.8**	**53.5**	**64.2**	**6.18**	**0.0**			**S**	**6.3**				**97**	**80**	**470**
DEP.	+1.2	+1.8	+1.5	+2.21	0.0			S	-0.6				-53	+9	+47

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	0	0	15	14	9	5	1	0	4	12	15
DEP	-1	0	0	0		+4	+2	+2	0	0	-6	+1	+5

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	CORN	PRECIPITATION JAN-May
TOTAL	15	1	0	0	0	1	8	3	0	0	0	5130	80	875	14.67
DEP	+2	-2		0		0	+	0				-793	-2	+156	-0.34

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Moderate + Heavy Precip amount "T" =Trace

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

Illinois State Water Survey
Water Survey Research Center

Local Climatological Data
Champaign-Urbana, IL - 118740
June 2000

DATE Corn	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool	Corn
1	88	63	76	0.00	0.0	0		SW	6.4	20.4	S	CLR	0	11	25
2	78	58	68	0.00	0.0	0		N	5.8	16.3	NW	PC	0	3	18
3	73	50	62	0.00	0.0	0		NE	3.3	12.3	NE	PC	3	0	12
4	74	50	62	0.90	0.0	0	TRW-,RW,RW-	E	2.3	11.0	S	CLDY	3	0	12
5	61	51	56	0.00	0.0	0		N	5.5	19.9	N	CLDY	9	0	6
6	73	48	61	0.00	0.0	0		N	3.2	13.8	N	CLR	4	0	12
7	78	48	63	0.00	0.0	0		S	5.5	17.7	S	CLR	2	0	14
8	86	60	73	0.00	0.0	0		SW	7.6	20.1	SW	CLR	0	8	23
9	87	63	75	0.00	0.0	0		SW	8.0	20.1	S	CLR	0	10	25
10	87	67	77	0.00	0.0	0		SW	8.7	32.7	S	PC	0	12	27
11	81	69	75	0.21	0.0	0	RW,RW-	SW	5.4	17.8	W	CLDY	0	10	25
12	86	68	77	0.26	0.0	0	TRW,RW-	SW	5.8	22.5	SW	CLDY	0	12	27
13	89	68	79	0.00	0.0	0		SW	7.6	21.5	S	PC	0	14	27
14	84	67	76	0.77	0.0	0	TRW+,RW-	SW	8.8	42.3	SW	CLDY	0	11	26
15	81	59	70	0.00	0.0	0		SW	7.3	20.7	SW	PC	0	5	20
16	80	63	72	0.02	0.0	0	RW-	W	5.9	17.6	SW	CLDY	0	7	22
17	71	57	64	0.09	0.0	0	RW-	NE	3.9	13.8	N	CLDY	1	0	14
18	76	57	67	0.00	0.0	0		SE	2.1	11.3	NE	CLDY	0	2	17
19	79	57	68	0.00	0.0	0	F	S	3.2	13.3	S	PC	0	3	18
20	82	66	74	1.26	0.0	0	TRW+,TRW,RW-	S	6.9	24.8	W	CLDY	0	9	24
21	79	64	72	0.02	0.0	0	RW-,L-,F	SW	8.0	22.2	W	CLDY	0	7	22
22	83	64	74	0.00	0.0	0		W	6.3	20.0	W	PC	0	9	24
23	88	62	75	0.62	0.0	0	TRW+	S	3.7	21.9	W	PC	0	10	24
24	80	66	73	0.17	0.0	0	RW,RW-	S	6.6	18.3	W	CLDY	0	8	23
25	84	67	76	0.00	0.0	0		NW	3.1	10.3	NW	PC	0	11	26
26	80	64	72	0.17	0.0	0	RW-	W	5.2	21.9	W	CLDY	0	7	22
27	75	61	68	0.00	0.0	0		N	2.8	10.7	NW	PC	0	3	18
28	77	61	69	0.03	0.0	0	RW-	N	2.3	13.8	N	PC	0	4	19
29	78	58	68	0.00	0.0	0		W	4.0	18.7	W	CLR	0	3	18
30	79	55	67	0.00	0.0	0		SW	2.5	11.4	SW	PC	0	2	17
AVG/TOT	**79.9**	**60.4**	**70.2**	**4.52**	**0.0**			**SW**	**5.3**				**22**	**181**	**607**
DEP.	-3.0	-0.3	-1.6	+0.45	0.0			SW	-0.7				+6	-33	-21

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	0	0	12	12	8	4	1	0	6	12	12
DEP	-6	0	0	0		+3	+2	+1	-1	0	-4	0	+4

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	CORN	PRECIPITATION JAN-June
TOTAL	12	1	0	0	0	0	5	2	0	0	0	5152	261	1482	19.19
DEP	+1	-2		0		-	-1	0				-787	-35	+135	+0.11

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:
=Trace
R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T"
Moderate
+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

The daily climate statistics are available by touch-tone phone. Call 333-8890 and select menu option 1. The recording is updated daily Monday through Saturday by 7:30 a.m. Data may be obtained from the State Climatologist site at **http://www.sws.uiuc.edu/atmos/statecli/**

