

WISE SoE data request 2007 - Step 3

EIONET-Water: Groundwater

Estonia

Disaggregated data

Graphical presentation of possible outliers

Following graphical representations of time series were generated from data in tables, which are uploaded at Eionet Water library on EEA CIRCA on same place as this document. The tables contains list of records which responsible ETC-WTR data manager detected as outlying using documented rules and methods.

Responsible national data managers or experts can use this document to help them decide whether detected values are errors or results of natural processes which are possible in respective area. Results of their decision (either corrected values or explanation) should be prepared and delivered according published guidelines or upon an agreement with responsible data manager of the ETC-WTR.

Time series graphs are ordered by determinand and by station ID in this order.

deWbName:

Ammonium

WaterbaseID:

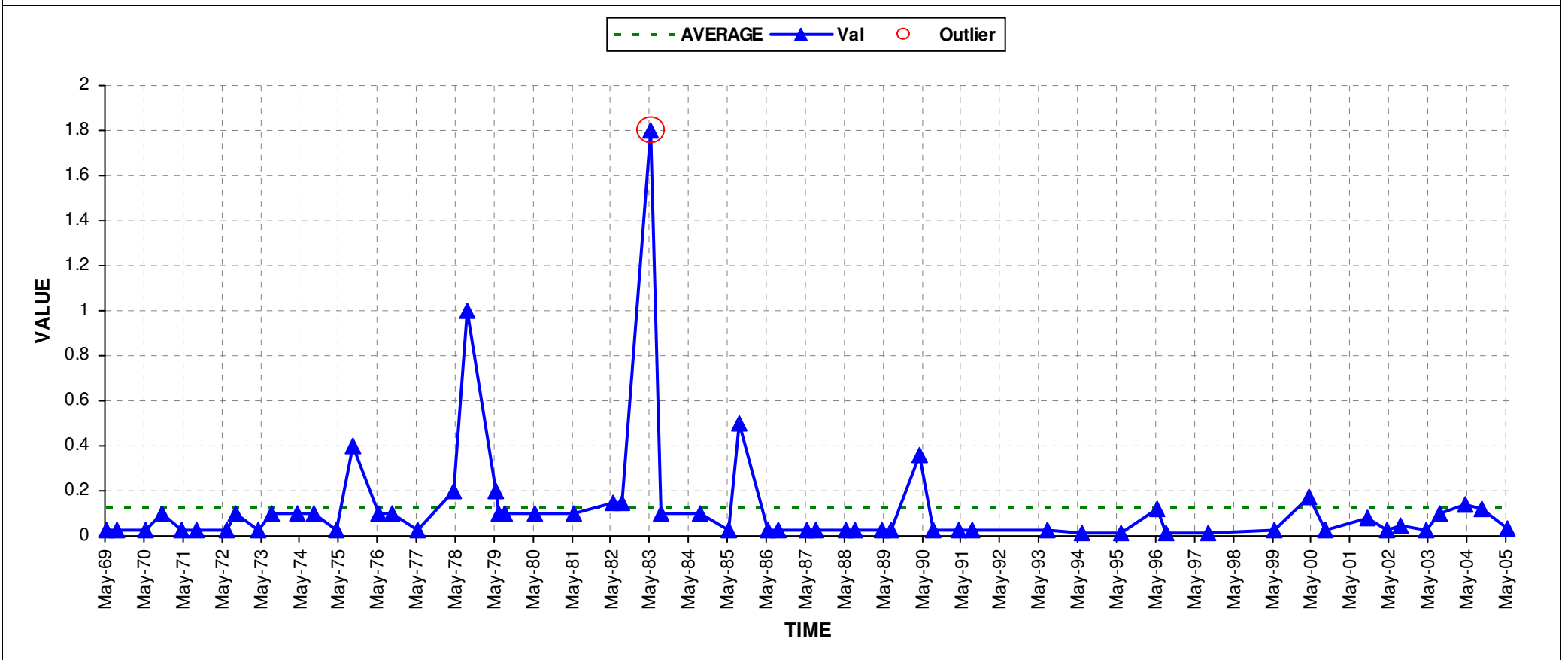
EE_GW_EE031

msStation_ID:

EE1052-C_10060

Outlier values ([ViolatedRule, Date]: Val):

[101, 19/05/1983]: 1.8



deWbName:

Ammonium

WaterbaseID:

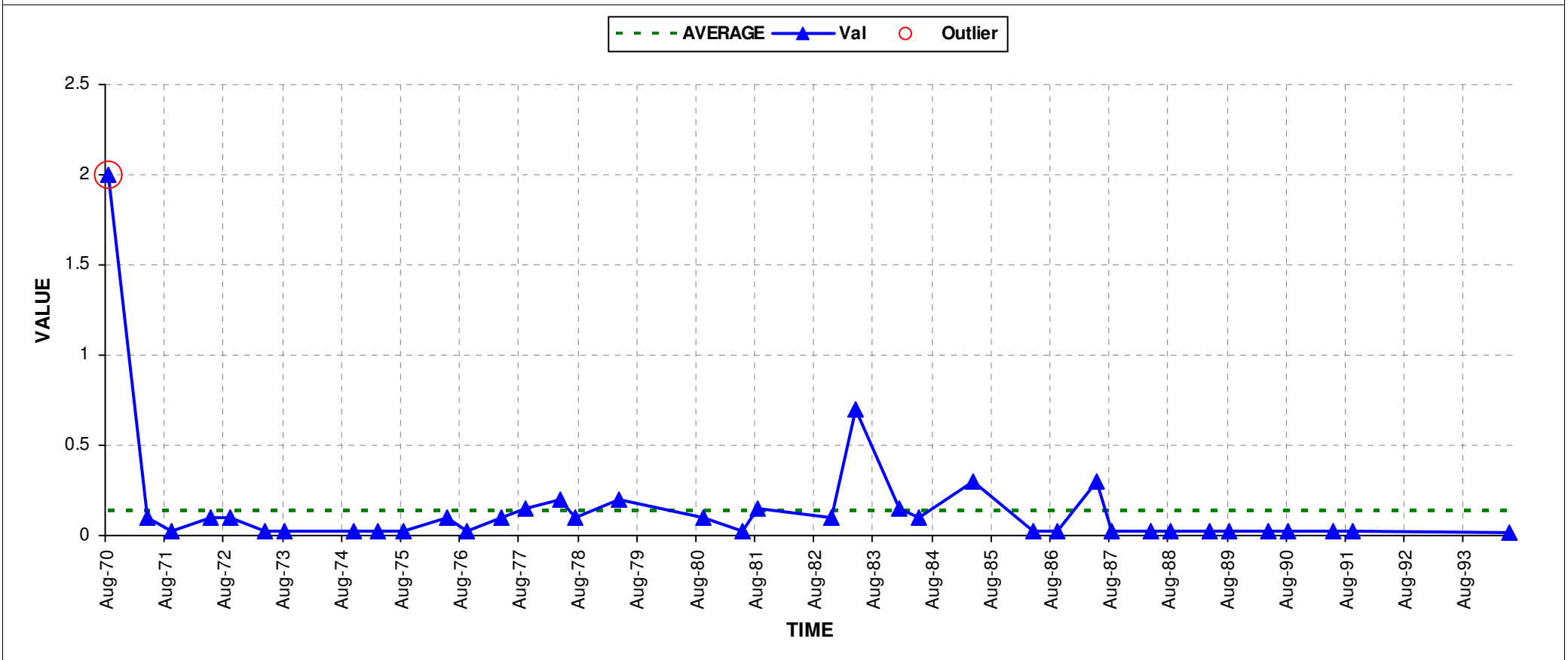
EE_GW_EE031

msStation_ID:

EE1076_4271

Outlier values ([ViolatedRule, Date]: Val):

[101, 28/08/1970]: 2



deWbName:

Ammonium

WaterbaseID:

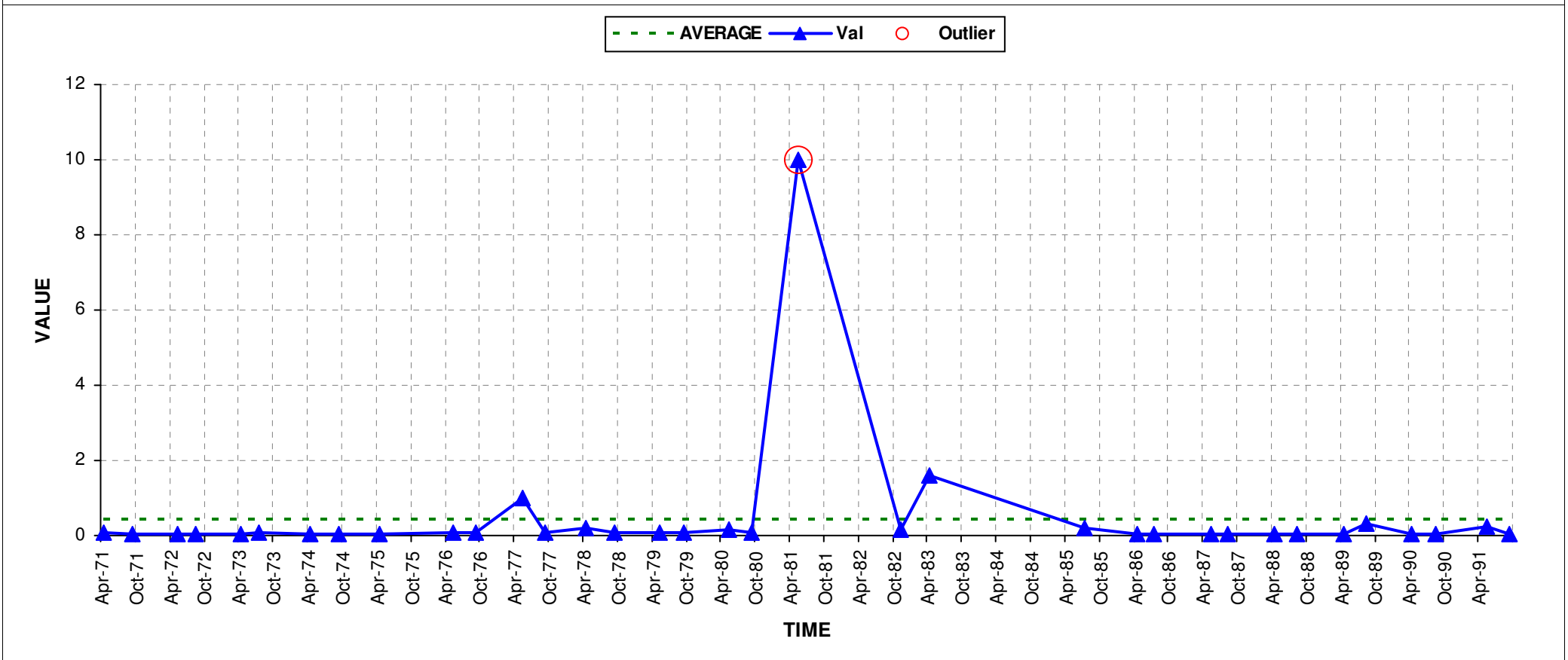
EE_GW_EE031

msStation_ID:

EE1093_6147

Outlier values ([ViolatedRule, Date]: Val):

[101, 05/05/1981]: 10



deWbName:

Ammonium

WaterbaseID:

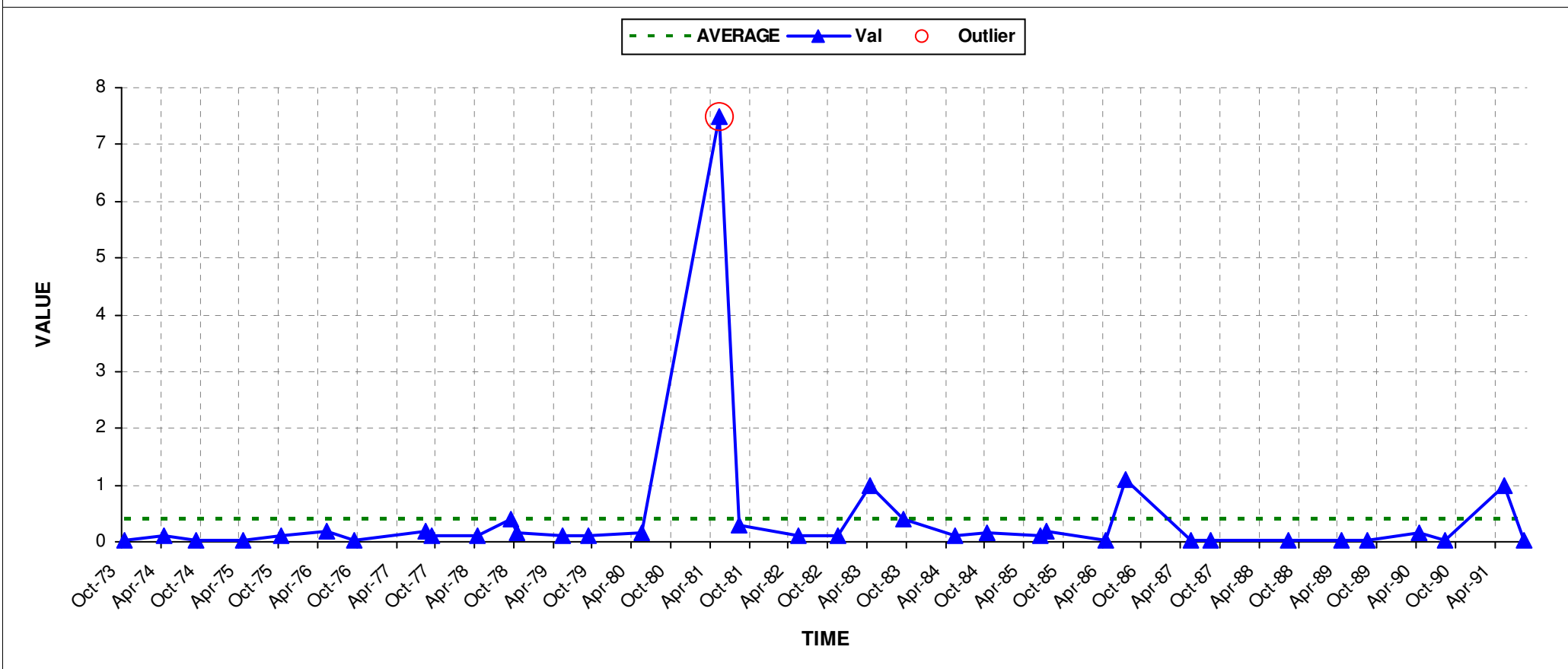
EE_GW_EE031

msStation_ID:

EE1171_19161

Outlier values ([ViolatedRule, Date]: Val):

[101, 05/05/1981]: 7.5



deWbName:

Ammonium

WaterbaseID:

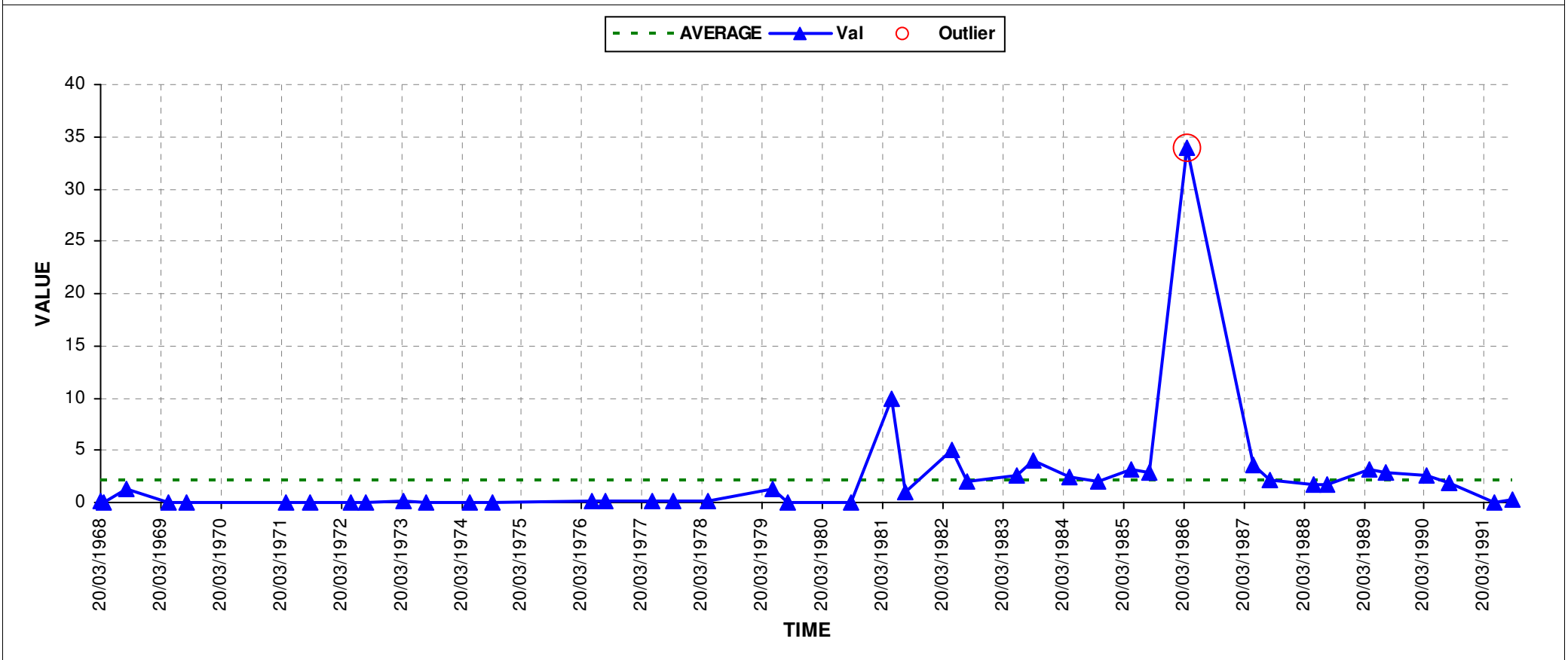
EE_GW_EE031

msStation_ID:

EE1203_11329

Outlier values ([ViolatedRule, Date]: Val):

[101, 11/04/1986]: 34



deWbName:

Ammonium

WaterbaseID:

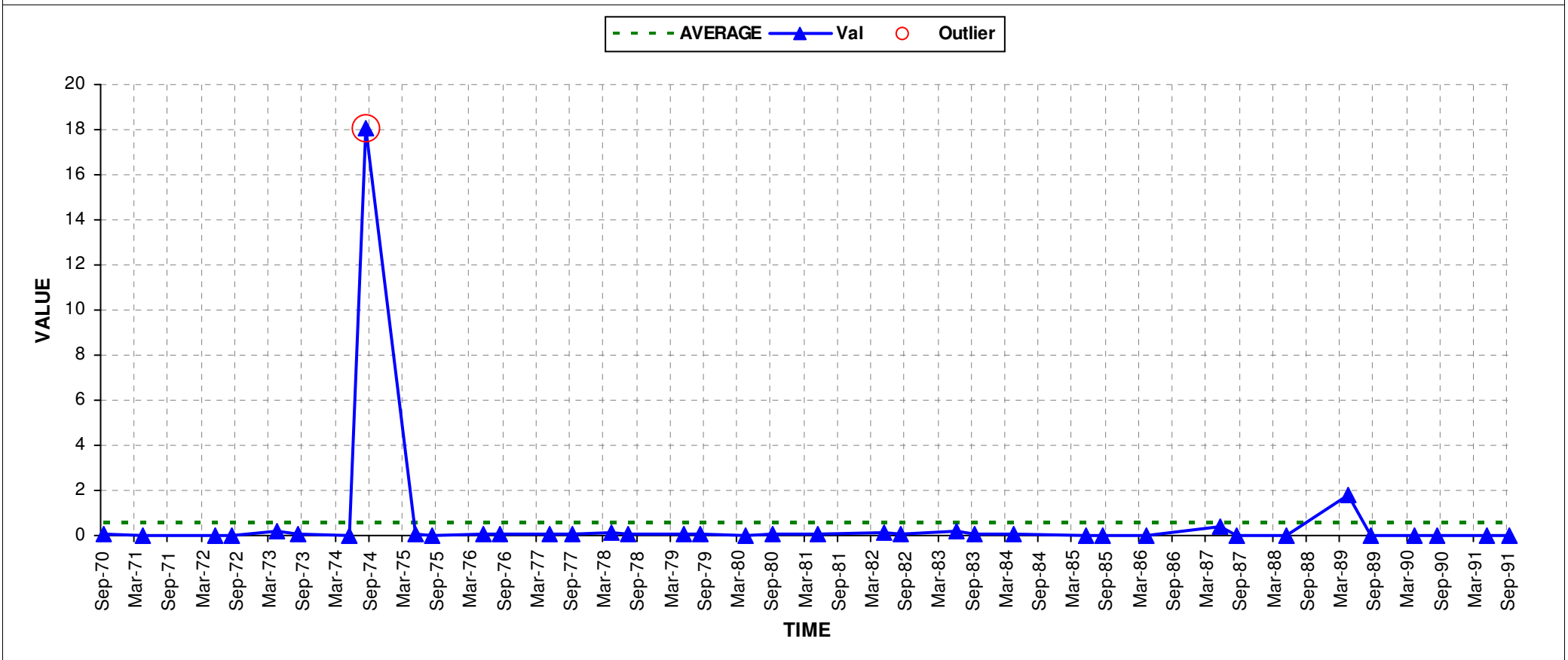
EE_GW_EE031

msStation_ID:

EE1206-B_11332

Outlier values ([ViolatedRule, Date]: Val):

[101, 01/08/1974]: 18.1



deWbName:

Ammonium

WaterbaseID:

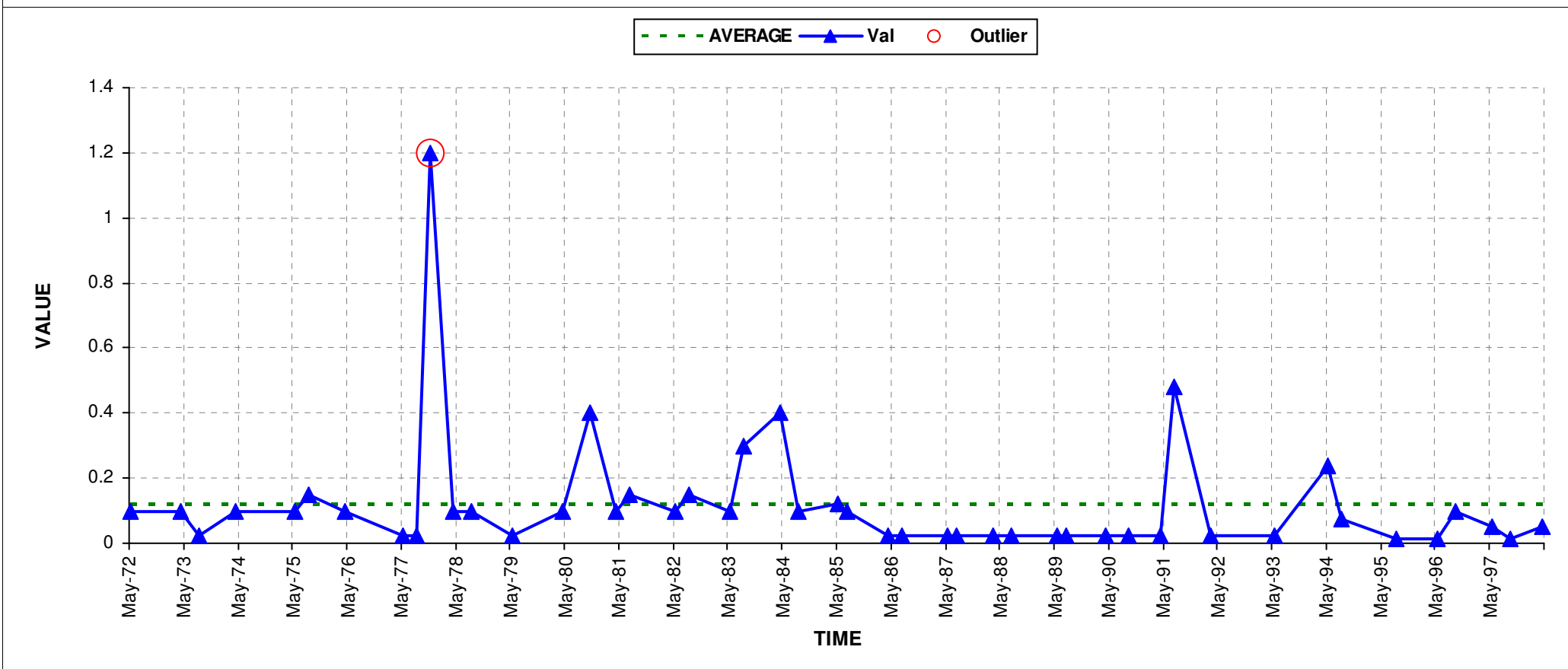
EE_GW_EE031

msStation_ID:

EE212_3228

Outlier values ([ViolatedRule, Date]: Val):

[101, 03/11/1977]: 1.2



deWbName:

Ammonium

WaterbaseID:

EE_GW_EE031

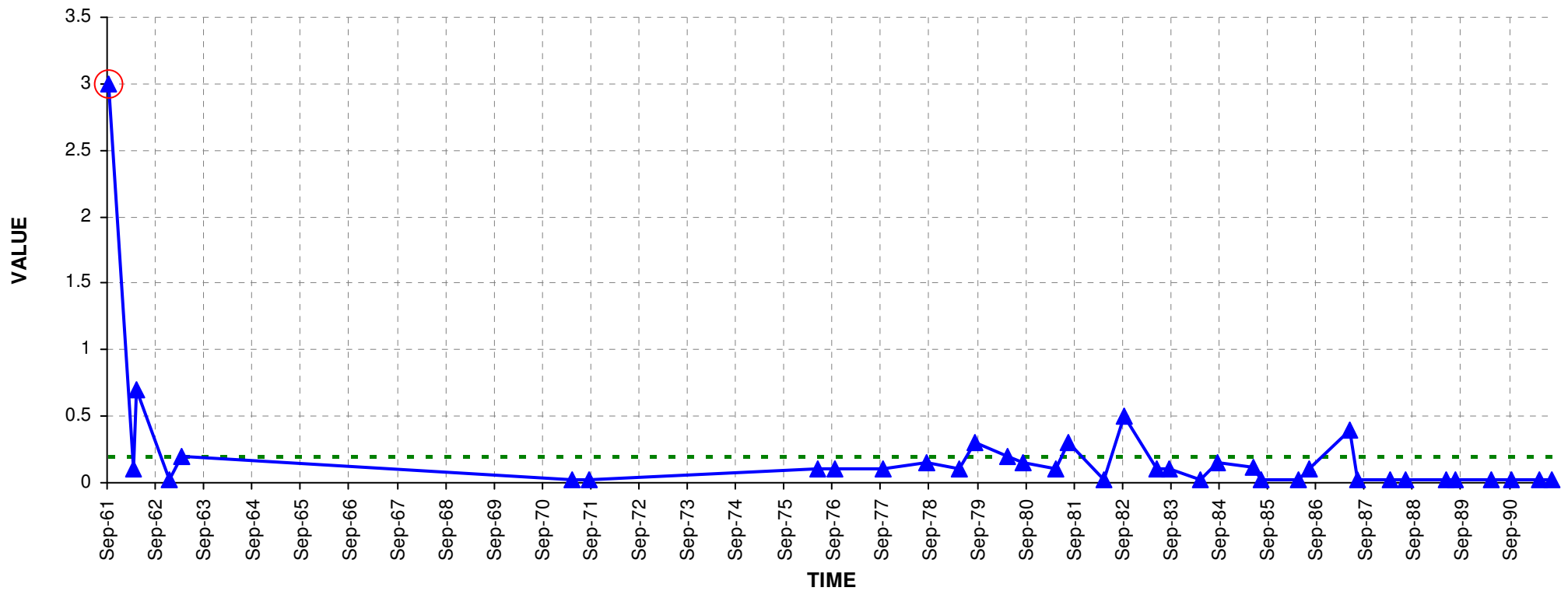
msStation_ID:

EE300_3428

Outlier values ([ViolatedRule, Date]: Val):

[101, 15/09/1961]: 3

--- AVERAGE ▲ Val ○ Outlier



deWbName:

Ammonium

WaterbaseID:

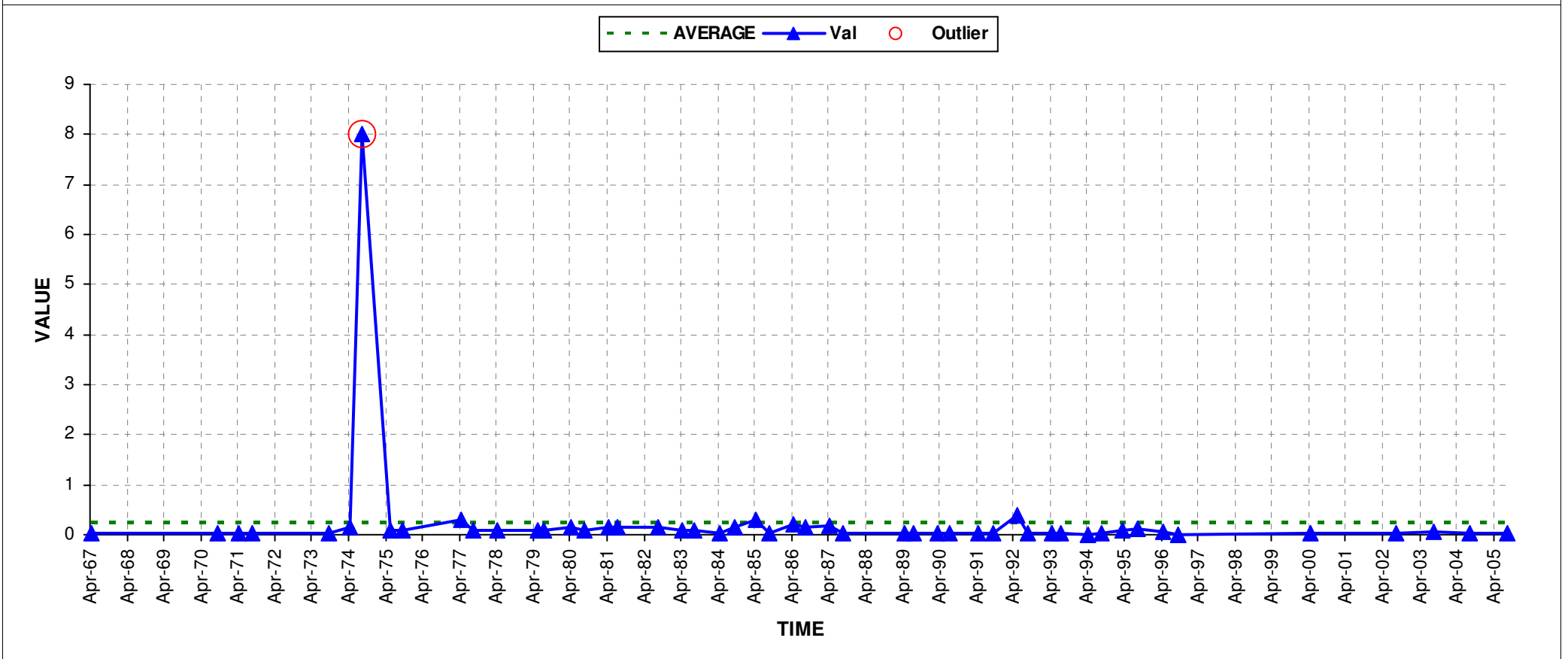
EE_GW_EE031

msStation_ID:

EE702-A_278

Outlier values ([ViolatedRule, Date]: Val):

[101, 29/08/1974]: 8



deWbName:

Ammonium

WaterbaseID:

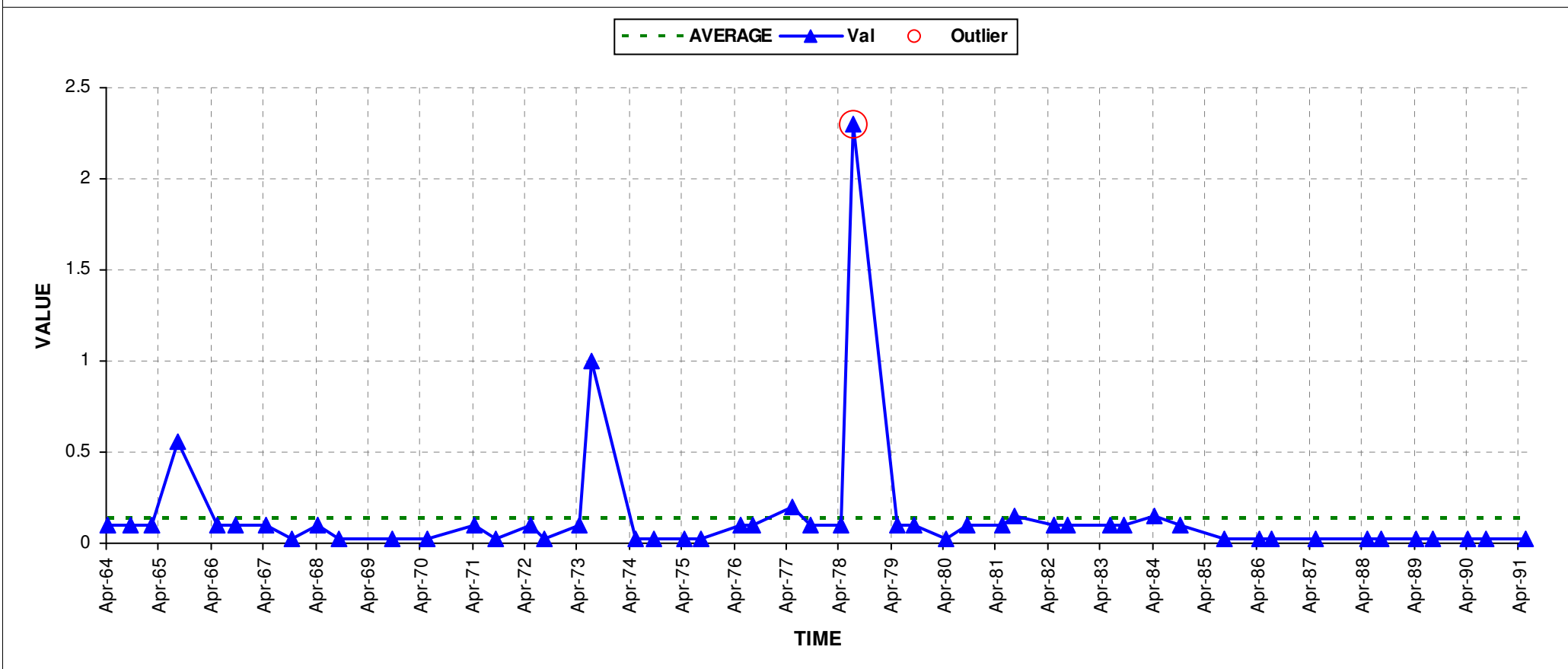
EE_GW_EE032

msStation_ID:

EE575_11425

Outlier values ([ViolatedRule, Date]: Val):

[101, 23/07/1978]: 2.3



deWbName:

Ammonium

WaterbaseID:

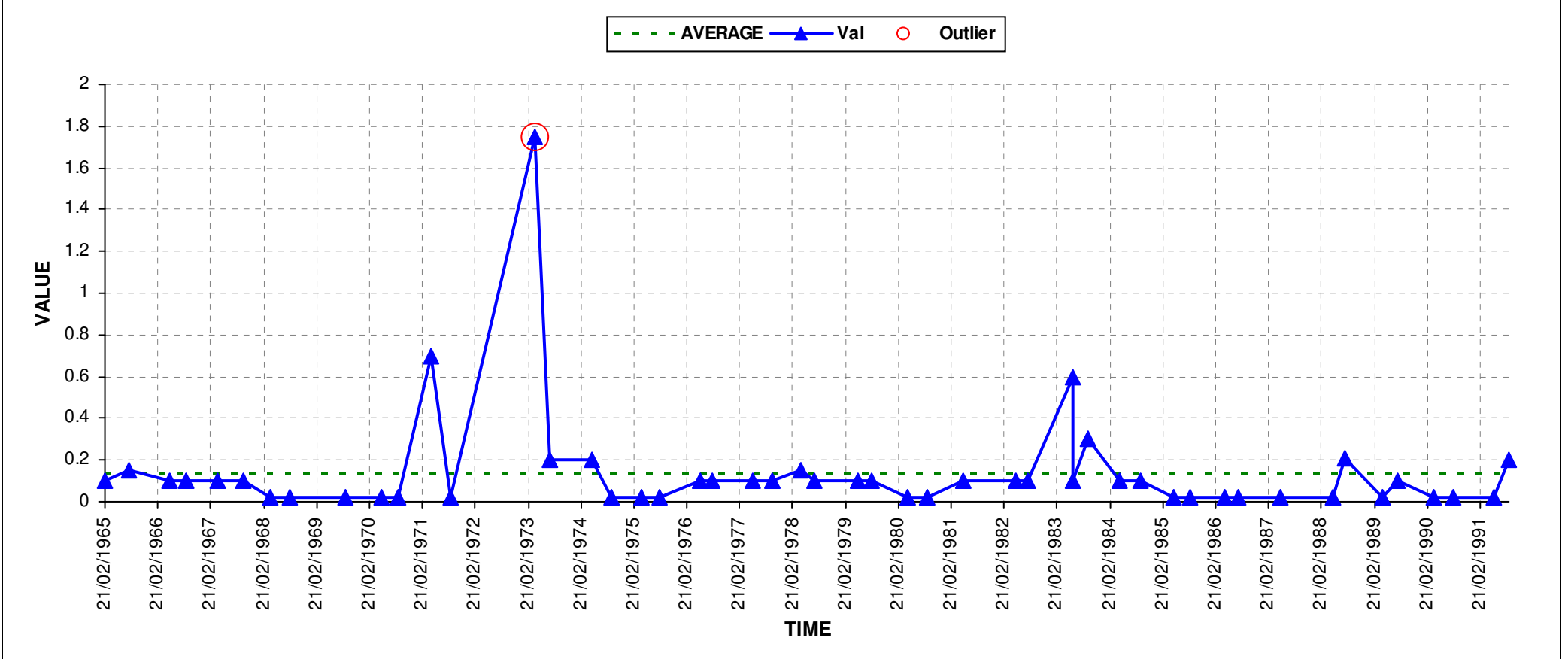
EE_GW_EE032

msStation_ID:

EE876_11495

Outlier values ([ViolatedRule, Date]: Val):

[101, 04/04/1973]: 1.75



deWbName:

Ammonium

WaterbaseID:

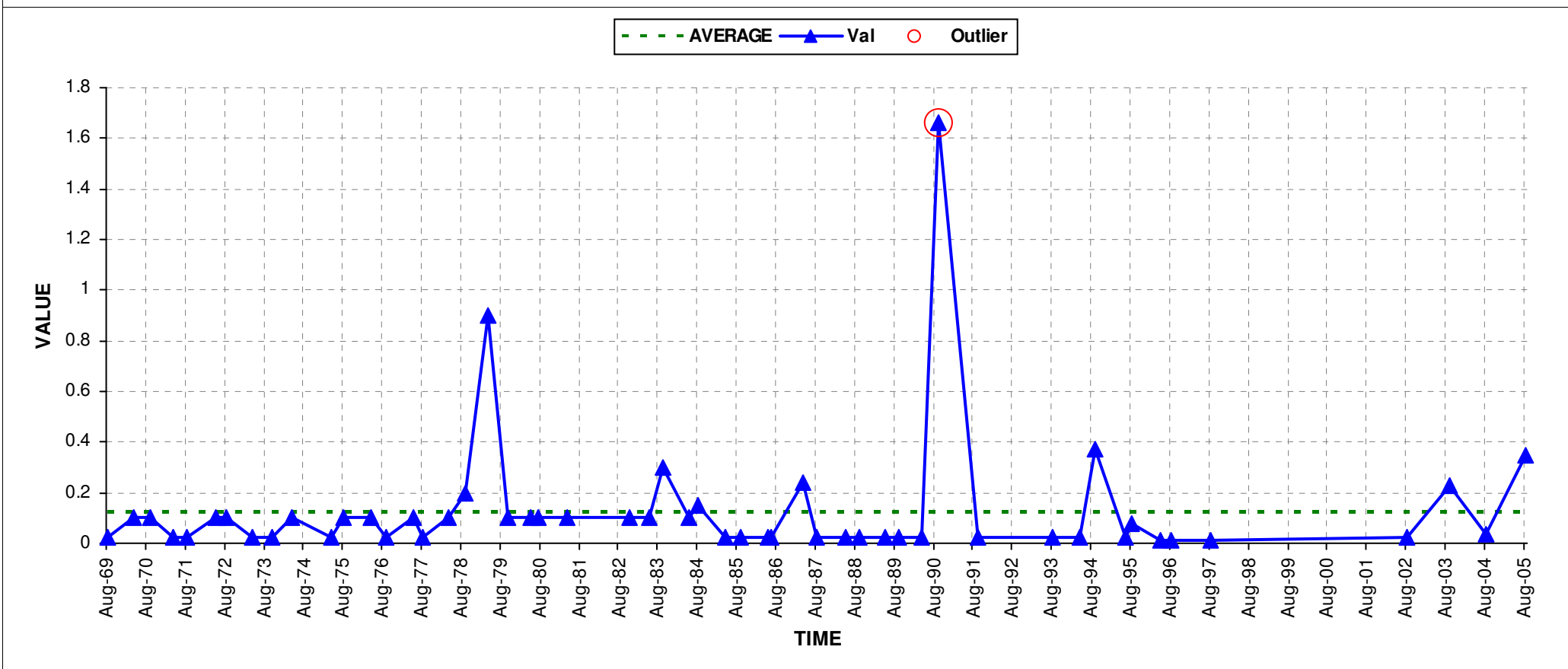
EE_GW_EE033

msStation_ID:

EE188_6611

Outlier values ([ViolatedRule, Date]: Val):

[101, 12/09/1990]: 1.66



deWbName:

Ammonium

WaterbaseID:

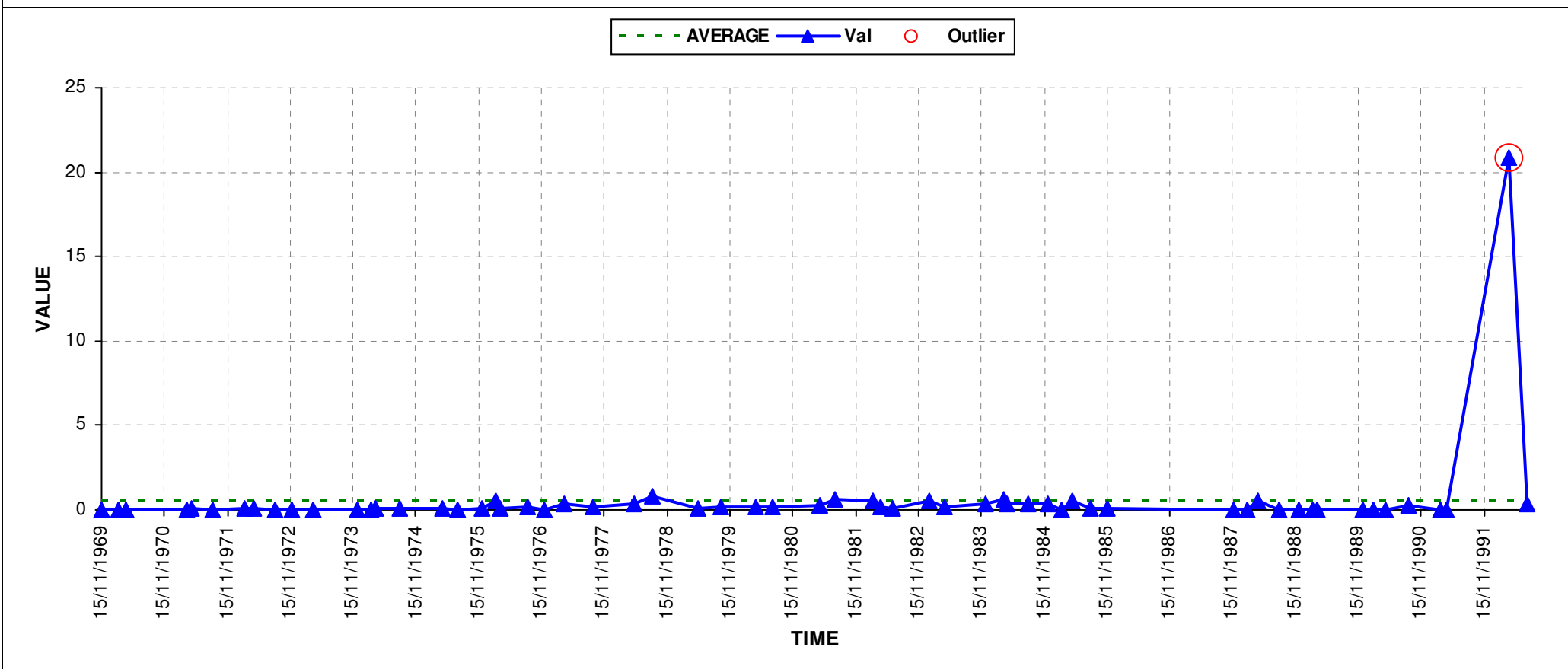
EE_GW_EE033

msStation_ID:

EE1-R_8662

Outlier values ([ViolatedRule, Date]: Val):

[101, 07/04/1992]: 20.9



deWbName:

Ammonium

WaterbaseID:

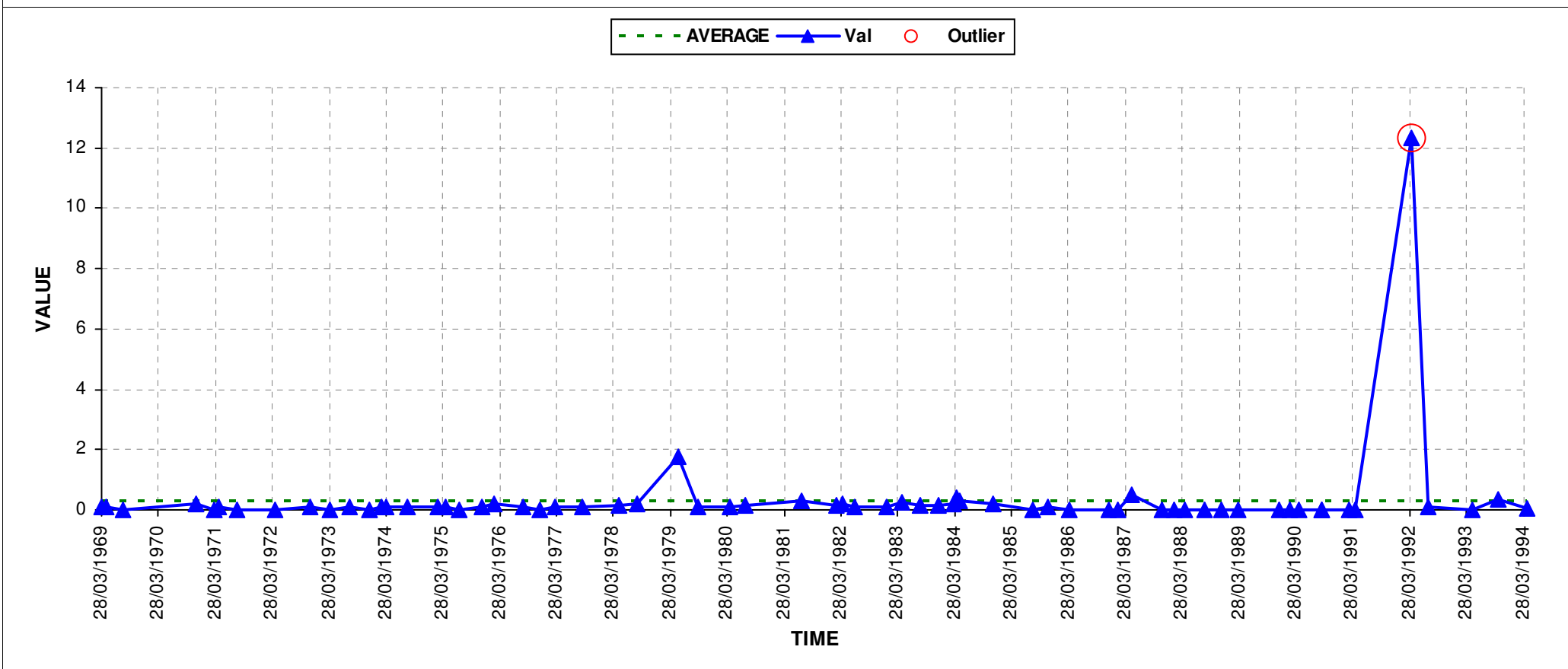
EE_GW_EE033

msStation_ID:

EE2-R_8670

Outlier values ([ViolatedRule, Date]: Val):

[101, 07/04/1992]: 12.35



deWbName:

Ammonium

WaterbaseID:

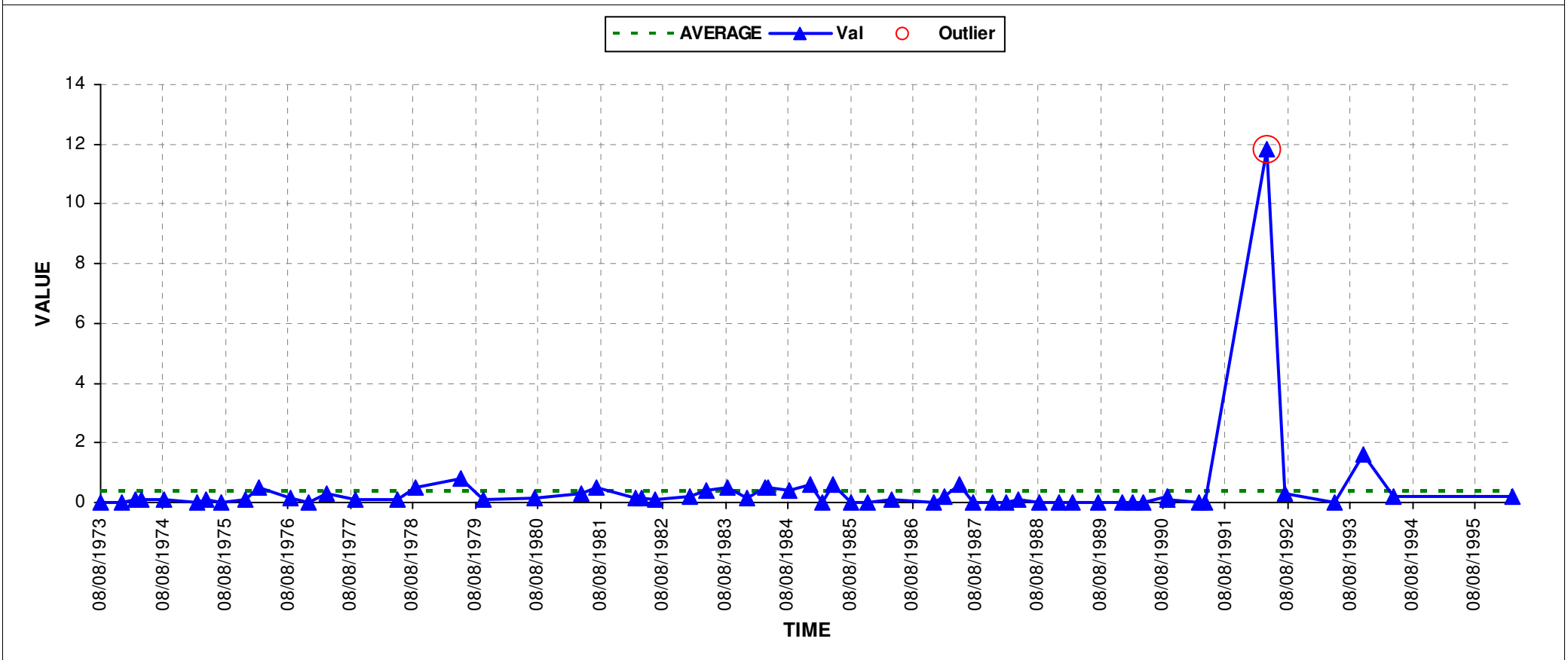
EE_GW_EE033

msStation_ID:

EE3-R_8677

Outlier values ([ViolatedRule, Date]: Val):

[101, 07/04/1992]: 11.85



deWbName:

Ammonium

WaterbaseID:

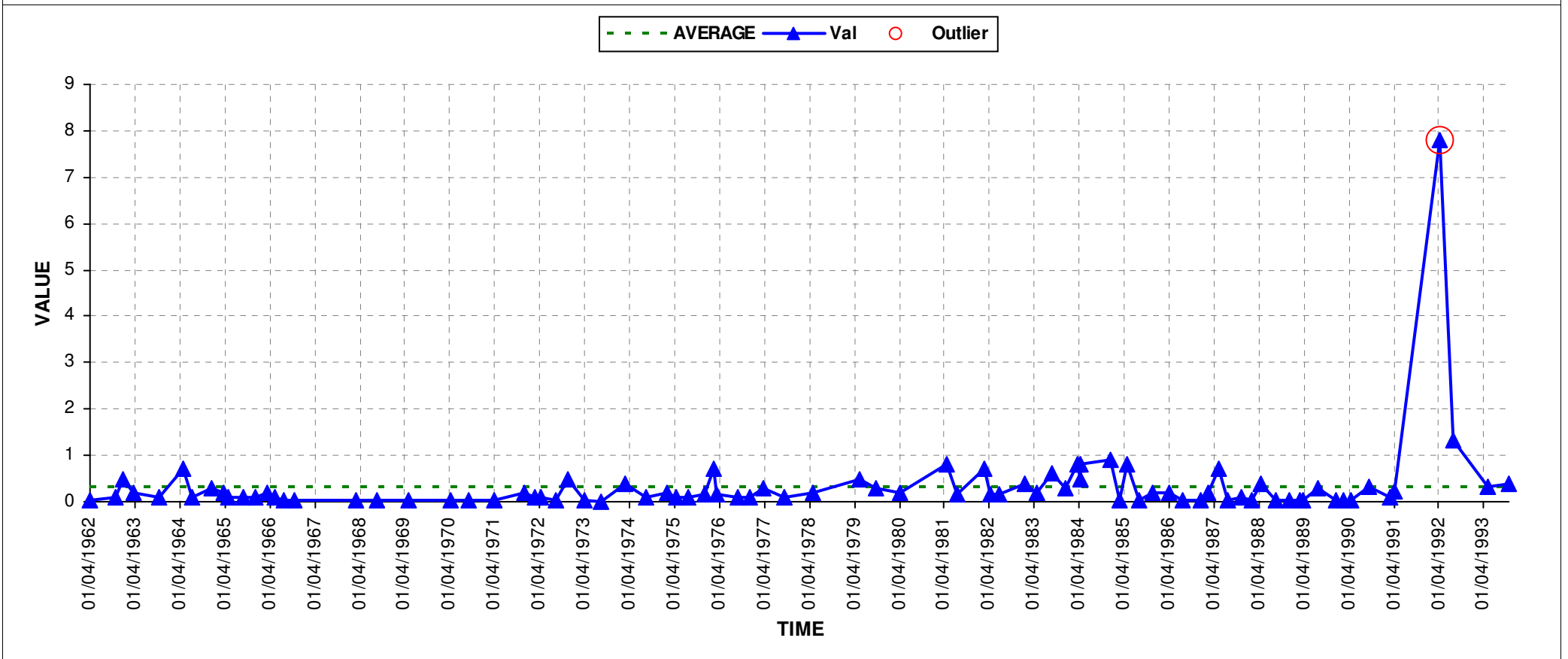
EE_GW_EE033

msStation_ID:

EE501_8632

Outlier values ([ViolatedRule, Date]: Val):

[101, 07/04/1992]: 7.8



deWbName:

Ammonium

WaterbaseID:

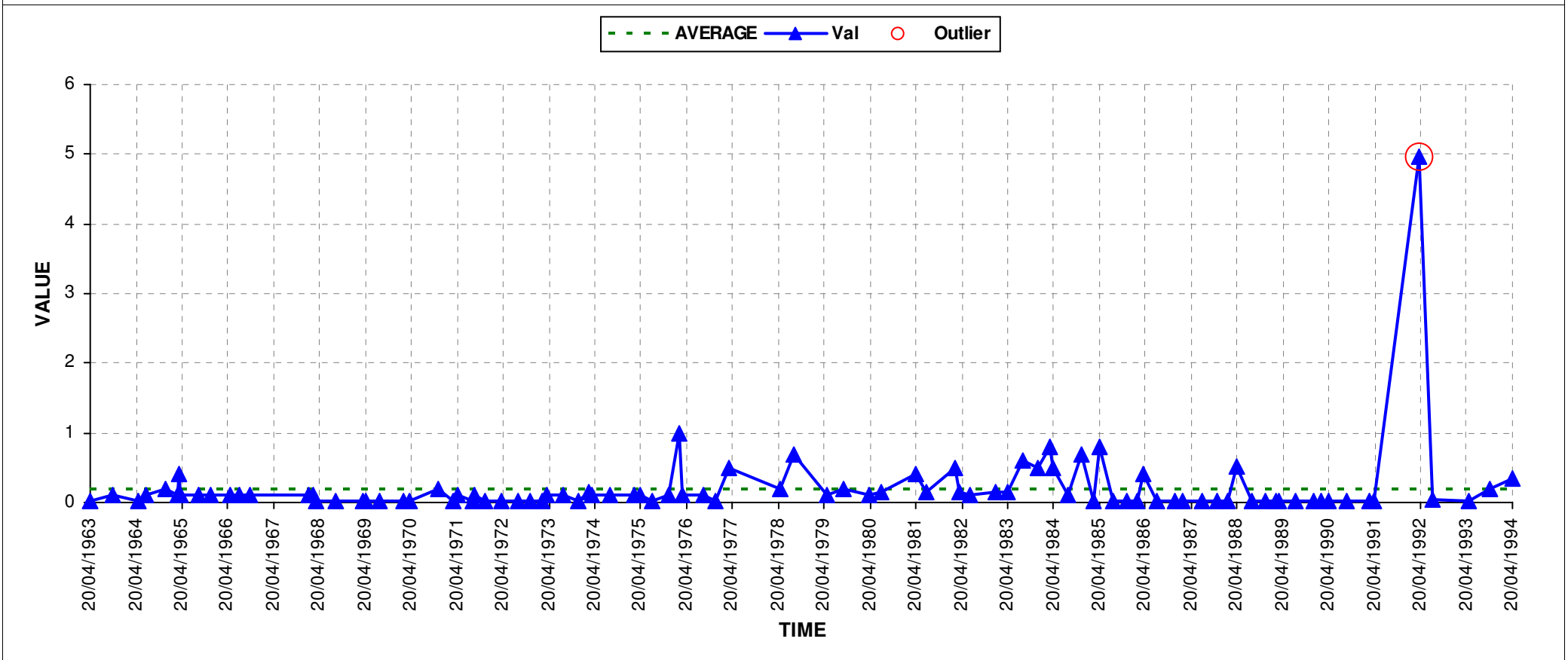
EE_GW_EE033

msStation_ID:

EE508_8633

Outlier values ([ViolatedRule, Date]: Val):

[101, 07/04/1992]: 4.97



deWbName:

Ammonium

WaterbaseID:

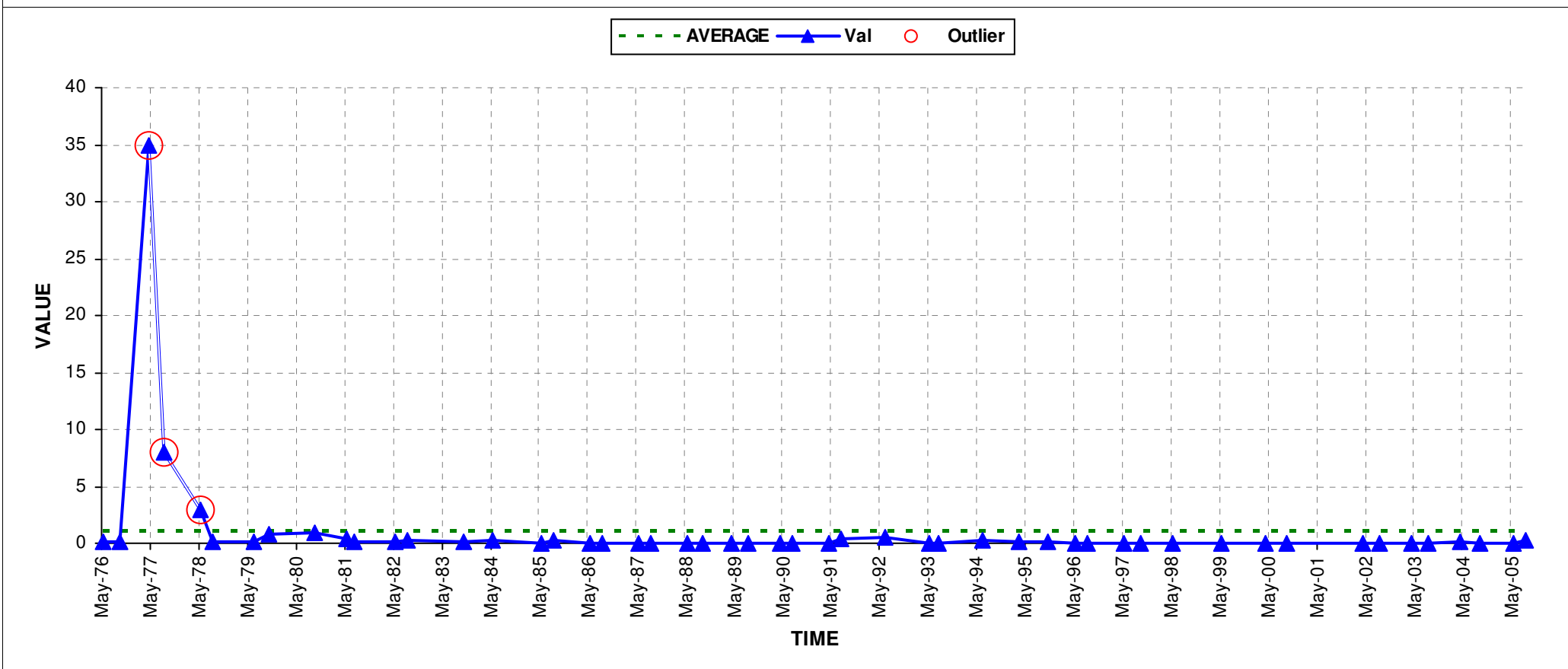
EE_GW_EE033

msStation_ID:

EE935-A_3062

Outlier values ([ViolatedRule, Date]: Val):

[101, 12/04/1977]: 35; [Expert, 30/08/1977]: 8; [Expert, 24/05/1978]: 3



deWbName:

Ammonium

WaterbaseID:

EE_GW_EE033

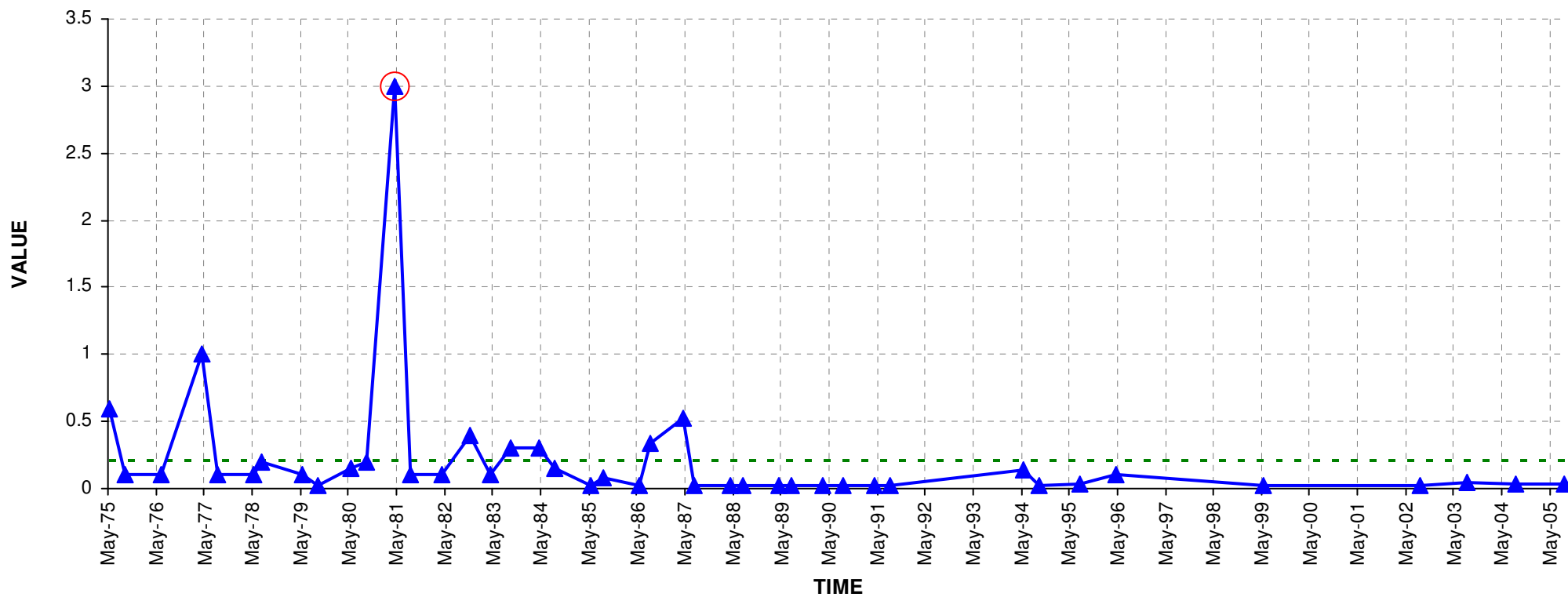
msStation_ID:

EE940_9418

Outlier values ([ViolatedRule, Date]: Val):

[101, 23/04/1981]: 3

--- AVERAGE ▲ Val ○ Outlier



deWbName:

Ammonium

WaterbaseID:

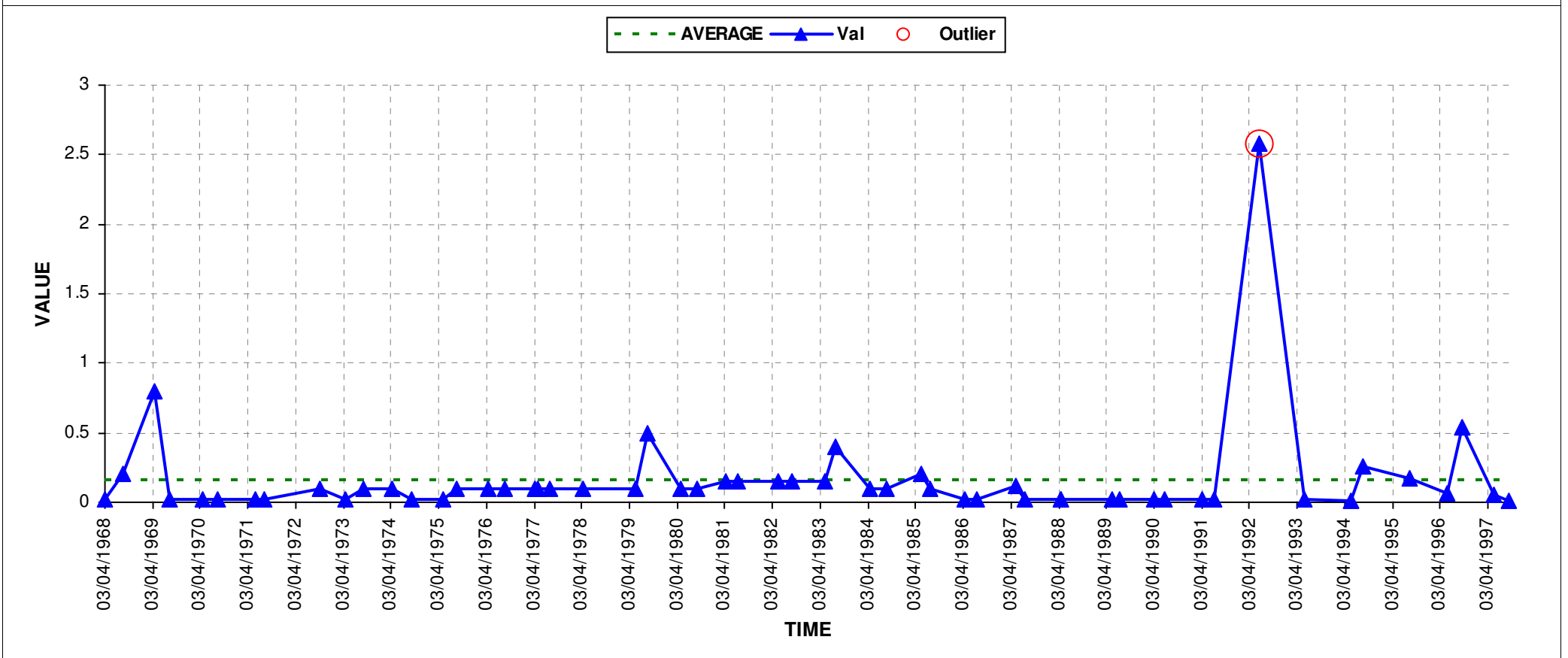
EE_GW_EE033

msStation_ID:

EE947_2594

Outlier values ([ViolatedRule, Date]: Val):

[101, 18/06/1992]: 2.58



deWbName:

Ammonium

WaterbaseID:

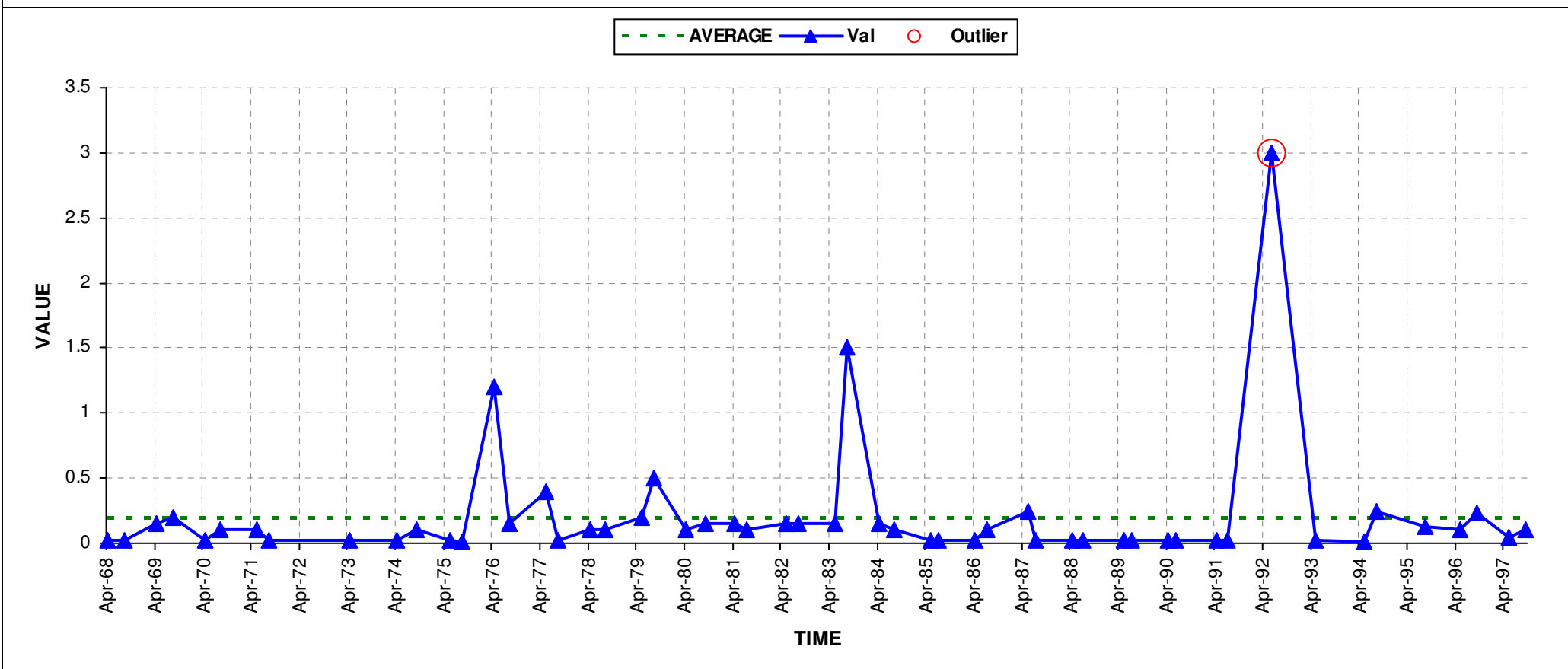
EE_GW_EE033

msStation_ID:

EE948_2593

Outlier values ([ViolatedRule, Date]: Val):

[101, 18/06/1992]: 3



deWbName:

Ammonium

WaterbaseID:

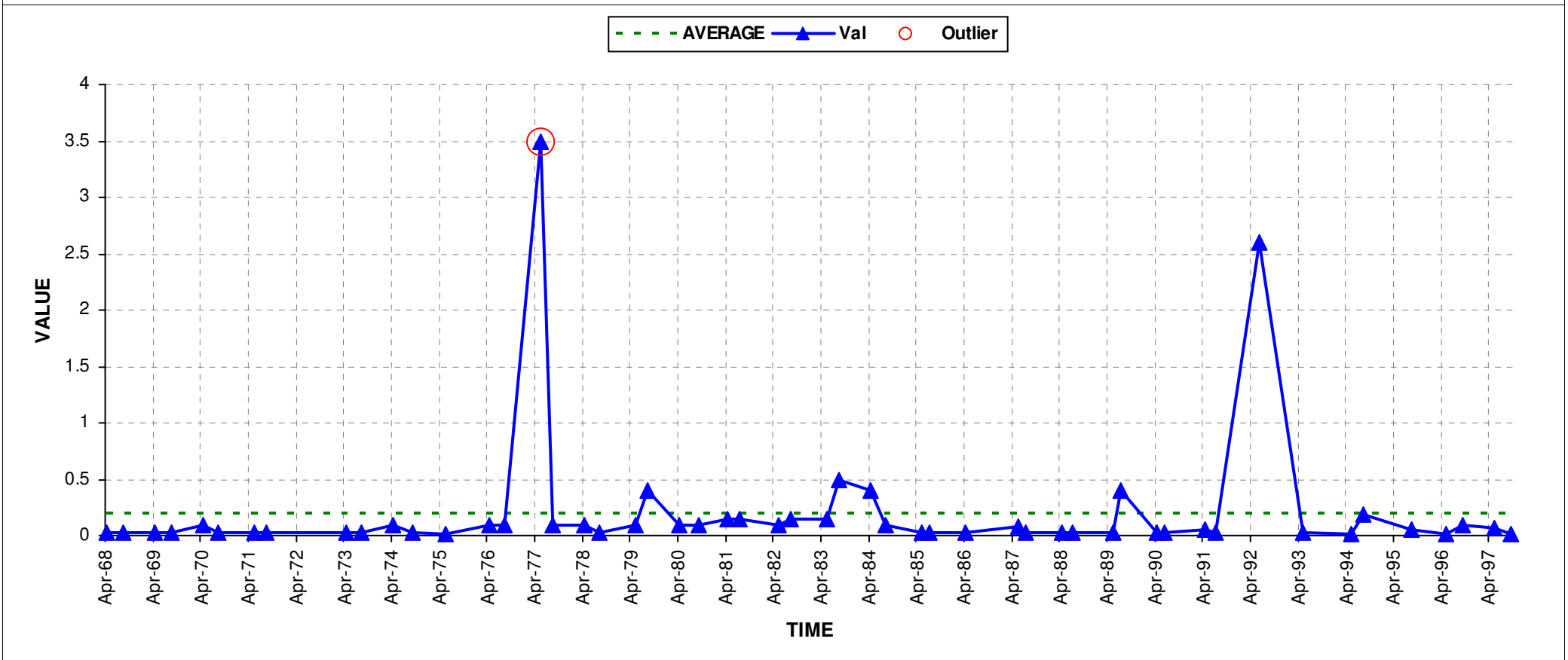
EE_GW_EE033

msStation_ID:

EE949_2595

Outlier values ([ViolatedRule, Date]: Val):

[101, 06/05/1977]: 3.5



deWbName:

Ammonium

WaterbaseID:

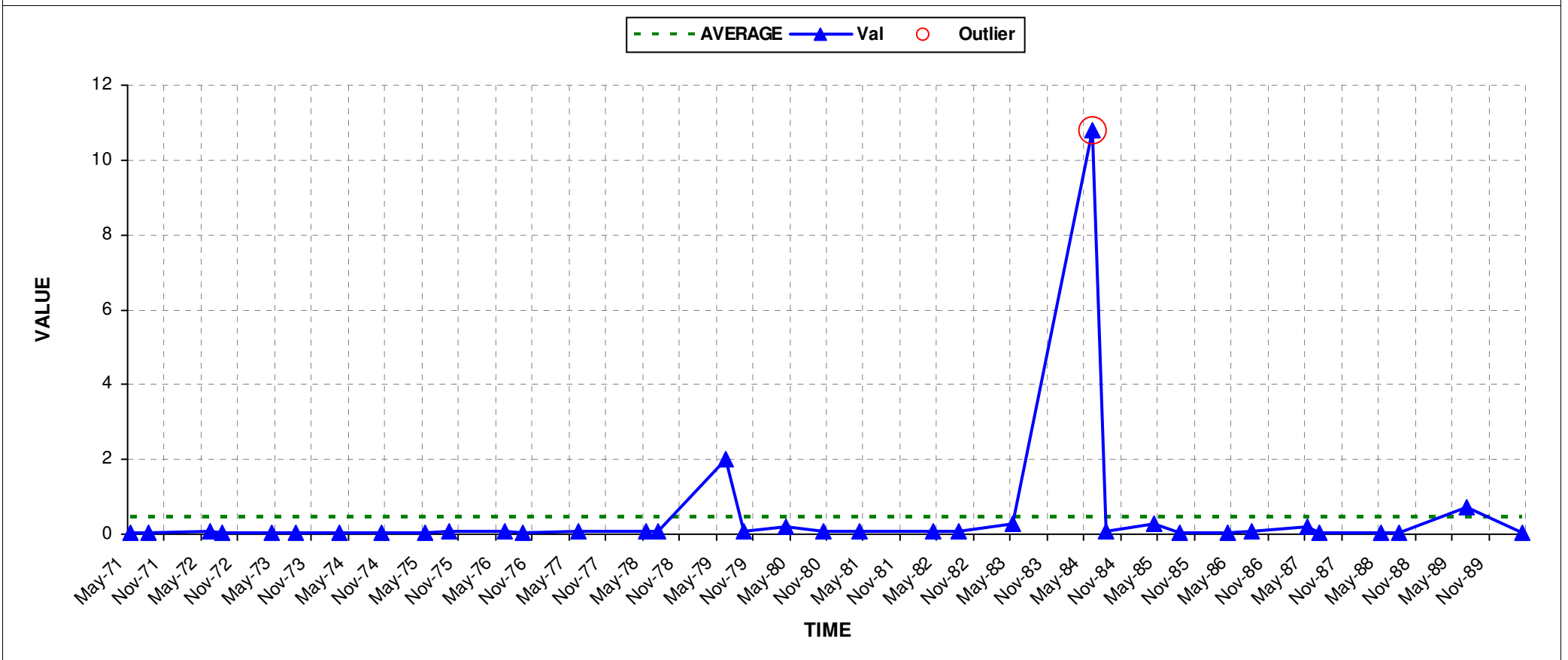
EE_GW_EE033

msStation_ID:

EE988_13708

Outlier values ([ViolatedRule, Date]: Val):

[101, 05/06/1984]: 10.8



deWbName:

Ammonium

WaterbaseID:

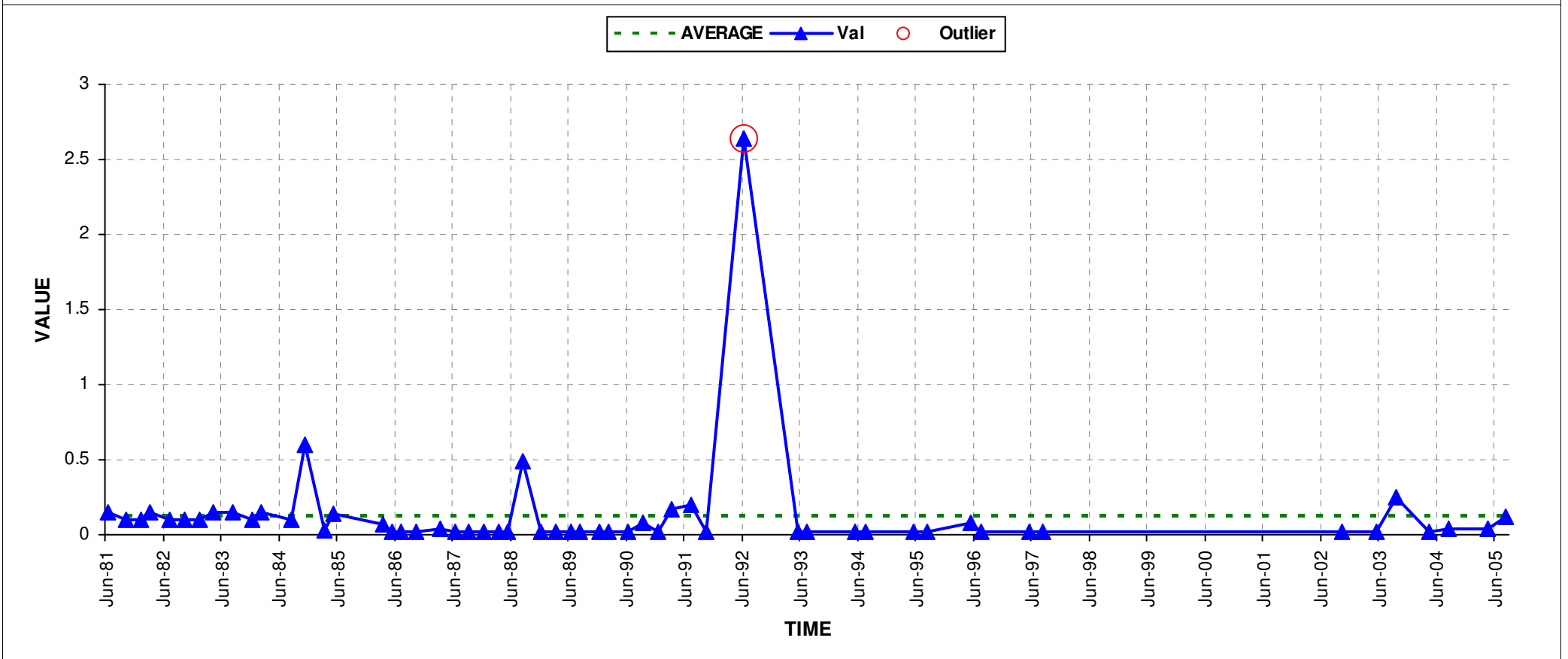
EE_GW_EE033

msStation_ID:

EEA09

Outlier values ([ViolatedRule, Date]: Val):

[101, 03/06/1992]: 2.64



deWbName:

Ammonium

WaterbaseID:

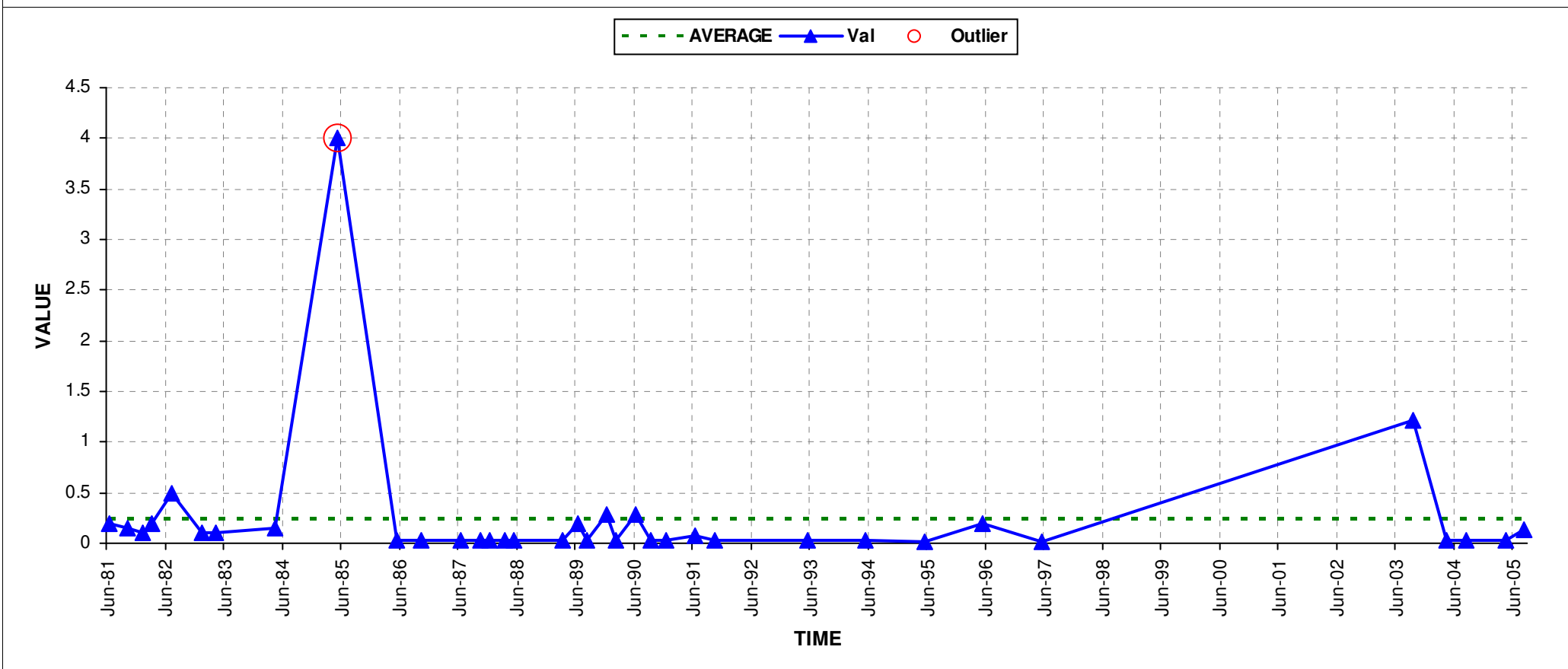
EE_GW_EE033

msStation_ID:

EEA18

Outlier values ([ViolatedRule, Date]: Val):

[101, 05/05/1985]: 4



deWbName:

Ammonium

WaterbaseID:

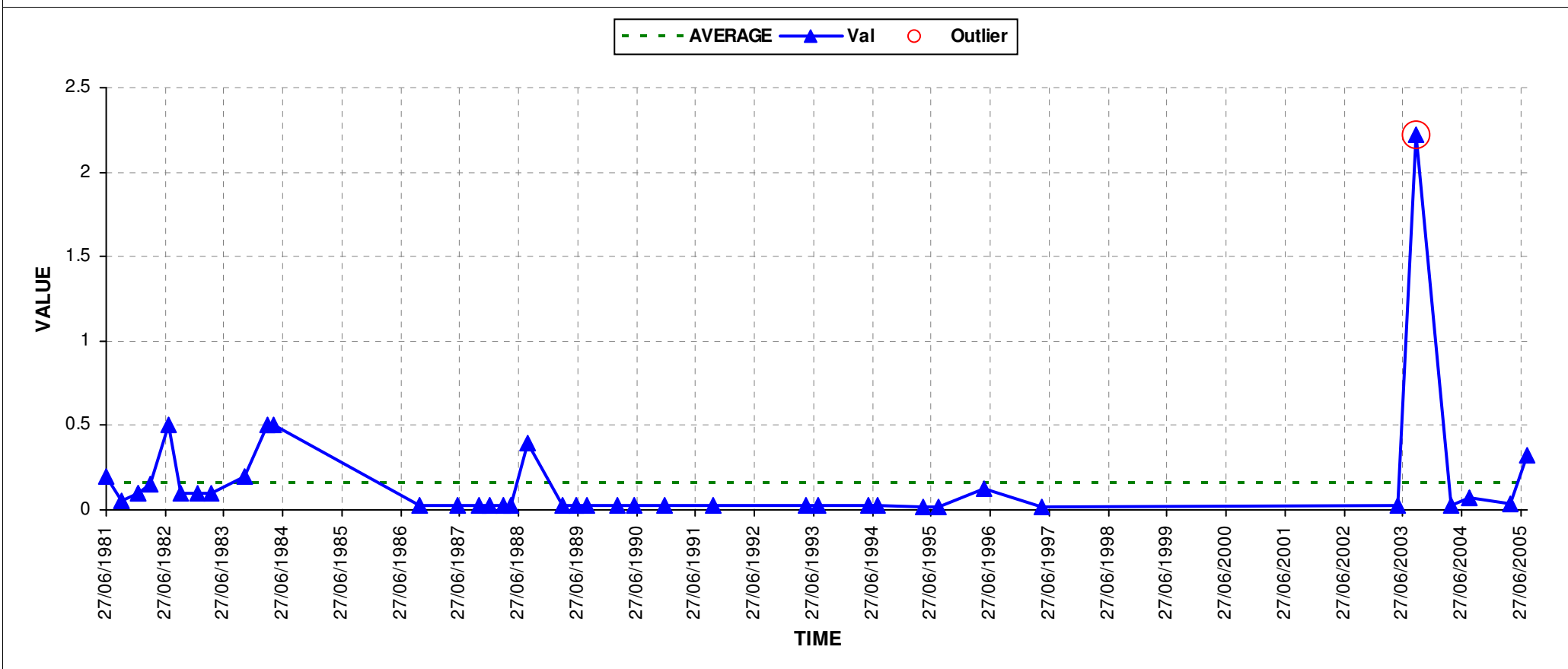
EE_GW_EE033

msStation_ID:

EEA28

Outlier values ([ViolatedRule, Date]: Val):

[101, 11/09/2003]: 2.22



deWbName:

Ammonium

WaterbaseID:

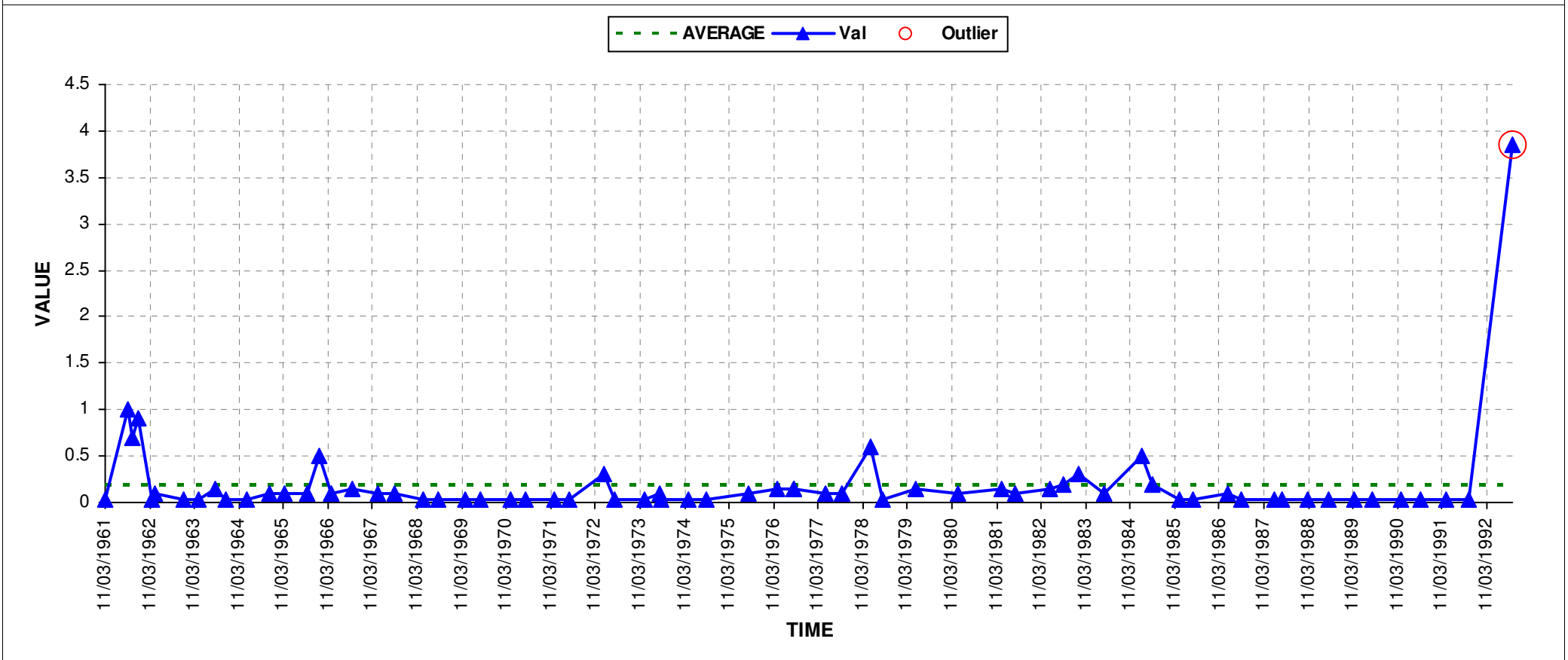
EE_GW_EE034

msStation_ID:

EE557_2254

Outlier values ([ViolatedRule, Date]: Val):

[101, 06/10/1992]: 3.86



deWbName:

Ammonium

WaterbaseID:

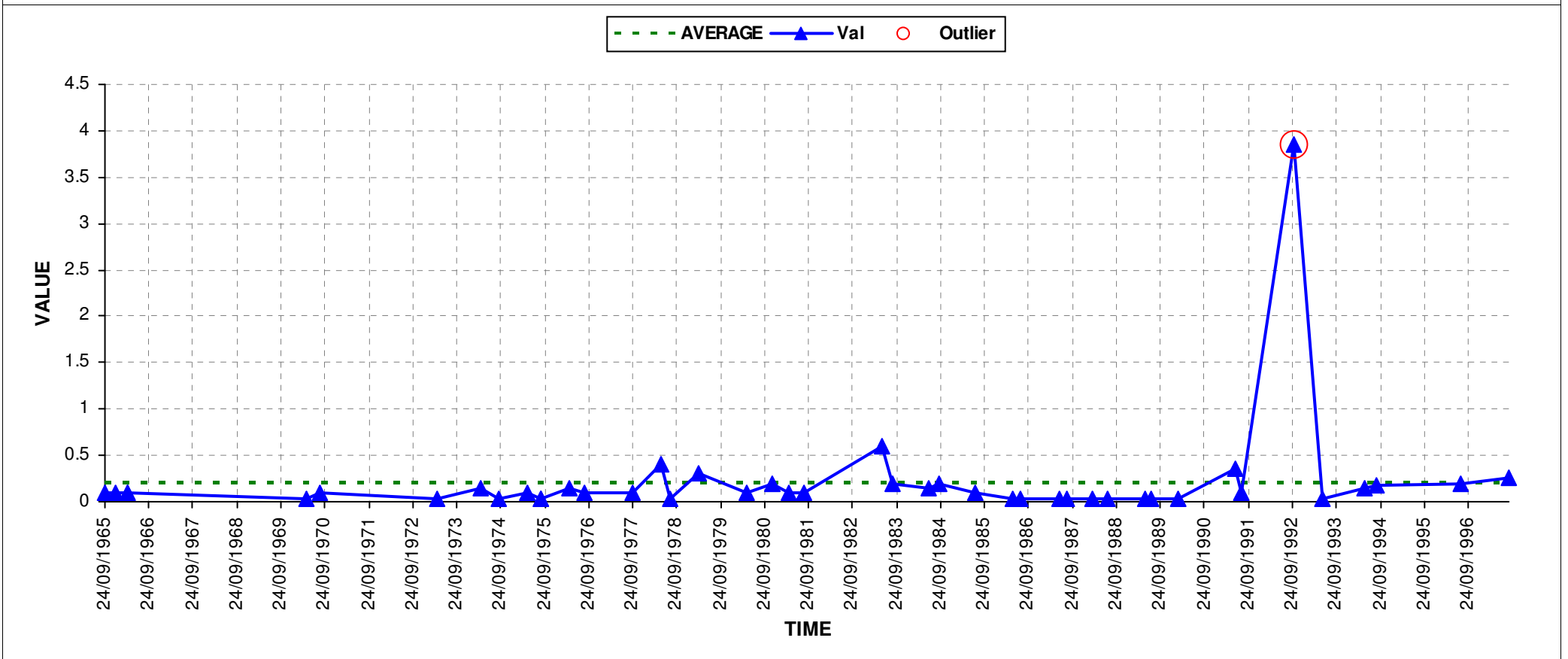
EE_GW_EE035

msStation_ID:

EE558_2291

Outlier values ([ViolatedRule, Date]: Val):

[101, 07/10/1992]: 3.86



deWbName:

Ammonium

WaterbaseID:

EE_GW_EE035

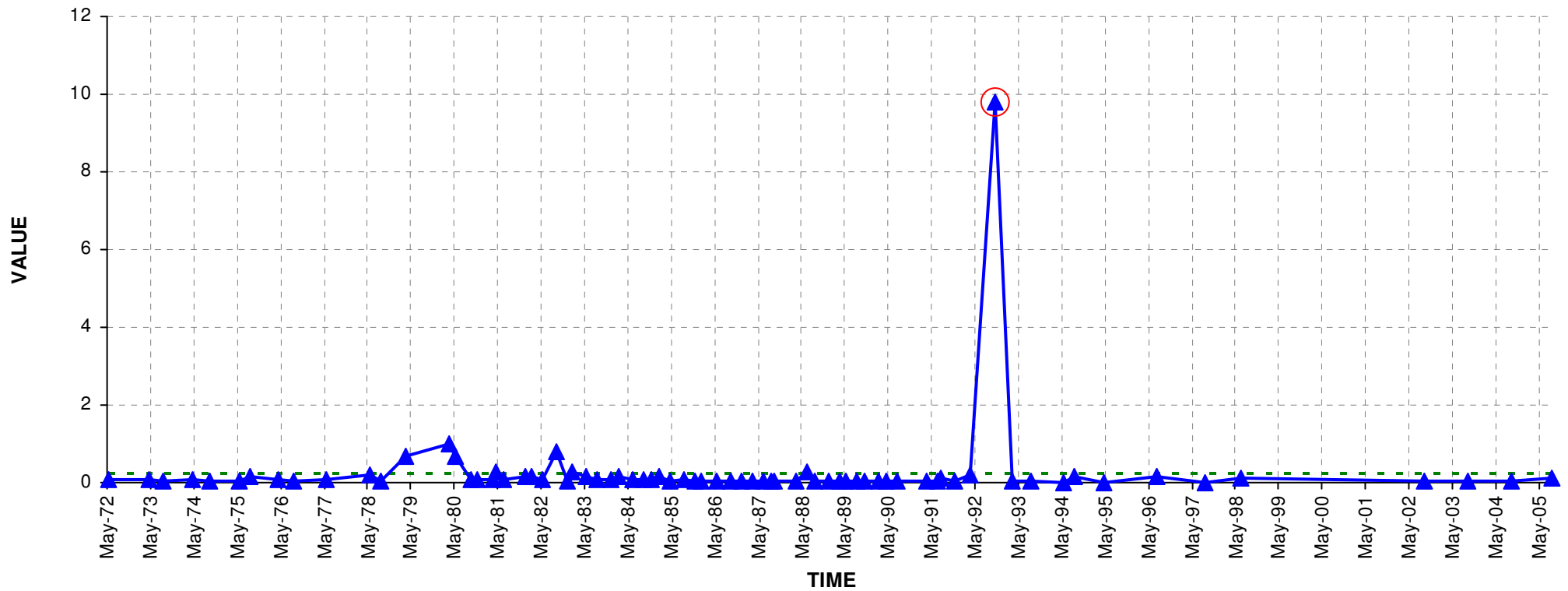
msStation_ID:

EE580-A_2198

Outlier values ([ViolatedRule, Date]: Val):

[101, 06/10/1992]: 9.8

--- AVERAGE ▲ Val ○ Outlier



deWbName:

Ammonium

WaterbaseID:

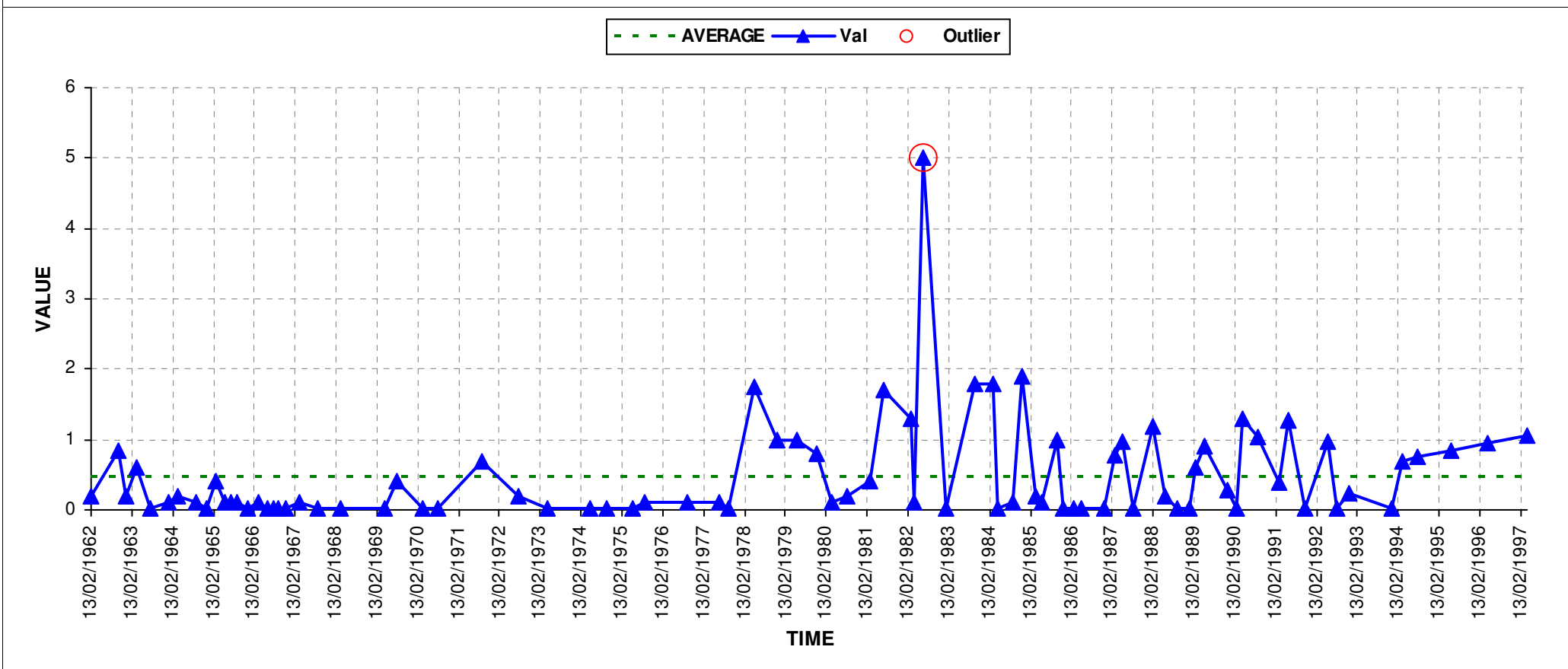
EE_GW_EE035

msStation_ID:

EE705_36

Outlier values ([ViolatedRule, Date]: Val):

[101, 29/06/1982]: 5



deWbName:

Ammonium

WaterbaseID:

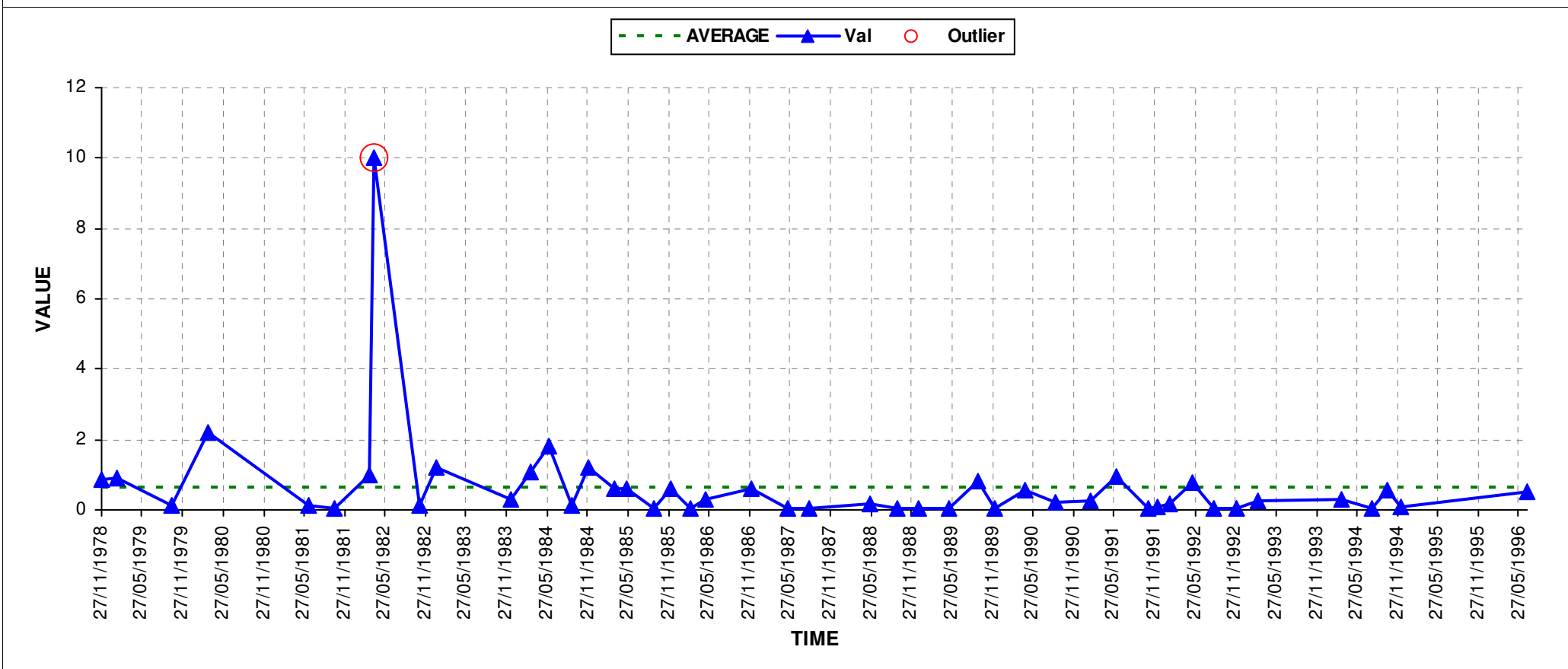
EE_GW_EE035

msStation_ID:

EE724_235

Outlier values ([ViolatedRule, Date]: Val):

[101, 08/04/1982]: 10



deWbName:

Ammonium

WaterbaseID:

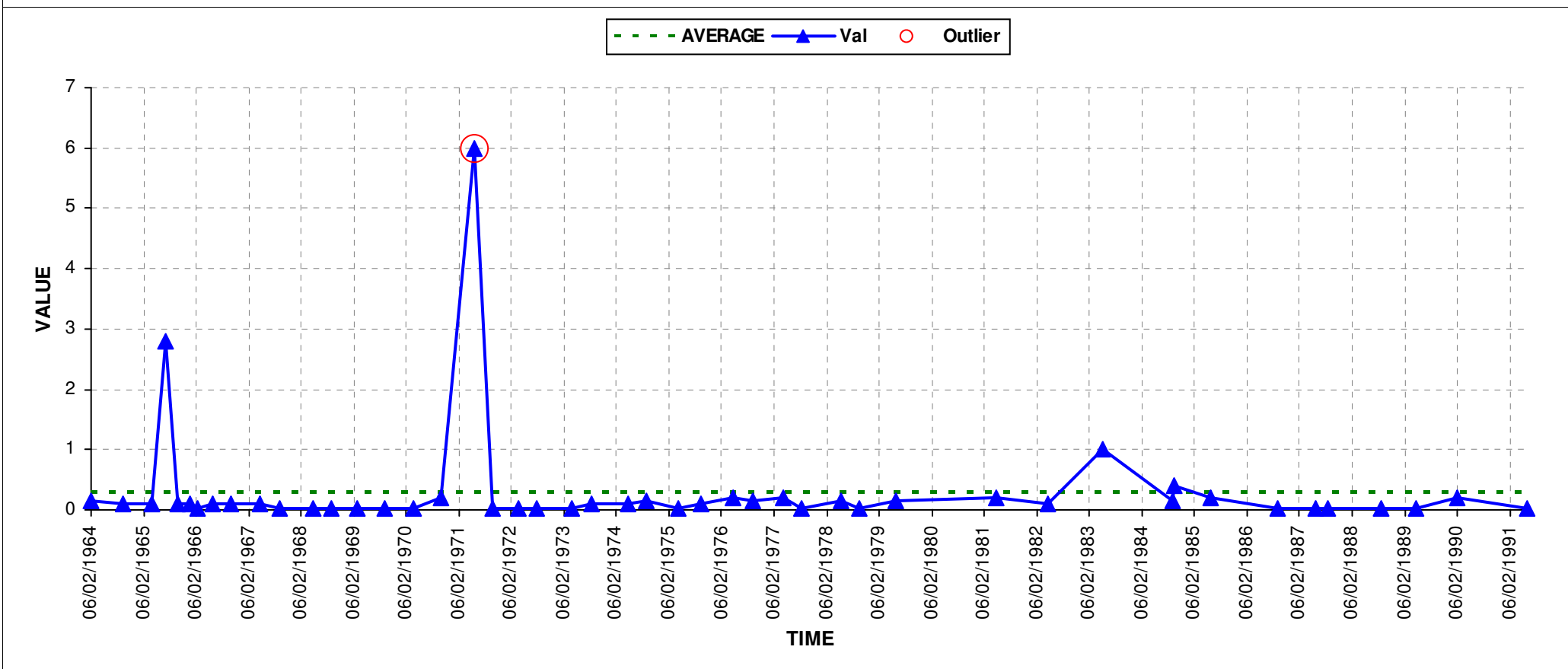
EE_GW_EE035

msStation_ID:

EE868_678

Outlier values ([ViolatedRule, Date]: Val):

[101, 21/05/1971]: 6



deWbName:

Ammonium

WaterbaseID:

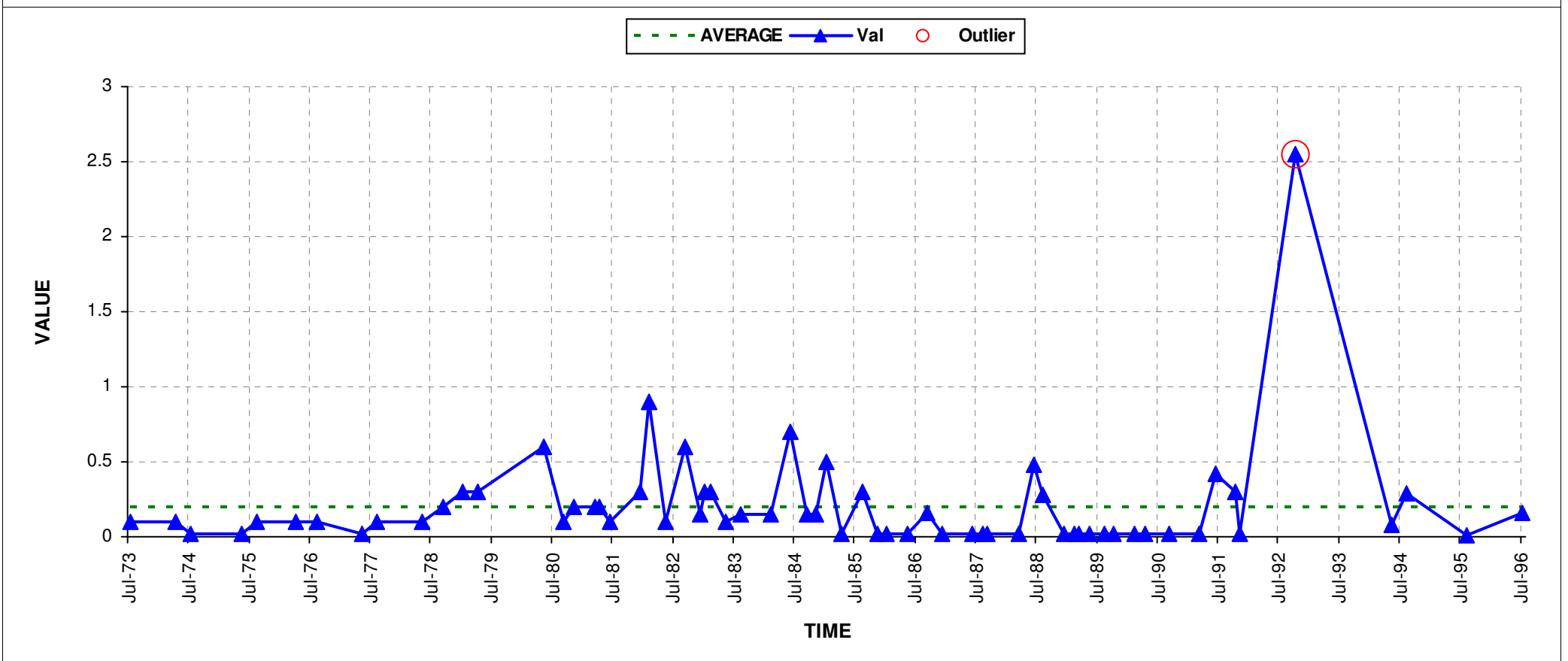
EE_GW_EE035

msStation_ID:

EE934_2473

Outlier values ([ViolatedRule, Date]: Val):

[101, 06/10/1992]: 2.55



deWbName:

Nitrate

WaterbaseID:

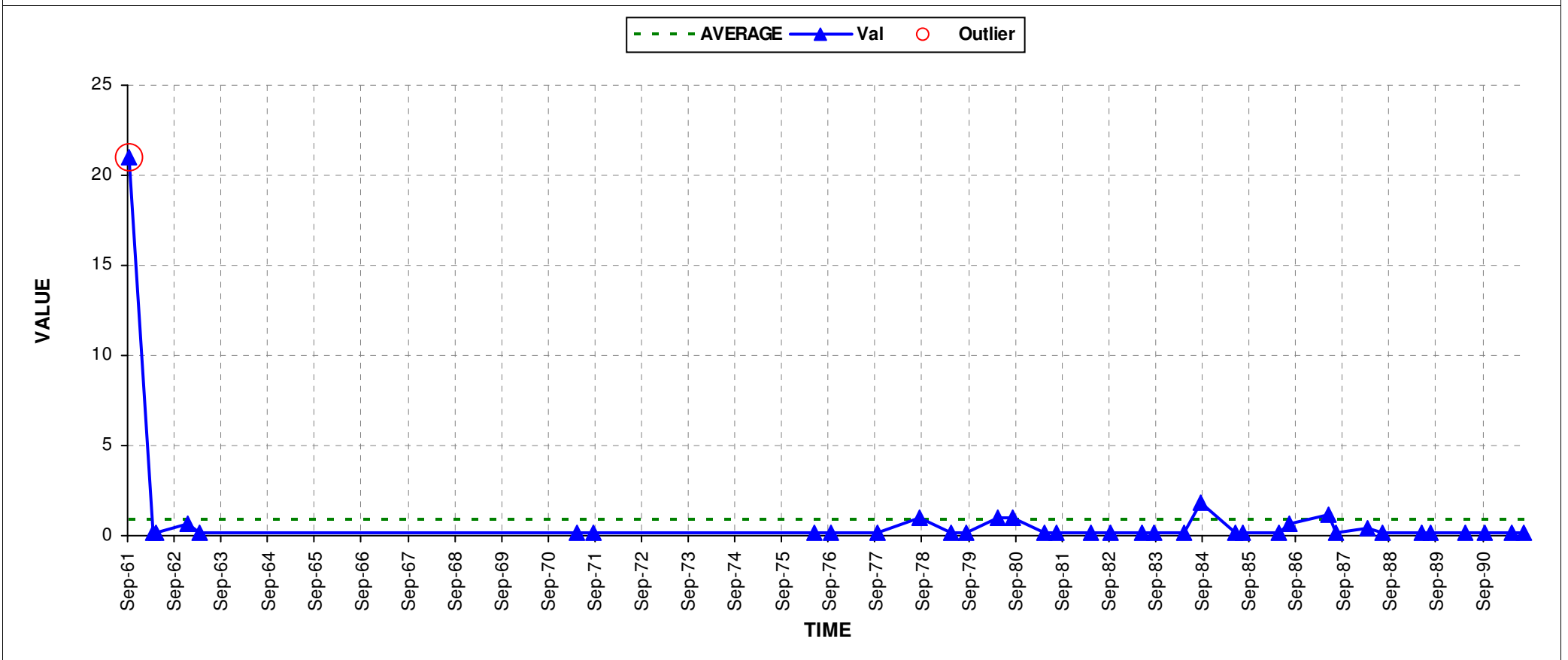
EE_GW_EE031

msStation_ID:

EE300_3428

Outlier values ([ViolatedRule, Date]: Val):

[101, 15/09/1961]: 21



deWbName:

Nitrate

WaterbaseID:

EE_GW_EE031

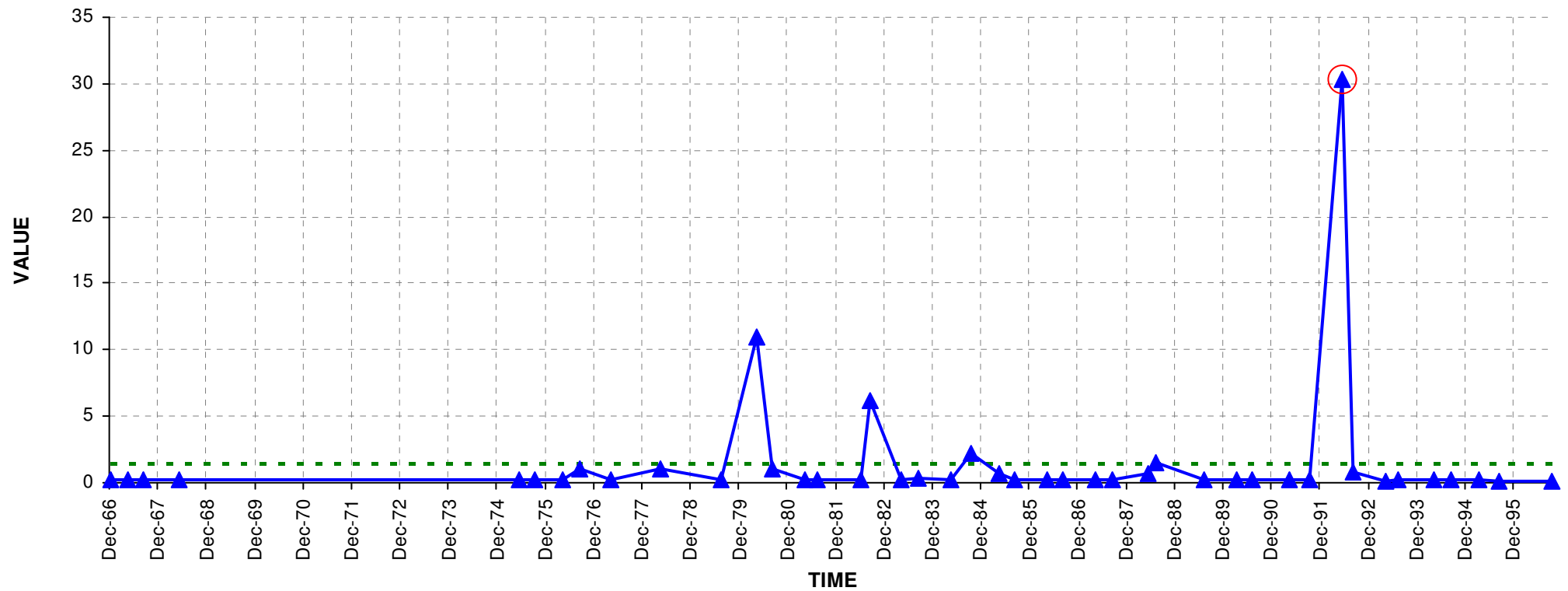
msStation_ID:

EE704_276

Outlier values ([ViolatedRule, Date]: Val):

[101, 06/05/1992]: 30.3

--- AVERAGE ▲ Val ○ Outlier



deWbName:

Nitrate

WaterbaseID:

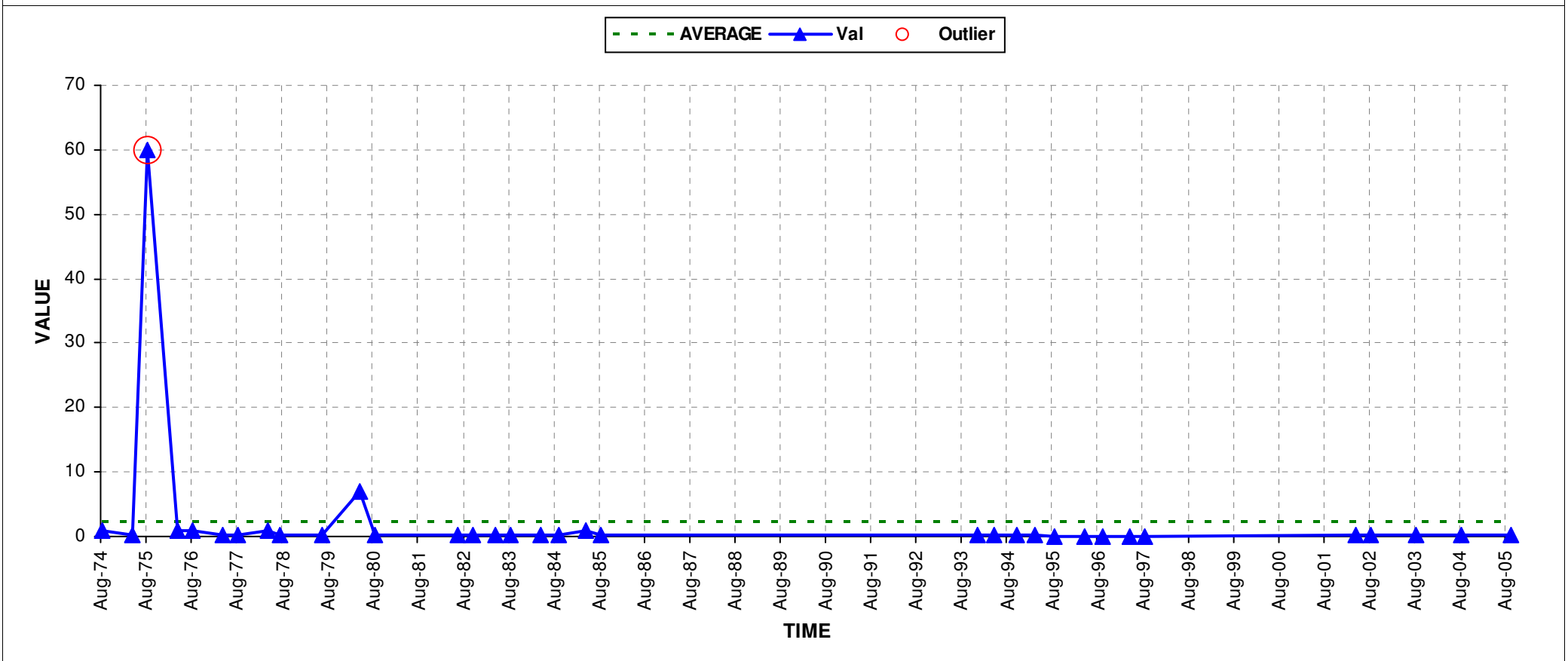
EE_GW_EE031

msStation_ID:

EE727_462

Outlier values ([ViolatedRule, Date]: Val):

[101, 27/08/1975]: 60



deWbName:

Nitrate

WaterbaseID:

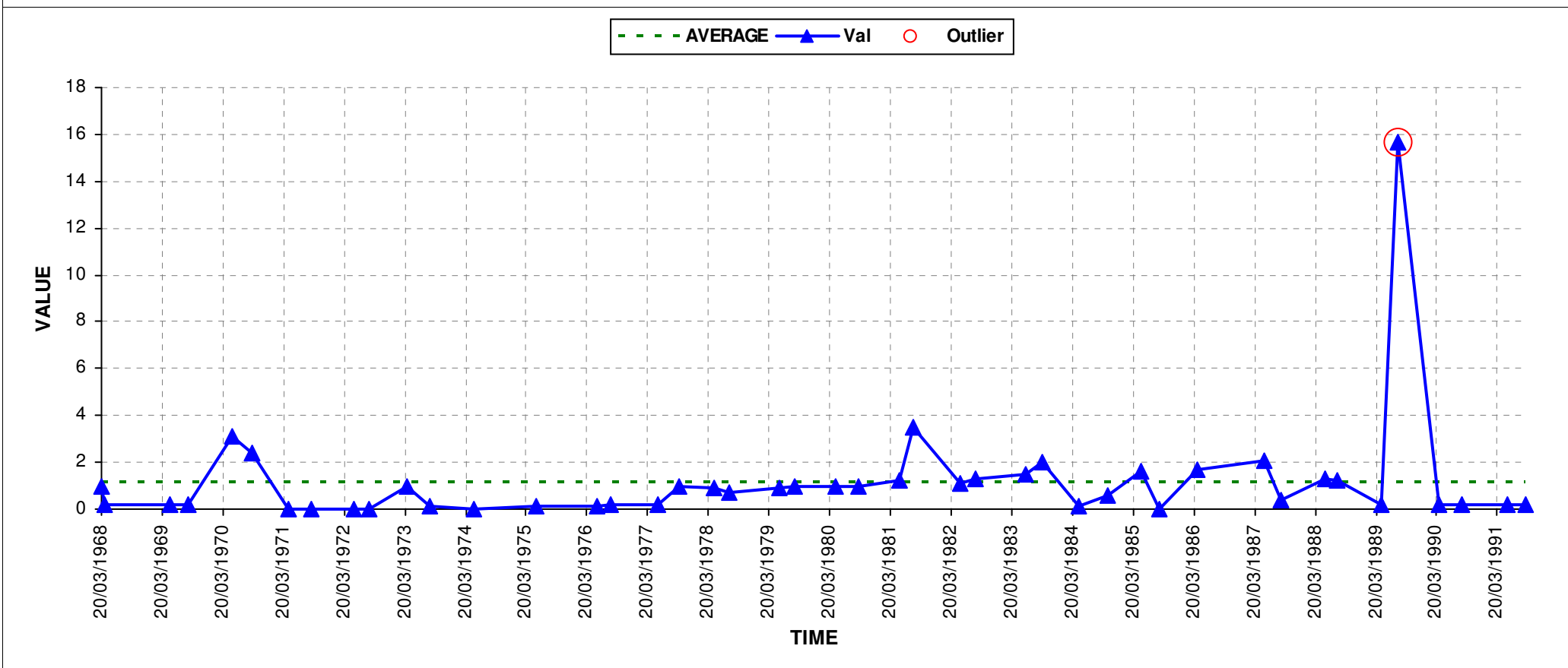
EE_GW_EE032

msStation_ID:

EE1207_11138

Outlier values ([ViolatedRule, Date]: Val):

[101, 03/08/1989]: 15.7



deWbName:

Nitrate

WaterbaseID:

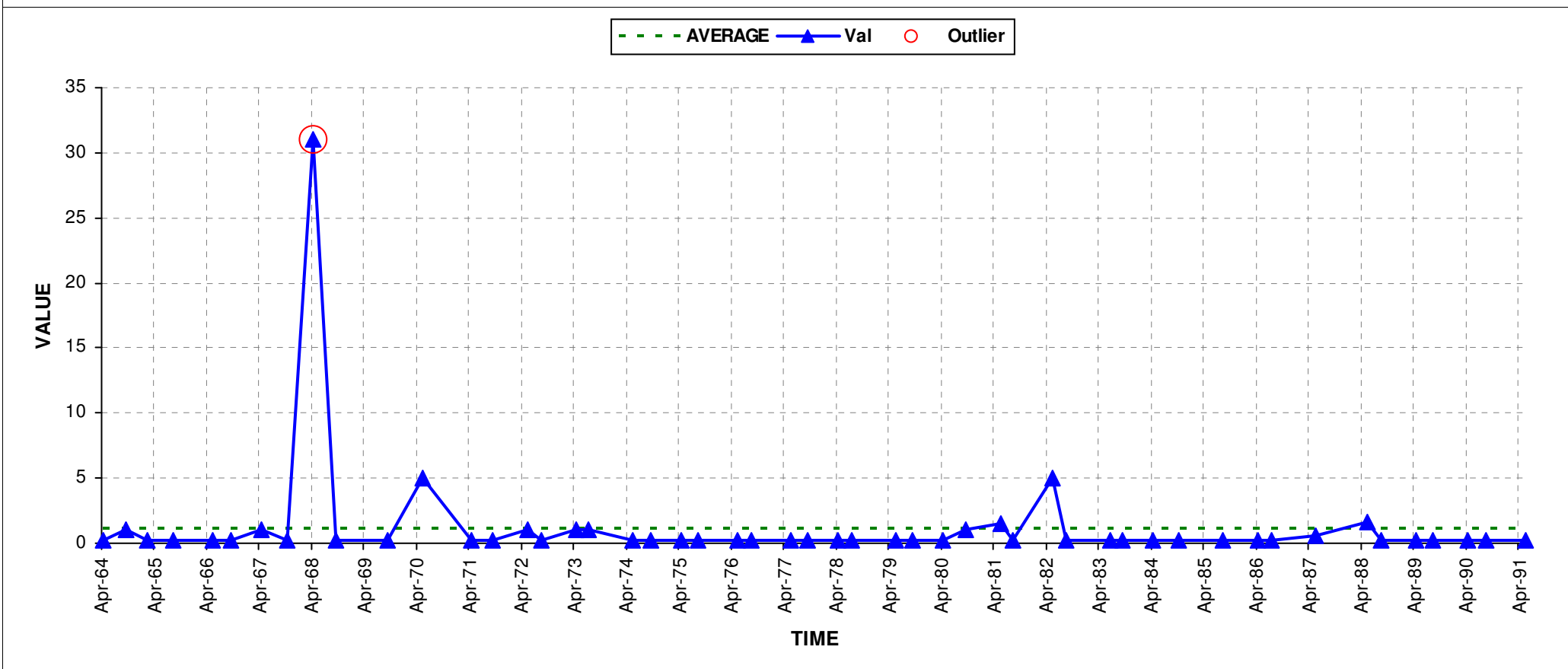
EE_GW_EE032

msStation_ID:

EE575_11425

Outlier values ([ViolatedRule, Date]: Val):

[101, 03/04/1968]: 31



deWbName:

Nitrate

WaterbaseID:

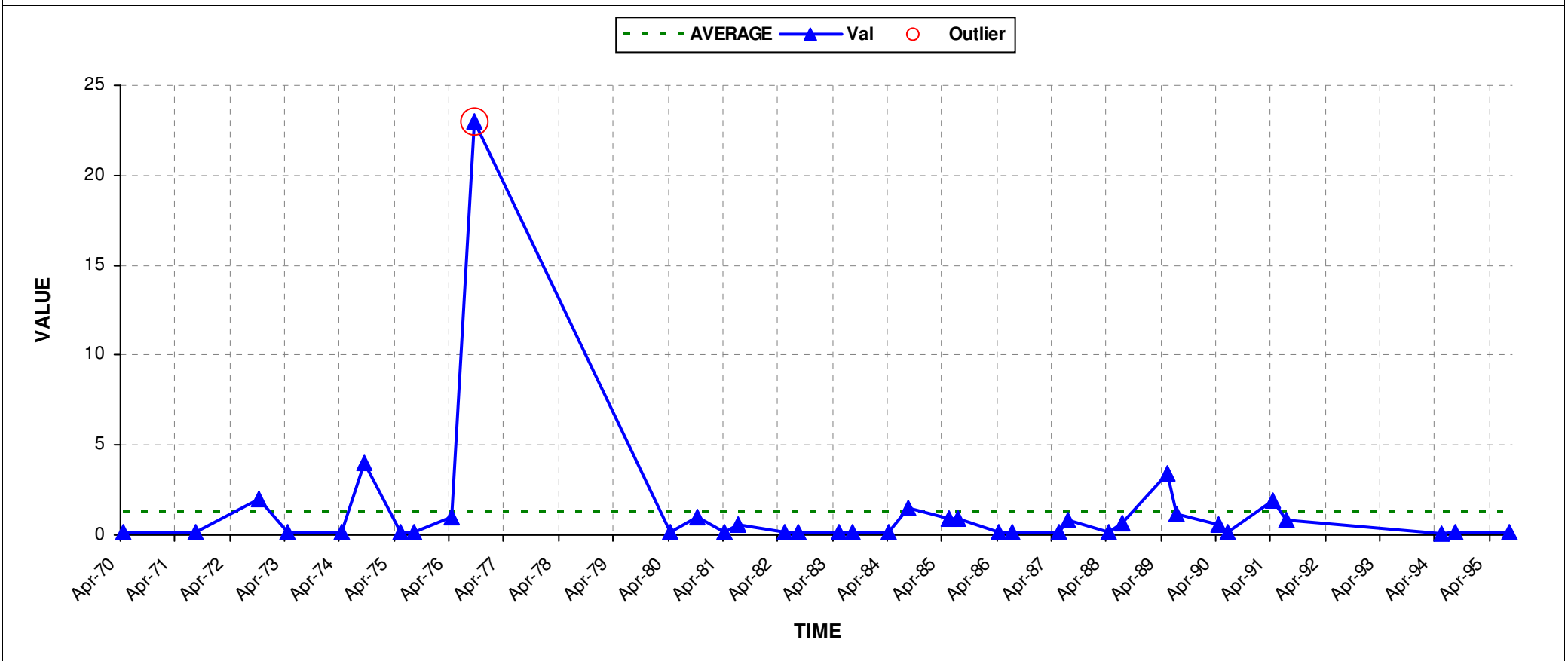
EE_GW_EE032

msStation_ID:

EE6872_3533

Outlier values ([ViolatedRule, Date]: Val):

[101, 01/09/1976]: 23



deWbName:

Nitrate

WaterbaseID:

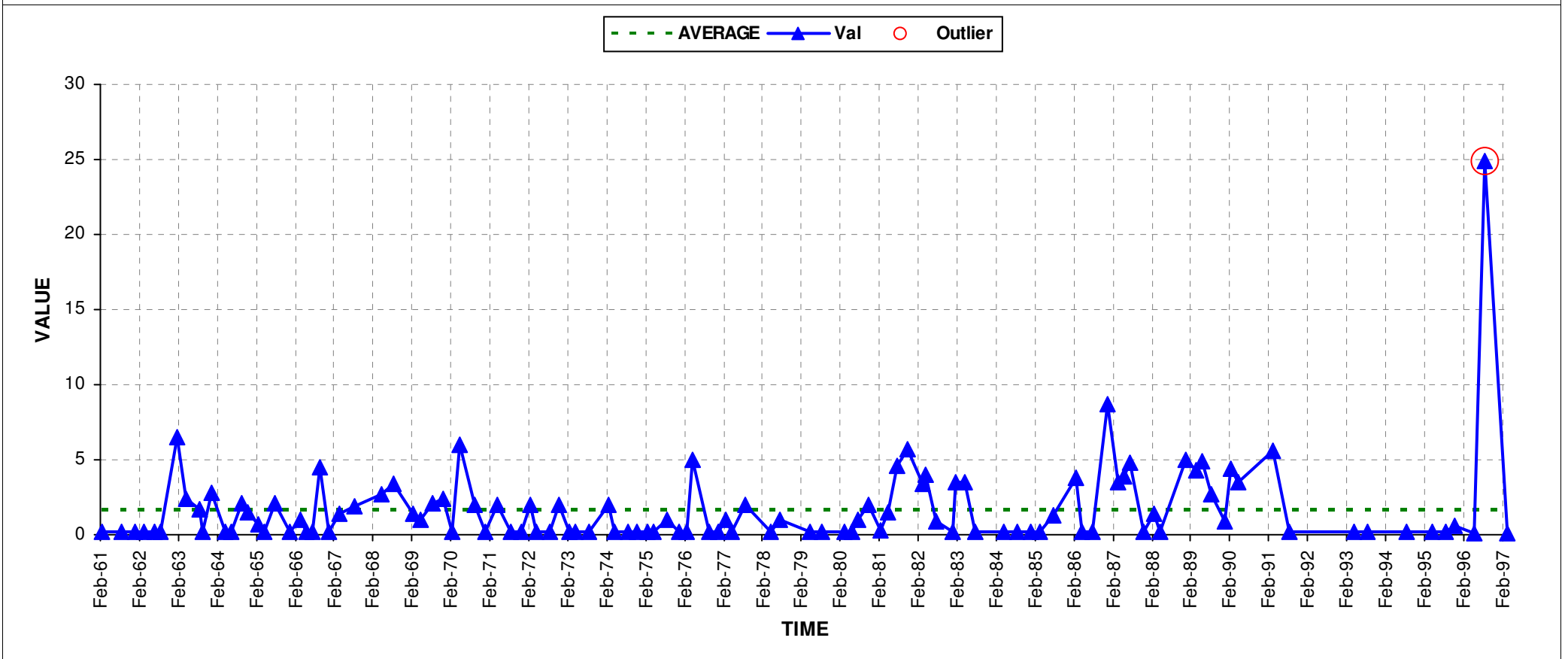
EE_GW_EE033

msStation_ID:

EE173_4333

Outlier values ([ViolatedRule, Date]: Val):

[101, 06/08/1996]: 24.9



deWbName:

Nitrate

WaterbaseID:

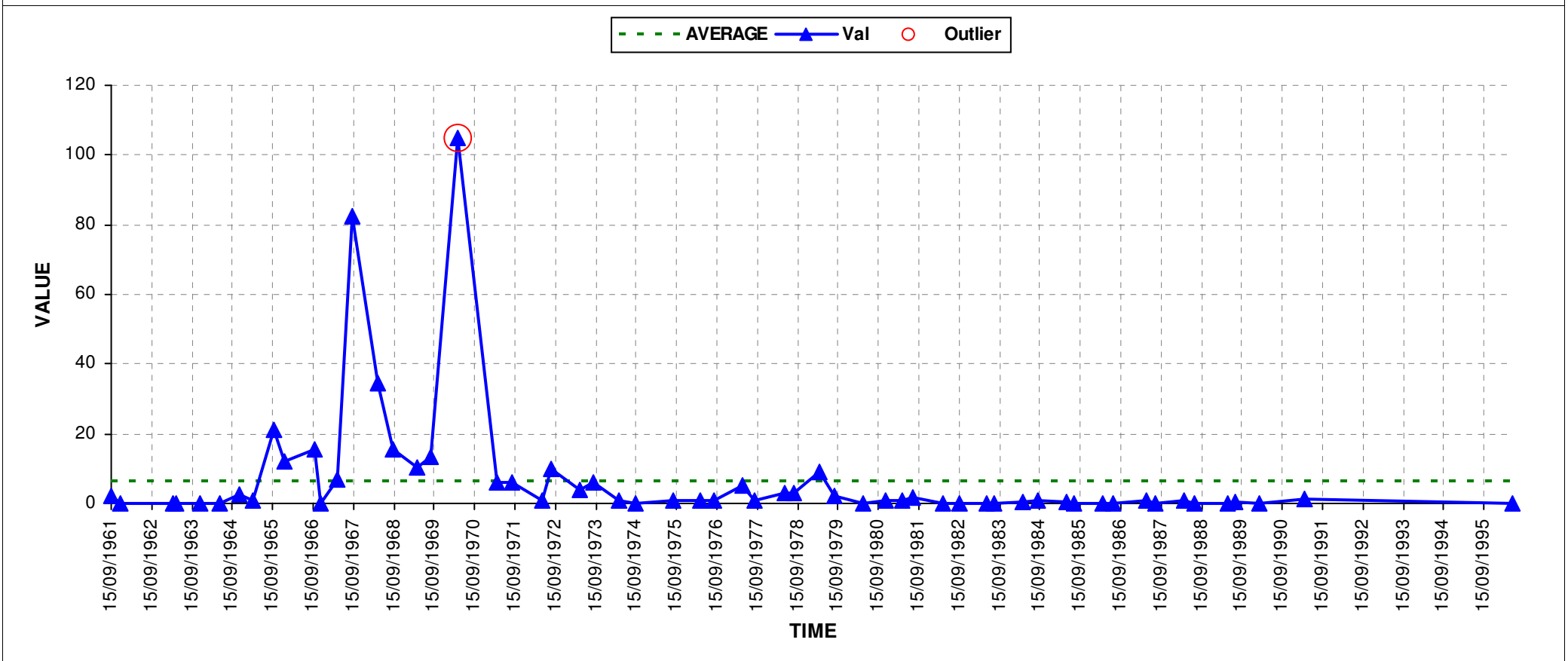
EE_GW_EE033

msStation_ID:

EE214_3425

Outlier values ([ViolatedRule, Date]: Val):

[101, 17/04/1970]: 104.8



deWbName:

Nitrate

WaterbaseID:

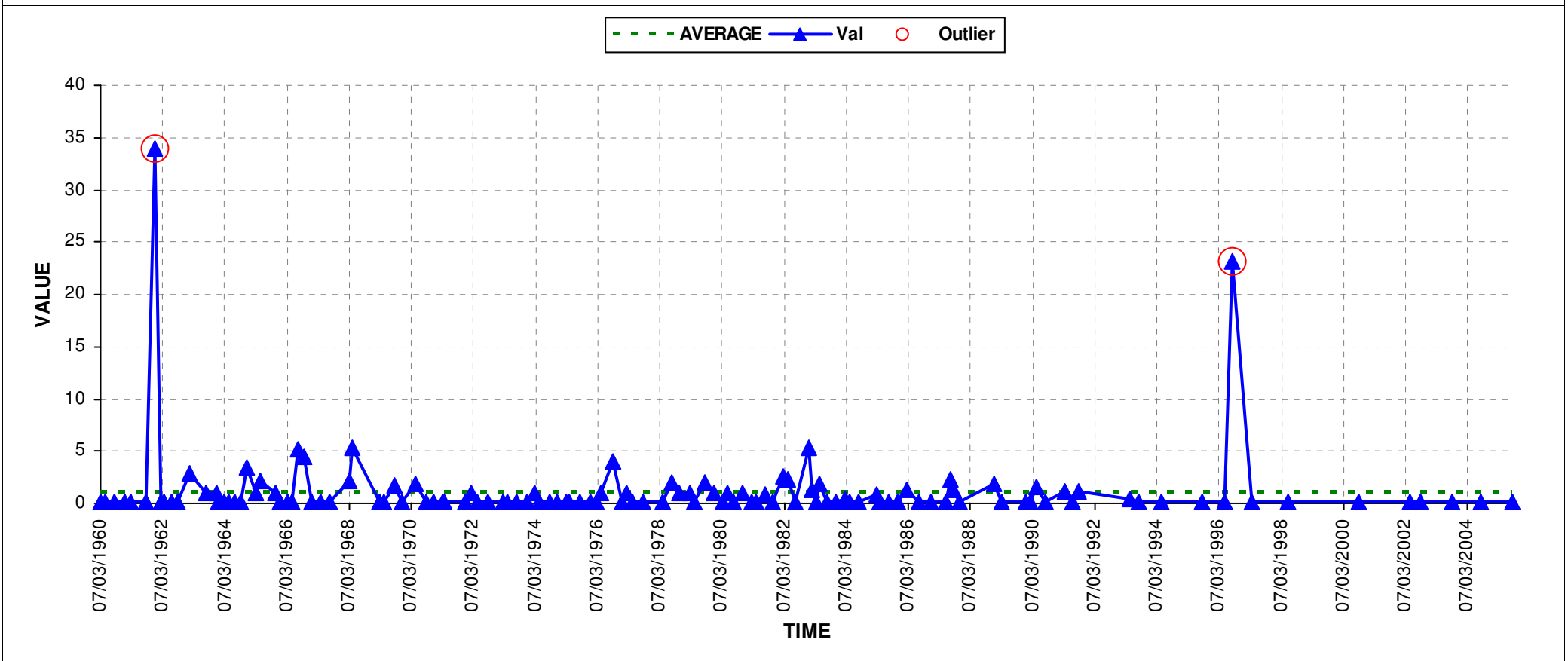
EE_GW_EE033

msStation_ID:

EE36_4293

Outlier values ([ViolatedRule, Date]: Val):

[101, 06/12/1961]: 34; [101, 06/08/1996]: 23.1



deWbName:

Nitrate

WaterbaseID:

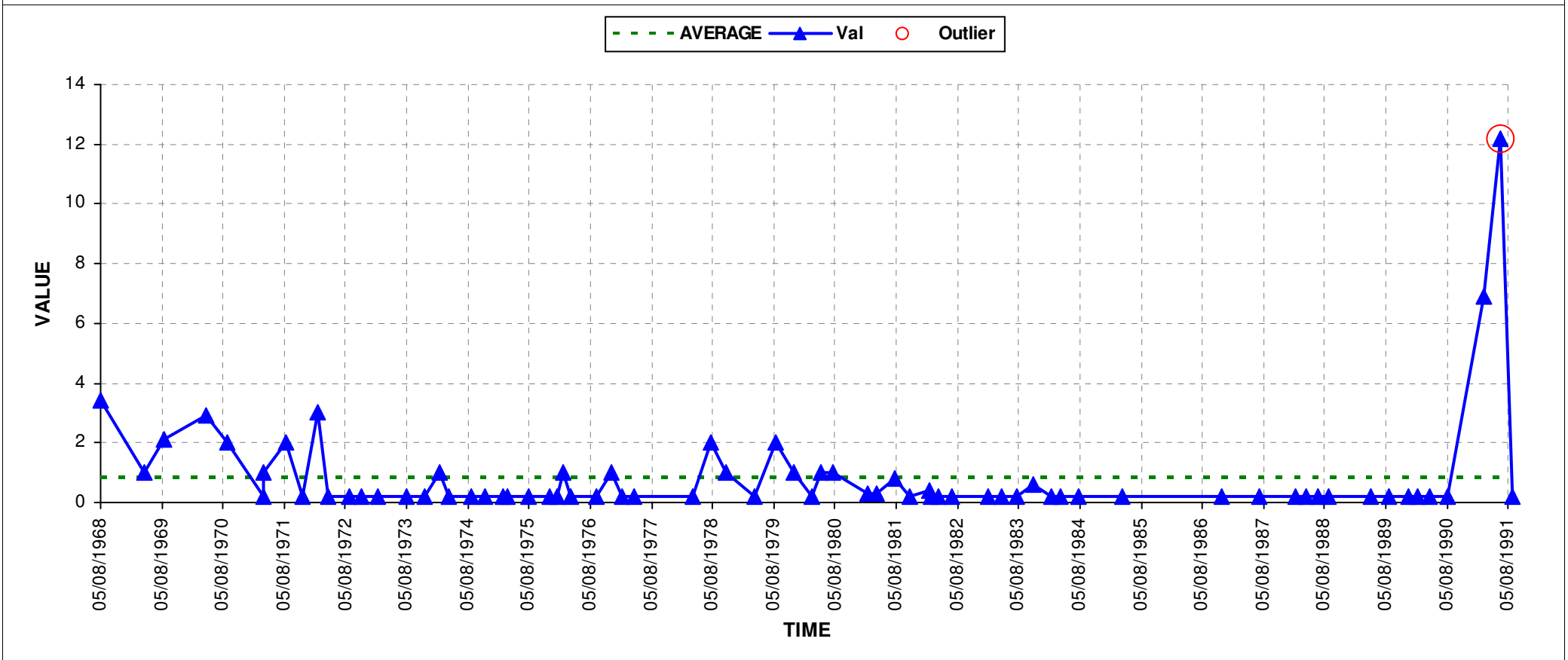
EE_GW_EE033

msStation_ID:

EE361_7809

Outlier values ([ViolatedRule, Date]: Val):

[101, 20/06/1991]: 12.2



deWbName:

Nitrate

WaterbaseID:

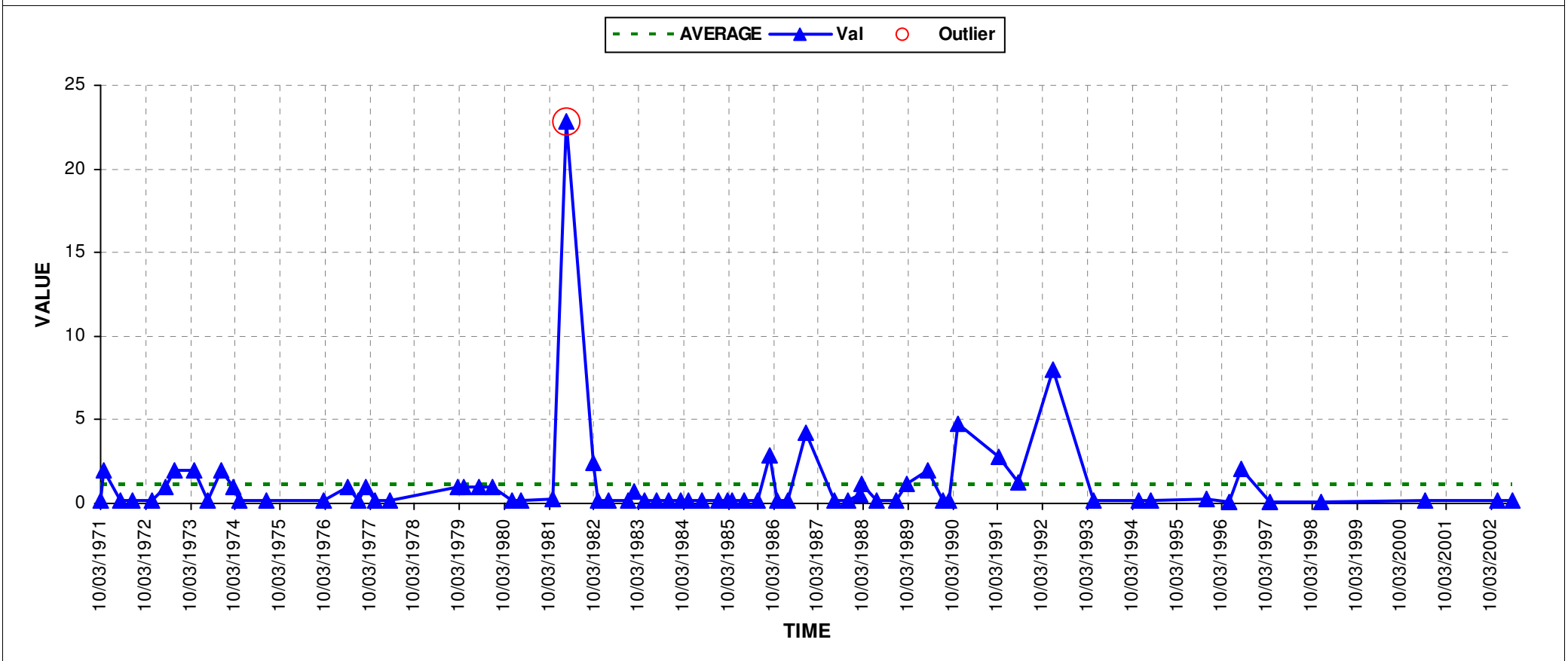
EE_GW_EE033

msStation_ID:

EE375_4370

Outlier values ([ViolatedRule, Date]: Val):

[101, 22/07/1981]: 22.8



deWbName:

Nitrate

WaterbaseID:

EE_GW_EE033

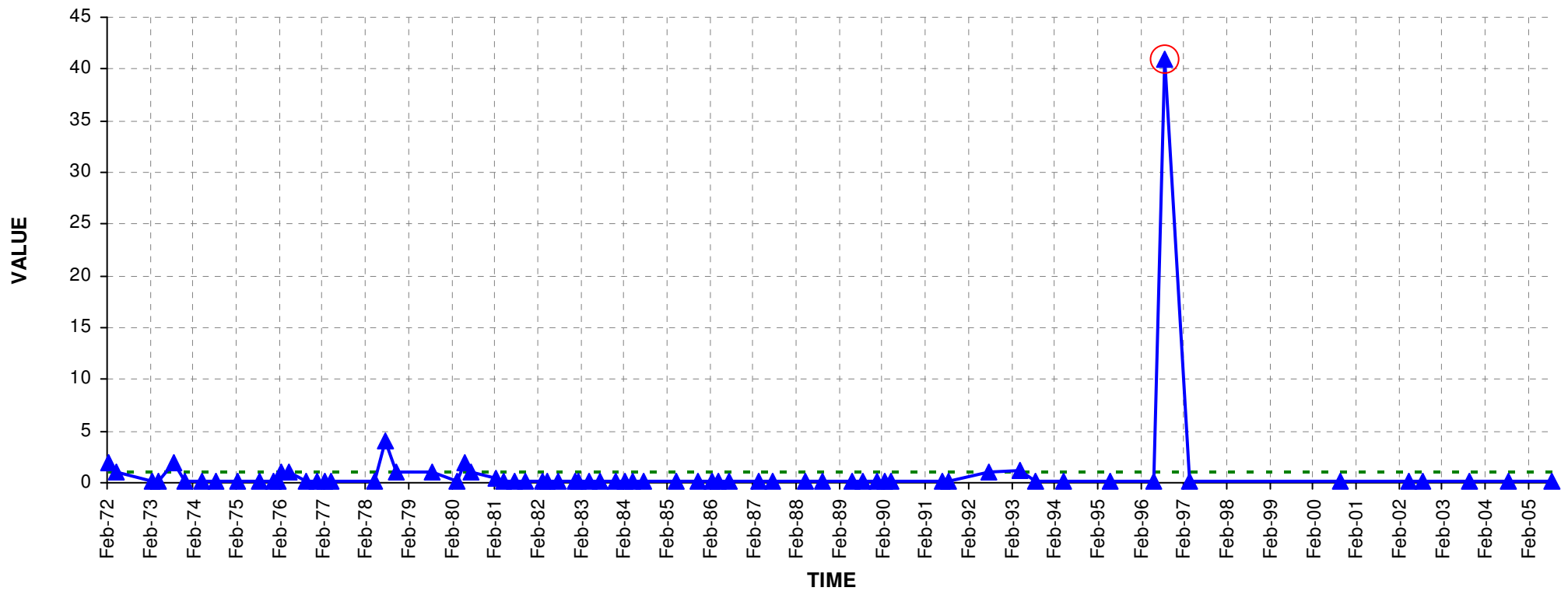
msStation_ID:

EE407_4299

Outlier values ([ViolatedRule, Date]: Val):

[101, 06/08/1996]: 41

--- AVERAGE ▲ Val ○ Outlier



deWbName:

Nitrate

WaterbaseID:

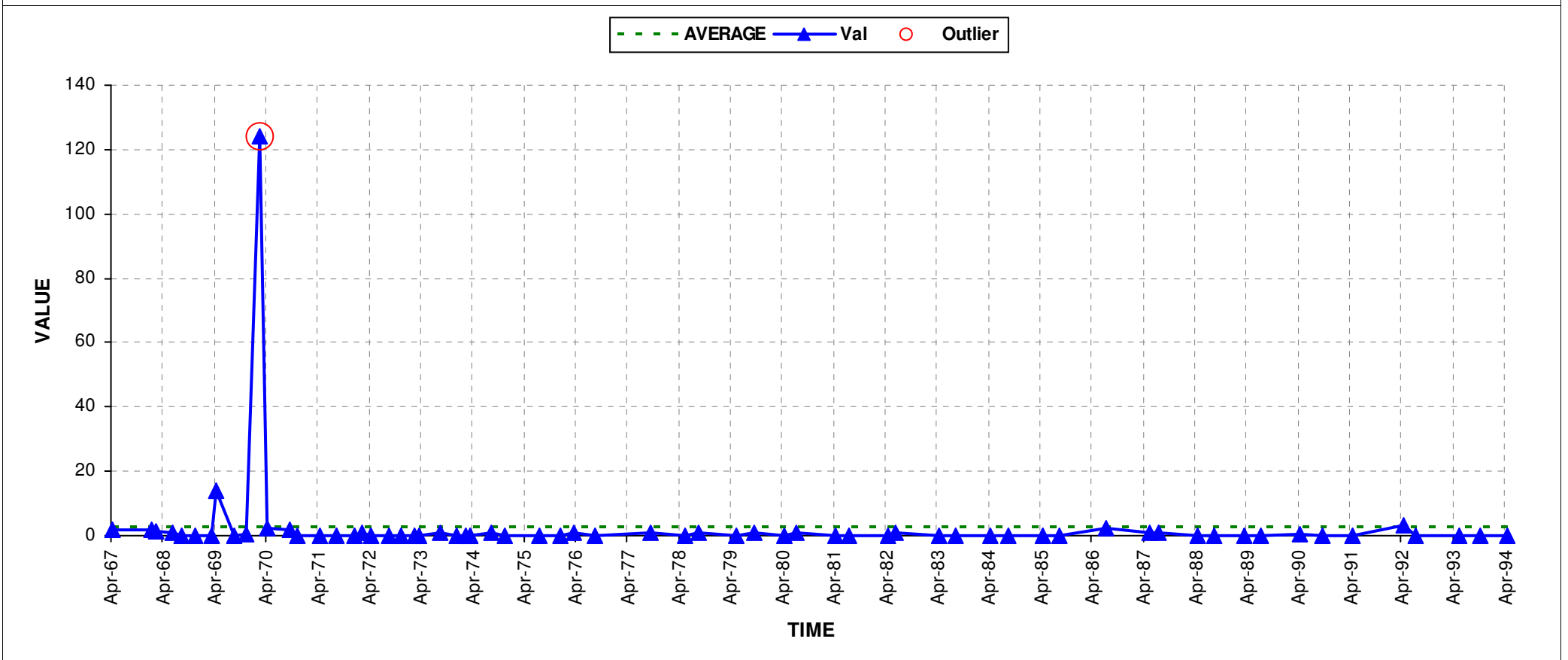
EE_GW_EE033

msStation_ID:

EE517_8681

Outlier values ([ViolatedRule, Date]: Val):

[101, 19/02/1970]: 124



deWbName:

Nitrate

WaterbaseID:

EE_GW_EE033

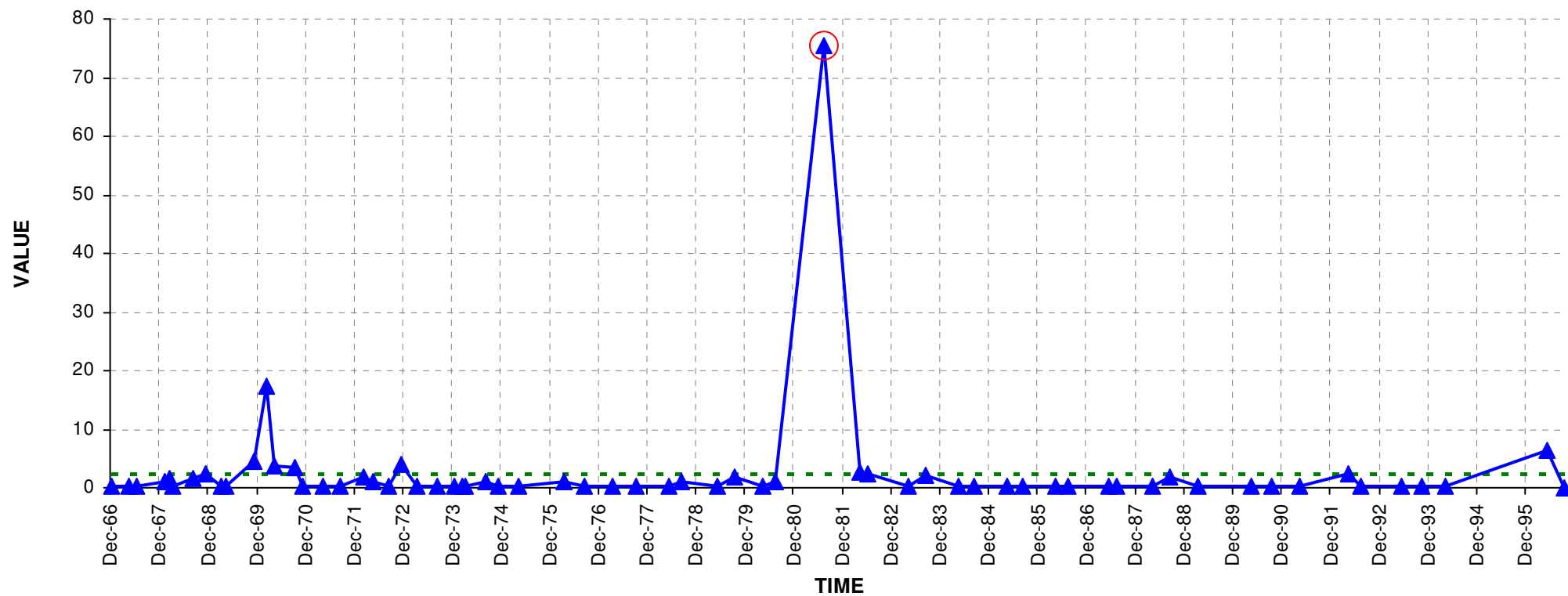
msStation_ID:

EE523_12482

Outlier values ([ViolatedRule, Date]: Val):

[101, 15/07/1981]: 75.5

--- AVERAGE ▲ Val ○ Outlier



deWbName:

Nitrate

WaterbaseID:

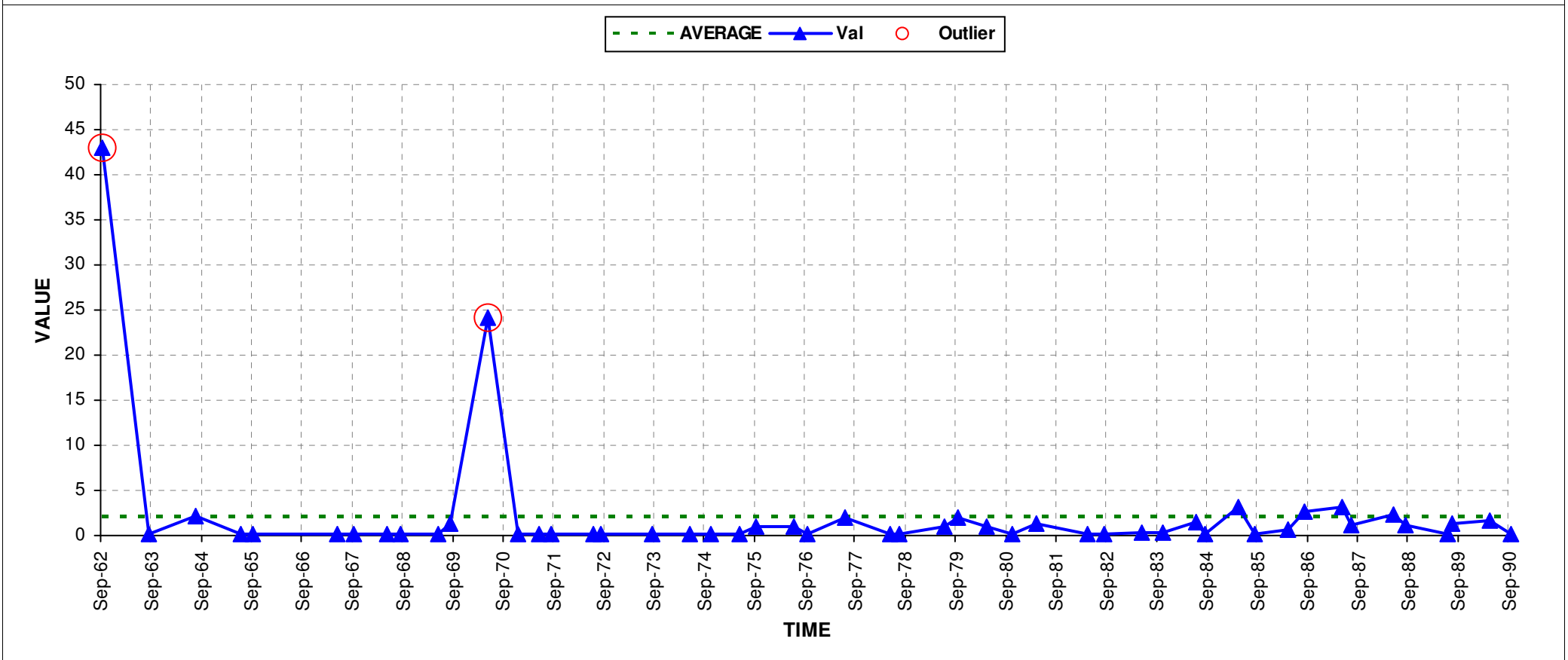
EE_GW_EE033

msStation_ID:

EE559_8763

Outlier values ([ViolatedRule, Date]: Val):

[101, 10/09/1962]: 43; [Expert, 06/05/1970]: 24.2



deWbName:

Nitrate

WaterbaseID:

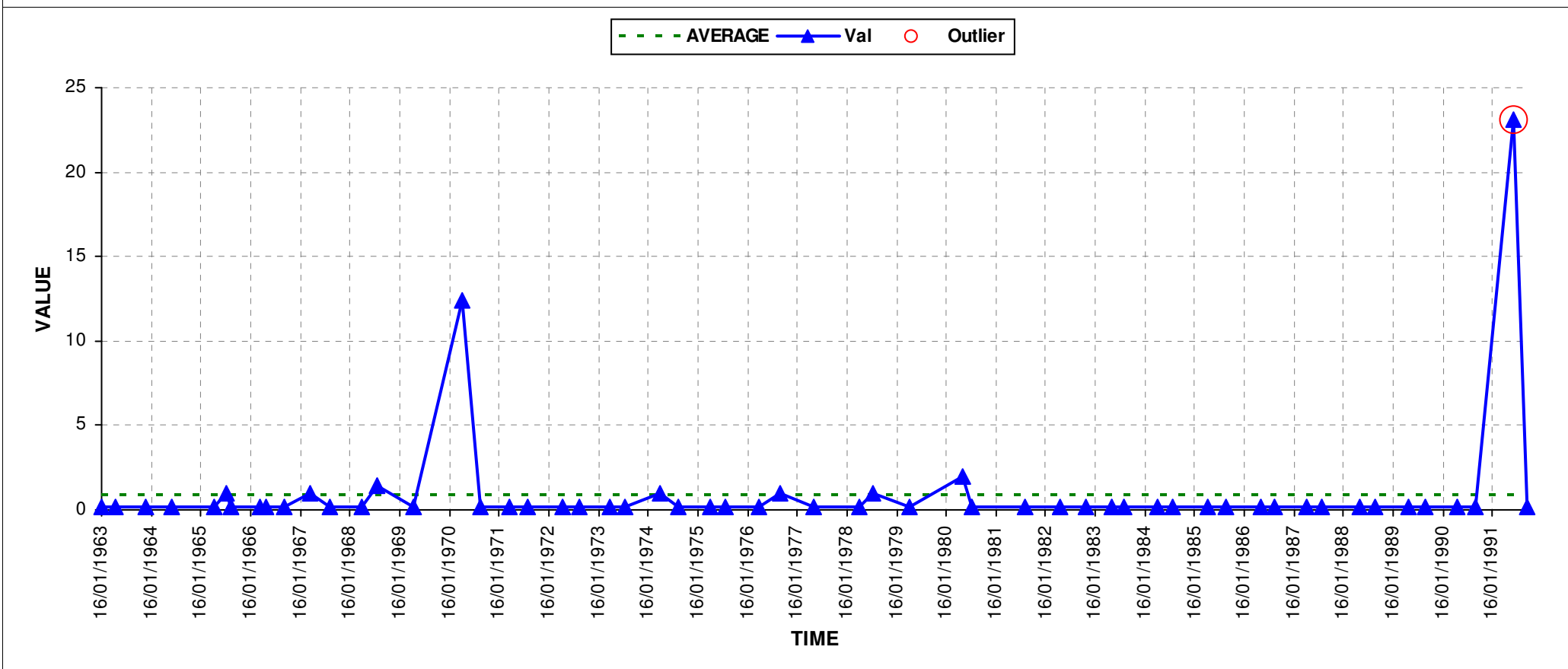
EE_GW_EE033

msStation_ID:

EE588_6473

Outlier values ([ViolatedRule, Date]: Val):

[101, 19/06/1991]: 23.1



deWbName:

Nitrate

WaterbaseID:

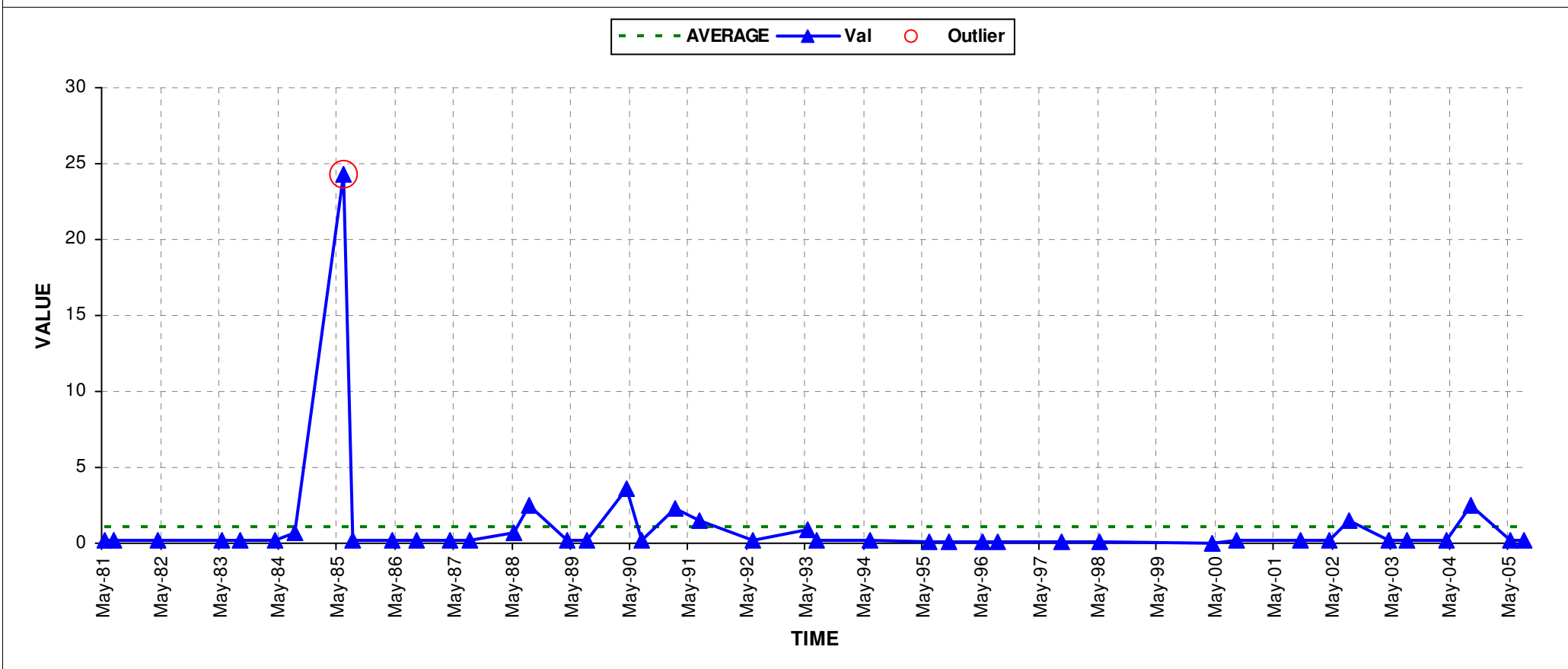
EE_GW_EE033

msStation_ID:

EE8521_3677

Outlier values ([ViolatedRule, Date]: Val):

[101, 13/06/1985]: 24.3



deWbName:

Nitrate

WaterbaseID:

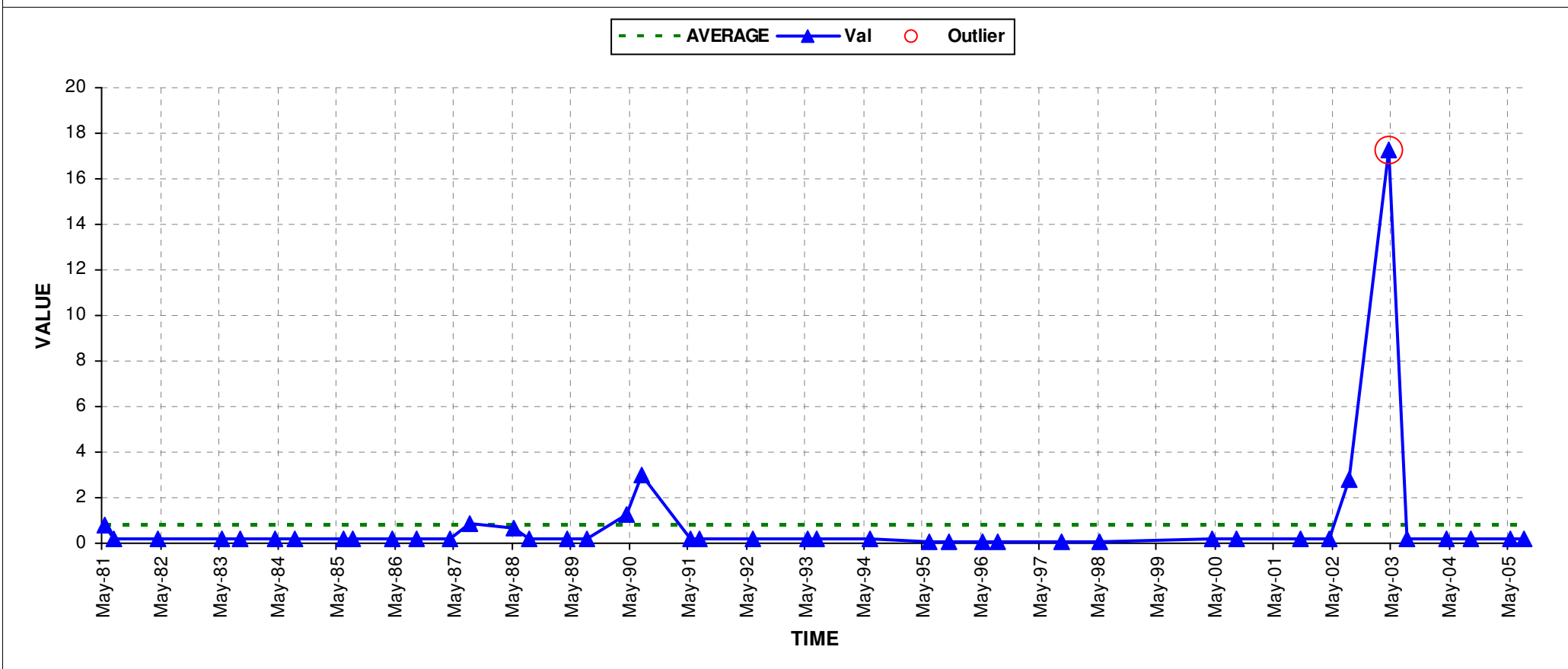
EE_GW_EE033

msStation_ID:

EE8526_3676

Outlier values ([ViolatedRule, Date]: Val):

[101, 22/04/2003]: 17.3



deWbName:

Nitrate

WaterbaseID:

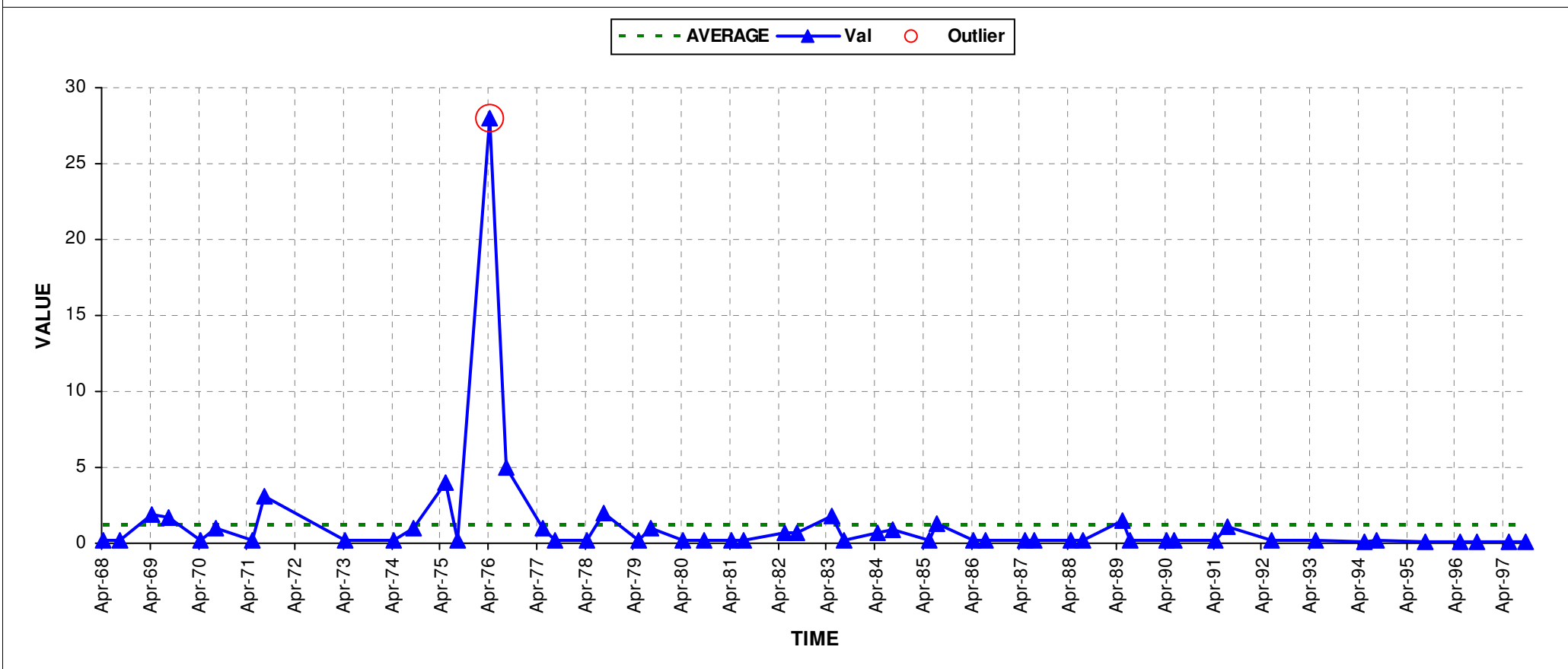
EE_GW_EE033

msStation_ID:

EE948_2593

Outlier values ([ViolatedRule, Date]: Val):

[101, 14/04/1976]: 28



deWbName:

Nitrate

WaterbaseID:

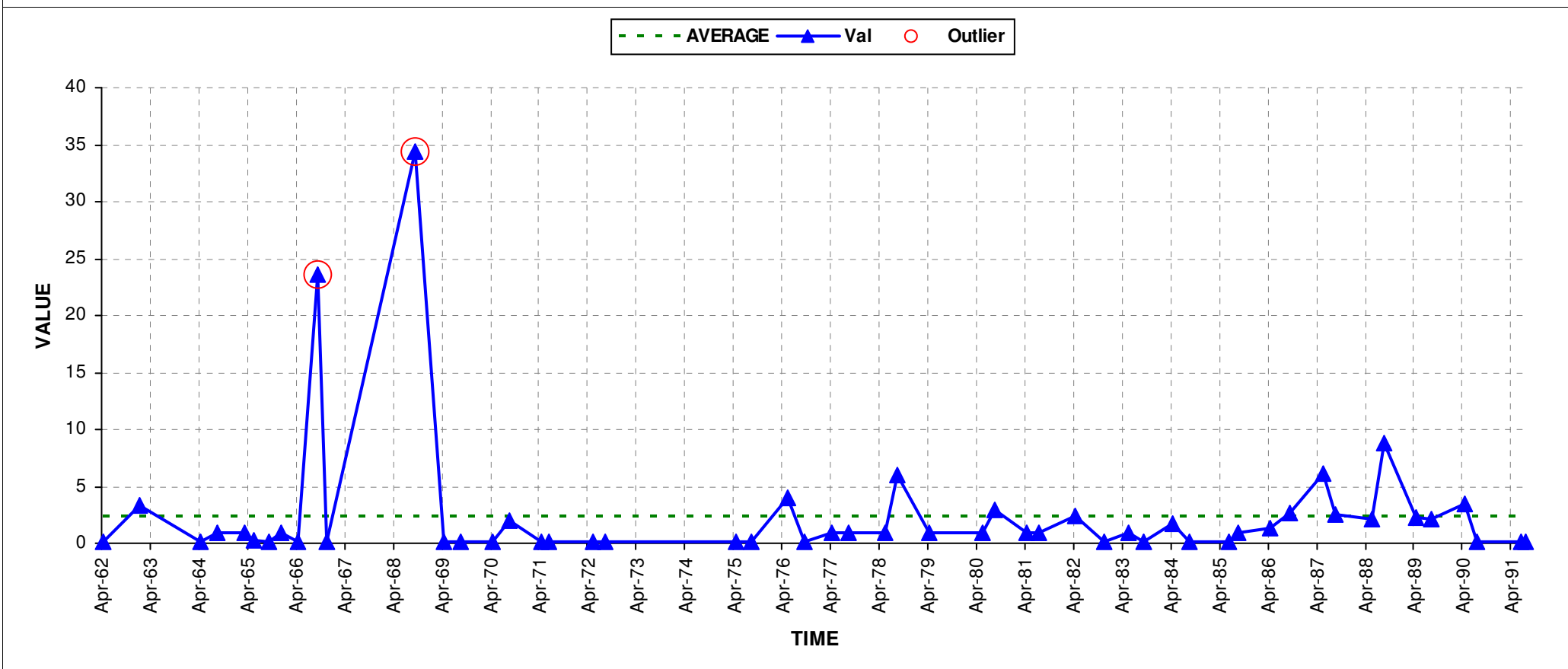
EE_GW_EE034

msStation_ID:

EE579_2701

Outlier values ([ViolatedRule, Date]: Val):

[Expert, 24/09/1966]: 23.6; [101, 18/09/1968]: 34.4



deWbName:

Nitrate

WaterbaseID:

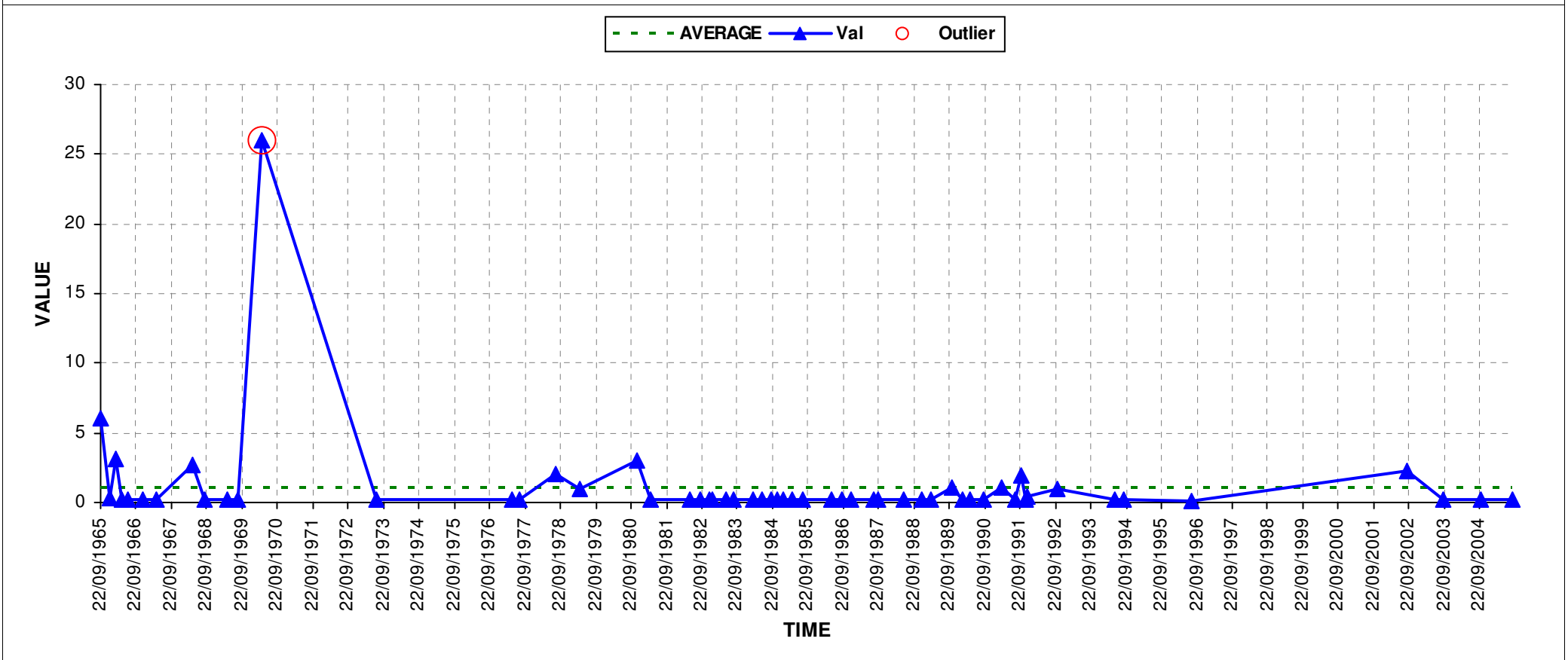
EE_GW_EE035

msStation_ID:

EE358-A_2179

Outlier values ([ViolatedRule, Date]: Val):

[101, 17/04/1970]: 26



deWbName:

Nitrate

WaterbaseID:

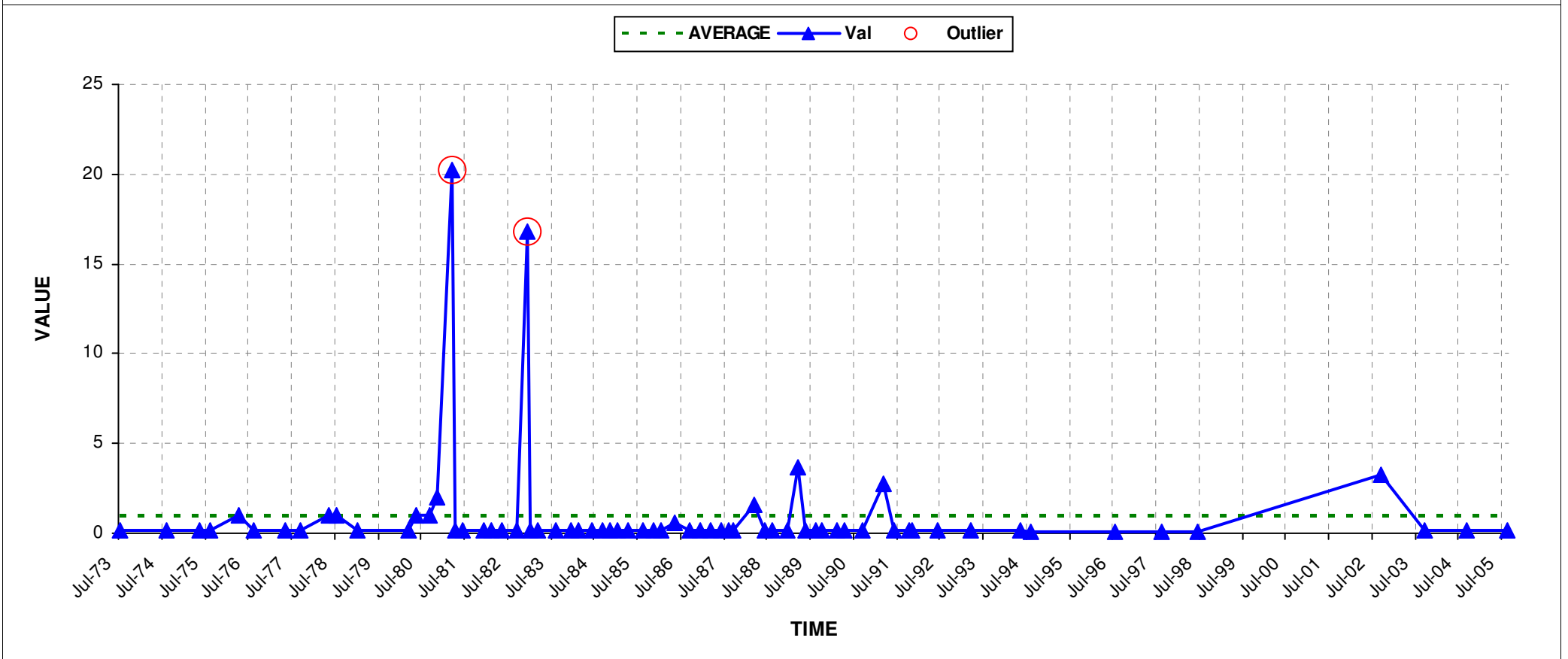
EE_GW_EE035

msStation_ID:

EE362_2478

Outlier values ([ViolatedRule, Date]: Val):

