2013 Rio Grande Basin Summary Report Supplemental Information

Texas Clean Rivers Program
International Boundary and Water Commission,
United States Section

Supplemental Information to the 2013 Rio Grande Basin Summary Report

Trend Analysis Graphs for Evaluated Parameters

1. Upper Rio Grande Segment 2314
2. Upper Rio Grande Segment 2308
3. Upper Rio Grande Segment 2307
4. Upper Rio Grande Segment 2306
5. Upper Rio Grande Segment 2305
6. Upper Rio Grande Segment 2309
7. Pecos River Segment 2312
8. Pecos River Segment 2311
9. Pecos River Segment 2310
10. Middle Rio Grande Segment 2313
11. Middle Rio Grande Segment 2304
12. Lower Rio Grande Segment 2303
13. Lower Rio Grande Segment 2302
14. Lower Rio Grande Segment 2301

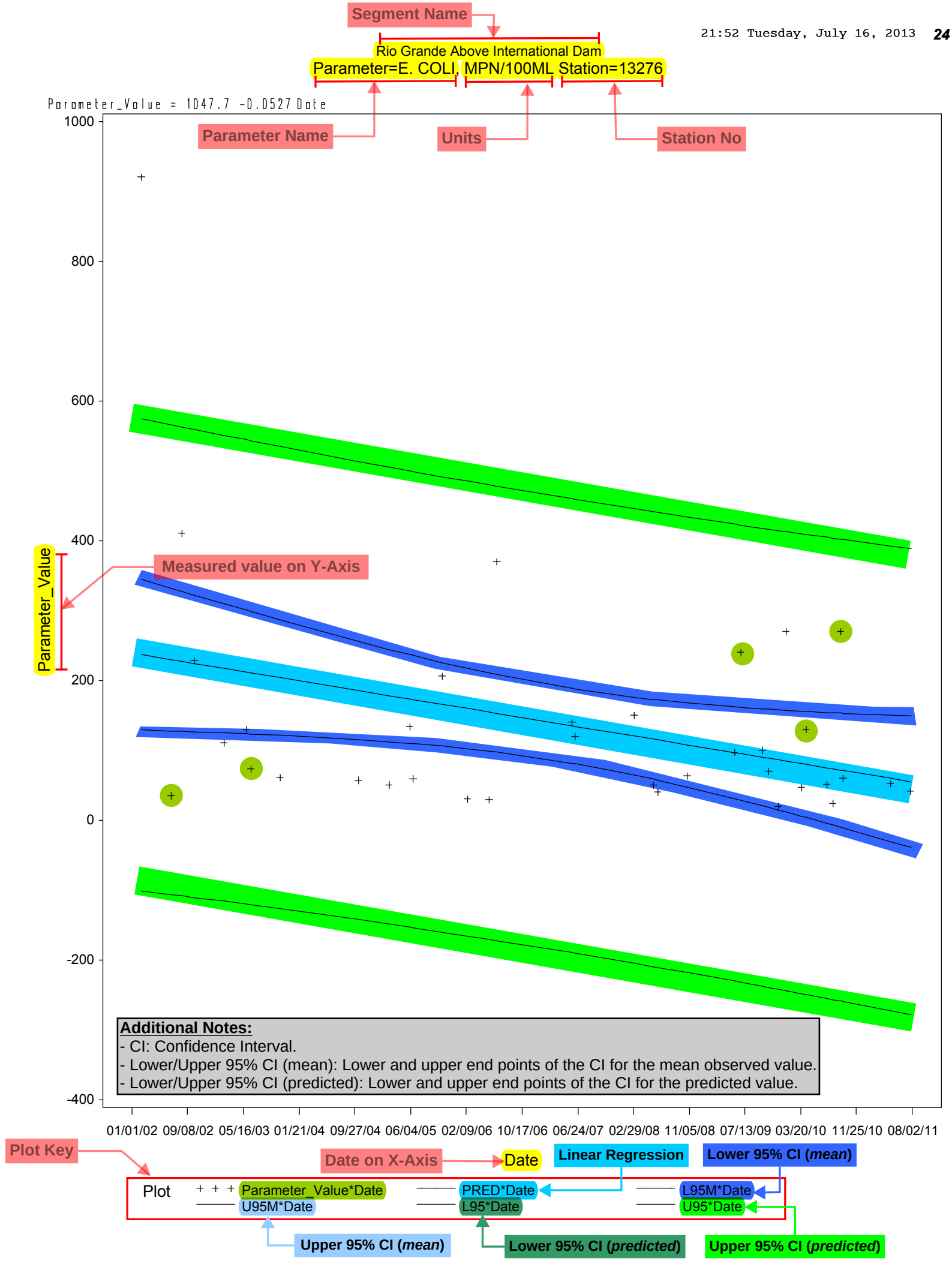
PREPARED IN COOPERATION WITH THE

Texas Commission on Environmental Quality

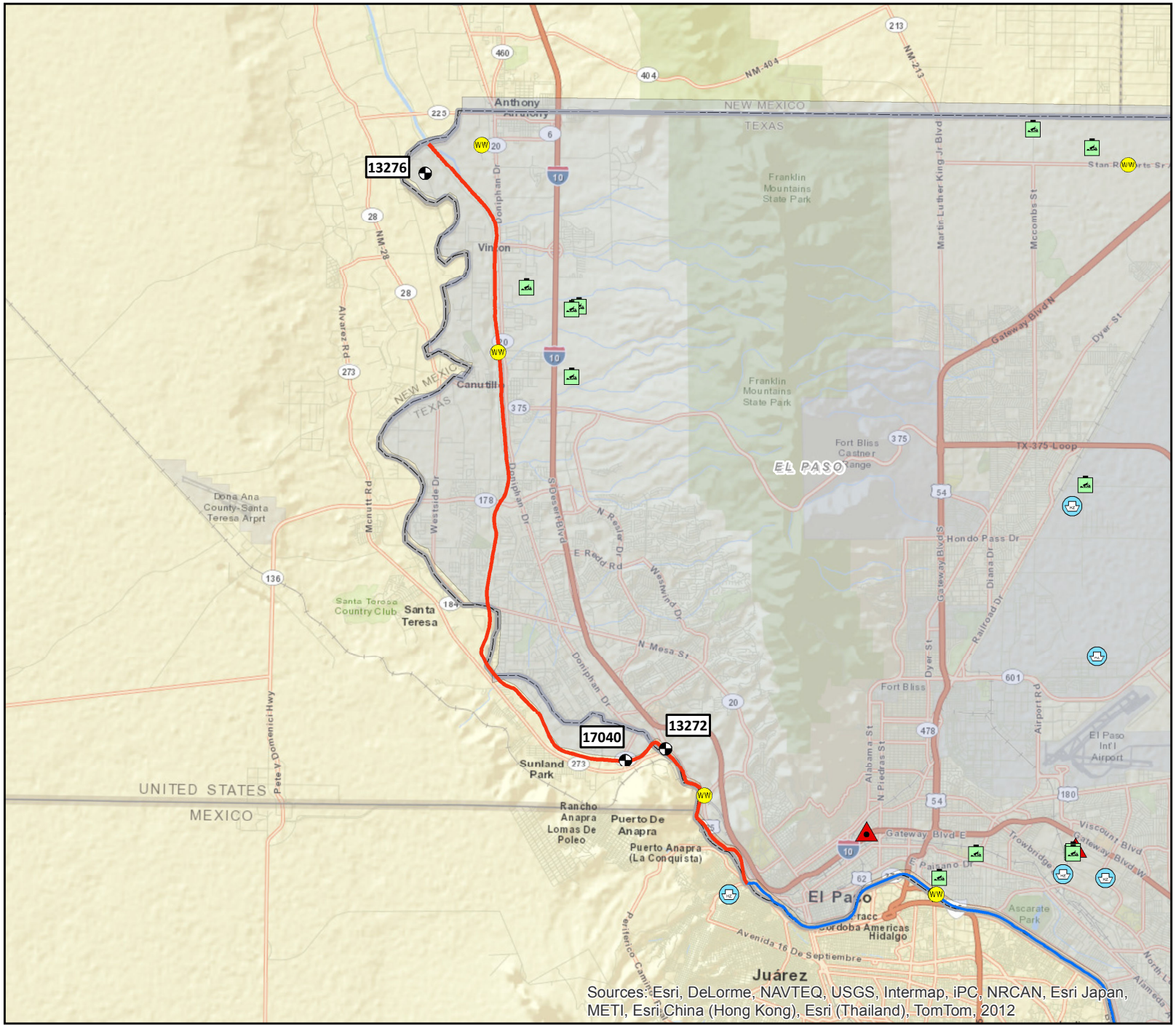
The preparation of this report was financed through grants from the Texas Commission on Environmental Quality.

Annotated Graph Key and Notes

Reference for Graphs contained in this Supplemental Information Document


Segment Name
Rio Grande Above International Dam
Parameter=E. COLI, MPN/100ML Station=13276
Parameter_Value = 1047.7 -0.0527 Date
Parameter Name
Units
Station No
Measured value on Y-Axis
Parameter_Value
1000
800
600
400
200
0
-200
-400
01/01/02 09/08/02 05/16/03 01/21/04 09/27/04 06/04/05 02/09/06 10/17/06 06/24/07 02/29/08 11/05/08 07/13/09 03/20/10 11/25/10 08/02/11
Additional Notes:
- CI: Confidence Interval.
- Lower/Upper 95% CI (mean): Lower and upper end points of the CI for the mean observed value.
- Lower/Upper 95% CI (predicted): Lower and upper end points of the CI for the predicted value.
Plot Key
Date on X-Axis
Date
Linear Regression
Lower 95% CI (mean)
Plot
Parameter_Value*Date
PRED*Date
L95M*Date
U95M*Date
L95*Date
U95*Date
Upper 95% CI (mean)
Lower 95% CI (predicted)
Upper 95% CI (predicted)

1. Upper Rio Grande Segment 2314



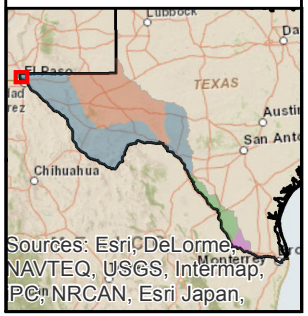
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Upper Rio Grande
Segment ID: 2314
Name: Rio Grande Above International Dam

LEGEND

- Monitoring Station (3)
- Wastewater Outfall (6)
- Hazardous Waste (5)
- Landfill (12)
- Superfund Site (2)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



0 1.5 3 MILES

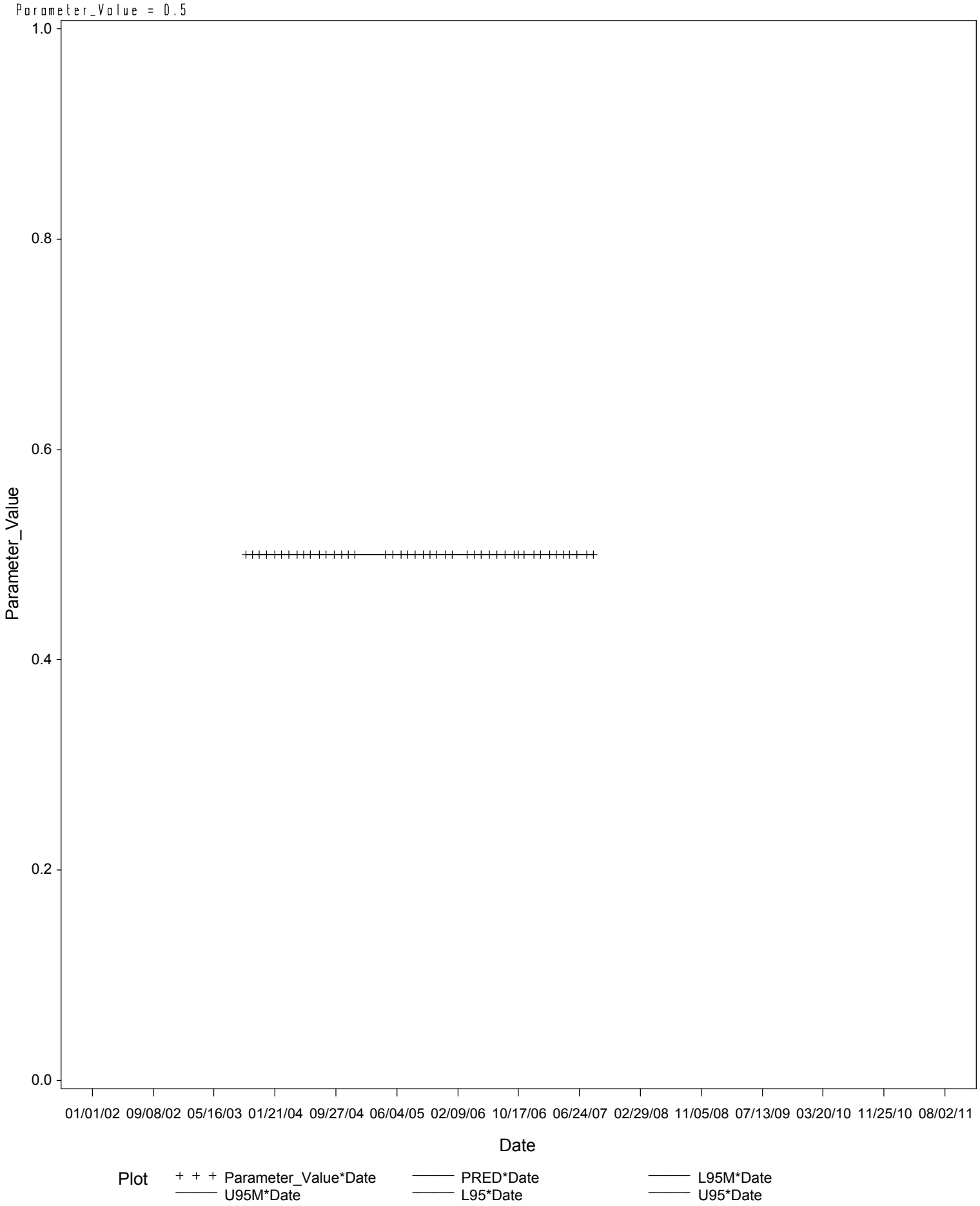
N

HDR ENVIRONMENTAL, OPERATIONS AND CONSTRUCTION, INC
184 CREEKSIDE PARK, SUITE 100
SPRING BRANCH, TX 78070-6230
210.253.6528

AUG 2013

Rio Grande Above International Dam

Parameter=ALACHLOR, WHOLE WATER (UG/L) Station=13272



Rio Grande Above International Dam

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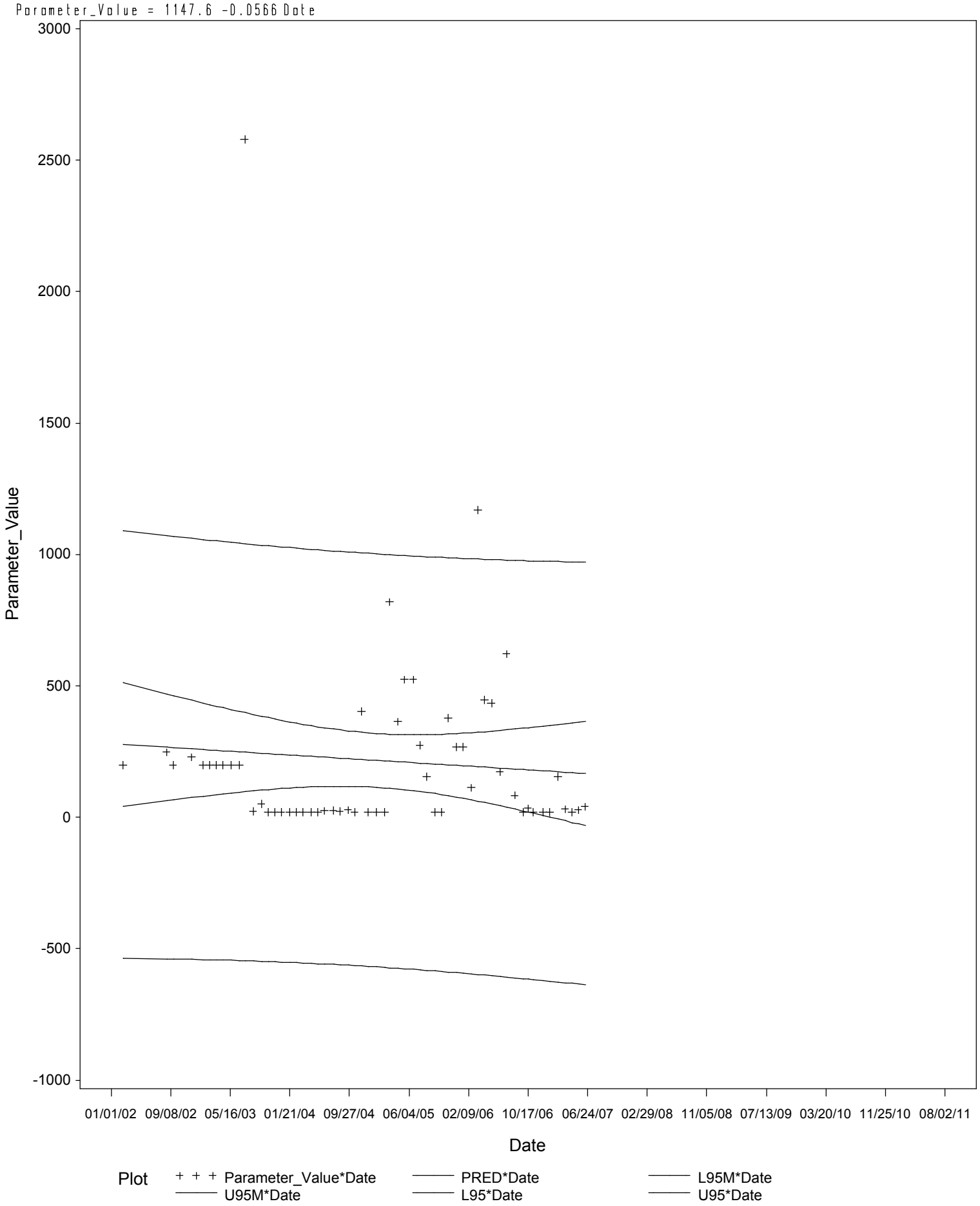
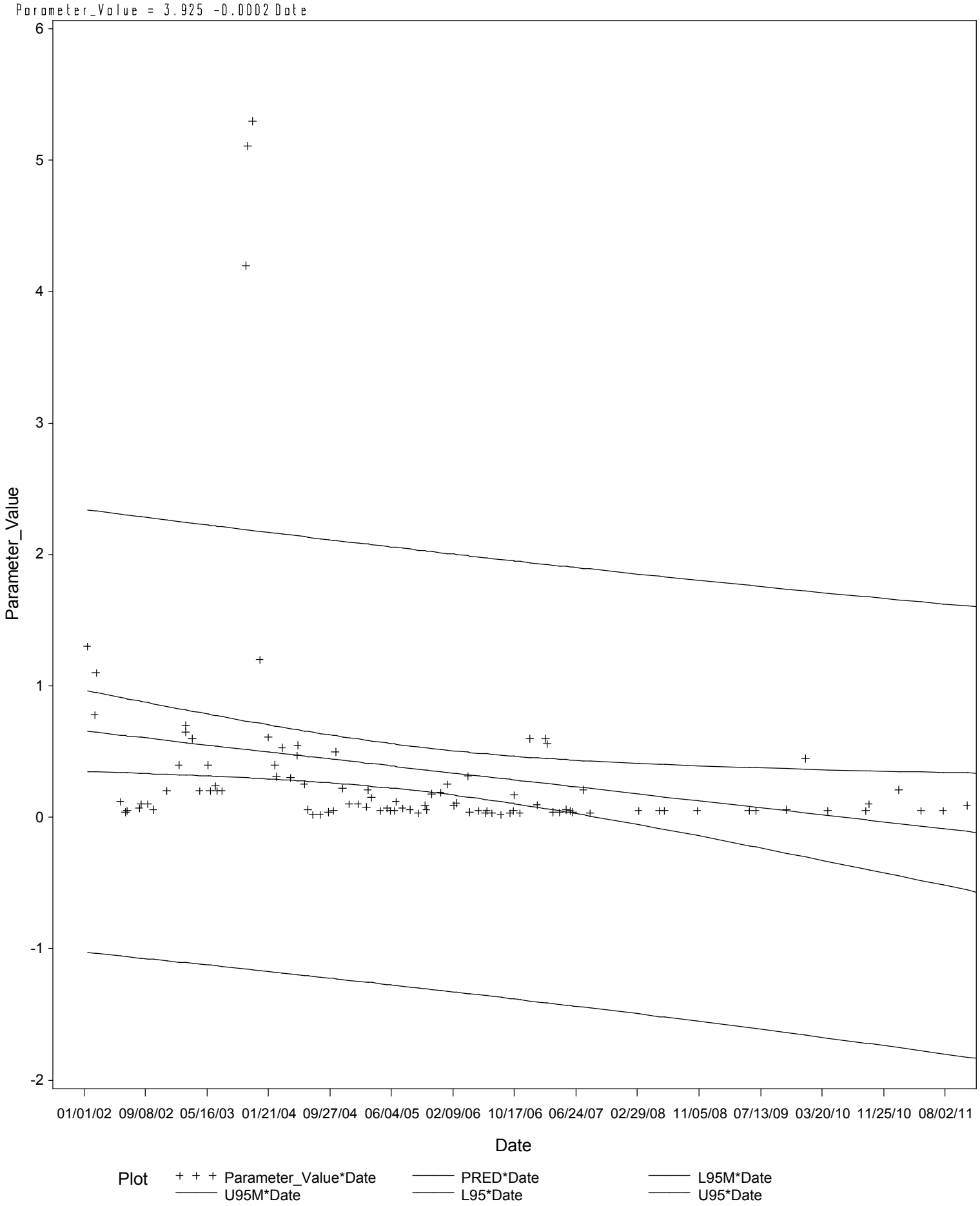


Rio Grande Above International Dam

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13272



Rio Grande Above International Dam

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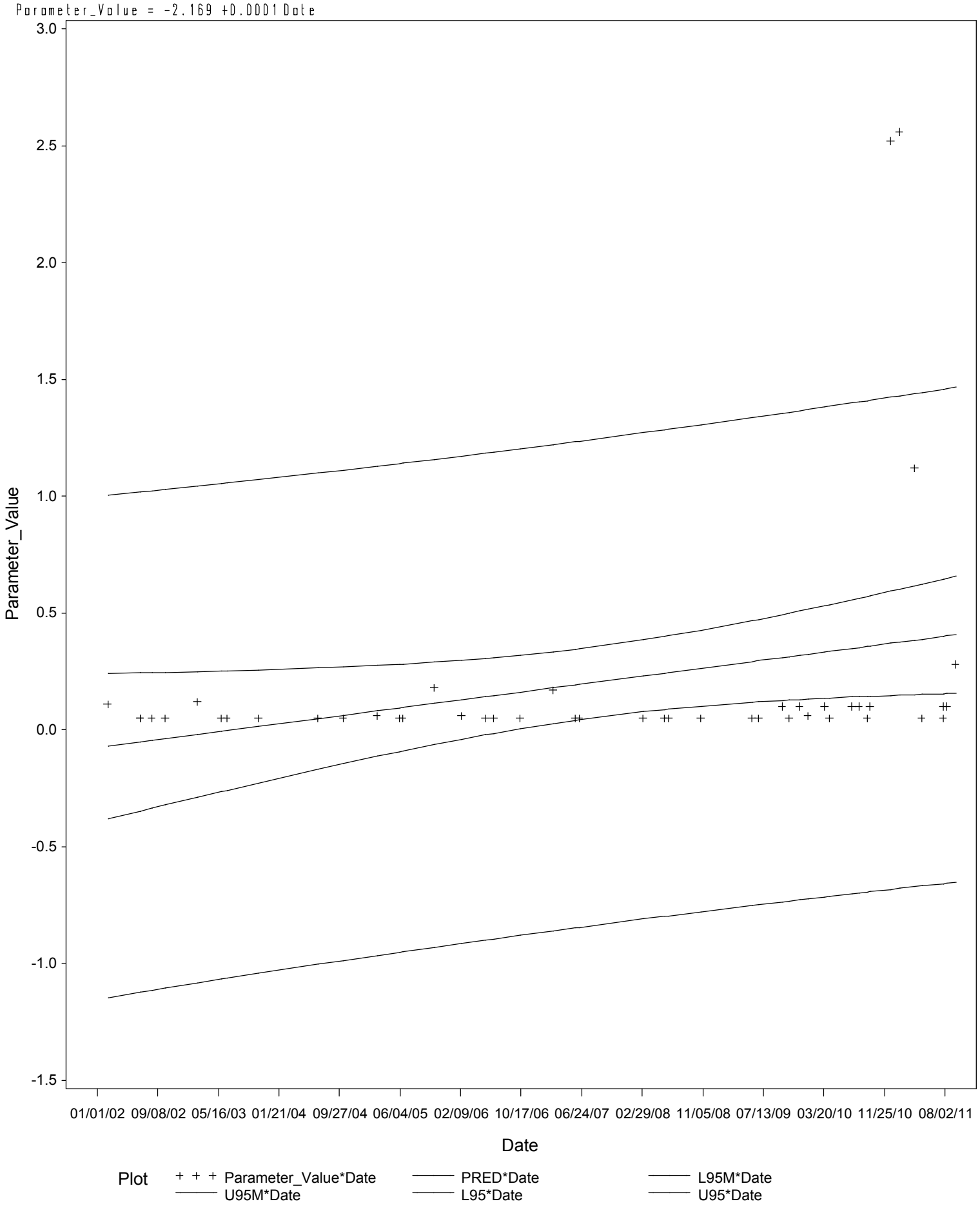

Rio Grande Above International Dam

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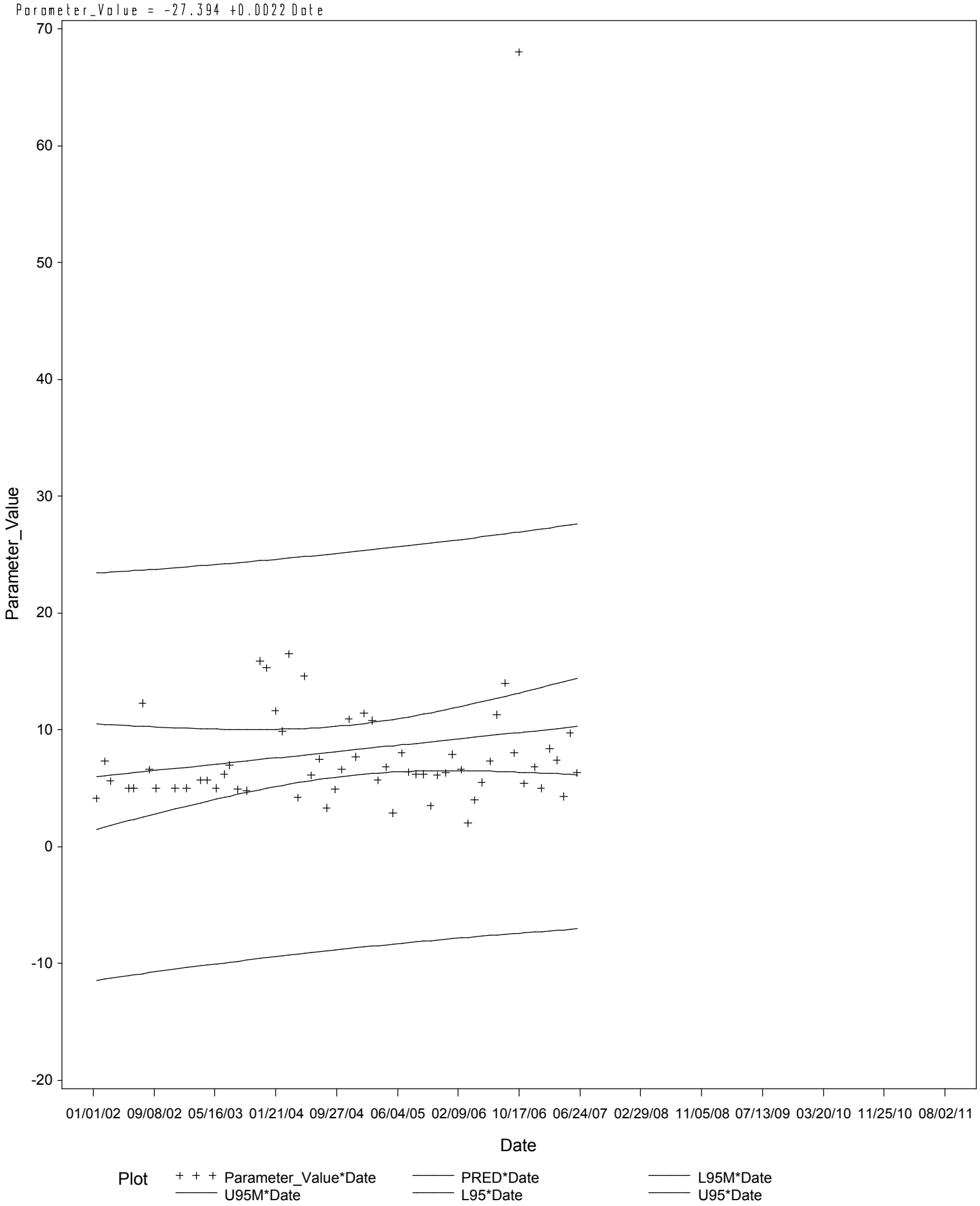

Rio Grande Above International Dam

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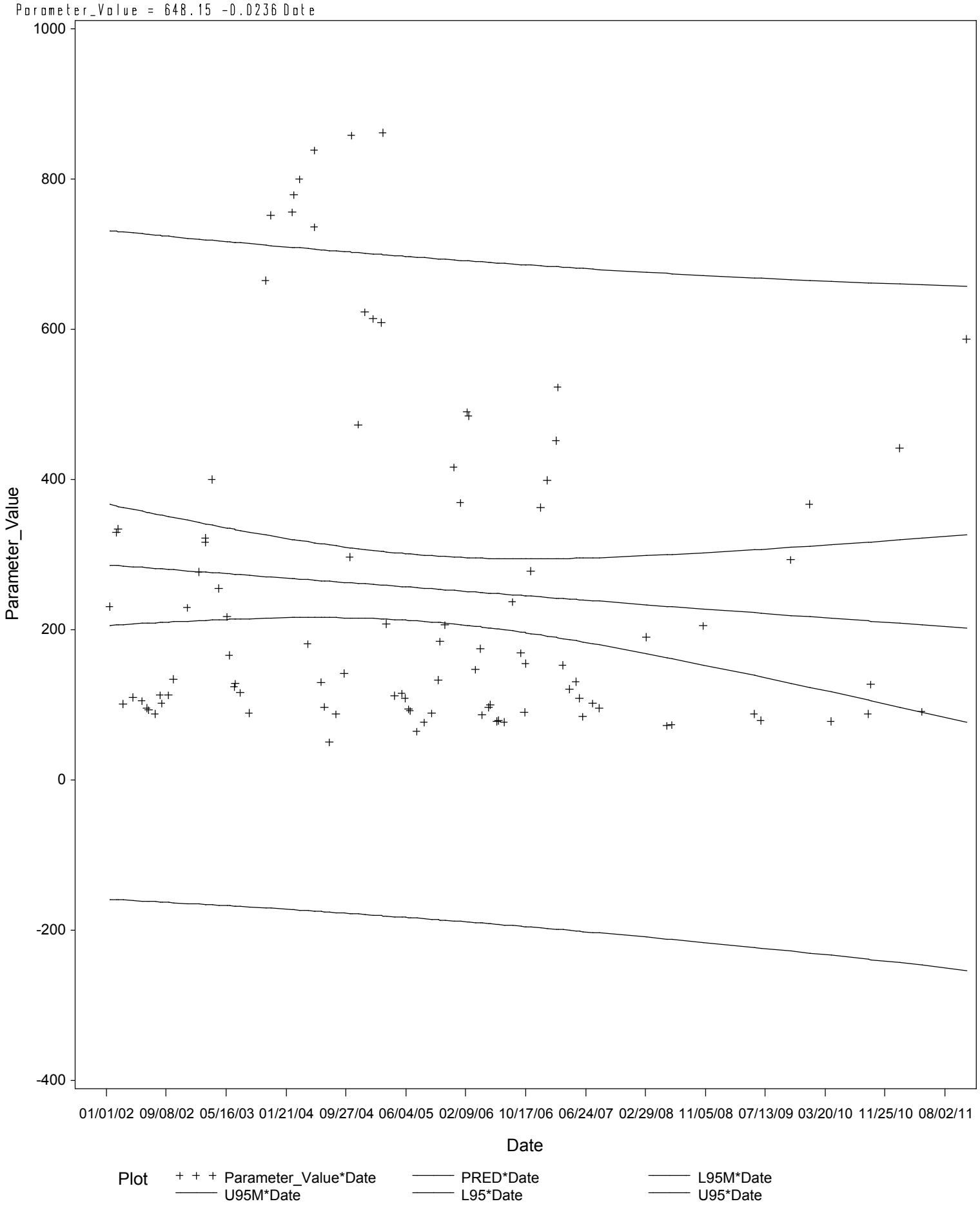

Rio Grande Above International Dam

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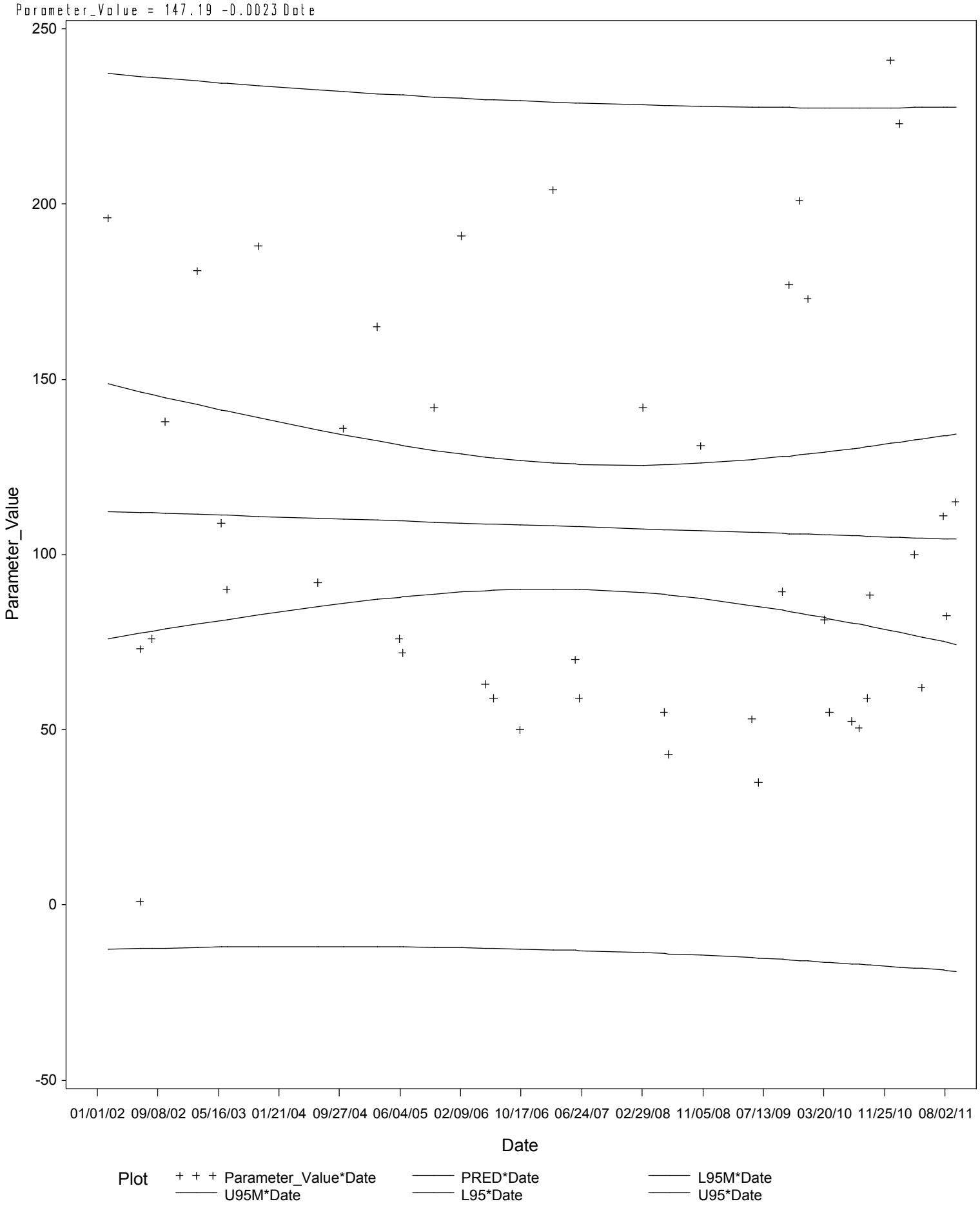
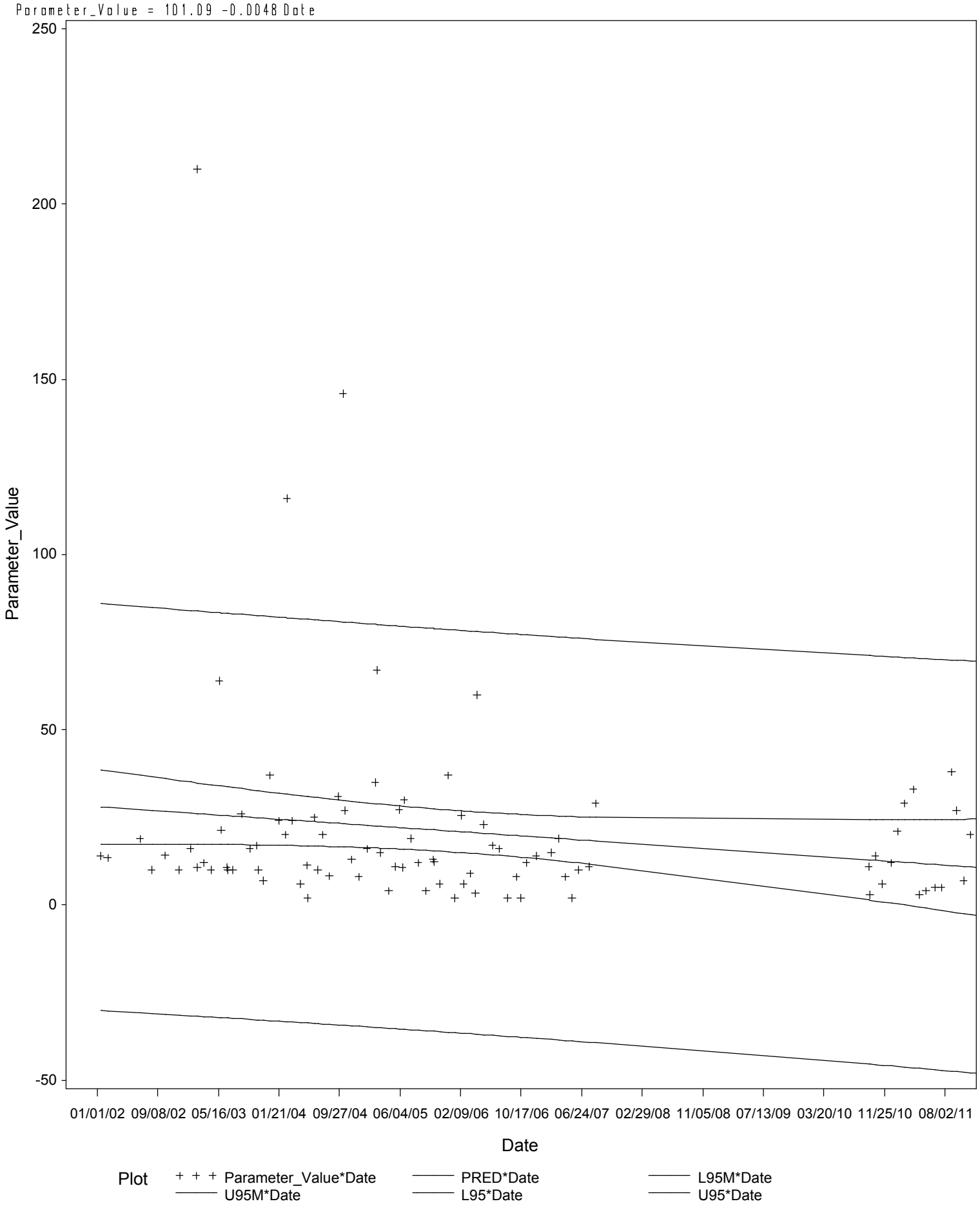


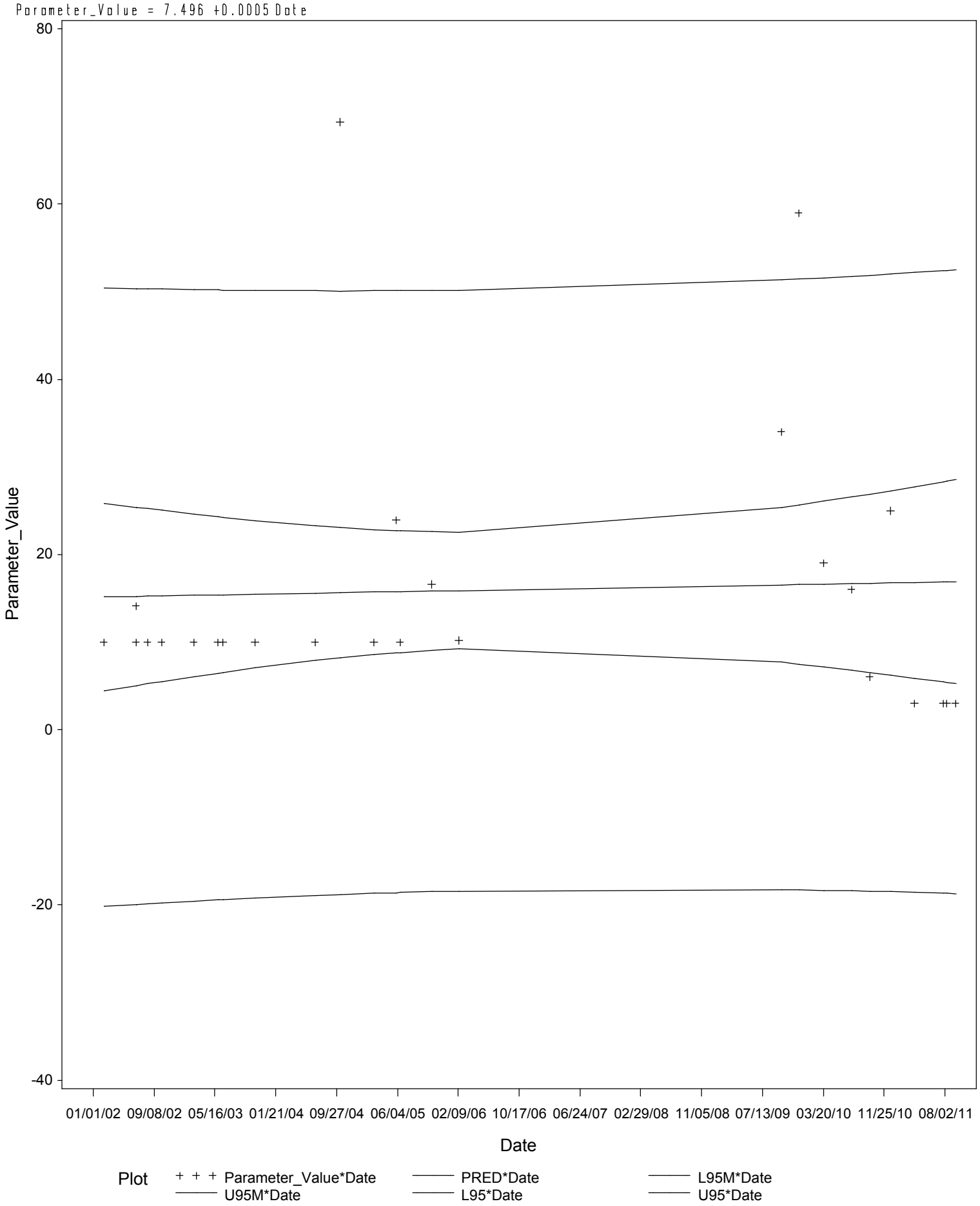
Rio Grande Above International Dam

Parameter=CHLOROPHYLL-A, UG/L Station=13272



Rio Grande Above International Dam

Parameter=CHLOROPHYLL-A, UG/L Station=13276



Rio Grande Above International Dam

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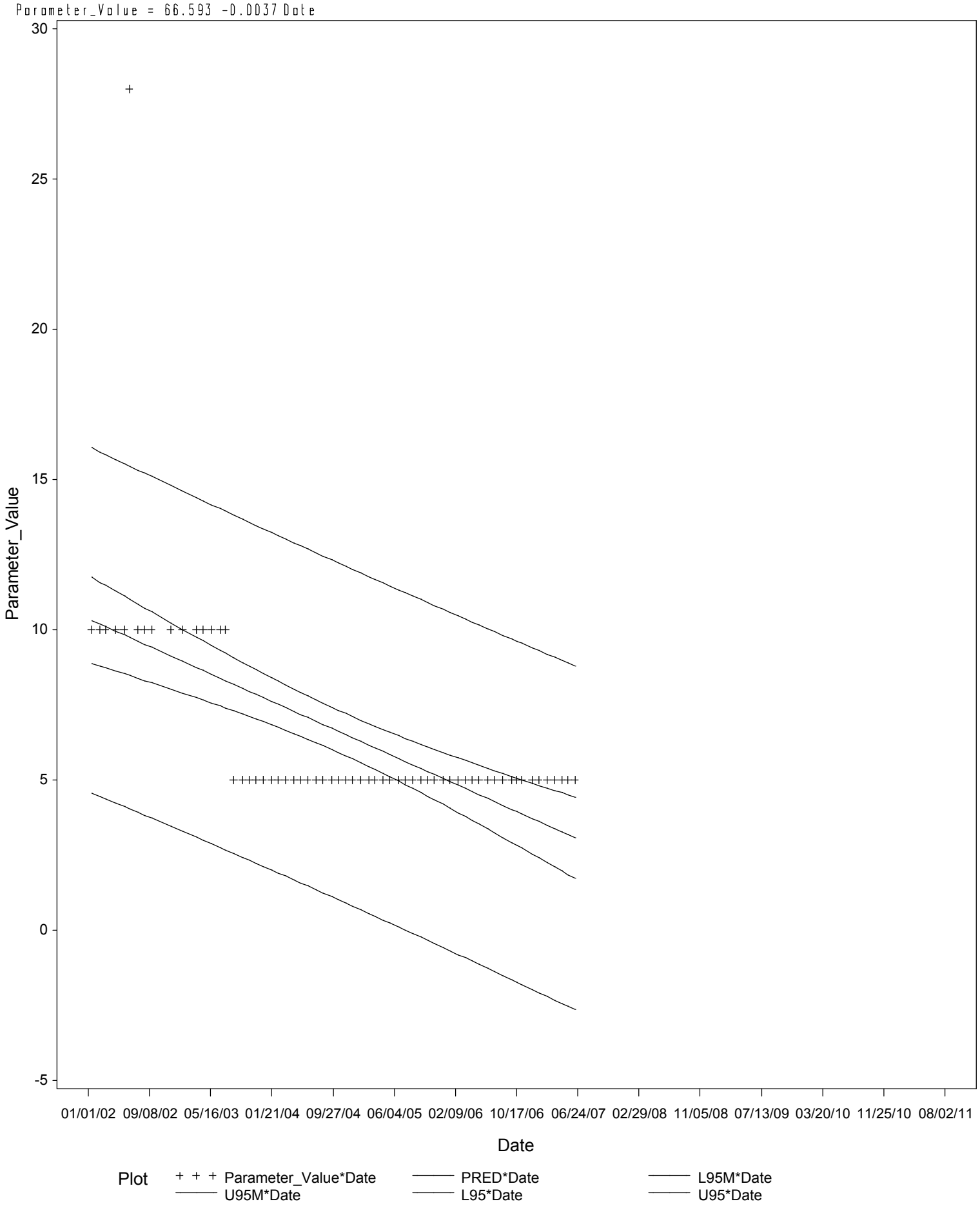

Rio Grande Above International Dam

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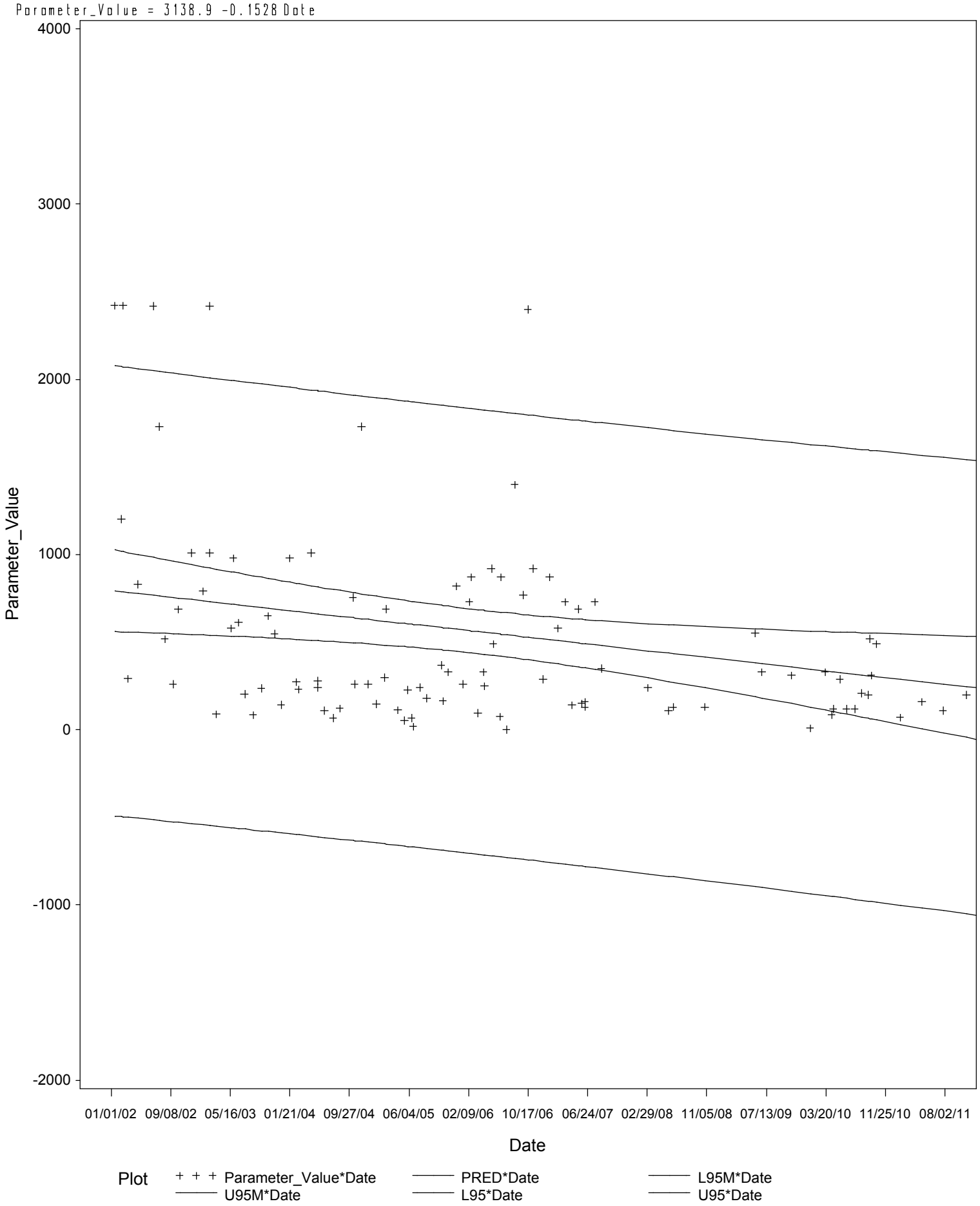

Rio Grande Above International Dam

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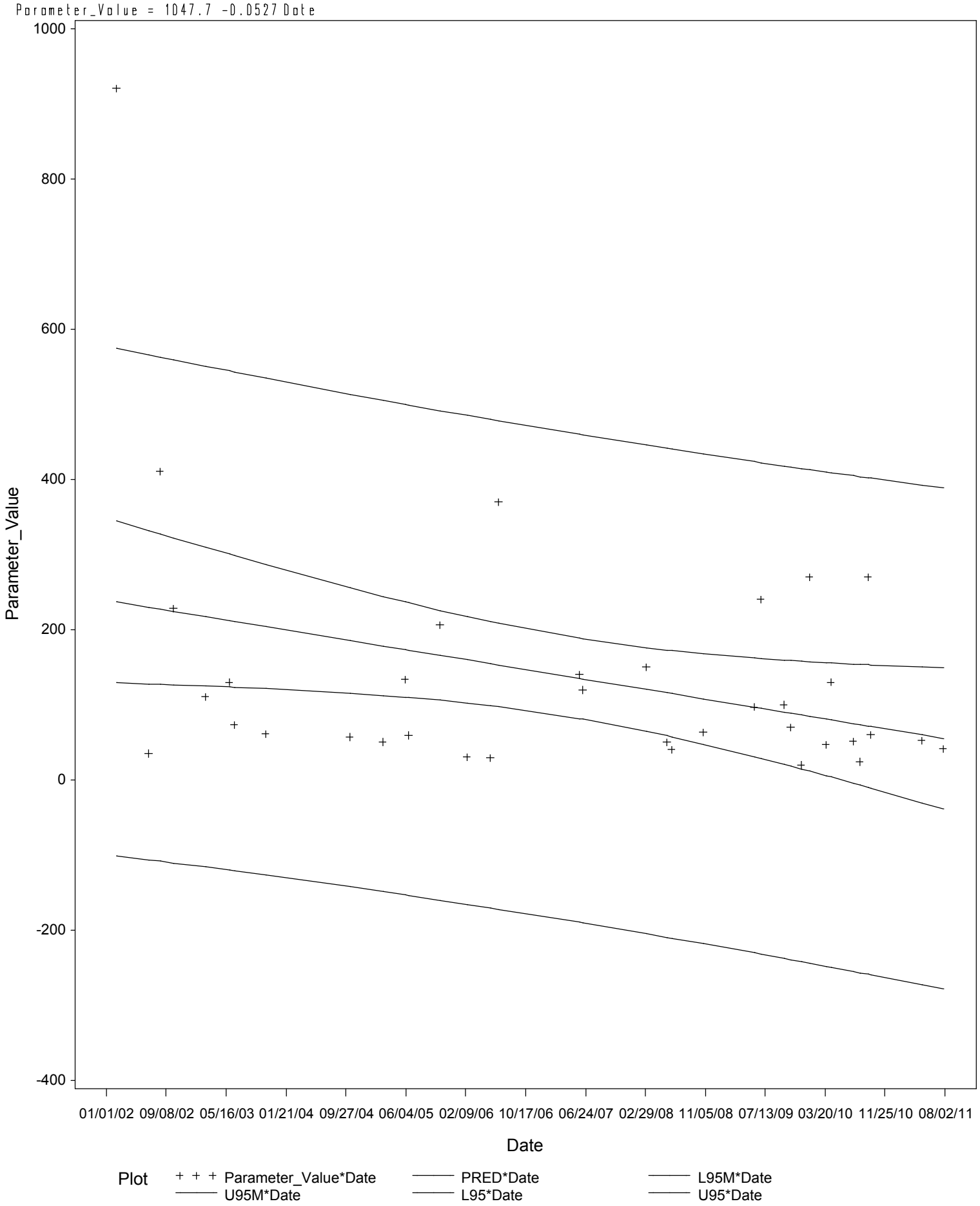
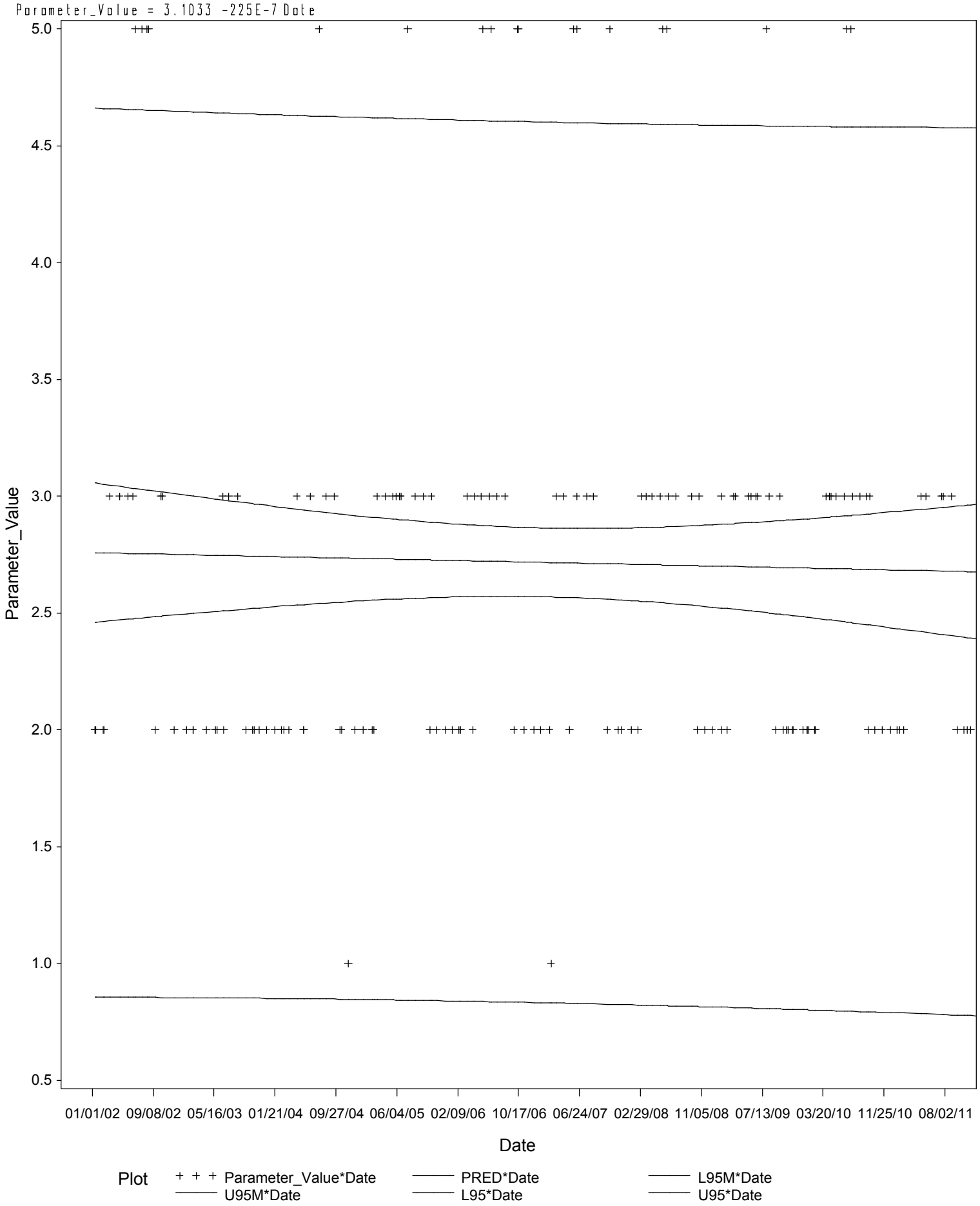