Illinois State Water Survey
Water Survey Research Center

Local Climatological Data
Champaign-Urbana, IL - 118740
July 2000

DATE Corn	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	81	57	69	0.00	0.0	0		S	3.8	14.4	S	PC	0	4	19
2	86	65	76	0.00	0.0	0		S	5.9	13.9	SW	CLR	0	11	26
3	87	70	79	0.03	0.0	0	RW-	W	5.5	16.4	W	CLDY	0	14	28
4	84	67	76	0.18	0.0	0	RW-	NE	2.6	14.8	W	CLDY	0	11	26
5	86	70	78	0.02	0.0	0	RW-	W	2.4	10.1	SW	CLDY	0	13	28
6	86	68	77	0.00	0.0	0		N	3.3	12.6	NE	PC	0	12	27
7	82	64	73	0.00	0.0	0		NE	3.0	12.2	NE	CLR	0	8	23
8	84	61	73	0.00	0.0	0		S	3.7	12.6	S	CLR	0	8	23
9	85	64	75	0.00	0.0	0		SW	6.1	19.3	SW	CLR	0	10	25
10	88	72	80	T	0.0	0	RW-	NE	3.4	15.9	NE	CLDY	0	15	29
11	83	70	77	1.82	0.0	0	TRW+	NE	2.7	14.8	W	CLDY	0	12	27
12	82	68	75	0.00	0.0	0		E	2.3	10.8	E	CLDY	0	10	25
13	87	70	79	0.00	0.0	0		NE	2.1	10.8	NW	PC	0	14	28
14	87	68	78	0.00	0.0	0		NW	4.9	17.6	W	PC	0	13	27
15	83	64	74	0.00	0.0	0		N	3.4	14.3	NW	PC	0	9	24
16	84	61	73	0.00	0.0	0		NW	2.2	11.9	W	PC	0	8	23
17	83	62	73	0.00	0.0	0		SW	4.2	15.5	W	PC	0	8	23
18	81	59	70	0.05	0.0	0	RW-	NE	4.2	15.1	NE	PC	0	5	20
19	76	58	67	0.02	0.0	0	RW-	N	4.6	17.8	N	PC	0	2	17
20	75	55	65	0.00	0.0	0		W	2.9	13.4	W	PC	0	0	15
21	78	58	68	0.00	0.0	0		NW	3.2	13.4	W	PC	0	3	18
22	78	53	66	0.00	0.0	0		N	2.6	11.0	N	PC	0	1	16
23	77	57	67	0.00	0.0	0		NE	4.3	14.2	N	PC	0	2	17
24	82	58	70	0.00	0.0	0		NE	2.8	10.8	NE	PC	0	5	20
25	82	57	70	0.00	0.0	0		SE	2.2	10.2	SE	CLR	0	5	20
26	84	58	71	0.00	0.0	0		SW	3.2	13.1	W	PC	0	6	21
27	87	63	75	0.00	0.0	0	F	S	5.0	16.1	SW	PC	0	10	25
28	84	64	74	0.08	0.0	0	RW-,F	SW	4.6	16.9	SW	PC	0	9	24
29	76	68	72	0.17	0.0	0	TRW,RW-,F	SE	2.1	11.0	W	CLDY	0	7	22
30	82	67	75	0.04	0.0	0	RW-	NE	2.2	11.6	NE	CLDY	0	10	25
31	82	66	74	0.04	0.0	0	TRW-,F	W	3.2	13.9	N	CLDY	0	9	24
AVG/TOT	**82.6**	**63.3**	**73.0**	**2.45**	**0.0**			**NE**	**3.5**				**0**	**254**	**715**
DEP.	-2.7	-1.5	-2.1	-2.01	0.0			SW	-1.4				-2	-51	-23

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	0	0	11	10	3	1	1	0	5	17	9
DEP	-7	0	0	0		+1	-4	-2	0	0	-5	+4	+1

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	CORN	PRECIPITATION JAN-July
TOTAL	11	0	0	0	0	0	3	4	0	0	0	0	515	2197	21.64
DEP	0	-1	0	0			-4	0				-2	-86	+112	-1.90

Averages based on 1961-1990 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:
=Trace
R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T"
Moderate
+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

The daily climate statistics are available by touch-tone phone. Call 333-8890 and select menu option 1. The recording is updated daily Monday through Friday by 8:00 a.m. For this and other climate data, visit the State Climatologist Web site at **http://www.sws.uiuc.edu/atmos/statecli/**

Illinois State Water Survey
Water Survey Research Center

Local Climatological Data
Champaign-Urbana, IL - 118740
August 2000

DATE Corn	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool	
1	87	64	76	0.00	0.0	0		W	6.0	17.7	W	PC	0	11	25
2	89	66	78	0.48	0.0	0	TRW+	SW	6.1	18.9	NW	PC	0	13	26
3	78	61	70	0.00	0.0	0		NE	3.9	12.5	N	PC	0	5	20
4	80	59	70	0.00	0.0	0		NE	2.9	11.4	N	PC	0	5	20
5	76	57	67	0.26	0.0	0	TRW	S	5.5	15.6	S	CLDY	0	2	17
6	86	70	78	0.02	0.0	0	TRW-	SW	6.1	19.2	SW	CLDY	0	13	28
7	86	67	77	0.02	0.0	0	RW-,F	SW	4.2	15.6	SW	PC	0	12	27
8	83	69	76	0.05	0.0	0	RW-	SW	5.9	17.7	S	PC	0	11	26
9	90	70	80	0.00	0.0	0		NW	4.5	14.8	W	PC	0	15	28
10	85	64	75	0.00	0.0	0		N	2.4	11.7	NE	CLR	0	10	25
11	87	62	75	0.00	0.0	0		NE	3.1	15.2	N	PC	0	10	24
12	84	60	72	0.00	0.0	0		NE	2.1	8.2	SE	CLR	0	7	22
13	81	59	70	0.00	0.0	0		S	2.5	11.8	S	PC	0	5	20
14	89	59	74	0.00	0.0	0		S	4.0	15.5	S	CLR	0	9	23
15	94	67	81	0.00	0.0	0		SW	5.3	16.1	SW	CLR	0	16	27
16	85	65	75	0.00	0.0	0		NE	3.8	12.0	N	CLR	0	10	25
17	97	62	80	0.30	0.0	0	TRW	SE	5.5	18.5	W	PC	0	15	24
18	80	62	71	0.01	0.0	0	RW-	N	4.5	15.2	N	CLDY	0	6	21
19	76	59	68	0.00	0.0	0		NE	3.0	12.1	NE	CLR	0	3	18
20	78	58	68	0.00	0.0	0		E	2.6	12.6	SE	CLR	0	3	18
21	84	55	70	0.00	0.0	0		S	3.4	13.6	S	PC	0	5	20
22	84	67	76	0.19	0.0	0	TRW	S	4.9	18.0	S	PC	0	11	26
23	86	65	76	1.84	0.0	0	TRW+,TRW-,RW-	SW	5.1	22.6	NW	PC	0	11	26
24	85	61	73	T	0.0	0	RW-	NE	2.5	10.2	W	PC	0	8	23
25	85	59	72	0.00	0.0	0		SE	2.4	11.0	SE	CLR	0	7	22
26	83	61	72	0.15	0.0	0	TRW	S	4.2	16.2	S	CLDY	0	7	22
27	82	64	73	0.00	0.0	0		E	1.8	7.6	E	CLDY	0	8	23
28	80	65	73	0.27	0.0	0	TRW-,RW-	SE	3.3	12.9	S	CLDY	0	8	23
29	96	67	82	0.00	0.0	0		SE	3.3	9.0	S	CLR	0	17	27
30	93	70	82	0.00	0.0	0	F	SE	3.1	10.9	S	PC	0	17	28
31	92	66	79	0.00	0.0	0	F	SE	2.8	11.6	SE	CLR	0	14	26
AVG/TOT	**85.2**	**63.2**	**74.2**	**3.59**	**0.0**			**NE**	**3.9**				**0**	**294**	**730**
DEP.	+2.2	+0.8	+1.5	-0.44	0.0			SW	-0.8				-7	+56	+51