[101, 18/03/1981]: 20.2; [101, 07/12/1982]: 16.8



deWbName:

Nitrate

WaterbaseID:

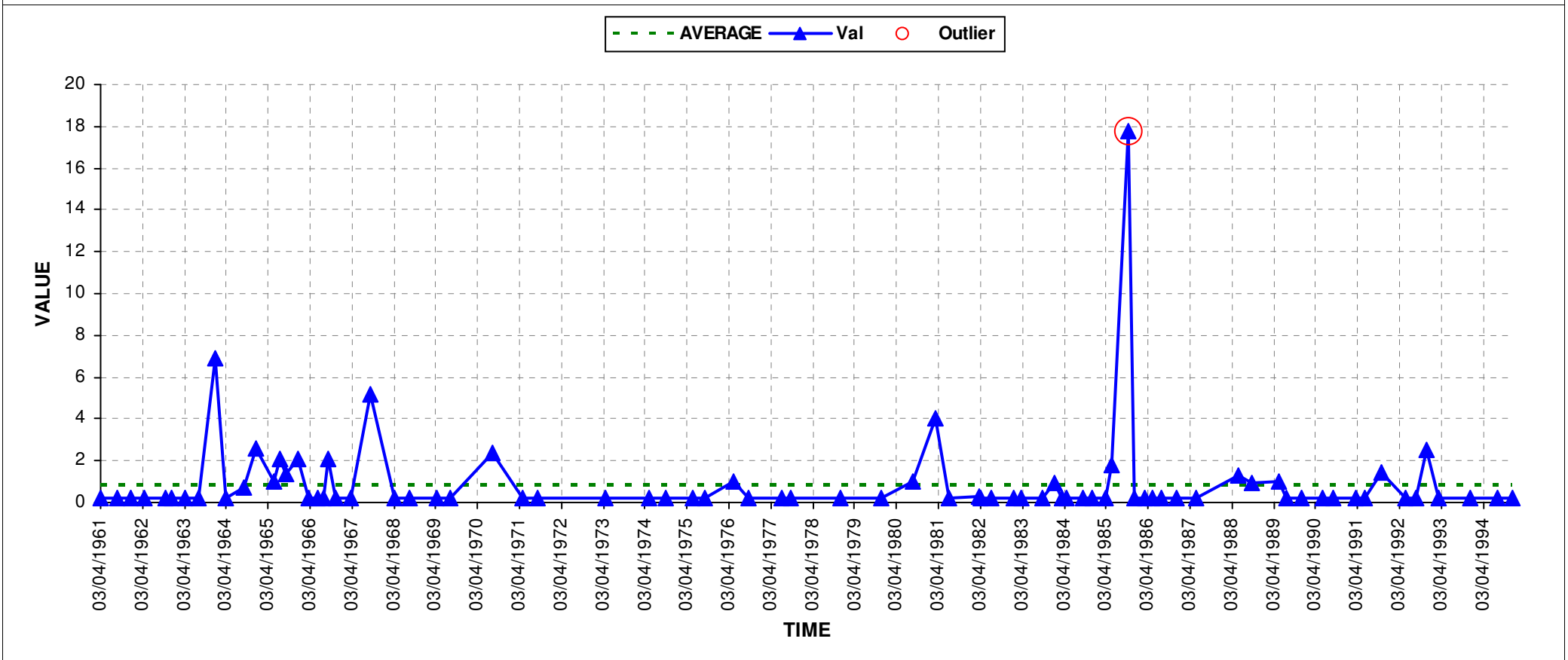
EE_GW_EE035

msStation_ID:

EE719_38

Outlier values ([ViolatedRule, Date]: Val):

[101, 09/10/1985]: 17.8



deWbName:

Nitrate

WaterbaseID:

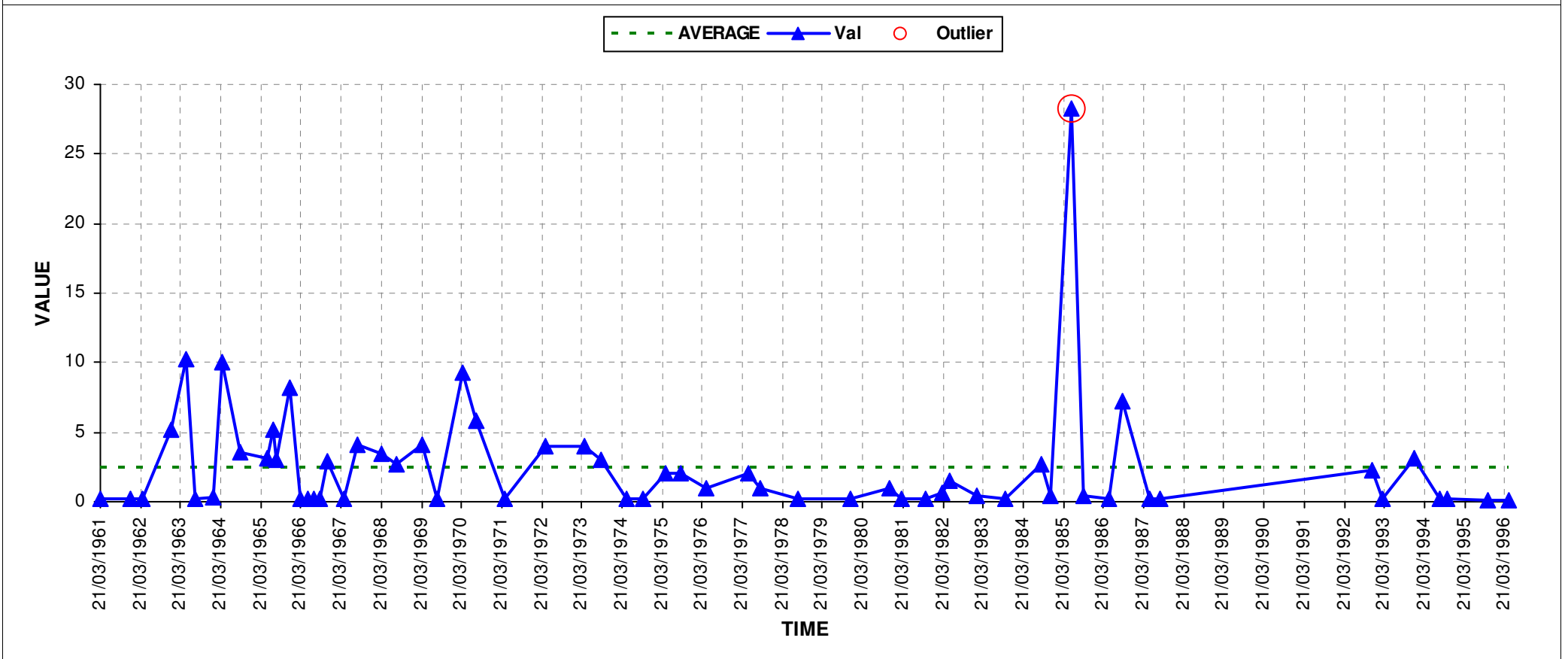
EE_GW_EE035

msStation_ID:

EE815_64

Outlier values ([ViolatedRule, Date]: Val):

[101, 29/05/1985]: 28.3



deWbName:

Nitrate

WaterbaseID:

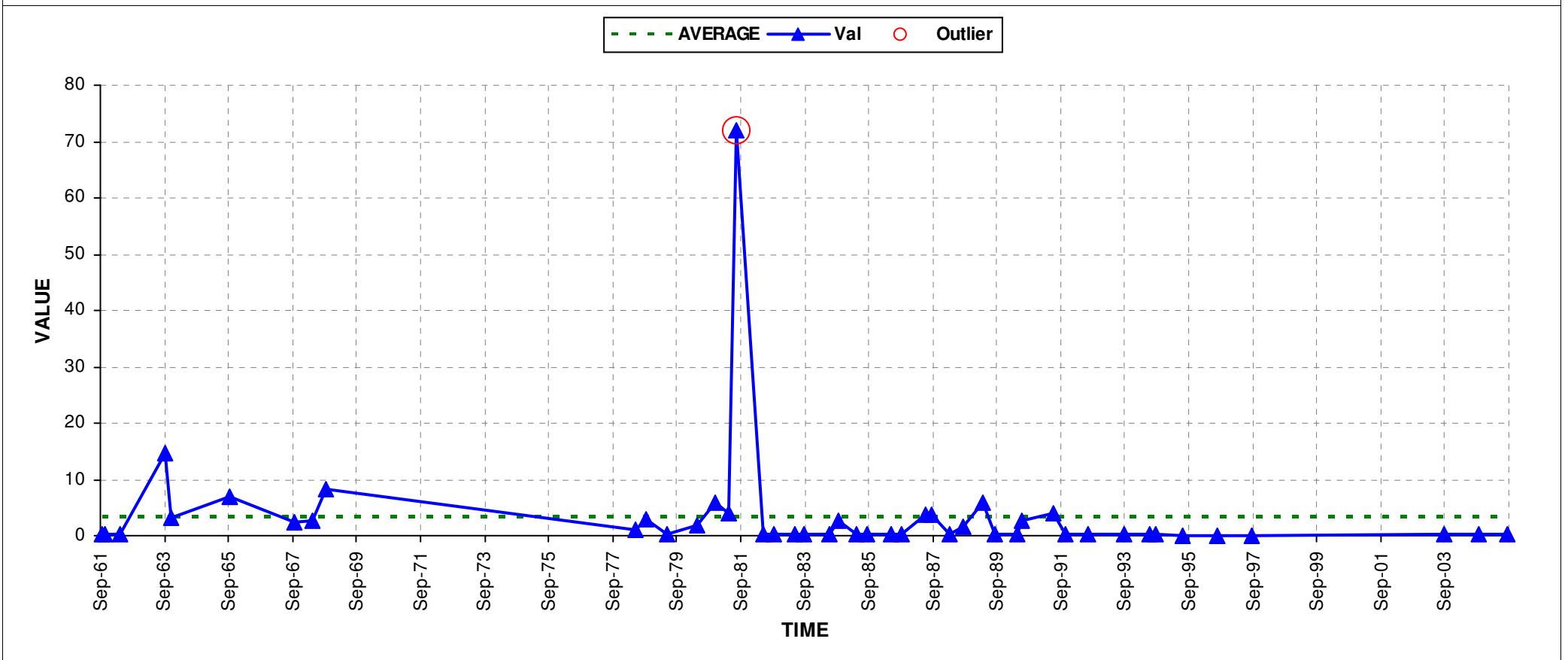
EE_GW_EE035

msStation_ID:

EE816_2517

Outlier values ([ViolatedRule, Date]: Val):

[101, 25/07/1981]: 72



deWbName:

Nitrate

WaterbaseID:

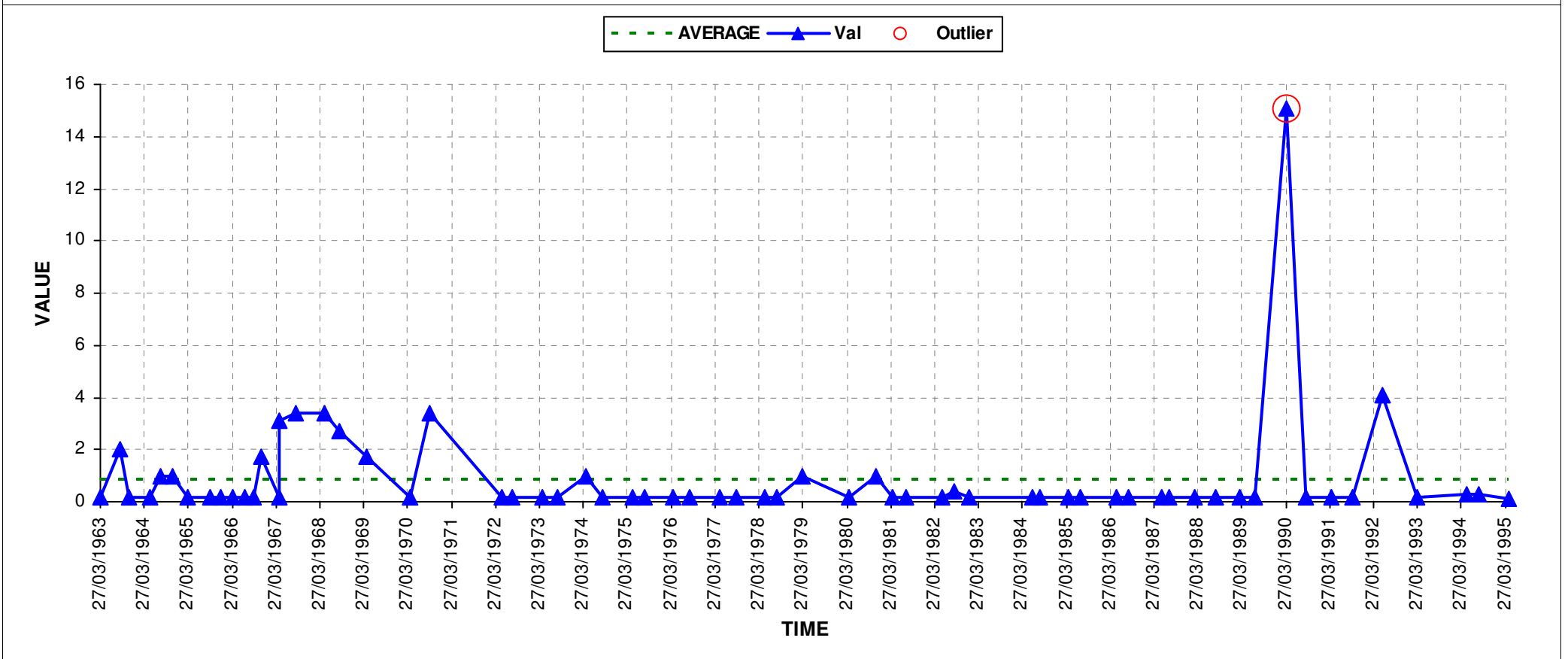
EE_GW_EE035

msStation_ID:

EE820-A_2383

Outlier values ([ViolatedRule, Date]: Val):

[101, 03/04/1990]: 15.1



deWbName:

Nitrate

WaterbaseID:

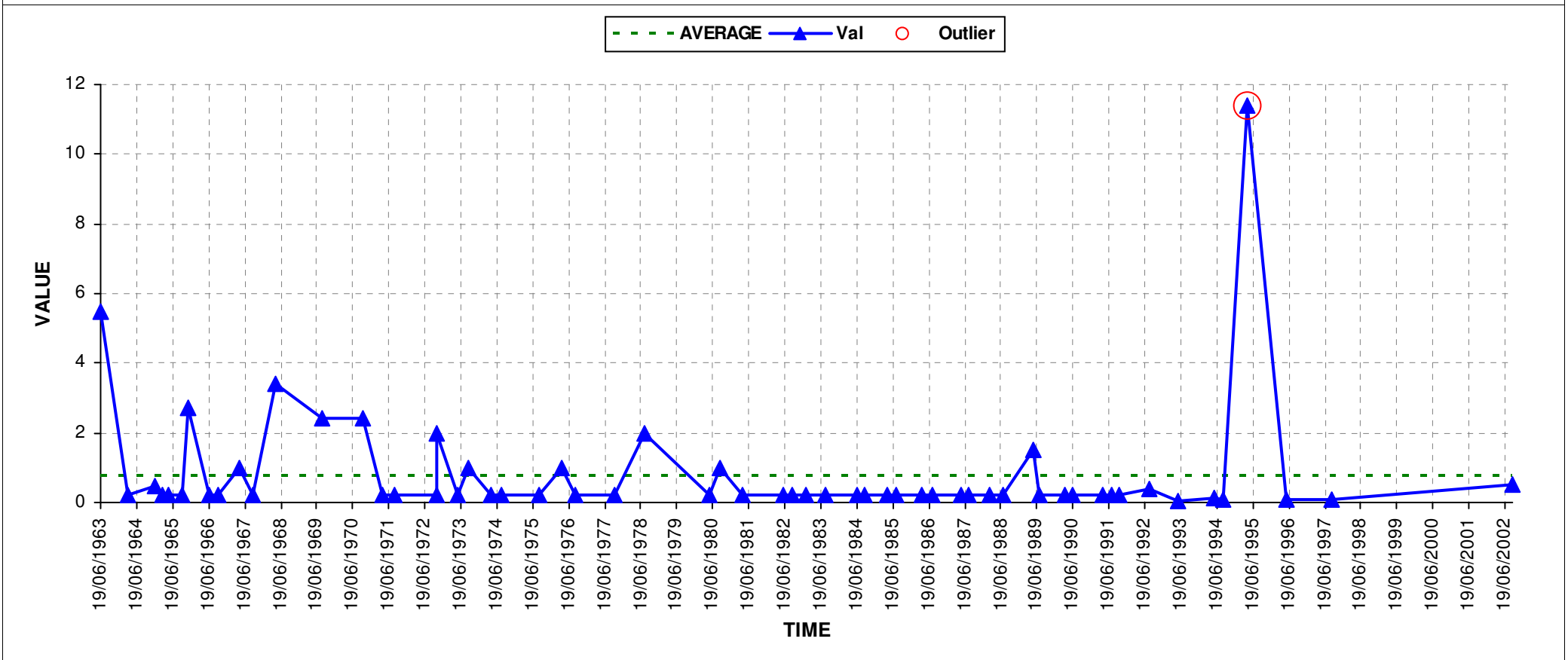
EE_GW_EE035

msStation_ID:

EE865_2632

Outlier values ([ViolatedRule, Date]: Val):

[101, 27/04/1995]: 11.4



deWbName:

Nitrate

WaterbaseID:

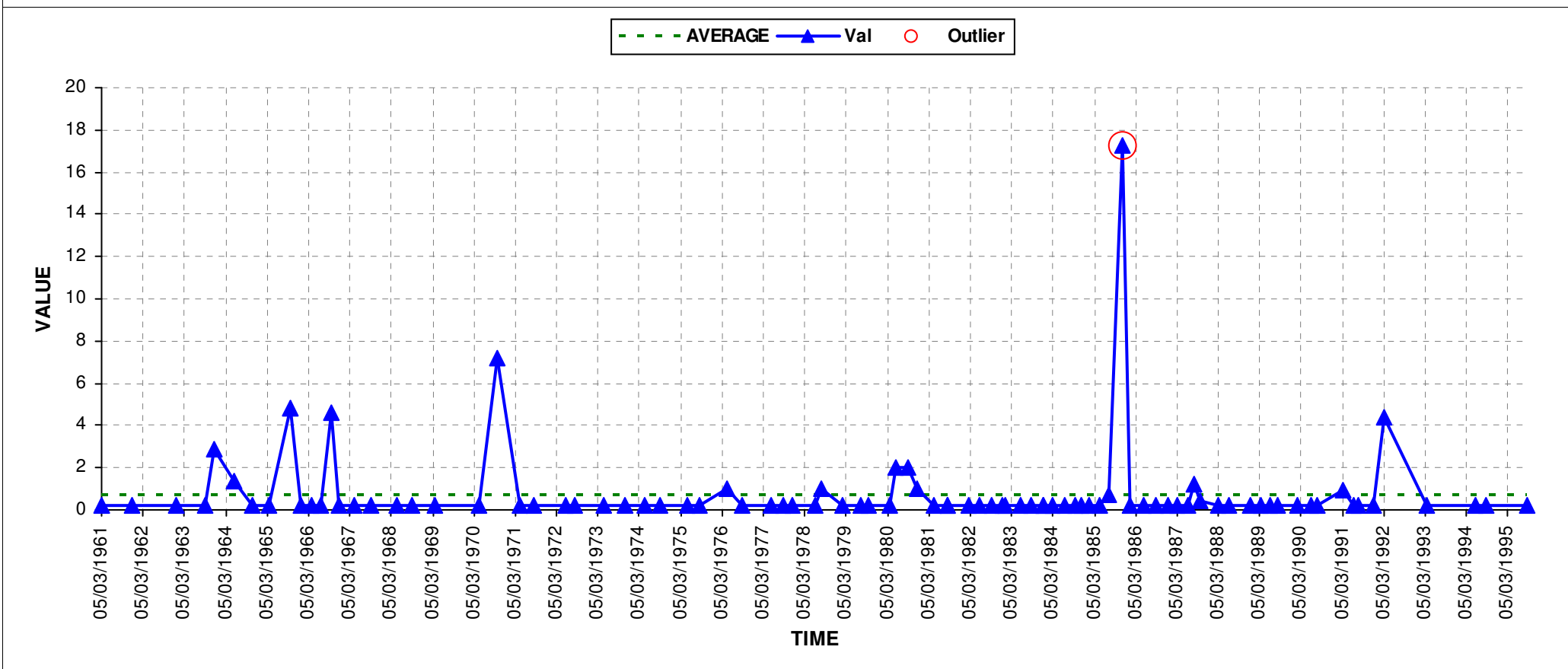
EE_GW_EE035

msStation_ID:

EE913_2090

Outlier values ([ViolatedRule, Date]: Val):

[101, 14/11/1985]: 17.3



deWbName:

Nitrite

WaterbaseID:

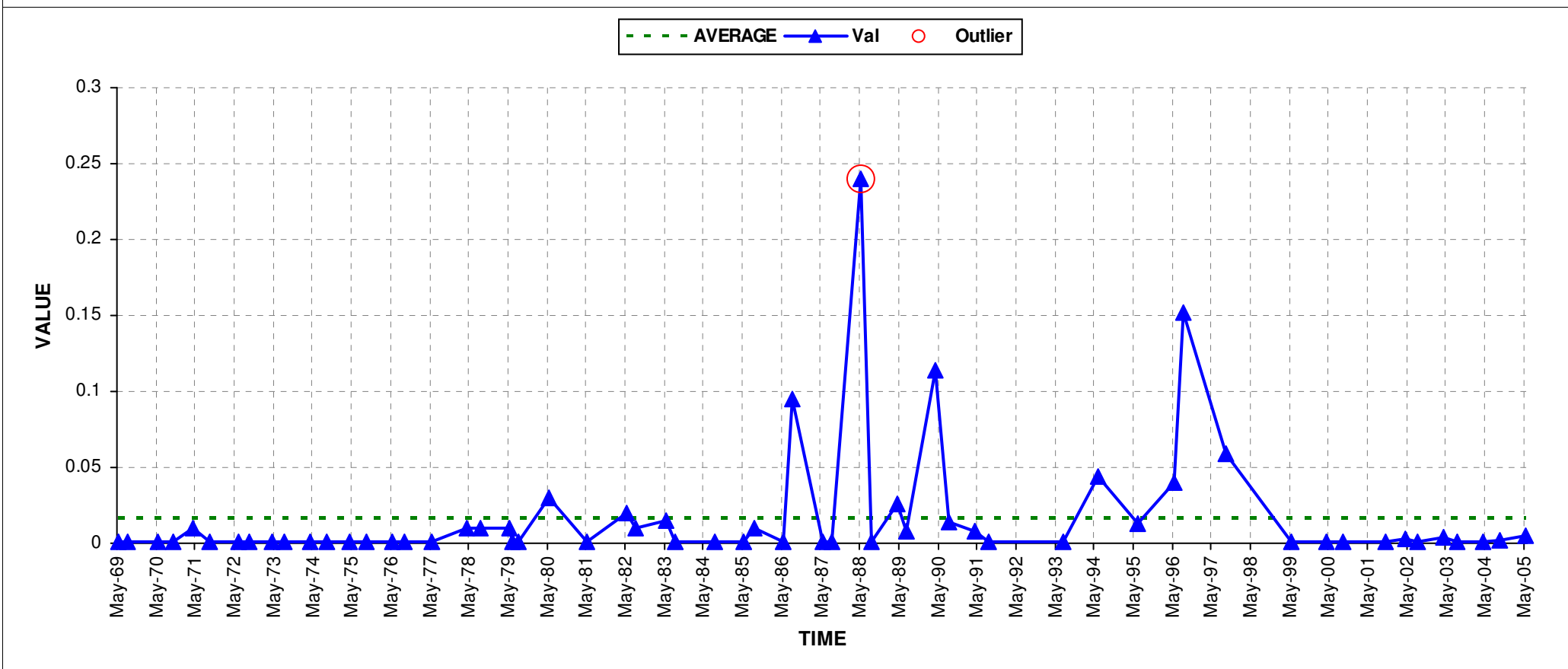
EE_GW_EE031

msStation_ID:

EE1052-C_10060

Outlier values ([ViolatedRule, Date]: Val):

[101, 05/05/1988]: 0.24



deWbName:

Nitrite

WaterbaseID:

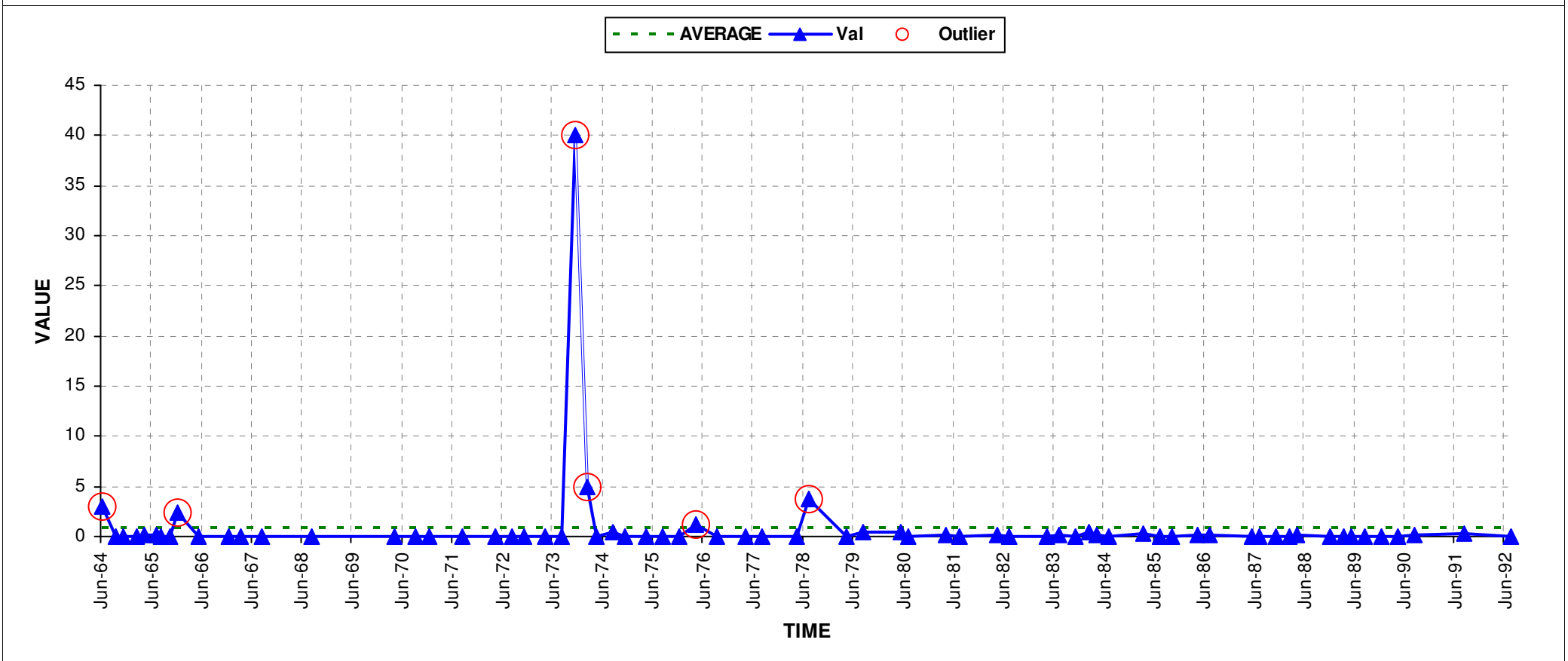
EE_GW_EE031

msStation_ID:

EE10-Q_19267

Outlier values ([ViolatedRule, Date]: Val):

[Expert, 29/06/1964]: 3; [Expert, 23/12/1965]: 2.4; [101, 20/11/1973]: 40; [Expert, 20/02/1974]: 5; [Expert, 08/04/1976]: 1.2; [Expert, 25/07/1978]: 3.8



deWbName:

Nitrite

WaterbaseID:

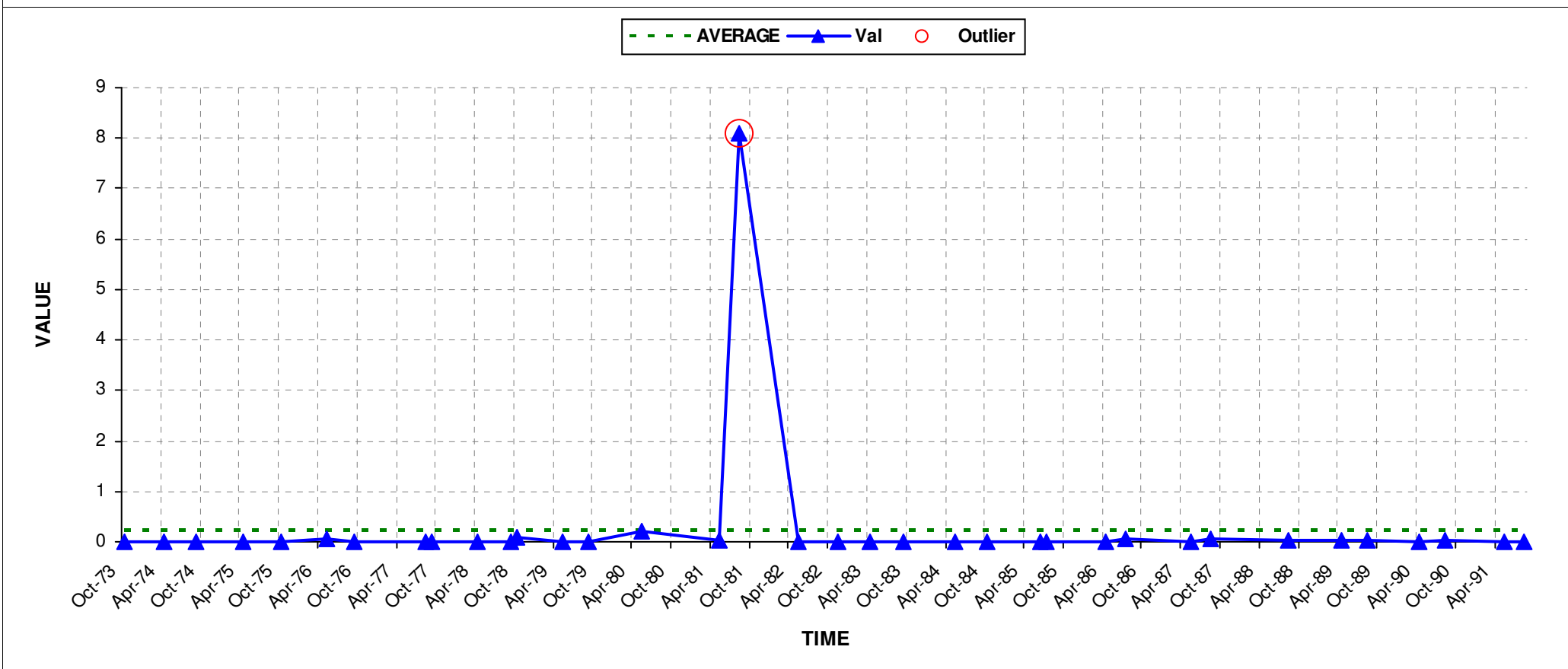
EE_GW_EE031

msStation_ID:

EE1171_19161

Outlier values ([ViolatedRule, Date]: Val):

[101, 13/08/1981]: 8.1



deWbName:

Nitrite

WaterbaseID:

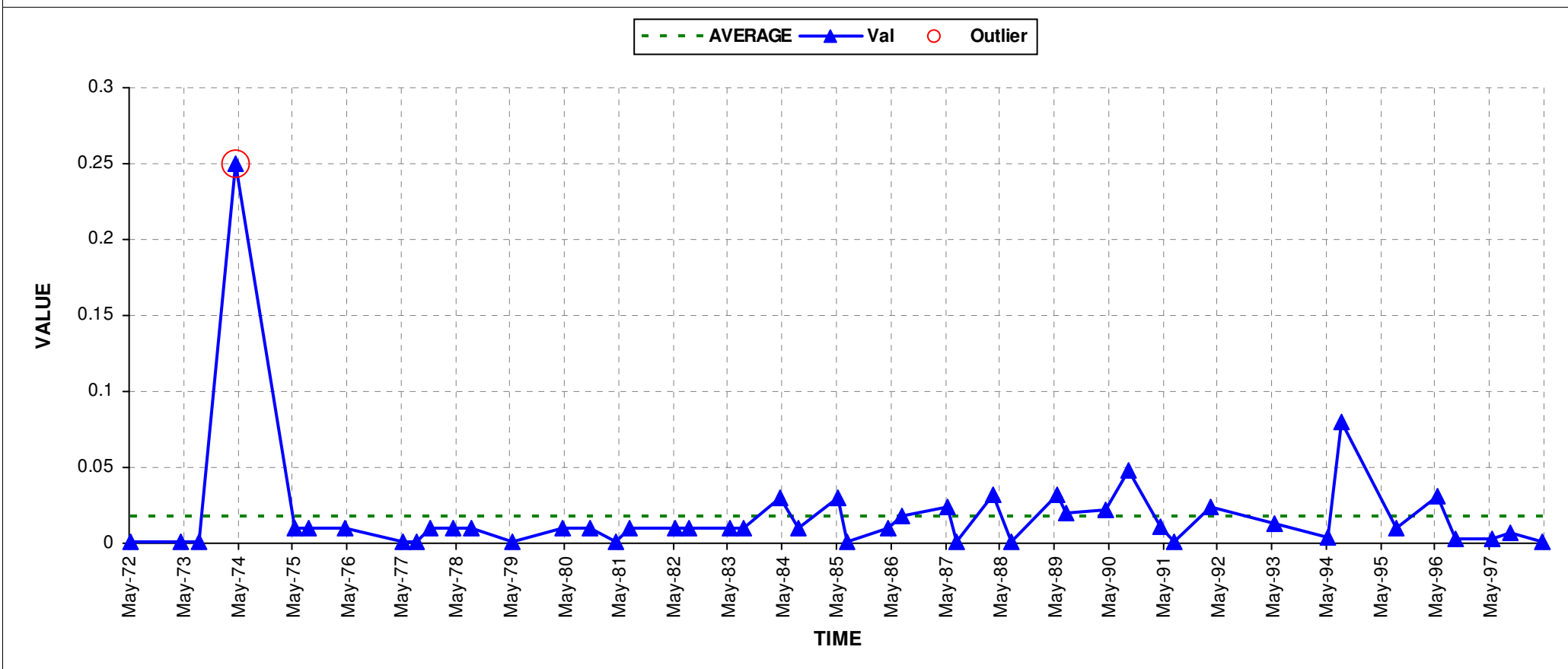
EE_GW_EE031

msStation_ID:

EE212_3228

Outlier values ([ViolatedRule, Date]: Val):

[101, 16/04/1974]: 0.25



deWbName:

Nitrite

WaterbaseID:

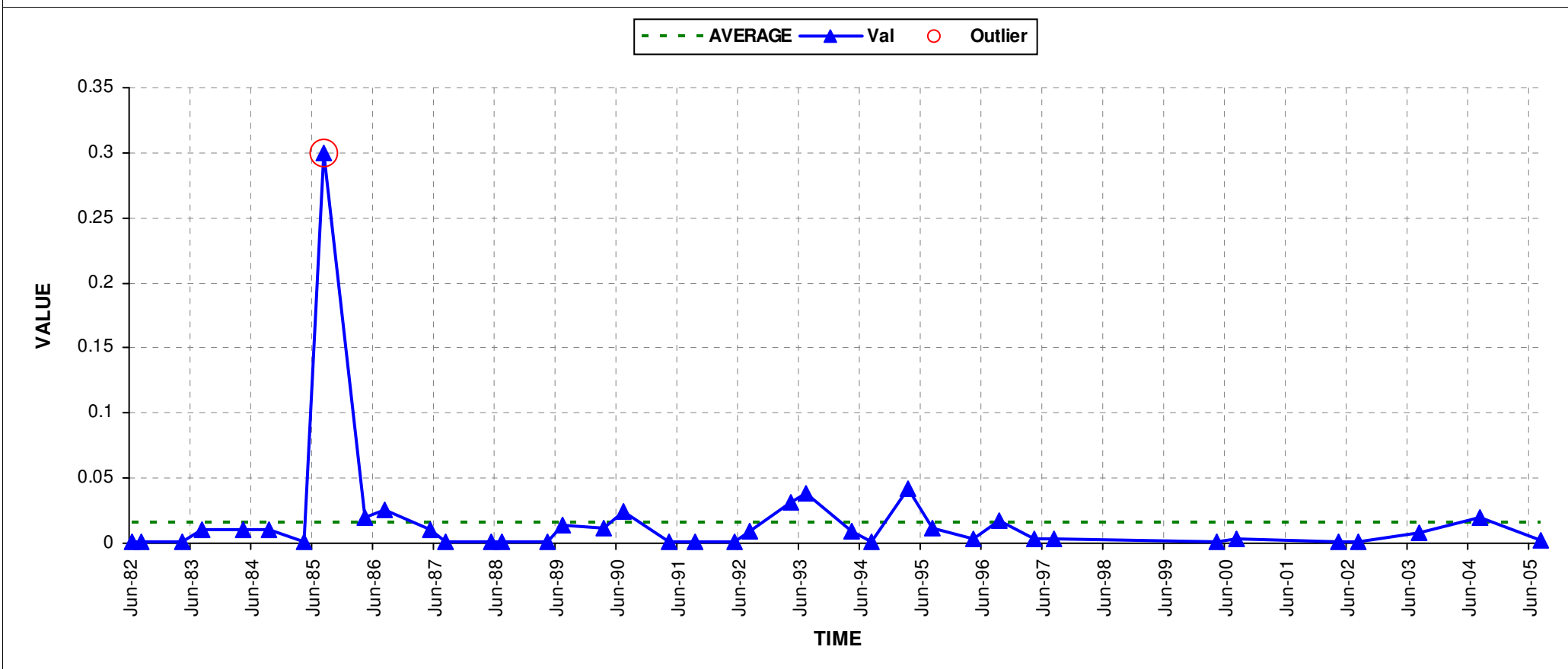
EE_GW_EE031

msStation_ID:

EE664_451

Outlier values ([ViolatedRule, Date]: Val):

[101, 02/08/1985]: 0.3



deWbName:

Nitrite

WaterbaseID:

EE_GW_EE031

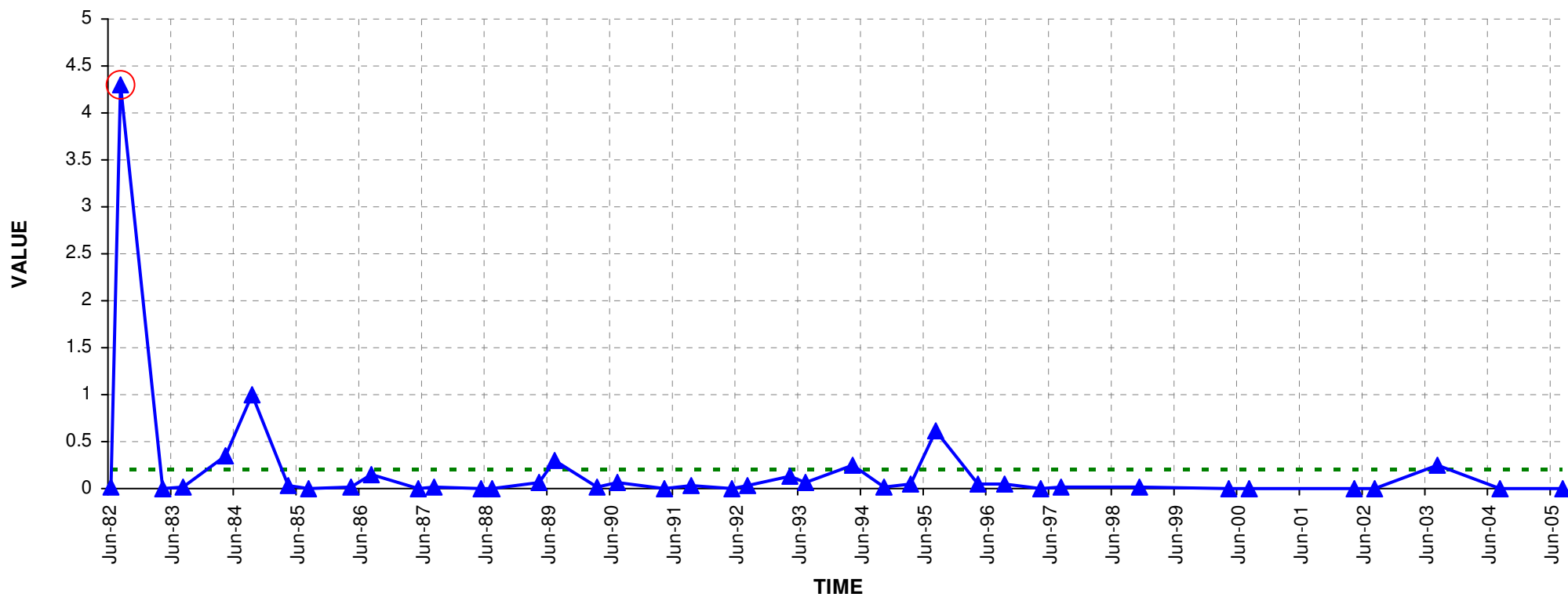
msStation_ID:

EE665_452

Outlier values ([ViolatedRule, Date]: Val):

[101, 20/08/1982]: 4.3

--- AVERAGE ▲ Val ○ Outlier



deWbName:

Nitrite

WaterbaseID:

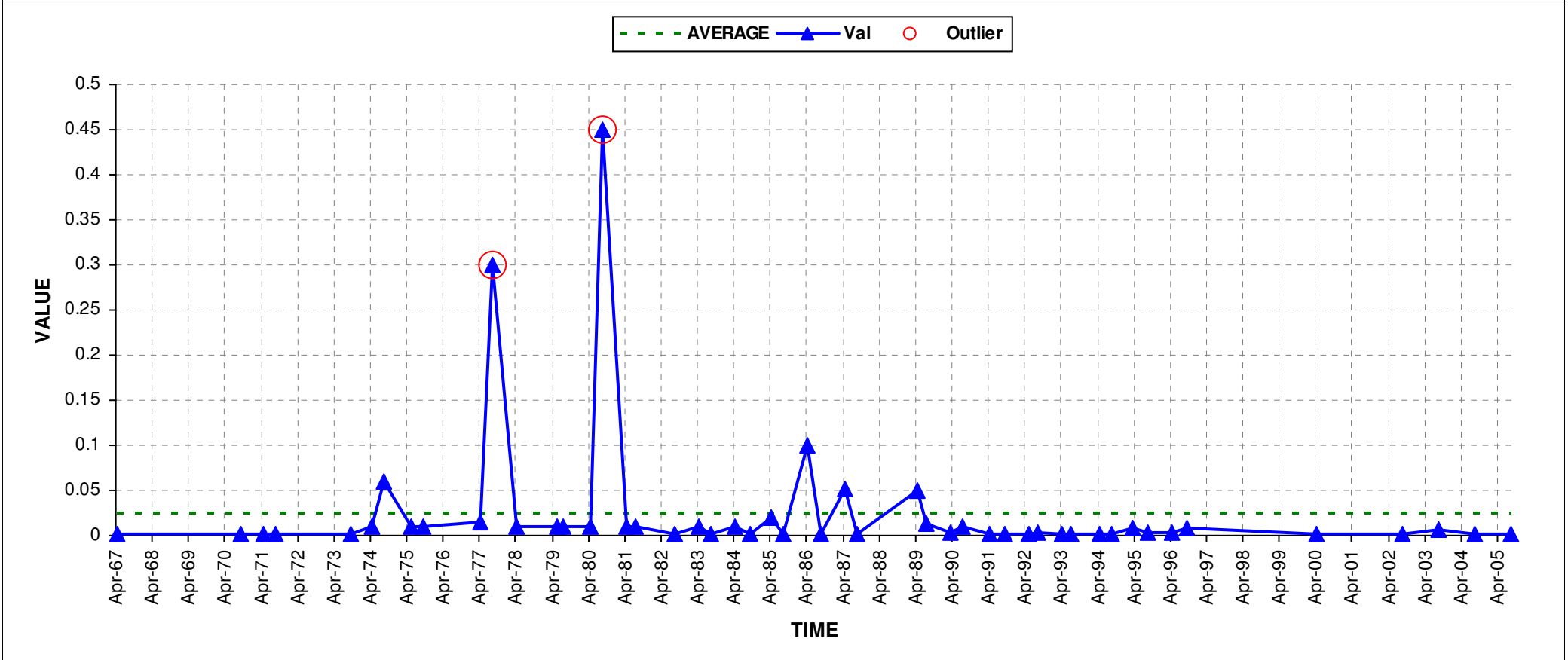
EE_GW_EE031

msStation_ID:

EE702-A_278

Outlier values ([ViolatedRule, Date]: Val):

[Expert, 16/08/1977]: 0.3; [101, 28/08/1980]: 0.45



deWbName:

Nitrite

WaterbaseID:

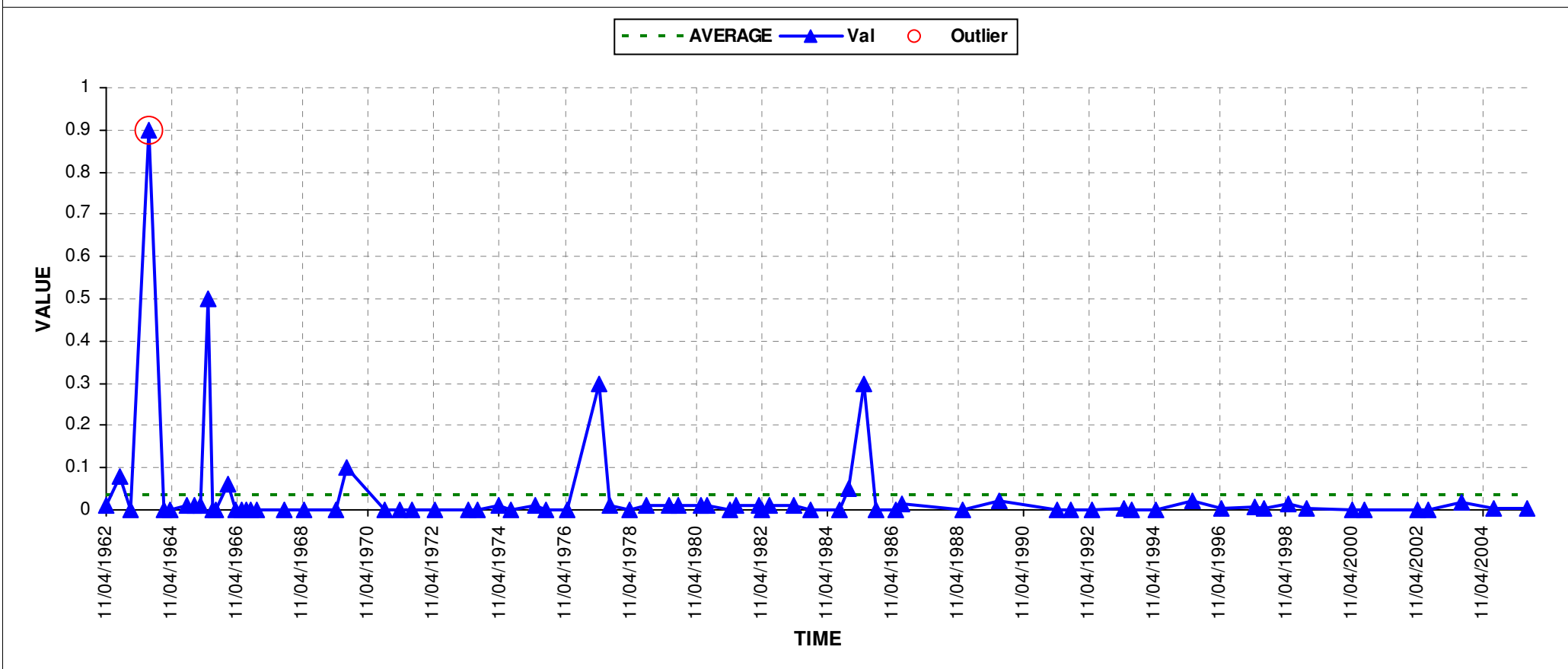
EE_GW_EE031

msStation_ID:

EE715-A_457

Outlier values ([ViolatedRule, Date]: Val):

[101, 04/08/1963]: 0.9



deWbName:

Nitrite

WaterbaseID:

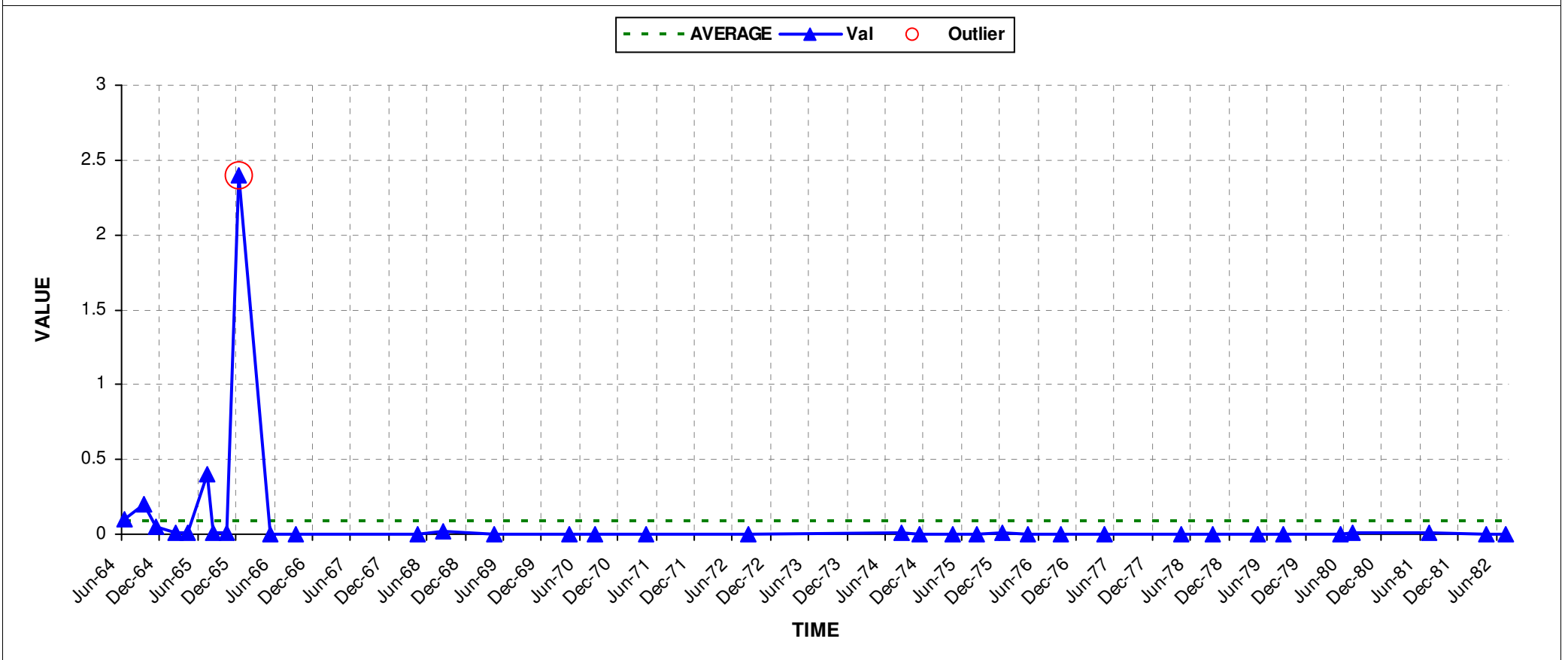
EE_GW_EE031

msStation_ID:

EE8-Q_19273

Outlier values ([ViolatedRule, Date]: Val):

[101, 20/12/1965]: 2.4



deWbName:

Nitrite

WaterbaseID:

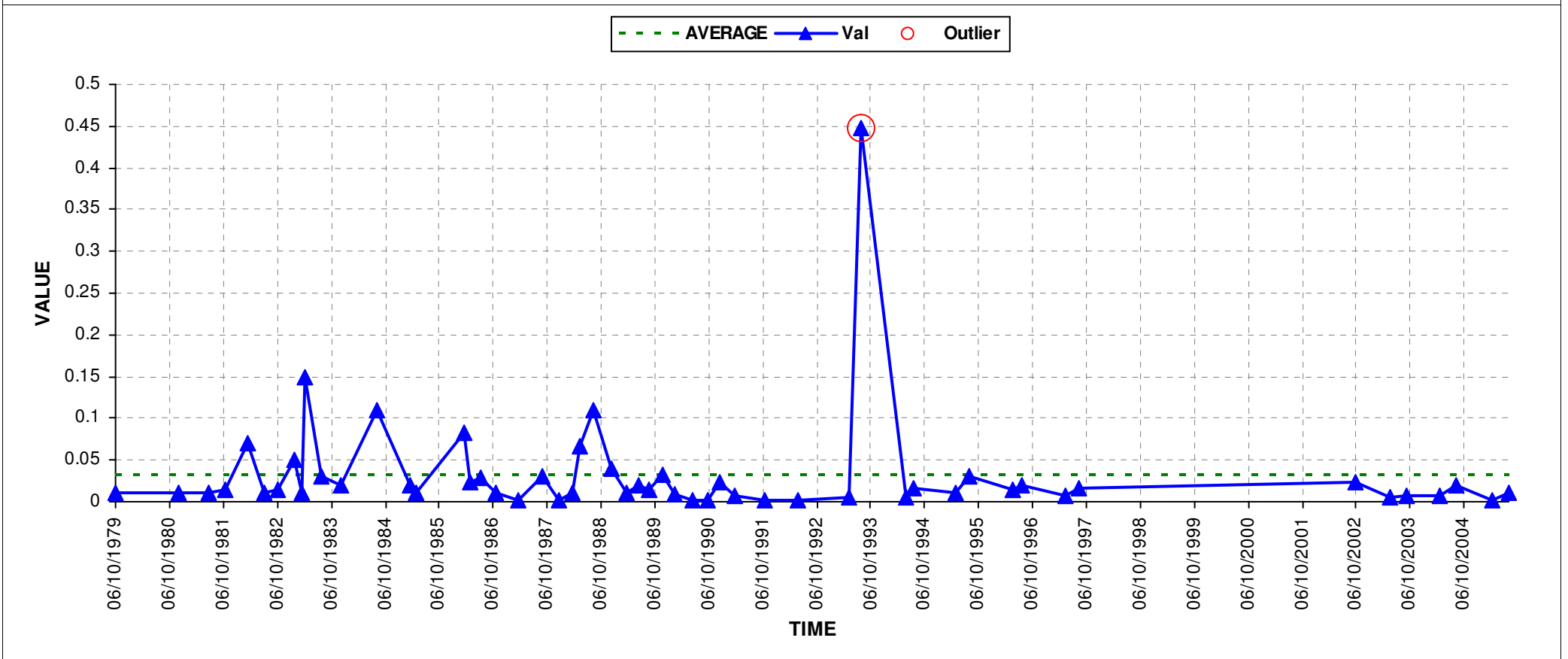
EE_GW_EE031

msStation_ID:

EEA03

Outlier values ([ViolatedRule, Date]: Val):

[101, 28/07/1993]: 0.447



deWbName:

Nitrite

WaterbaseID:

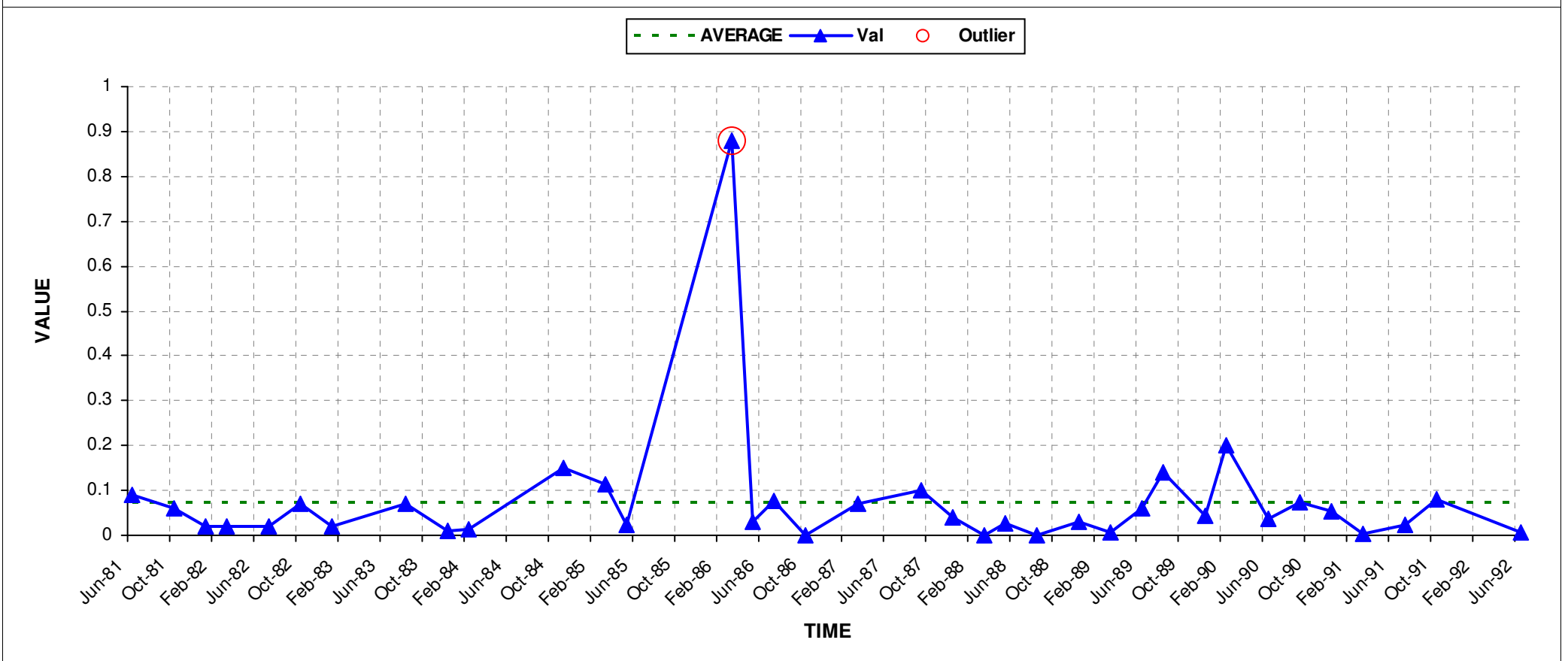
EE_GW_EE031

msStation_ID:

EEA08

Outlier values ([ViolatedRule, Date]: Val):

[101, 20/03/1986]: 0.88



deWbName:

Nitrite

WaterbaseID:

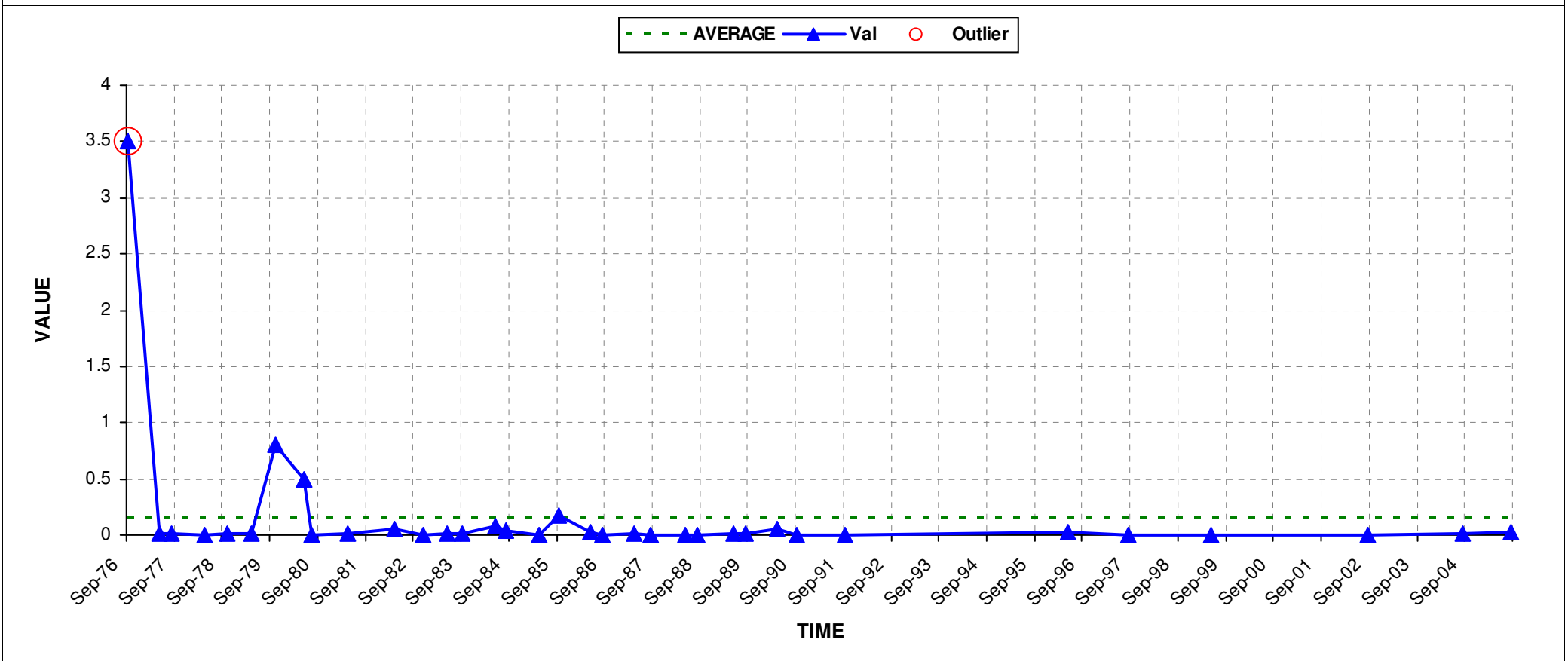
EE_GW_EE032

msStation_ID:

EE1196_7574

Outlier values ([ViolatedRule, Date]: Val):

[101, 08/09/1976]: 3.5



deWbName:

Nitrite

WaterbaseID:

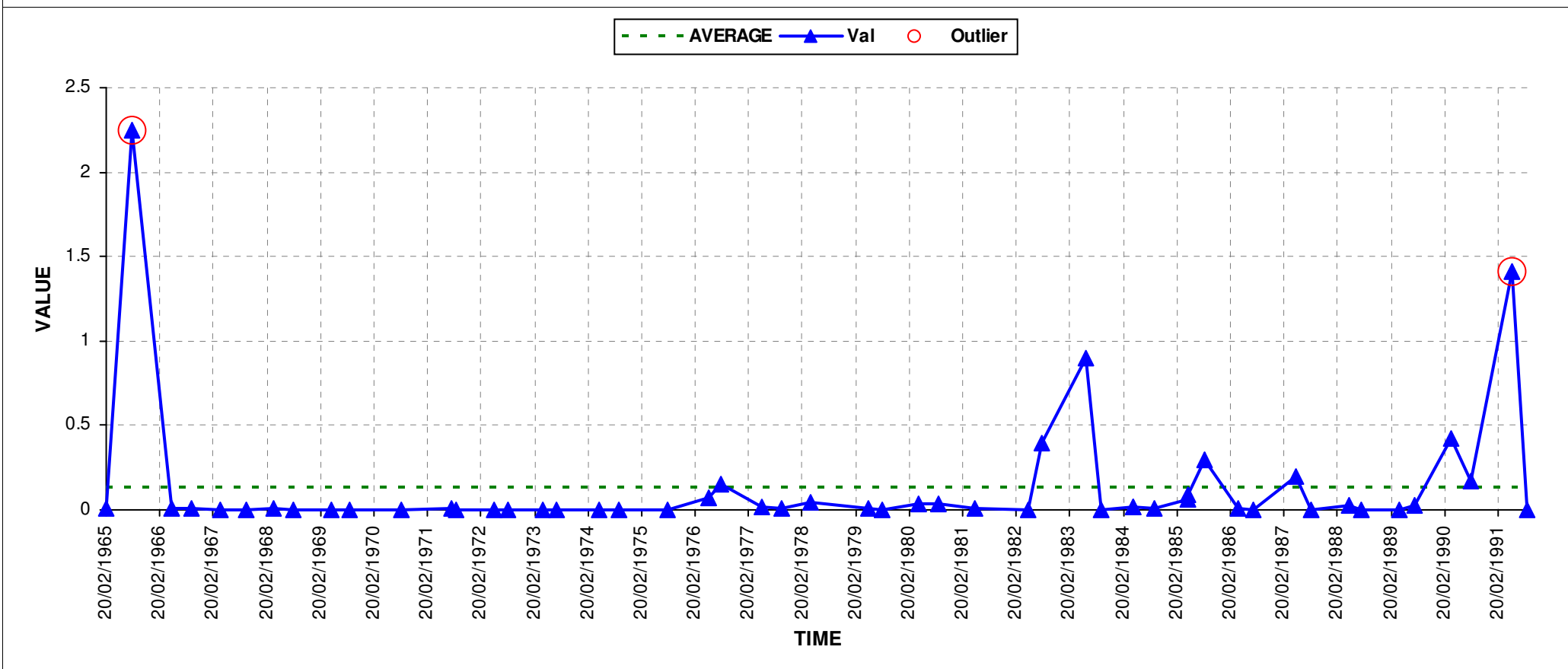
EE_GW_EE032

msStation_ID:

EE871_8112

Outlier values ([ViolatedRule, Date]: Val):

[101, 10/08/1965]: 2.25; [Expert, 23/05/1991]: 1.416



deWbName:

Nitrite

WaterbaseID:

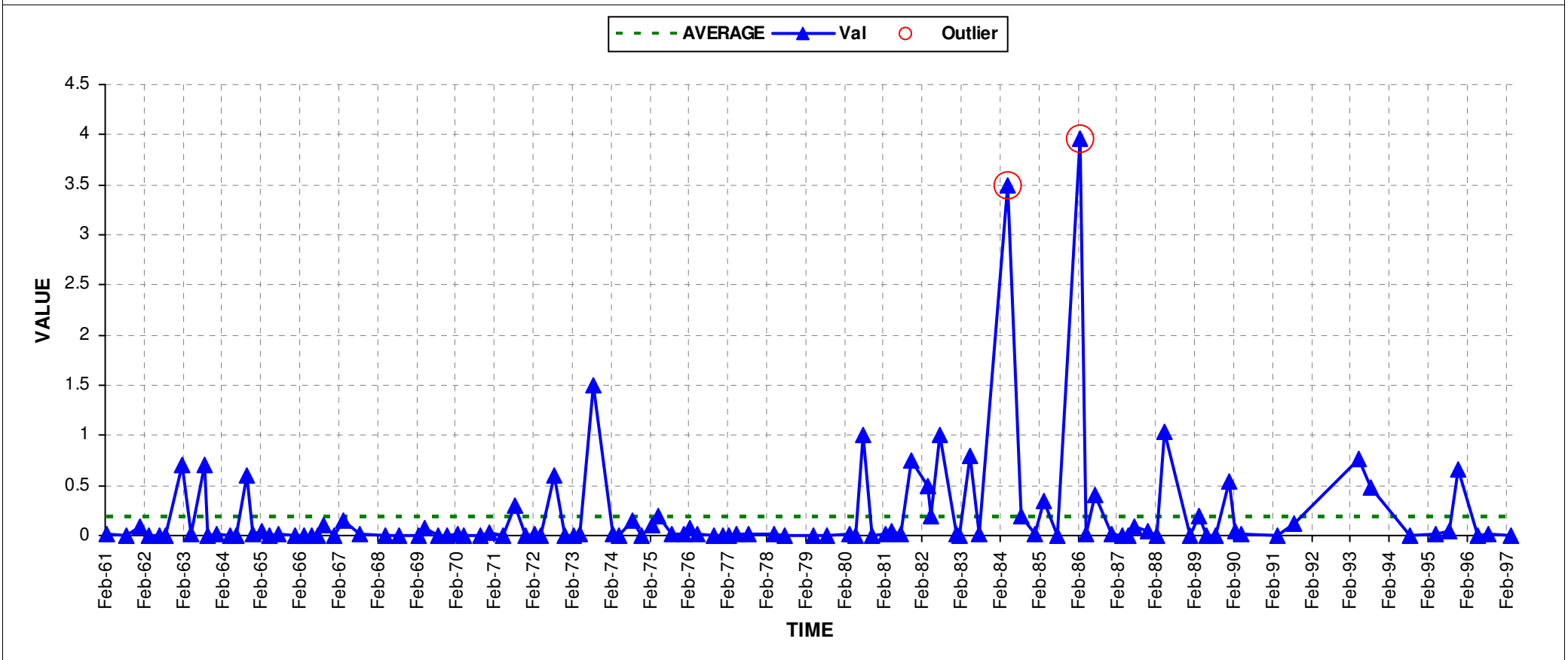
EE_GW_EE033

msStation_ID:

EE173_4333

Outlier values ([ViolatedRule, Date]: Val):

[101, 13/04/1984]: 3.5; [101, 12/02/1986]: 3.96



deWbName:

Nitrite

WaterbaseID:

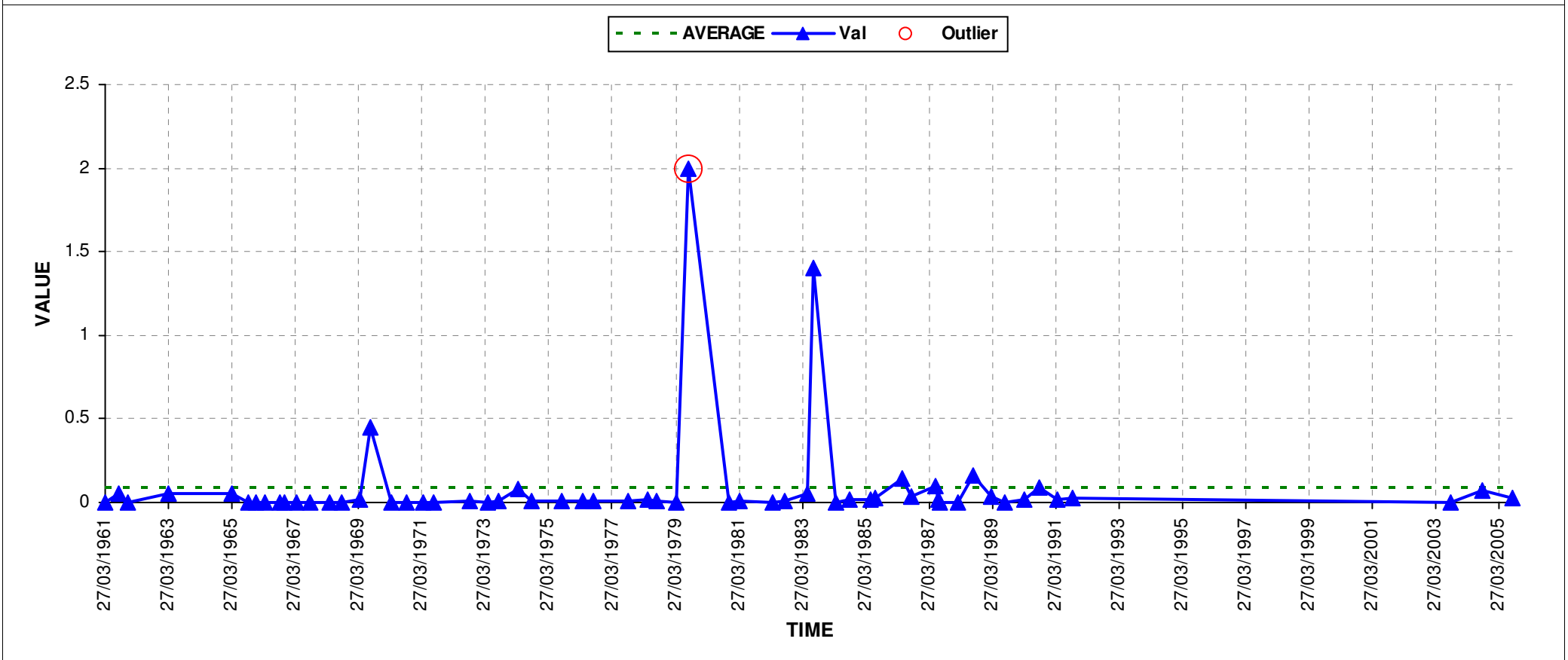
EE_GW_EE033

msStation_ID:

EE23_19028

Outlier values ([ViolatedRule, Date]: Val):

[101, 14/08/1979]: 2



deWbName:

Nitrite

WaterbaseID:

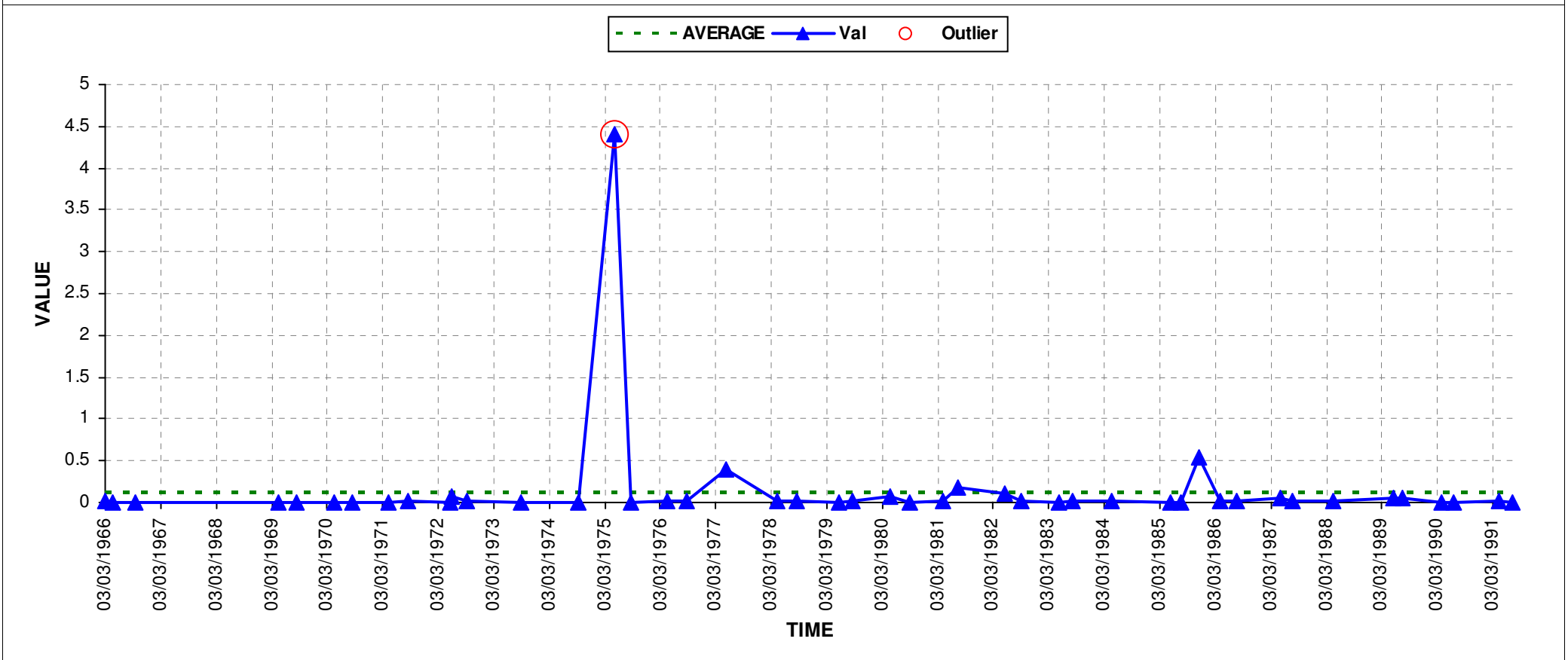
EE_GW_EE033

msStation_ID:

EE234_2990

Outlier values ([ViolatedRule, Date]: Val):

[101, 06/05/1975]: 4.4



deWbName:

Nitrite

WaterbaseID:

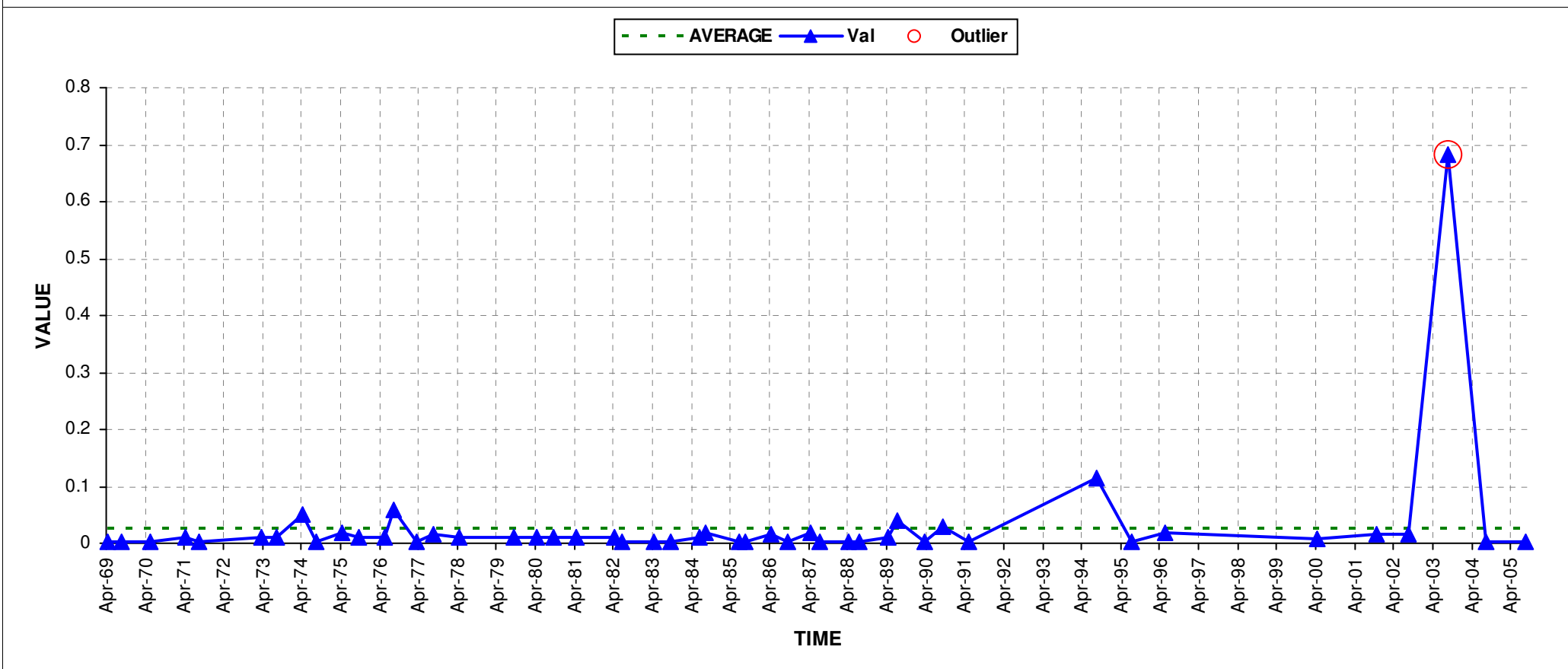
EE_GW_EE033

msStation_ID:

EE304_19143

Outlier values ([ViolatedRule, Date]: Val):

[101, 14/08/2003]: 0.684



deWbName:

Nitrite

WaterbaseID:

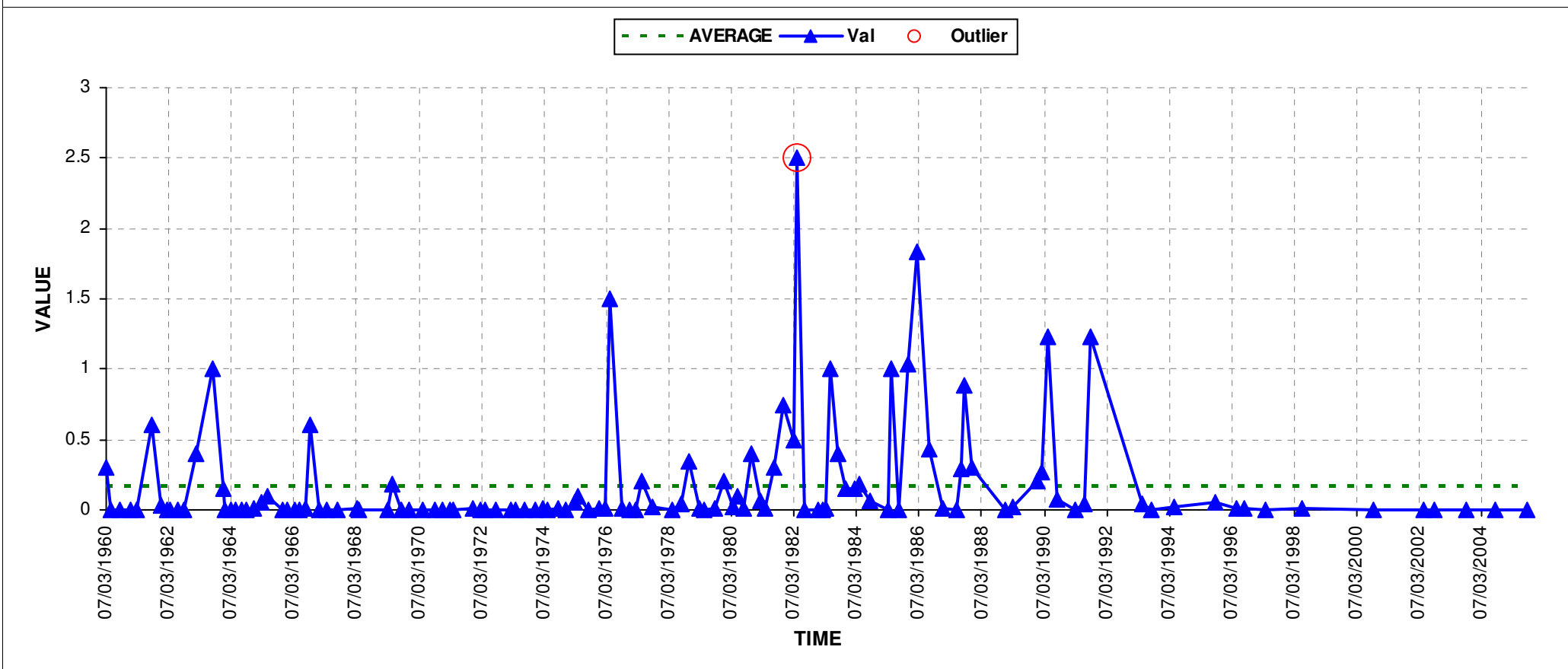
EE_GW_EE033

msStation_ID:

EE36_4293

Outlier values ([ViolatedRule, Date]: Val):

[101, 15/04/1982]: 2.5



deWbName:

Nitrite

WaterbaseID:

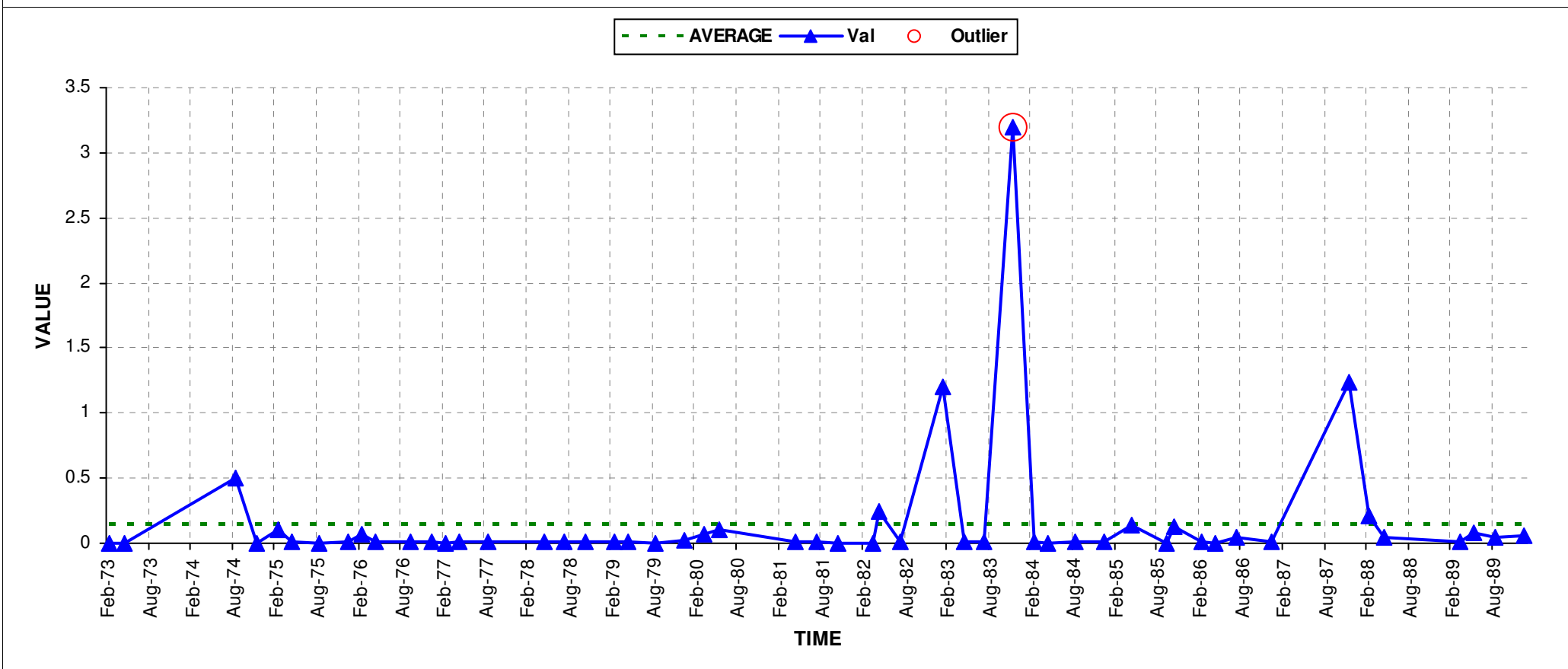
EE_GW_EE033

msStation_ID:

EE373_4295

Outlier values ([ViolatedRule, Date]: Val):

[101, 02/11/1983]: 3.2



deWbName:

Nitrite

WaterbaseID:

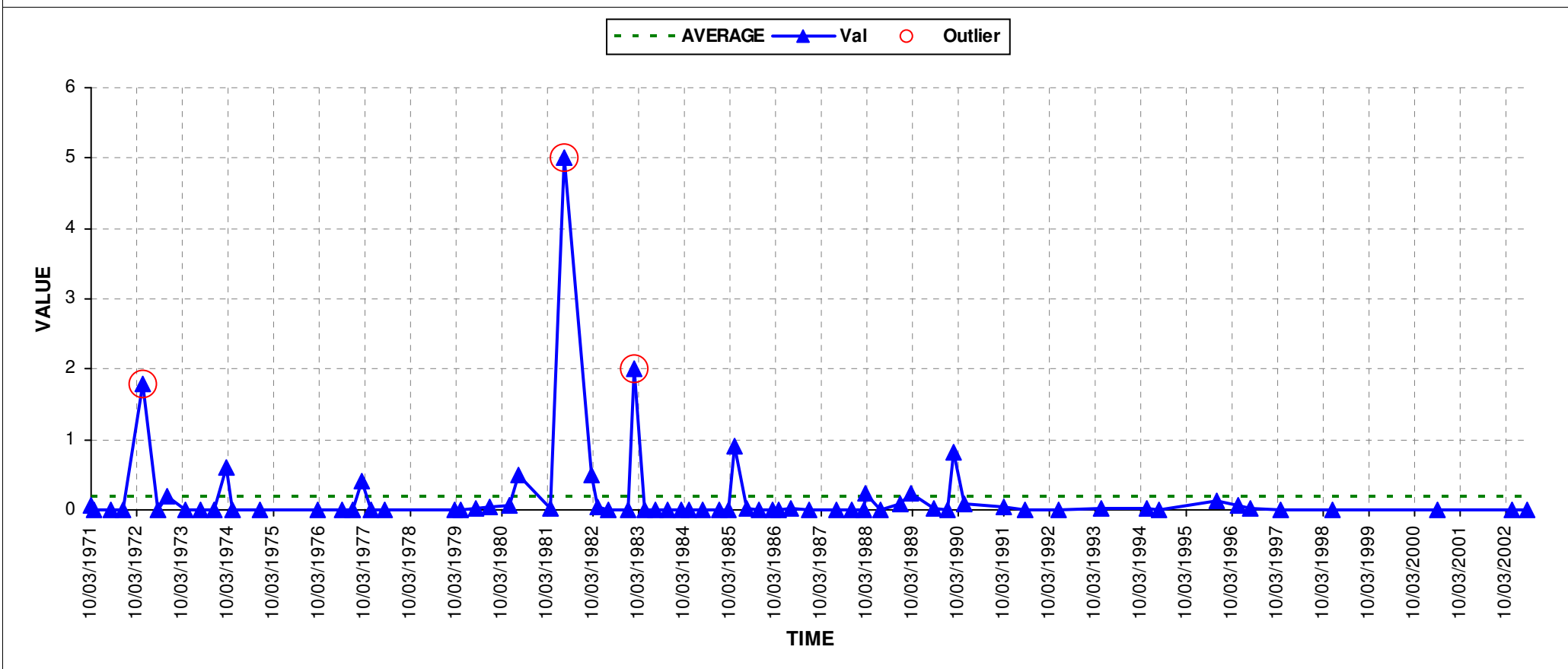
EE_GW_EE033

msStation_ID:

EE375_4370

Outlier values ([ViolatedRule, Date]: Val):

[Expert, 24/04/1972]: 1.8; [101, 22/07/1981]: 5; [Expert, 31/01/1983]: 2



deWbName:

Nitrite

WaterbaseID:

EE_GW_EE033

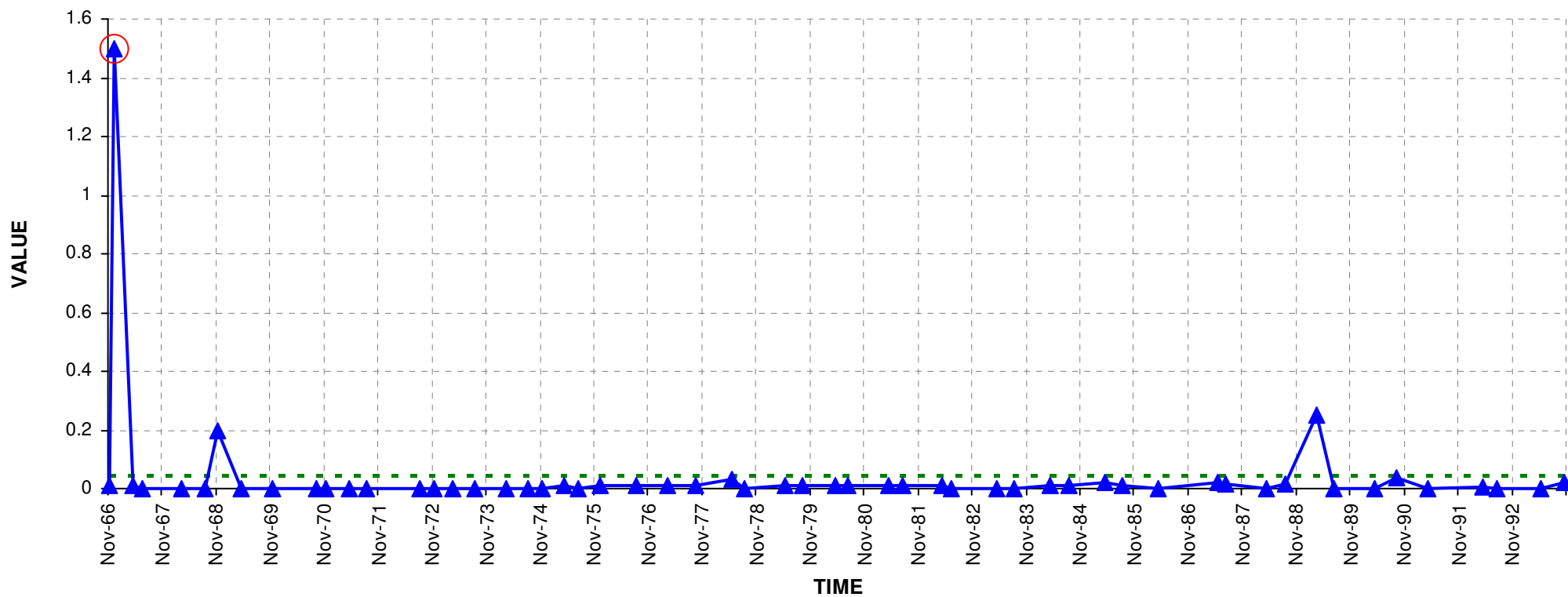
msStation_ID:

EE516_8680

Outlier values ([ViolatedRule, Date]: Val):

[101, 01/12/1966]: 1.5

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deWbName:

Nitrite

WaterbaseID:

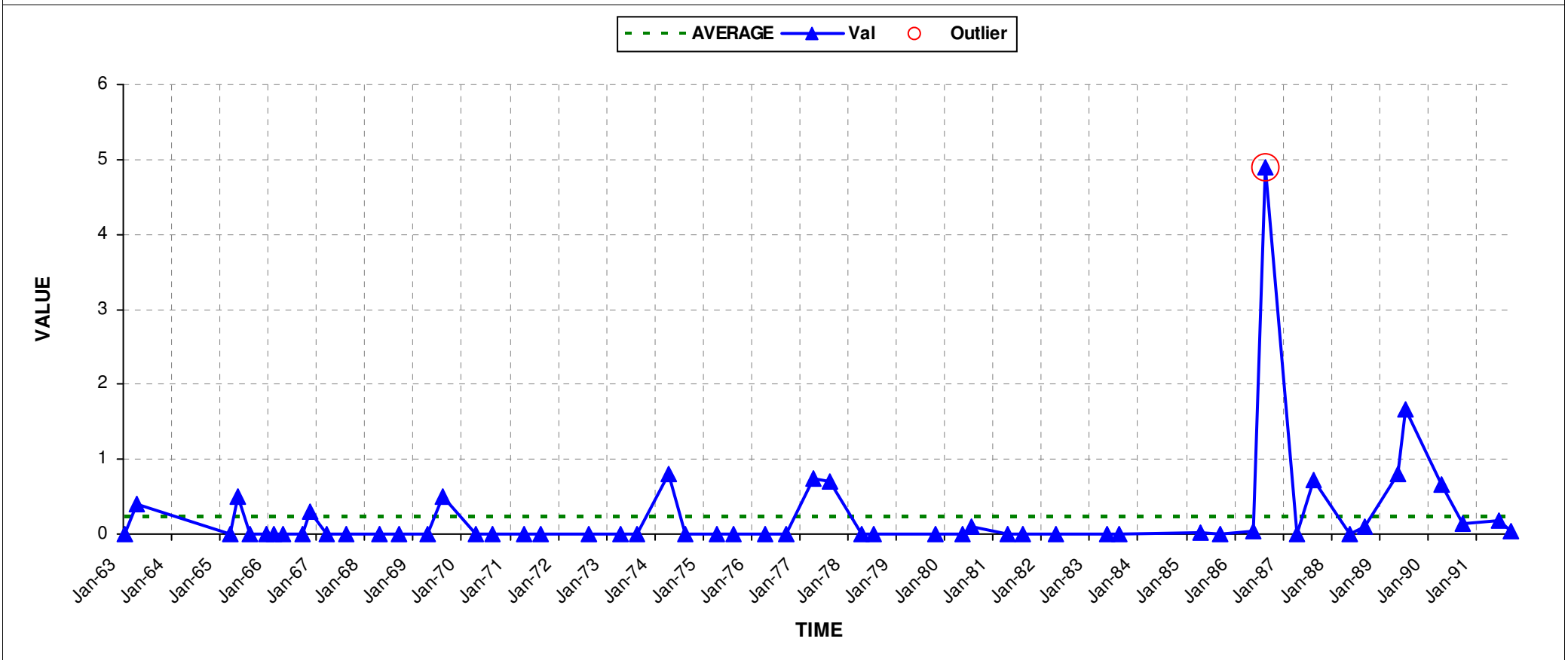
EE_GW_EE033

msStation_ID:

EE566_6661

Outlier values ([ViolatedRule, Date]: Val):

[101, 26/08/1986]: 4.9



deWbName:

Nitrite

WaterbaseID:

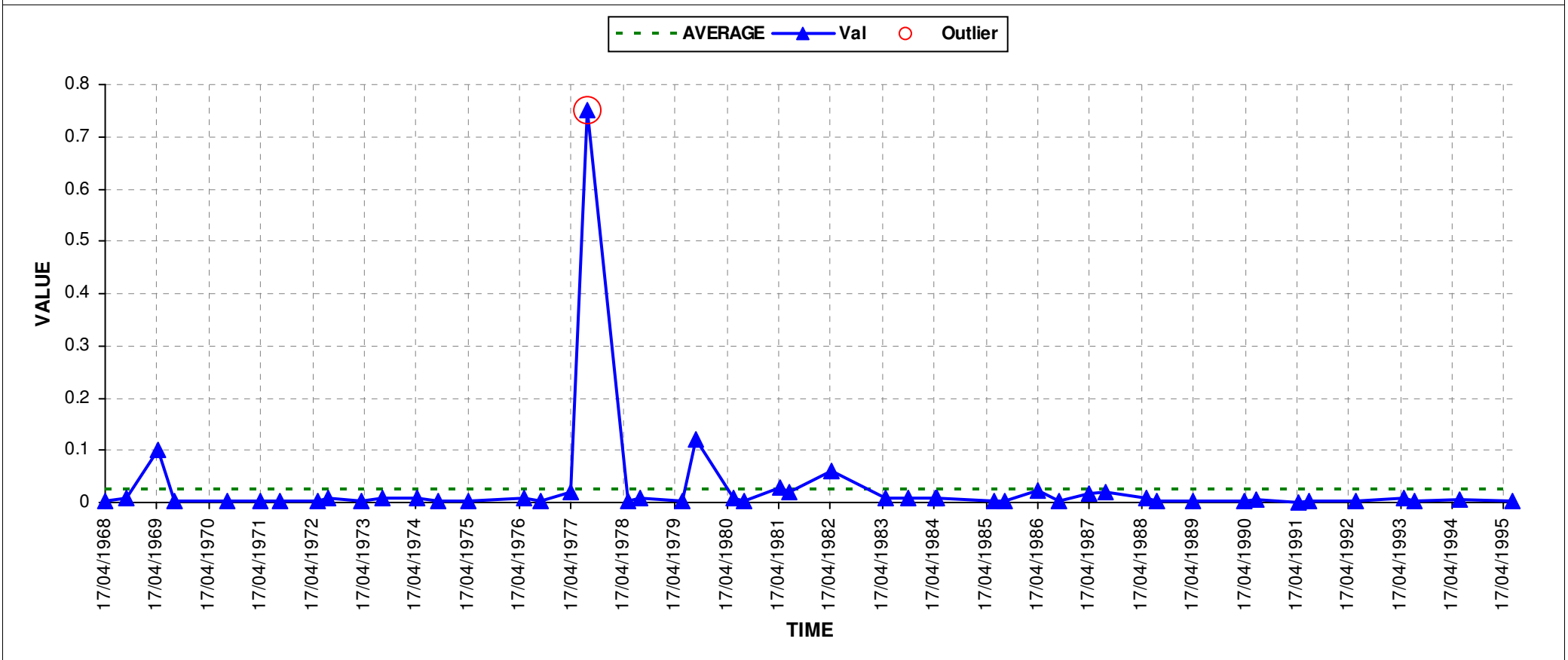
EE_GW_EE033

msStation_ID:

EE6429-E_2953

Outlier values ([ViolatedRule, Date]: Val):

[101, 11/08/1977]: 0.75



deWbName:

Nitrite

WaterbaseID:

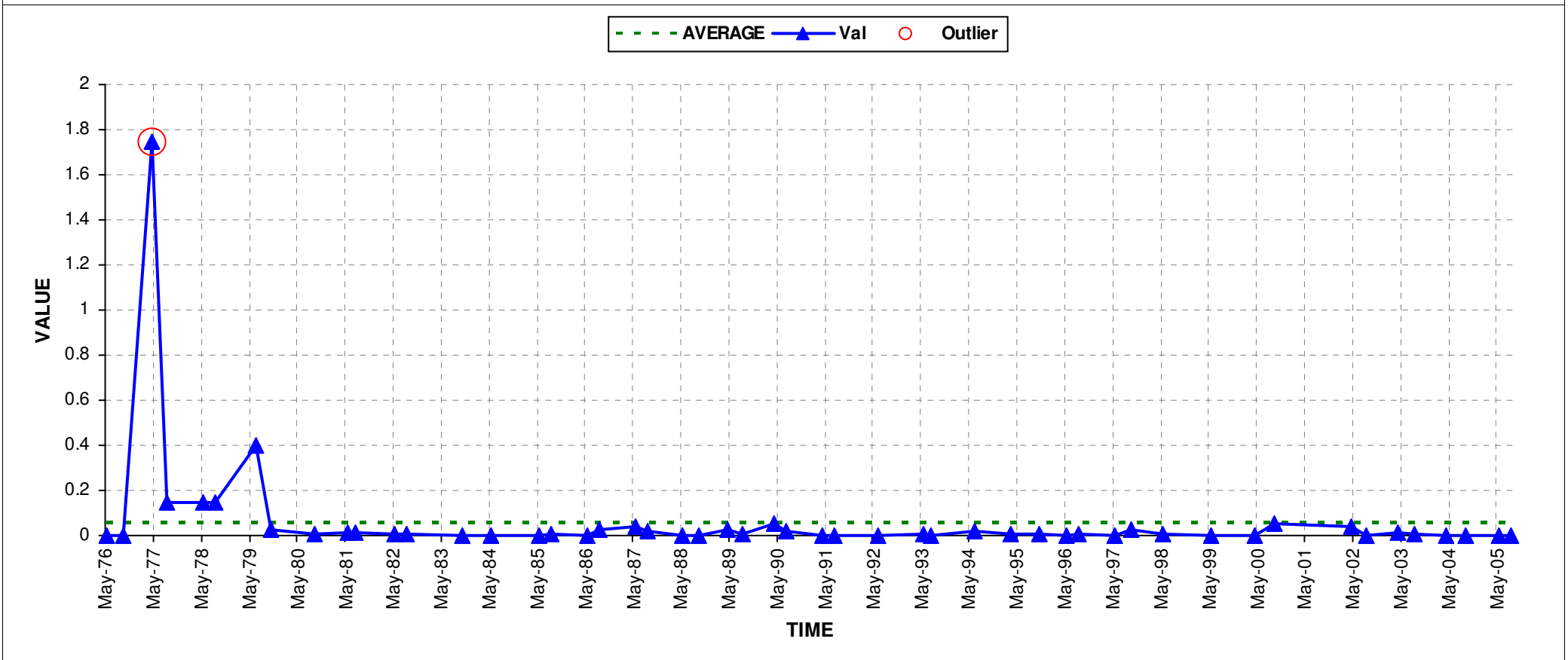
EE_GW_EE033

msStation_ID:

EE935-A_3062

Outlier values ([ViolatedRule, Date]: Val):

[101, 12/04/1977]: 1.75



deWbName:

Nitrite

WaterbaseID:

EE_GW_EE033

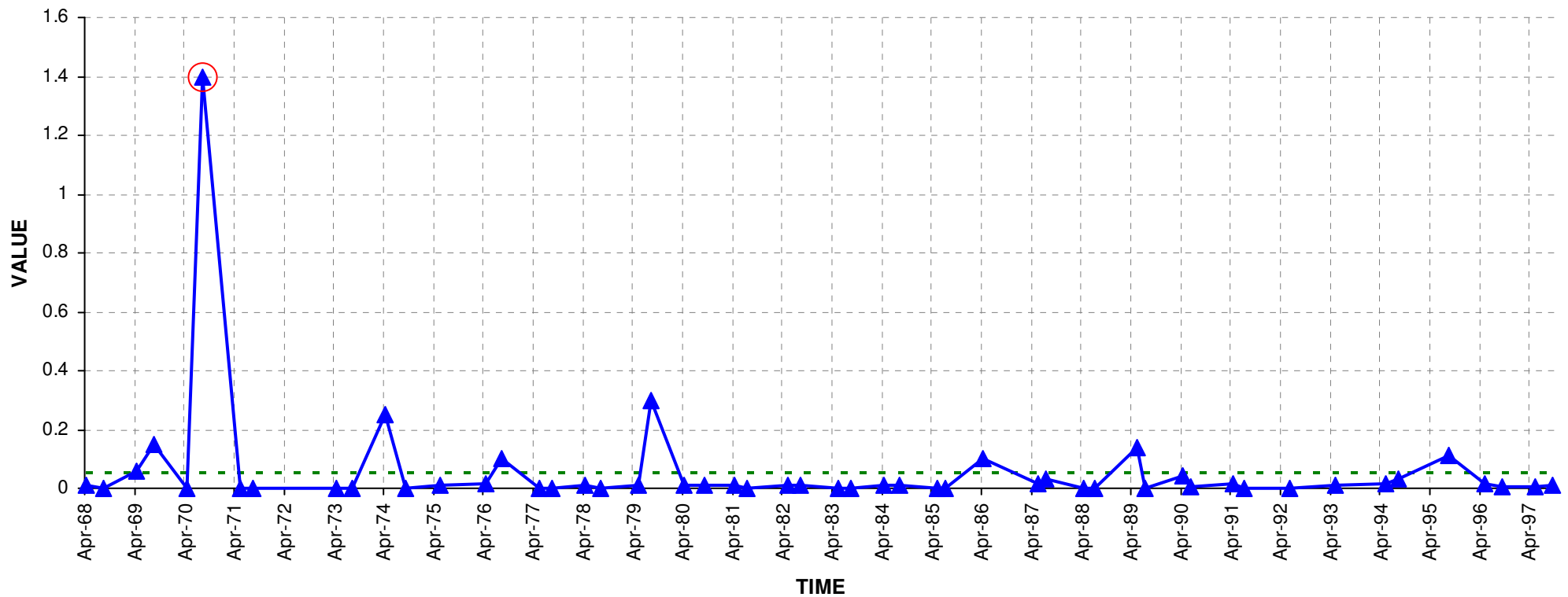
msStation_ID:

EE949_2595

Outlier values ([ViolatedRule, Date]: Val):

[101, 14/08/1970]: 1.4

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deWbName:

Nitrite

WaterbaseID:

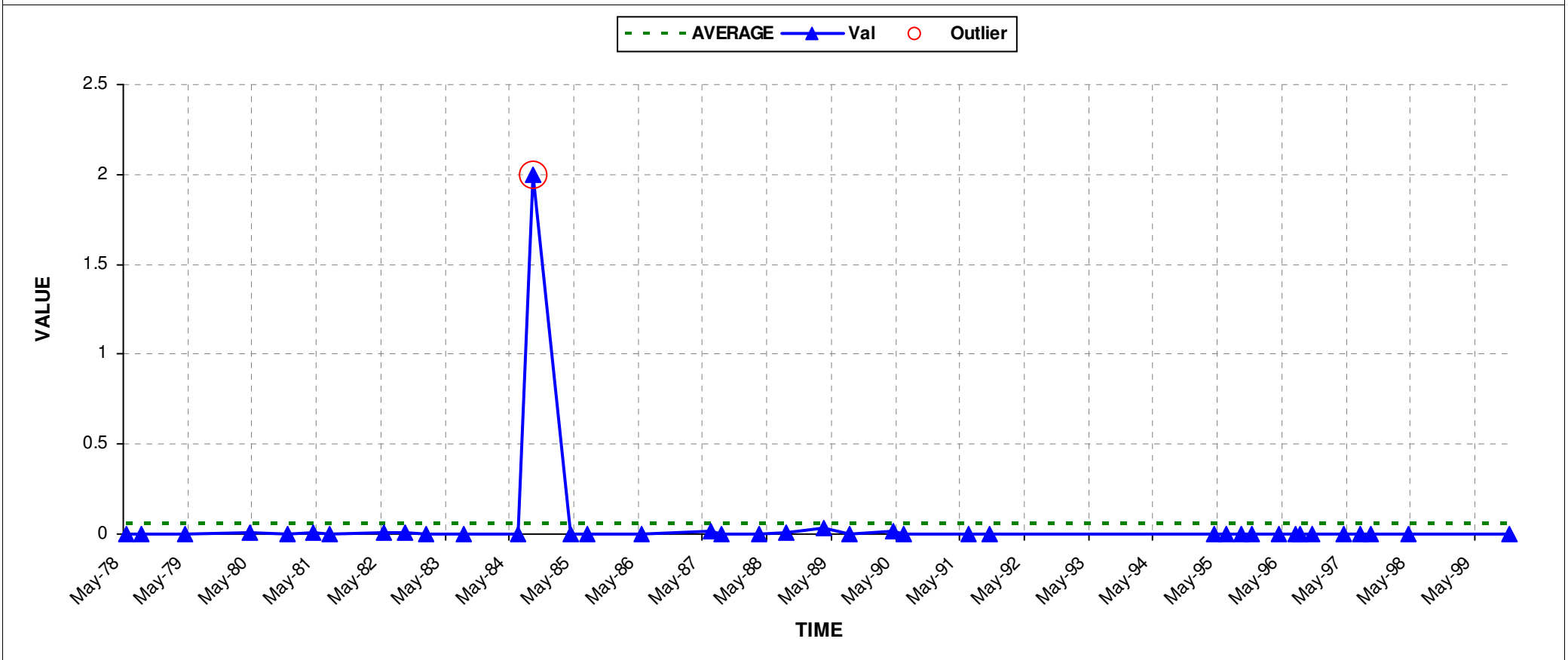
EE_GW_EE035

msStation_ID:

EE396-A_2773

Outlier values ([ViolatedRule, Date]: Val):

[101, 12/09/1984]: 2



deWbName:

Nitrite

WaterbaseID:

EE_GW_EE035

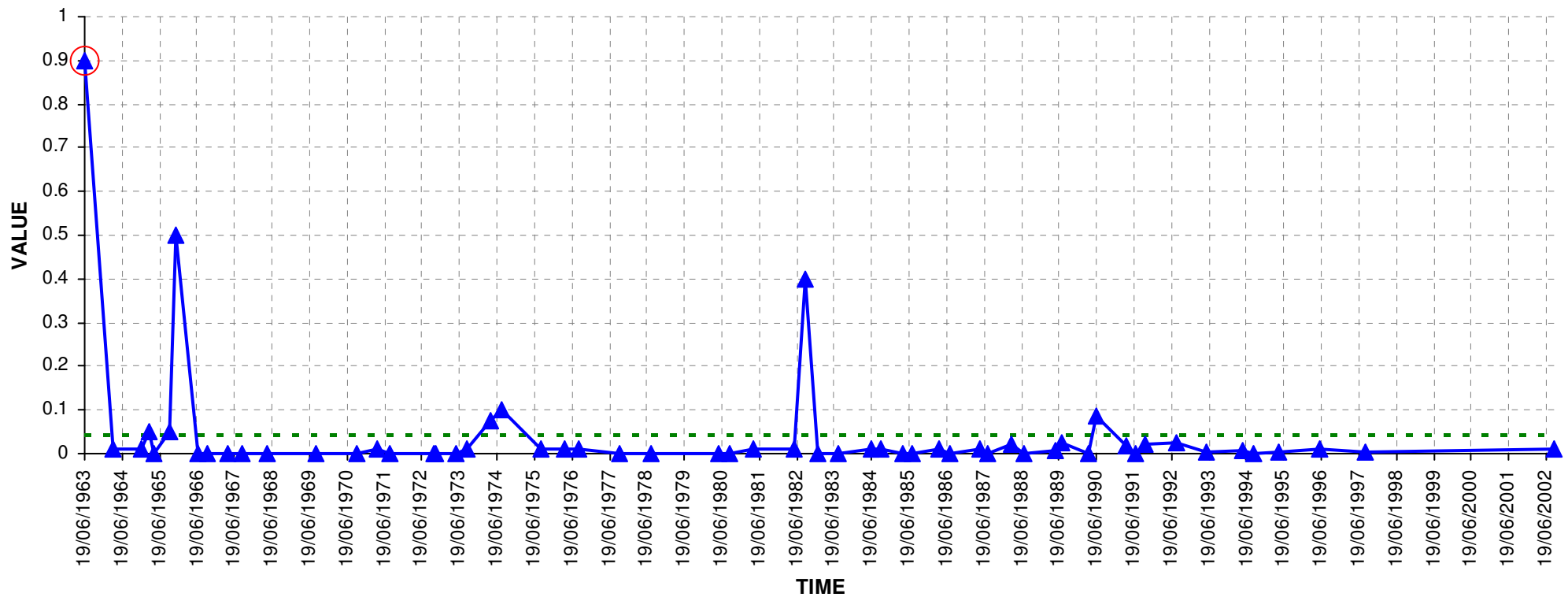
msStation_ID:

EE865_2632

Outlier values ([ViolatedRule, Date]: Val):

[101, 19/06/1963]: 0.9

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deWbName:

Nitrite

WaterbaseID:

EE_GW_EE035

msStation_ID:

EE868_678

Outlier values ([ViolatedRule, Date]: Val):

[101, 11/05/1983]: 1.15