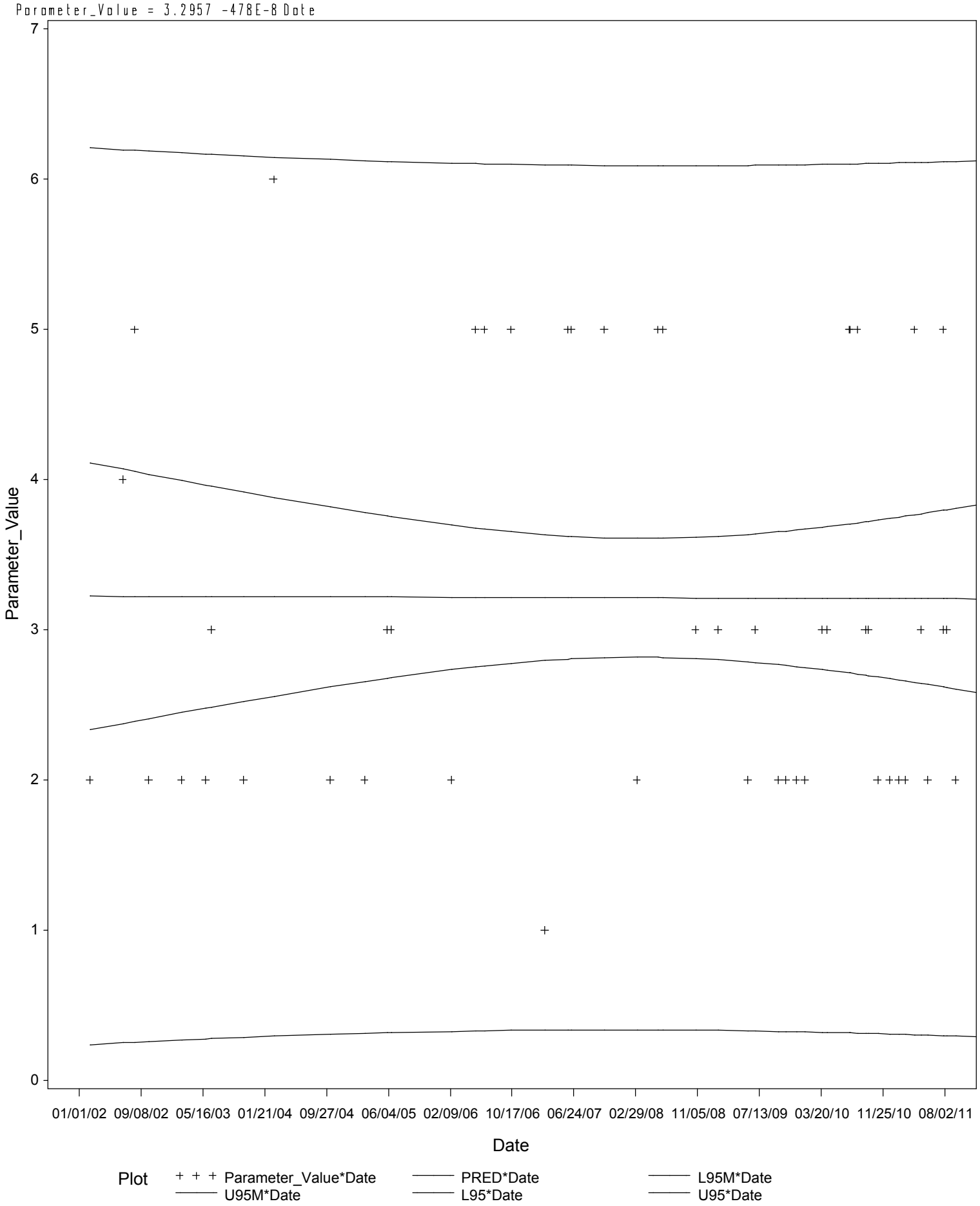
Rio Grande Above International Dam

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13272



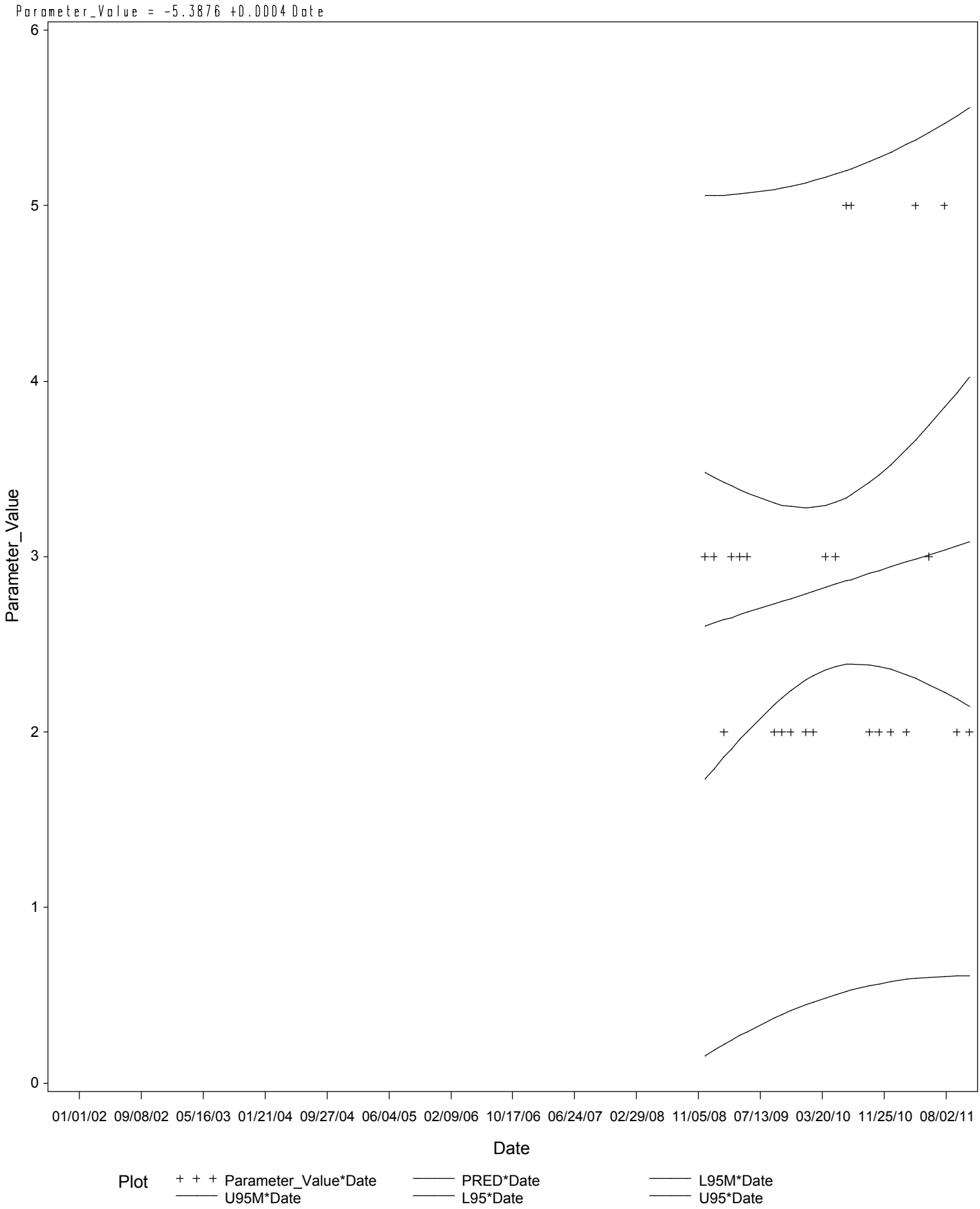
Rio Grande Above International Dam

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13276



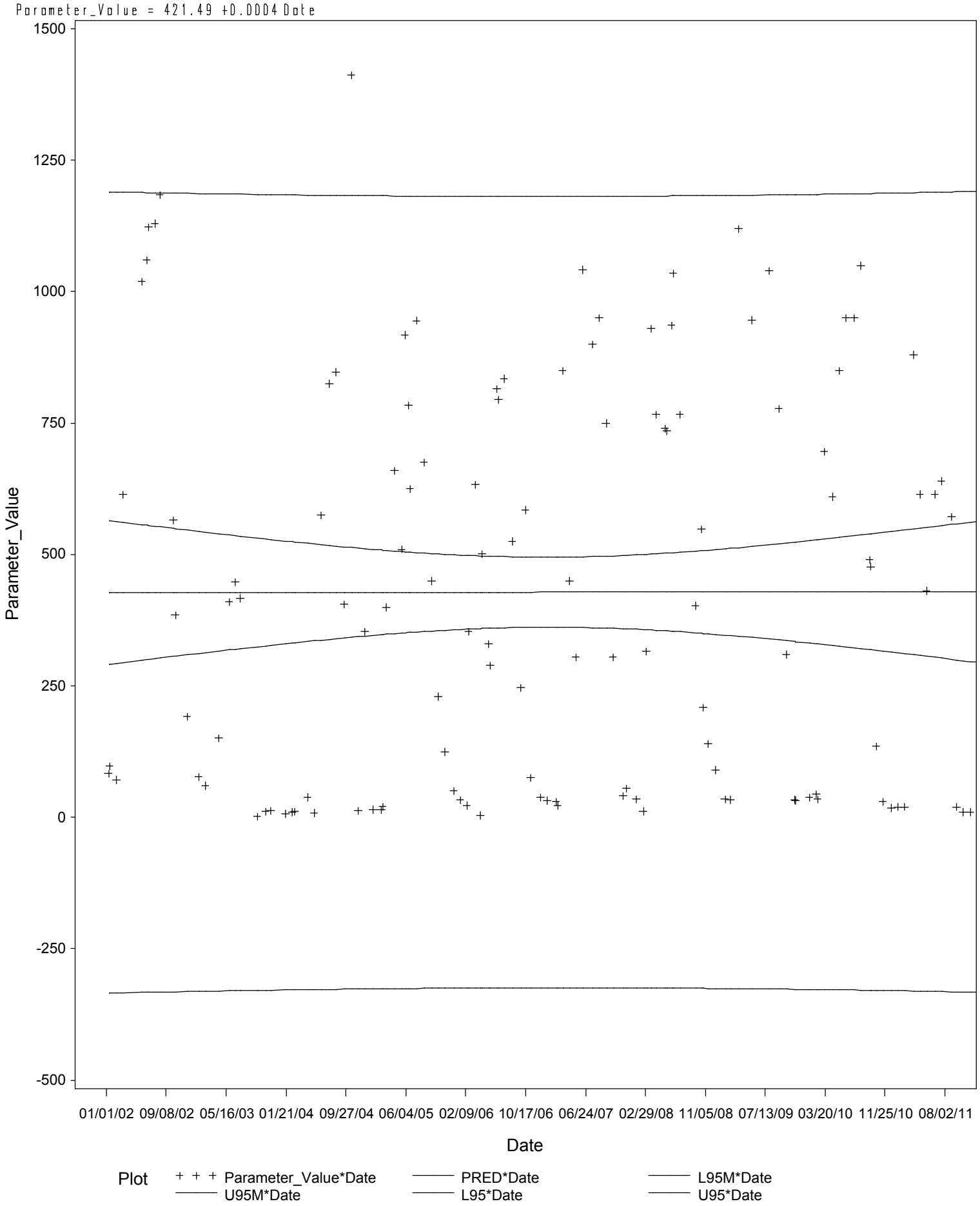
Rio Grande Above International Dam

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=17040



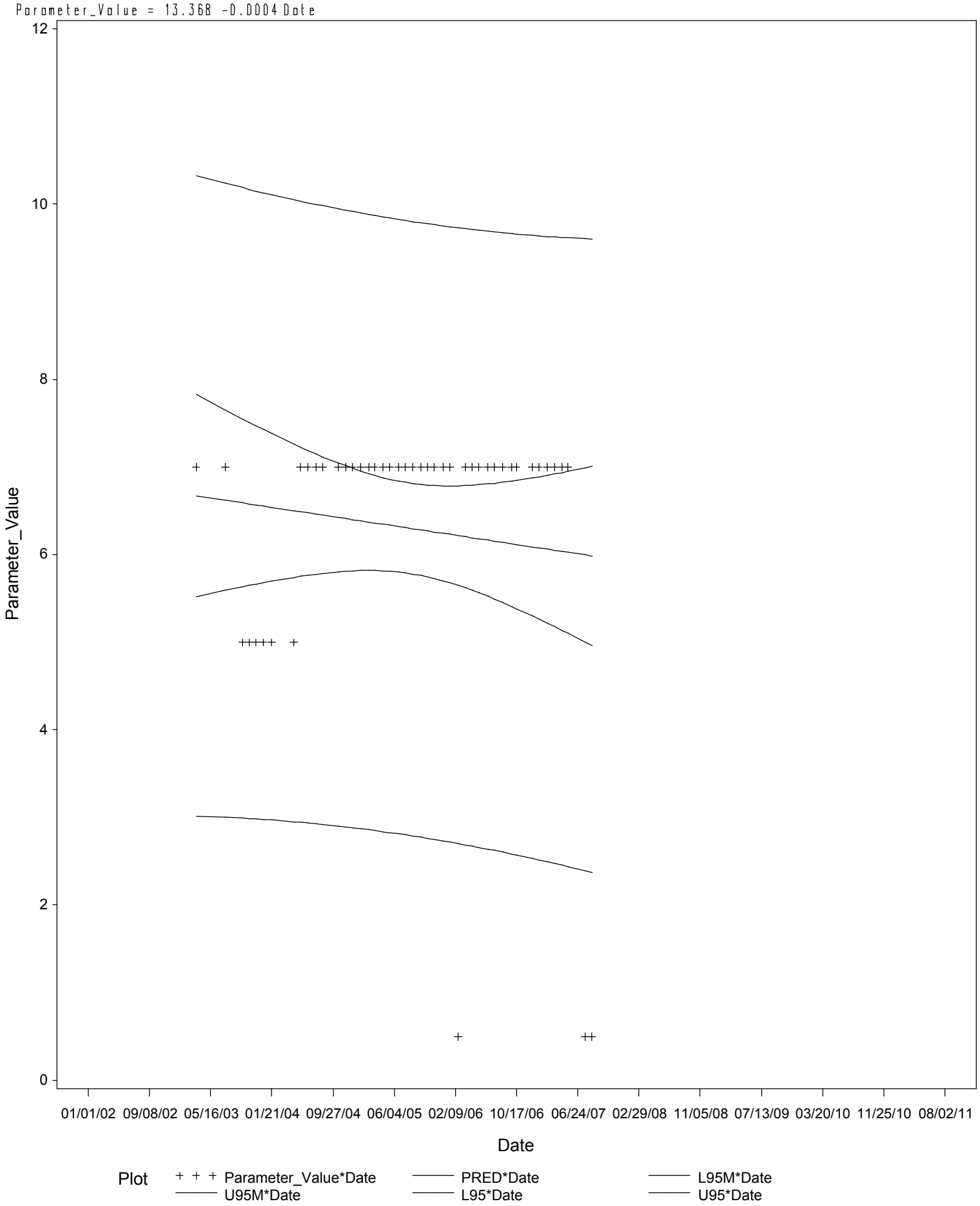
Rio Grande Above International Dam

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13272



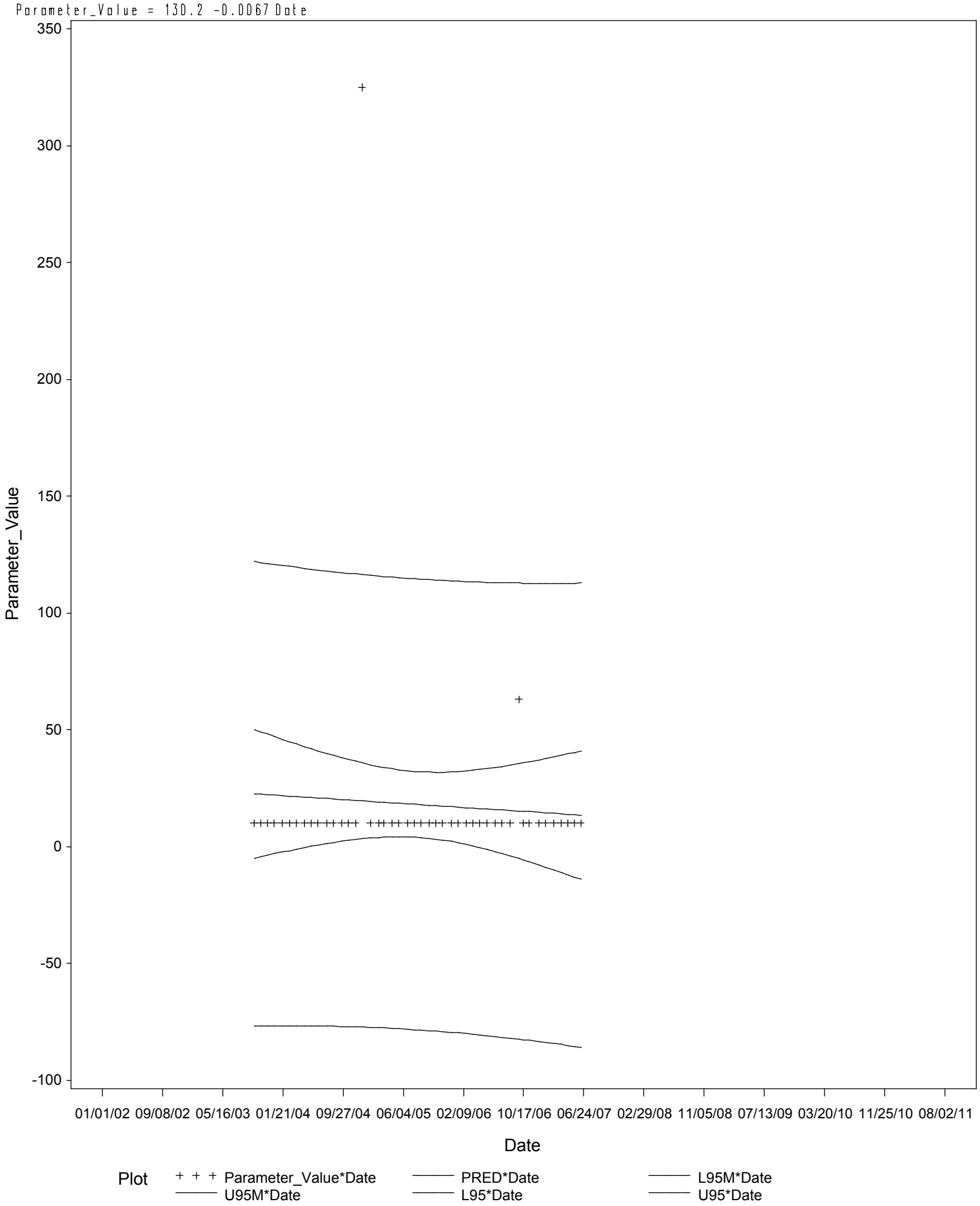
Rio Grande Above International Dam

Parameter=METHYL-TERT-BUTYL ETHER (MTBE) WATER, TOTAL (UG/ Station=13272



Rio Grande Above International Dam

Parameter=NICKEL, DISSOLVED (UG/L AS NI) Station=13272



Rio Grande Above International Dam

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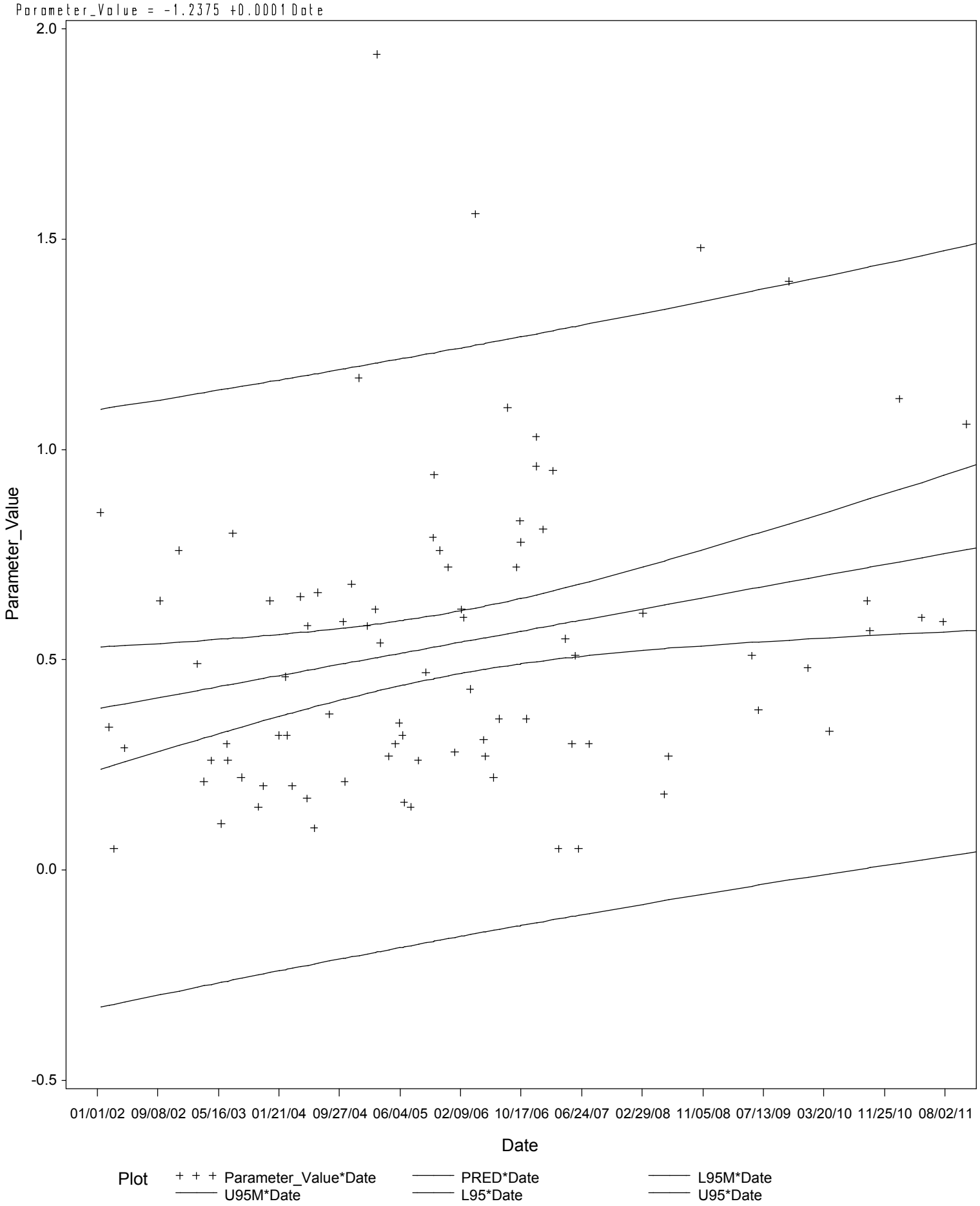

Rio Grande Above International Dam

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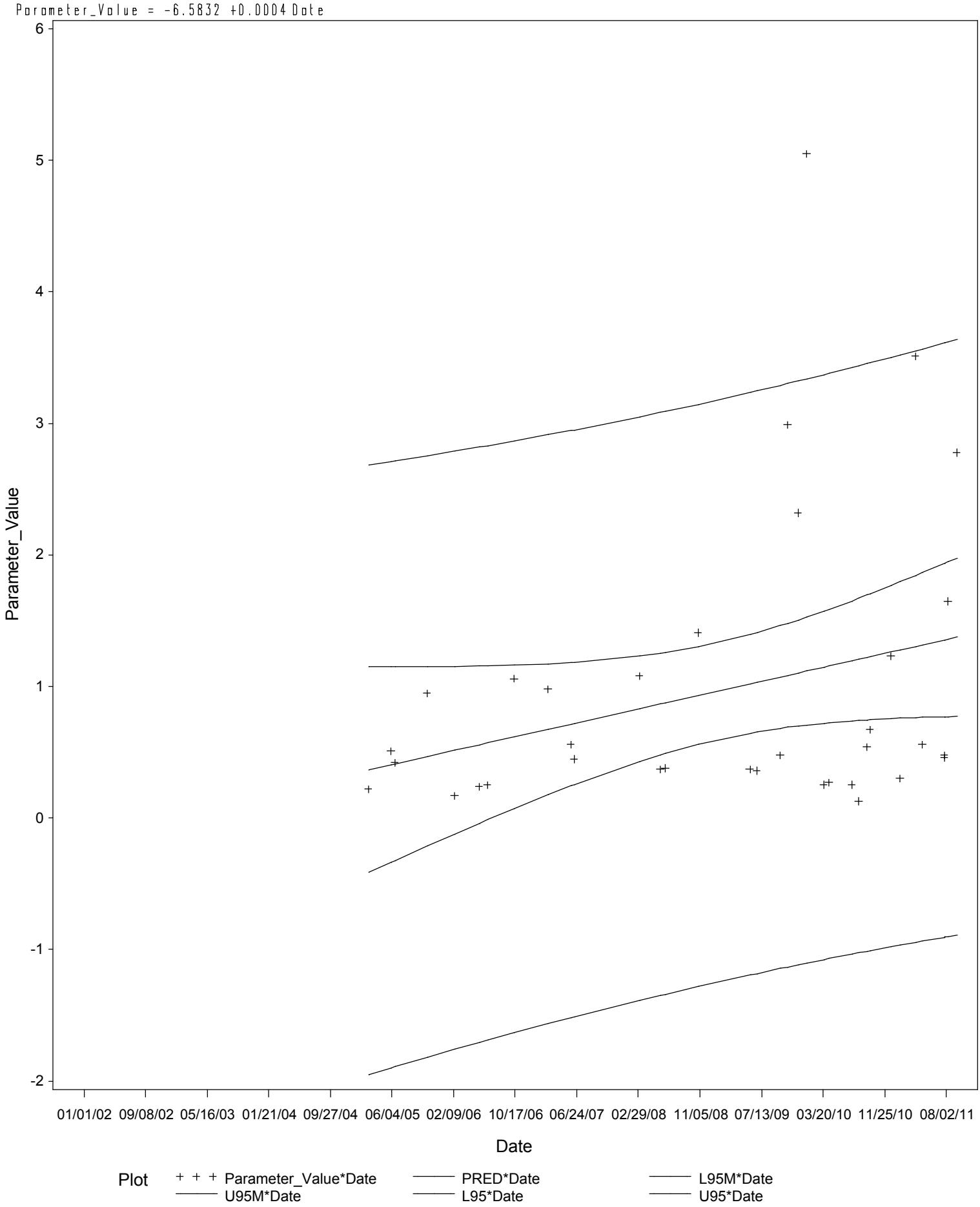

Rio Grande Above International Dam

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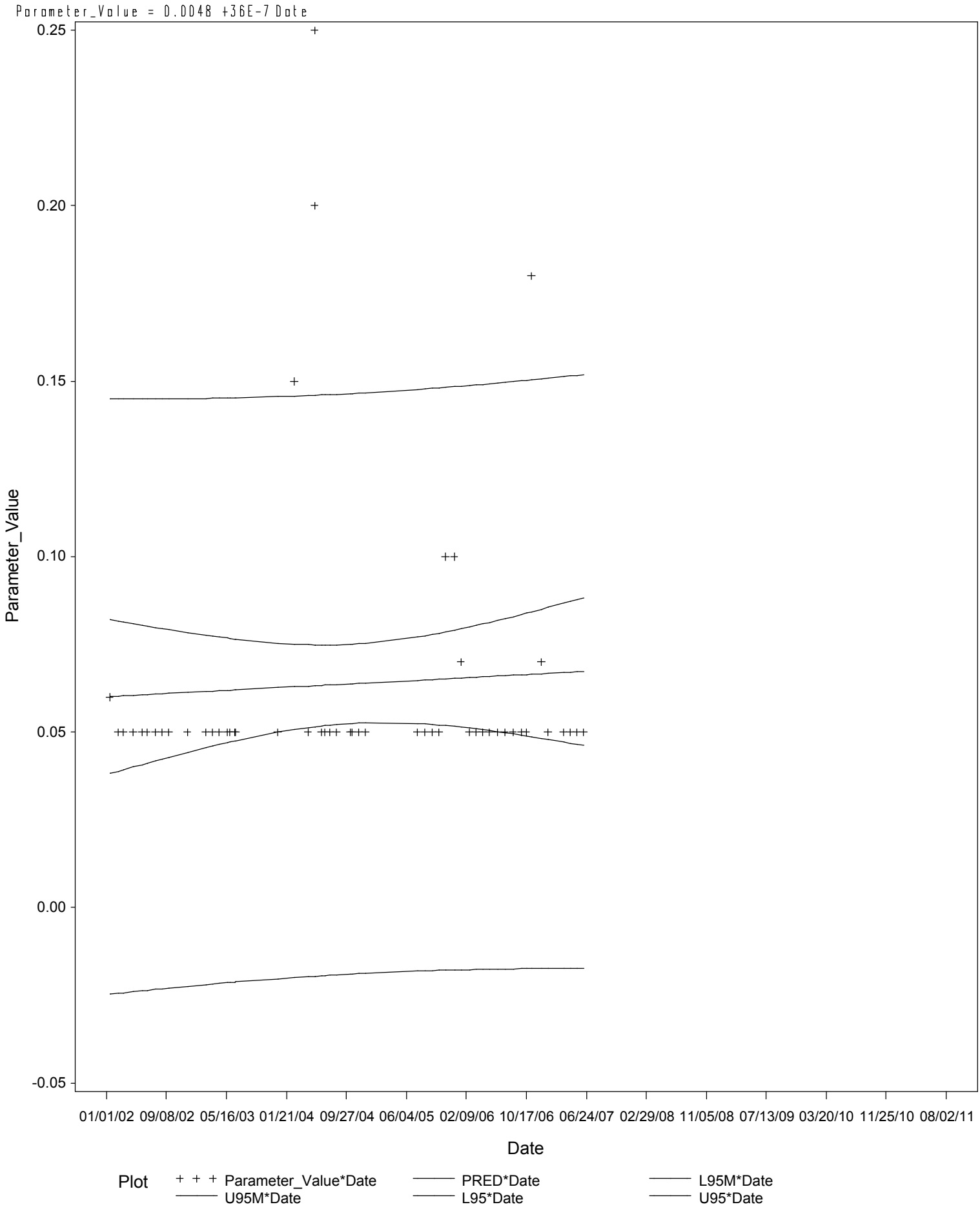
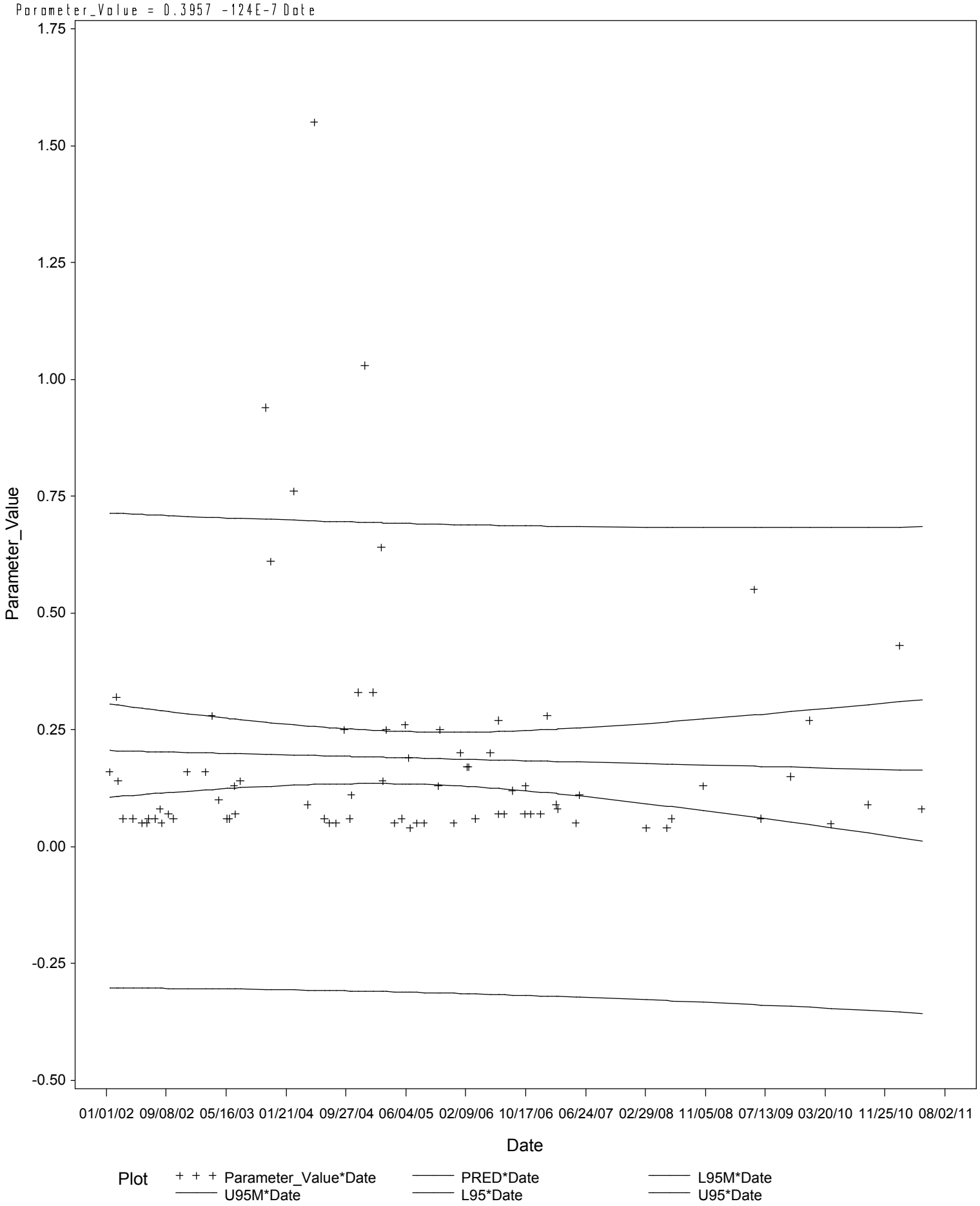


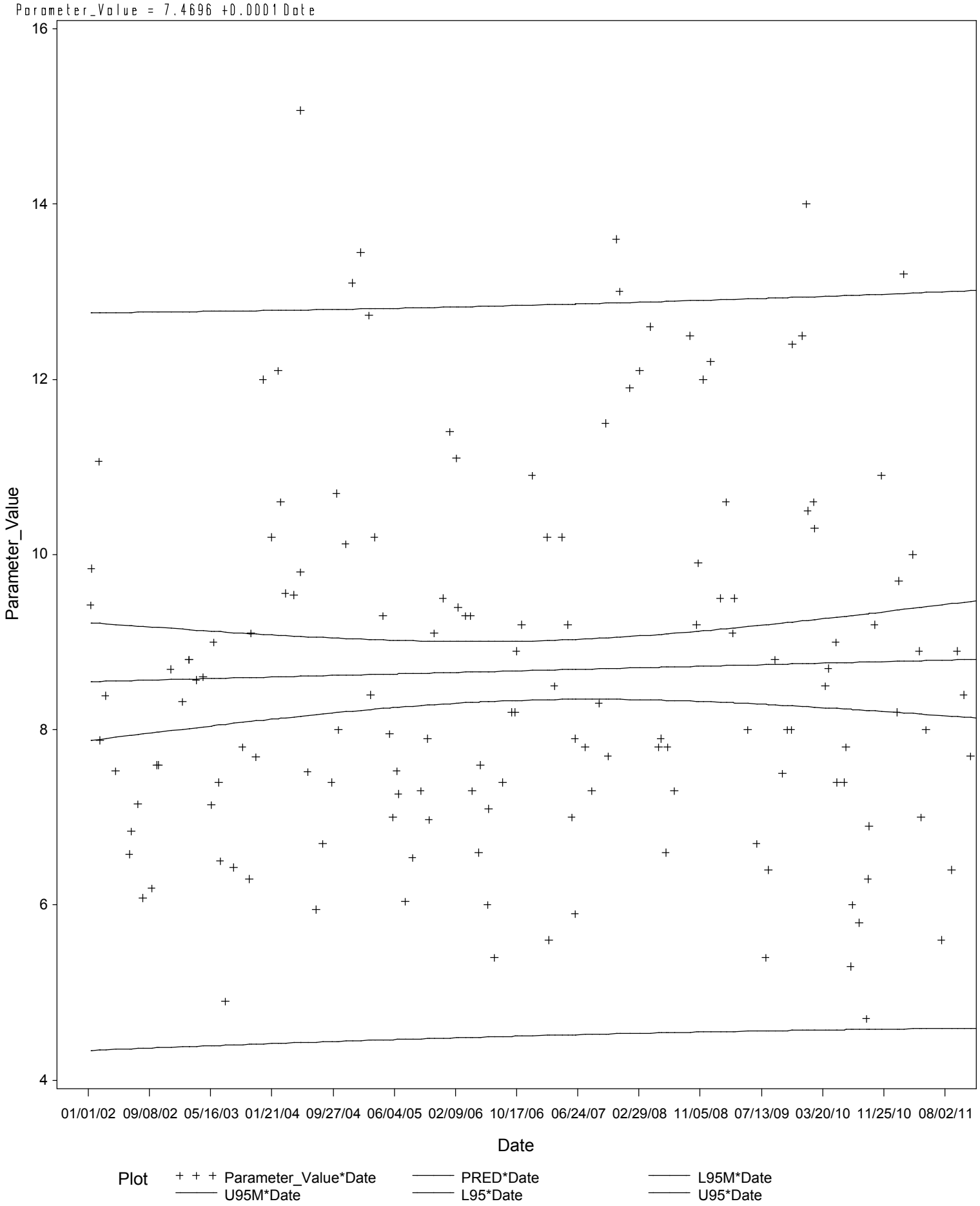
Rio Grande Above International Dam

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13272



Rio Grande Above International Dam

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13272



Rio Grande Above International Dam

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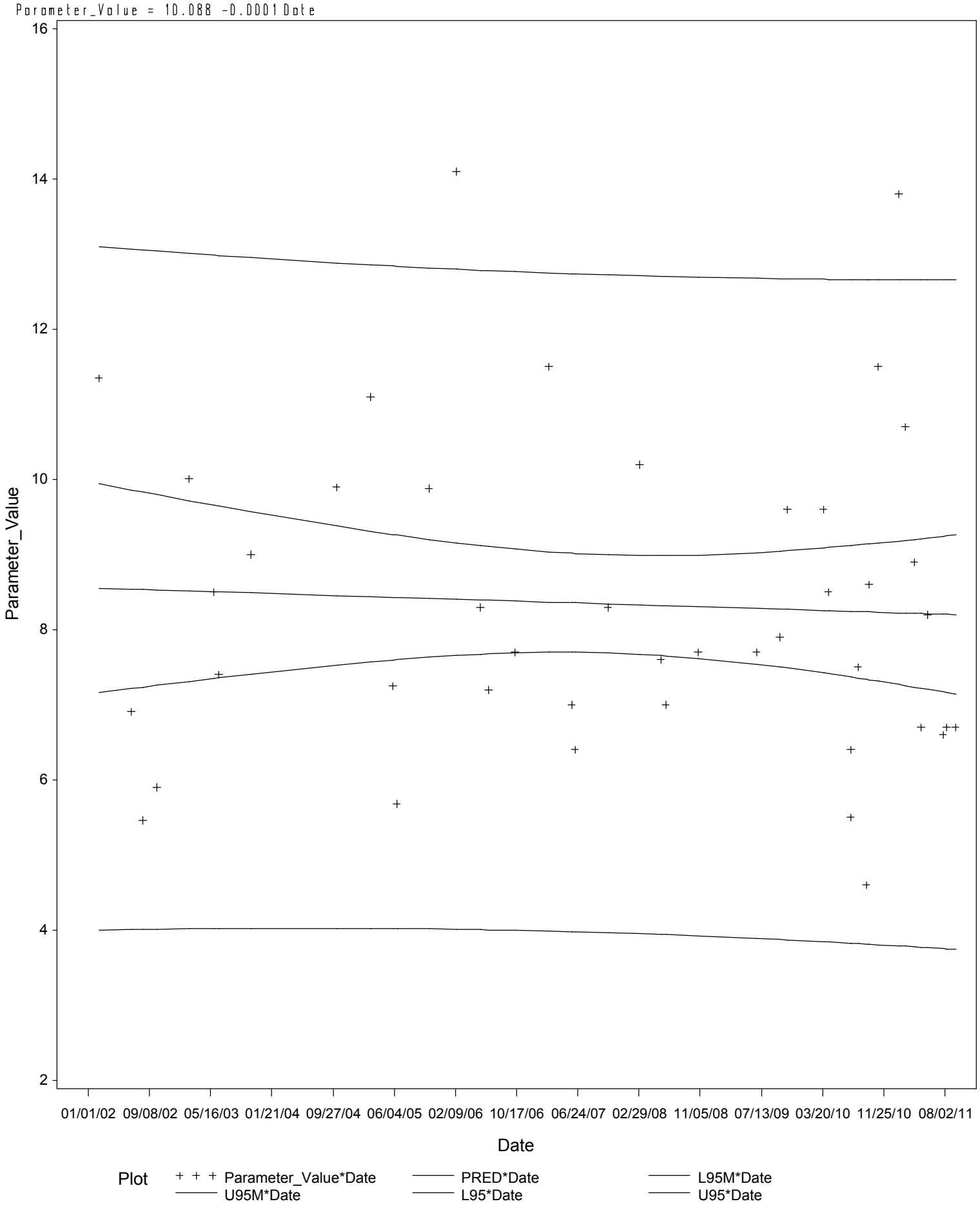
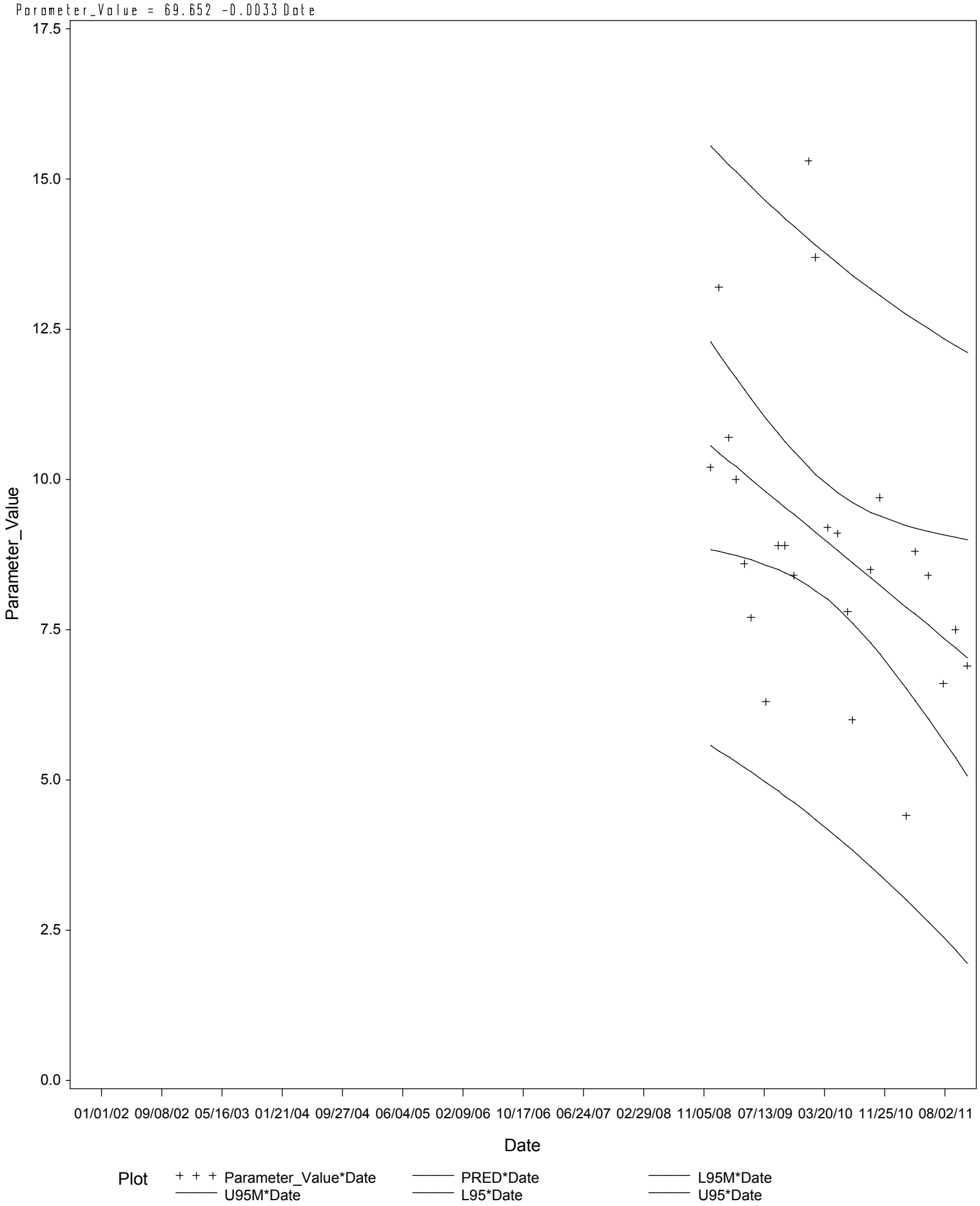


Rio Grande Above International Dam

Parameter=OXYGEN, DISSOLVED (MG/L) Station=17040



Rio Grande Above International Dam

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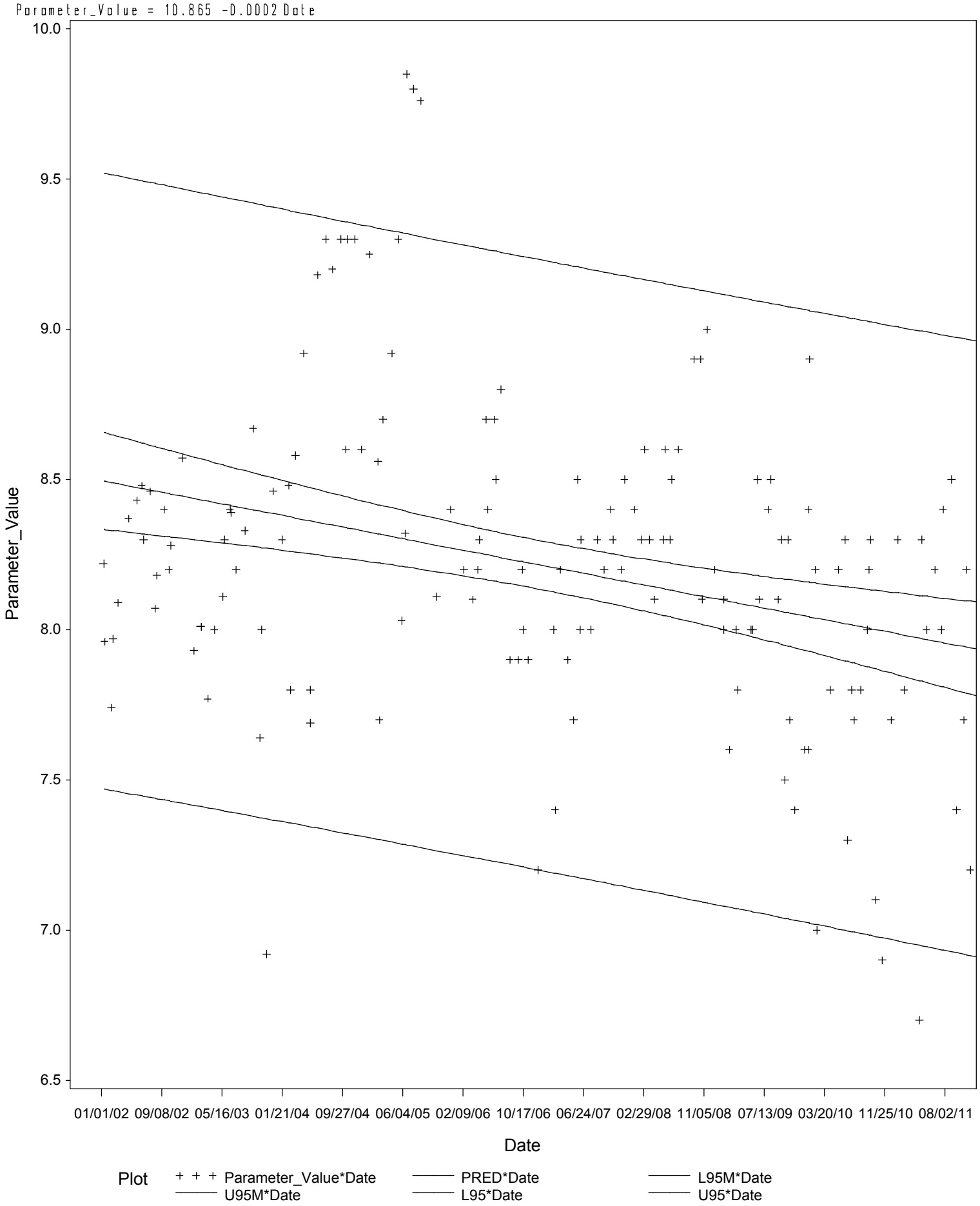

Rio Grande Above International Dam

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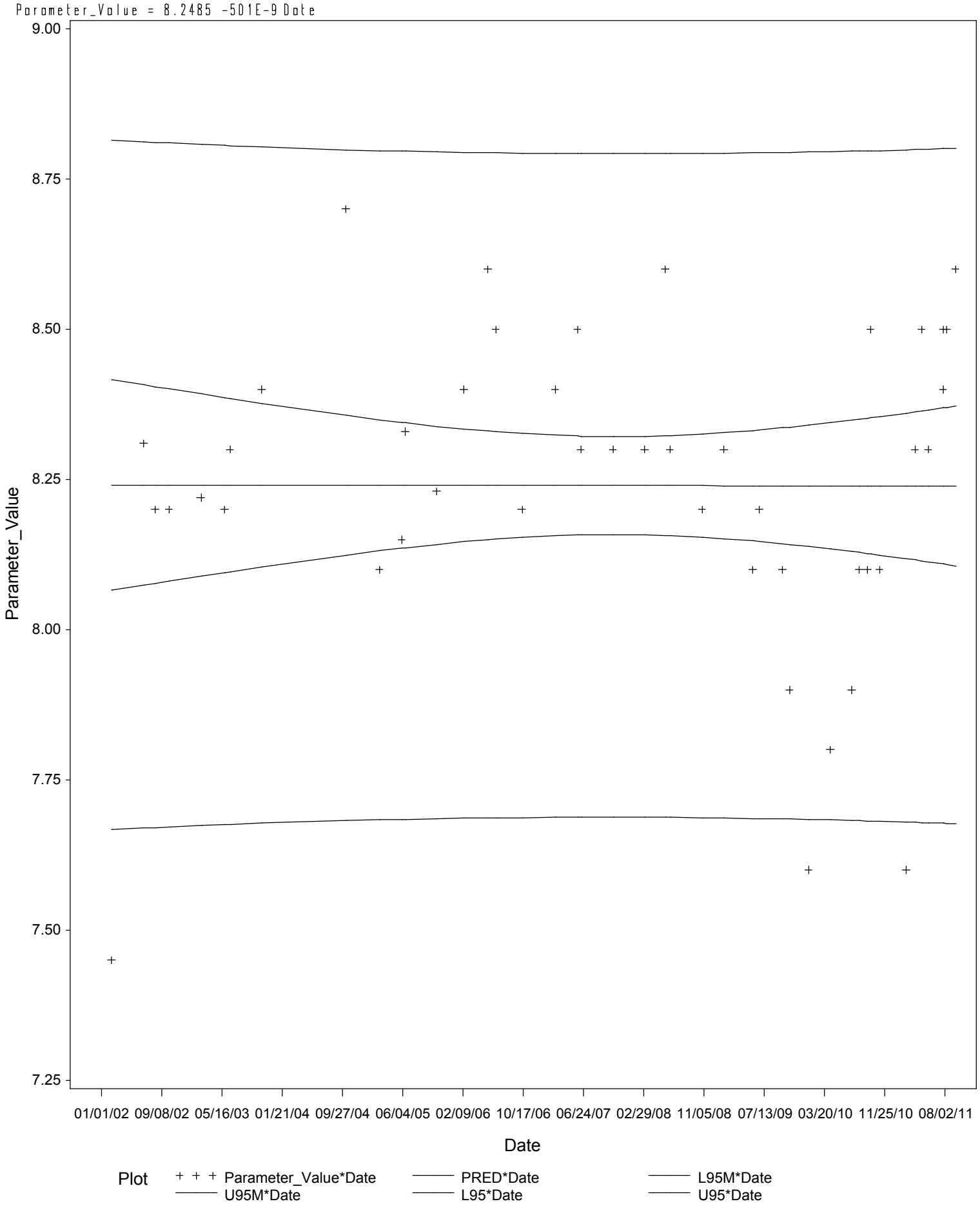

Rio Grande Above International Dam

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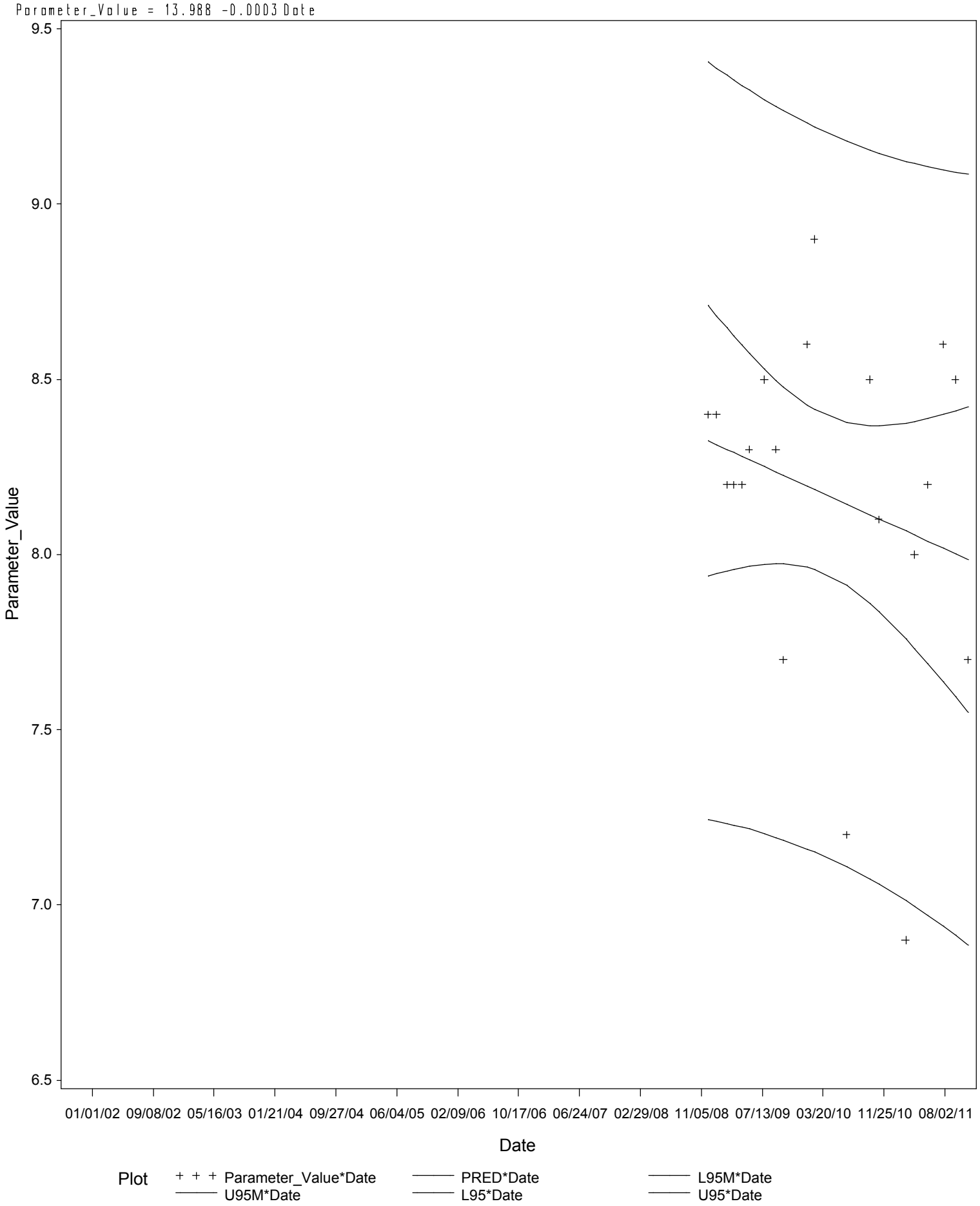

Rio Grande Above International Dam

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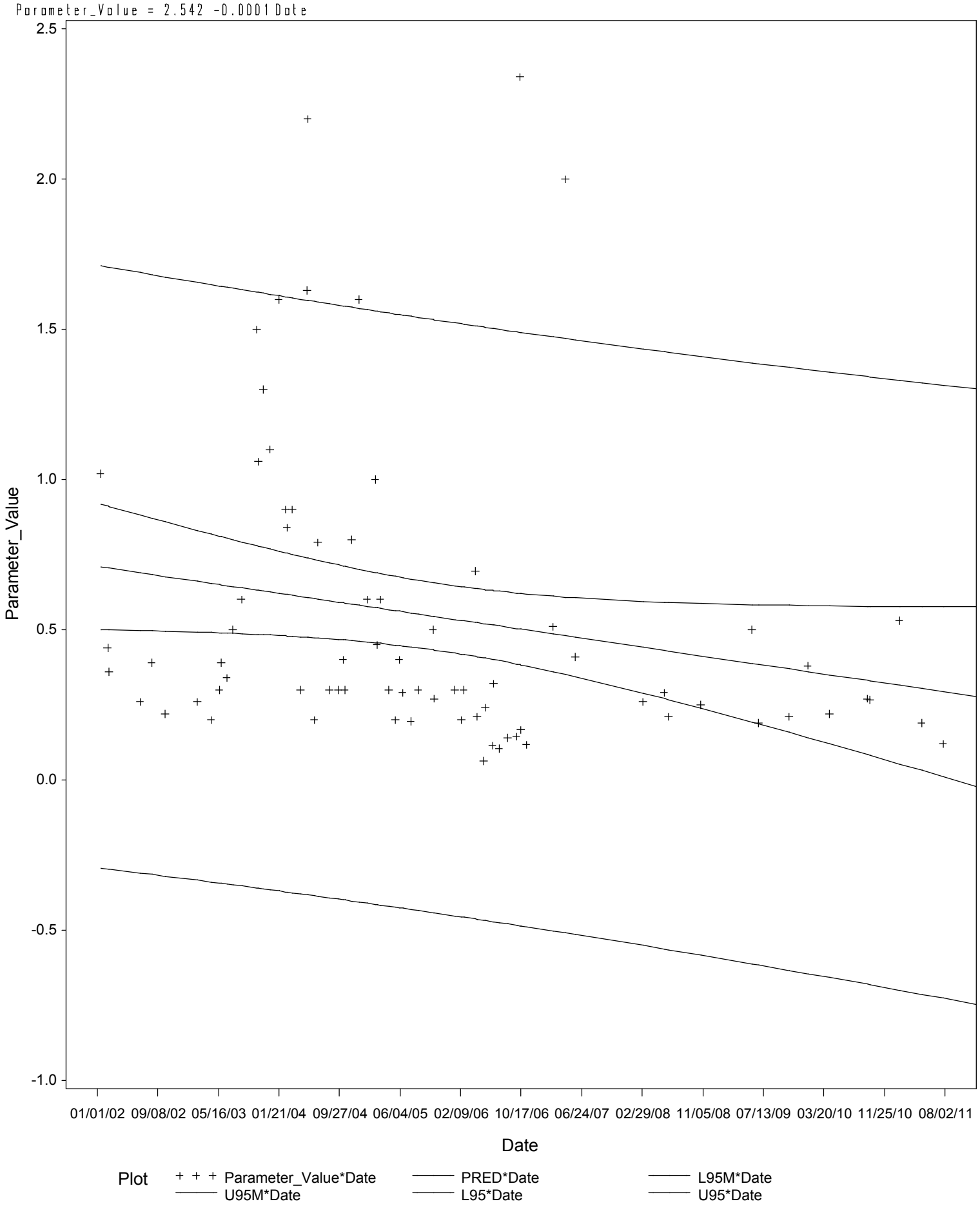

Rio Grande Above International Dam

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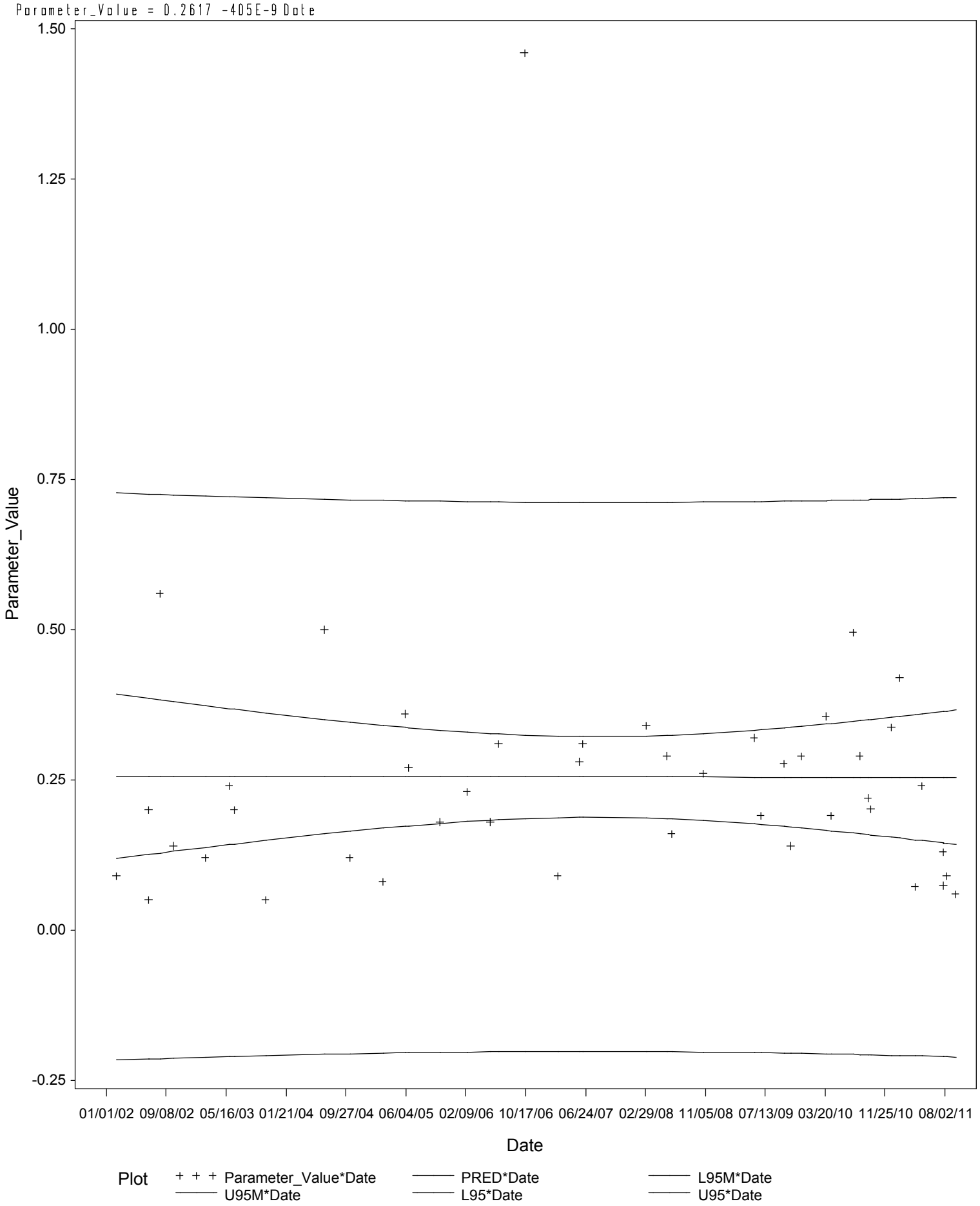
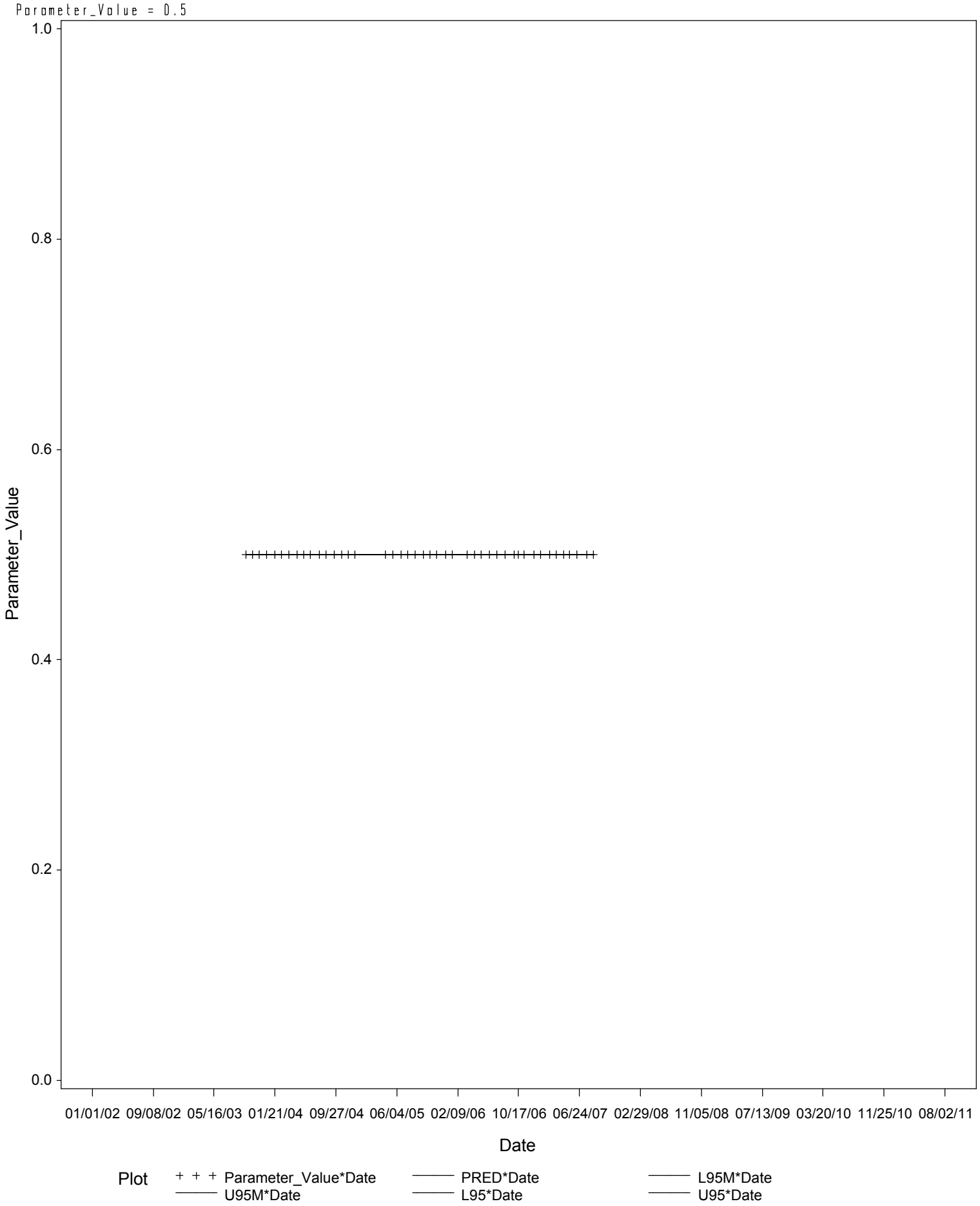


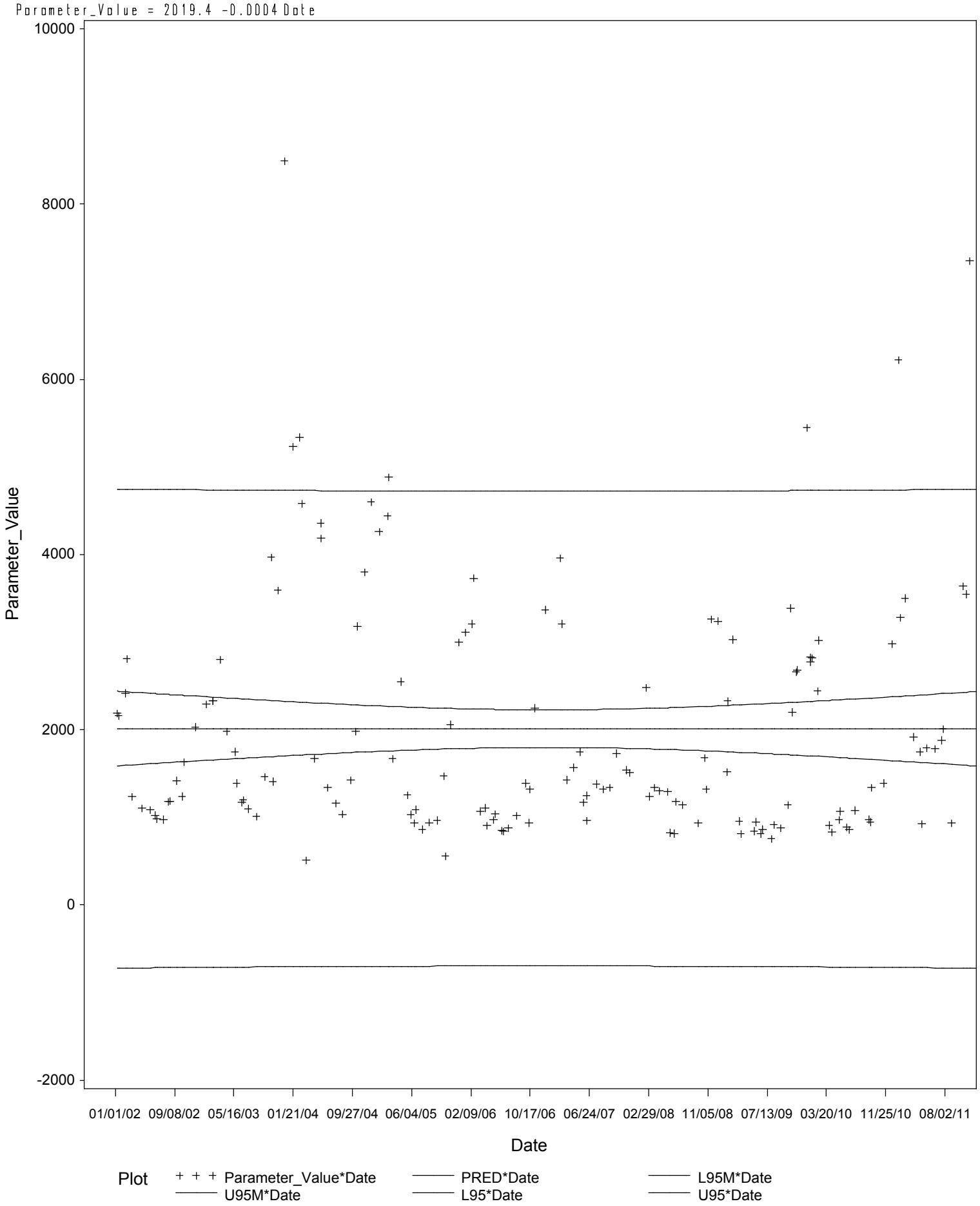
Rio Grande Above International Dam

Parameter=SIMAZINE IN WHOLE WATER UG/L Station=13272



Rio Grande Above International Dam

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13272



Rio Grande Above International Dam

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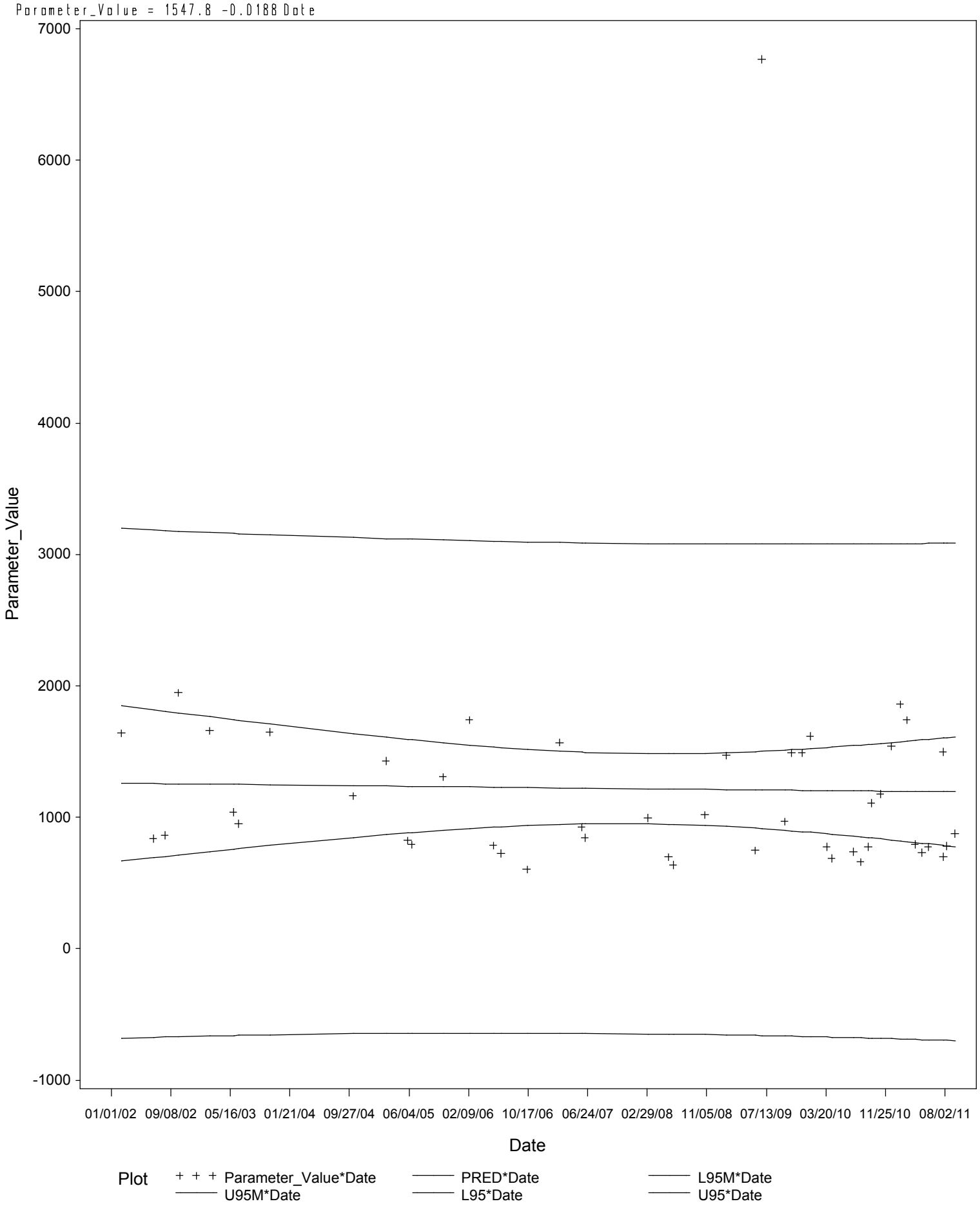
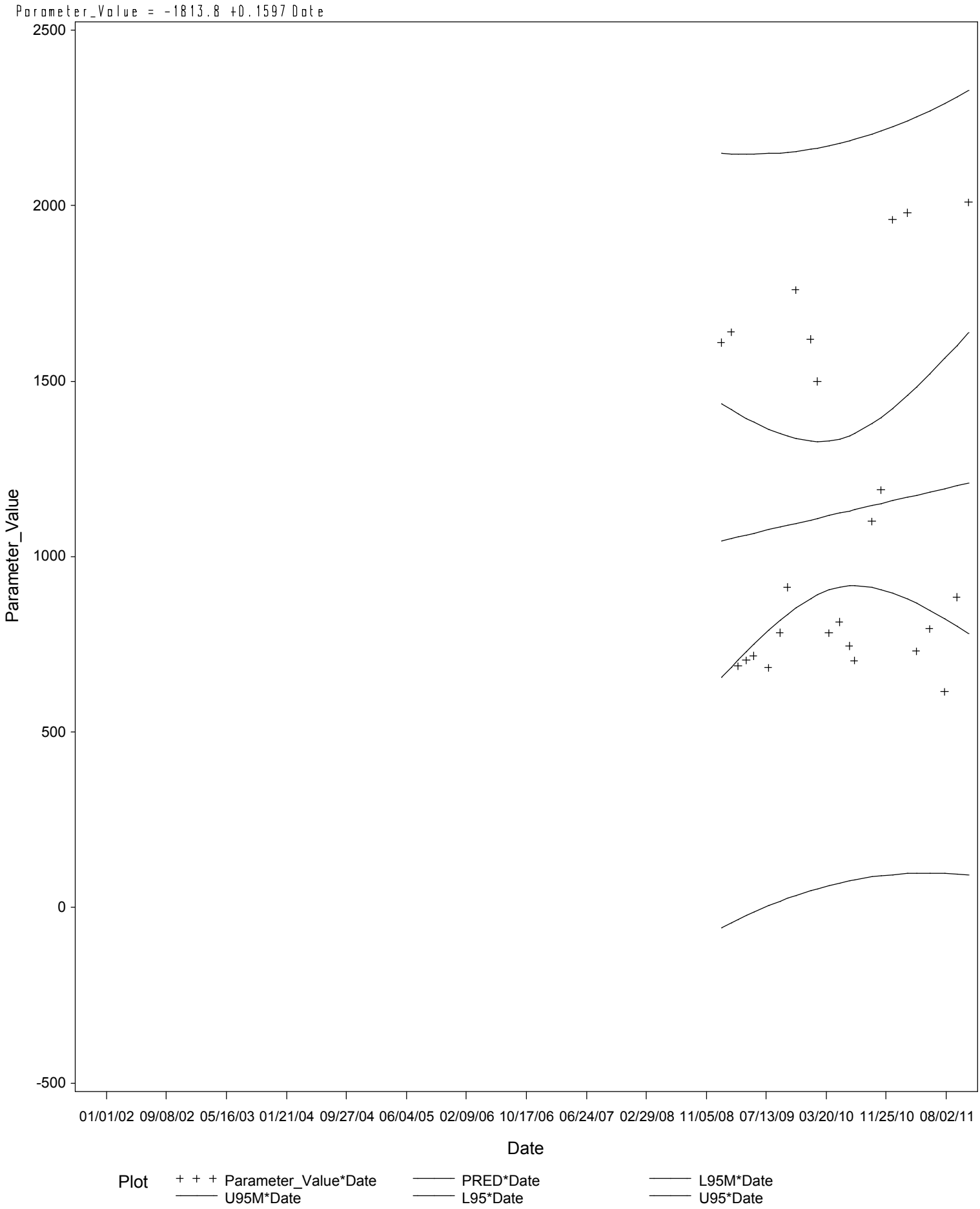