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	6	0	0	0	12	11	7	1	1	0	10	15	6
DEP	+2	0	0	0		+2	+1	-2	0	0	0	+3	-3

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	CORN	PRECIPITATION JAN-August
TOTAL	12	0	0	0	0	0	8	3	0	0	0	0	809	2927	25.23
DEP	+1	-1	0	0			+	-3				-9	-30	+163	-2.34

Averages based on 1961-1990 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:
=Trace
R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T"
Moderate
+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

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Illinois State Water Survey
Water Survey Research Center

Local Climatological Data
Champaign-Urbana, IL - 118740
September 2000

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool	Corn
1	93	66	80	0.00	0.0	0	F	SE	1.4	7.5	SE	CLR	0	15	26
2	94	68	81	0.00	0.0	0		E	1.3	10.0	N	CLR	0	16	27
3	93	68	81	0.00	0.0	0		SE	2.8	10.5	W	CLR	0	16	27
4	79	62	71	0.00	0.0	0		N	6.9	22.4	N	CLDY	0	6	21
5	75	51	63	0.00	0.0	0		NE	5.2	17.1	NE	CLR	2	0	13
6	82	48	65	0.00	0.0	0		SE	3.4	11.3	SE	CLR	0	0	16
7	88	60	74	0.00	0.0	0		S	4.9	15.6	S	PC	0	9	23
8	86	63	75	0.00	0.0	0		S	4.7	14.3	S	PC	0	10	25
9	83	65	74	0.00	0.0	0		S	4.5	15.9	S	CLDY	0	9	24
10	77	69	73	0.95	0.0	0	TRW+,TRW-	S	4.7	17.1	S	CLDY	0	8	23
11	90	67	79	0.89	0.0	0	TRW+,F	S	7.0	20.5	S	PC	0	14	27
12	78	55	67	0.45	0.0	0	TRW,RW-	N	3.6	17.3	NE	CLDY	0	2	17
13	82	51	67	0.00	0.0	0		SE	1.9	9.1	W	CLR	0	2	17
14	73	52	63	0.09	0.0	0	RW-	N	3.6	14.7	W	CLDY	2	0	13
15	67	48	58	0.00	0.0	0		N	4.7	17.8	N	CLR	7	0	9
16	70	40	55	0.00	0.0	0		N	2.1	9.7	SW	CLR	10	0	10
17	82	46	64	0.00	0.0	0		SW	5.2	18.5	SW	CLR	1	0	16
18	87	50	69	0.00	0.0	0		S	3.2	12.5	S	CLR	0	4	18
19	89	53	71	0.00	0.0	0		S	8.1	25.4	S	PC	0	6	20
20	73	51	62	0.20	0.0	0	RW-	SW	5.2	18.5	NW	CLDY	3	0	12
21	68	42	55	0.00	0.0	0		W	2.9	15.1	W	CLR	10	0	9
22	83	44	64	0.22	0.0	0	RW-	S	6.7	24.1	S	PC	1	0	17
23	78	59	69	0.01	0.0	0	RW-	N	5.3	15.9	SW	CLDY	0	4	19
24	62	51	57	0.41	0.0	0	TRW	NE	6.0	16.7	N	CLDY	8	0	7
25	52	45	49	1.02	0.0	0	R,R-	N	4.3	16.9	NE	CLDY	16	0	1
26	67	37	52	0.00	0.0	0		SW	3.4	13.1	W	CLR	13	0	9
27	76	42	59	0.00	0.0	0		SW	4.4	14.9	SW	CLR	6	0	13
28	72	46	59	0.00	0.0	0		NE	2.5	9.7	E	CLR	6	0	11
29	75	43	59	0.00	0.0	0		SE	2.9	12.6	S	CLR	6	0	13
30	77	44	61	0.00	0.0	0		SE	4.5	18.6	S	CLR	4	0	14
AVG/TOT	**78.4**	**52.9**	**65.7**	**4.24**	**0.0**			**S**	**4.2**				**95**	**121**	**497**
DEP.	+0.7	-2.3	-0.8	+0.88	0.0			SW	-0.9				+14	+4	-3

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	4	0	0	0	9	9	7	3	1	0	16	5	9
DEP	+2	0	0	0		0	+2	+1	0	0	+5	-4	-1

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	CORN	PRECIPITATION JAN-September
TOTAL	9	0	0	0	0	0	4	2	0	0	0	95	930	3424	29.47
DEP	-1	-3	0	0			0	-3				+5	-26	+160	-1.46

Averages based on 1961-1990 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:
R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T" =Trace
Moderate
+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

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Illinois State Water Survey
Water Survey Research Center

