

1.

year, station with the max, max**Value** ORDER BY max**Value** DESC year, station with the min,
min**Value** ORDER BY min**Value** DESC

Max top 20 results:

1975,36.1,86200
1992,35.4,63600
1994,34.7,117160
2010,34.4,75250
2014,34.4,96560
1989,33.9,63050
1982,33.8,94050
1968,33.7,137100
1966,33.5,151640
1983,33.3,98210
2002,33.3,78290
2002,33.3,78290
1970,33.2,103080
1986,33.2,76470
1956,33.0,145340
2000,33.0,62400
1959,32.8,65160
1991,32.7,137040
2006,32.7,75240
1988,32.6,102540

Min top 20 results:

1990,-35.0,147270
1990,-35.0,166870
1952,-35.5,192830
1974,-35.6,166870
1974,-35.6,179950
1954,-36.0,113410
1992,-36.1,179960
1975,-37.0,157860
1972,-37.5,167860
1995,-37.6,182910
2000,-37.6,169860
1957,-37.8,159970
1983,-38.2,191900
1989,-38.2,166870
1953,-38.4,183760
2009,-38.5,179960
1993,-39.0,191900

1984,-39.2,123480
1984,-39.2,191900
1973,-39.3,166870

2.

year, month, value ORDER BY value DESC year, month, value ORDER BY value DESC

SQL Distinct top 20:

1972,10,378
1973,5,377
1973,6,377
1972,8,376
1973,9,376
1971,8,375
1972,5,375
1972,6,375
1972,9,375
1971,6,374
1971,9,374
1972,7,374
1971,5,373
1973,8,373
1974,6,372
1974,8,372
1970,8,370
1971,7,370
1973,7,370
1974,5,370

SQL Not Distinct top 20:

2014,7,147681
2011,7,146656
2010,7,143419
2012,7,137477
2013,7,133657
2009,7,133008
2011,8,132734
2009,8,128349
2013,8,128235
2003,7,128133
2002,7,127956
2006,8,127622
2008,7,126973
2002,8,126073
2005,7,125294
2011,6,125193

2012,8,125037
2006,7,124794
2010,8,124417
2014,8,124045

API Distinct top 20:

1972,10,378
1973,5,377
1973,6,377
1972,8,376
1973,9,376
1971,8,375
1972,5,375
1972,6,375
1972,9,375
1971,6,374
1971,9,374
1972,7,374
1971,5,373
1973,8,373
1974,6,372
1974,8,372
1970,8,370
1971,7,370
1973,7,370
1974,5,370

API Not Distinct top 20:

2014,7,147681
2011,7,146656
2010,7,143419
2012,7,137477
2013,7,133657
2009,7,133008
2011,8,132734
2009,8,128349
2013,8,128235
2003,7,128133
2002,7,127956
2006,8,127622
2008,7,126973
2002,8,126073
2005,7,125294
2011,6,125193
2012,8,125037
2006,7,124794

2010,8,124417

2014,8,124045

3.

year, month, station, avgMonthlyTemperature ORDER BY avgMonthlyTemperature DESC

Top 20:

2014,7,96000,26.3

1994,7,65450,23.65483870967742

1994,7,95160,23.505376344086027

1994,7,75120,23.26881720430107

1994,7,105260,23.143820224719107

1994,7,85280,23.108602150537635

1983,8,54550,23.0

1975,8,54550,22.9625

1994,7,96550,22.957894736842114

1994,7,96000,22.931182795698923

1994,7,106070,22.822580645161295

1972,7,173960,22.776666666666667

1994,7,54300,22.76021505376344

1994,7,85210,22.755913978494615

2006,7,65450,22.74086021505376

2006,7,75120,22.73010752688173

1994,7,103080,22.708602150537626

1994,7,92100,22.698924731182792

1994,7,94180,22.68172043010753

1994,7,83230,22.577419354838707

4.

station, maxTemp, maxDailyPrecipitation ORDER BY station DESC Note: The correct result for this question should be empty.

Empty

5.

year, month, avgMonthlyPrecipitation ORDER BY year DESC, month DESC

Top 20:

1993,4,0.0

1993,5,21.100000000000005

1993,6,56.5

1993,7,95.39999999999999

1993,8,80.700000000000005

1993,9,40.6

1993,10,43.2

1993,11,42.800000000000003

1993,12,37.10000000000003
1994,1,22.099999999999994
1994,2,22.500000000000004
1994,3,37.600000000000004
1994,4,23.100000000000005
1994,5,25.100000000000005
1994,6,45.100000000000002
1994,7,0.0
1994,8,58.800000000000002
1994,9,94.599999999999991
1994,10,33.200000000000001
1994,11,15.699999999999992

6.

year, month, difference ORDER BY year DESC, month DESC

Top 20:

12,1.1802532879294296,2014
11,2.3623403352242165,2014
10,1.962048144196805,2014
9,0.5403749977456709,2014
8,-0.38621913696625043,2014
7,2.4173184457331125,2014
6,-1.77629375744886,2014
5,0.3362374350649997,2014
4,2.3532923183848036,2014
3,4.4683006072910105,2014
2,5.462312909390701,2014
1,1.1051784953387633,2014
12,4.279600592841333,2013
11,1.3203829602354515,2013
10,1.1156628412882625,2013
9,-0.48832261268585064,2013
8,-0.02723324780174252,2013
7,0.4213167674968048,2013
6,-0.4600493189154182,2013
5,1.580589109362629,2013