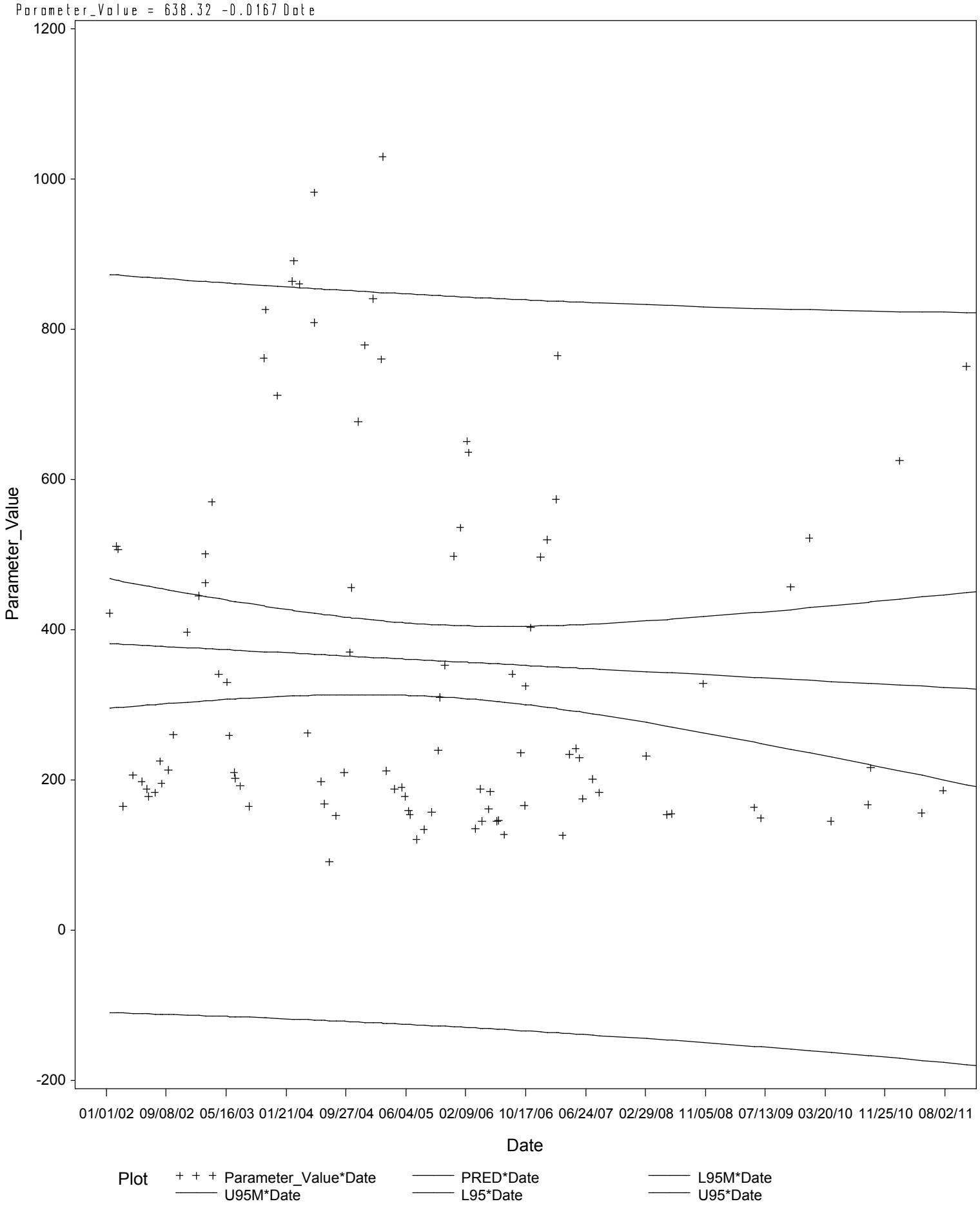
Rio Grande Above International Dam

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=17040



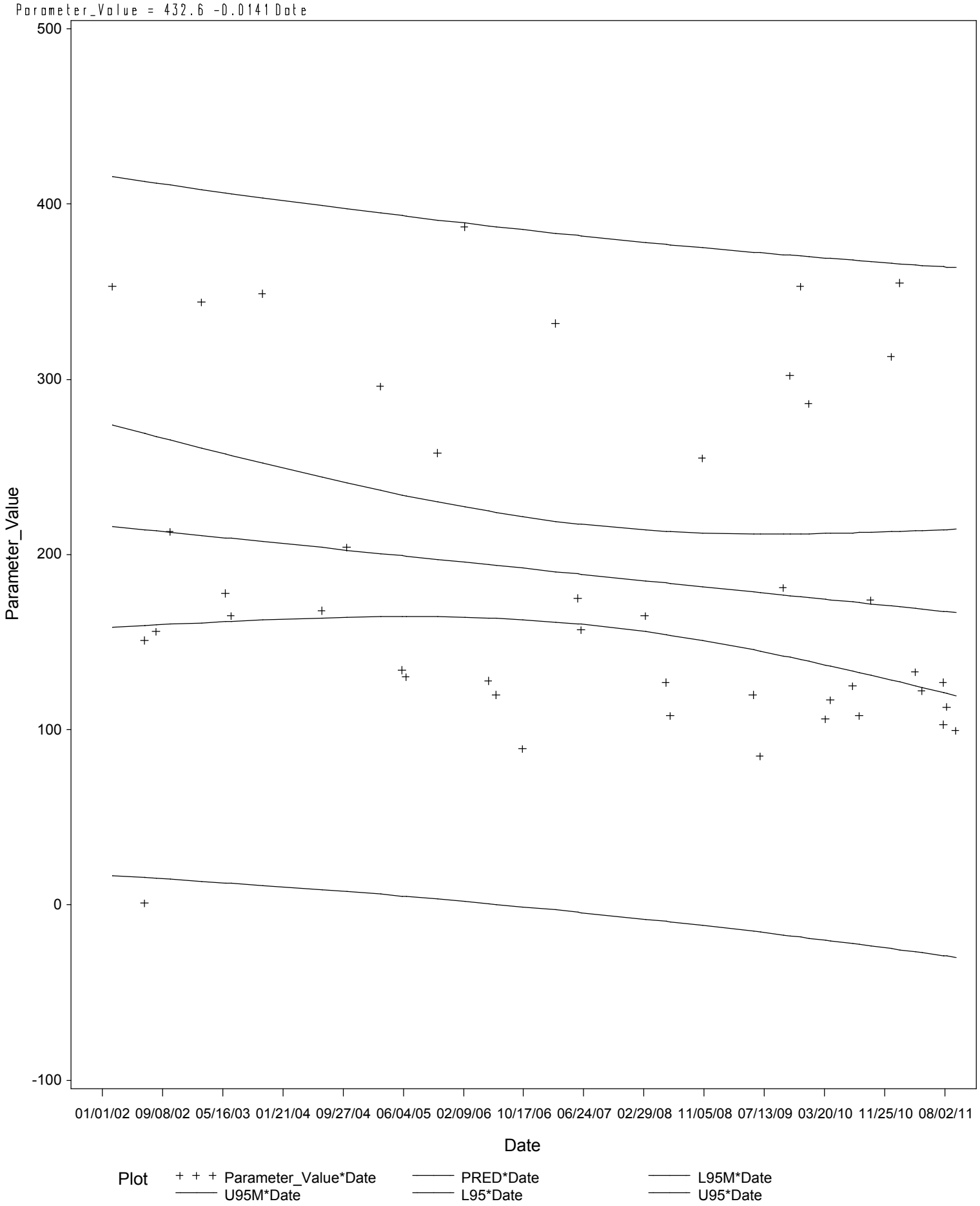
Rio Grande Above International Dam

Parameter=SULFATE (MG/L AS SO4) Station=13272



Rio Grande Above International Dam

Parameter=SULFATE (MG/L AS SO4) Station=13276



Rio Grande Above International Dam
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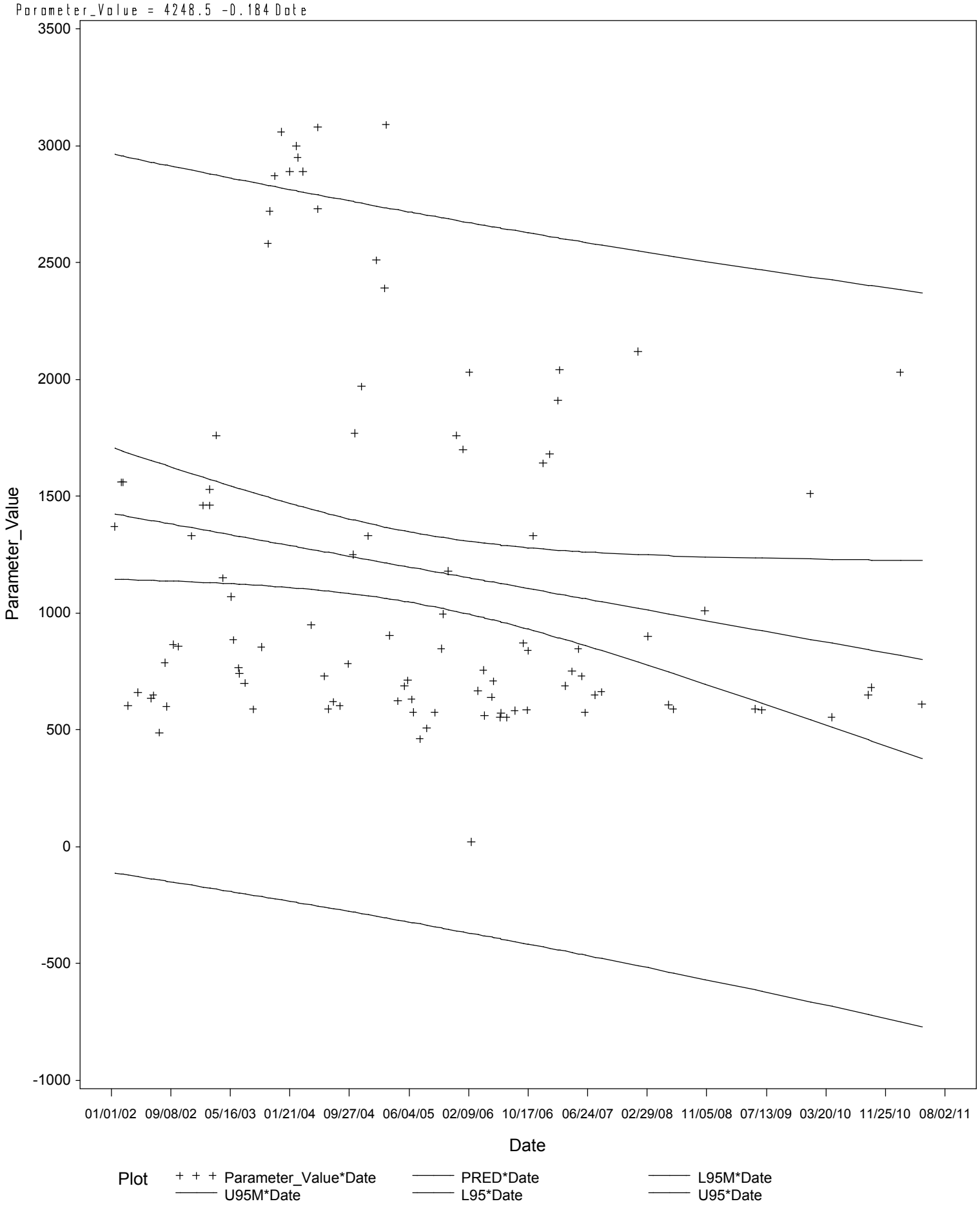

Rio Grande Above International Dam
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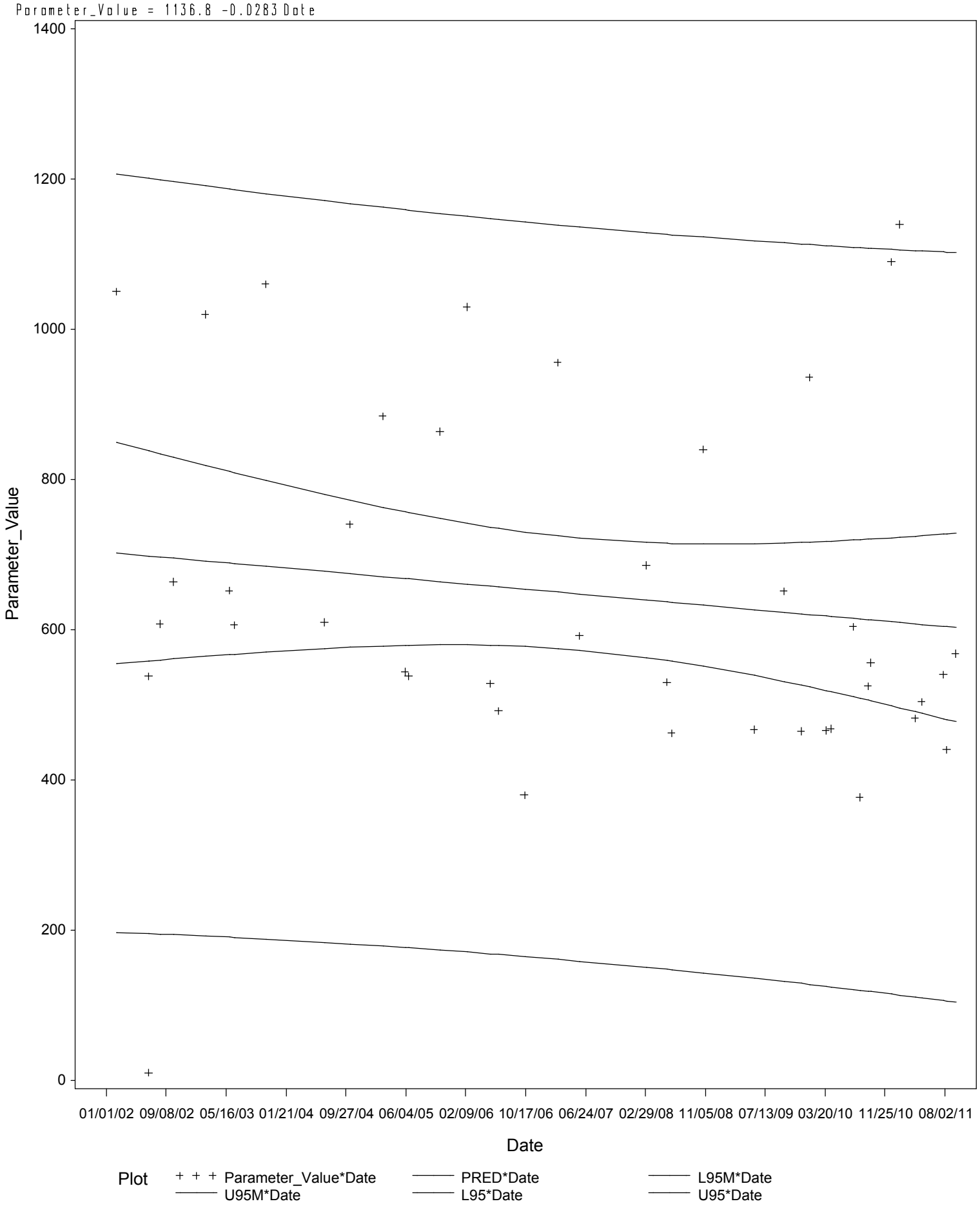
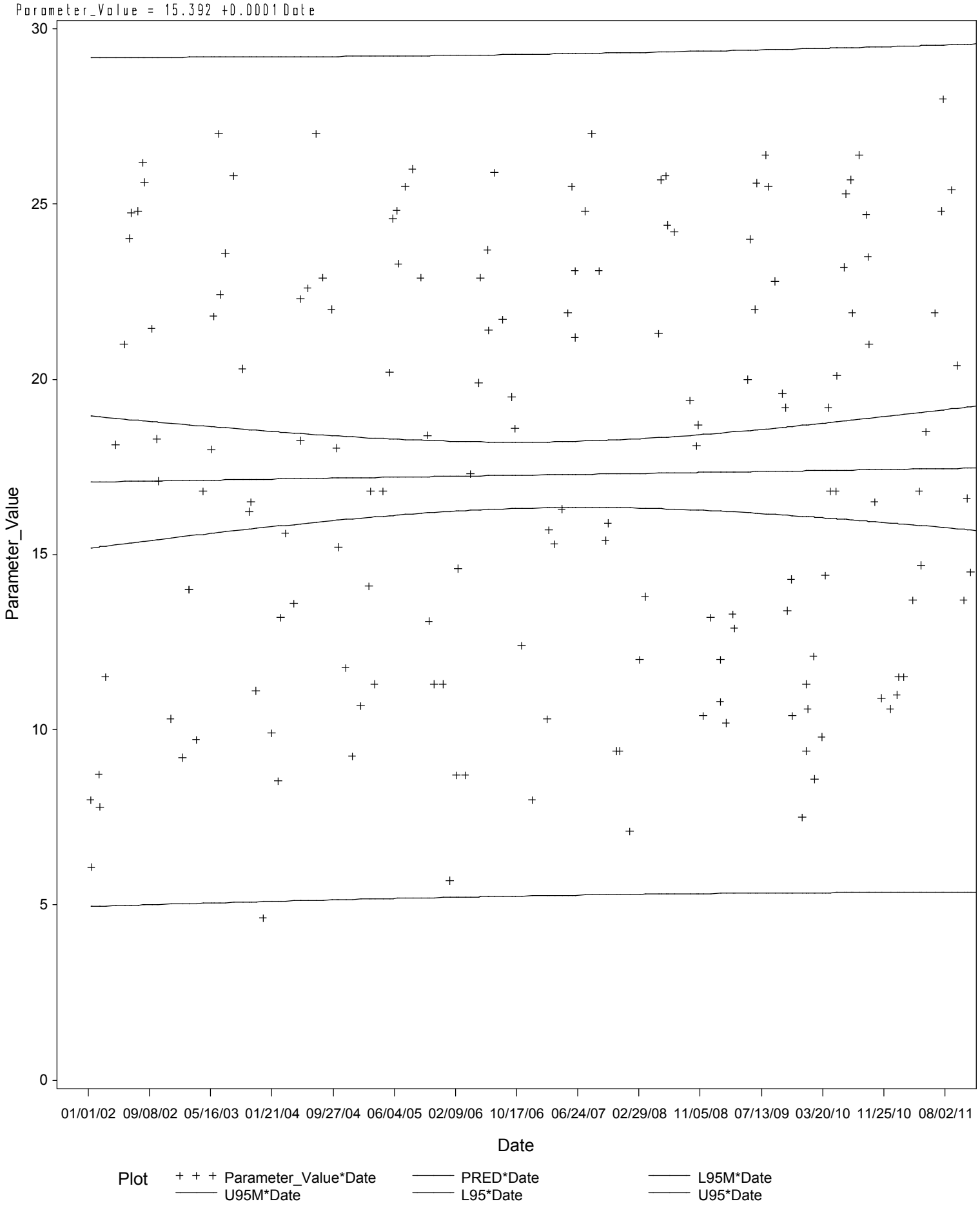


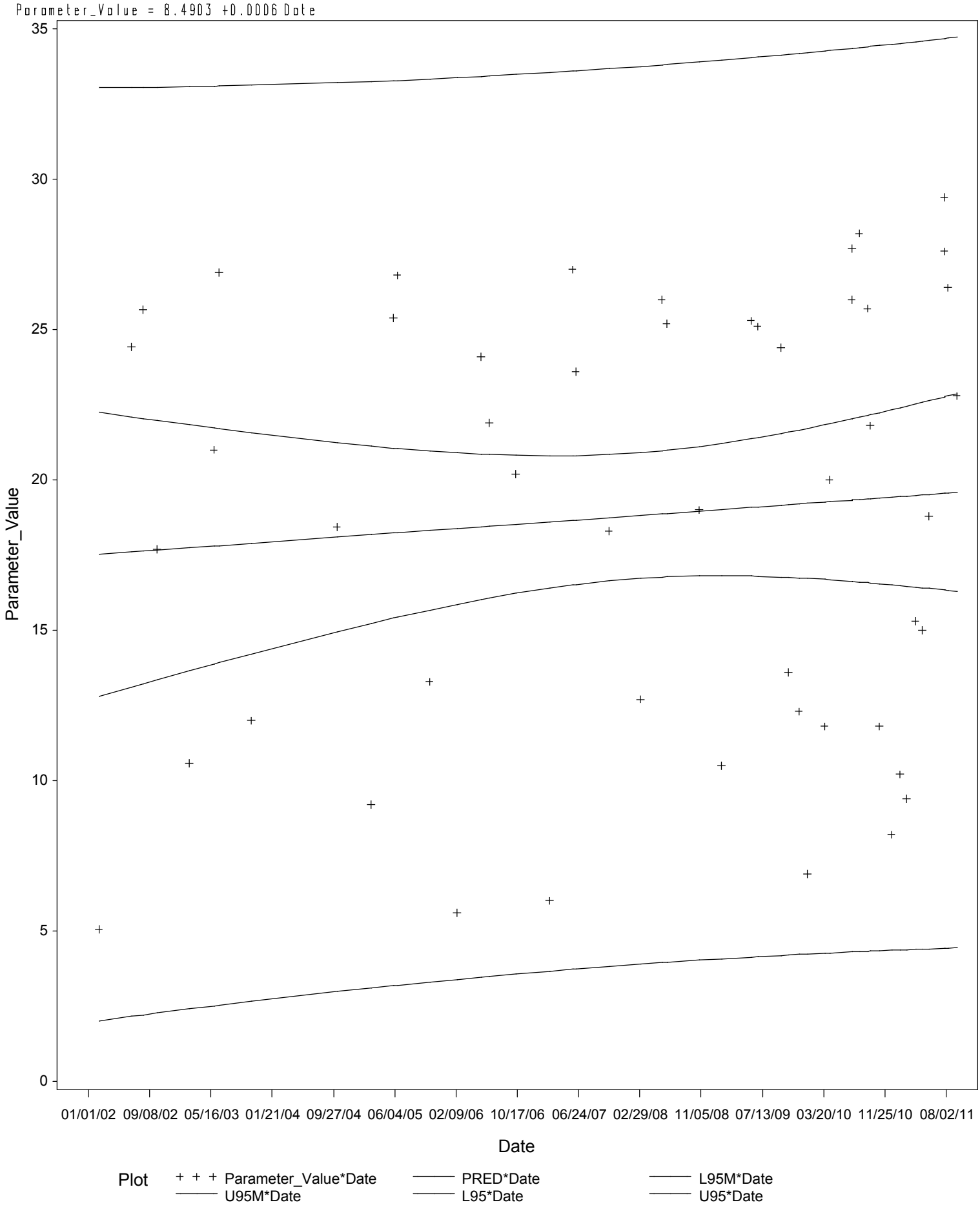
Rio Grande Above International Dam

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13272



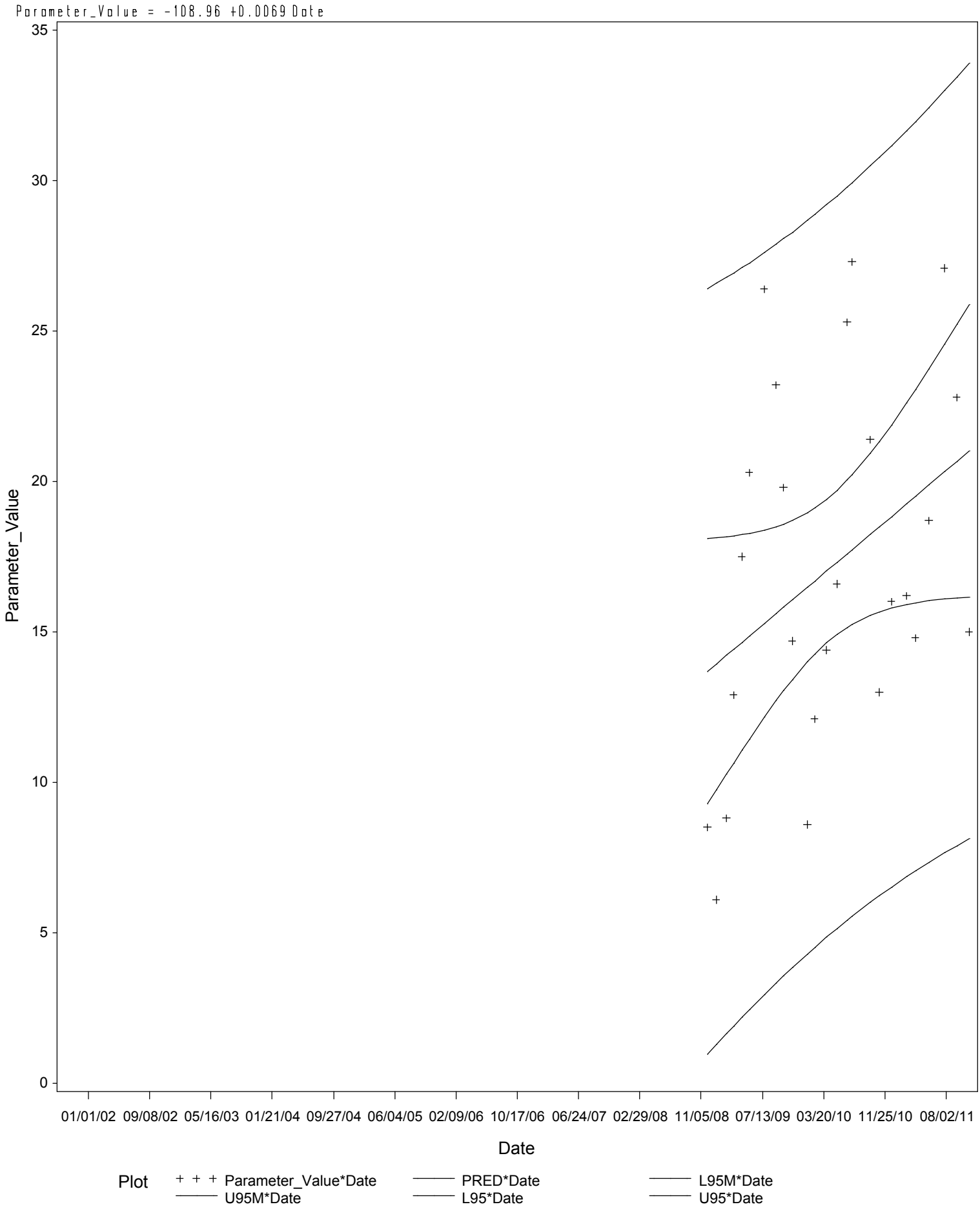
Rio Grande Above International Dam

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13276



Rio Grande Above International Dam

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=17040



Rio Grande Above International Dam

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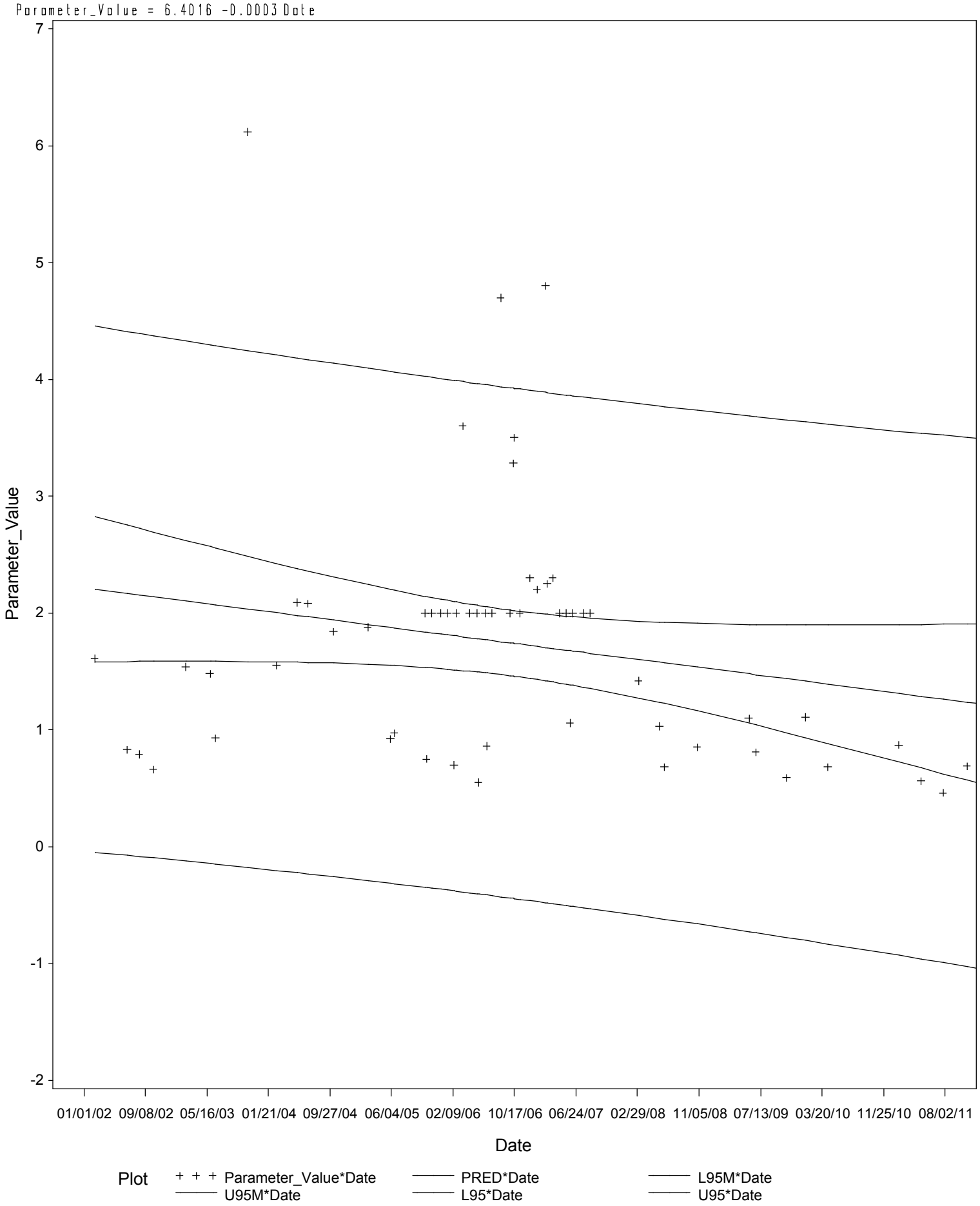

Rio Grande Above International Dam

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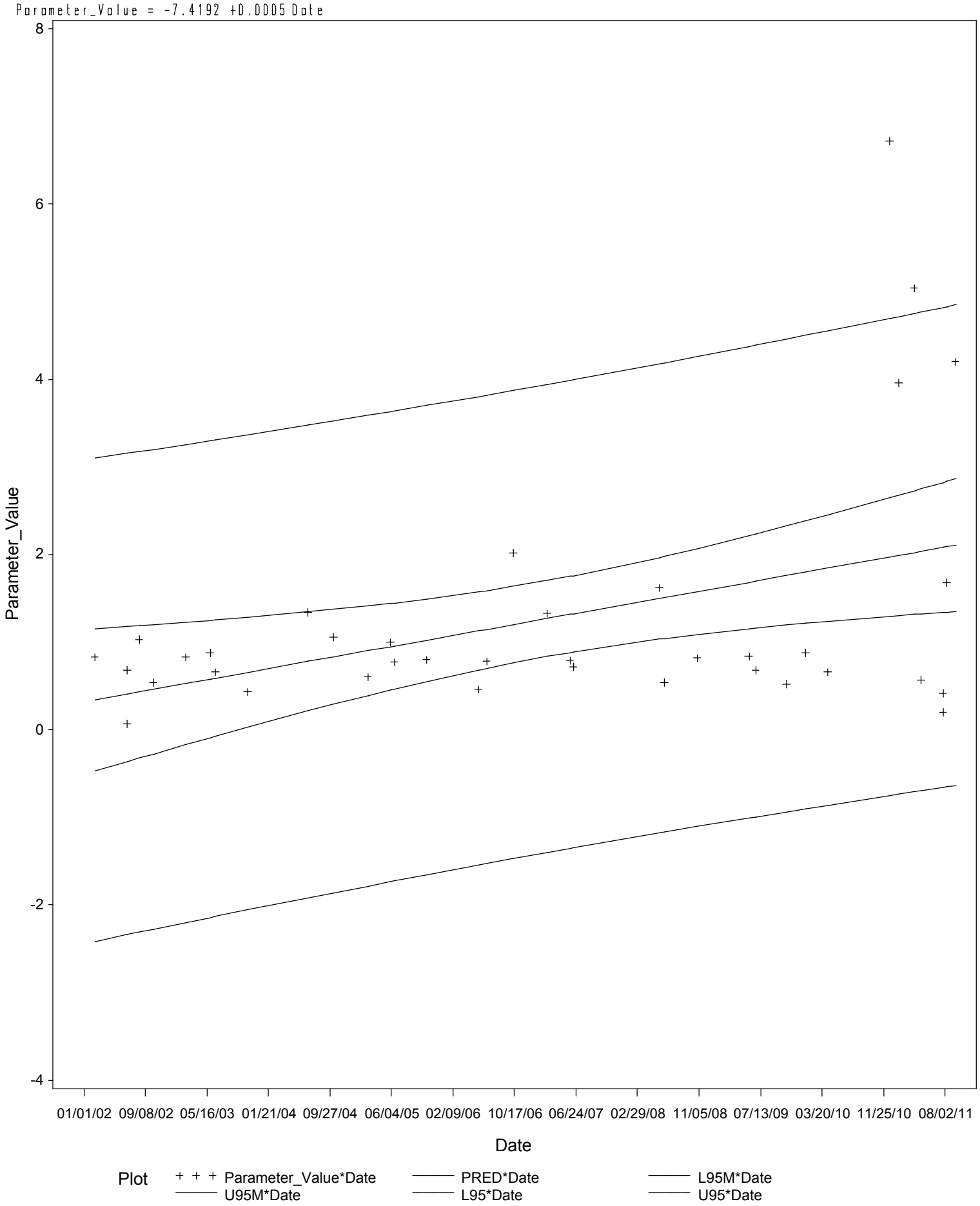
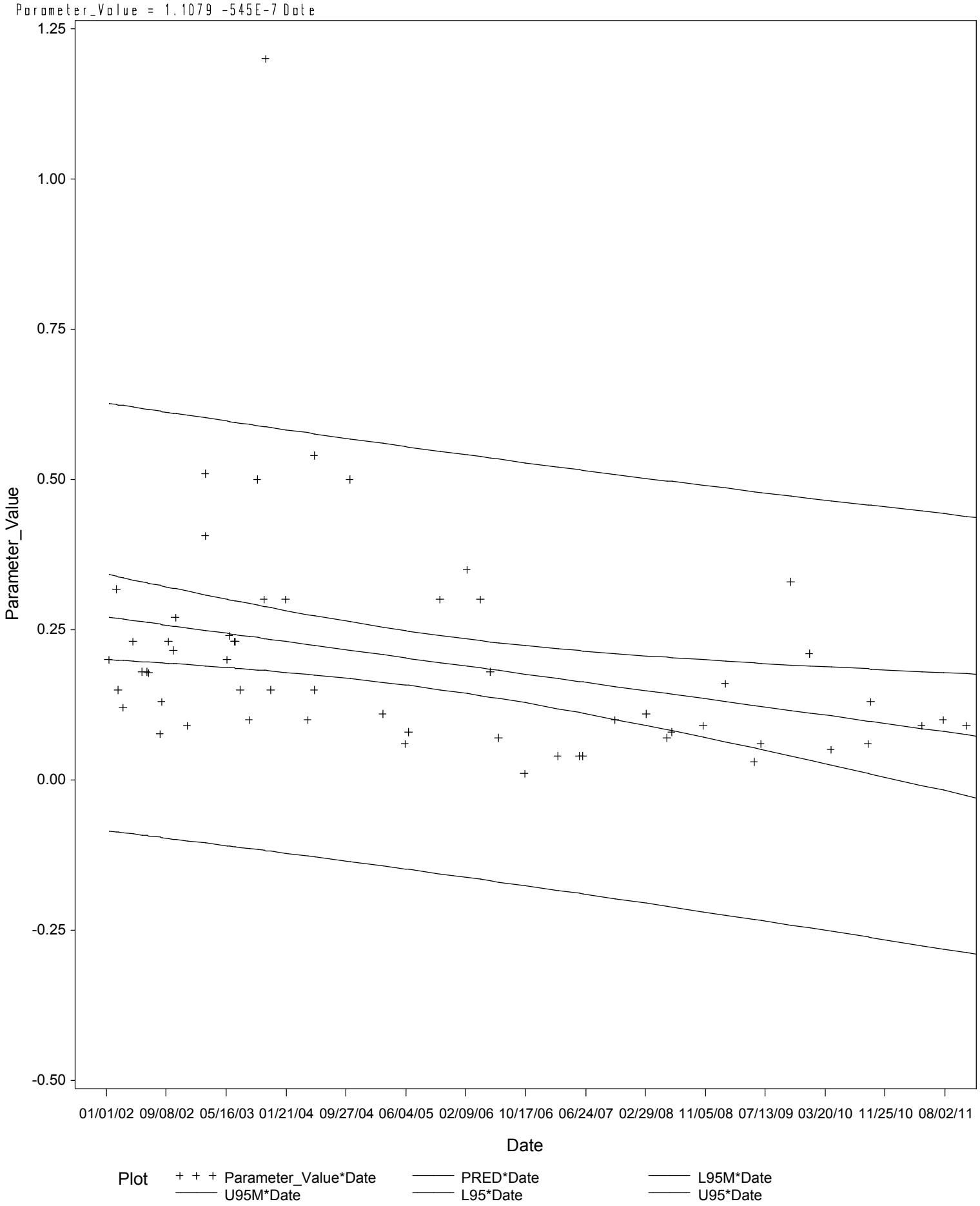


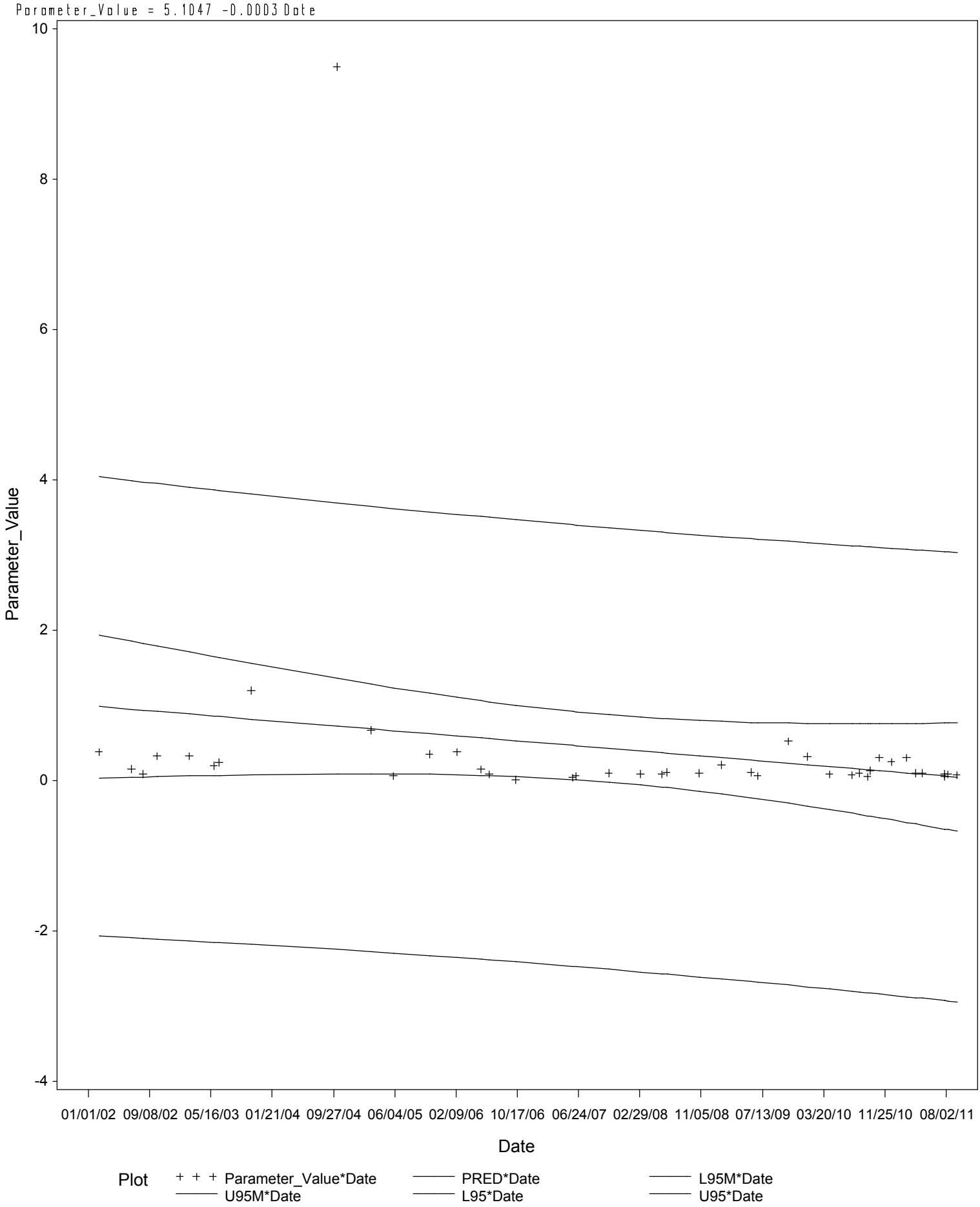
Rio Grande Above International Dam

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13272

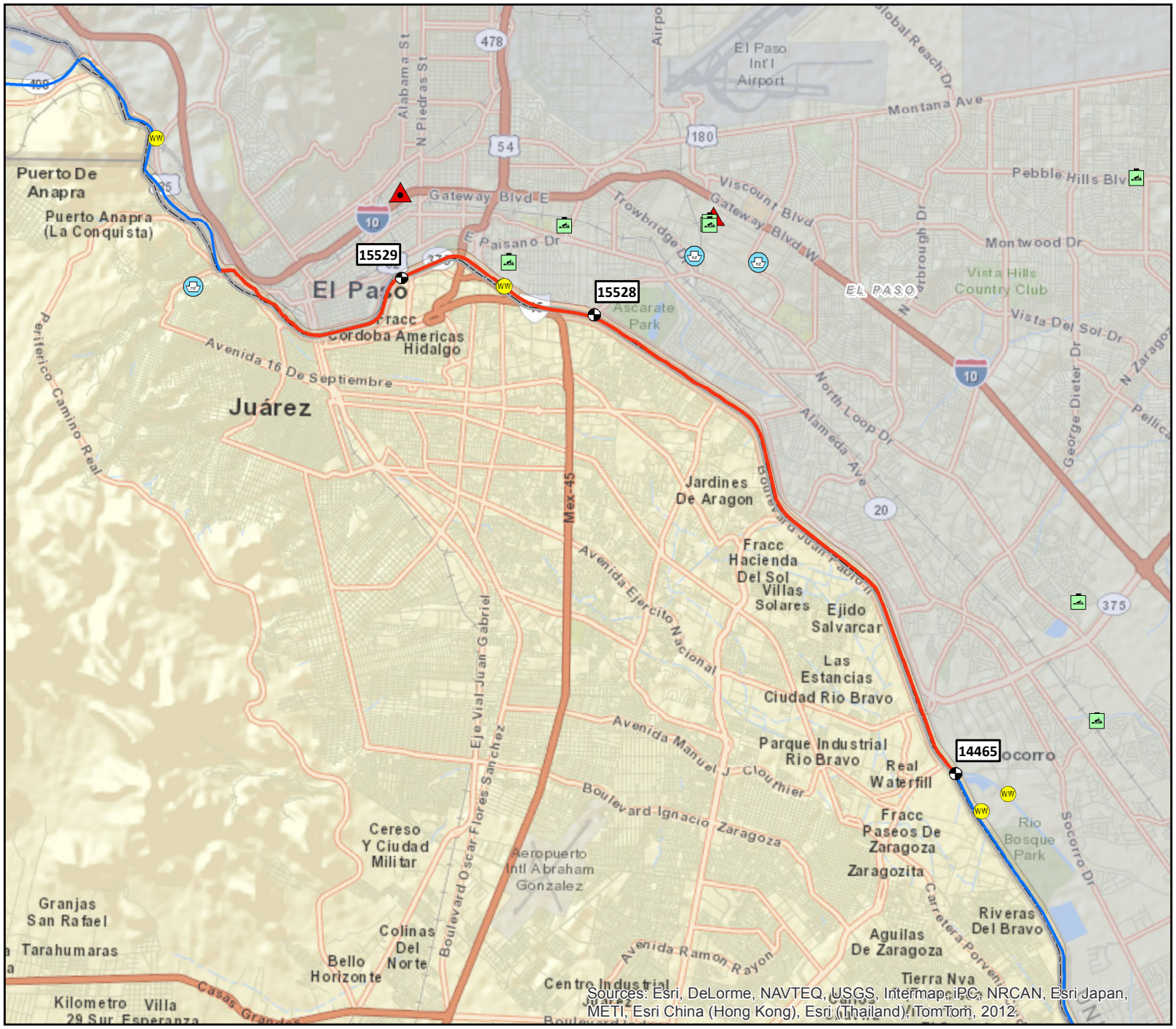


Rio Grande Above International Dam

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13276



2. Upper Rio Grande Segment 2308



2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Upper Rio Grande
Segment ID: 2308
Name: Rio Grande Below International Dam

LEGEND

- Monitoring Station (3)
- Wastewater Outfall (5)
- Hazardous Waste (3)
- Landfill (10)
- Superfund Site (2)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary

0 1 2 MILES

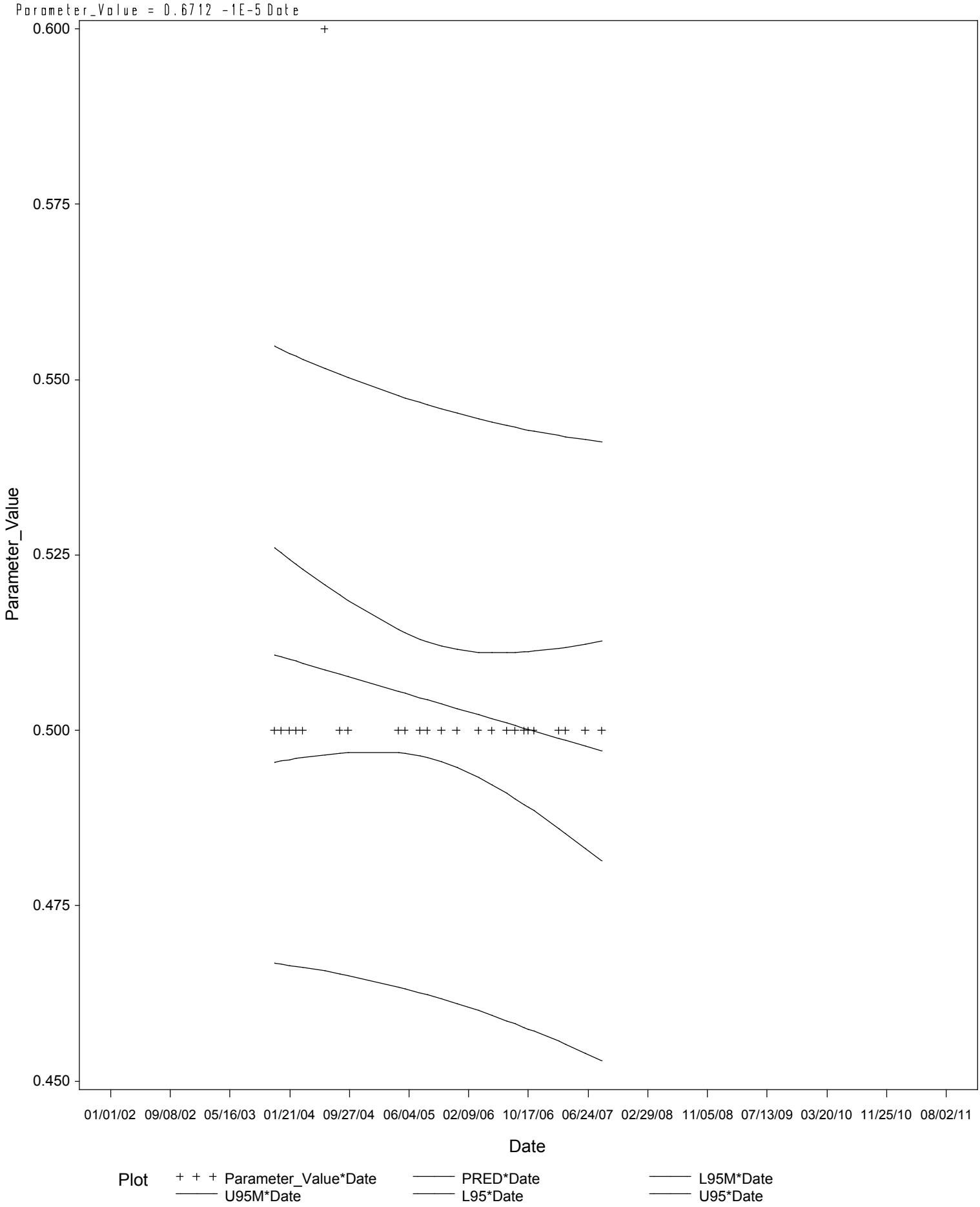
N

HDR ENVIRONMENTAL, OPERATIONS AND CONSTRUCTION, INC
184 CREEKSIDE PARK, SUITE 100
SPRING BRANCH, TX 78070-6230
210.253.6528

AUG 2013

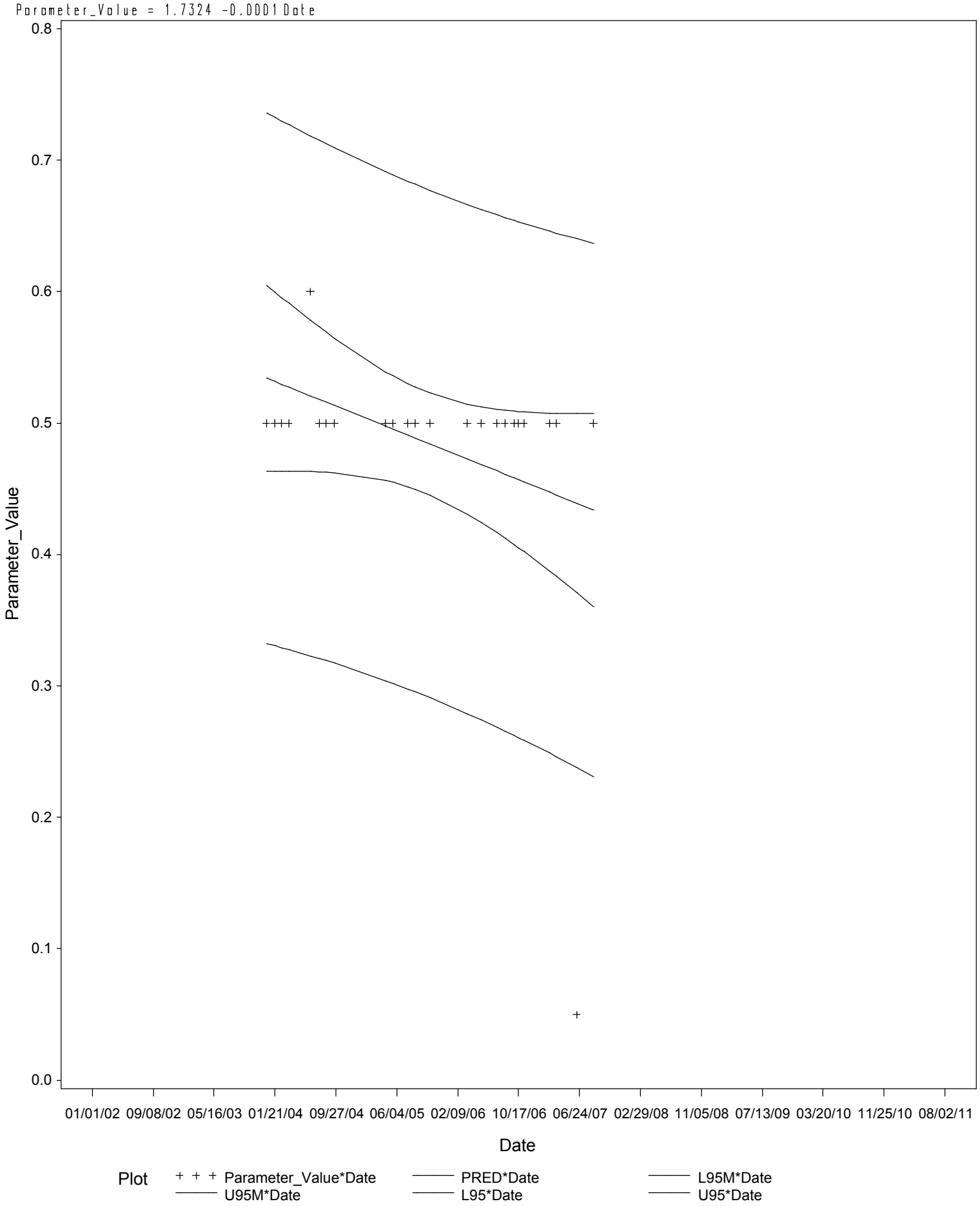
Rio Grande Below International Dam

Parameter=ALACHLOR, WHOLE WATER (UG/L) Station=15528



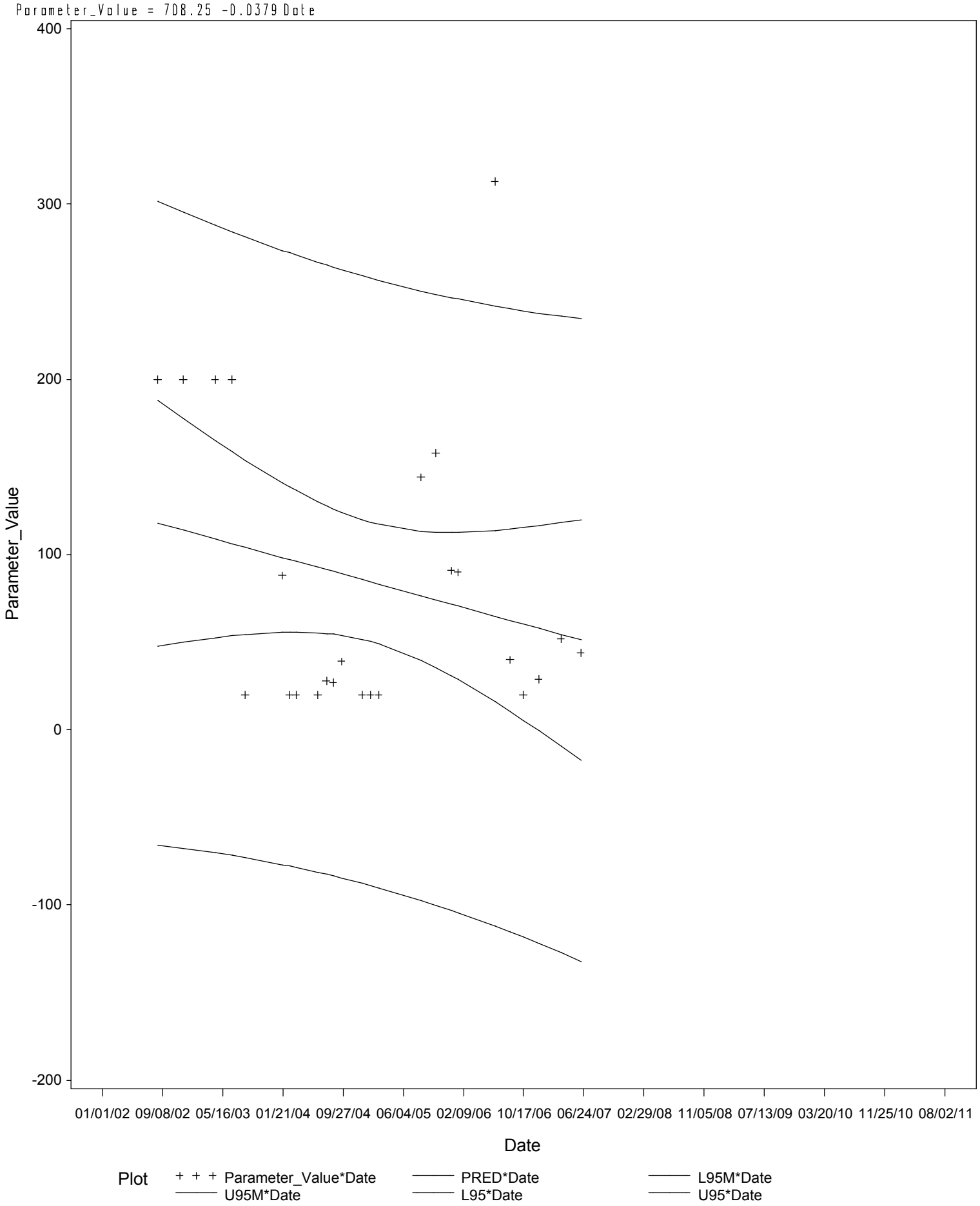
Rio Grande Below International Dam

Parameter=ALACHLOR, WHOLE WATER (UG/L) Station=15529



Rio Grande Below International Dam

Parameter=ALUMINUM, DISSOLVED (UG/L AS AL) Station=14465



Rio Grande Below International Dam

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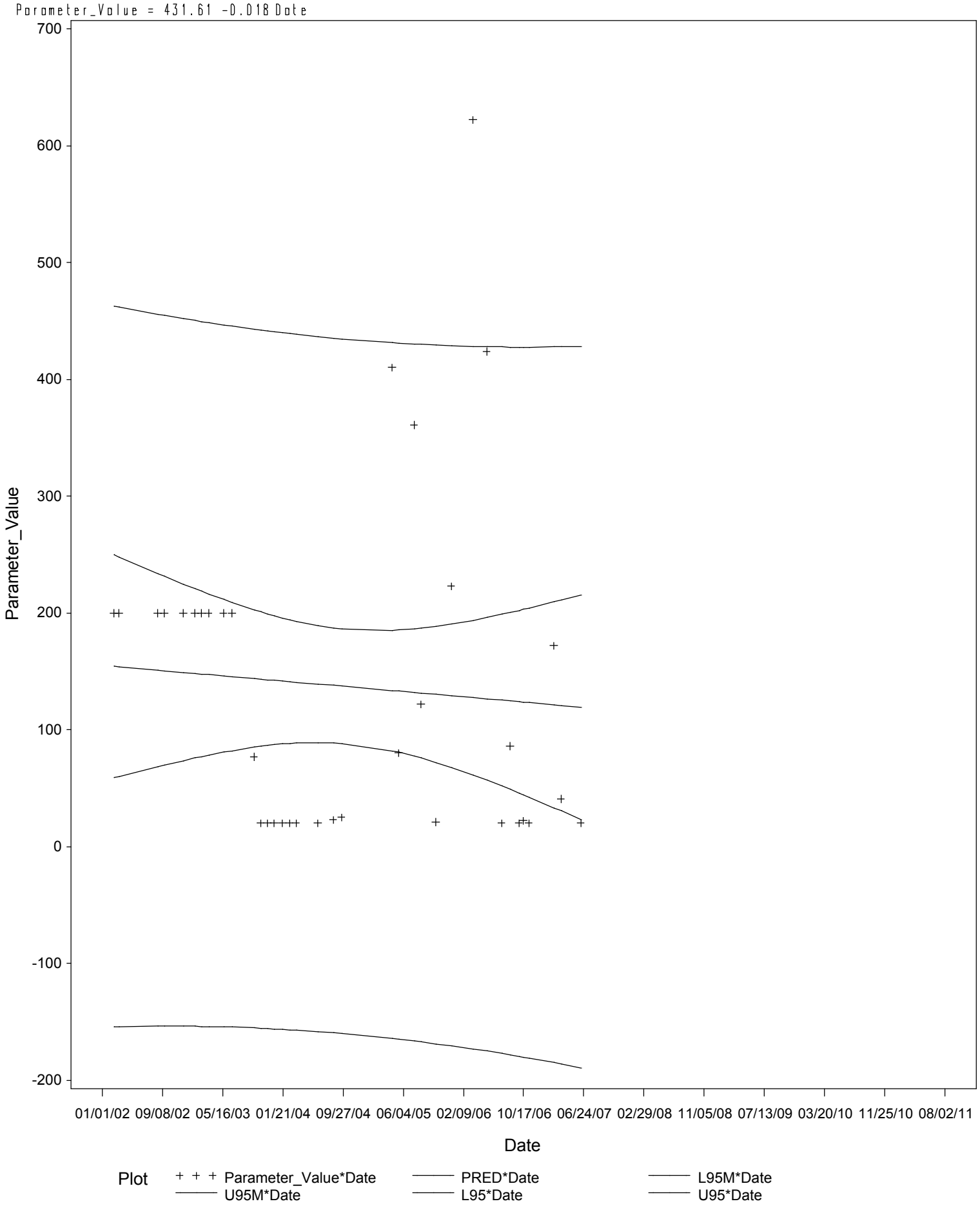
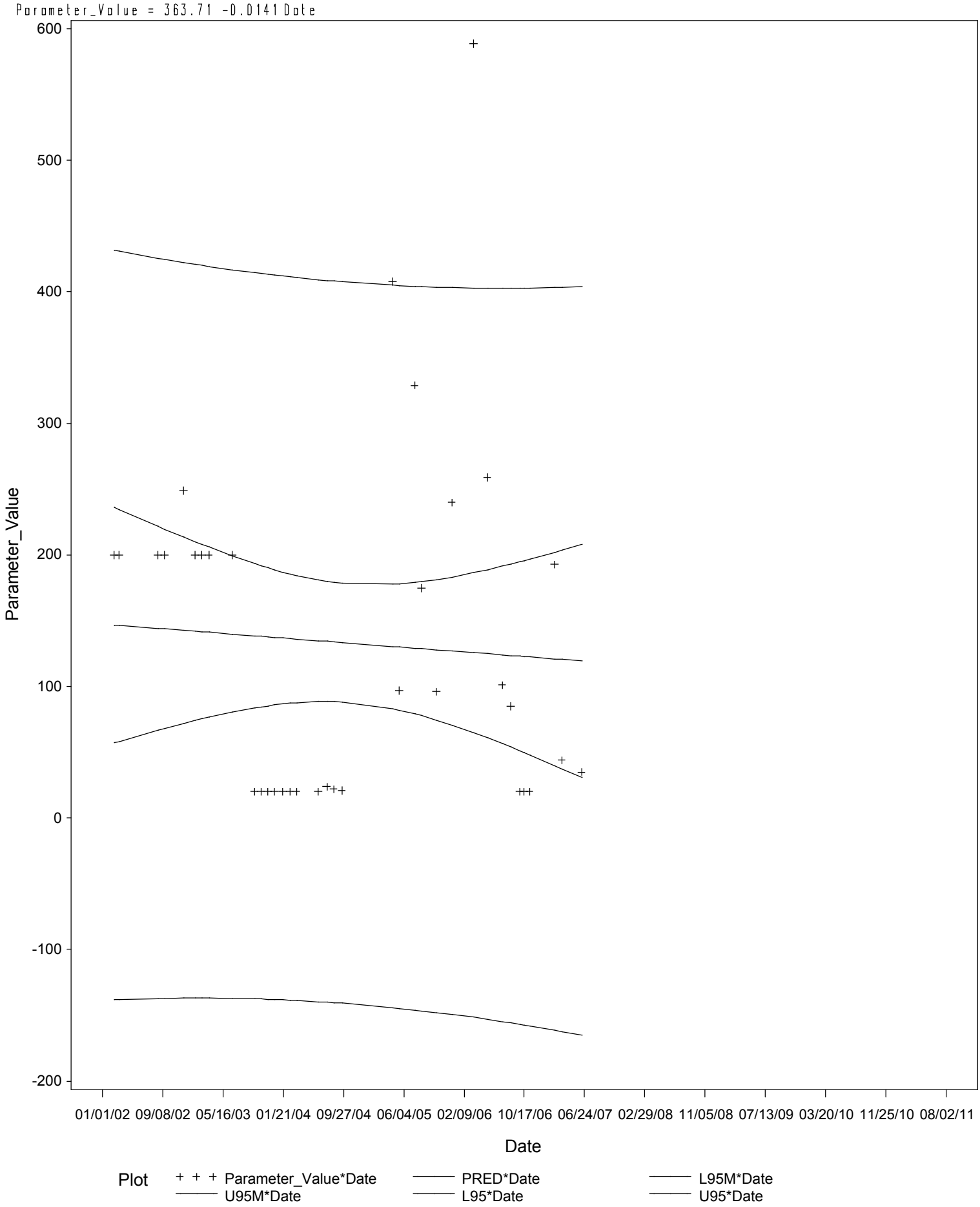