Local Climatological Data
Champaign-Urbana, IL - 118740
October 2000

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	81	52	67	0.00	0.0	0		S	7.3	22.4	S	PC	0	2
2	84	57	71	0.00	0.0	0		SW	6.2	21.6	SW	CLR	0	6
3	84	57	71	0.00	0.0	0		S	3.1	13.5	S	PC	0	6
4	69	54	62	1.10	0.0	0	TRW,RW,RW-	NE	5.6	21.0	NE	CLDY	3	0
5	58	47	53	0.99	0.0	0	TRW,RW-	N	4.0	19.4	N	CLDY	12	0
6	51	33	42	0.00	0.0	0		NW	5.3	18.8	W	PC	23	0
7	49	29	39	0.00	0.0	0		NW	4.3	20.7	W	PC	26	0
8	49	30	40	0.00	0.0	0		N	5.9	19.6	NW	PC	25	0
9	57	29	43	0.00	0.0	0		NW	3.1	15.1	W	CLR	22	0
10	62	32	47	0.00	0.0	0		W	3.9	16.4	W	CLR	18	0
11	69	33	51	0.00	0.0	0		W	1.8	9.5	W	CLR	14	0
12	72	34	53	0.00	0.0	0		SE	3.6	14.7	S	CLR	12	0
13	76	42	59	0.00	0.0	0		S	5.9	18.2	SW	CLR	6	0
14	77	53	65	0.52	0.0	0	RW,RW-	SW	5.3	22.2	W	PC	0	0
15	69	55	62	0.01	0.0	0	RW-	SE	1.8	7.1	SW	CLDY	3	0
16	58	51	55	0.10	0.0	0	RW-,F(am)	NE	3.4	12.8	N	CLDY	10	0
17	64	47	56	0.00	0.0	0	F(am)	N	3.0	11.8	NW	CLDY	9	0
18	68	42	55	0.00	0.0	0	F(am)	SW	2.1	10.7	SW	CLR	10	0
19	74	43	59	0.00	0.0	0		SW	2.9	13.4	SW	CLR	6	0
20	74	45	60	0.00	0.0	0		SE	3.4	15.6	SW	CLR	5	0
21	77	46	62	0.00	0.0	0		S	1.5	8.8	S	CLR	3	0
22	66	51	59	T	0.0	0	RW-,F(am)	E	1.8	9.4	S	CLDY	6	0
23	78	59	69	0.02	0.0	0	RW-,F(am)	SE	2.5	10.2	S	PC	0	4
24	71	58	65	0.00	0.0	0	F(am)	N	2.2	10.9	N	PC	0	0
25	76	56	66	0.00	0.0	0	F(am)	SE	2.6	9.3	SE	PC	0	1
26	78	59	69	0.00	0.0	0		S	5.5	19.7	SW	PC	0	4
27	76	56	66	0.00	0.0	0		W	4.7	16.0	SW	PC	0	1
28	59	42	51	0.00	0.0	0		NE	4.7	15.4	N	CLDY	14	0
29	63	37	50	0.00	0.0	0		E	2.9	13.9	SE	CLR	15	0
30	67	44	56	0.01	0.0	0	RW-	SE	5.2	15.8	SE	PC	9	0
31	74	47	61	0.01	0.0	0	RW-	SE	3.6	12.7	S	PC	4	0
AVG/TOT	**68.7**	**45.8**	**57.3**	**2.76**	**0.0**			**SE**	**3.8**				**255**	**24**
DEP.	+3.6	+2.0	+2.8	+0.10	-0.1			S	-2.3				-94	+8

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	4	0	9	8	4	3	1	0	11	13	7
DEP	0	0	+1	0		-1	-2	+1	0		-1	+5	-4

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-October
TOTAL	9	0	0	0	0	0	2	7	0	0	0	350	954	32.23
DEP	-1	-4				0	0	+3				-89	-18	-1.36

Averages based on 1961-1990 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:
R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T" Trace
Moderate
+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

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Illinois State Water Survey
Water Survey Research Center

Local Climatological Data
Champaign-Urbana, IL - 118740
November 2000

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed (mph)	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	79	54	67	0.00	0.0	0		SE	6.5	22.1	S	CLR	0	2
2	66	48	57	0.03	0.0	0	RW-	SW	3.4	12.9	SW	CLDY	8	0
3	63	46	55	0.00	0.0	0		NW	3.5	14.3	W	PC	10	0
4	59	36	48	0.00	0.0	0		W	2.2	10.0	N	PC	17	0
5	61	33	47	0.00	0.0	0		SE	5.9	19.6	SE	CLR	18	0
6	56	43	50	0.83	0.0	0	R,R-	SE	9.5	25.0	SE	CLDY	15	0
7	57	40	49	0.00	0.0	0		W	6.5	18.4	S	CLDY	16	0
8	49	39	44	T	0.0	0	RW-	NE	3.9	14.9	N	CLDY	21	0
9	45	34	40	1.85	0.0	0	TRW,R,R-	N	8.8	26.9	N	CLDY	25	0
10	38	34	36	0.00	0.0	0		NW	6.0	17.7	W	CLDY	29	0
11	49	34	42	0.00	0.0	0		NE	3.4	10.6	NE	PC	23	0
12	52	34	43	0.33	0.0	0	RW-	S	4.7	14.4	S	PC	22	0
13	43	31	37	0.12	T	0	RW-,SW-	W	9.1	22.3	W	CLDY	28	0
14	35	27	31	T	T	0	RW-	W	10.3	23.8	W	CLDY	34	0
15	43	23	33	0.00	0.0	0		SW	6.6	15.9	SW	CLR	32	0
16	44	26	35	T	0.0	0	RW-	W	13.9	32.1	W	CLDY	30	0
17	30	21	26	T	T	0	SW-	W	8.1	22.0	W	CLDY	39	0
18	36	17	27	0.00	0.0	0		SW	6.0	24.7	SW	PC	38	0
19	43	18	31	T	0.0	0	RW-	SW	9.6	24.7	SW	PC	34	0
20	29	19	24	T	T	0	SW-	W	13.5	29.2	W	CLDY	41	0
21	26	12	19	0.00	0.0	0		W	7.5	19.5	W	CLR	46	0
22	38	12	25	0.00	0.0	0		NW	2.6	11.0	NW	CLR	40	0
23	42	17	30	0.00	0.0	0		SE	2.4	8.9	S	CLR	35	0
24	49	22	36	0.00	0.0	0		E	2.8	12.2	NE	CLR	29	0
25	38	34	36	0.65	0.0	0	R,R-	NE	5.8	15.3	NE	CLDY	29	0
26	42	32	37	T	0.0	0	RW-,L-	W	7.6	16.5	W	CLDY	28	0
27	32	27	30	0.00	0.0	0	F	W	7.0	17.3	W	CLDY	35	0
28	46	25	36	0.00	0.0	0		W	4.5	14.6	W	CLR	29	0
29	40	33	37	0.03	T	0	RW-,SW-,F	W	9.6	23.9	W	CLDY	28	0
30	35	33	34	T	T	0	SW-	W	3.8	17.8	W	CLDY	31	0
AVG/TOT	**45.5**	**30.1**	**37.8**	**3.84**	**0.0**			**W**	**6.5**				**810**	**2**
DEP.	-4.8	-3.7	-4.3	+0.74	-2.2			SW	-1.0				+114	+2