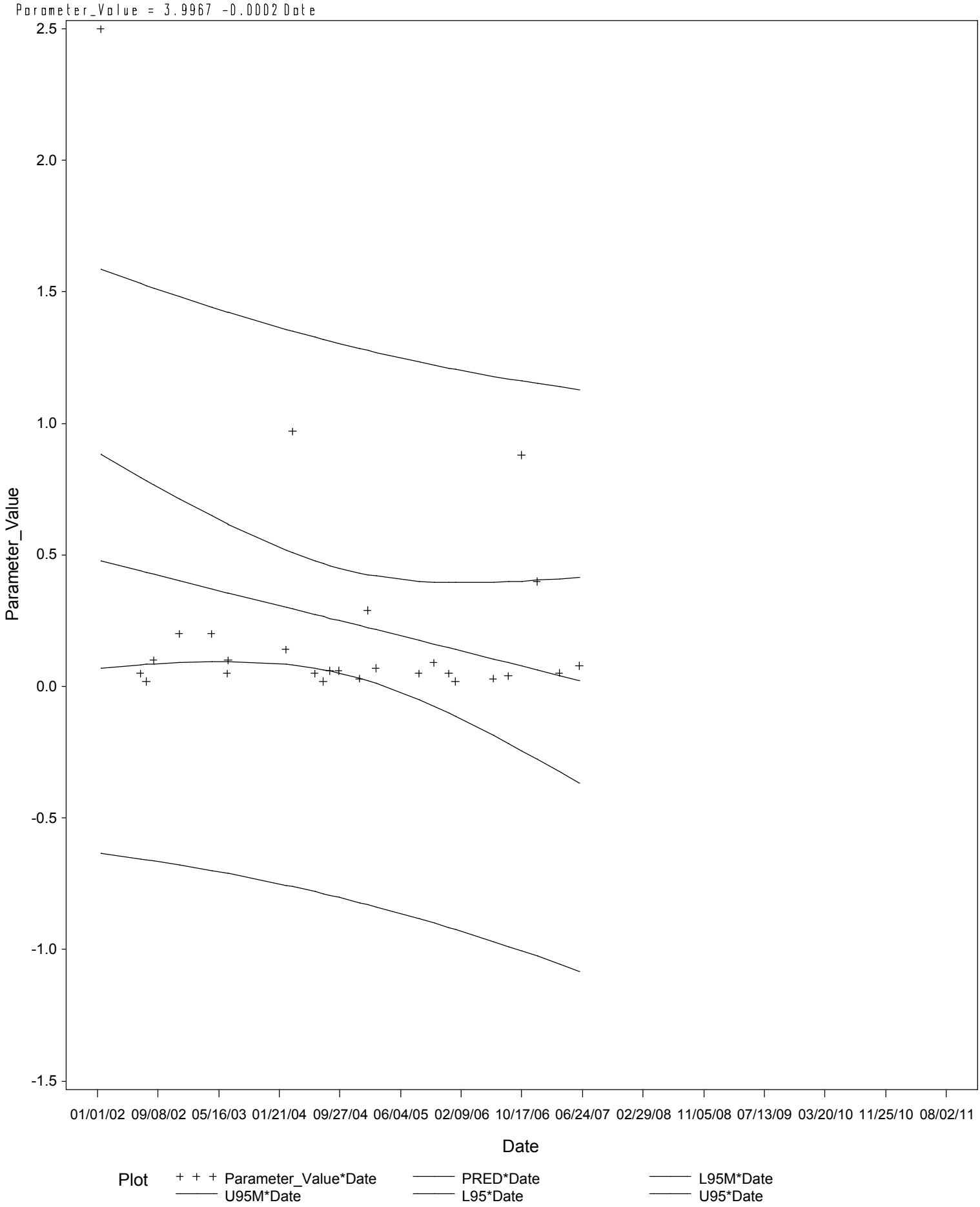
Rio Grande Below International Dam

Parameter=ALUMINUM, DISSOLVED (UG/L AS AL) Station=15529



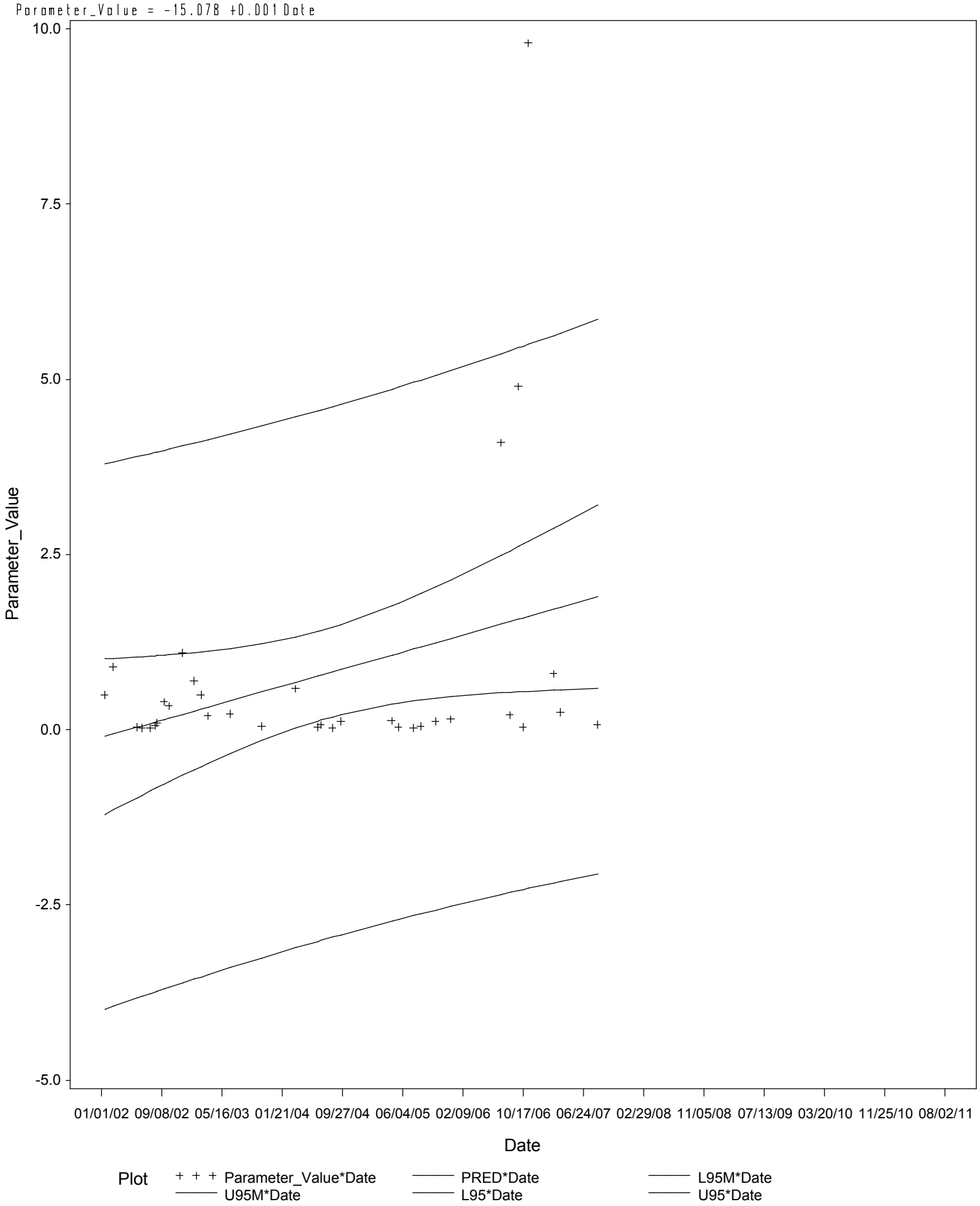
Rio Grande Below International Dam

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=14465



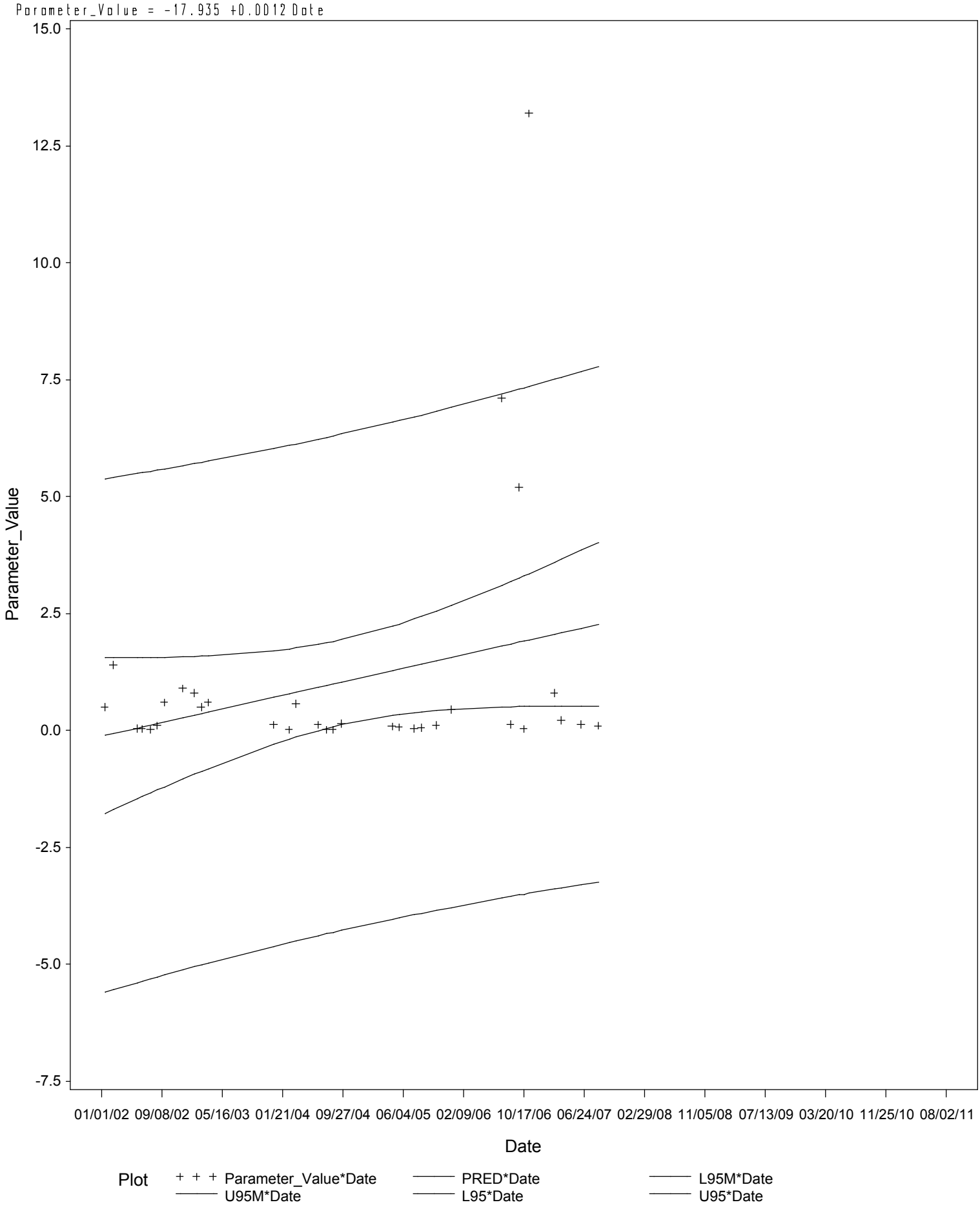
Rio Grande Below International Dam

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15528



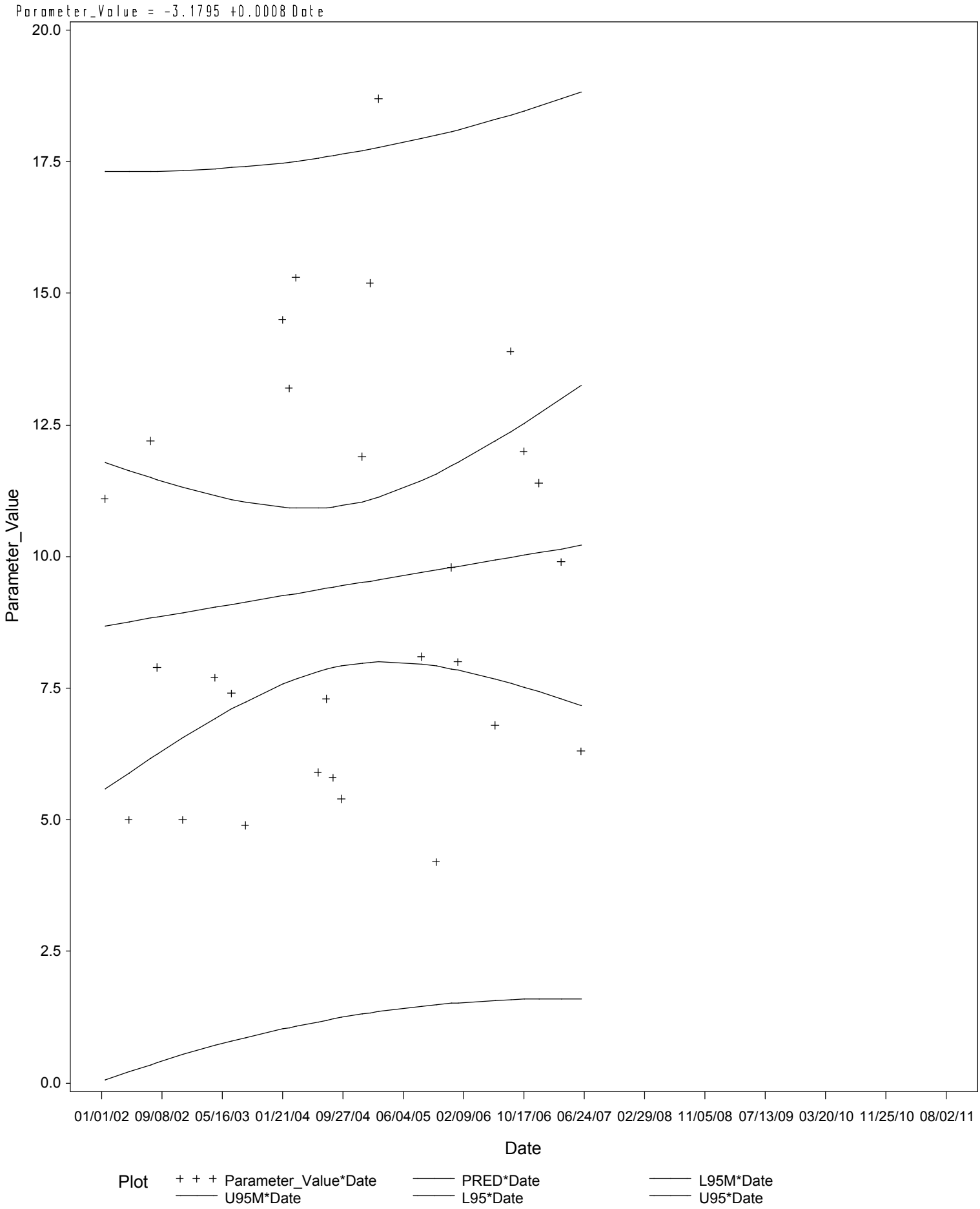
Rio Grande Below International Dam

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15529



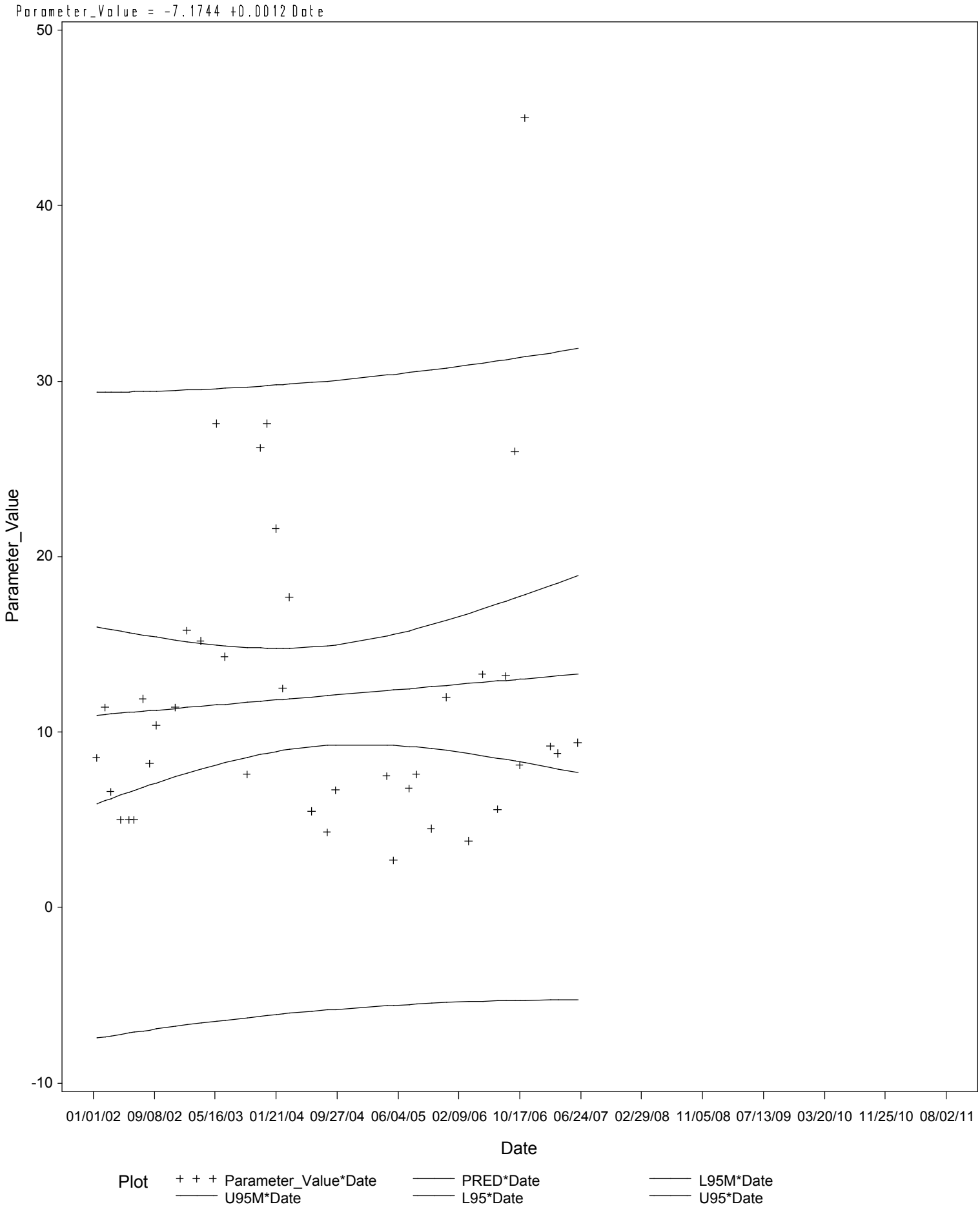
Rio Grande Below International Dam

Parameter=ARSENIC, DISSOLVED (UG/L AS AS) Station=14465



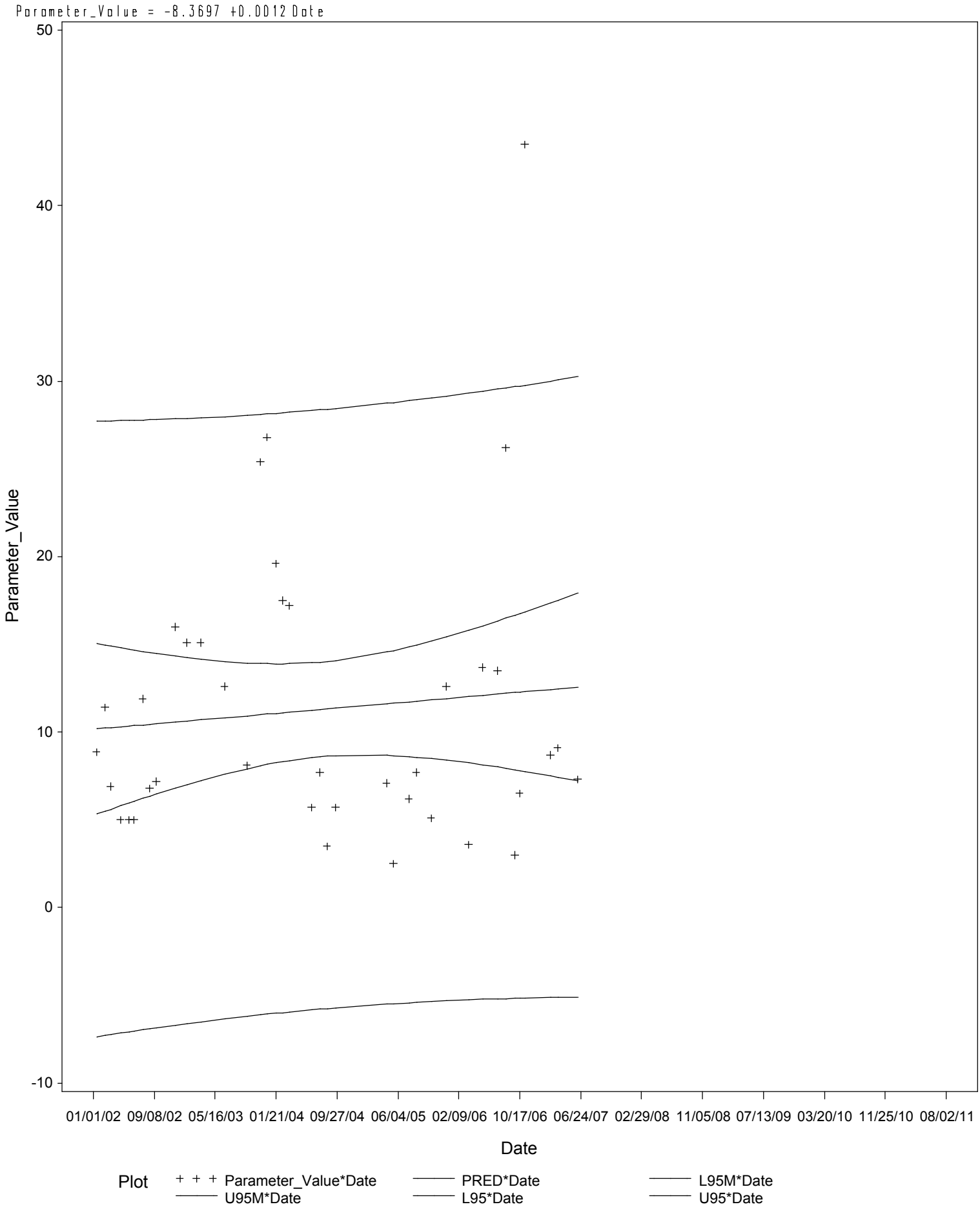
Rio Grande Below International Dam

Parameter=ARSENIC, DISSOLVED (UG/L AS AS) Station=15528



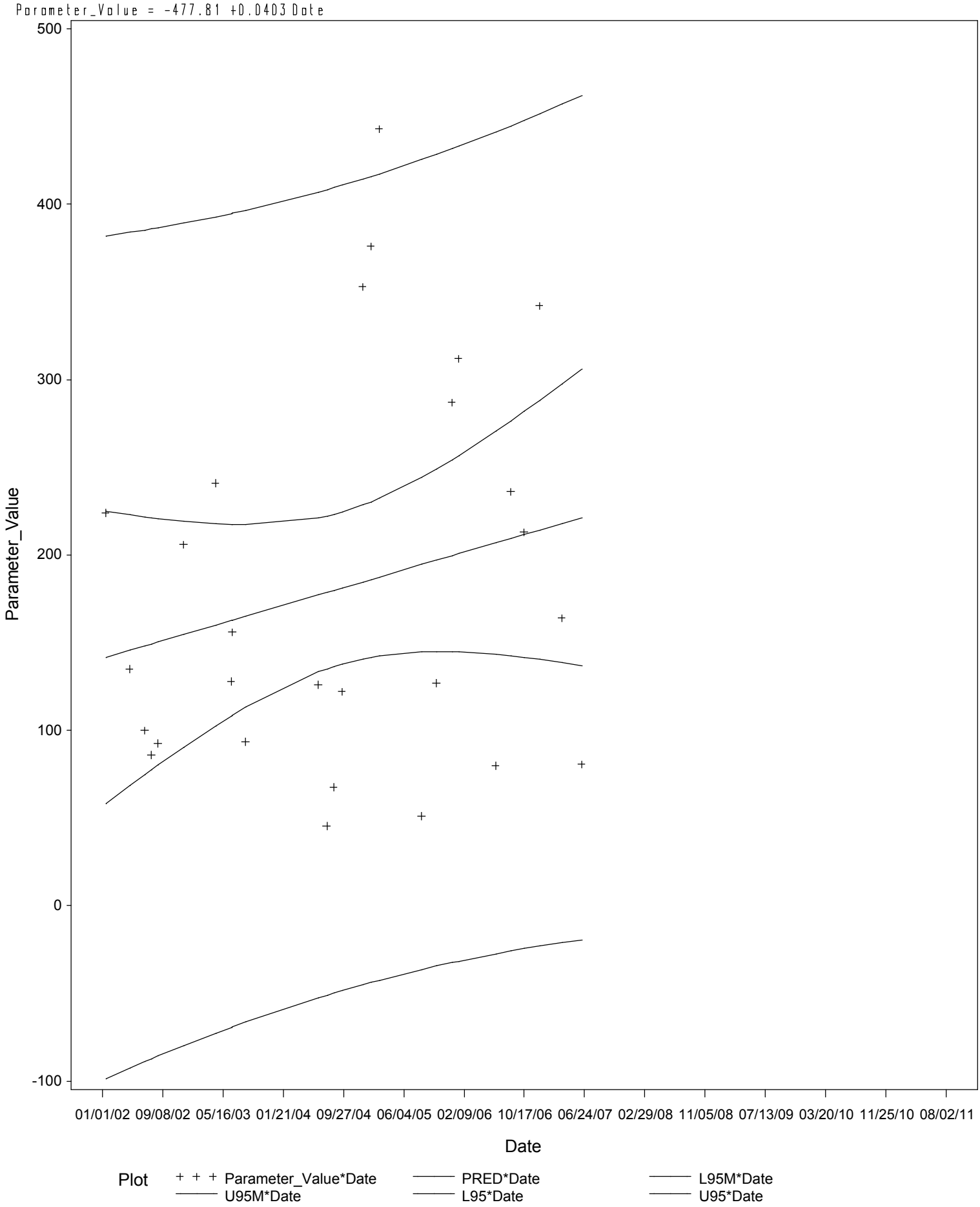
Rio Grande Below International Dam

Parameter=ARSENIC, DISSOLVED (UG/L AS AS) Station=15529



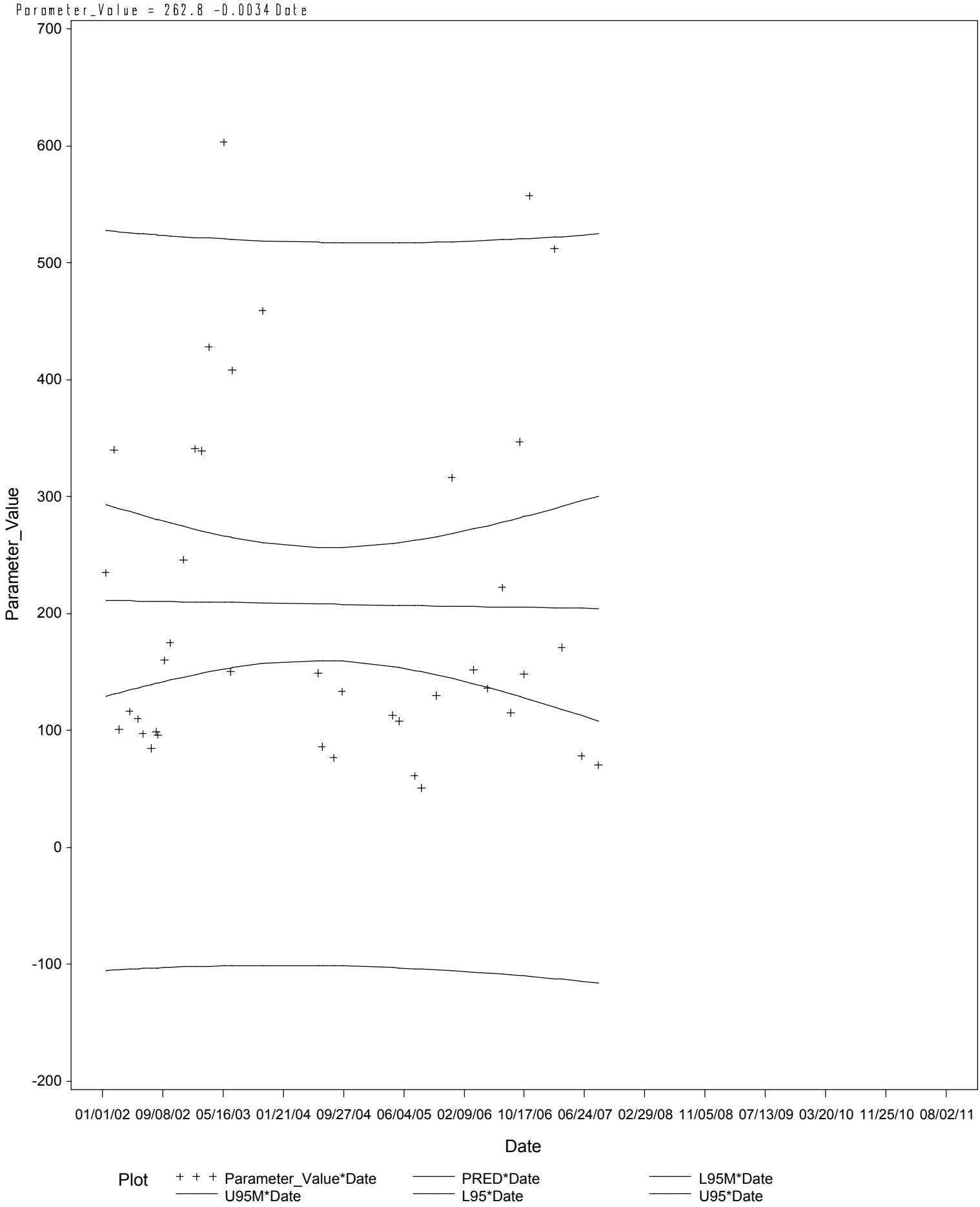
Rio Grande Below International Dam

Parameter=CHLORIDE (MG/L AS CL) Station=14465



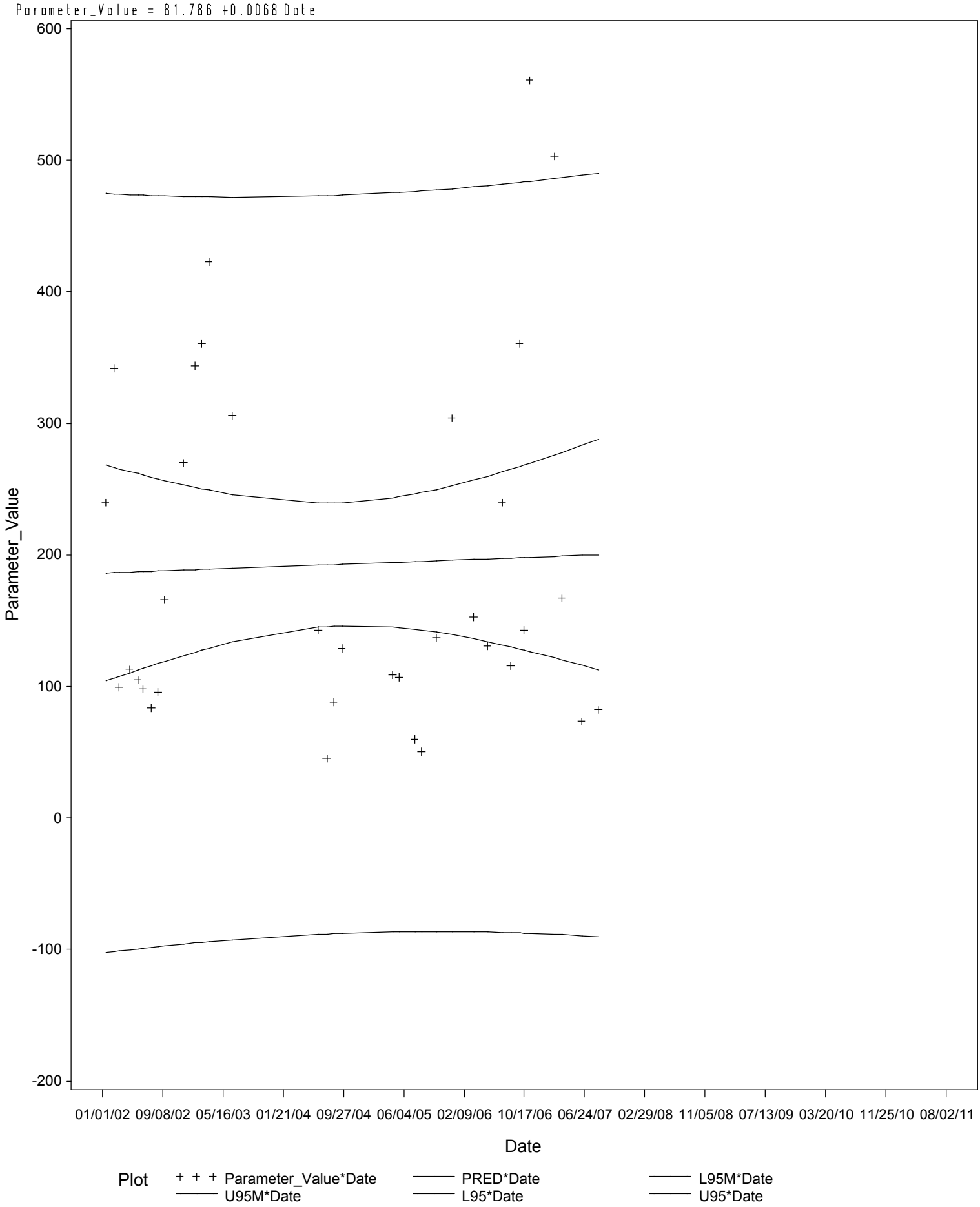
Rio Grande Below International Dam

Parameter=CHLORIDE (MG/L AS CL) Station=15528



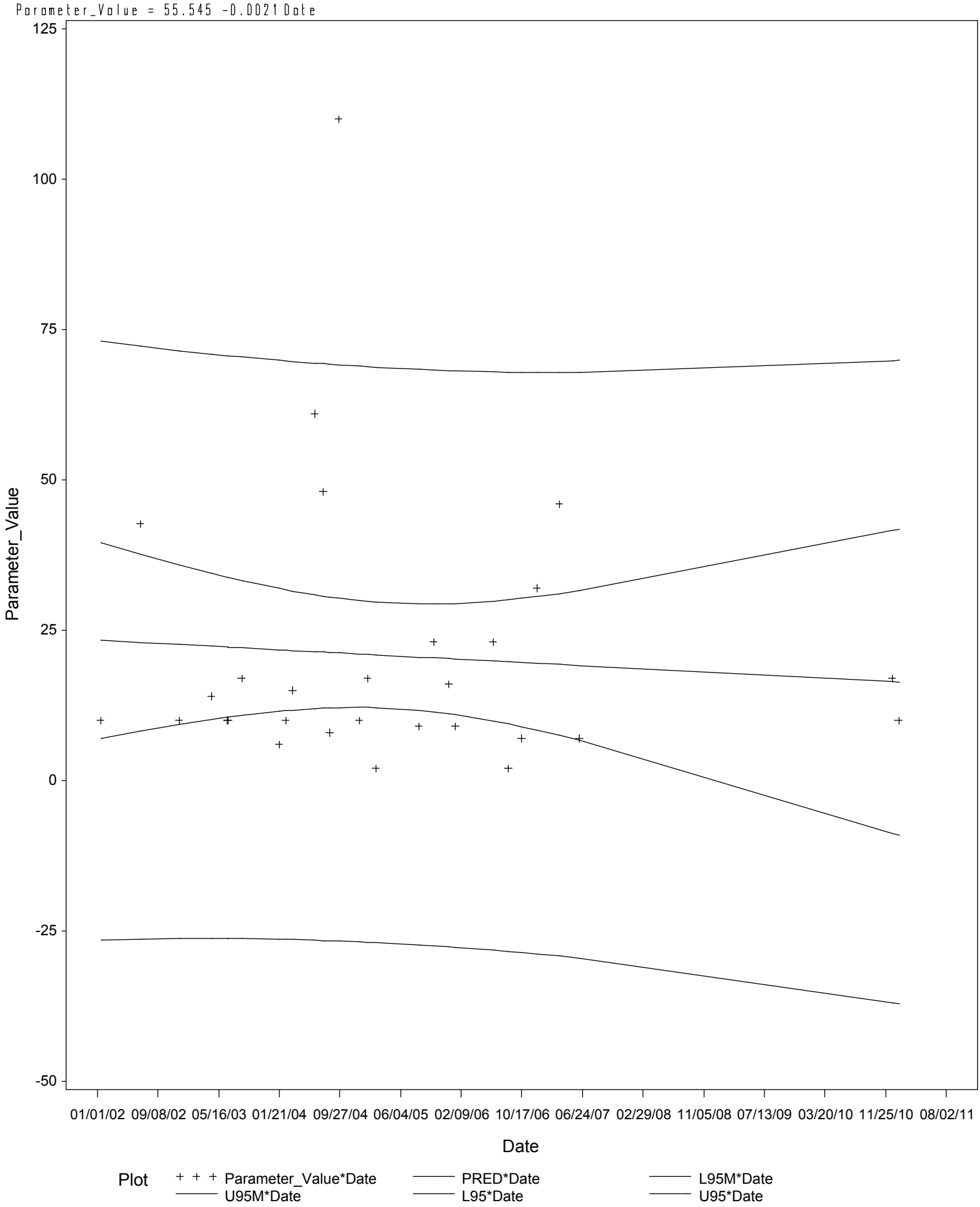
Rio Grande Below International Dam

Parameter=CHLORIDE (MG/L AS CL) Station=15529



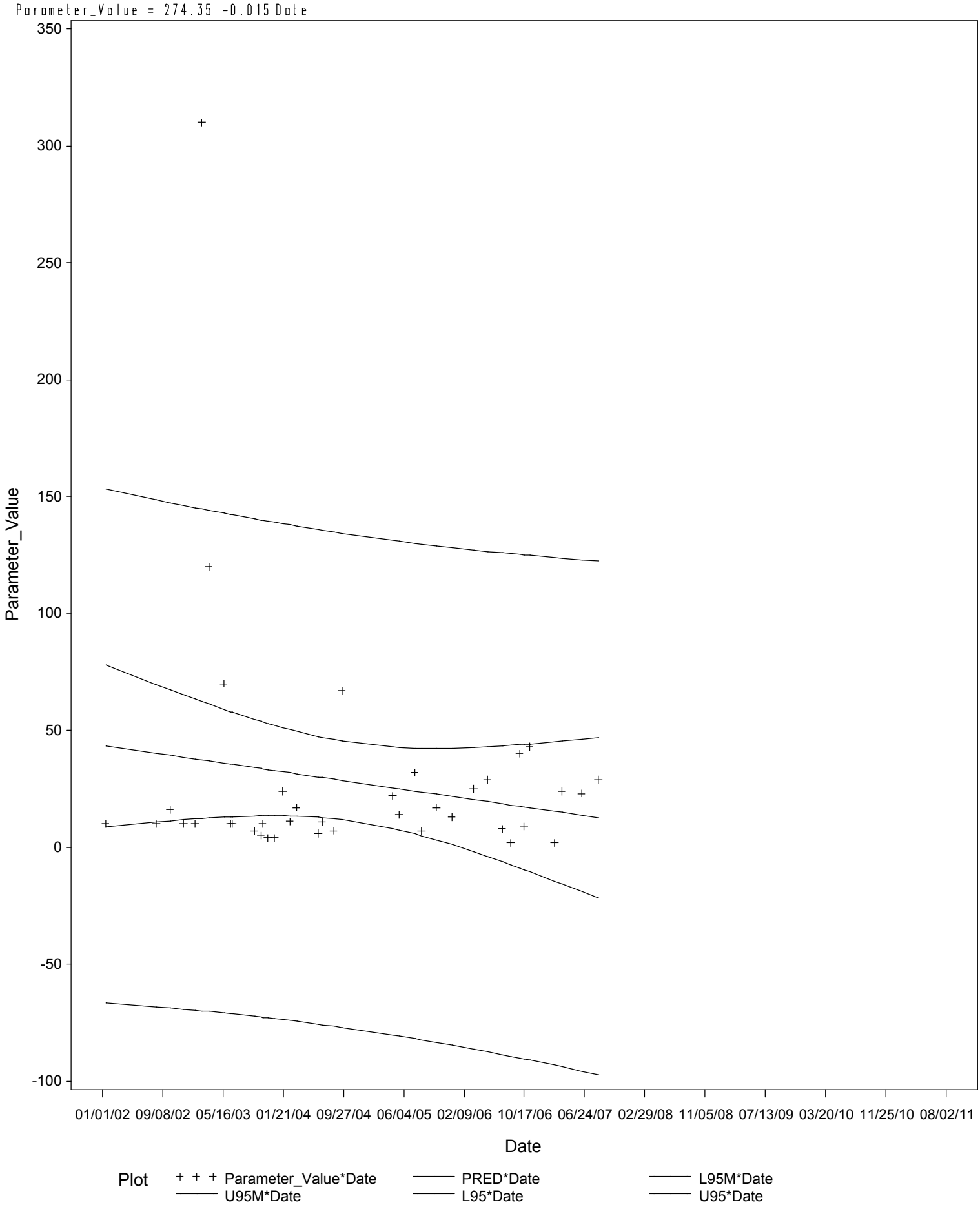
Rio Grande Below International Dam

Parameter=CHLOROPHYLL-A, UG/L Station=14465



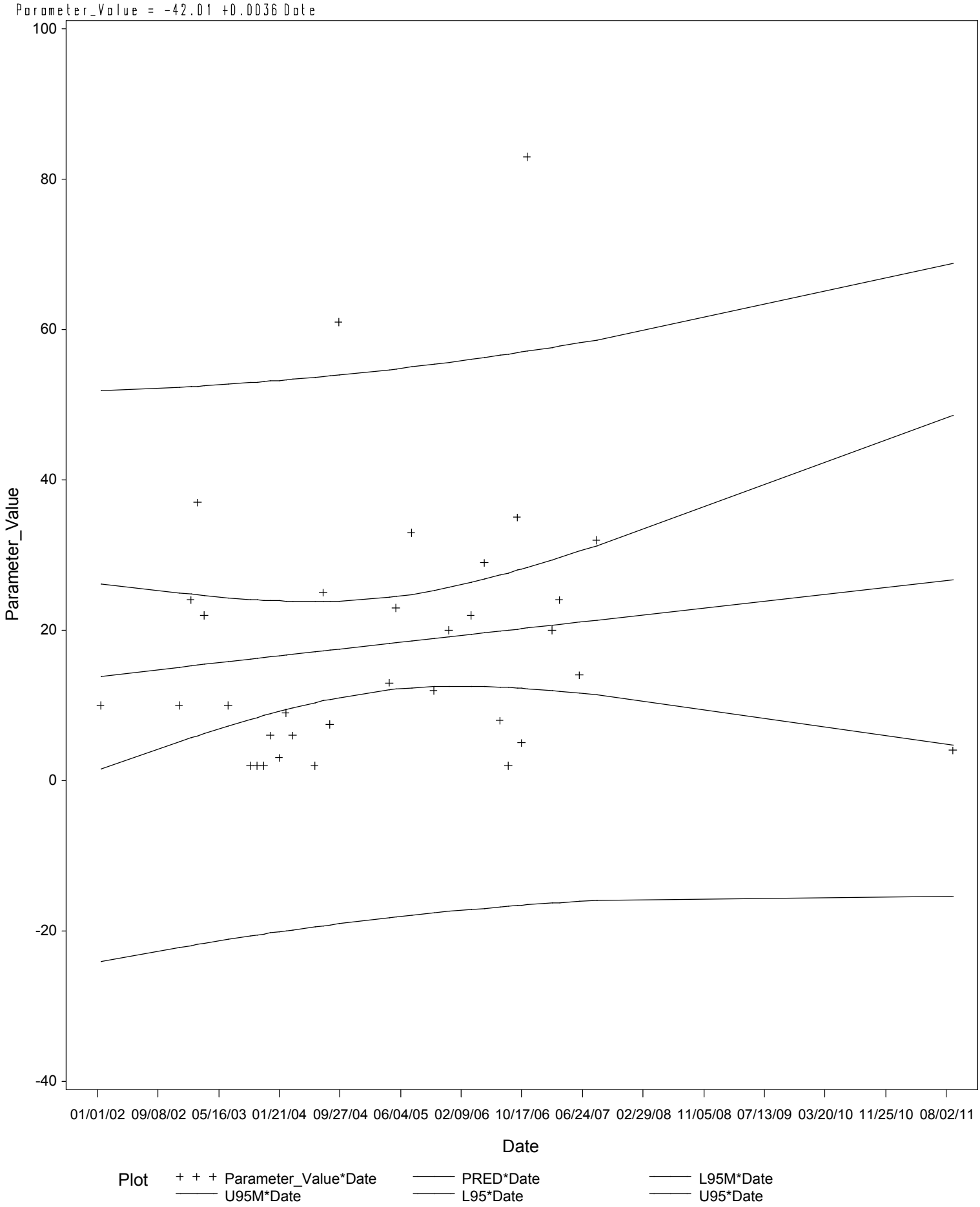
Rio Grande Below International Dam

Parameter=CHLOROPHYLL-A, UG/L Station=15528



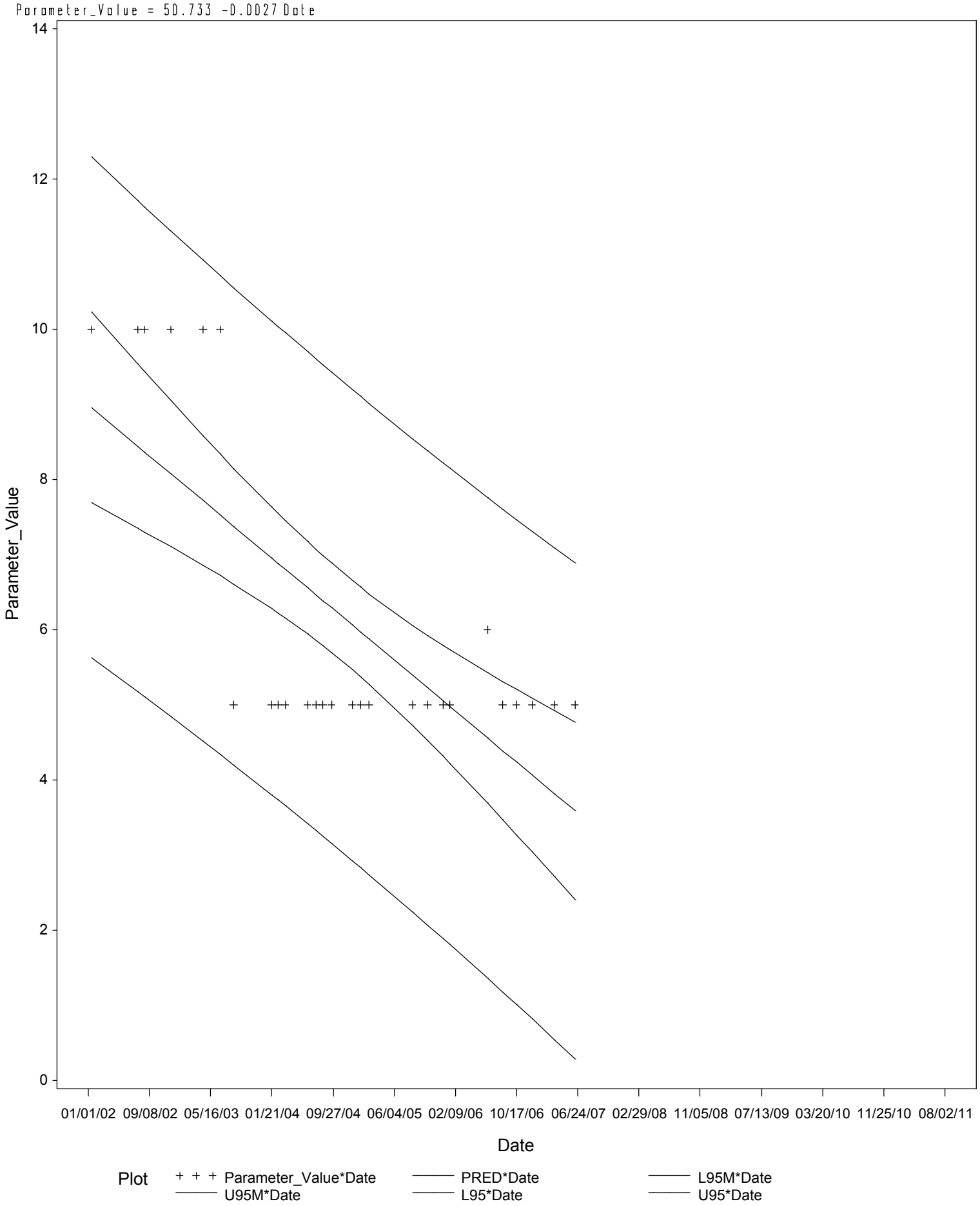
Rio Grande Below International Dam

Parameter=CHLOROPHYLL-A, UG/L Station=15529



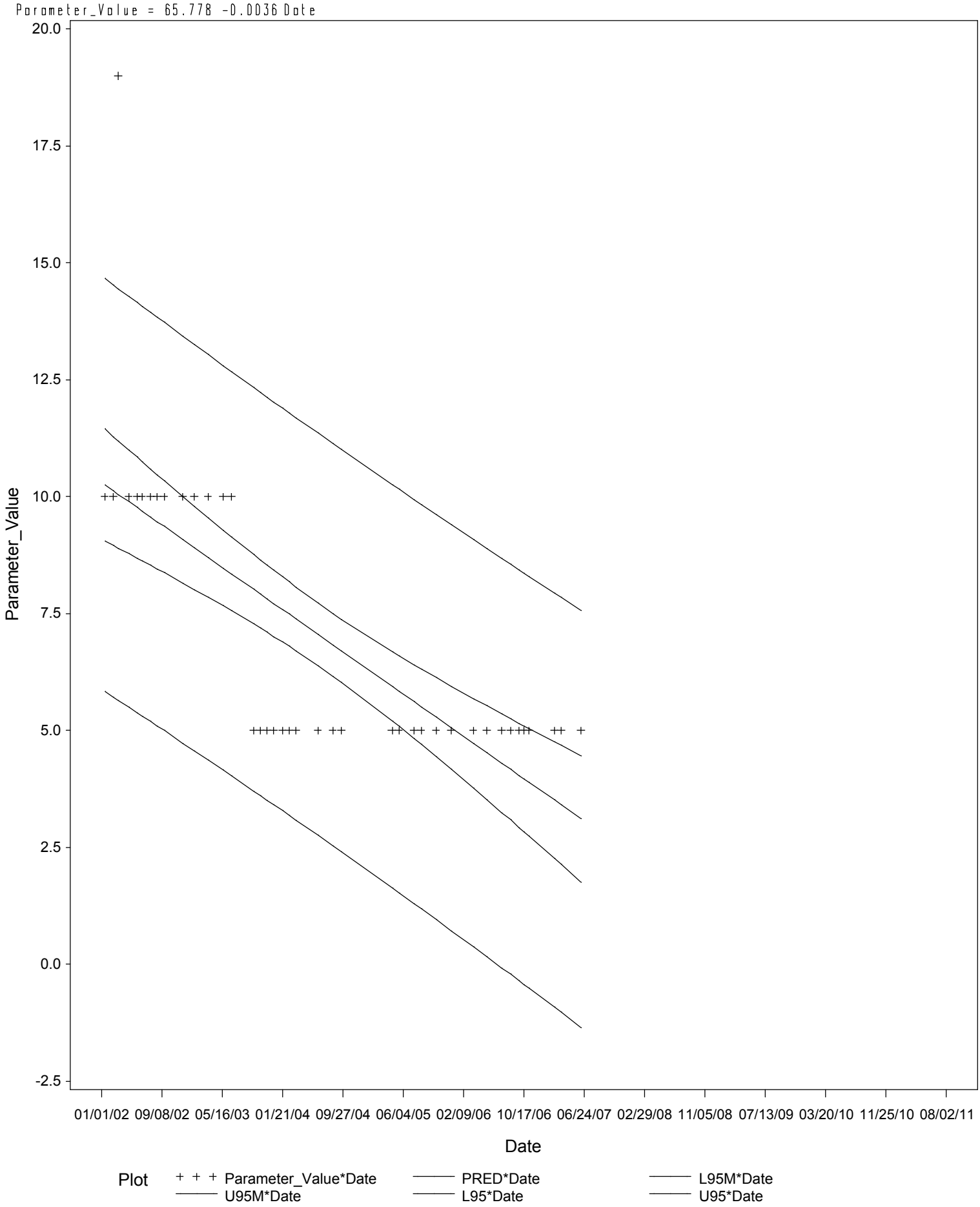
Rio Grande Below International Dam

Parameter=CHROMIUM, DISSOLVED (UG/L AS CR) Station=14465



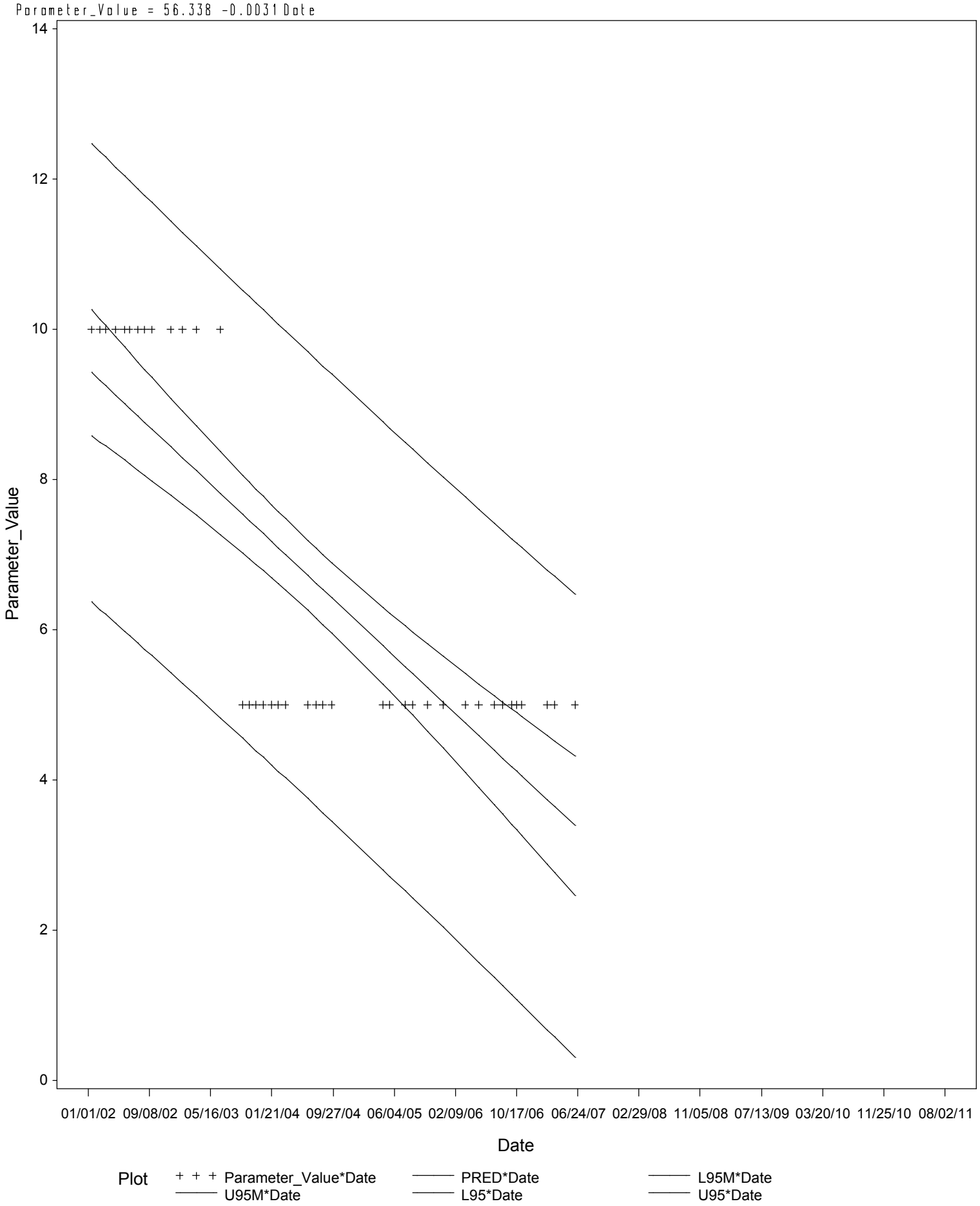
Rio Grande Below International Dam

Parameter=CHROMIUM, DISSOLVED (UG/L AS CR) Station=15528



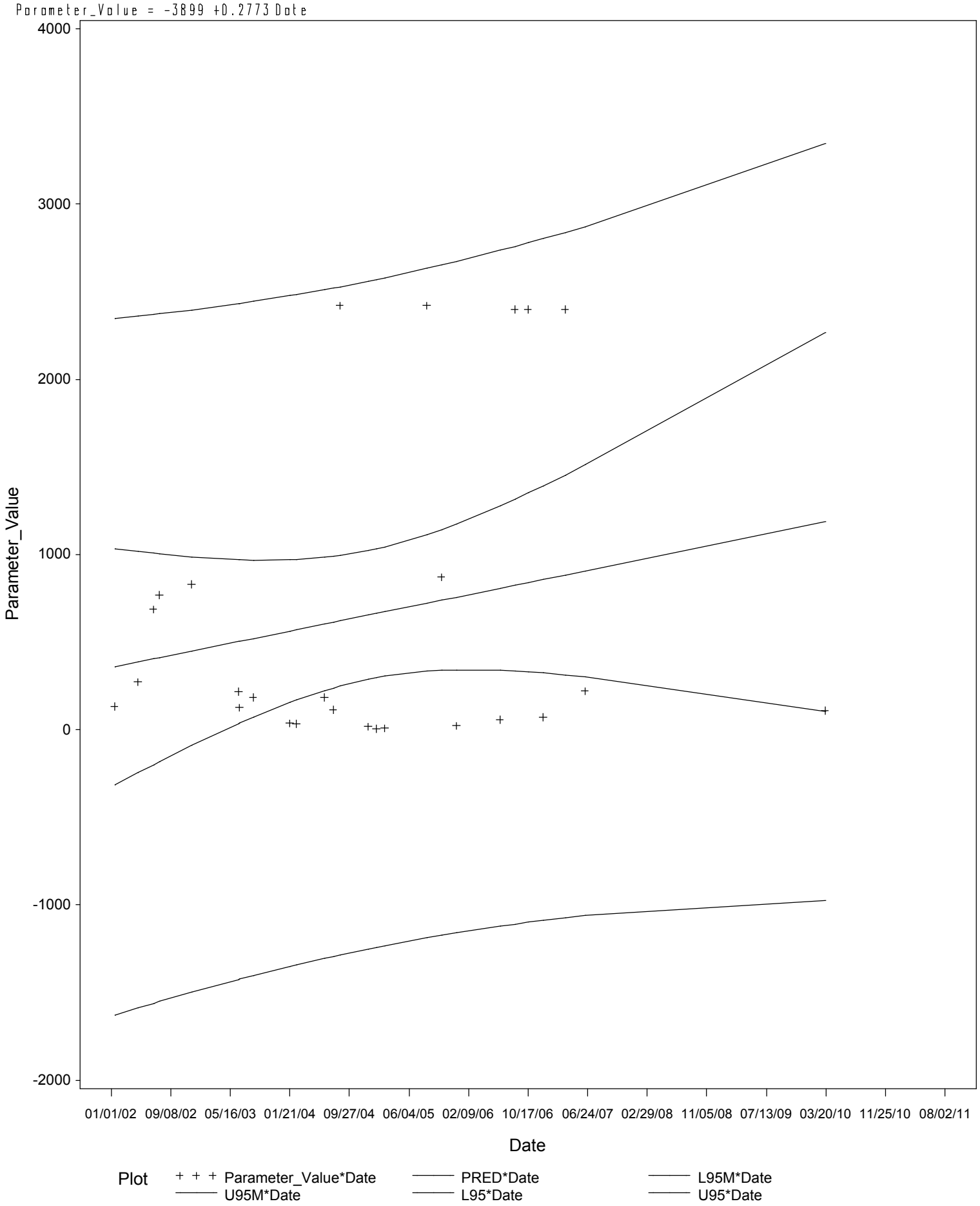
Rio Grande Below International Dam

Parameter=CHROMIUM, DISSOLVED (UG/L AS CR) Station=15529



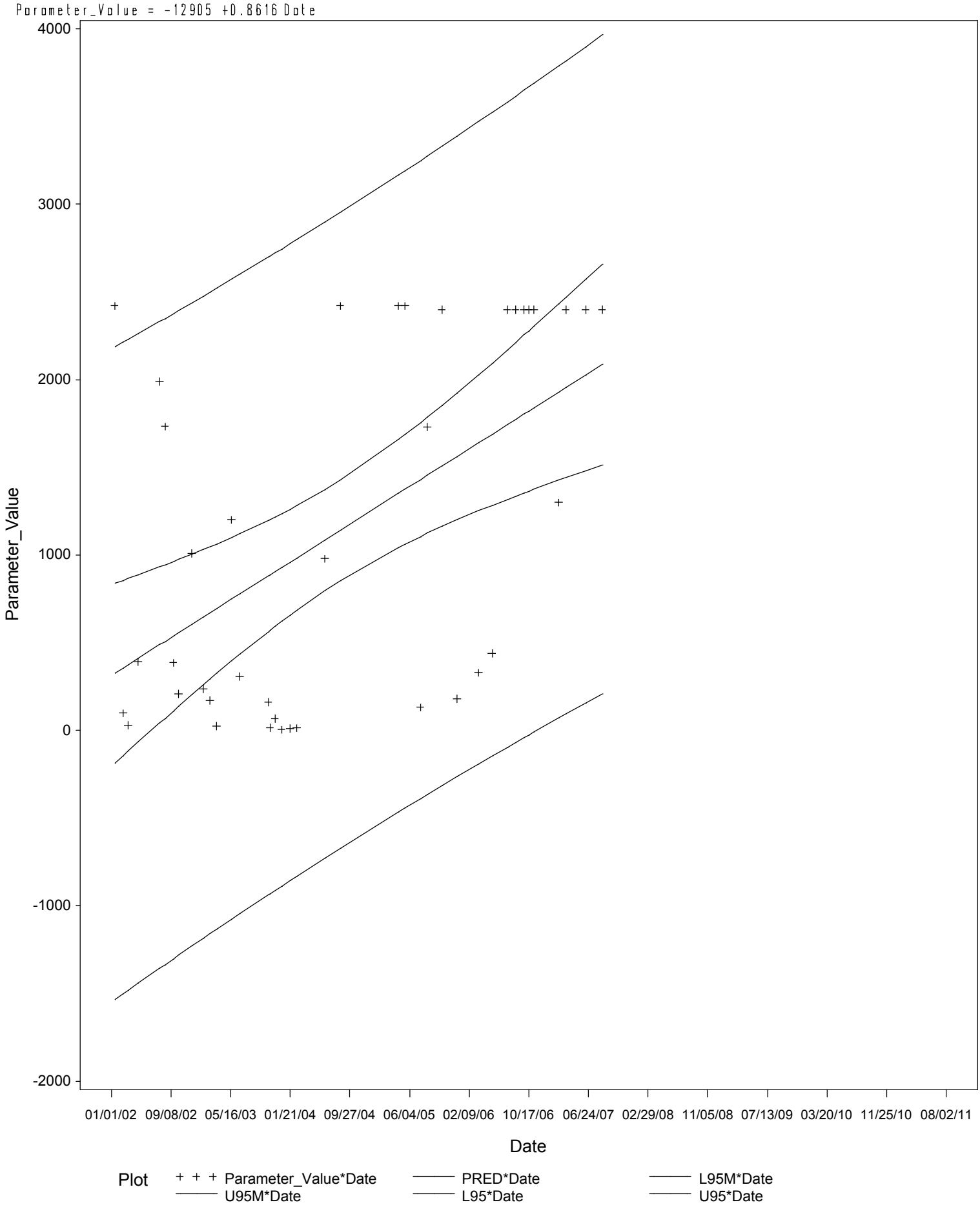
Rio Grande Below International Dam

Parameter=E. COLI, MPN/100ML Station=14465



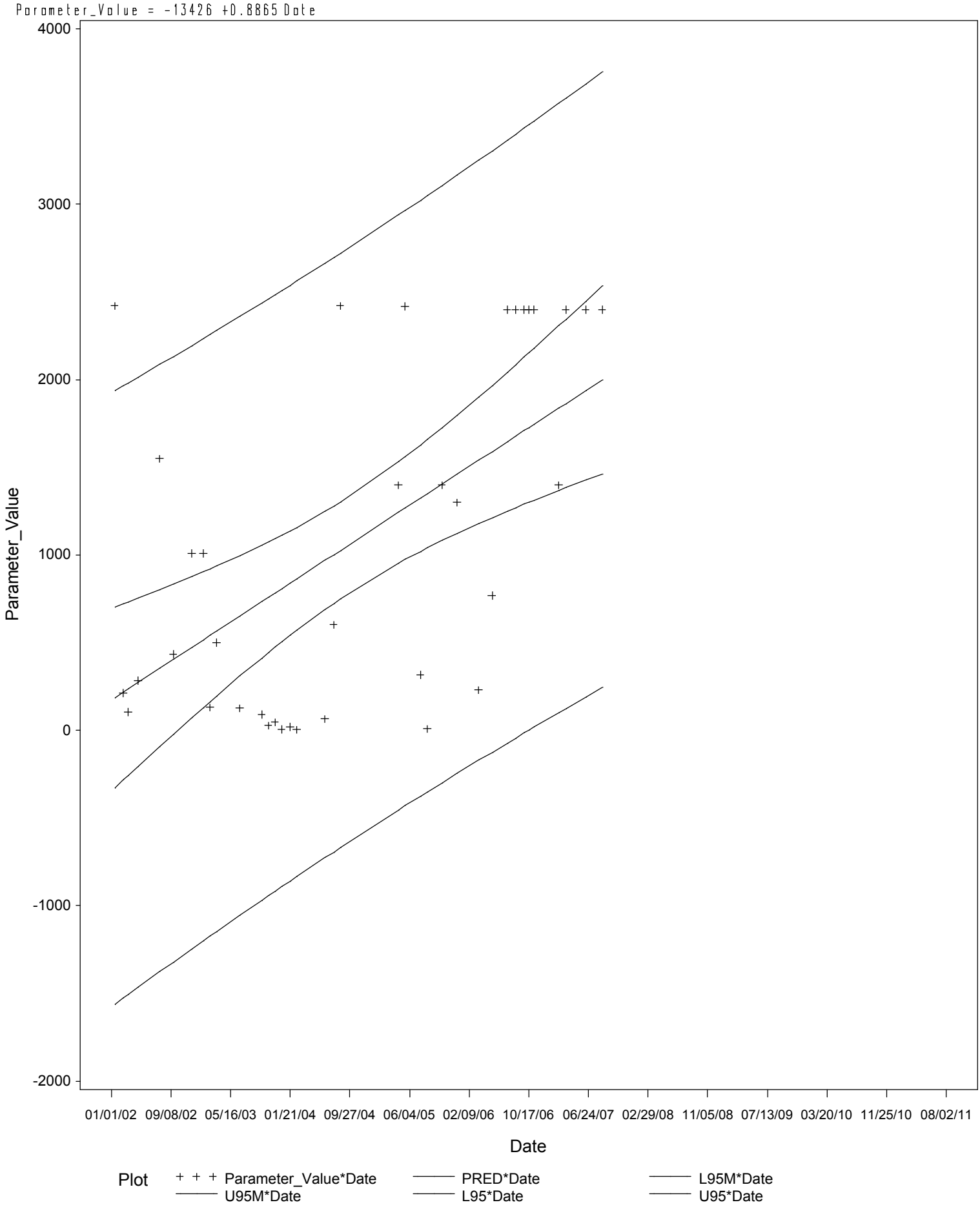
Rio Grande Below International Dam

Parameter=E. COLI, MPN/100ML Station=15528



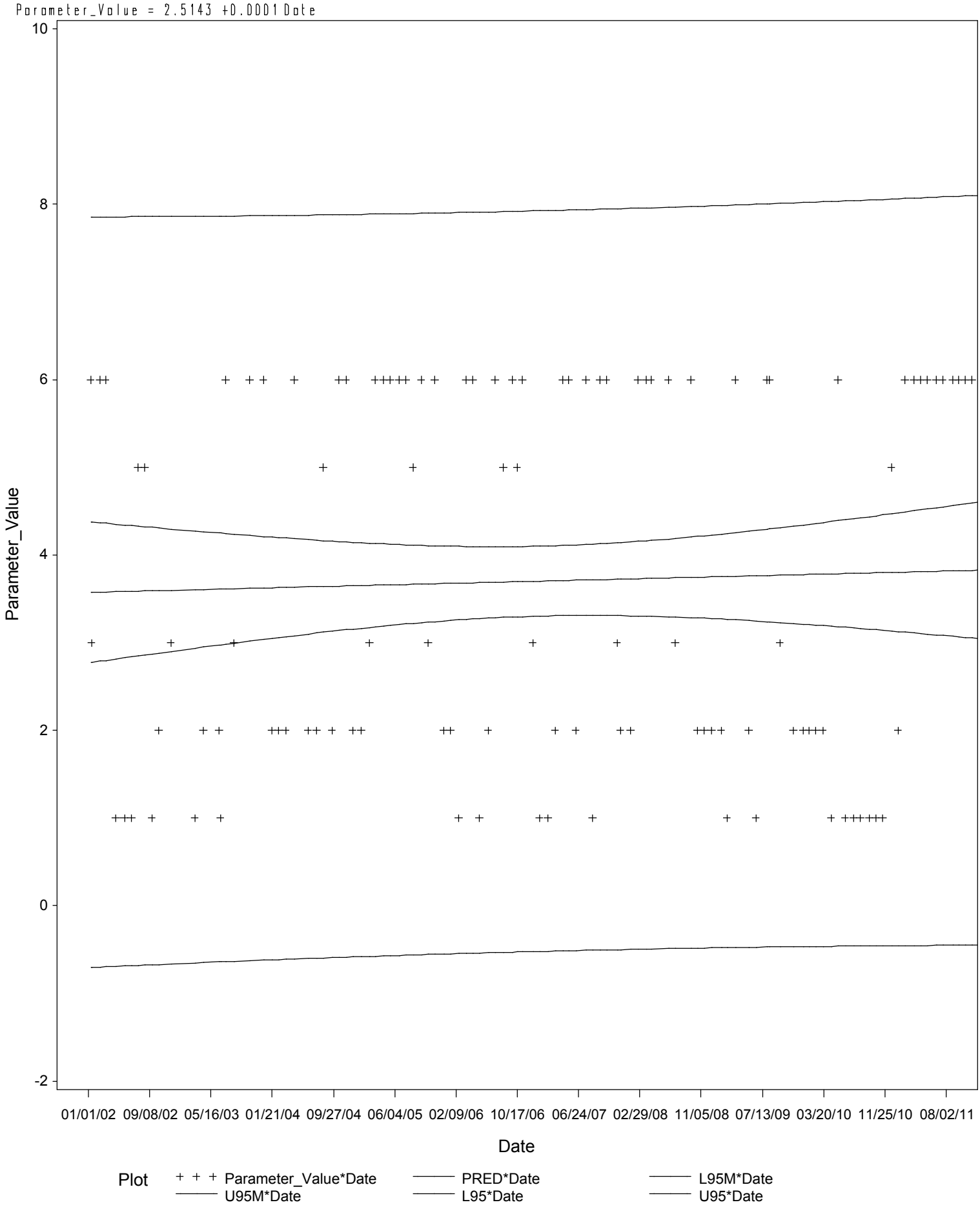
Rio Grande Below International Dam

Parameter=E. COLI, MPN/100ML Station=15529



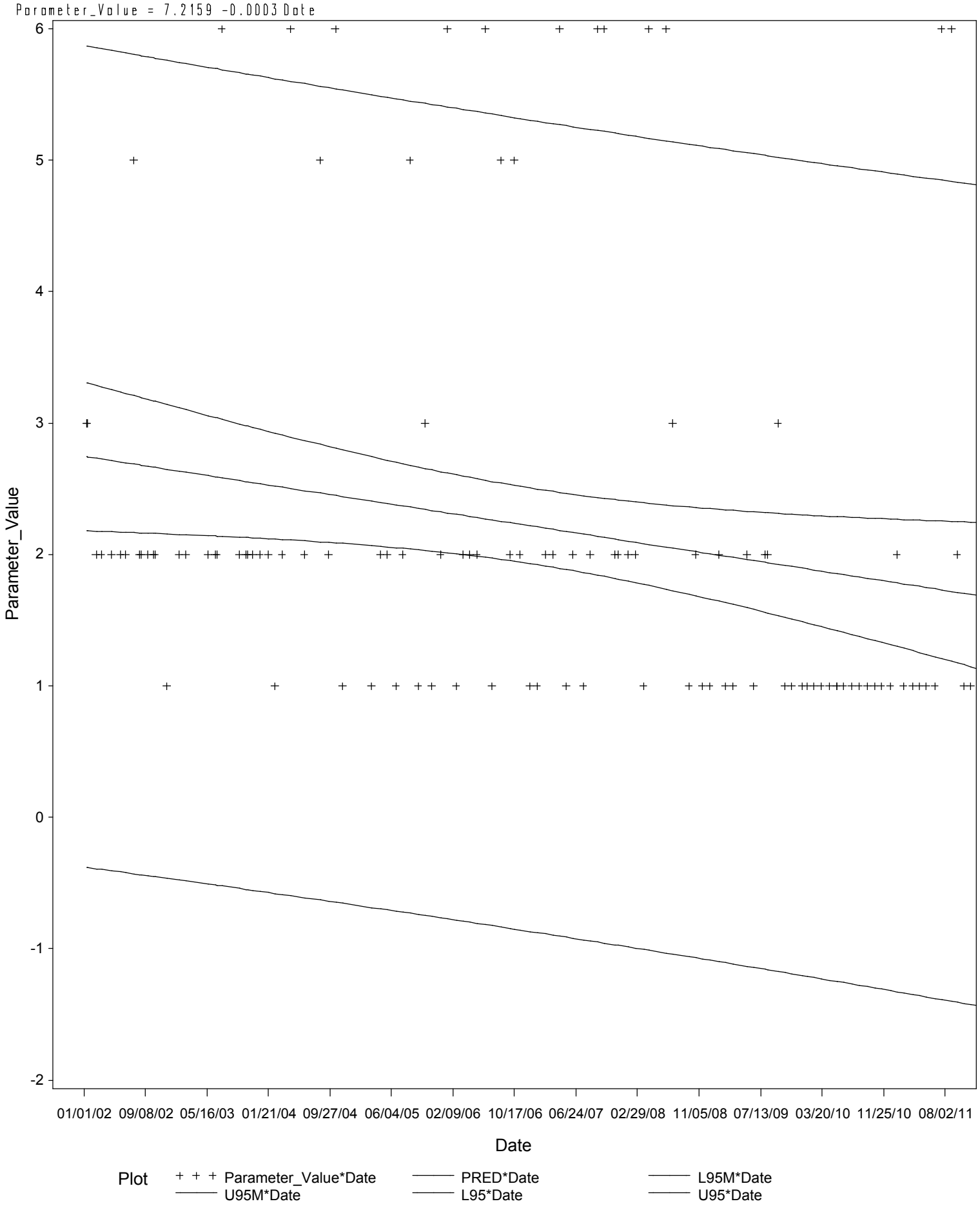
Rio Grande Below International Dam

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=14465



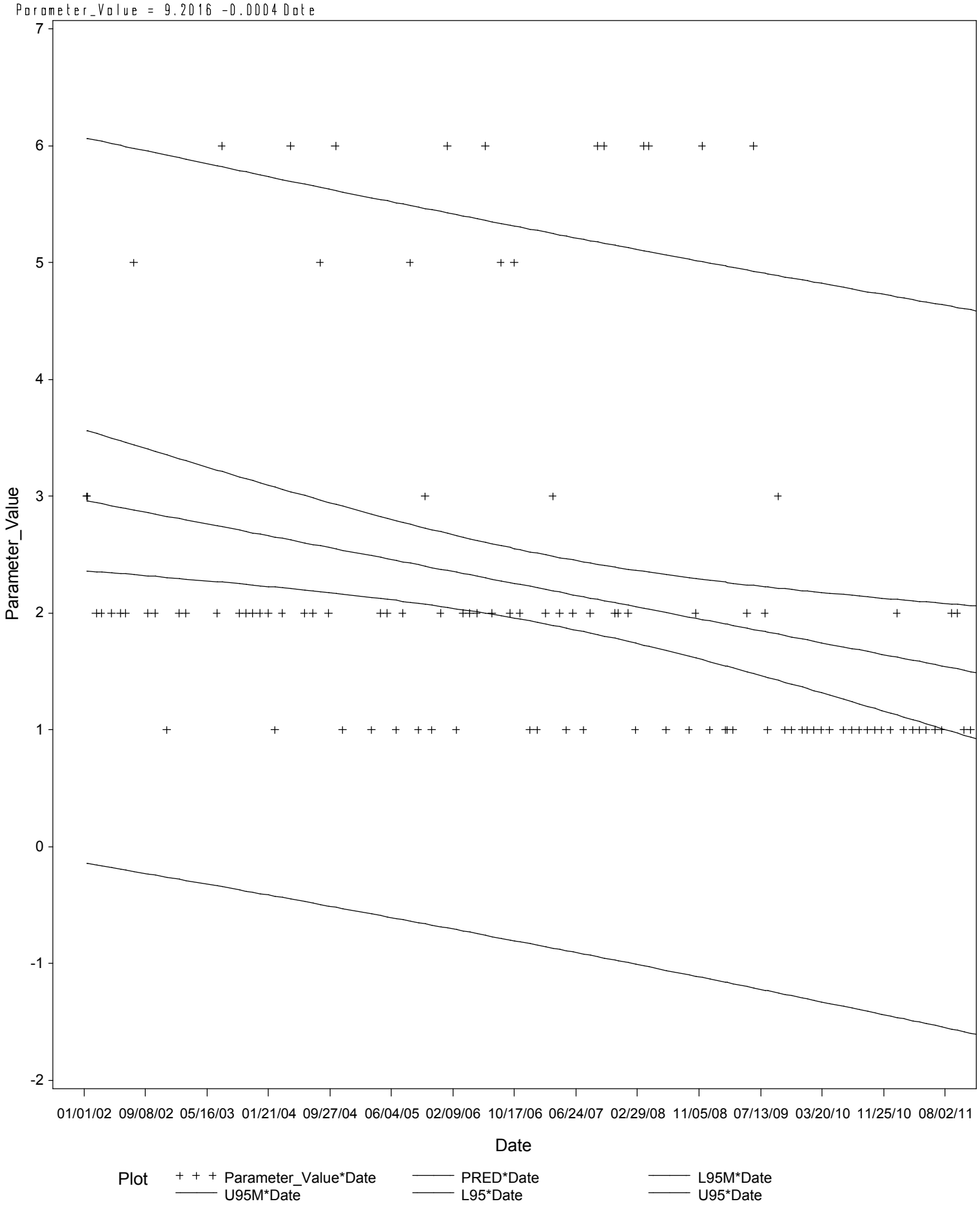
Rio Grande Below International Dam

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=15528



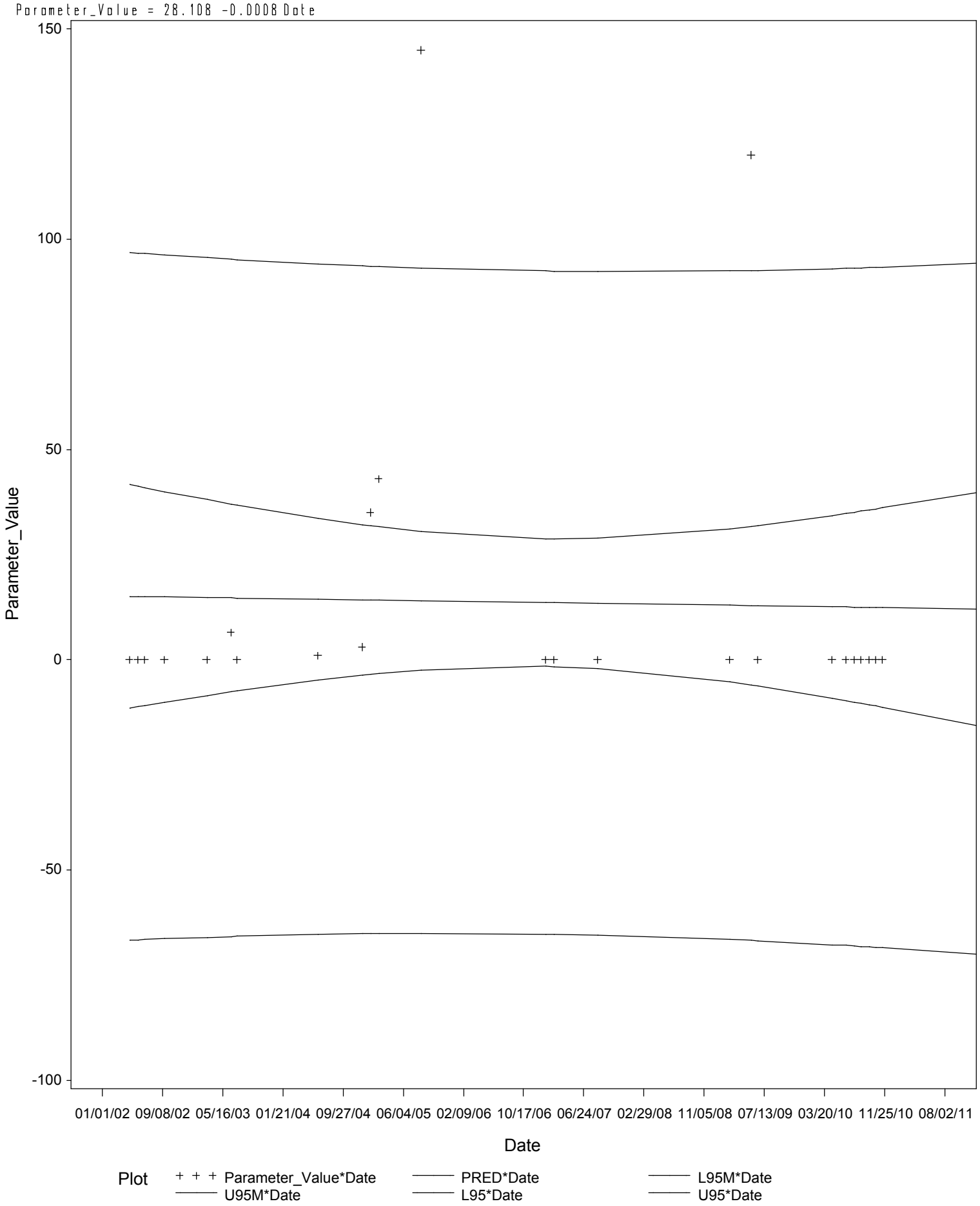
Rio Grande Below International Dam

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=15529



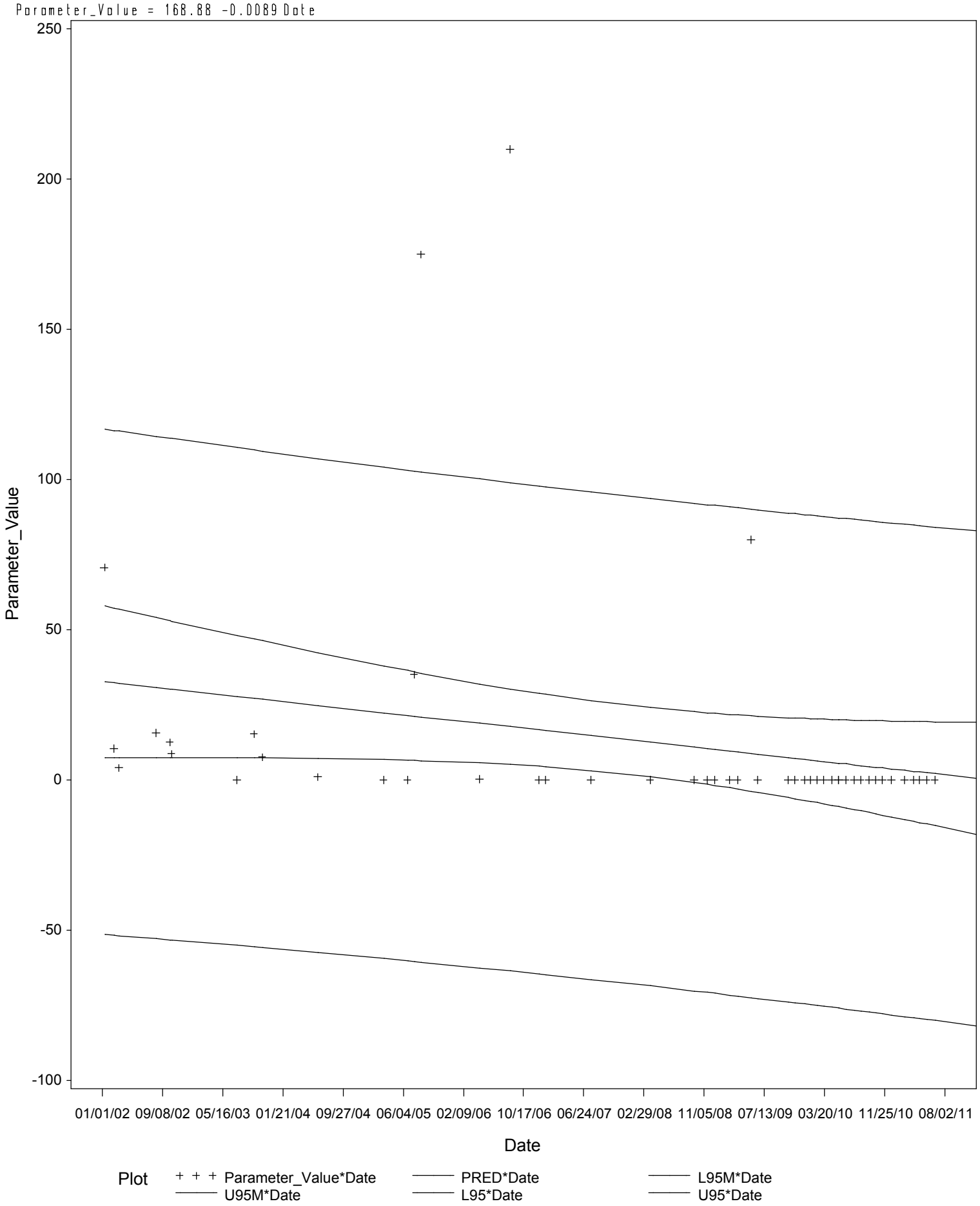
Rio Grande Below International Dam

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=14465



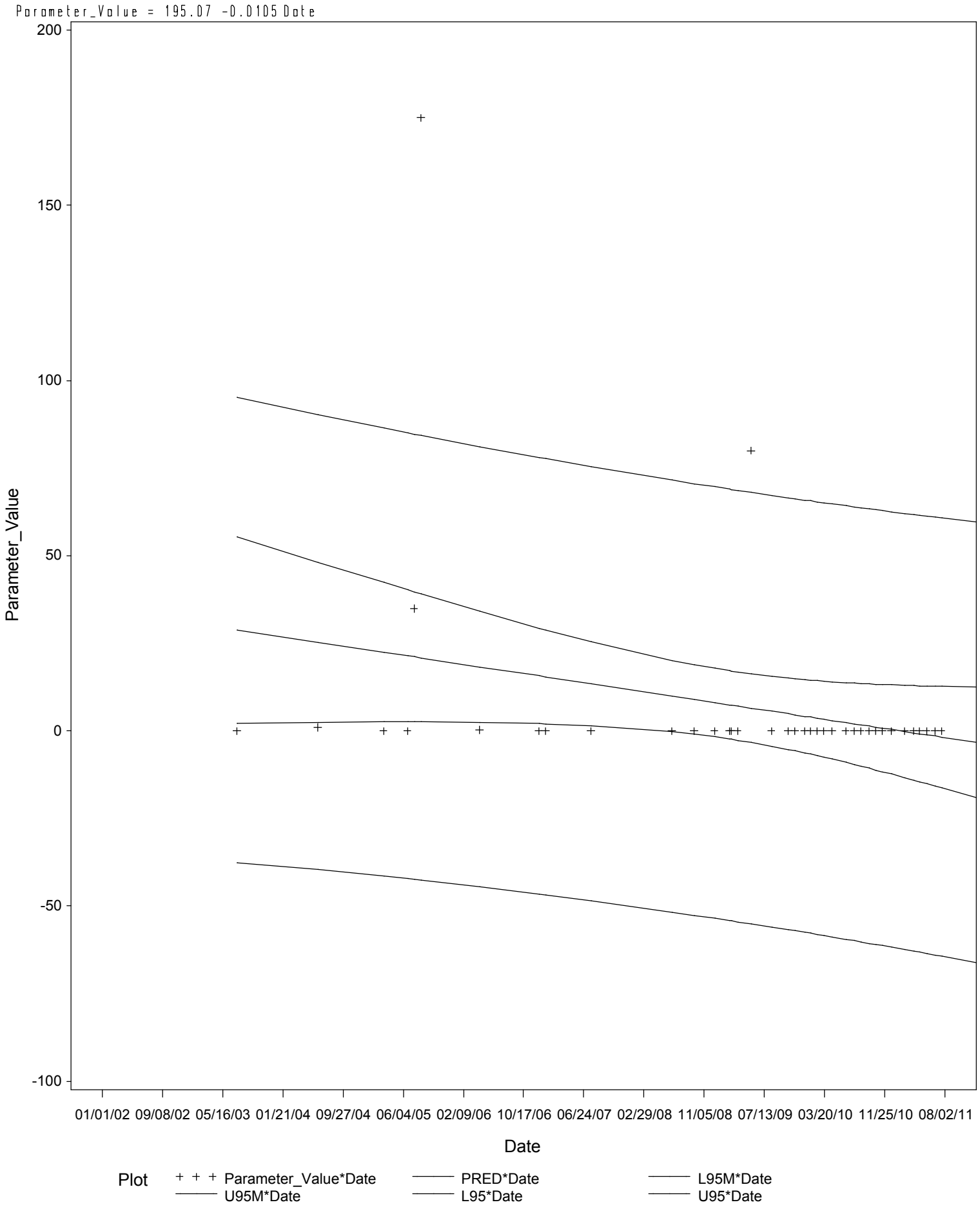
Rio Grande Below International Dam

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=15528



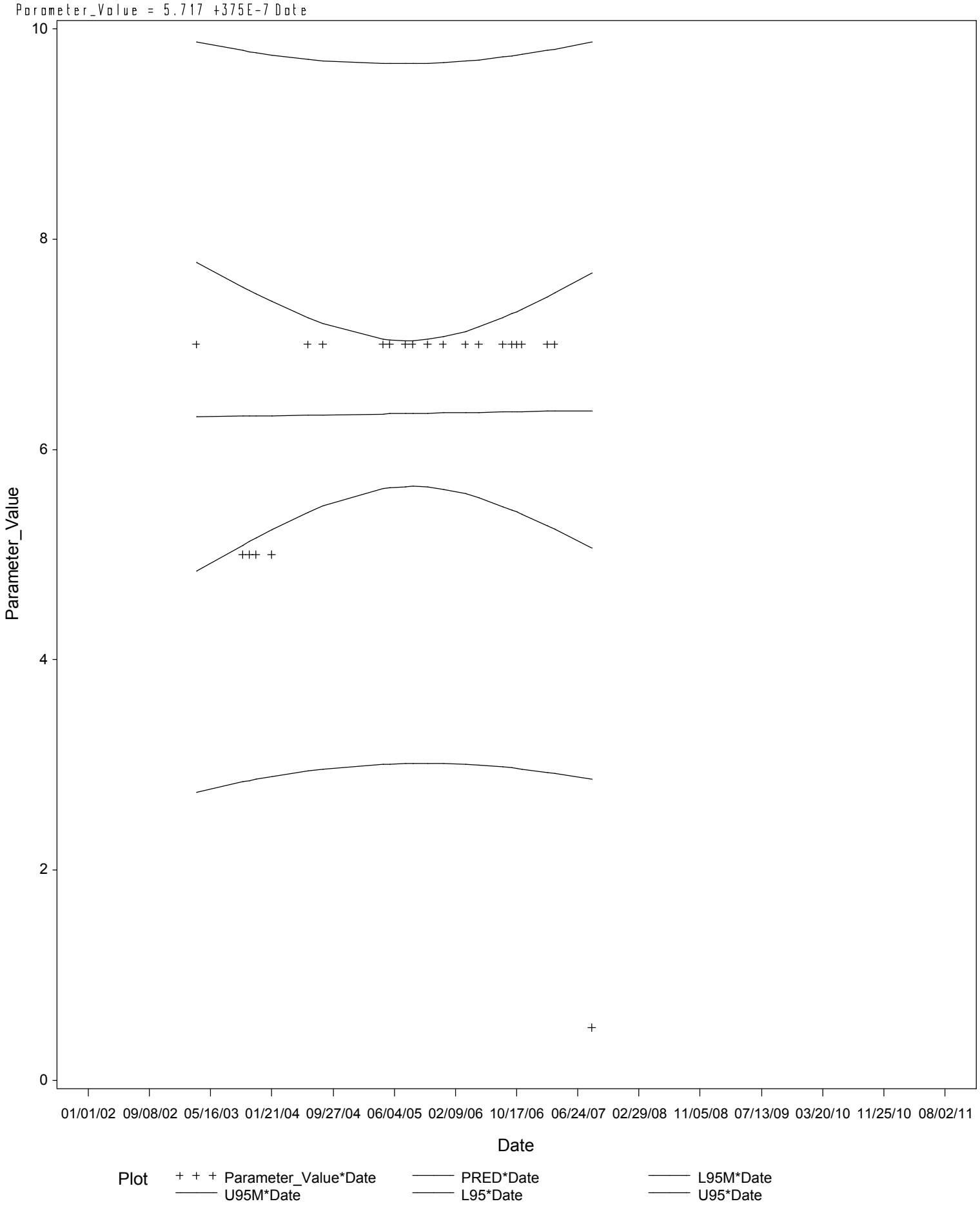
Rio Grande Below International Dam

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=15529



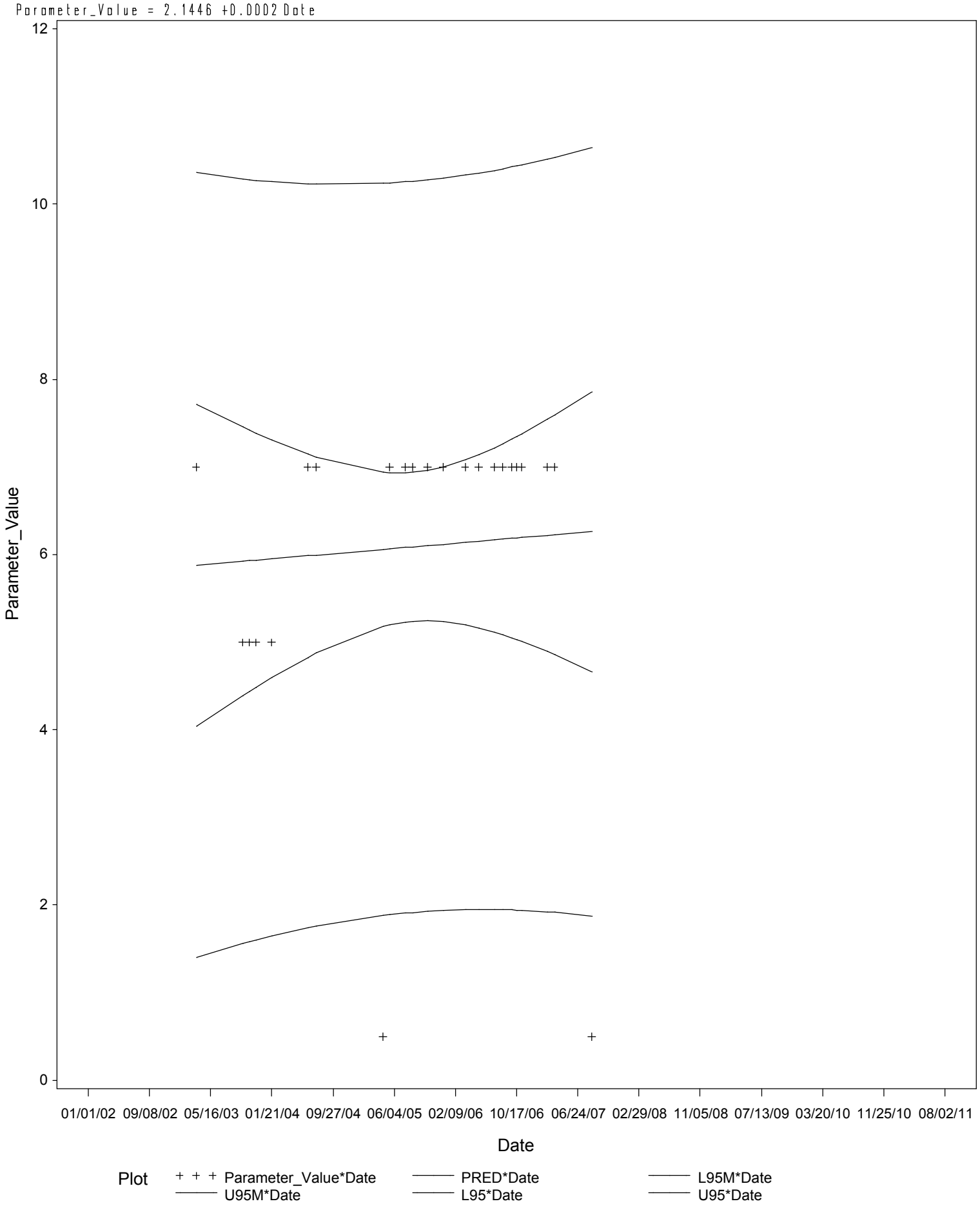
Rio Grande Below International Dam

Parameter=METHYL-TERT-BUTYL ETHER (MTBE) WATER, TOTAL (UG/ Station=15528



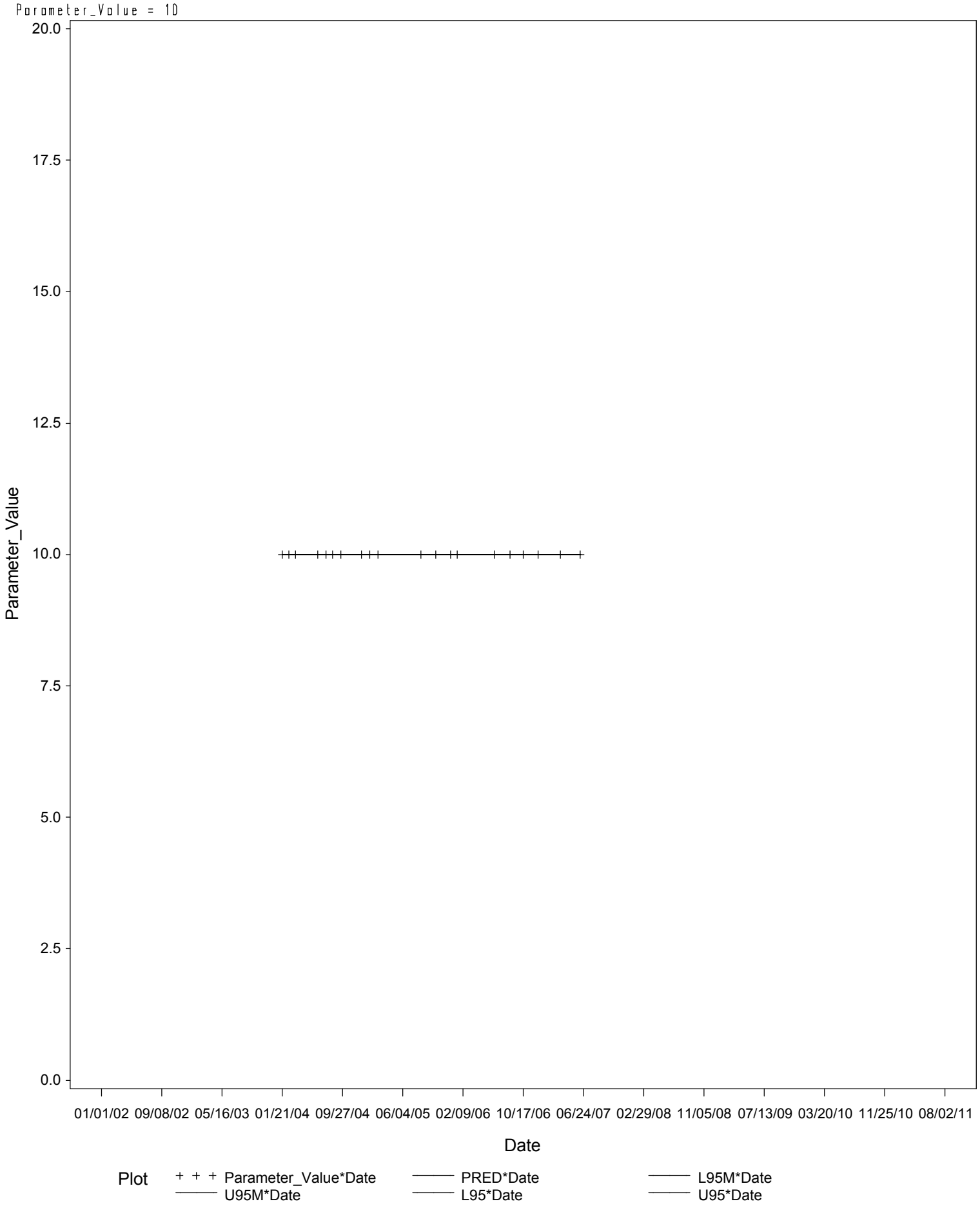
Rio Grande Below International Dam

Parameter=METHYL-TERT-BUTYL ETHER (MTBE) WATER, TOTAL (UG/ Station=15529



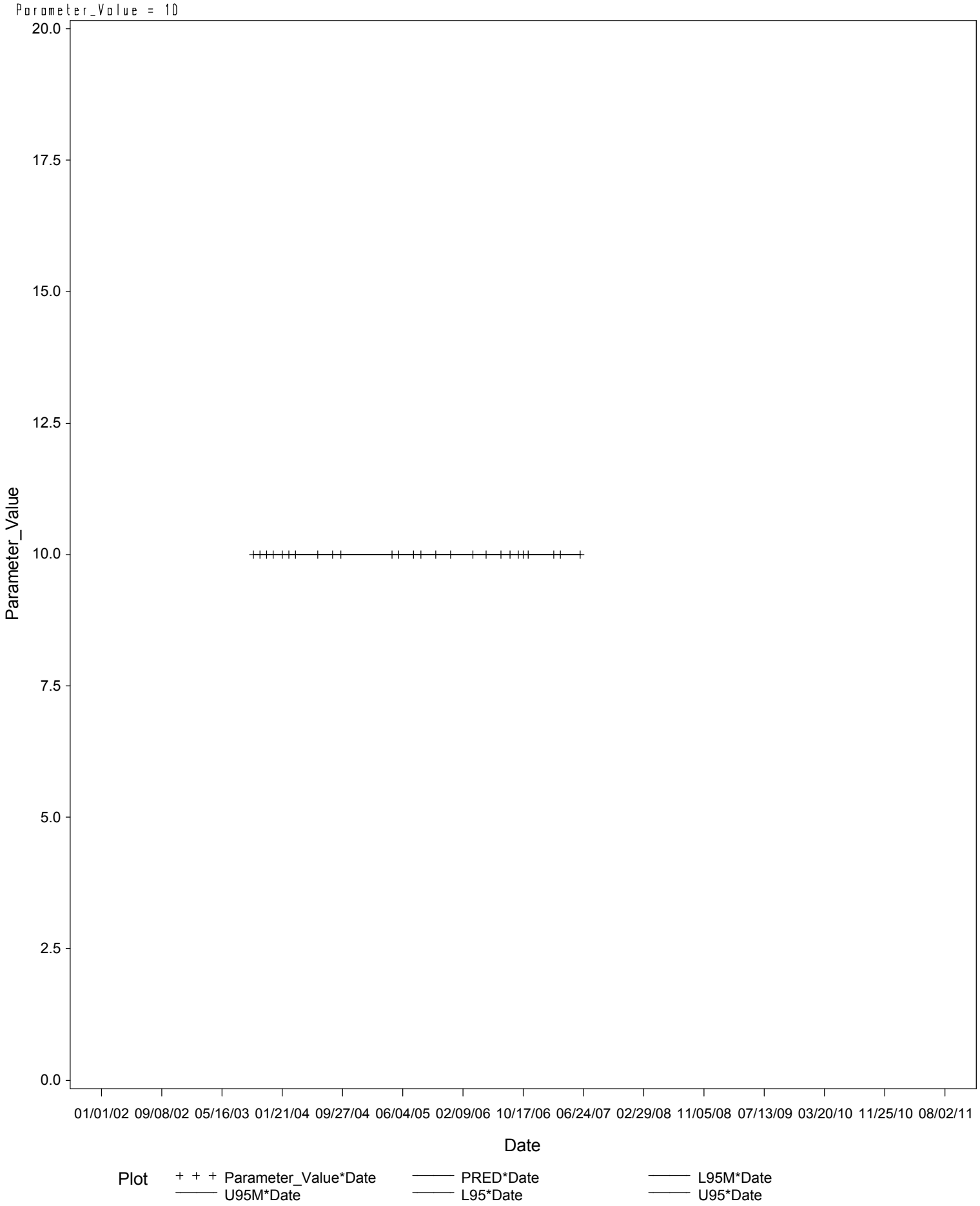
Rio Grande Below International Dam

Parameter=NICKEL, DISSOLVED (UG/L AS NI) Station=14465



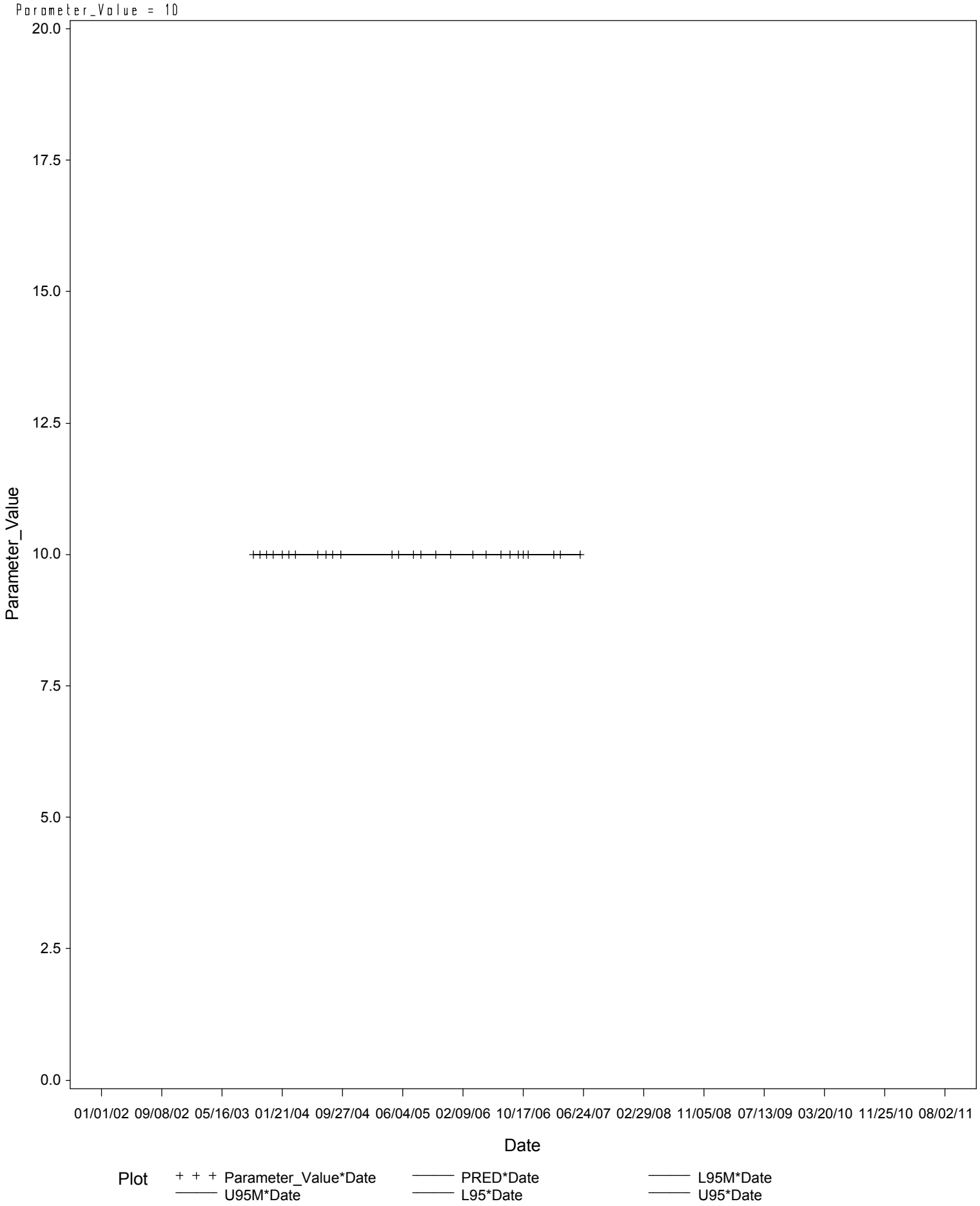
Rio Grande Below International Dam

Parameter=NICKEL, DISSOLVED (UG/L AS NI) Station=15528



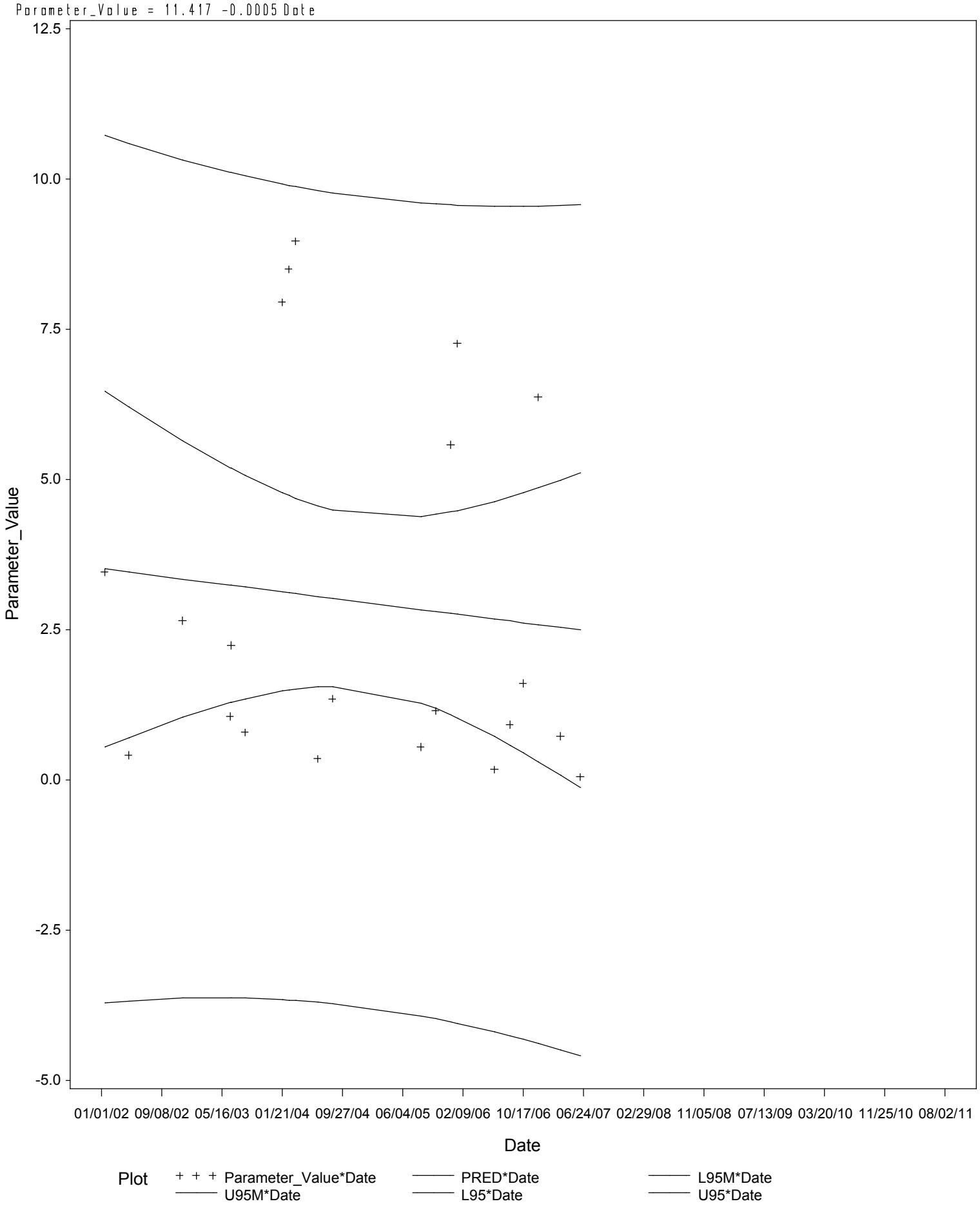
Rio Grande Below International Dam

Parameter=NICKEL, DISSOLVED (UG/L AS NI) Station=15529



Rio Grande Below International Dam

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=14465



Rio Grande Below International Dam

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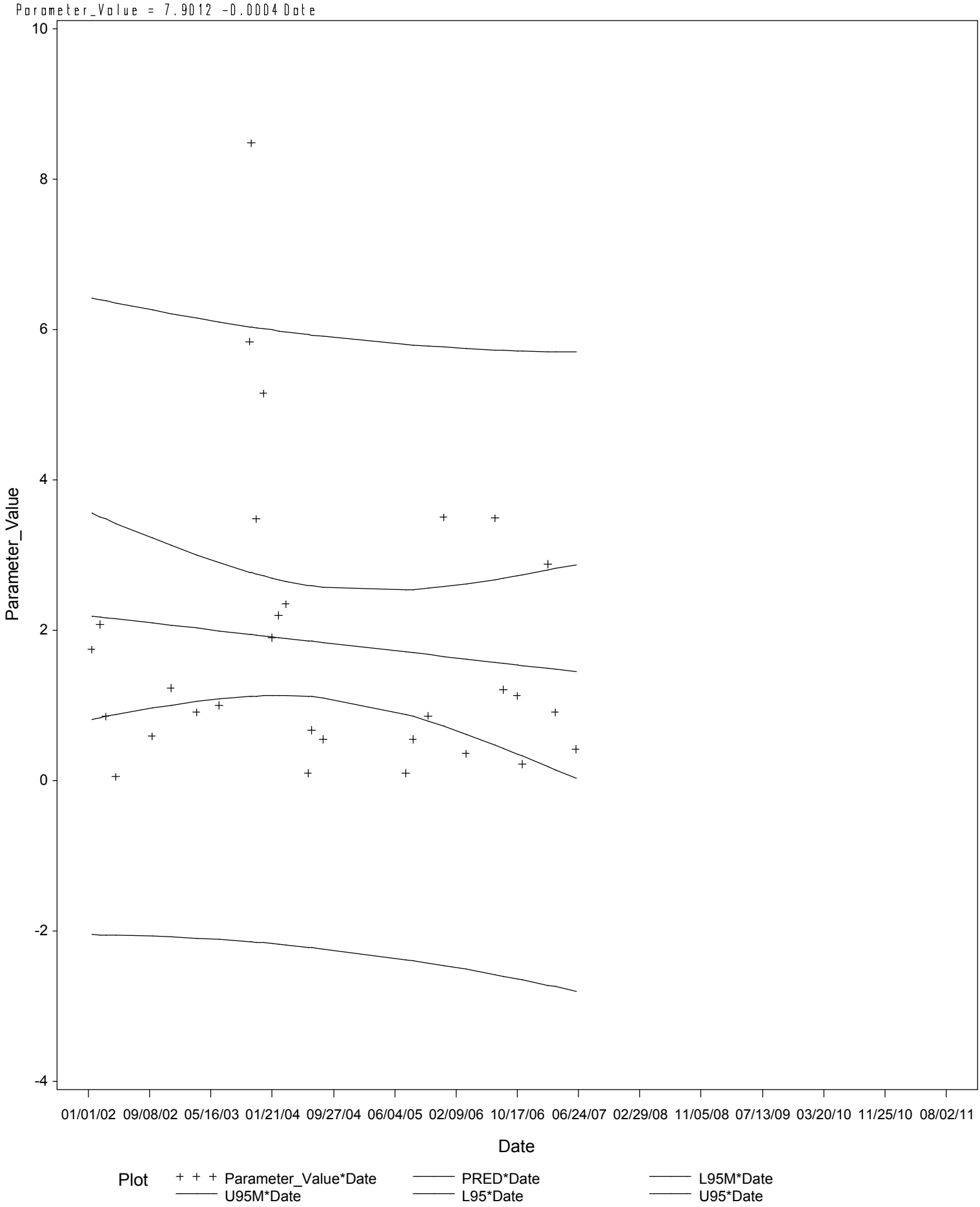
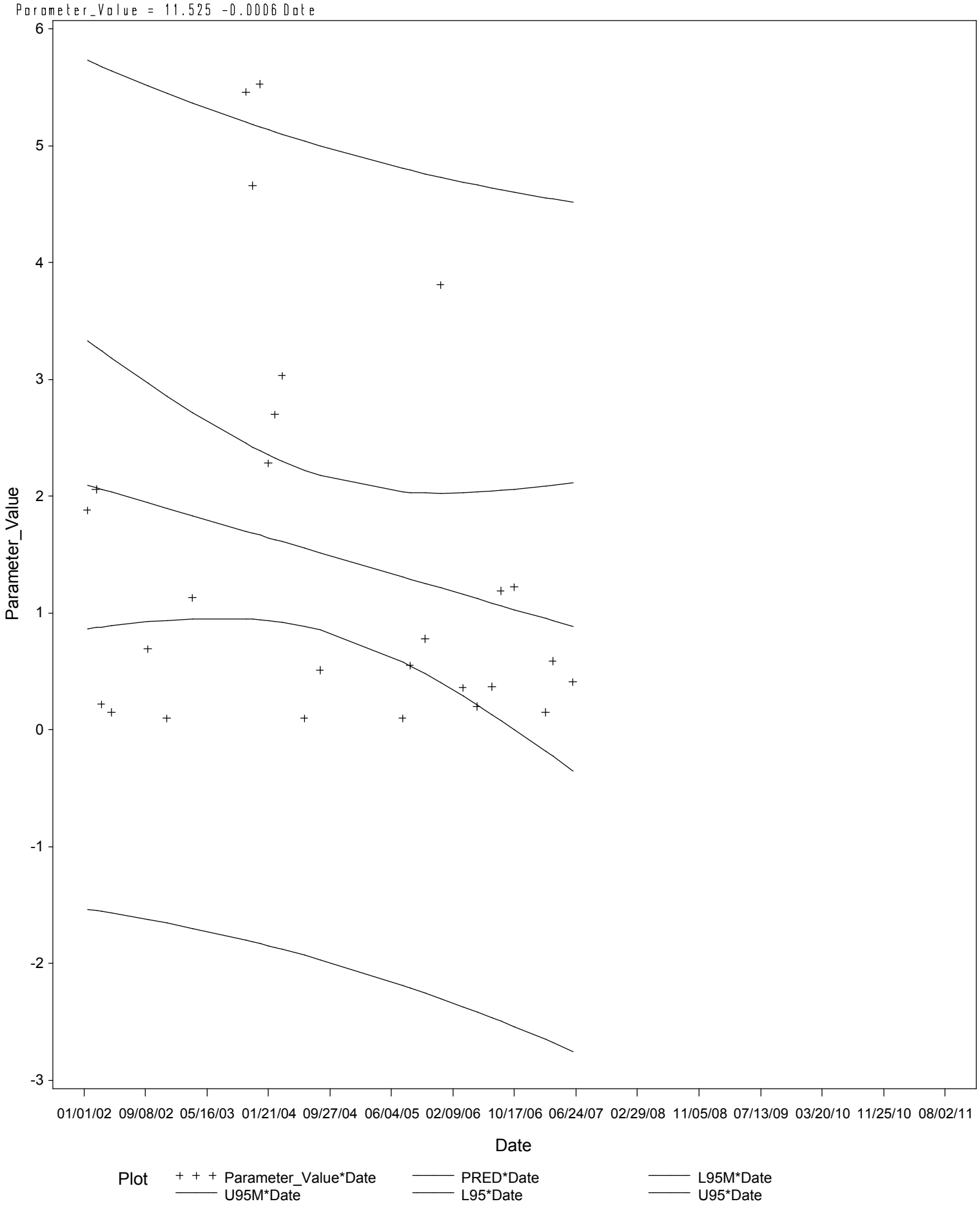