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	4	15	0	15	7	5	3	1	0	8	6	16
DEP	0	+3	+1	0		-3	-1	+1	0	-1	+1	-2	+1

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-November
TOTAL	11	1	6	0	0	0	1	2	0	0	0	1160	956	36.07
DEP	+2	-4	+2	-1			0	-2				+25	-16	-0.62

Averages based on 1961-1990 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:
R = Rain, Z = Freezing rain/drizzle, D = Dust
L = Drizzle, IP = Sleet, H = Haze
S = Snow, A = Hail, BS = Blowing Snow
T = Thunder, F = Fog, RW = Rainshower, SW = Snowshower

PRECIP INTENSITY: - Light, Moderate, + Heavy

Precip amount "T" =Trace

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

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Illinois State Water Survey
Water Survey Research Center

Local Climatological Data
Champaign-Urbana, IL - 118740
December 2000

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed (mph)	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	34	29	32	0.08	1.0	0	S,S-	NE	4.3	19.5	NE	CLDY	33	0
2	29	22	26	0.00	0.0	0		NE	8.3	19.2	N	PC	39	0
3	36	20	28	0.00	0.0	0		NE	3.0	10.4	N	CLR	37	0
4	36	21	29	0.00	0.0	0		SW	9.4	21.7	SW	CLDY	36	0
5	34	14	24	0.00	0.0	0		NW	7.1	26.1	W	PC	41	0
6	23	13	18	0.01	T	0	SW-	W	7.3	20.1	W	CLDY	47	0
7	39	19	29	0.00	0.0	0		S	7.4	21.9	S	CLDY	36	0
8	35	13	24	0.00	0.0	0		NW	6.1	21.1	N	PC	41	0
9	33	12	23	0.00	0.0	0		SE	4.4	15.5	SE	PC	42	0
10	40	28	34	T	0.0	0	RW-	NE	4.8	12.8	SW	CLDY	31	0
11	34	10	22	0.76	1.1	0	R,R-,L-,ZR-,S-	NE	8.1	36.8	W	CLDY	43	0
12	10	2	6	T	T	1	SW-	W	5.8	24.6	W	PC	59	0
13	23	3	13	0.49	4.9	1	S,S-	NE	4.0	16.9	NE	CLDY	52	0
14	22	0	11	T	T	6	SW-	W	3.7	11.8	W	PC	54	0
15	31	-1	15	0.02	T	6	S-,ZL-,ZR-,IF	SE	7.8	18.5	SE	CLDY	50	0
16	35	7	21	0.06	1.3	4	L-,S-,ZL-,F,BS	NW	8.1	28.8	W	PC	44	0
17	7	2	5	0.01	T	4	S-,BS	W	12.9	29.5	W	CLDY	60	0
18	19	1	10	0.07	2.0	4	S-,BS	SE	8.1	24.6	W	CLDY	55	0
19	16	1	9	T	0.2	6	S-,BS	W	11.3	26.0	W	PC	56	0
20	19	-3	8	0.03	0.4	7	S-,BS	S	8.3	24.2	S	PC	57	0
21	21	0	11	0.04	0.6	7	S-,BS	W	12.1	26.8	W	PC	54	0
22	6	-4	1	0.00	0.0	7		W	8.1	21.6	W	CLR	64	0
23	23	3	13	0.00	0.0	7		SE	7.7	20.8	S	PC	52	0
24	10	-1	5	0.00	0.0	6		NW	6.5	16.0	NW	CLR	60	0
25	15	-2	7	0.00	0.0	6		N	3.5	12.9	N	PC	58	0
26	19	8	14	0.02	0.3	6	S-	E	2.5	9.1	S	CLDY	51	0
27	18	9	14	T	T	7	S-	W	5.2	15.6	W	PC	51	0
28	21	5	13	0.01	0.2	7	S-	NE	3.4	12.9	E	PC	52	0
29	18	12	15	0.10	2.2	8	S-,BS	E	3.2	12.6	NW	CLDY	50	0
30	26	15	21	0.02	0.3	9	S-,BS	NW	7.2	18.0	NW	CLDY	44	0
31	24	9	17	0.01	0.2	9	S-	W	5.2	13.2	W	PC	48	0
AVG/TOT	**24.4**	**8.6**	**16.5**	**1.73**	**14.7**			**W**	**6.6**				**1497**	**0**
DEP.	-12.1	-13.4	-12.8	-1.29	+8.7			S	-1.3				+380	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	21	31	7	20	15	3	1	0	6	3	15	13
DEP	0	+10	+5	+5		+4	-3	-1	-1	+4	-4	+8	-4