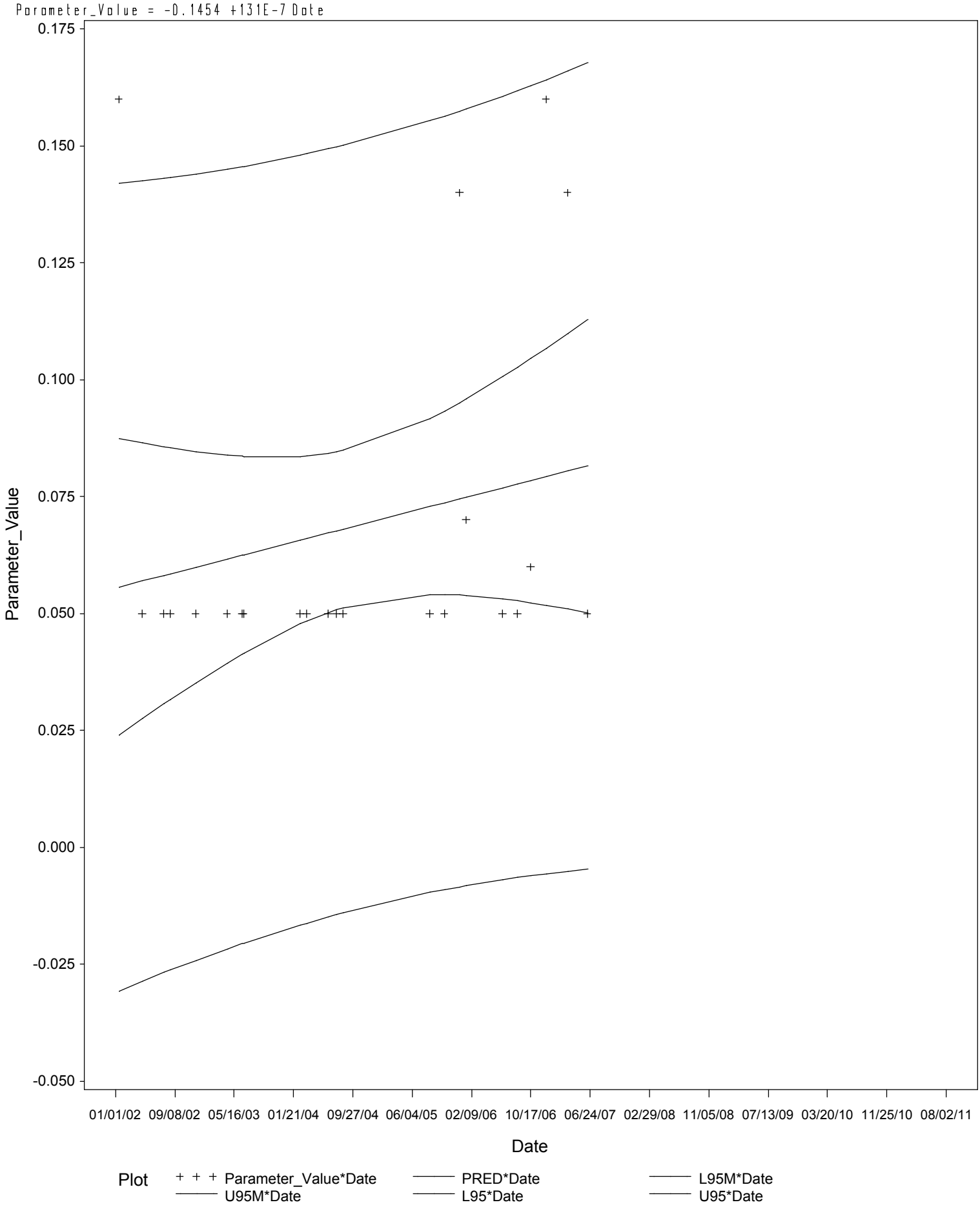
Rio Grande Below International Dam

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=15529



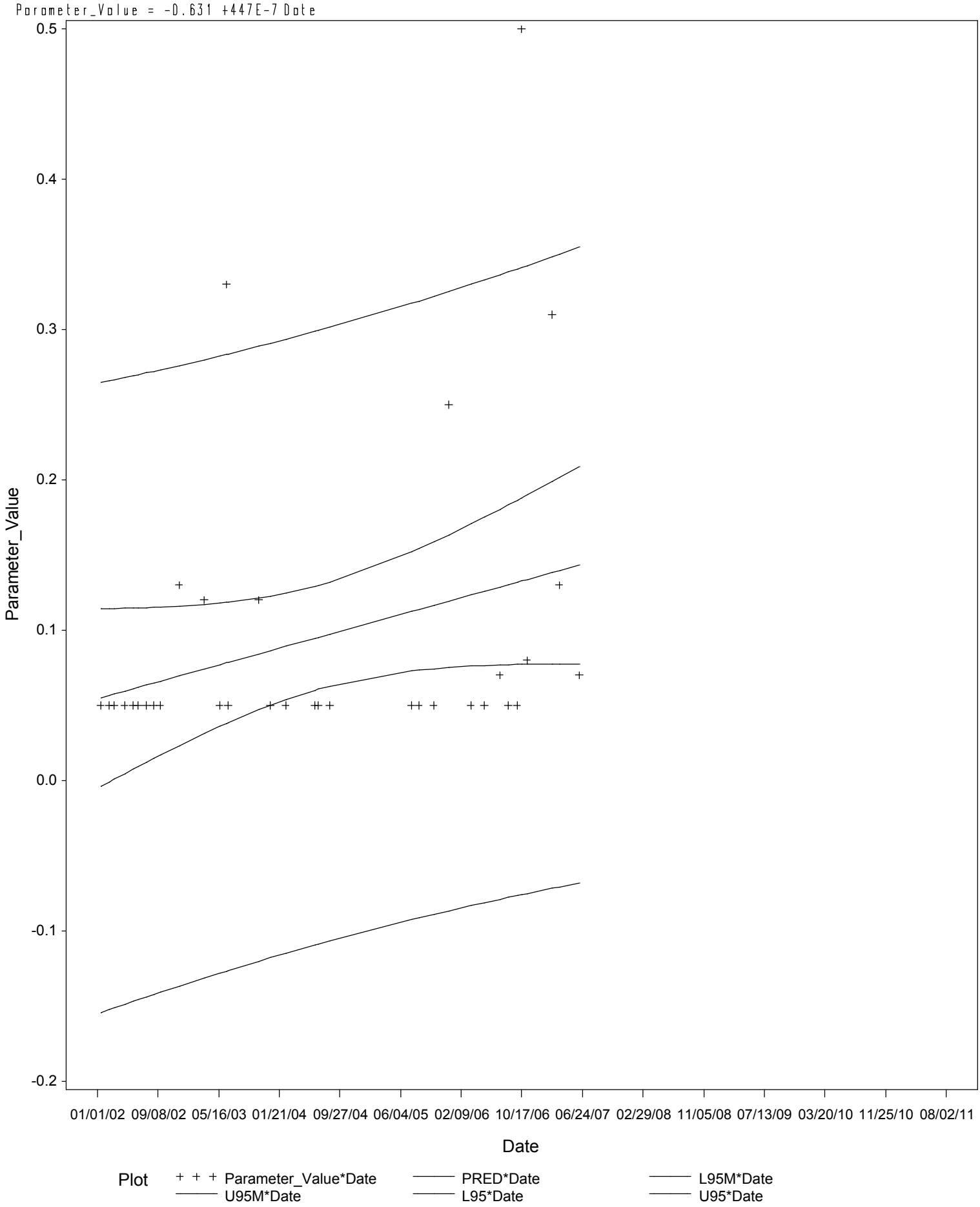
Rio Grande Below International Dam

Parameter=NITRITE NITROGEN, (MG/L AS N) Station=14465



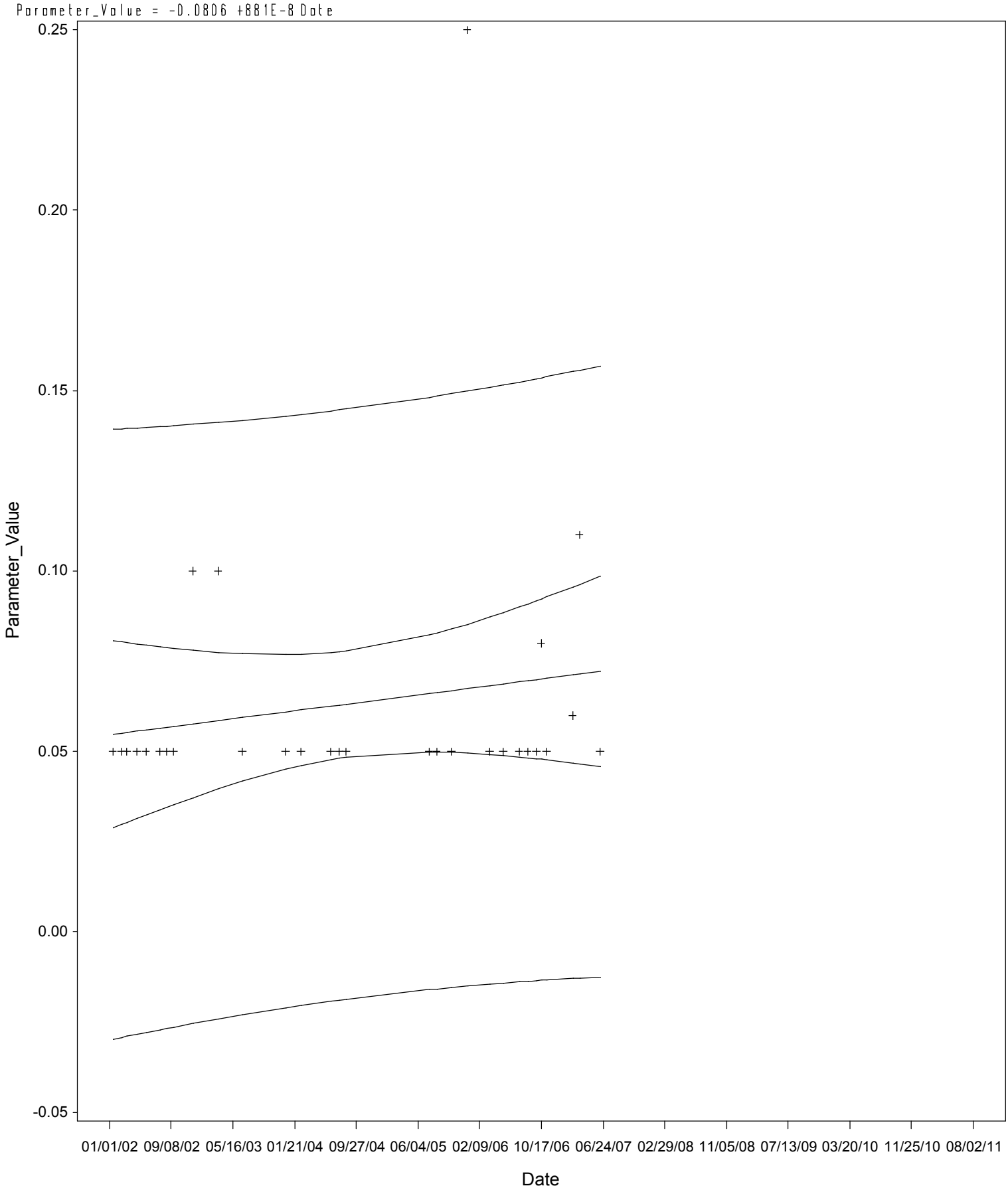
Rio Grande Below International Dam

Parameter=NITRITE NITROGEN, (MG/L AS N) Station=15528



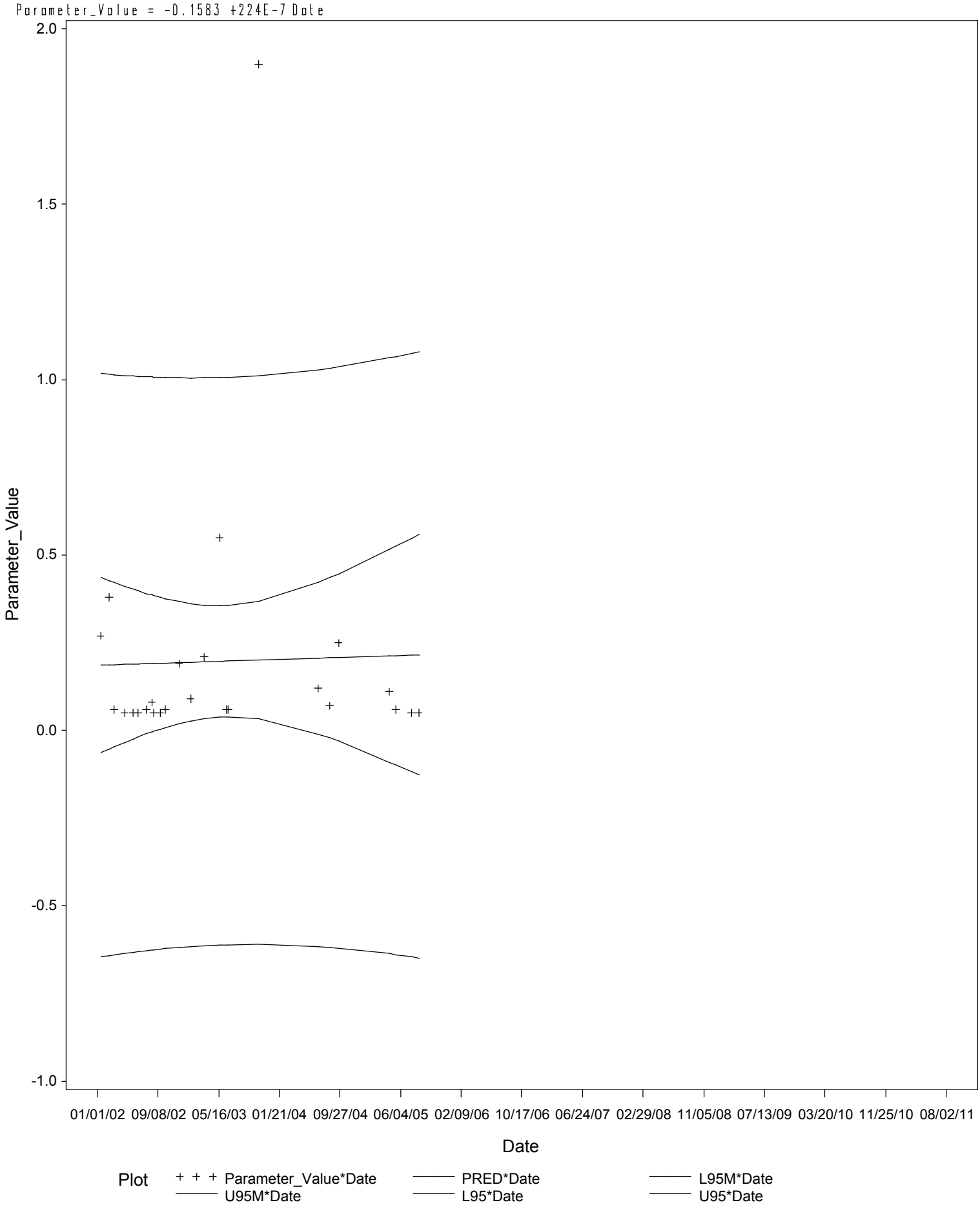
Rio Grande Below International Dam

Parameter=NITRITE NITROGEN, (MG/L AS N) Station=15529



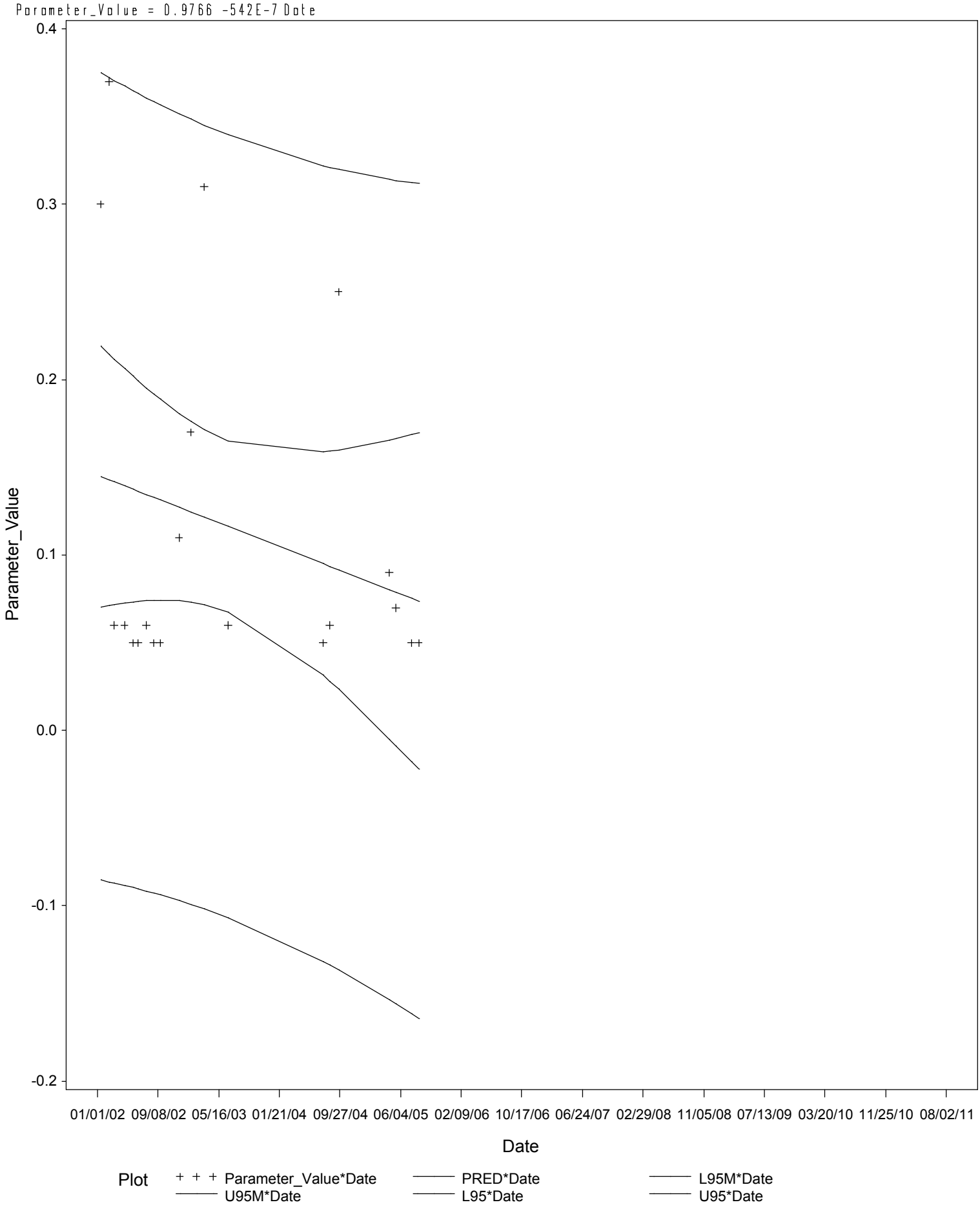
Rio Grande Below International Dam

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=15528



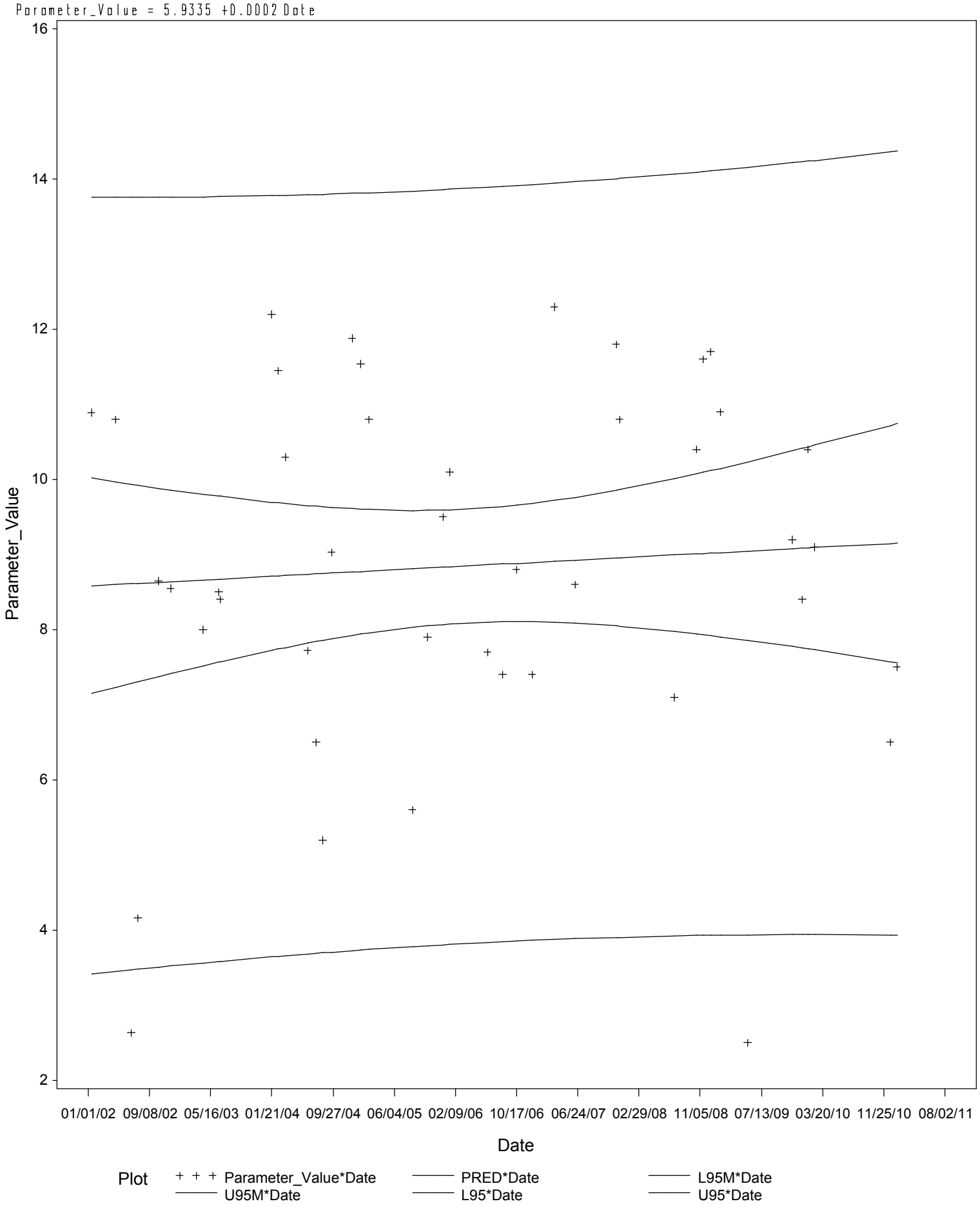
Rio Grande Below International Dam

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=15529



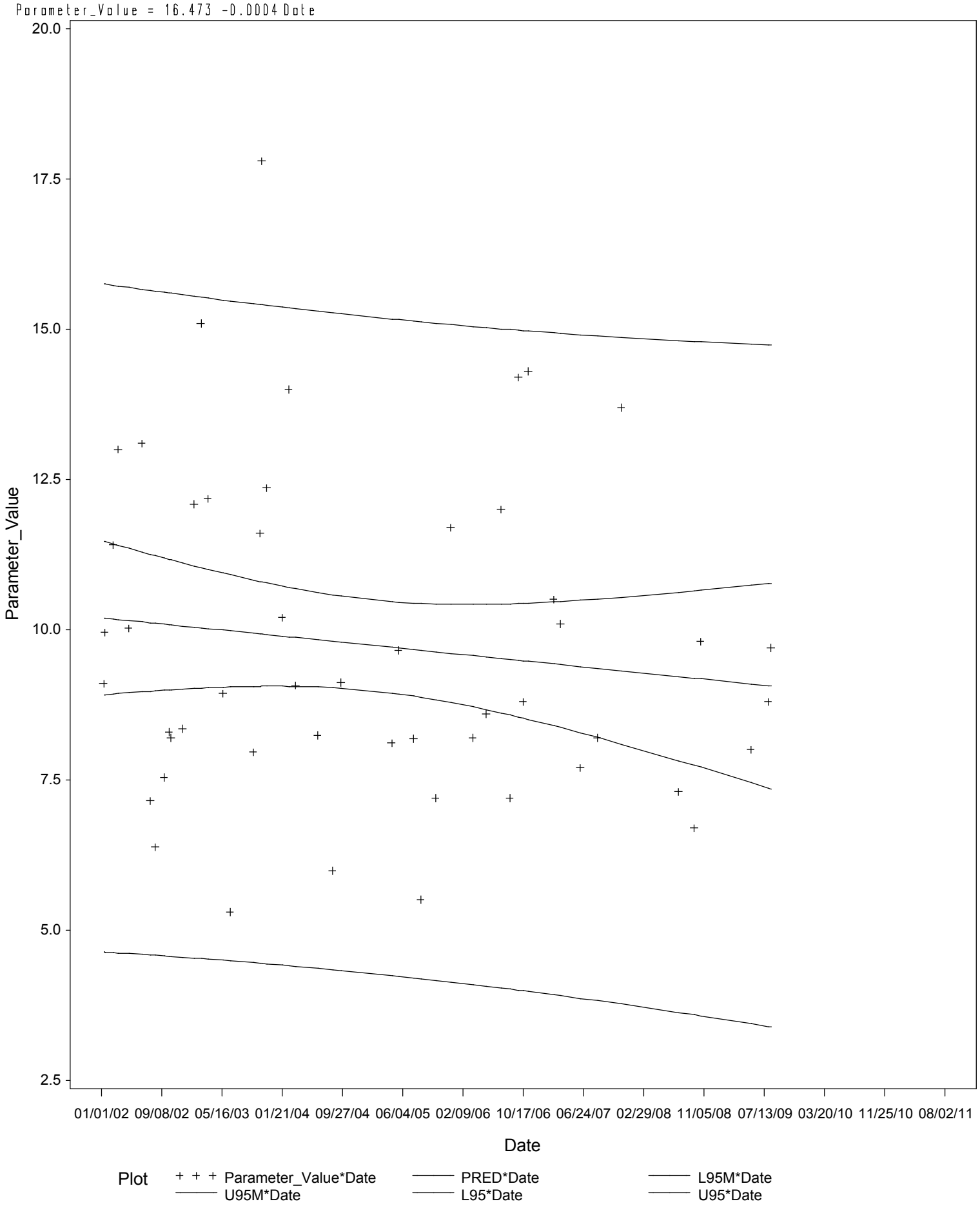
Rio Grande Below International Dam

Parameter=OXYGEN, DISSOLVED (MG/L) Station=14465



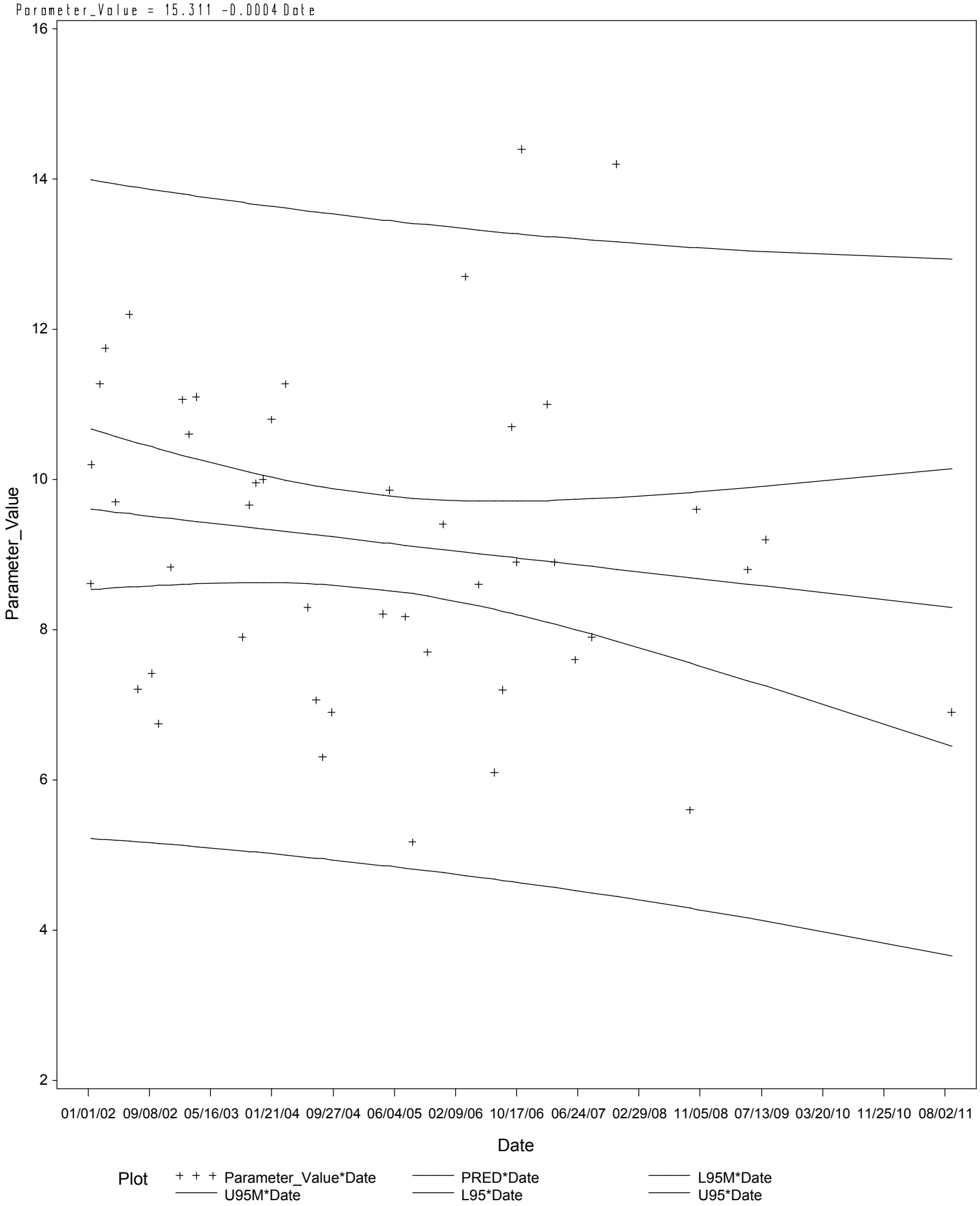
Rio Grande Below International Dam

Parameter=OXYGEN, DISSOLVED (MG/L) Station=15528



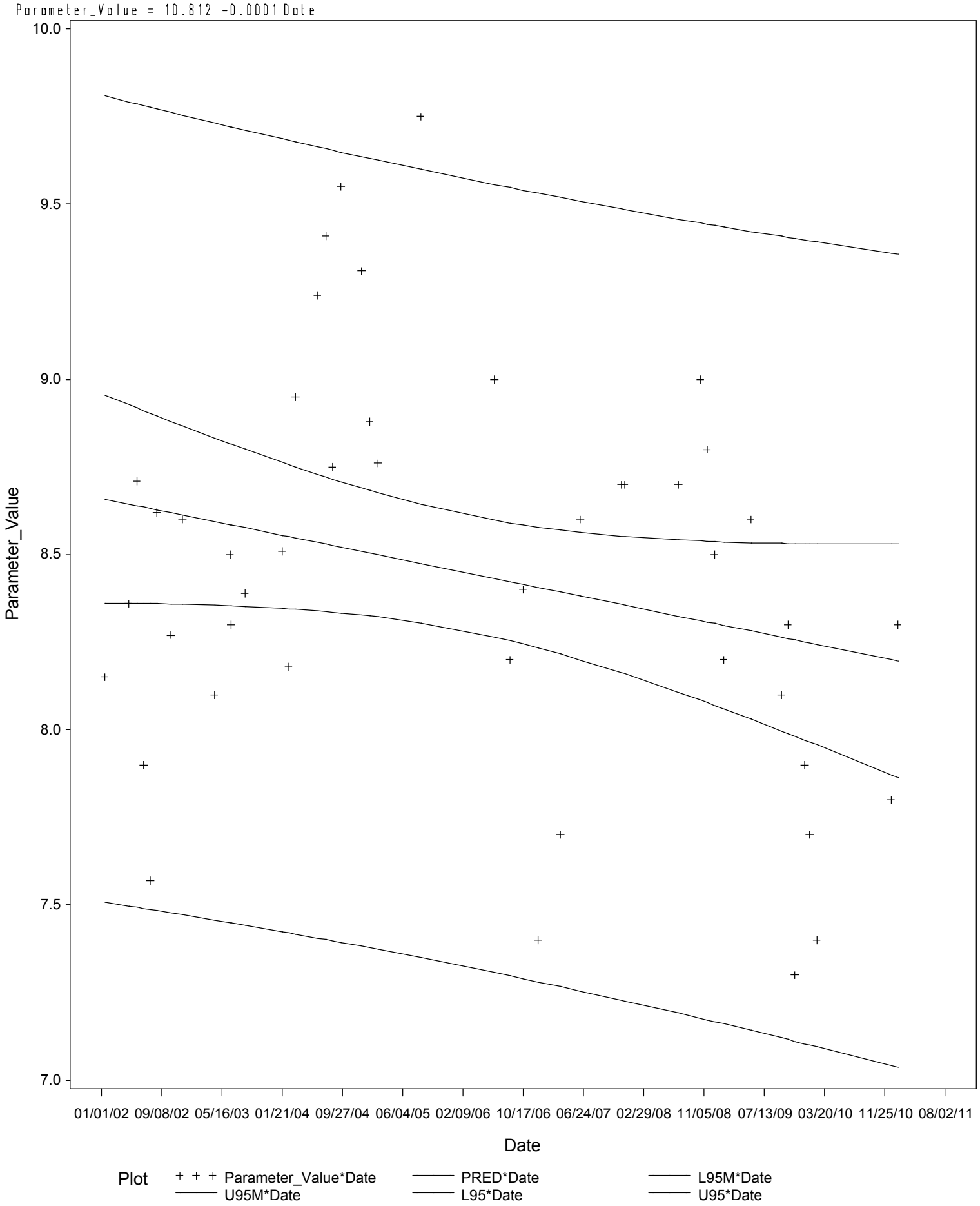
Rio Grande Below International Dam

Parameter=OXYGEN, DISSOLVED (MG/L) Station=15529



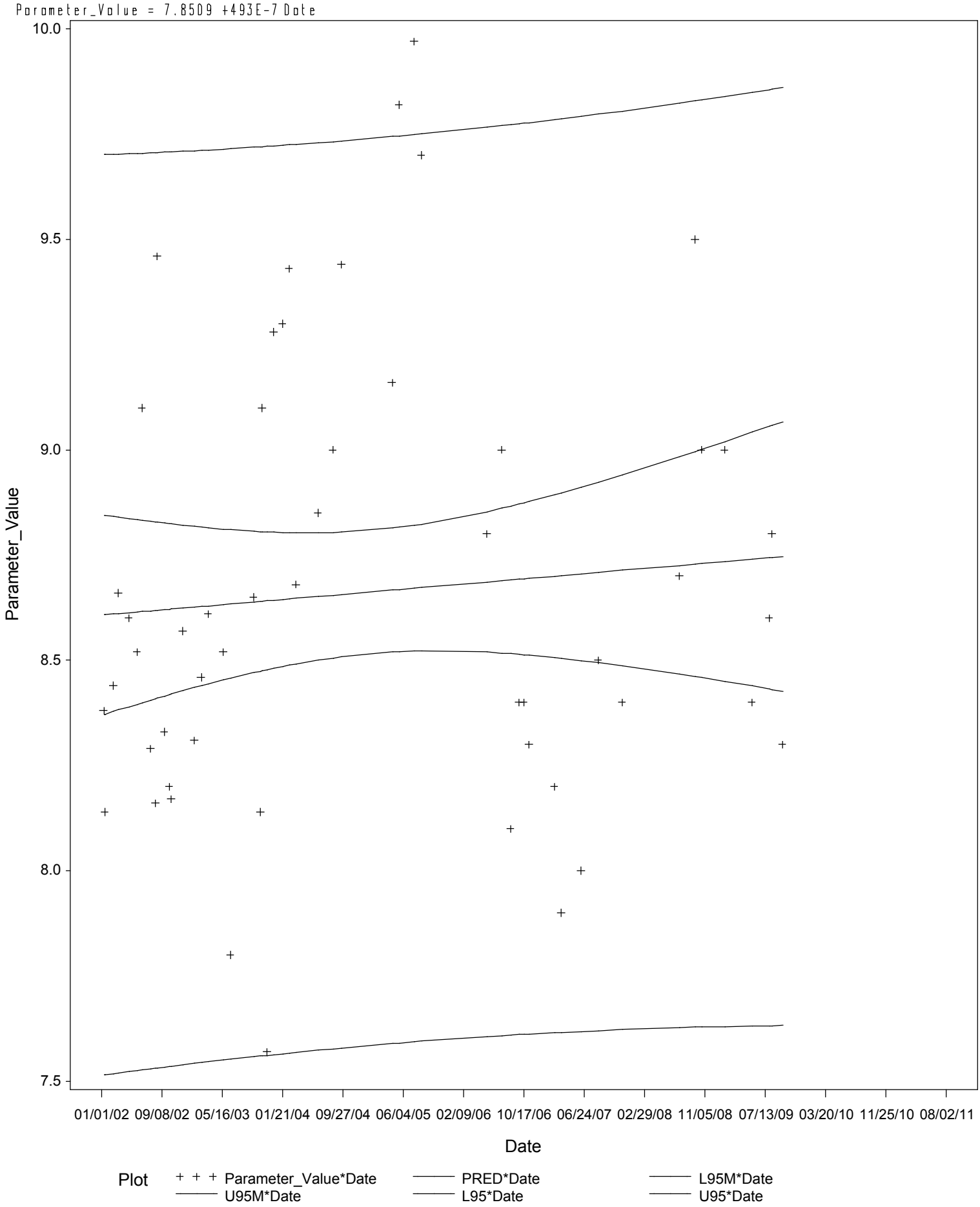
Rio Grande Below International Dam

Parameter=PH (STANDARD UNITS) Station=14465



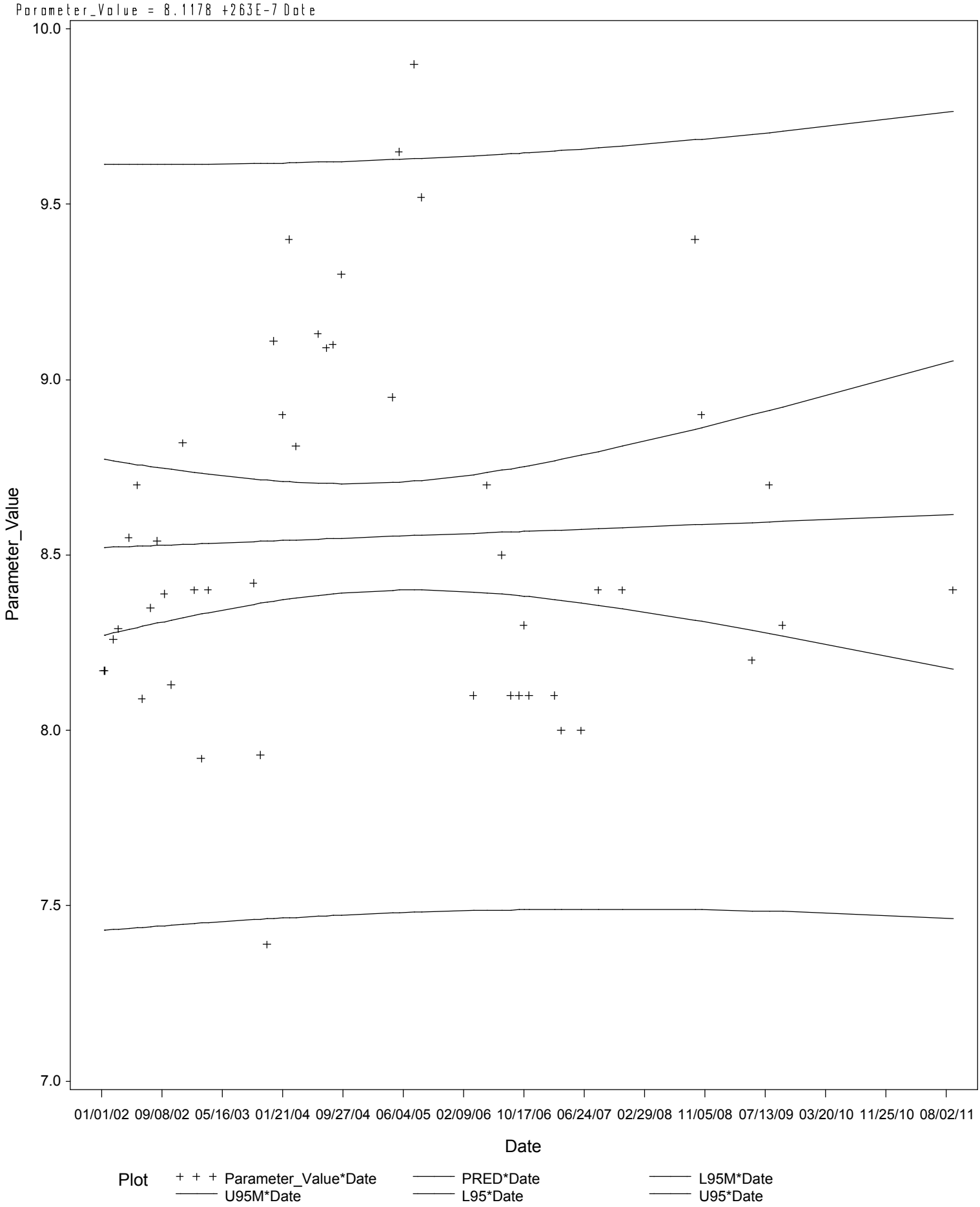
Rio Grande Below International Dam

Parameter=PH (STANDARD UNITS) Station=15528



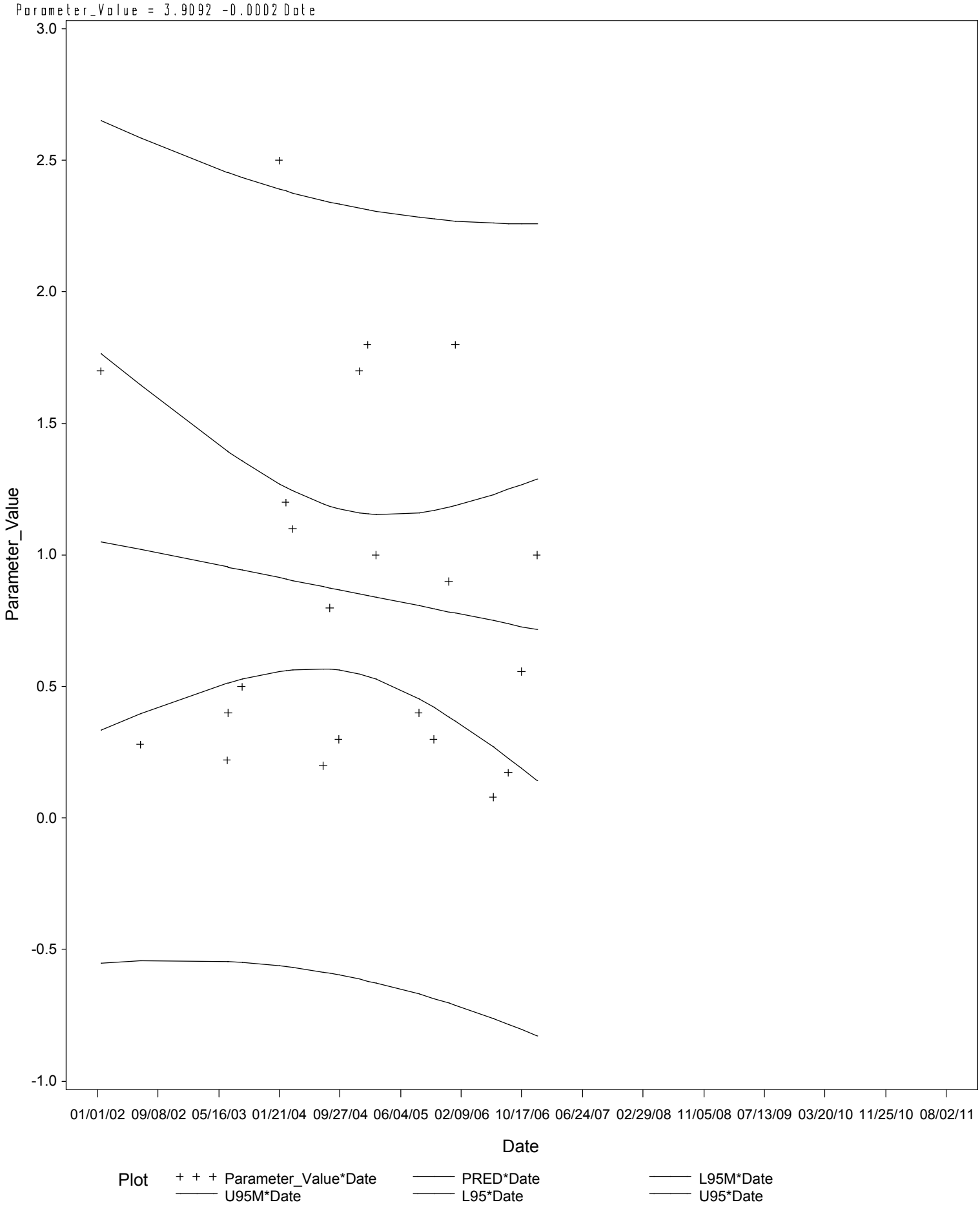
Rio Grande Below International Dam

Parameter=PH (STANDARD UNITS) Station=15529



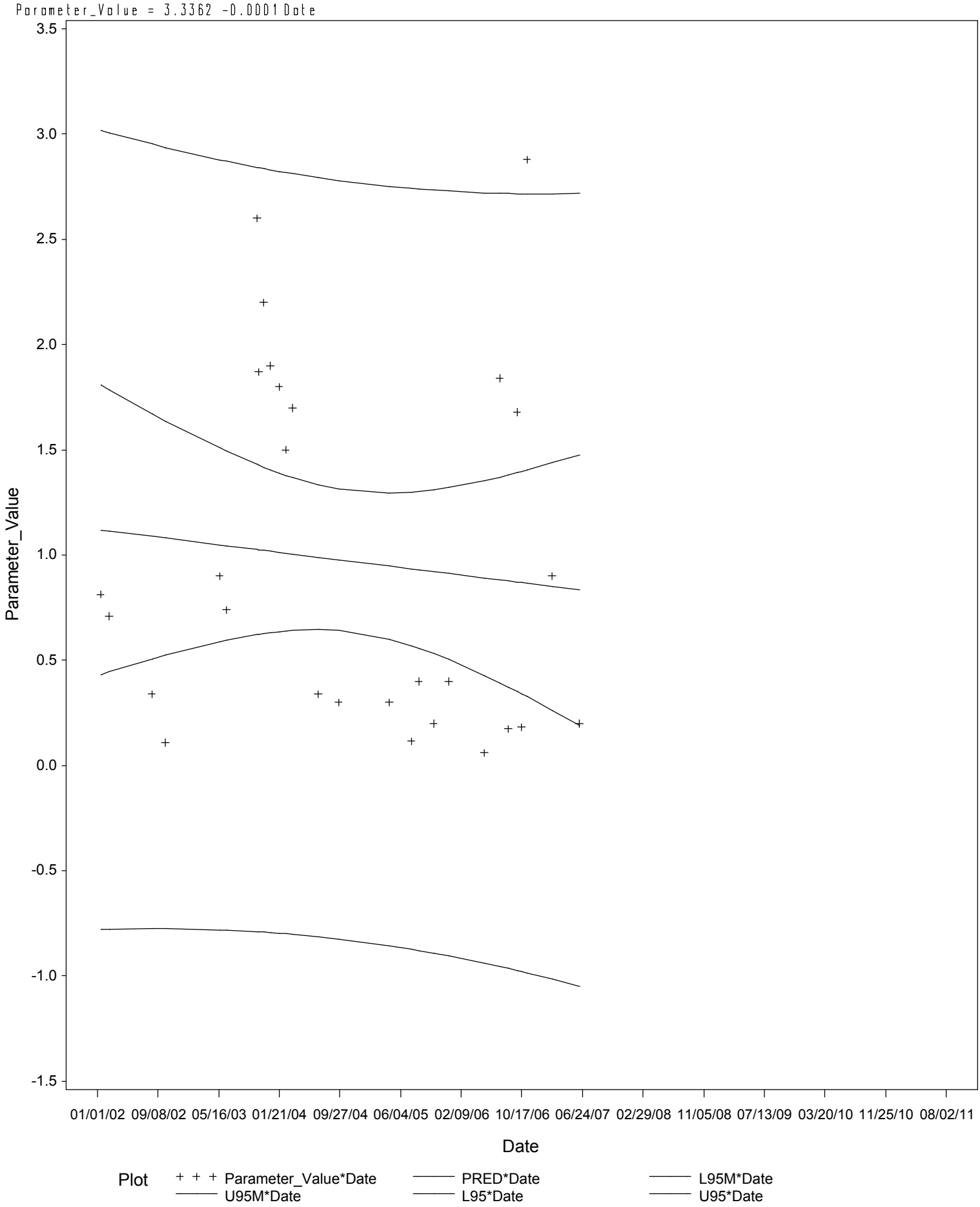
Rio Grande Below International Dam

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=14465



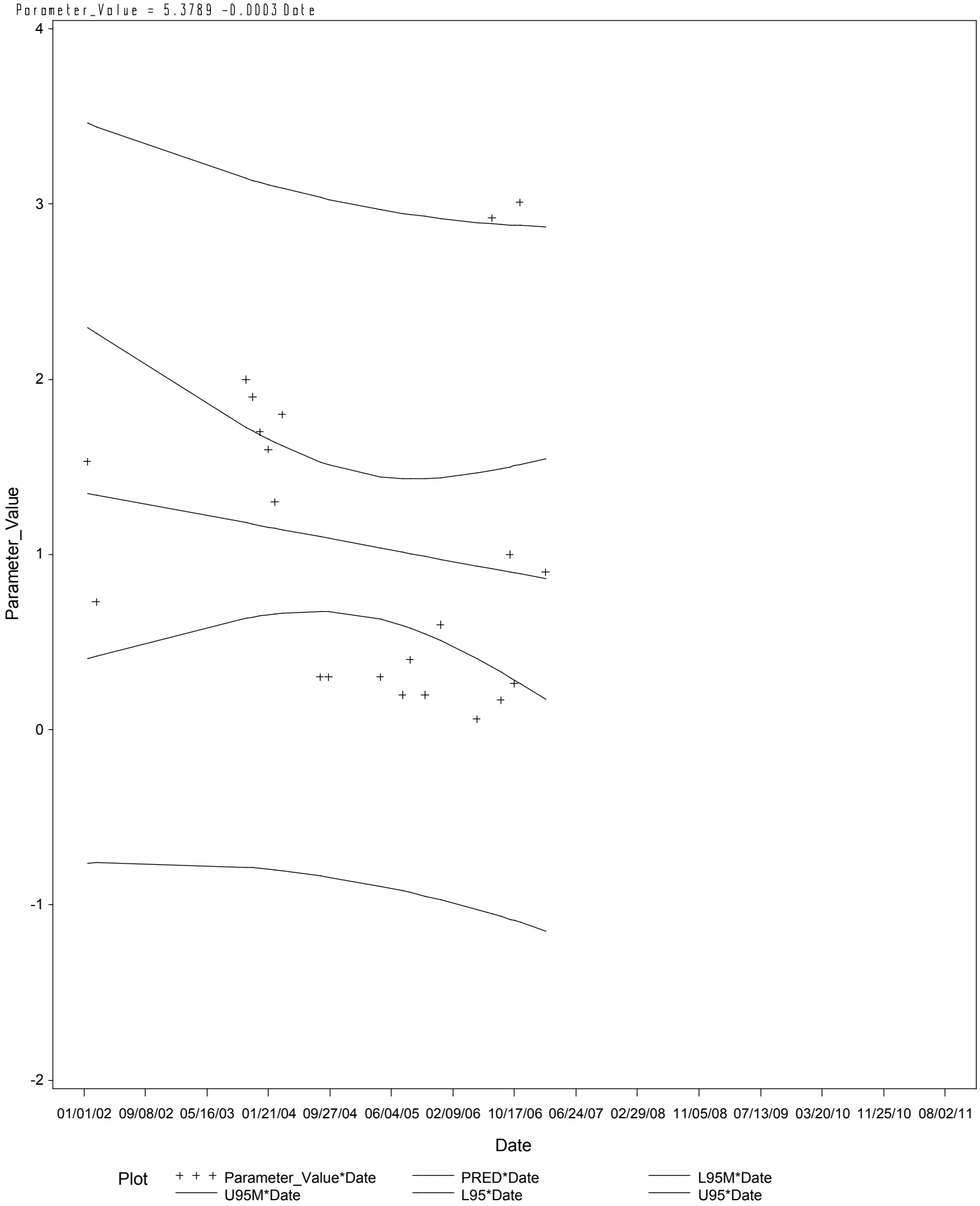
Rio Grande Below International Dam

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=15528



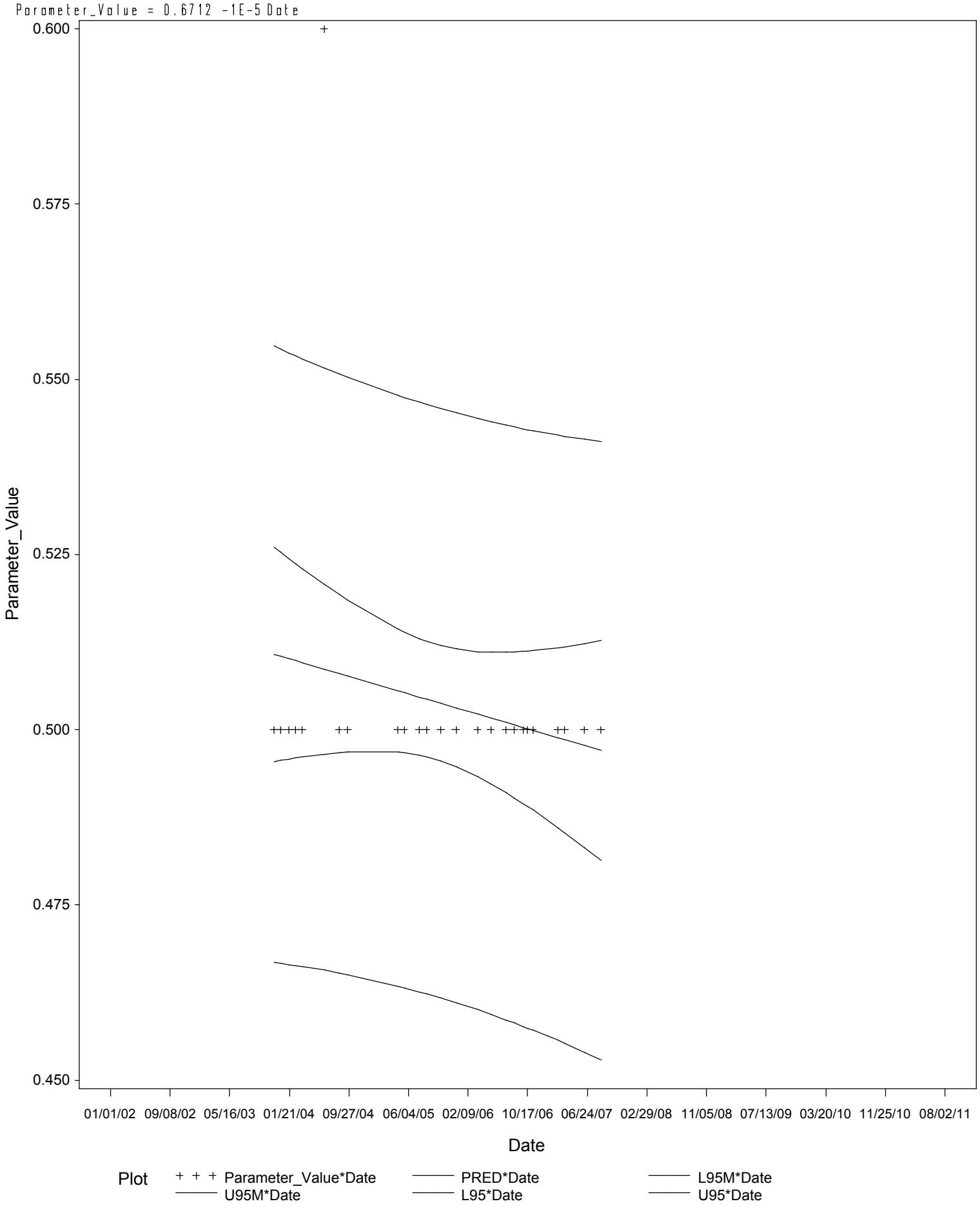
Rio Grande Below International Dam

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=15529



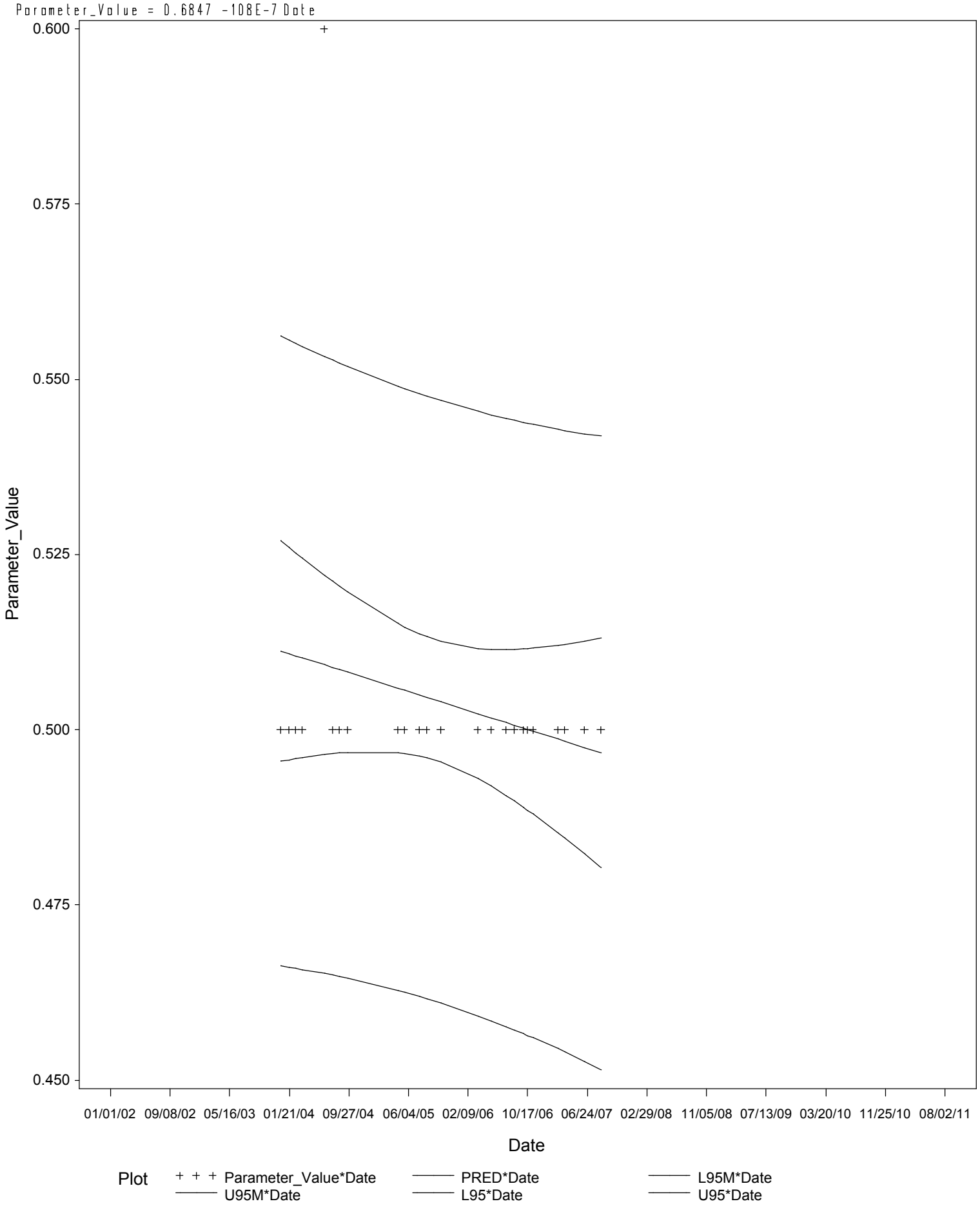
Rio Grande Below International Dam

Parameter=SIMAZINE IN WHOLE WATER UG/L Station=15528



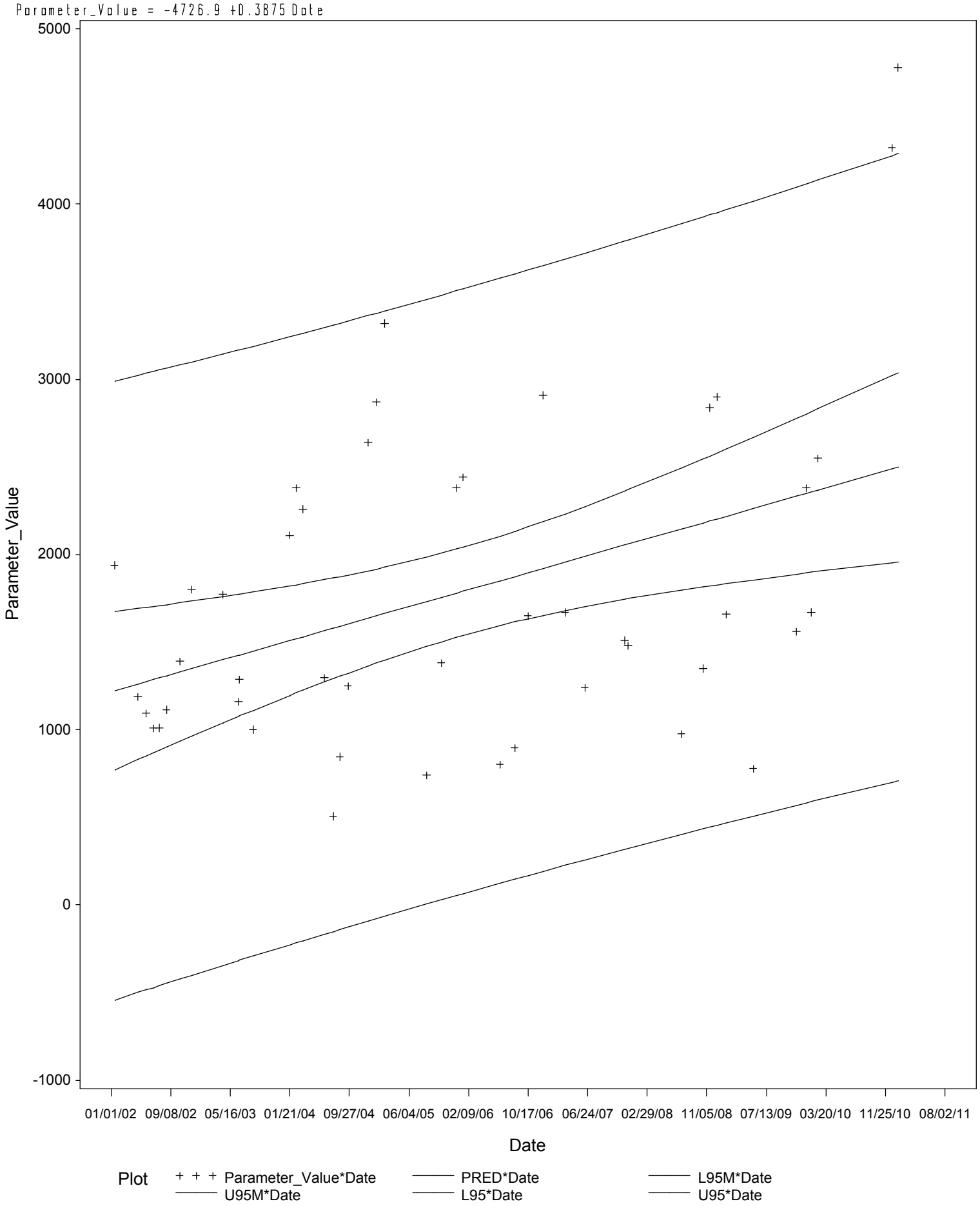
Rio Grande Below International Dam

Parameter=SIMAZINE IN WHOLE WATER UG/L Station=15529



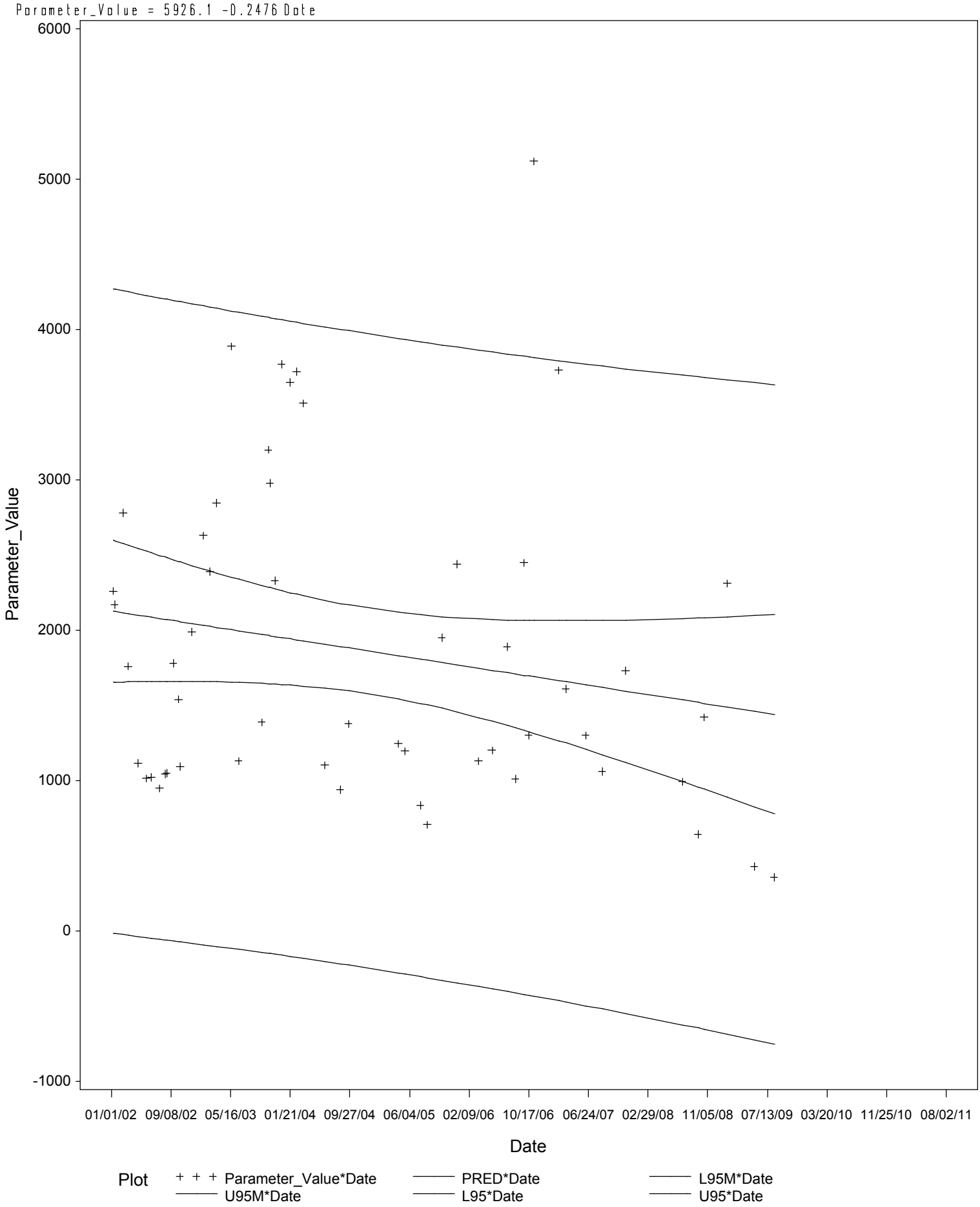
Rio Grande Below International Dam

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=14465



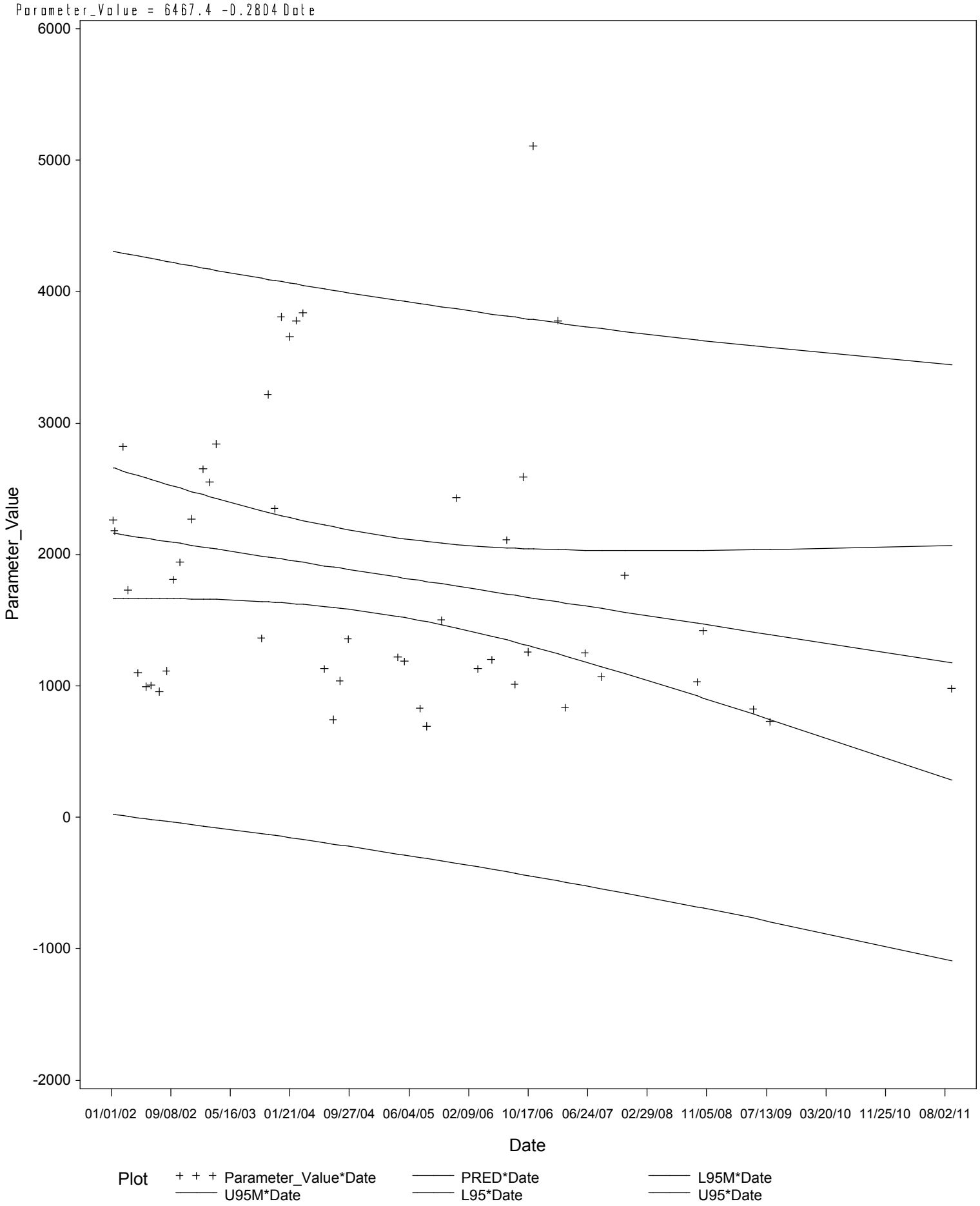
Rio Grande Below International Dam

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15528



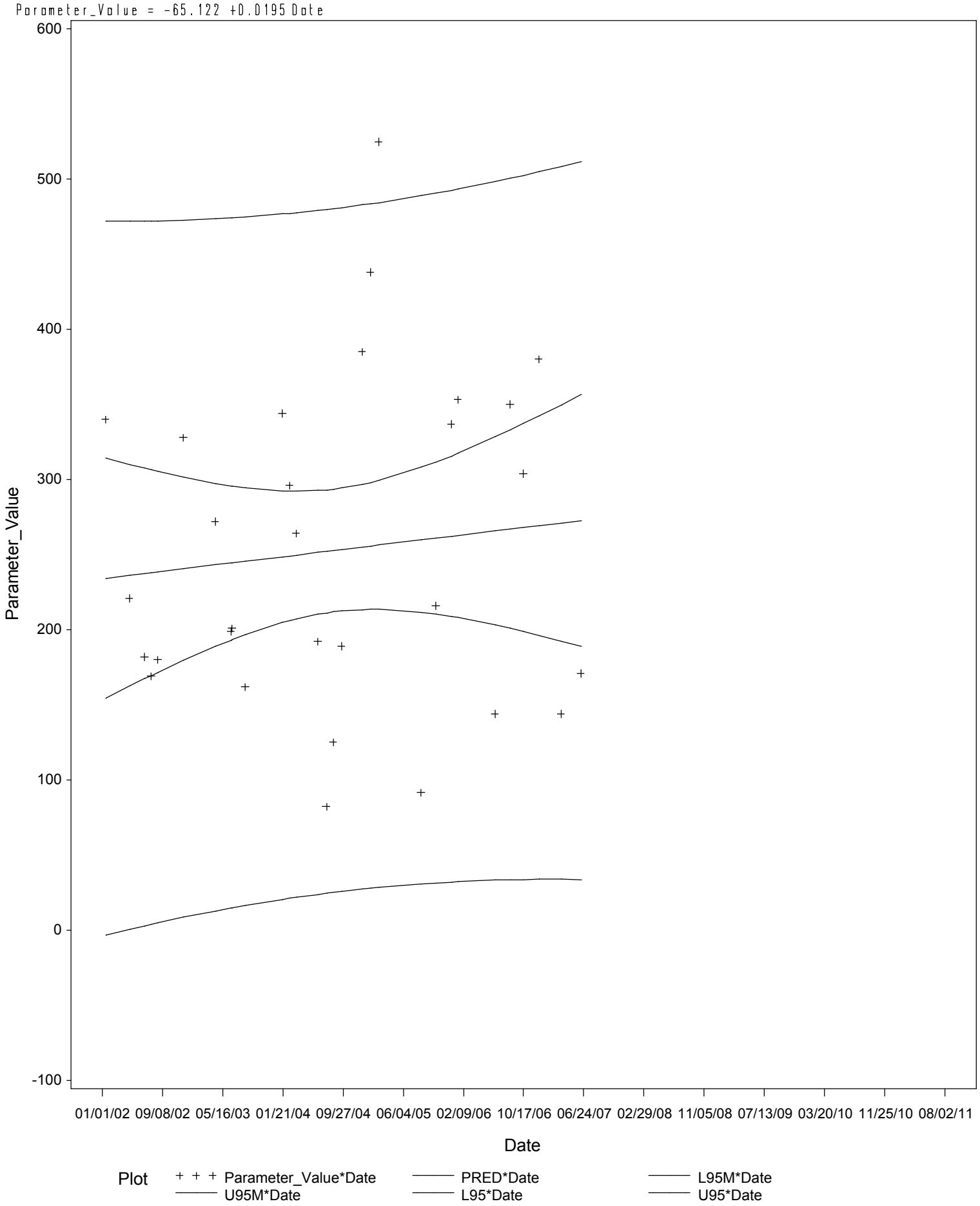
Rio Grande Below International Dam

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15529



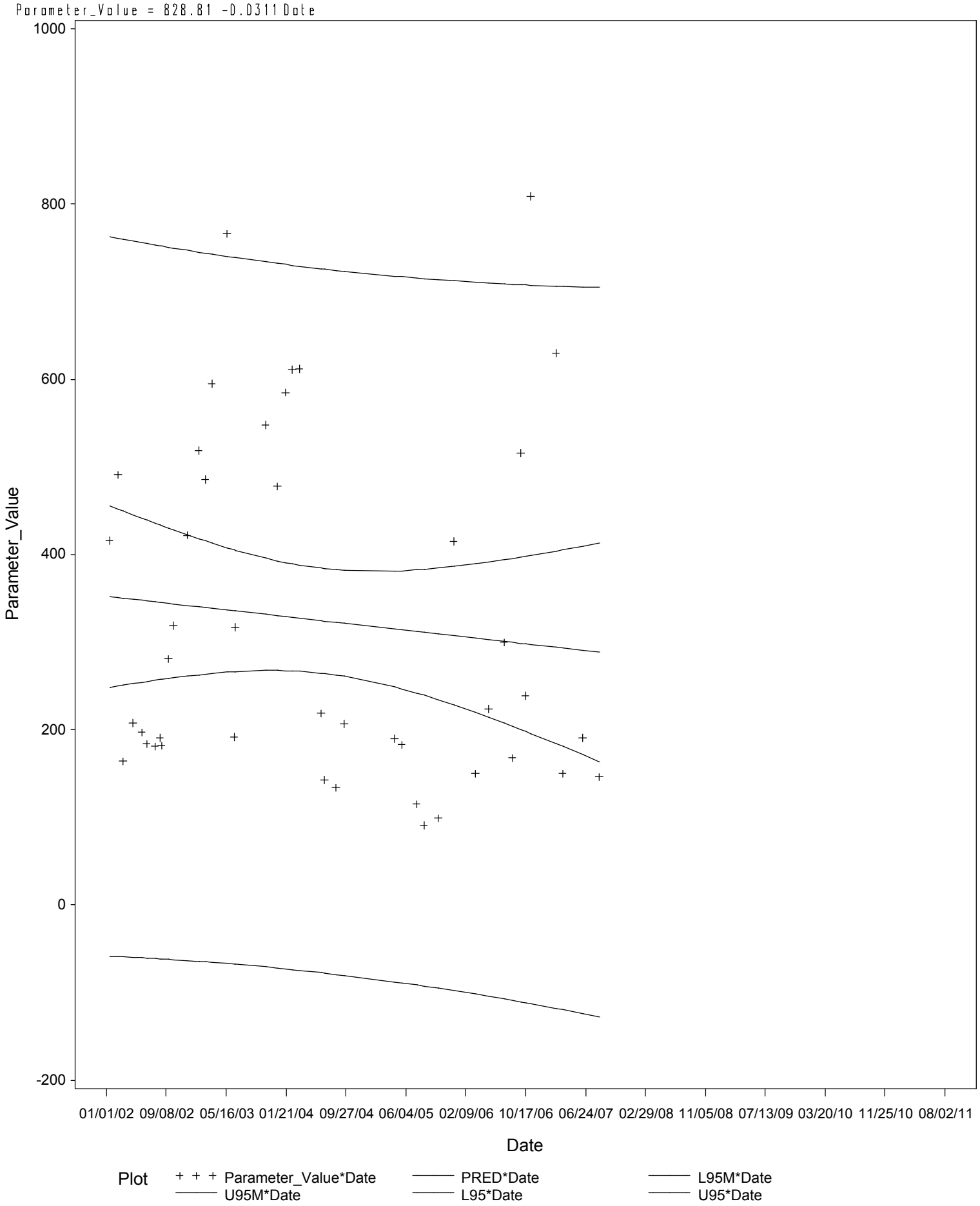
Rio Grande Below International Dam