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-December
TOTAL	2	2	19	3	0	0	0	2	0	0	8	2657	956	37.80
DEP	-6	-1	10	0		0	-1	-4				+404	-16	-1.91

Averages based on 1961-1990 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:
R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Moderate + Heavy Precip amount "T" =Trace

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

The daily climate statistics are available by touch-tone phone. Call 333-8890 and select menu option 1. The recording is updated daily Monday through Friday by 8:00 a.m. For this and other climate data, visit the State Climatologist Web site at **http://www.sws.uiuc.edu/atmos/statecli/**

Illinois State Water Survey
Water Survey Research Center

Local Climatological Data
Champaign-Urbana, IL - 118740
January 2001

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	20	5	13	0.02	0.3	9	S-	NW	4.2	10.9	NW	PC	52	0
2	18	0	9	0.00	0.0	8		SW	4.6	12.3	SW	CLR	56	0
3	25	4	15	T	T	8	S-,ZL-	SW	8.8	19.4	SW	PC	50	0
4	30	17	24	0.00	0.0	7		SW	8.3	26.7	SW	CLDY	41	0
5	36	19	28	0.00	0.0	7		W	10.9	28.1	W	CLR	37	0
6	36	14	25	0.00	0.0	7		SW	7.2	18.9	S	CLR	40	0
7	36	25	31	0.00	0.0	7		NW	6.1	15.2	NW	PC	34	0
8	25	12	19	0.00	0.0	7		NW	5.8	15.1	NW	PC	46	0
9	24	8	16	0.00	0.0	6		W	5.7	13.7	W	CLR	49	0
10	35	12	24	0.00	0.0	6		SW	7.1	16.3	SW	CLR	41	0
11	35	17	26	0.02	T	6	R-,ZR-	S	3.3	11.4	SW	PC	39	0
12	36	29	33	0.01	0.2	6	SW-,F	S	2.6	7.5	S	CLDY	32	0
13	33	31	32	T	0.0	5	L-,F	SE	5.9	15.8	SW	CLDY	33	0
14	37	32	35	0.06	0.0	4	R-,L-,F	S	7.8	18.6	SE	CLDY	30	0
15	34	32	33	T	0.0	2	L-	W	9.6	20.5	W	CLDY	32	0
16	32	26	29	T	T	2	SW-	W	6.1	19.0	W	CLDY	36	0
17	31	22	27	0.00	0.0	2		NW	2.4	8.3	NW	CLDY	38	0
18	35	19	27	0.00	0.0	1	F	SW	3.2	12.5	SW	CLR	38	0
19	31	19	25	0.01	0.1	1	SW-	N	9.3	20.3	N	CLDY	40	0
20	25	14	20	T	T	1	SW-	N	5.1	14.3	N	CLDY	45	0
21	35	15	25	0.00	0.0	1		SW	5.4	14.5	SW	CLR	40	0
22	39	16	28	0.00	0.0	1	F	S	3.9	13.5	S	CLR	37	0
23	38	25	32	0.00	0.0	T		W	5.3	11.1	W	CLR	33	0
24	28	18	23	T	T	T	SW-	NW	7.1	19.6	NW	PC	42	0
25	32	13	23	0.00	0.0	T		S	5.2	15.0	NW	CLR	42	0
26	33	18	26	0.29	2.7	1	S,IP,ZR-	S	11.4	29.8	W	CLDY	39	0
27	28	18	23	0.00	0.0	3		W	8.1	19.8	NW	PC	42	0
28	31	12	22	0.28	0.4	3	S,IP-,ZR-,ZL-	SW	4.8	14.2	SW	CLDY	43	0
29	44	31	38	0.50	0.0	3	R,ZR-	SE	6.5	29.4	SW	CLDY	27	0
30	38	32	35	0.13	T	T	RW-,SW-	SW	7.8	22.7	S	CLDY	30	0
31	34	28	31	T	T	T	SW-	W	8.9	19.7	W	CLDY	34	0
AVG/TOT	**32.1**	**18.8**	**25.5**	**1.32**	**3.7**			**W**	**6.4**				**1218**	**0**
DEP.	+0.1	+2.1	+1.1	-0.57	-4.9			W	-1.5				-65	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	14	31	1	16	9	4	1	0	1	10	7	14
DEP	0	+1	+3	-2		0	-1	0	0	-2	+2	-2	0

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-January
TOTAL	4	3	11	5	2	0	0	5	0	0	0	3875	0	1.32
DEP	-1	0	+1	+3		0	-1	+1				+337	0	-0.57

Averages based on 1971-2000 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:
R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = Sleet H = Haze
S = Snow A = Hail BS = Blowing Snow
T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light Precip amount "T" =Trace
Moderate
+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F. Heating DD season July-June. Cool and Corn DD season January-December.

The daily climate statistics are available by touch-tone phone. Call 333-8890 and select menu option 1. The recording is updated daily Monday through Friday by 8:00 a.m. For this and other climate data, visit the State Climatologist Web site at **http://www.sws.uiuc.edu/atmos/statecli/**