Parameter=SULFATE (MG/L AS SO4) Station=14465



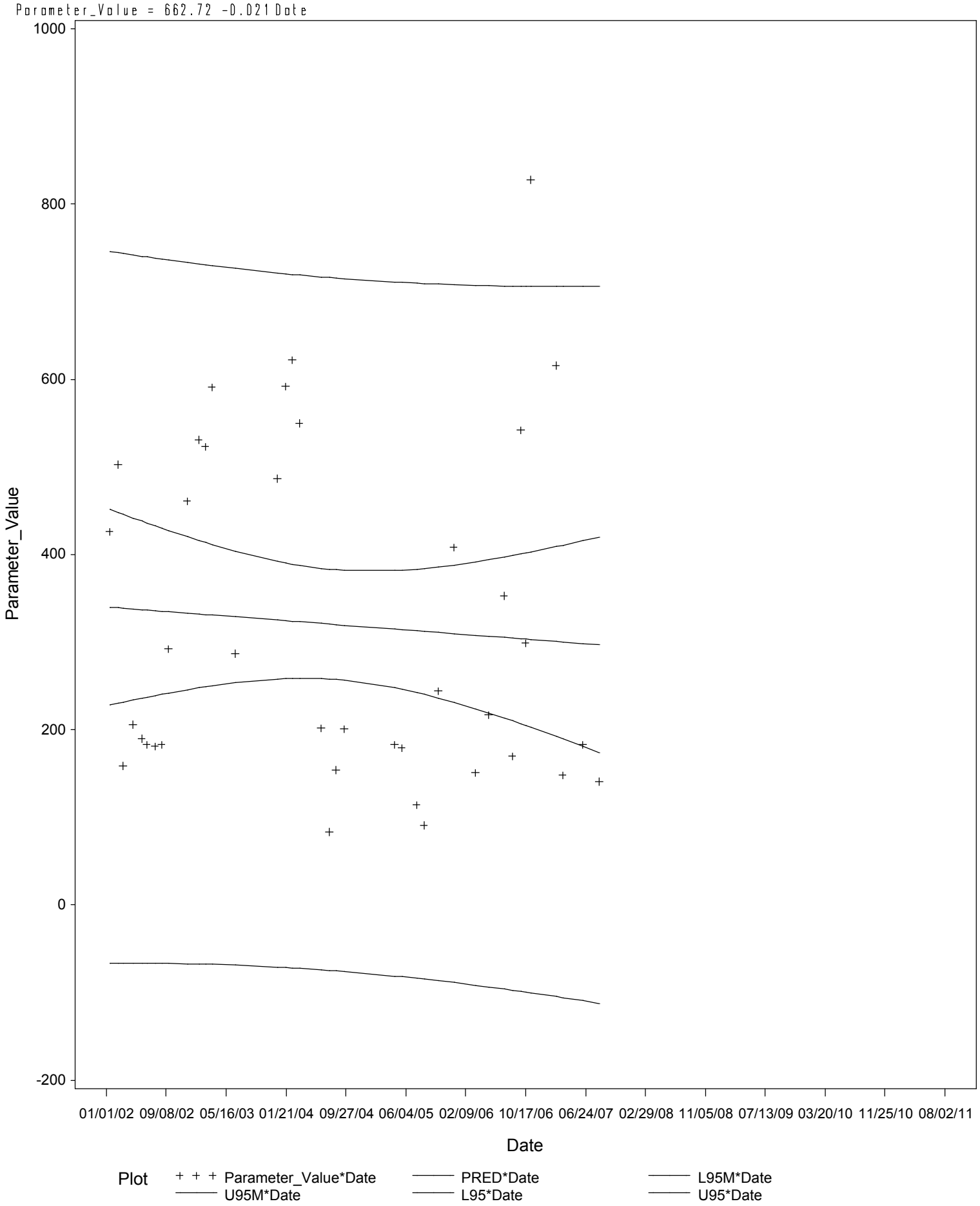
Rio Grande Below International Dam

Parameter=SULFATE (MG/L AS SO4) Station=15528



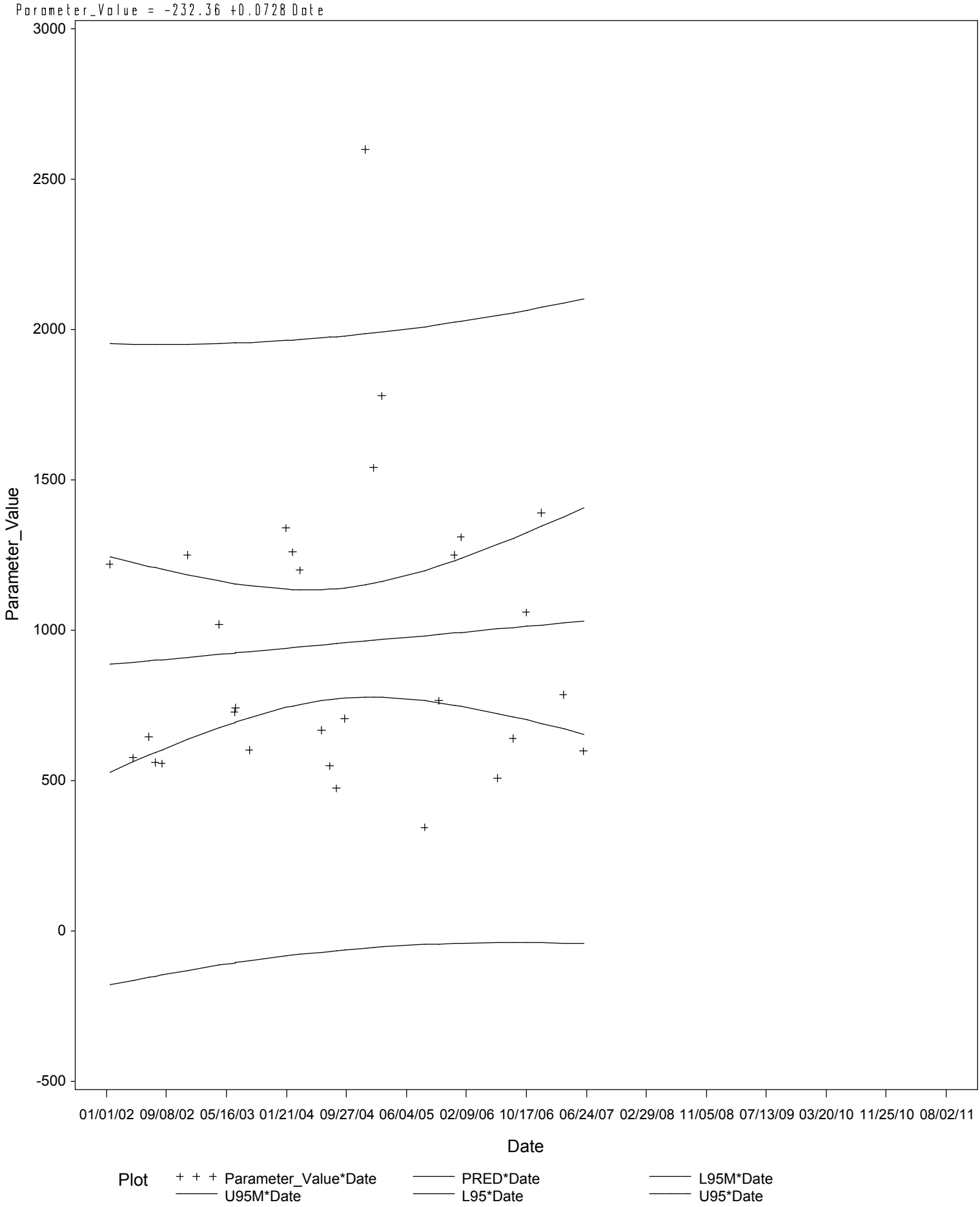
Rio Grande Below International Dam

Parameter=SULFATE (MG/L AS SO4) Station=15529

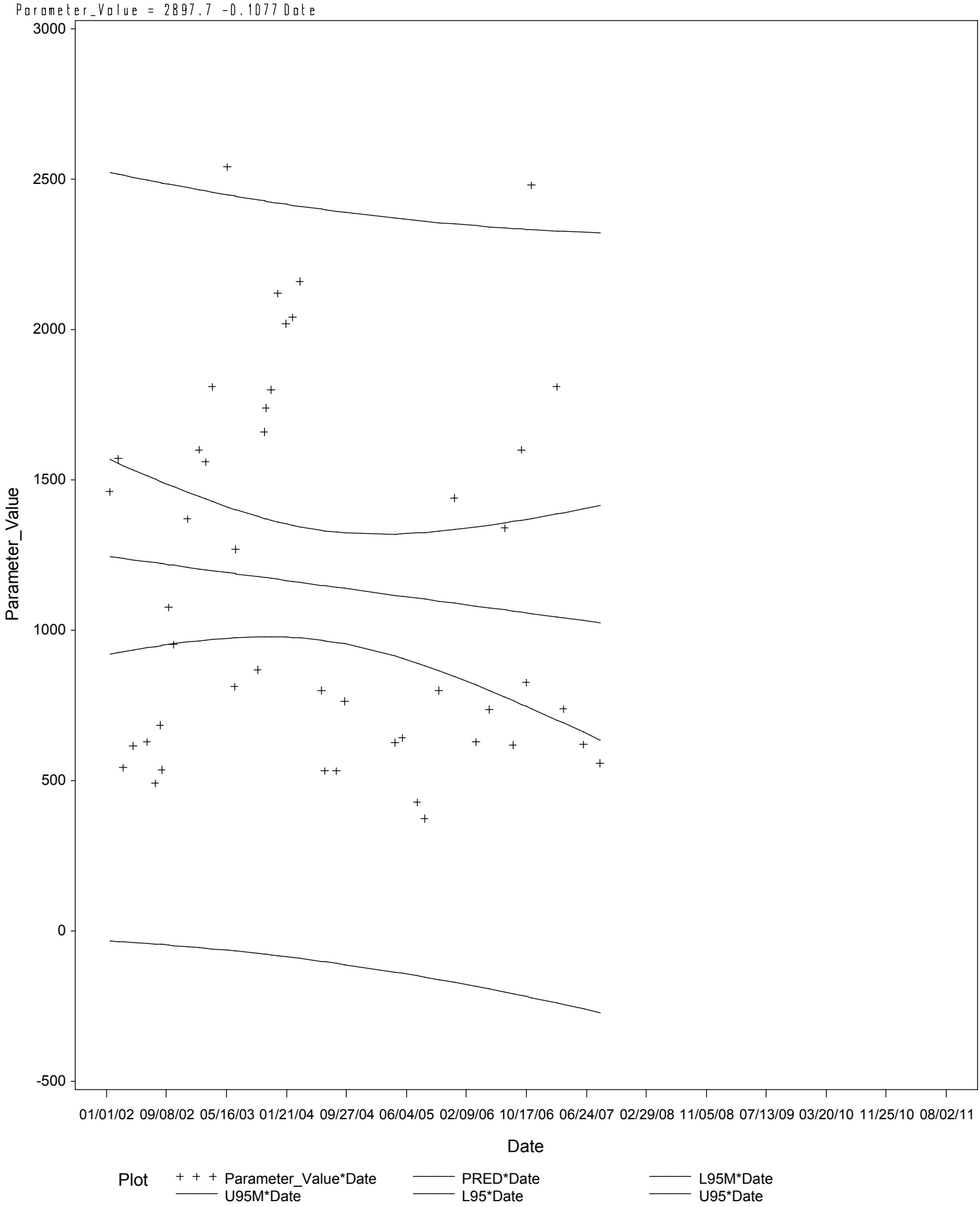


Rio Grande Below International Dam

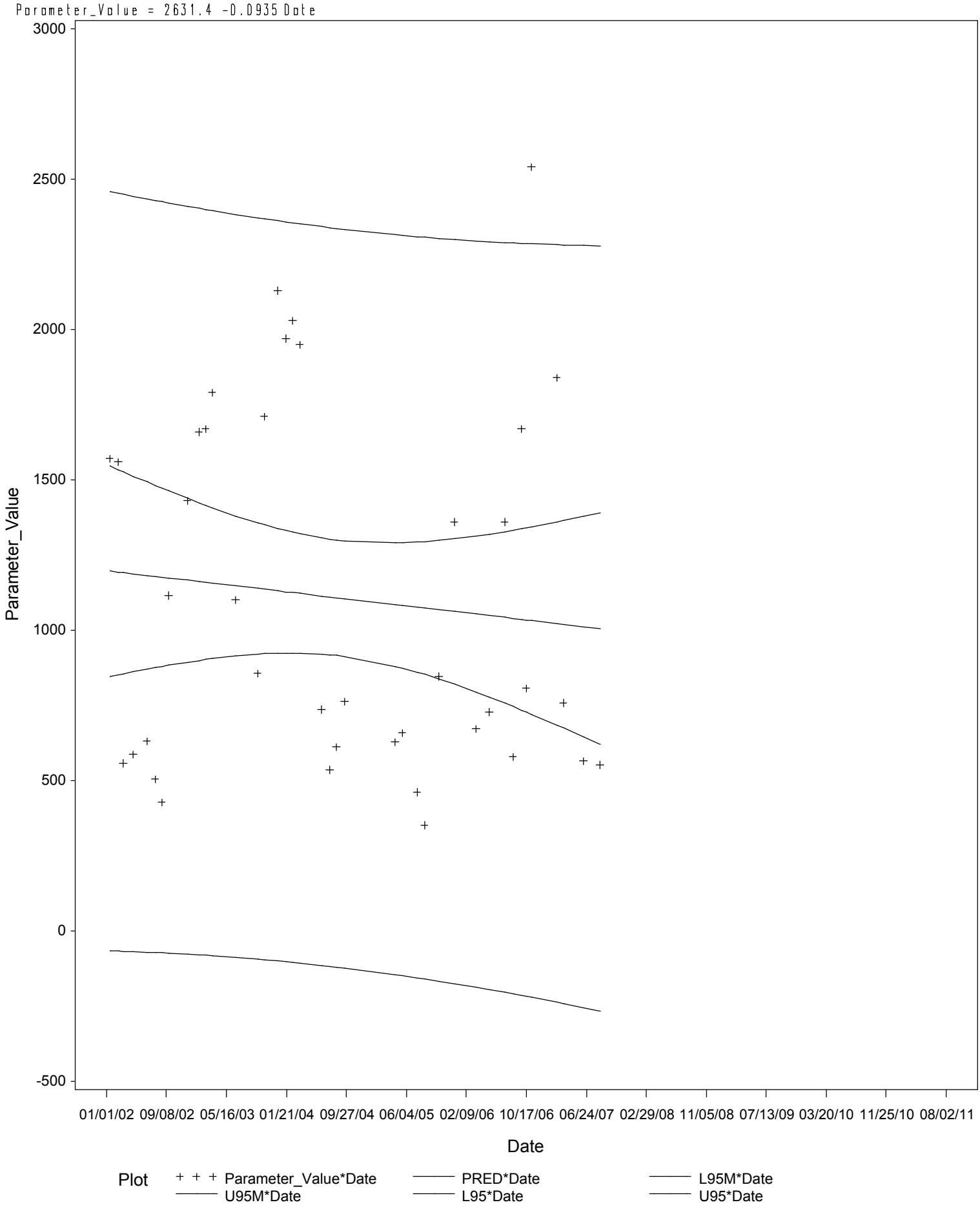
Parameter=TDS (MG/L) Station=14465



Rio Grande Below International Dam
Parameter=TDS (MG/L) Station=15528

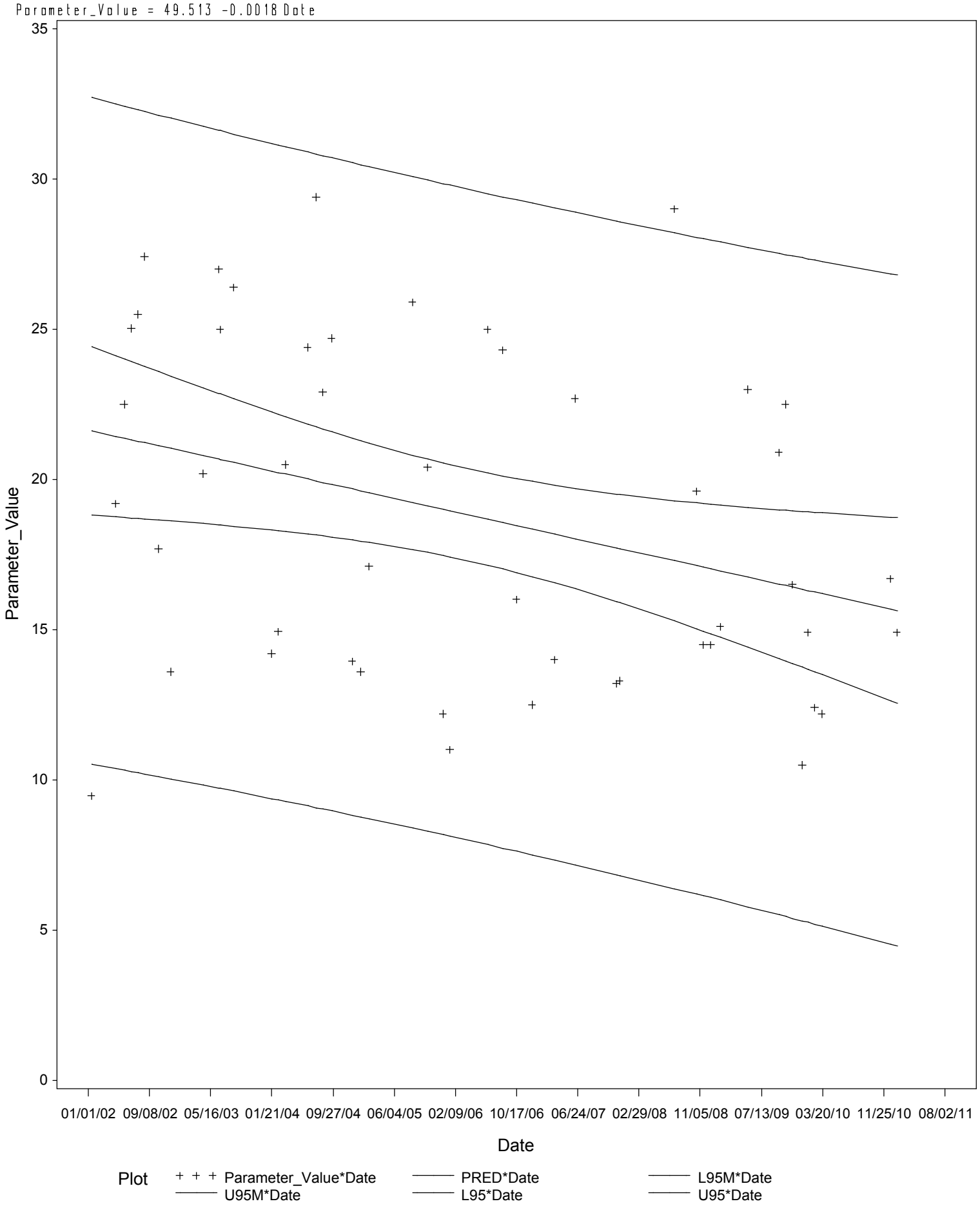


Rio Grande Below International Dam
Parameter=TDS (MG/L) Station=15529



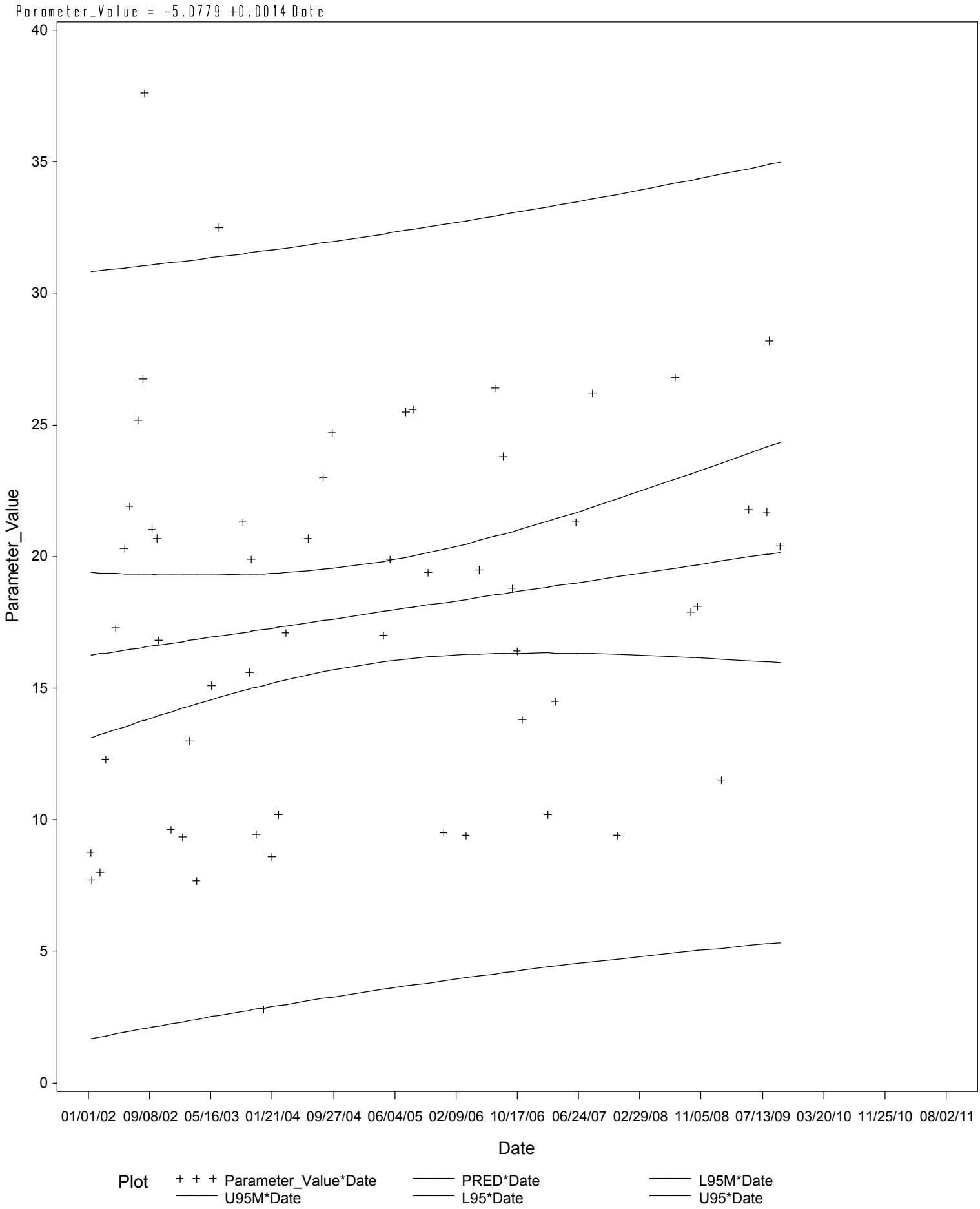
Rio Grande Below International Dam

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=14465



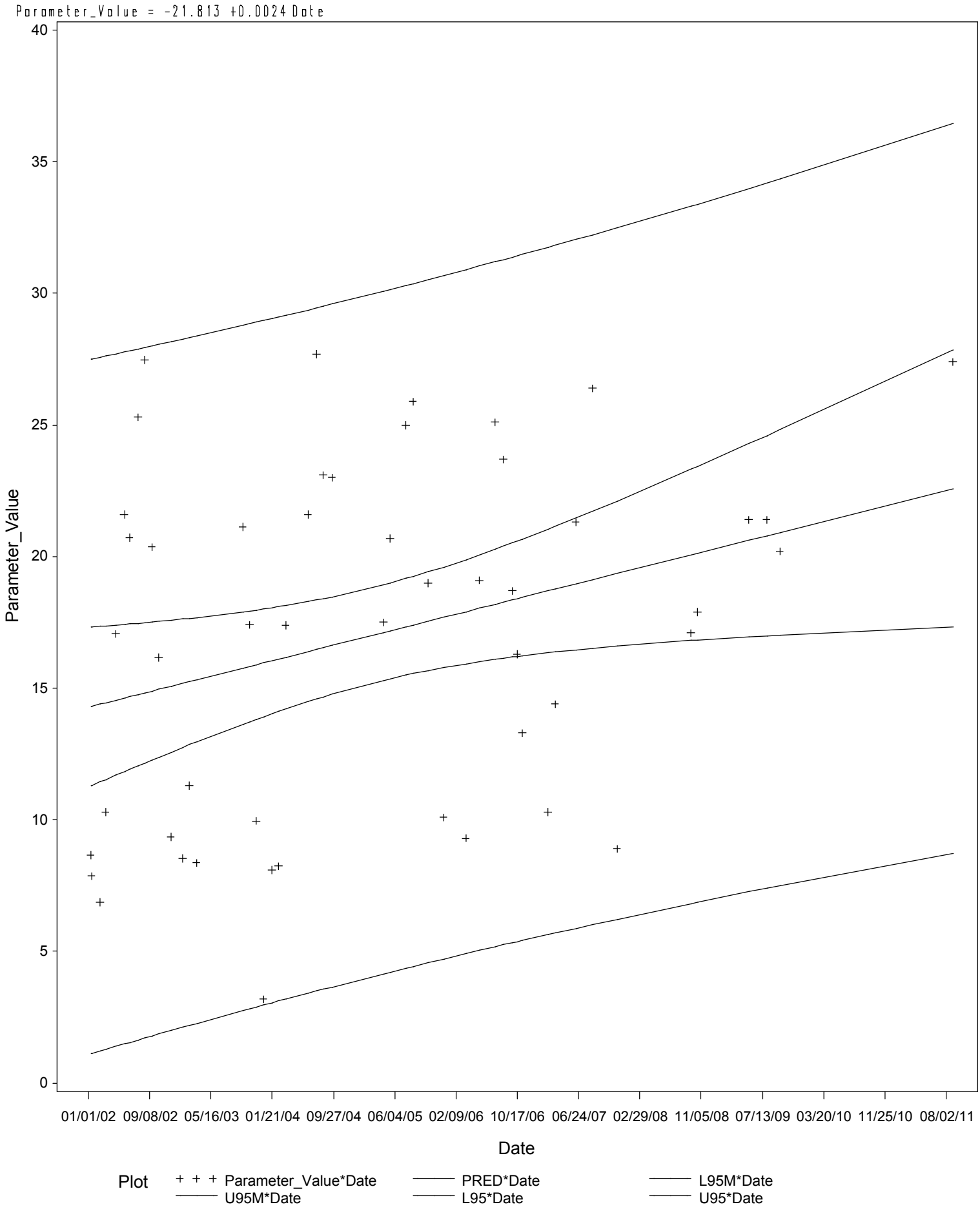
Rio Grande Below International Dam

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15528



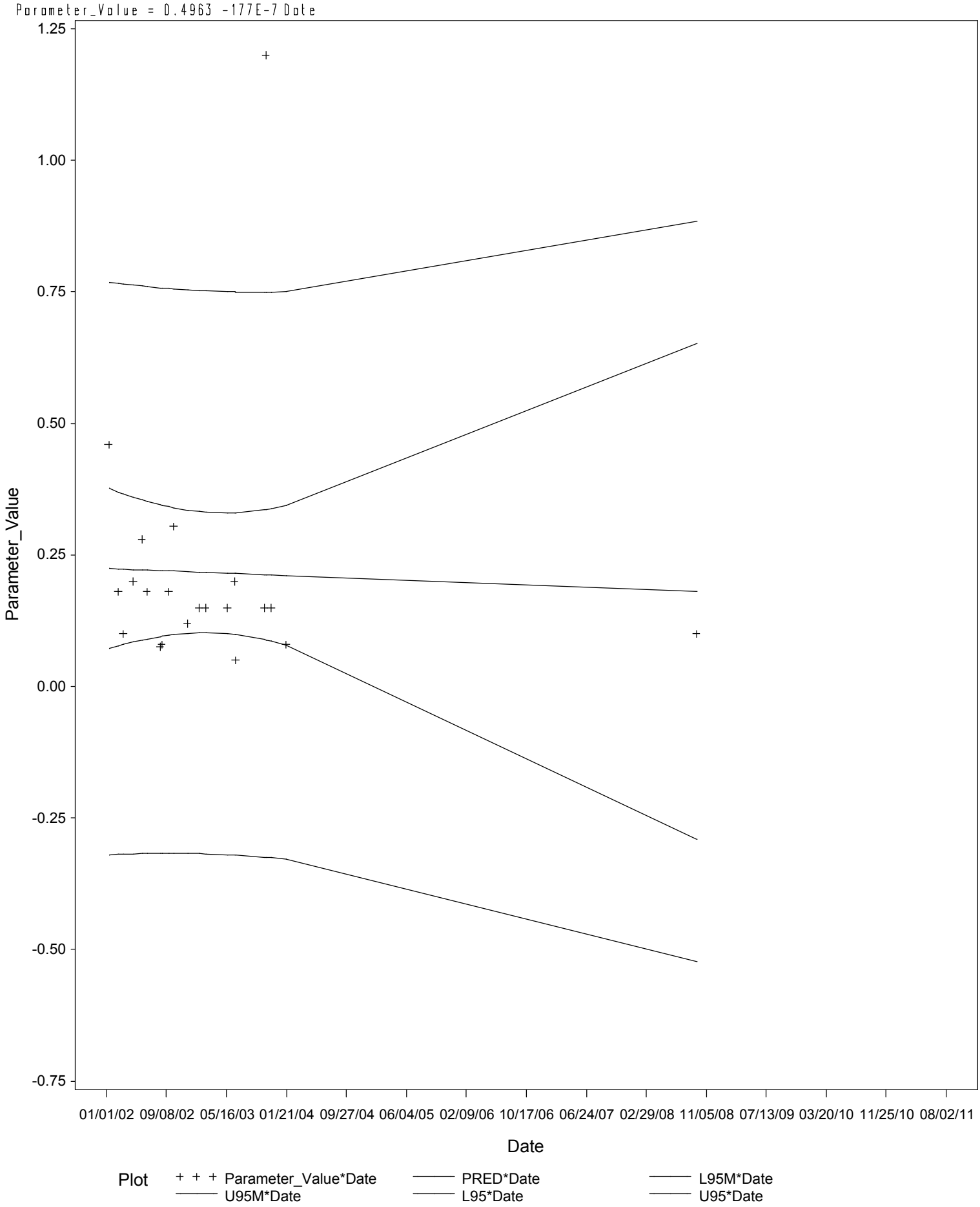
Rio Grande Below International Dam

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15529

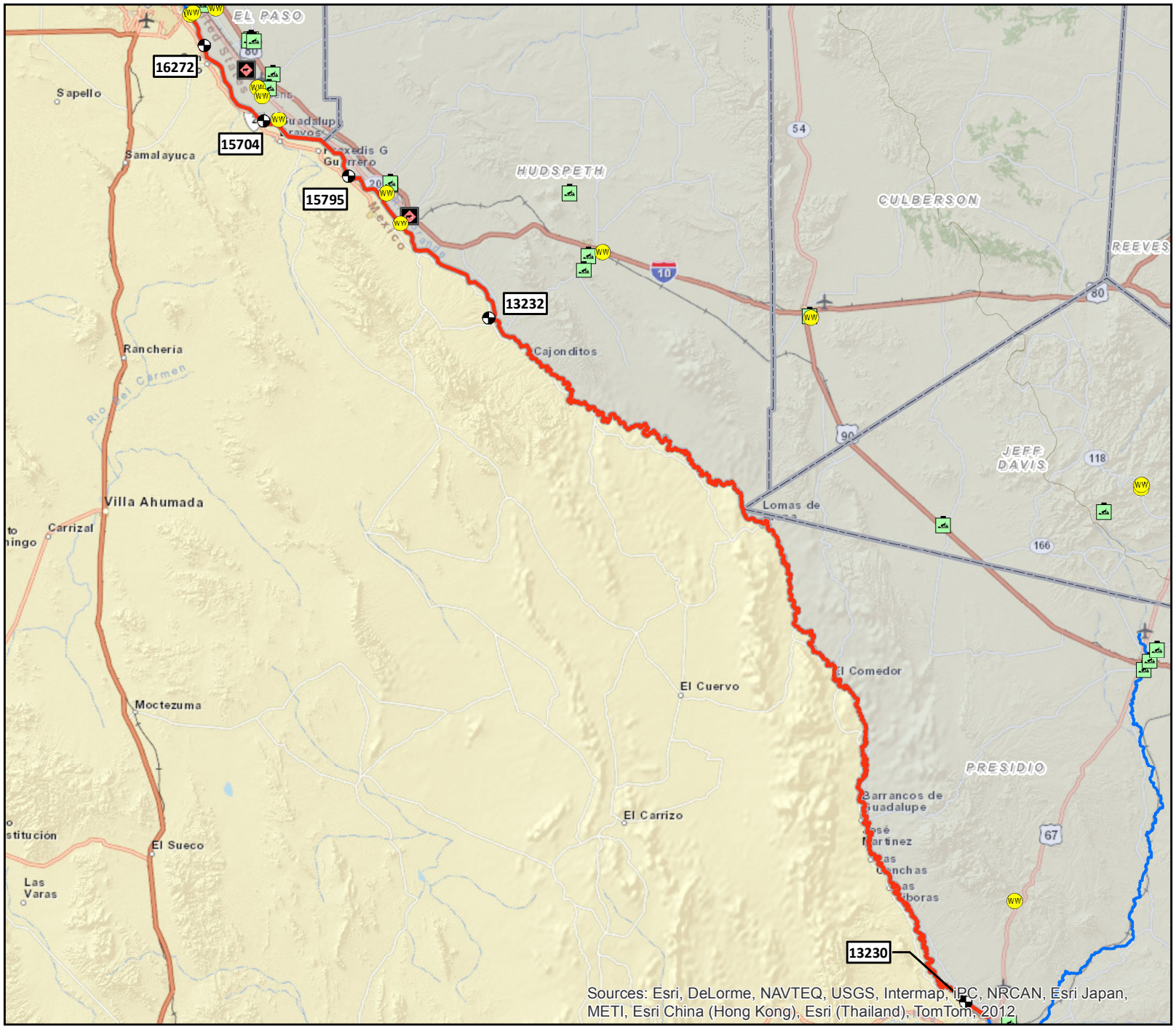


Rio Grande Below International Dam

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=15528



3. Upper Rio Grande Segment 2307



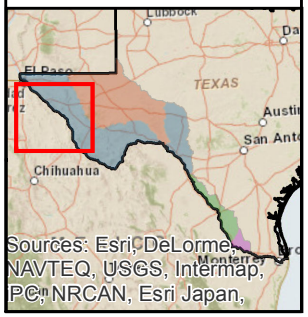
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Upper Rio Grande
Segment ID: 2307
Name: Rio Grande Below Riverside Diversion Dam

LEGEND

- Monitoring Station (5)
- Wastewater Outfall (13)
- Concentrated Animal Feedlot Operations (2)
- Landfill (20)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



0 10 20 MILES

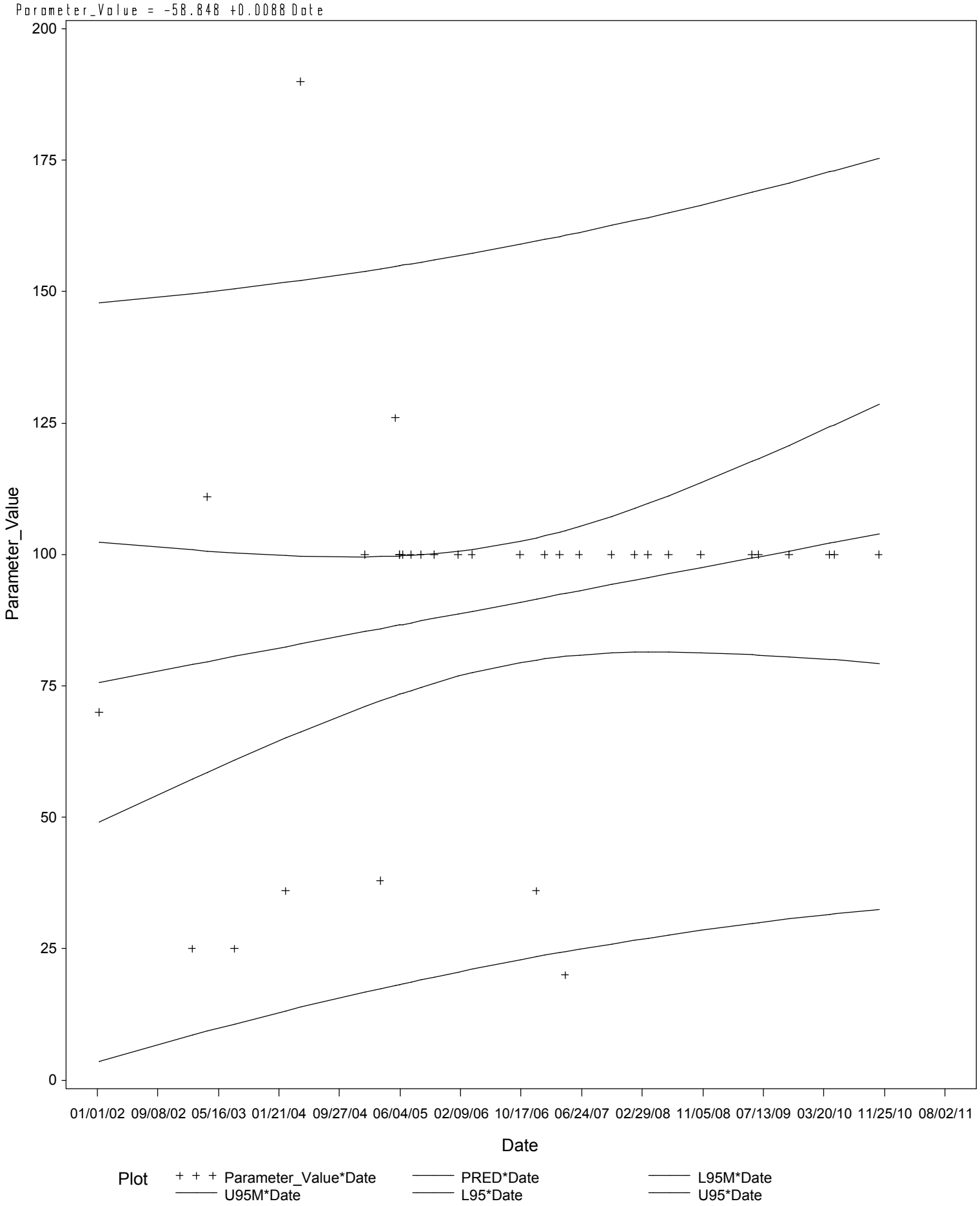
N

HDR ENVIRONMENTAL, OPERATIONS AND CONSTRUCTION, INC
184 CREEKSIDE PARK, SUITE 100
SPRING BRANCH, TX 78070-6230
210.253.6528

AUG 2013

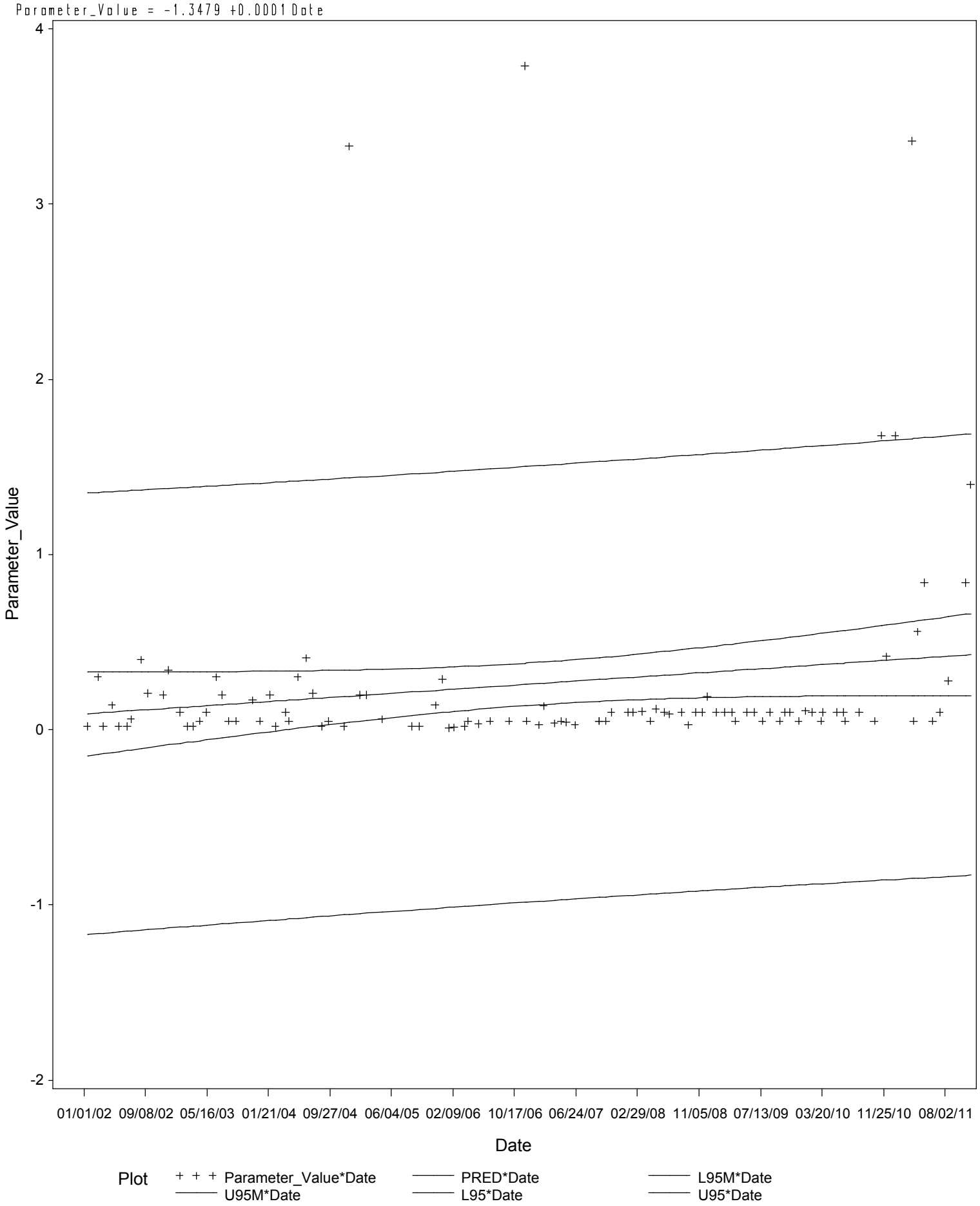
Rio Grande Below Riverside Diversion Dam

Parameter=ALUMINUM, DISSOLVED (UG/L AS AL) Station=15795



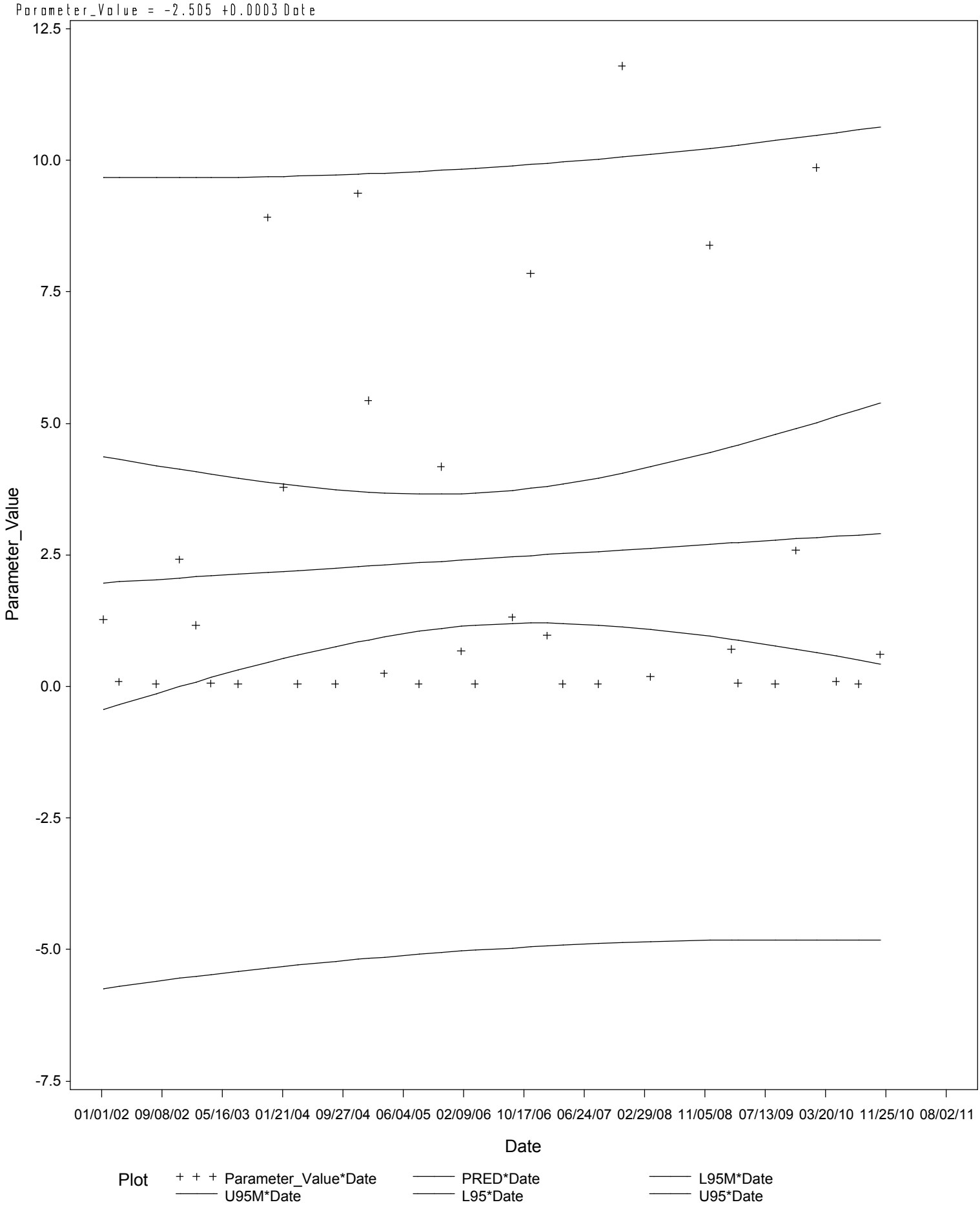
Rio Grande Below Riverside Diversion Dam

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13230



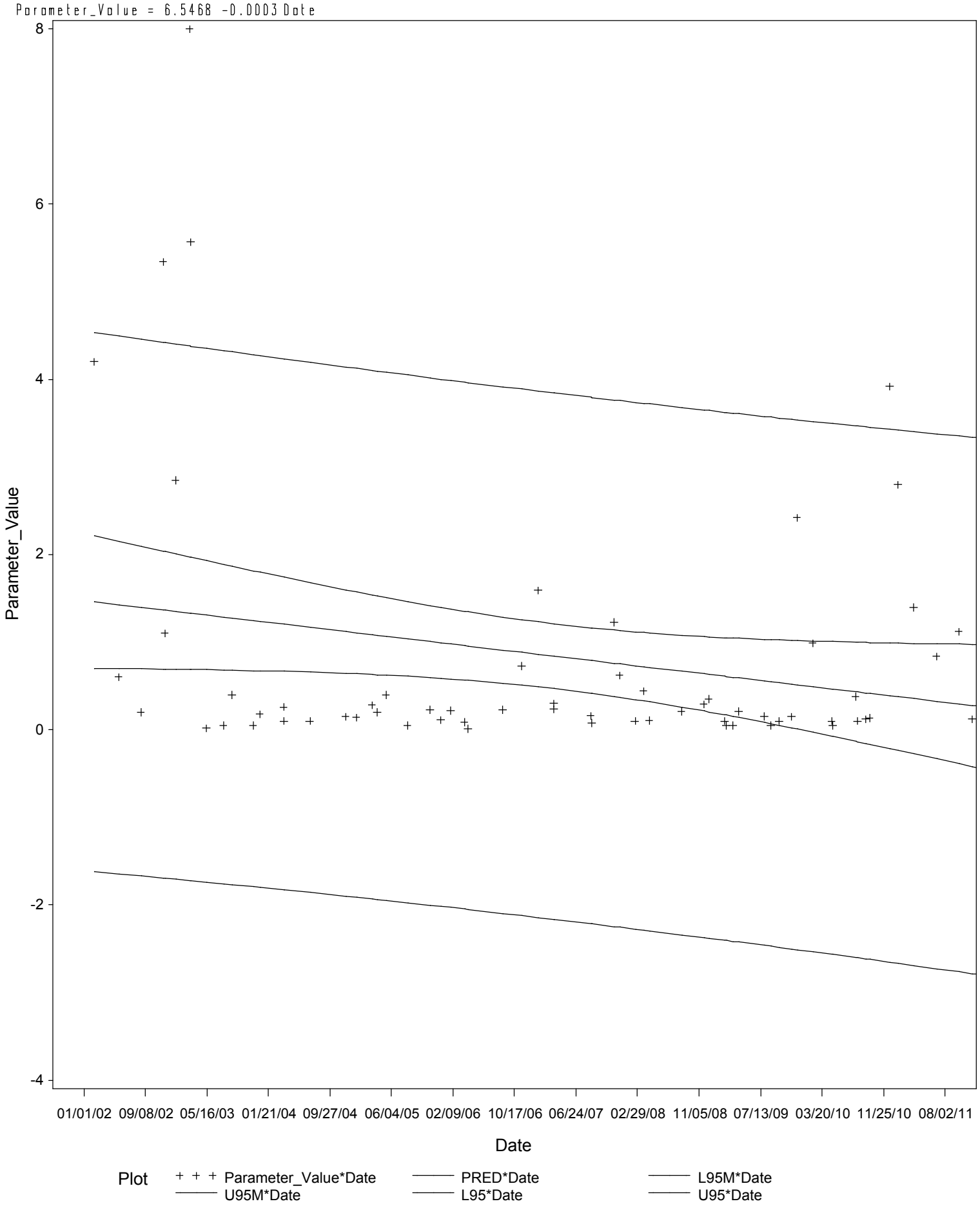
Rio Grande Below Riverside Diversion Dam

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13232



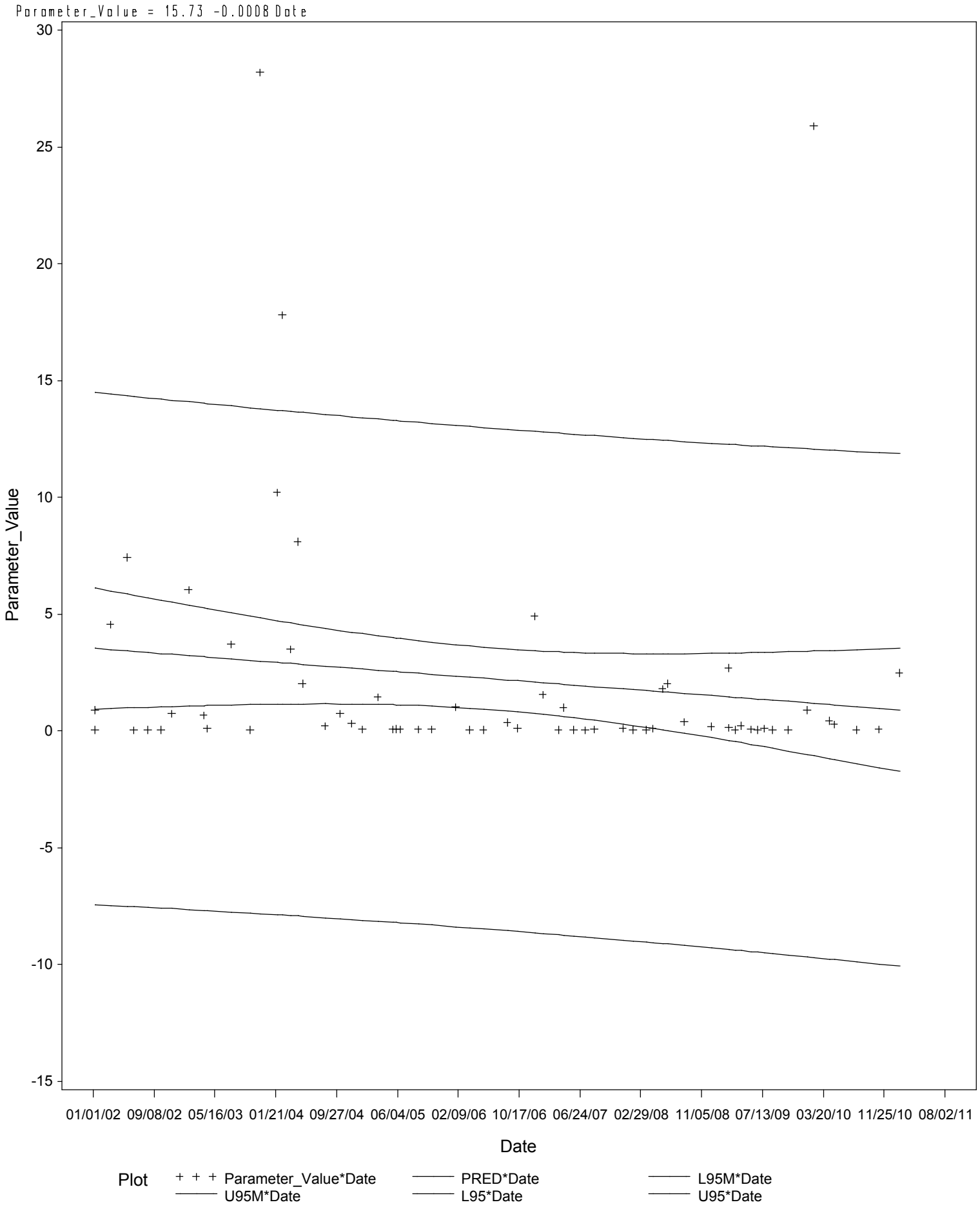
Rio Grande Below Riverside Diversion Dam

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15704



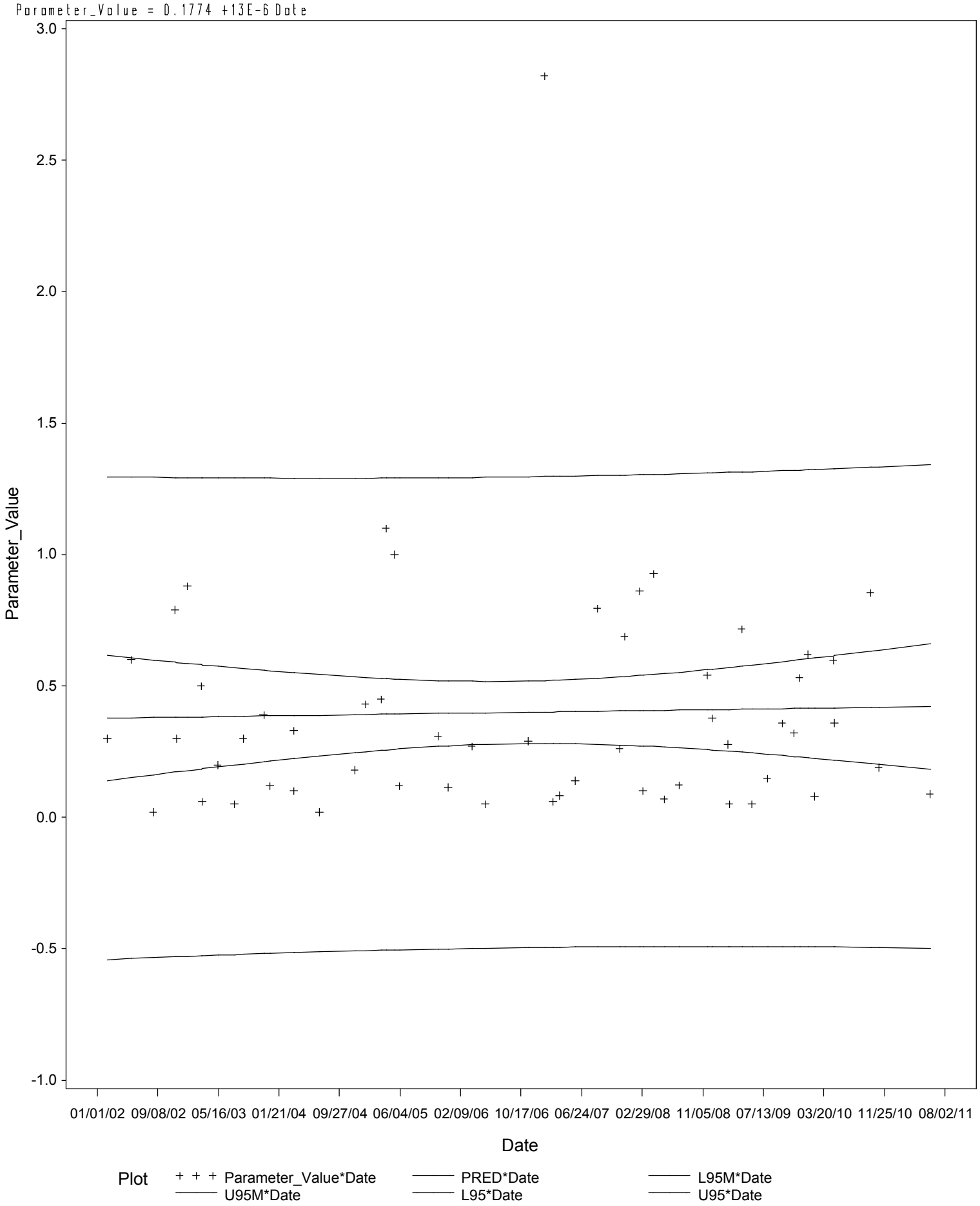
Rio Grande Below Riverside Diversion Dam

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15795



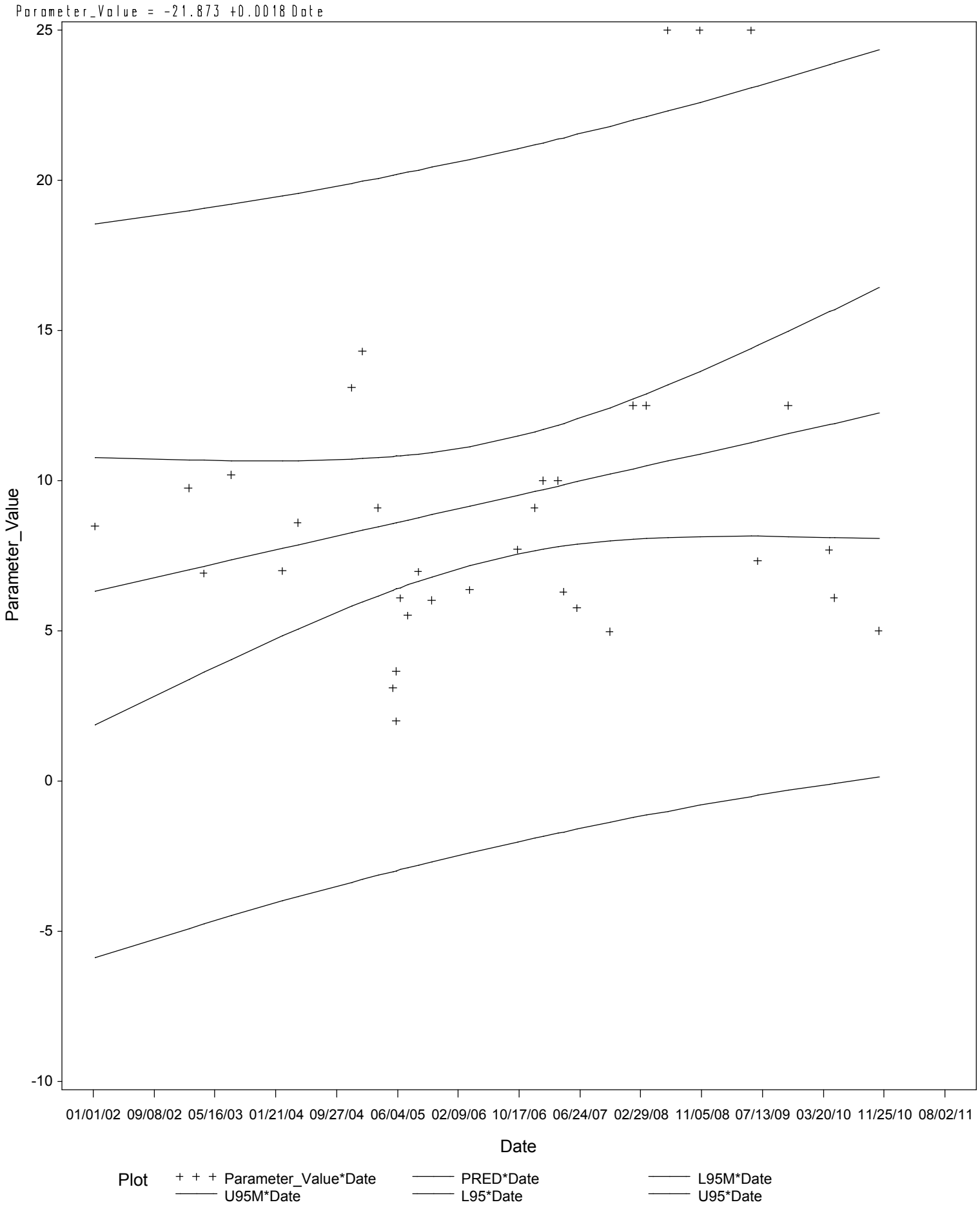
Rio Grande Below Riverside Diversion Dam

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=16272



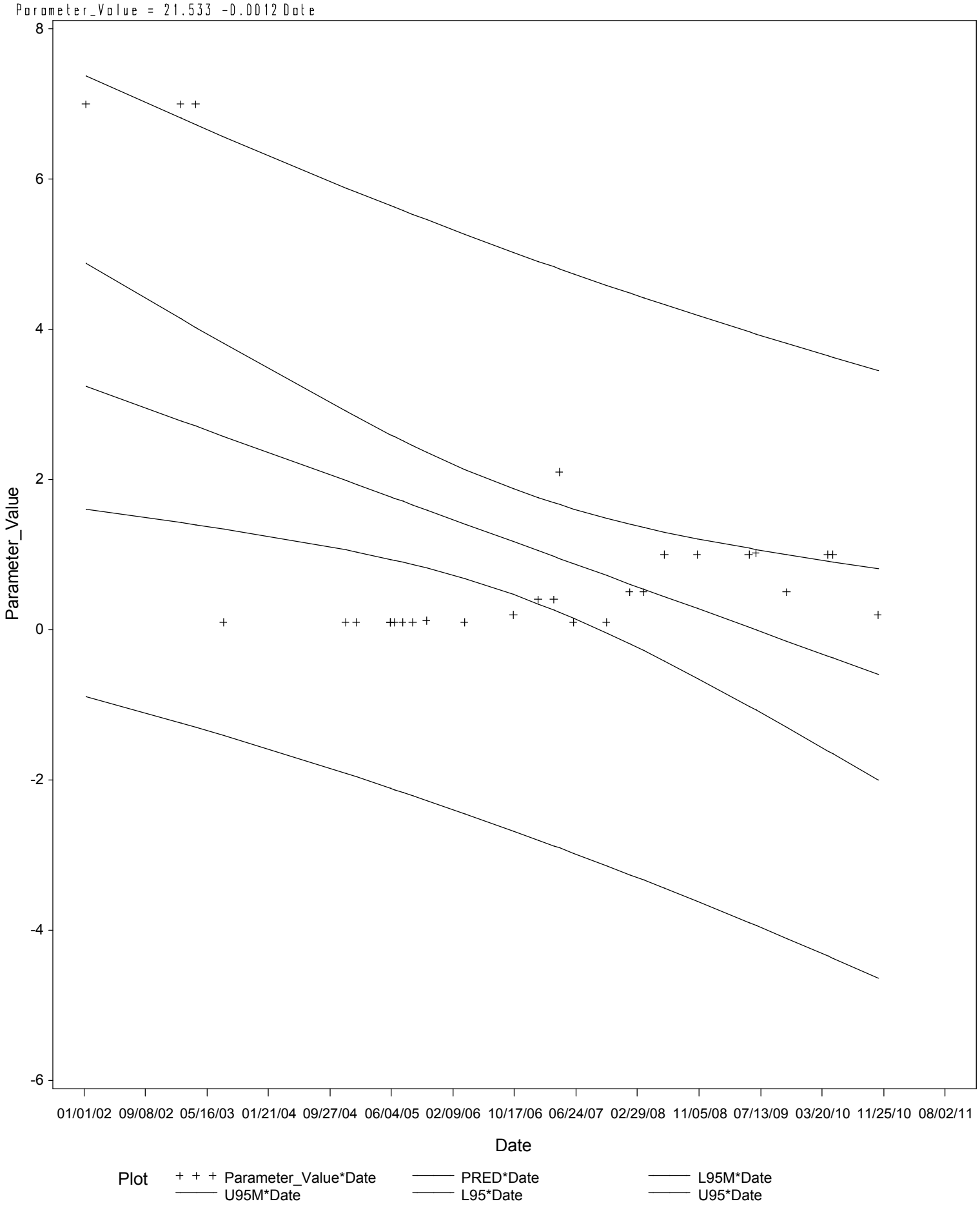
Rio Grande Below Riverside Diversion Dam