Local Climatological Data

Champaign-Urbana, IL - 118740

February 2001

'linois State Water Survey
Water Survey Research Center

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed (mph)	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	37	9	23	T	T	T	SW-	SW	6.4	18.7	N	PC	42	0
2	15	-1	7	0.01	0.1	T	SW-	W	8.1	20.8	NW	CLDY	58	0
3	35	14	25	0.01	0.1	T	RW-,SW-	S	9.8	22.6	S	PC	40	0
4	47	30	39	0.01	T	0	RW-,SW-	SW	7.2	17.4	W	PC	26	0
5	33	25	29	T	T	0	RW-,SW-	W	8.0	16.6	SW	CLDY	36	0
6	42	28	35	T	0.0	0	RW-,F(PM)	N	4.1	15.1	NW	PC	30	0
7	45	24	35	T	T	0	SW-,F(AM)	SE	4.1	13.7	SE	PC	30	0
8	59	40	50	0.35	0.0	0	TRW,RW	S	10.5	26.9	S	CLDY	15	0
9	57	21	39	0.71	T	0	R,S-	S	14.9	35.4	S	CLDY	26	0
10	27	15	21	0.00	0.0	T		NW	6.1	19.0	NW	PC	44	0
11	36	16	26	0.00	0.0	0		E	3.7	14.3	SE	CLR	39	0
12	39	22	31	0.00	0.0	0		SW	4.5	13.5	W	CLDY	34	0
13	42	29	36	0.22	0.0	0	RW,RW-,F(PM)	SE	3.0	11.3	S	CLDY	29	0
14	43	32	38	0.45	0.0	0	TRW+,RW-,F(AM)	N	5.7	17.8	NE	CLDY	27	0
15	36	31	34	T	0.0	0	L-,F(PM)	NE	5.0	16.0	NE	CLDY	31	0
16	34	16	25	0.00	0.0	0		NW	7.6	22.8	NW	CLDY	40	0
17	22	10	16	0.00	0.0	0		NW	6.2	18.1	NW	PC	49	0
18	32	12	22	0.00	0.0	0		S	7.4	18.8	S	PC	43	0
19	50	28	39	0.00	0.0	0		SW	10.5	28.6	SW	CLR	26	0
20	44	24	34	0.00	0.0	0		N	6.0	16.3	NW	PC	31	0
21	28	14	21	0.16	2.4	0	S-	NE	7.3	19.0	N	PC	44	0
22	30	20	25	0.03	0.4	3	S-	W	6.9	19.9	SW	PC	40	0
23	36	24	30	0.04	0.0	T	R-	W	4.9	17.1	W	CLR	35	0
24	56	32	44	1.85	0.0	0	TRW+,RW+	S	8.0	26.8	S	CLDY	21	0
25	54	30	42	T	0.0	0	RW-	W	17.1	41.7	W	CLDY	23	0
26	46	25	36	0.00	0.0	0		NW	4.0	16.5	NW	CLR	29	0
27	35	25	30	T	T	0	SW-	N	8.8	22.3	N	CLDY	35	0
28	31	17	24	0.00	0.0	0		N	6.2	13.7	N	CLR	41	0
AVG/TOT	**39.0**	**21.9**	**30.5**	**3.84**	**3.0**			**S**	**7.2**				**964**	**0**
DEP.	+1.4	+0.2	+0.8	+1.83	-2.5			NW	-0.3				-78	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	7	27	1	18	11	6	2	1	1	5	11	12
DEP	0	-2	+3	-1		+3	+1	+1	+1	-1	-3	+4	-1

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS
TOTAL	11	1	10	0	0	0	3	5	0	0	0
DEP	+6	-2	+1	-2		0		+1			

SEASONAL DEGREE DAYS HEATING	COOLING
4839	0
+262	0

PRECIPITATION JAN-February
5.16
+1.26

Averages based on 1971-2000 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:

R = Rain
L = Drizzle
S = Snow
T = Thunder
Z = Freezing rain/drizzle
IP = Ice pellets (sleet)
A = Hail
F = Fog
D = Dust
H = Haze
BS = Blowing snow
RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light
Moderate
+ Heavy

Precip amount "T" =Trace

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

Local Climatological Data

Champaign-Urbana, IL - 118740

March 2001

'linois State Water Survey
Water Survey Research Center

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed (mph)	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	42	20	31	0.00	0.0	0		SW	5.4	14.3	SW	PC	34	0
2	38	32	35	T	0.0	0	RW-,L-	W	6.2	17.9	W	PC	30	0
3	50	30	40	0.00	0.0	0		W	2.8	10.1	N	PC	25	0
4	37	26	32	0.00	0.0	0		N	9.9	23.7	N	CLDY	33	0
5	33	23	28	T	T	0	SW-	NW	8.6	24.7	NW	PC	37	0
6	39	20	30	0.00	0.0	0		NW	8.2	21.4	N	CLR	35	0
7	46	21	34	0.00	0.0	0		W	6.5	19.9	W	CLR	31	0
8	35	26	31	T	T	0	SW-	W	8.7	20.8	W	CLDY	34	0
9	40	23	32	0.00	0.0	0		NW	4.3	15.9	W	PC	33	0
10	50	21	36	0.00	0.0	0		S	8.4	23.1	S	PC	29	0
11	51	34	43	0.00	0.0	0		NE	6.1	20.5	NE	CLR	22	0
12	53	34	44	0.09	0.0	0	RW-	SE	8.7	24.7	S	CLDY	21	0
13	47	31	39	0.05	0.5	T	SW-	W	11.4	30.2	W	CLDY	26	0
14	58	26	42	0.02	0.0	0	RW-	S	6.1	20.0	S	PC	23	0
15	52	42	47	0.06	0.0	0	RW-	NE	5.1	21.3	NE	CLDY	18	0
16	44	31	38	0.45	0.6	0	R,S-	NE	9.4	21.2	NE	CLDY	27	0
17	36	29	33	0.03	0.2	1	SW-	NW	5.8	14.7	N	CLDY	32	0
18	49	26	38	0.00	0.0	0		NE	3.7	13.0	E	CLR	27	0
19	49	28	39	0.00	0.0	0		E	3.7	14.6	N	PC	26	0
20	54	32	43	0.00	0.0	0		NE	5.6	16.7	N	PC	22	0
21	58	32	45	0.00	0.0	0		N	7.5	18.9	N	CLR	20	0
22	57	35	46	0.00	0.0	0		W	4.7	13.6	W	PC	19	0
23	55	35	45	0.00	0.0	0		NW	6.2	18.1	NW	CLR	20	0
24	40	22	31	0.00	0.0	0		NW	9.3	22.7	NW	CLR	34	0
25	30	19	25	T	T	T	S-	NW	8.2	22.8	N	CLR	40	0
26	36	14	25	0.00	0.0	0		NW	5.5	19.8	W	CLR	40	0
27	45	18	32	0.00	0.0	0		NW	2.4	11.2	W	CLR	33	0
28	50	21	36	0.02	0.0	0	RW-	S	6.8	27.3	S	CLDY	29	0
29	49	33	41	0.00	0.0	0		SE	3.4	9.9	SE	CLDY	24	0
30	58	38	48	0.00	0.0	0		NE	4.9	15.5	N	PC	17	0
31	62	32	47	0.13	0.0	0	RW	NW	5.8	23.1	NW	CLDY	18	0
AVG/TOT	**46.5**	**27.5**	**37.0**	**0.85**	**1.3**			**NW**	**6.4**				**859**	**0**
DEP.	-3.1	-3.7	-3.4	-2.36	-2.0			S	-1.6				+74	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	1	24	0	12	8	2	0	0	0	10	11	10
DEP	0	-2	+5	0		-3	-5	-2	-1	-1	+3	+2	-5

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS
TOTAL	7	1	6	0	0	0	0	0	0	0	0
DEP	-3	-3	0	-1		-1	-3	-4			

SEASONAL DEGREE DAYS HEATING	COOLING
5698	0
+336	0

PRECIPITATION JAN-March
6.01
-1.10

Averages based on 1971-2000 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:

R = Rain
L = Drizzle
S = Snow
T = Thunder
Z = Freezing rain/drizzle
IP = Ice pellets (sleet)
A = Hail
F = Fog
D = Dust
H = Haze
BS = Blowing snow
RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light
Moderate
+ Heavy

Precip amount "T" =Trace

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

Local Climatological Data

Champaign-Urbana, IL - 118740

April 2001

'llinois State Water Survey
Water Survey Research Center

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed (mph)	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool	Corn
1	52	28	40	0.00	0.0	0		W	6.4	24.9	W	PC	25	0	1
2	62	38	50	0.00	0.0	0		SE	5.5	22.8	S	CLDY	15	0	6
3	61	39	50	0.00	0.0	0		NE	7.2	21.0	NE	CLR	15	0	6
4	67	40	54	0.00	0.0	0		E	4.7	15.9	E	CLR	11	0	9
5	72	39	56	0.08	0.0	0	TRW,RW-	E	5.2	21.4	S	CLDY	9	0	11
6	78	64	71	0.00	0.0	0		SW	10.2	20.8	S	CLDY	0	6	21
7	79	64	72	0.00	0.0	0		SW	17.1	37.8	SW	PC	0	7	22
8	83	50	67	0.00	0.0	0		SW	10.0	24.4	SW	PC	0	2	17
9	84	64	74	T	0.0	0	TRW(PM),RW-(AM	SW	10.7	47.1	SW	PC	0	9	24
10	72	55	64	0.43	0.0	0	TRW(PM),RW-(AM	SE	6.1	20.4	S	CLDY	1	0	14
11	76	60	68	0.03	0.0	0	RW-	S	12.8	35.8	SW	CLDY	0	3	18
12	65	50	58	0.00	0.0	0		W	14.2	34.1	W	PC	7	0	8
13	64	45	55	0.00	0.0	0		NW	4.4	18.0	W	CLR	10	0	7
14	72	44	58	0.00	0.0	0		NW	5.4	15.8	W	PC	7	0	11
15	54	44	49	0.22	0.0	0	TRW(AM),RW-(PM	NE	7.0	21.7	NE	CLDY	16	0	2
16	47	30	39	T	T	0	SW-	NW	10.1	31.3	W	PC	26	0	0
17	50	29	40	T	T	0	SW-	N	9.4	29.2	N	PC	25	0	0
18	58	29	44	0.00	0.0	0		W	5.1	20.5	W	CLR	21	0	4
19	69	35	52	0.06	0.0	0	RW-	S	9.1	27.3	S	PC	13	0	10
20	75	51	63	0.07	0.0	0	RW-	S	14.4	27.7	SW	CLDY	2	0	13
21	74	62	68	0.05	0.0	0	RW-	SW	14.9	39.1	S	PC	0	3	18
22	83	64	74	T	0.0	0	RW-	S	12.1	35.0	S	PC	0	9	24
23	74	48	61	0.11	0.0	0	RW	S	17.3	39.5	SW	CLDY	4	0	12
24	62	40	51	0.00	0.0	0		NW	6.0	21.0	NW	CLR	14	0	6
25	62	38	50	0.04	0.0	0	RW-	SE	2.3	12.0	SE	PC	15	0	6
26	76	38	57	0.00	0.0	0		SW	6.9	20.7	SW	CLR	8	0	13
27	81	48	65	0.00	0.0	0		NE	6.3	19.0	N	CLR	0	0	16
28	77	44	61	0.00	0.0	0		E	3.5	14.5	NE	CLR	4	0	14
29	79	46	63	0.00	0.0	0		SE	4.7	16.8	SE	CLR	2	0	15
30	88	47	68	0.00	0.0	0		SW	6.8	21.8	SW	CLDY	0	3	18
AVG/TOT	**69.9**	**45.8**	**57.9**	**1.09**	**0.0**			**S**	**8.5**				**250**	**42**	**346**
DEP.	+7.7	+5.0	+6.4	-2.56	-0.5			S	+0.6				-161	+34	+140

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	4	0	13	9	3	0	0	0	9	12	9
DEP	0	0	-2	0		-2	-5	-2	-1	0	+1	+3	-4

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS
TOTAL	11	0	2	0	0	0	5	0	0	0	0
DEP	-2	-4	0			-1	0	-3			

SEASONAL DEGREE DAYS HEATING	COOLING	CORN
5948	42	391
+175	+34	+84

PRECIPITATION JAN-April
7.10
-3.66

Averages based on 1971-2000 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:

R = Rain
L = Drizzle
S = Snow
T = Thunder
Z = Freezing rain/drizzle
IP = Ice pellets (sleet)
A = Hail
F = Fog
D = Dust
H = Haze
BS = Blowing snow
RW = Rainshower SW = Snowshower

PRECIP INTENSITY: - Light
Moderate
+ Heavy

Precip amount "T" =Trace

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.