Parameter=ARSENIC, DISSOLVED (UG/L AS AS) Station=15795



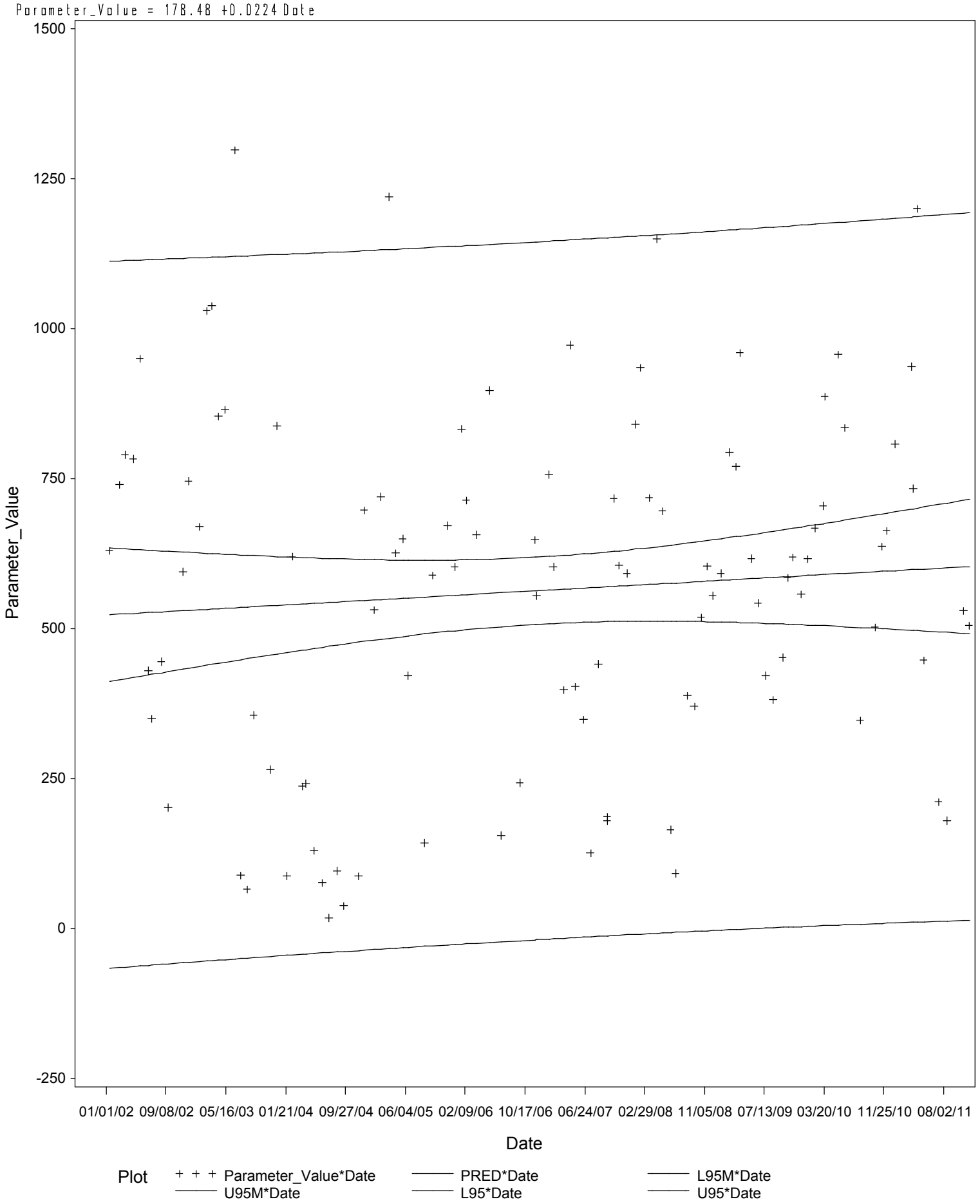
Rio Grande Below Riverside Diversion Dam

Parameter=CADMIUM, DISSOLVED (UG/L AS CD) Station=15795



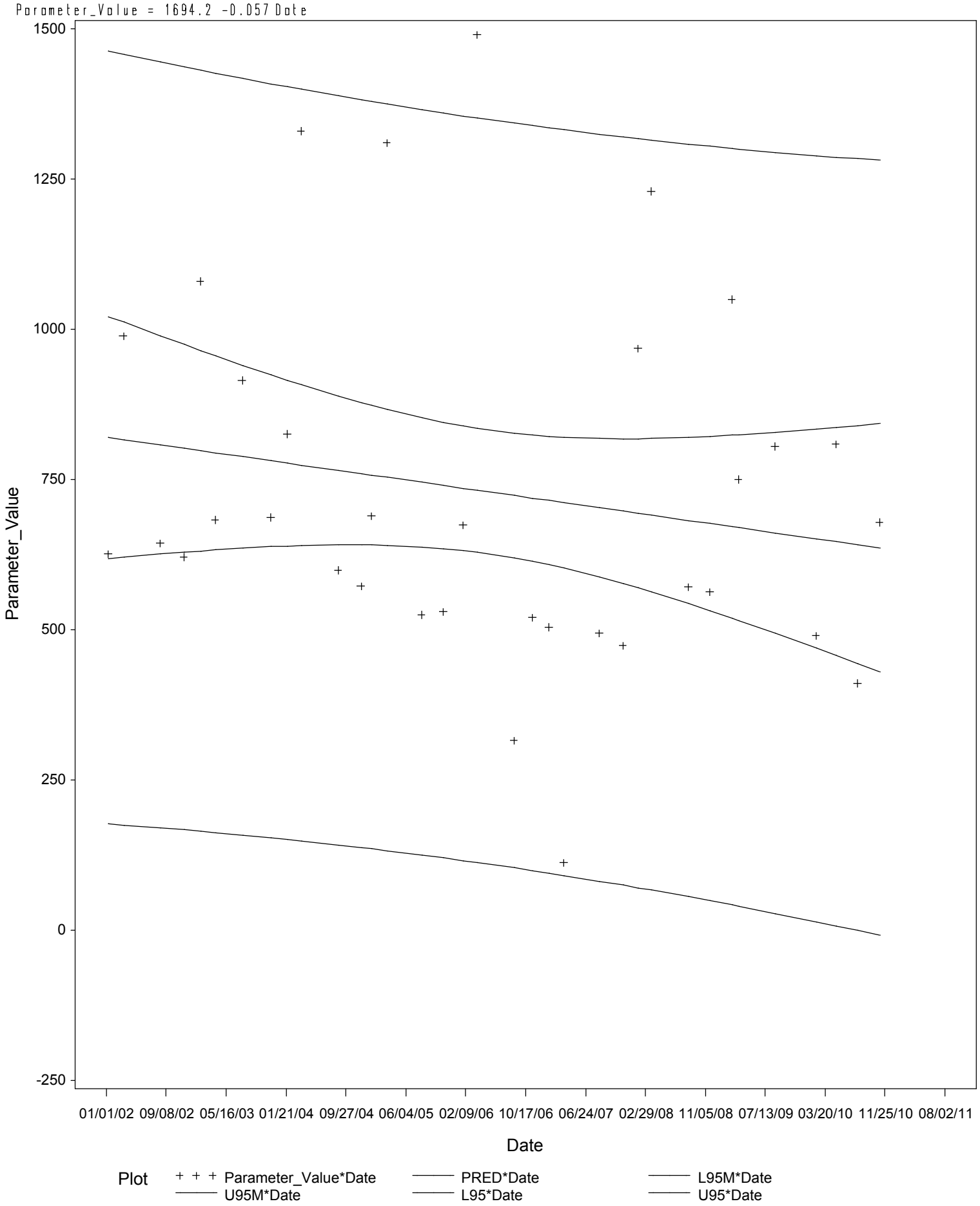
Rio Grande Below Riverside Diversion Dam

Parameter=CHLORIDE (MG/L AS CL) Station=13230



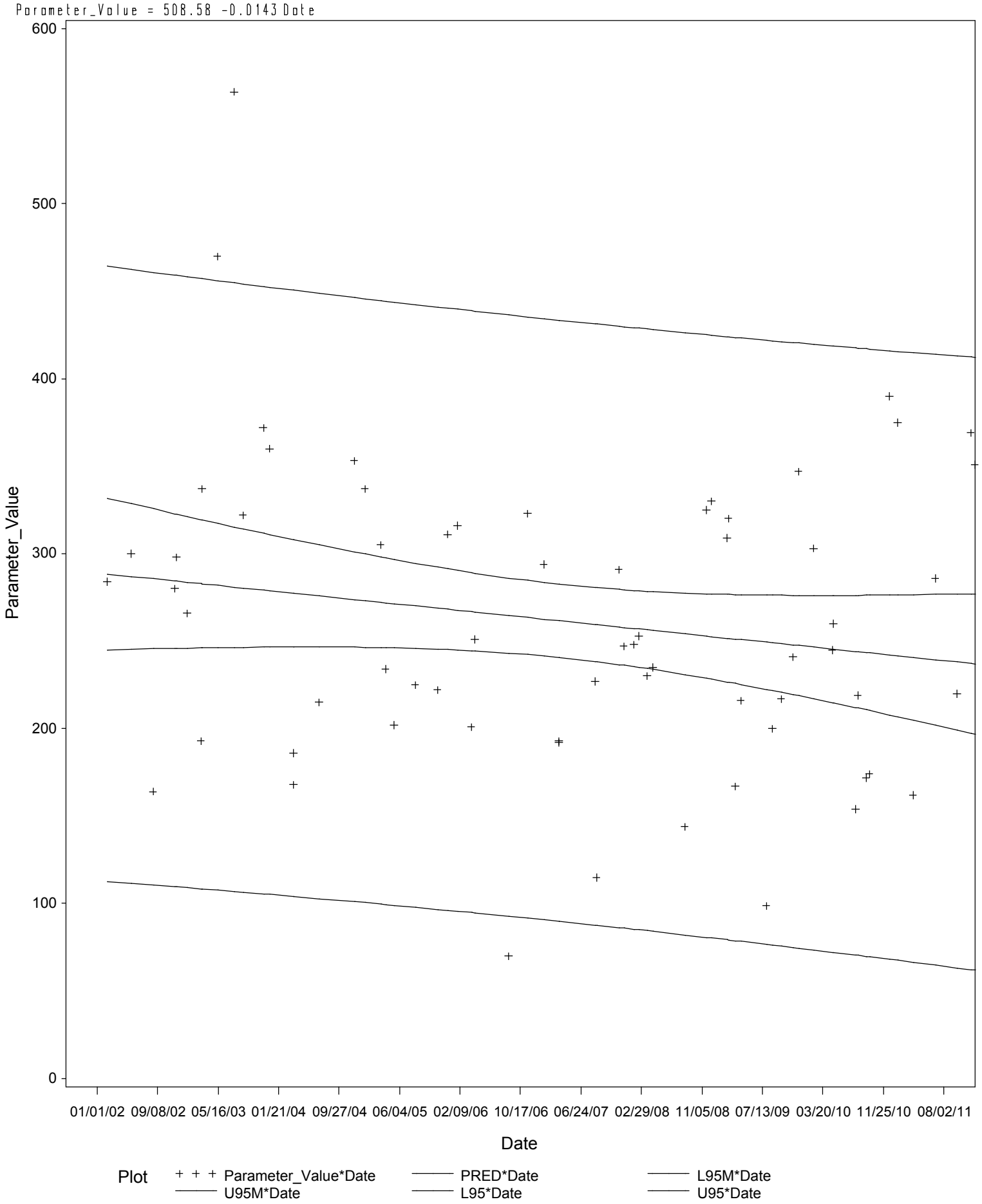
Rio Grande Below Riverside Diversion Dam

Parameter=CHLORIDE (MG/L AS CL) Station=13232



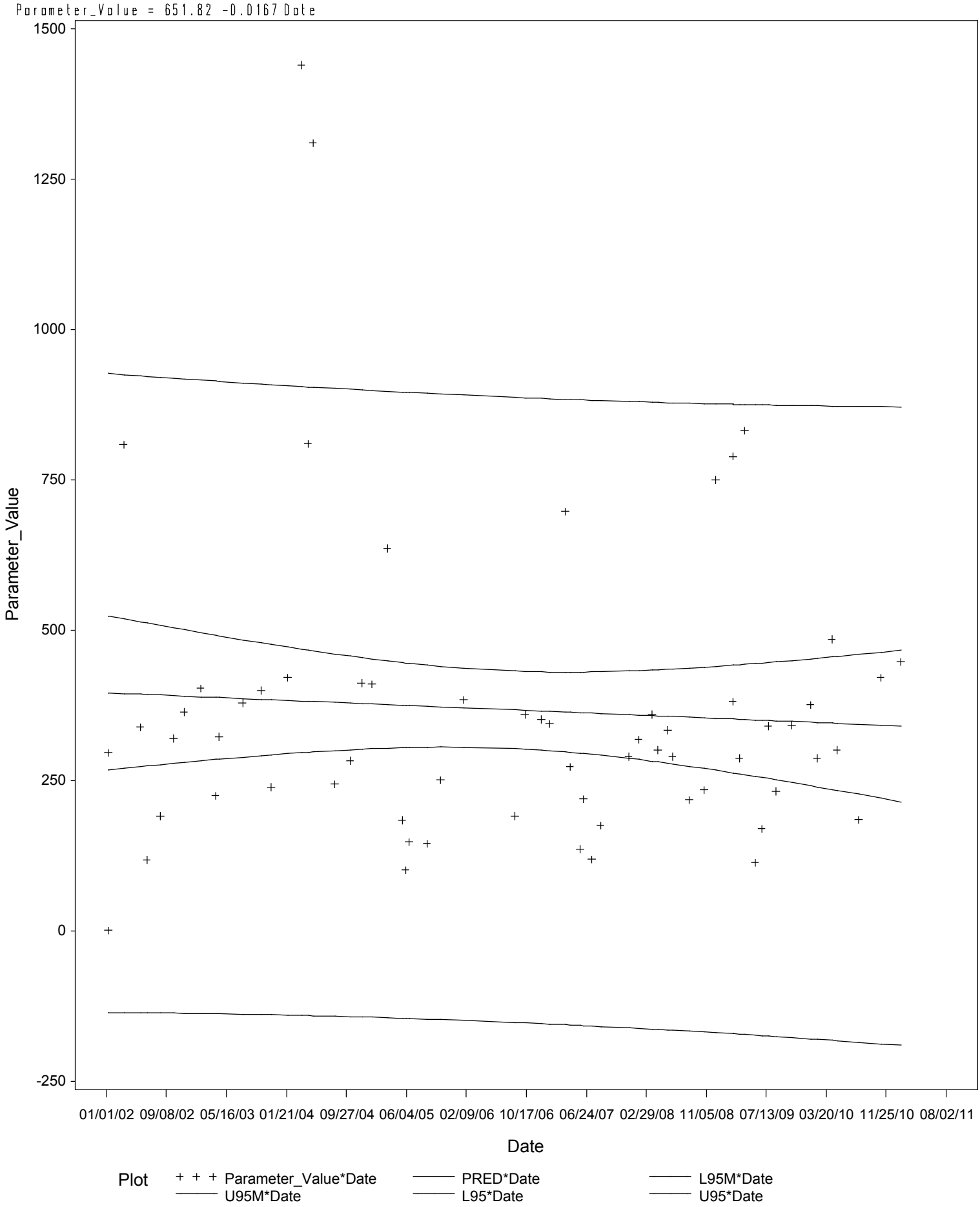
Rio Grande Below Riverside Diversion Dam

Parameter=CHLORIDE (MG/L AS CL) Station=15704



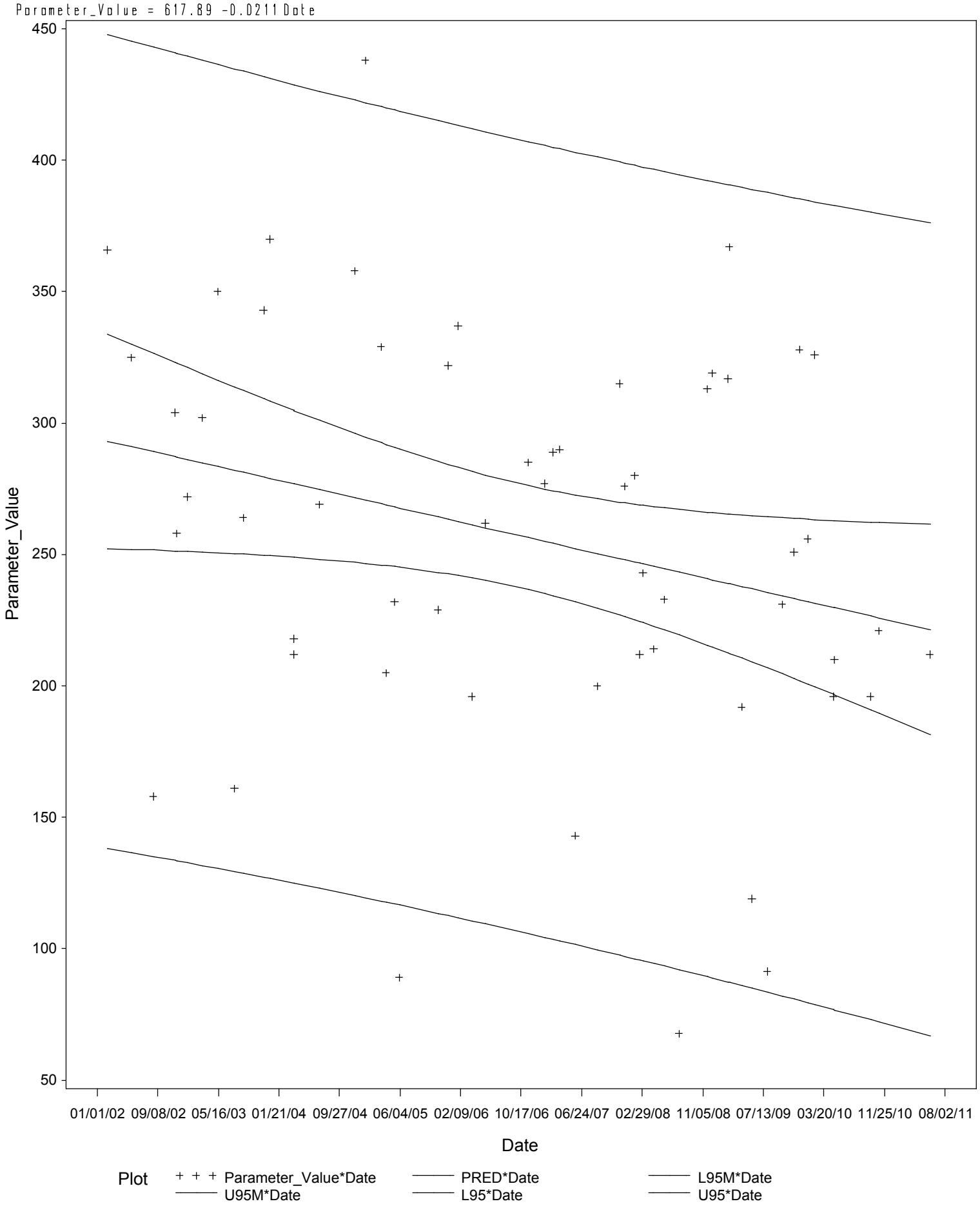
Rio Grande Below Riverside Diversion Dam

Parameter=CHLORIDE (MG/L AS CL) Station=15795



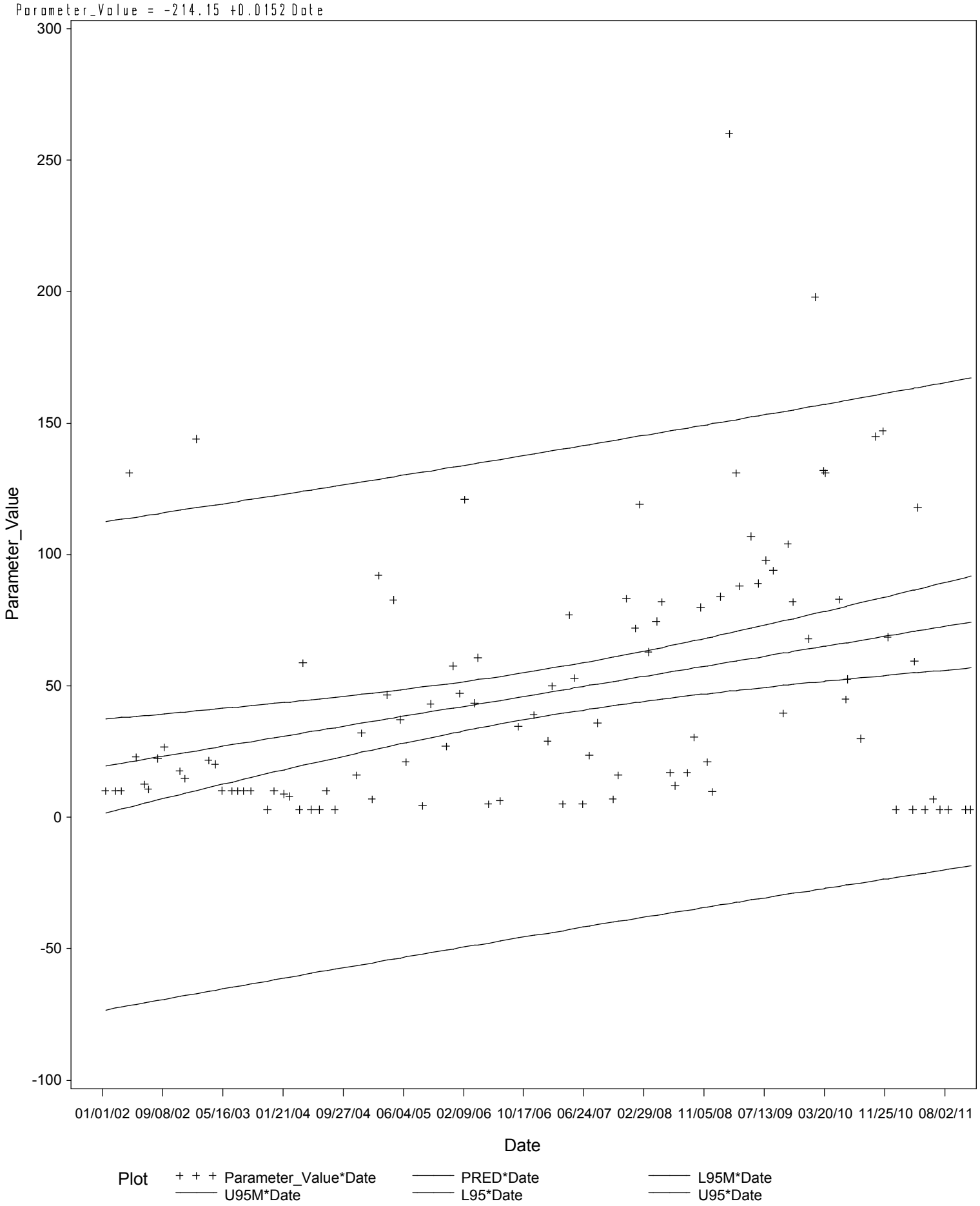
Rio Grande Below Riverside Diversion Dam

Parameter=CHLORIDE (MG/L AS CL) Station=16272



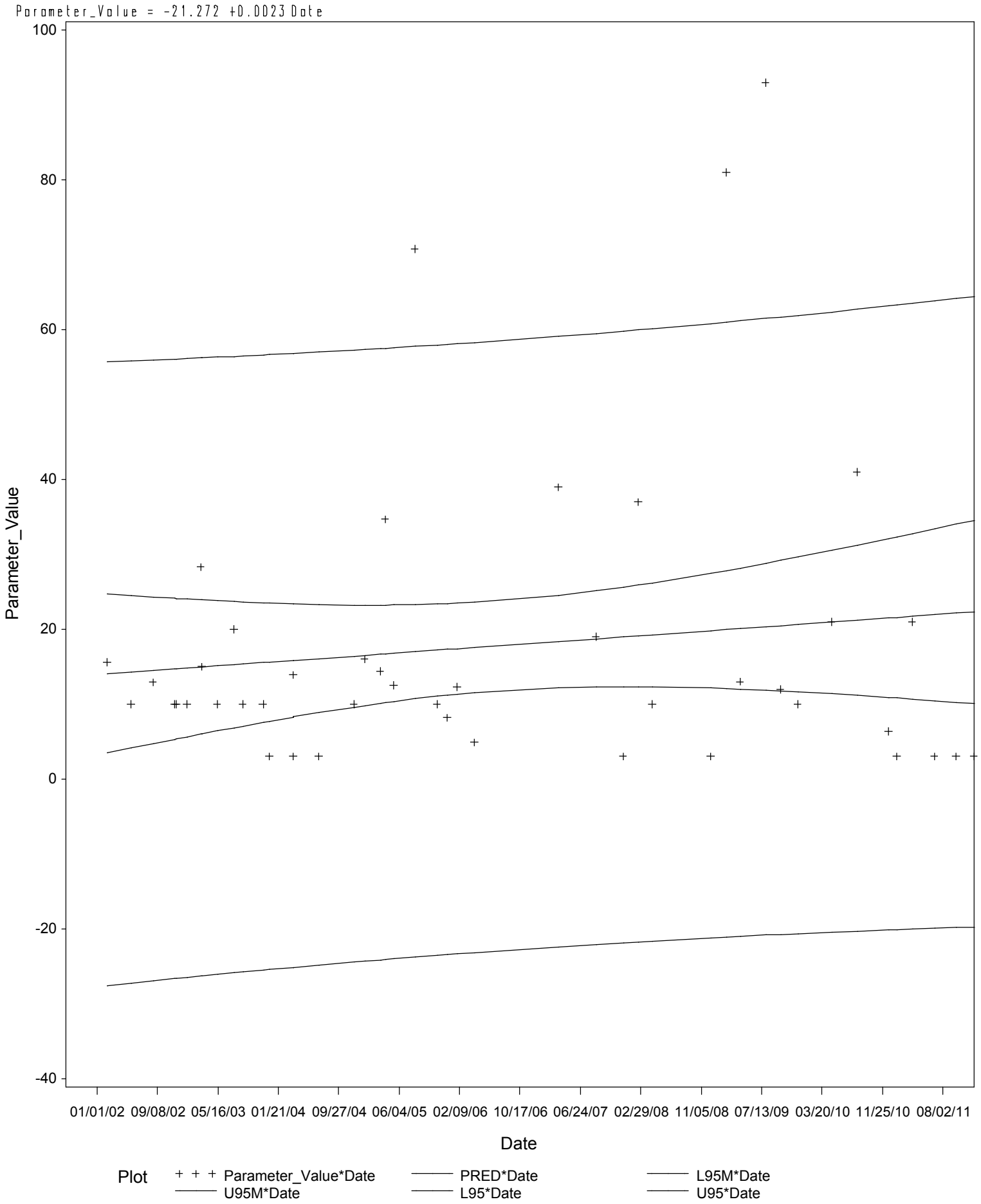
Rio Grande Below Riverside Diversion Dam

Parameter=CHLOROPHYLL-A, UG/L Station=13230



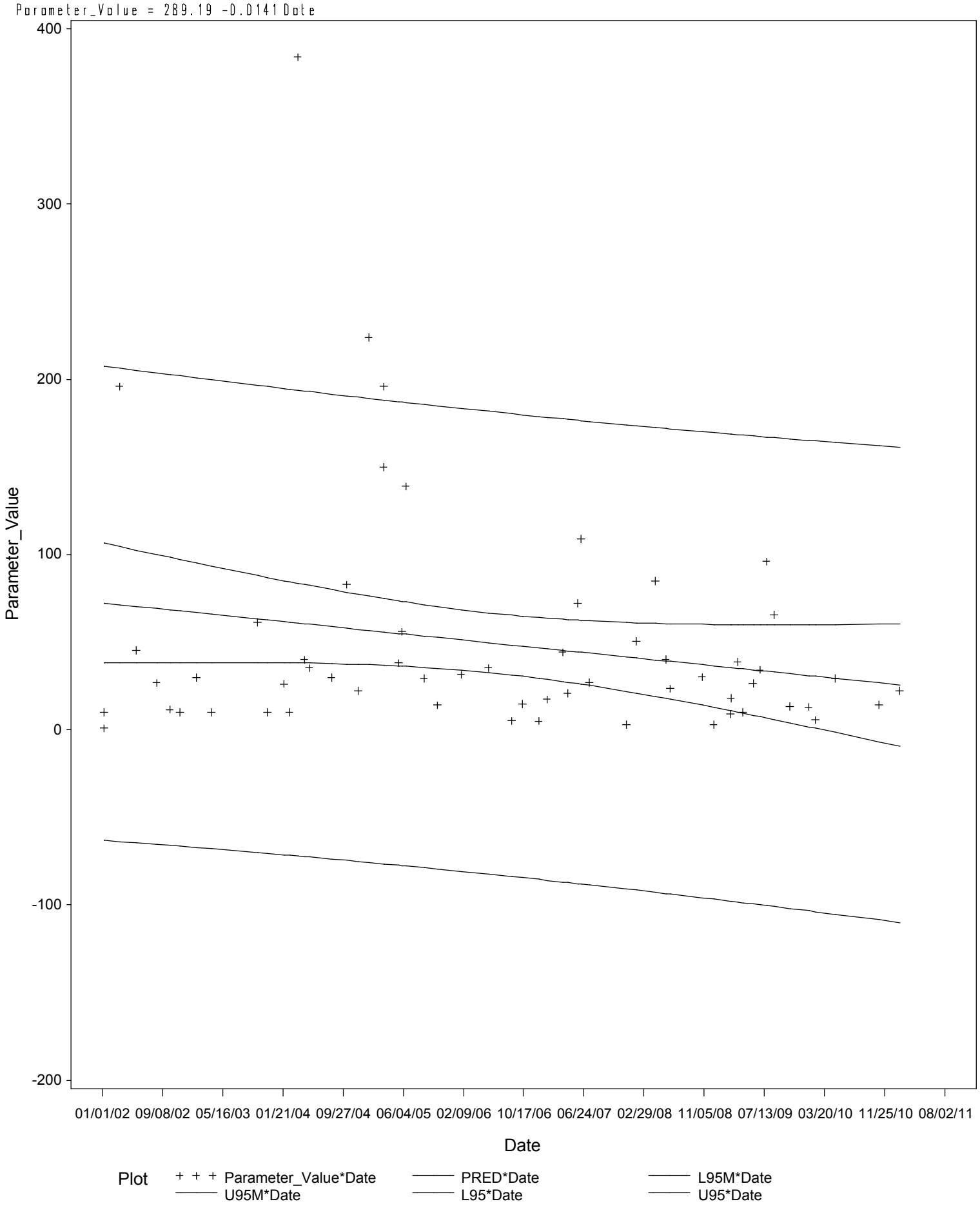
Rio Grande Below Riverside Diversion Dam

Parameter=CHLOROPHYLL-A, UG/L Station=15704



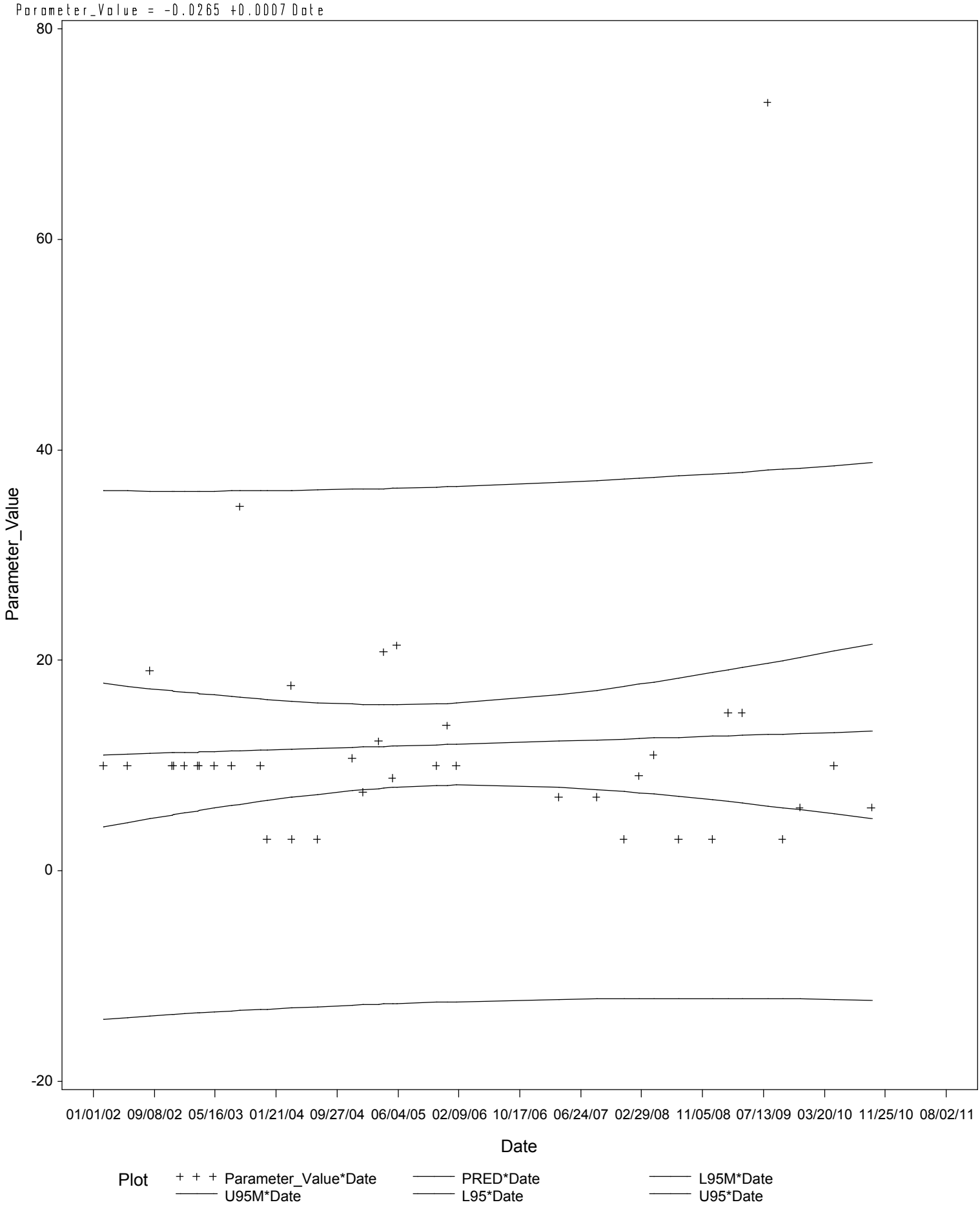
Rio Grande Below Riverside Diversion Dam

Parameter=CHLOROPHYLL-A, UG/L Station=15795



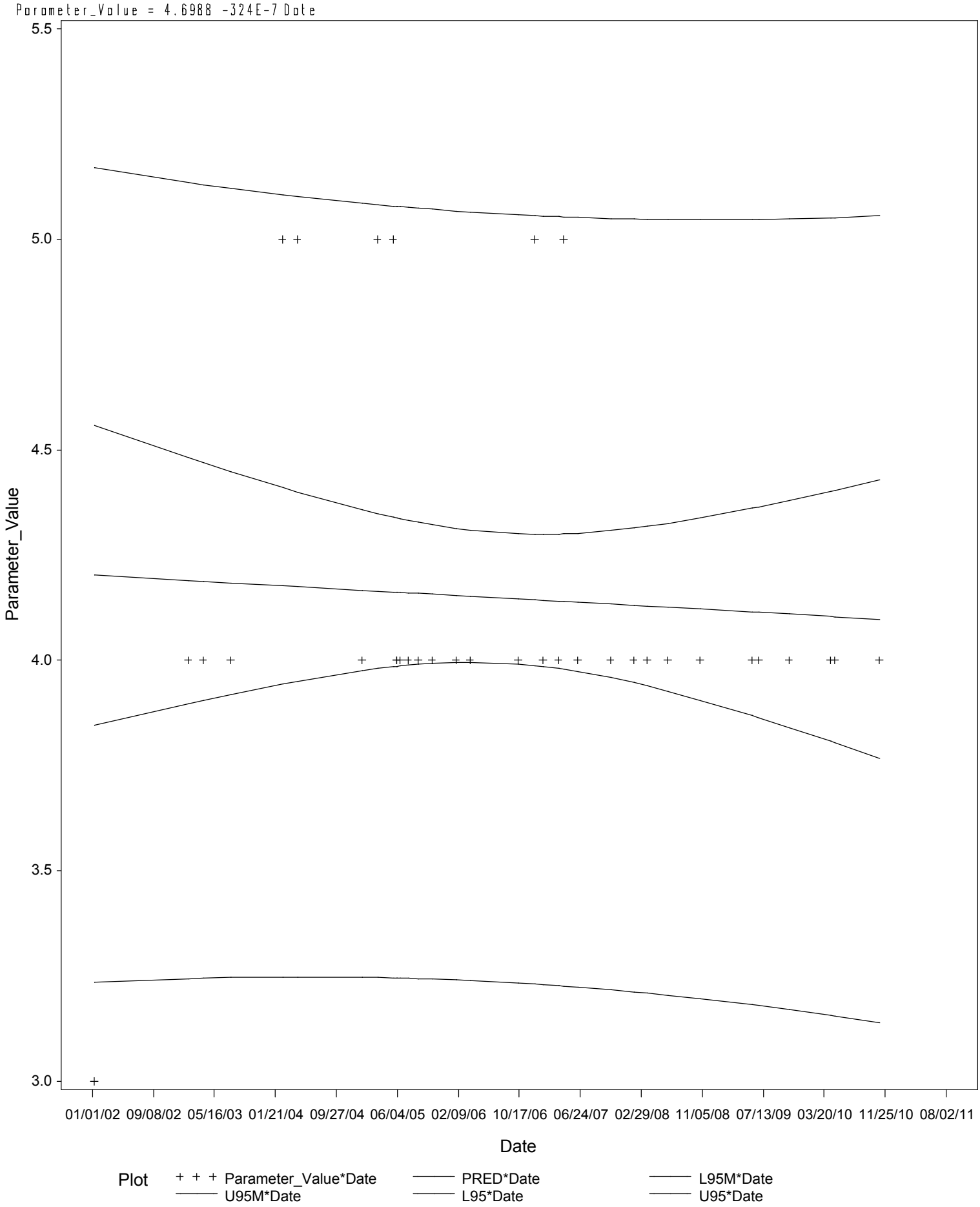
Rio Grande Below Riverside Diversion Dam

Parameter=CHLOROPHYLL-A, UG/L Station=16272



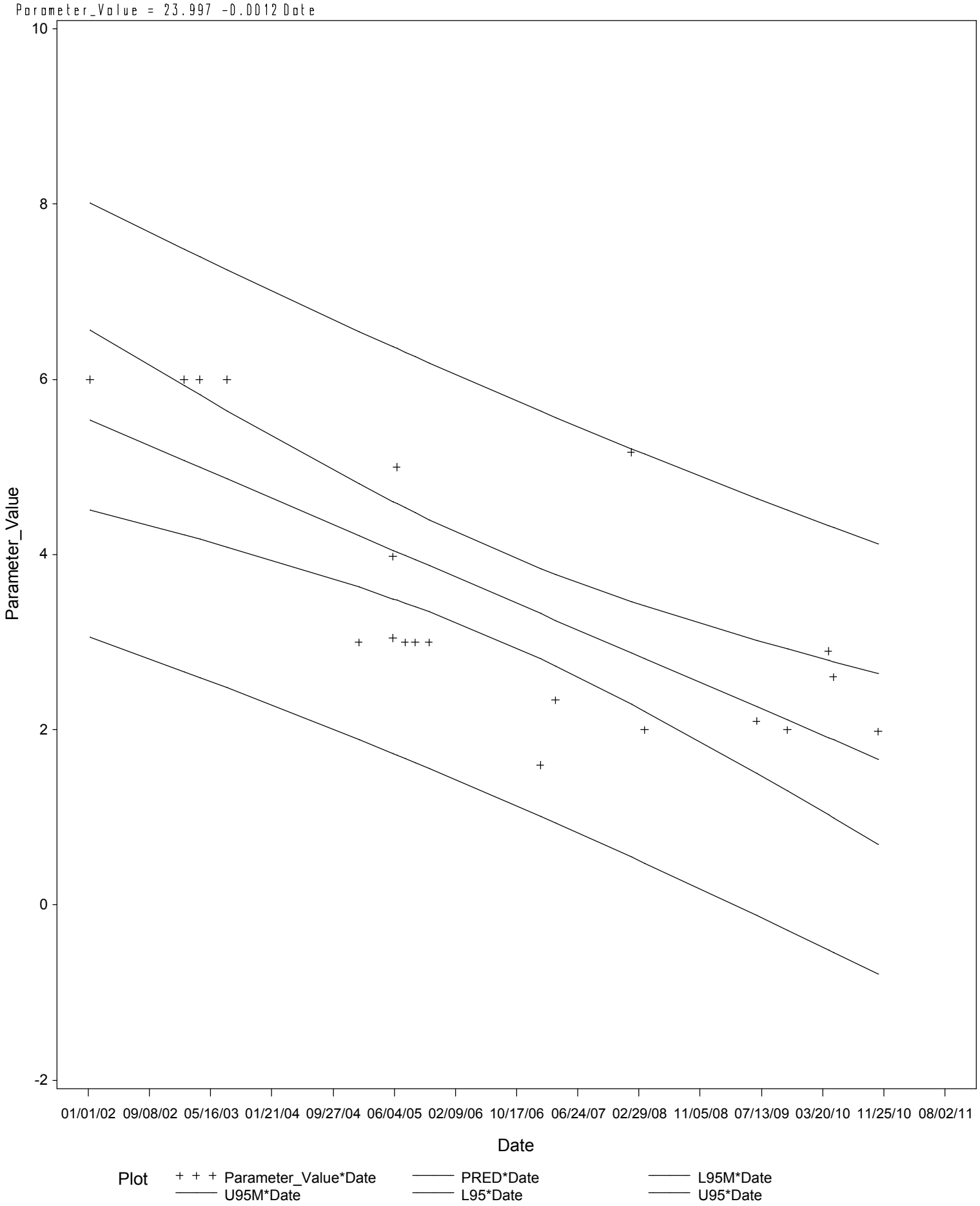
Rio Grande Below Riverside Diversion Dam

Parameter=CHROMIUM, DISSOLVED (UG/L AS CR) Station=15795



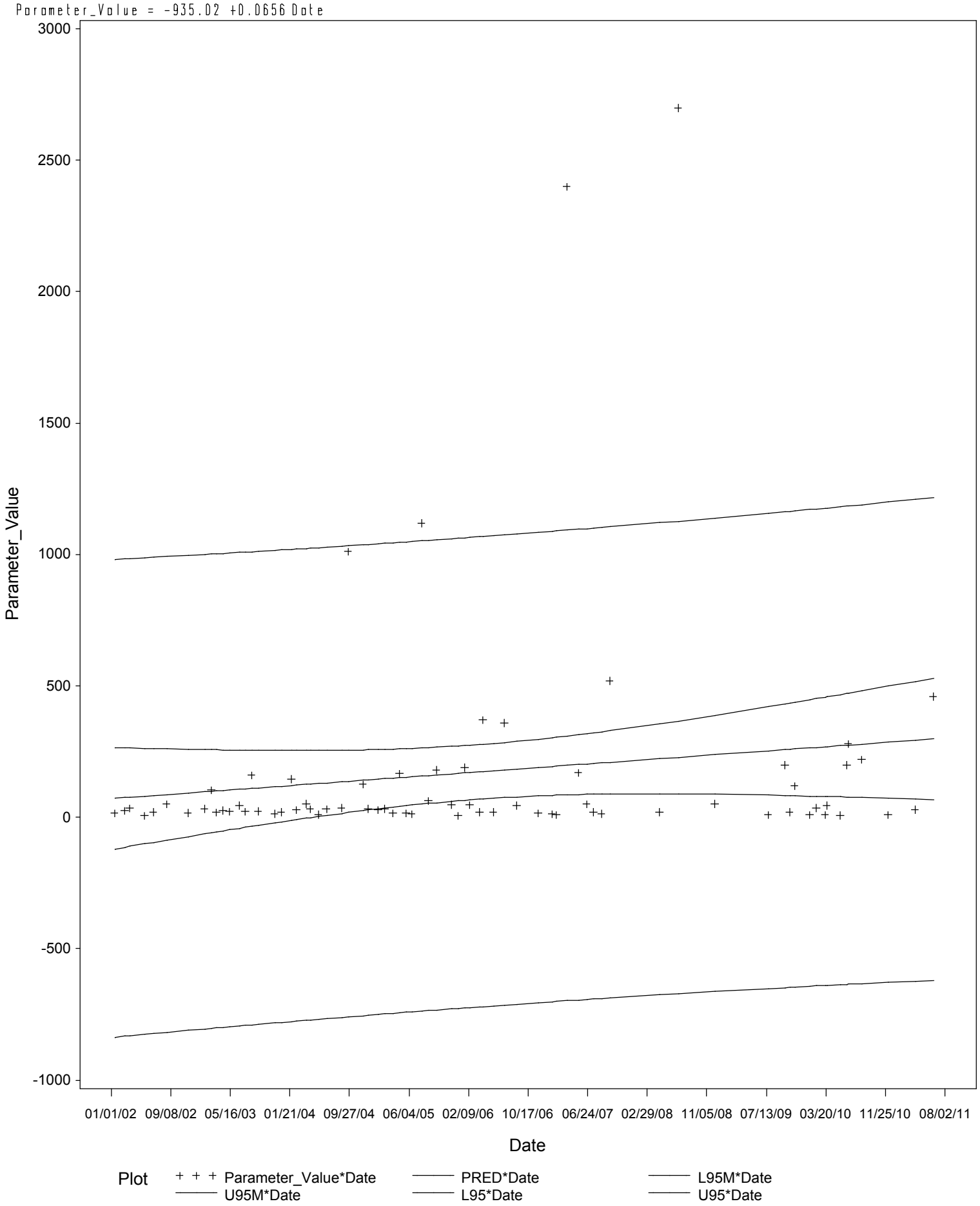
Rio Grande Below Riverside Diversion Dam

Parameter=COPPER, DISSOLVED (UG/L AS CU) Station=15795



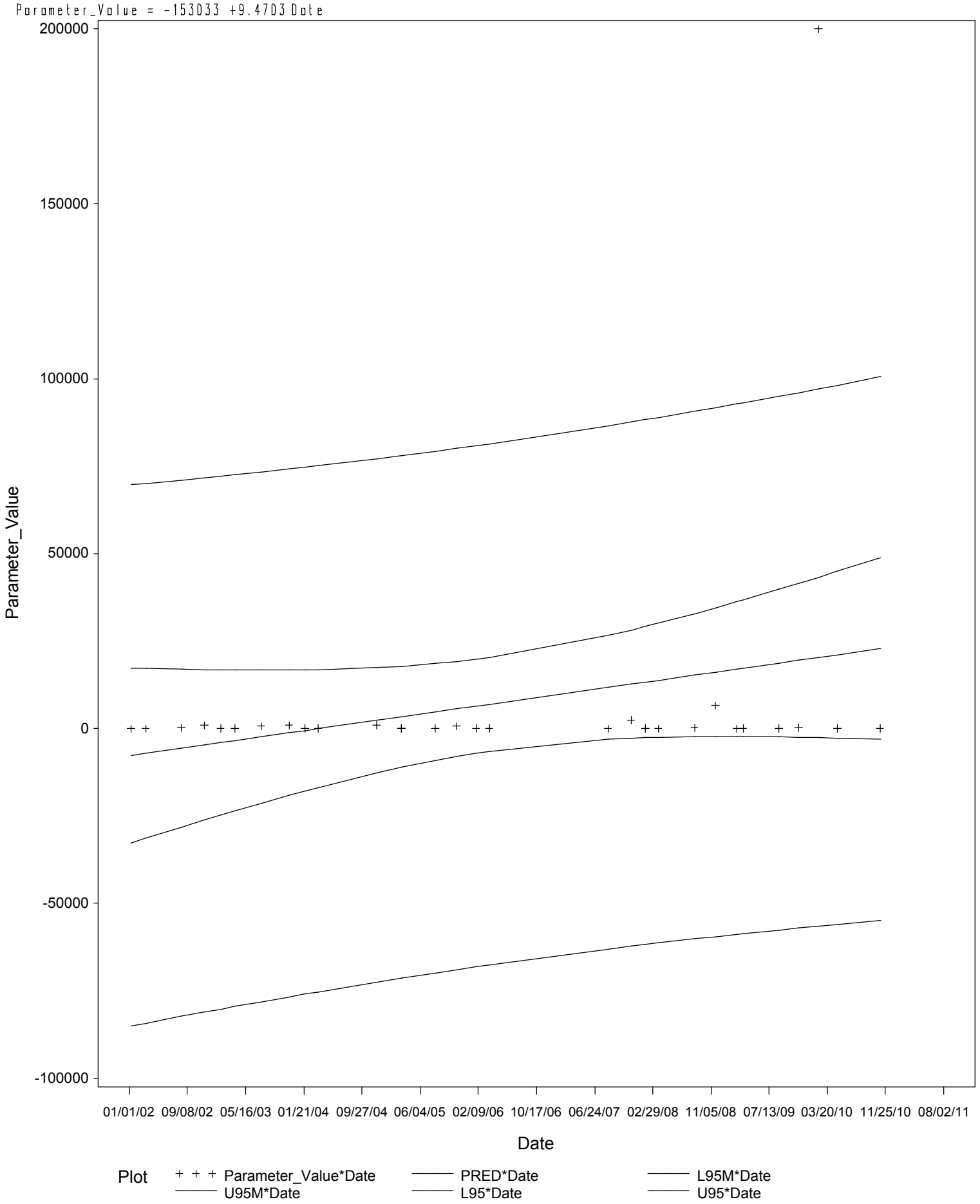
Rio Grande Below Riverside Diversion Dam

Parameter=E. COLI, MPN/100ML Station=13230



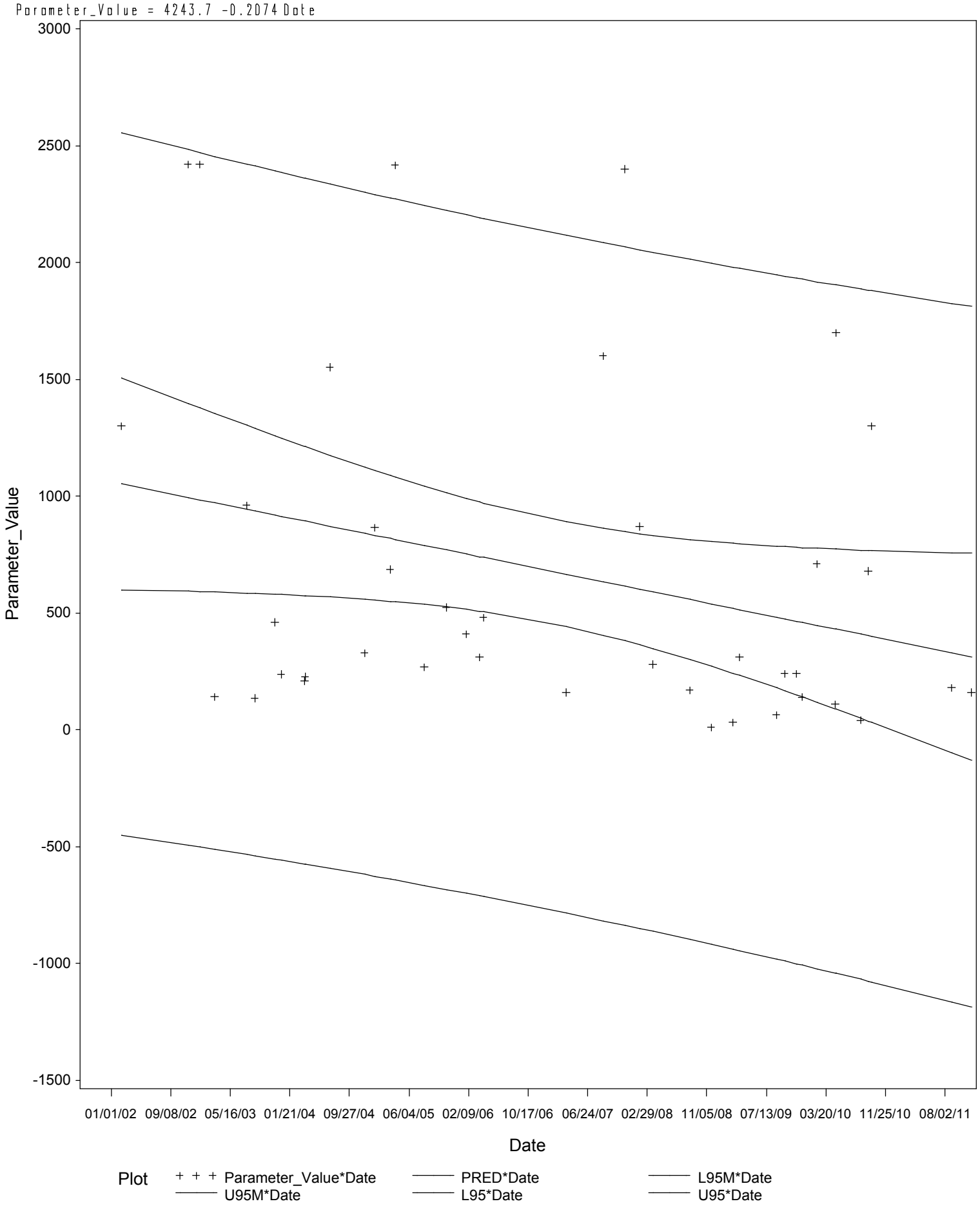
Rio Grande Below Riverside Diversion Dam

Parameter=E. COLI, MPN/100ML Station=13232



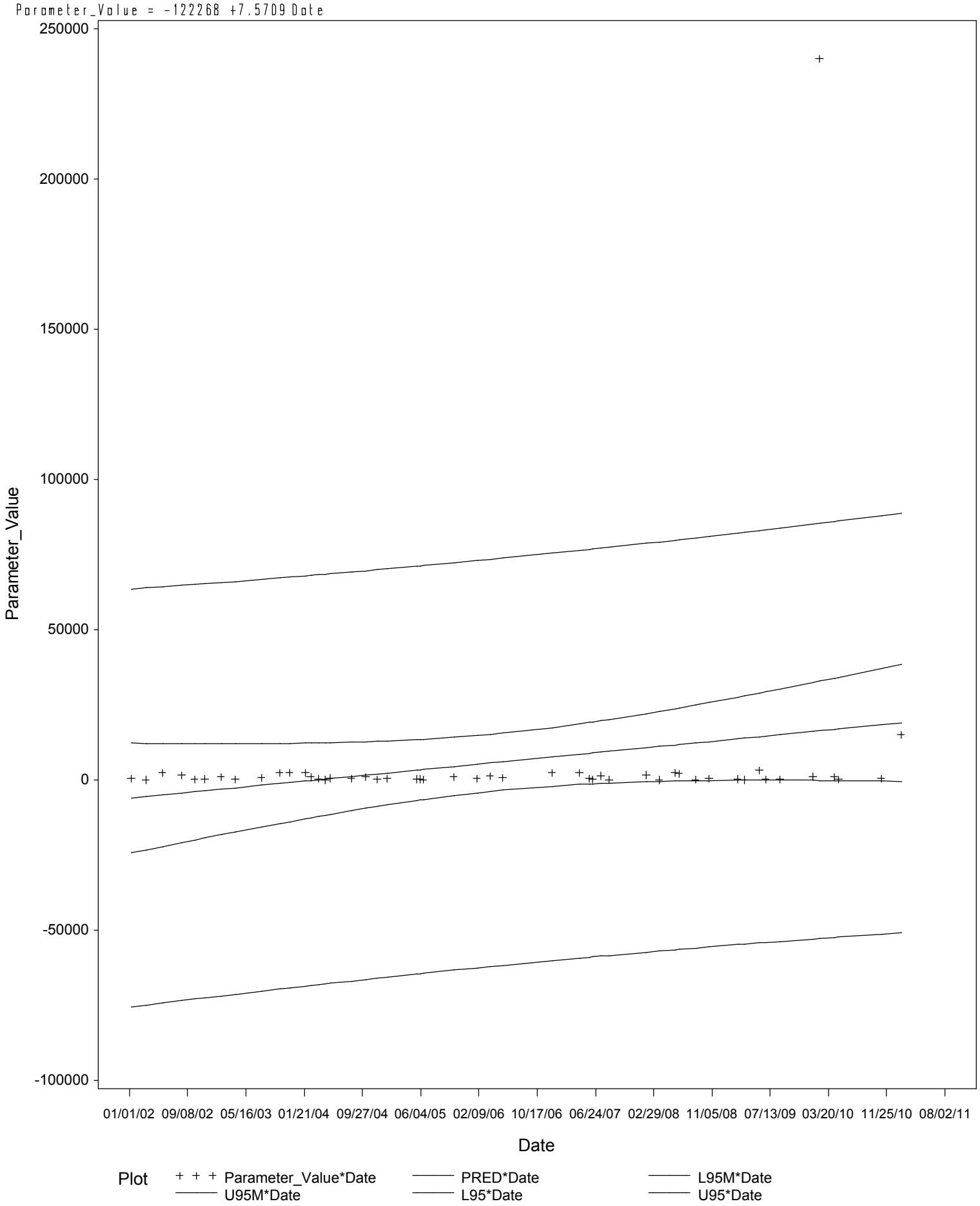
Rio Grande Below Riverside Diversion Dam

Parameter=E. COLI, MPN/100ML Station=15704



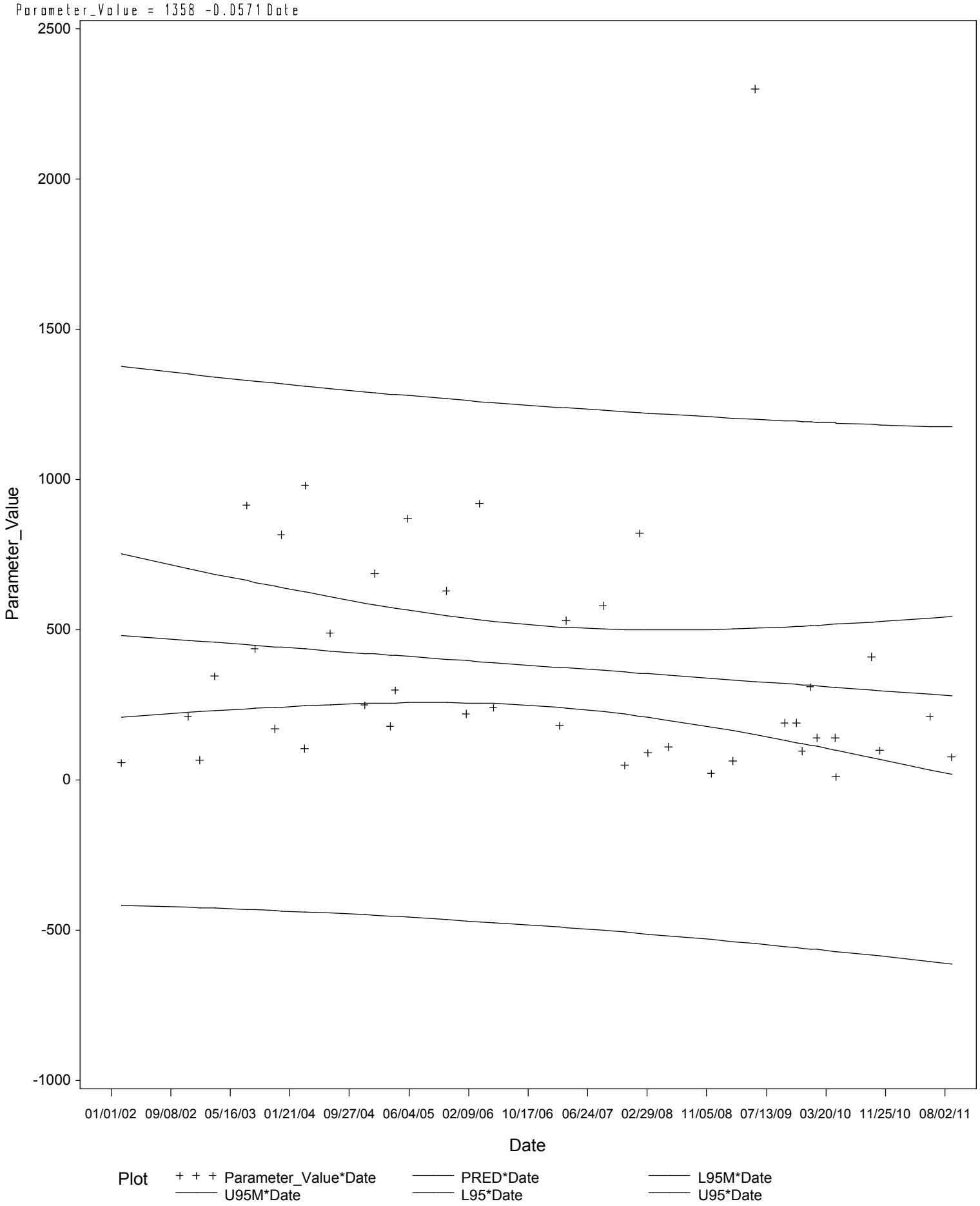
Rio Grande Below Riverside Diversion Dam

Parameter=E. COLI, MPN/100ML Station=15795



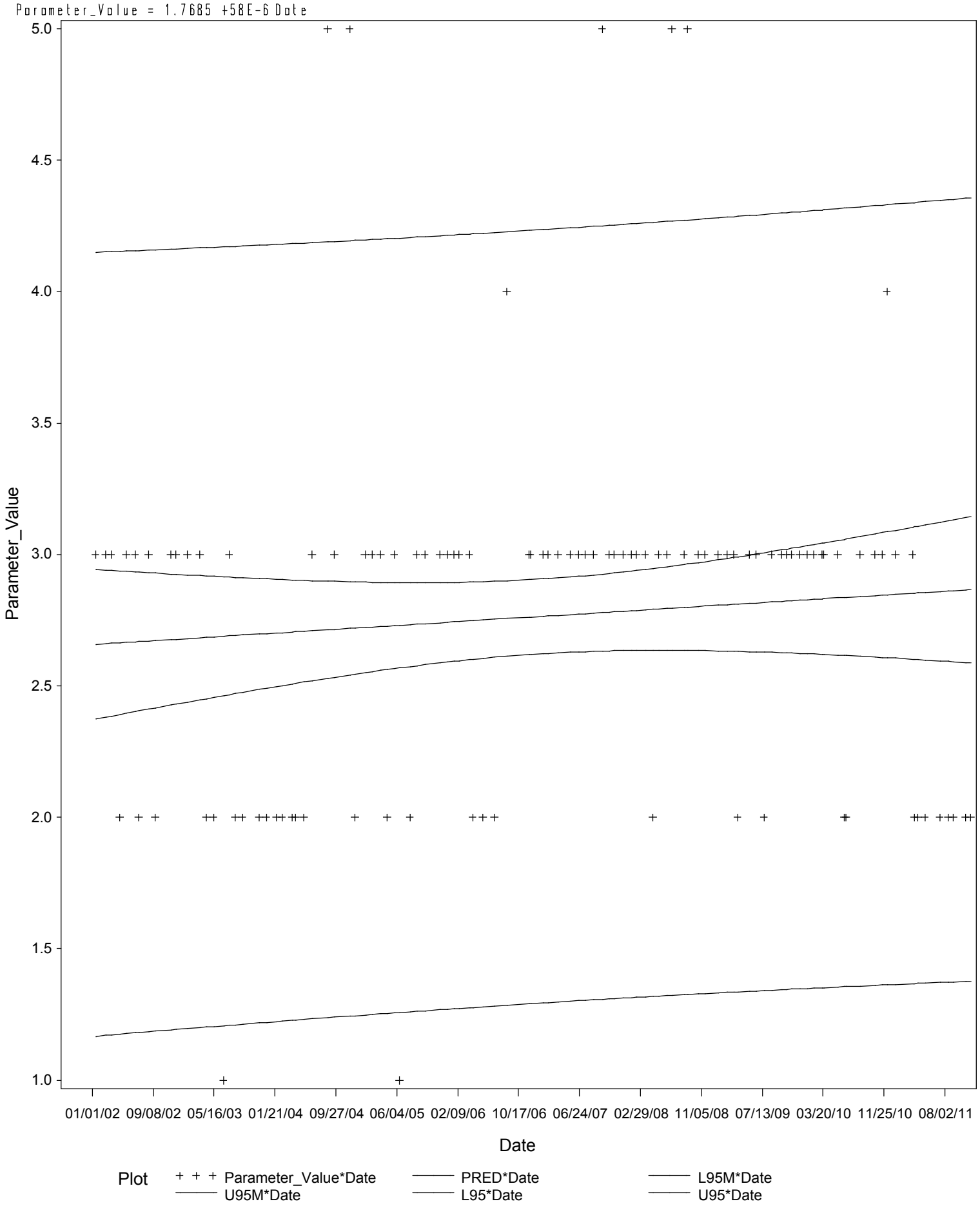
Rio Grande Below Riverside Diversion Dam

Parameter=E. COLI, MPN/100ML Station=16272



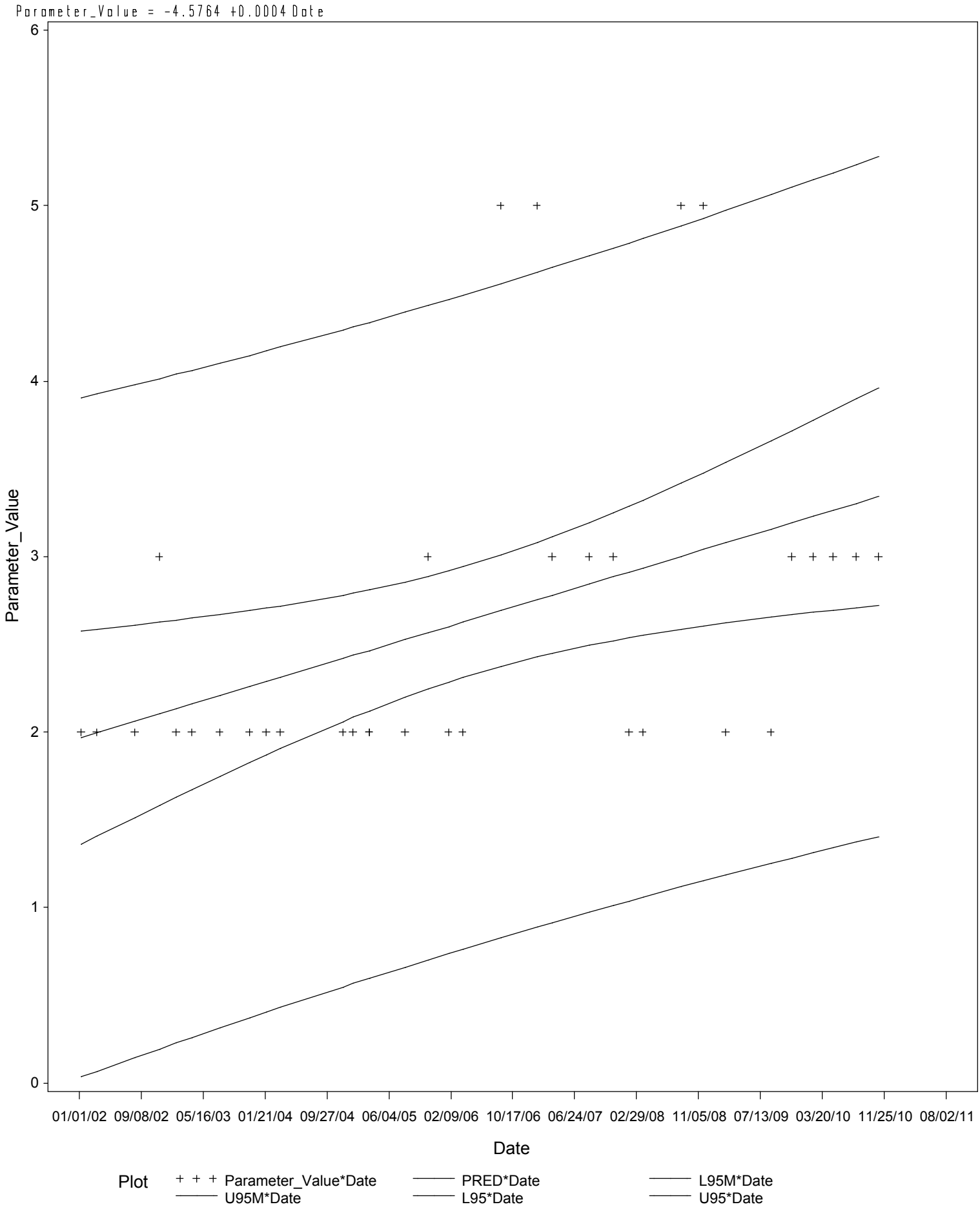
Rio Grande Below Riverside Diversion Dam

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13230



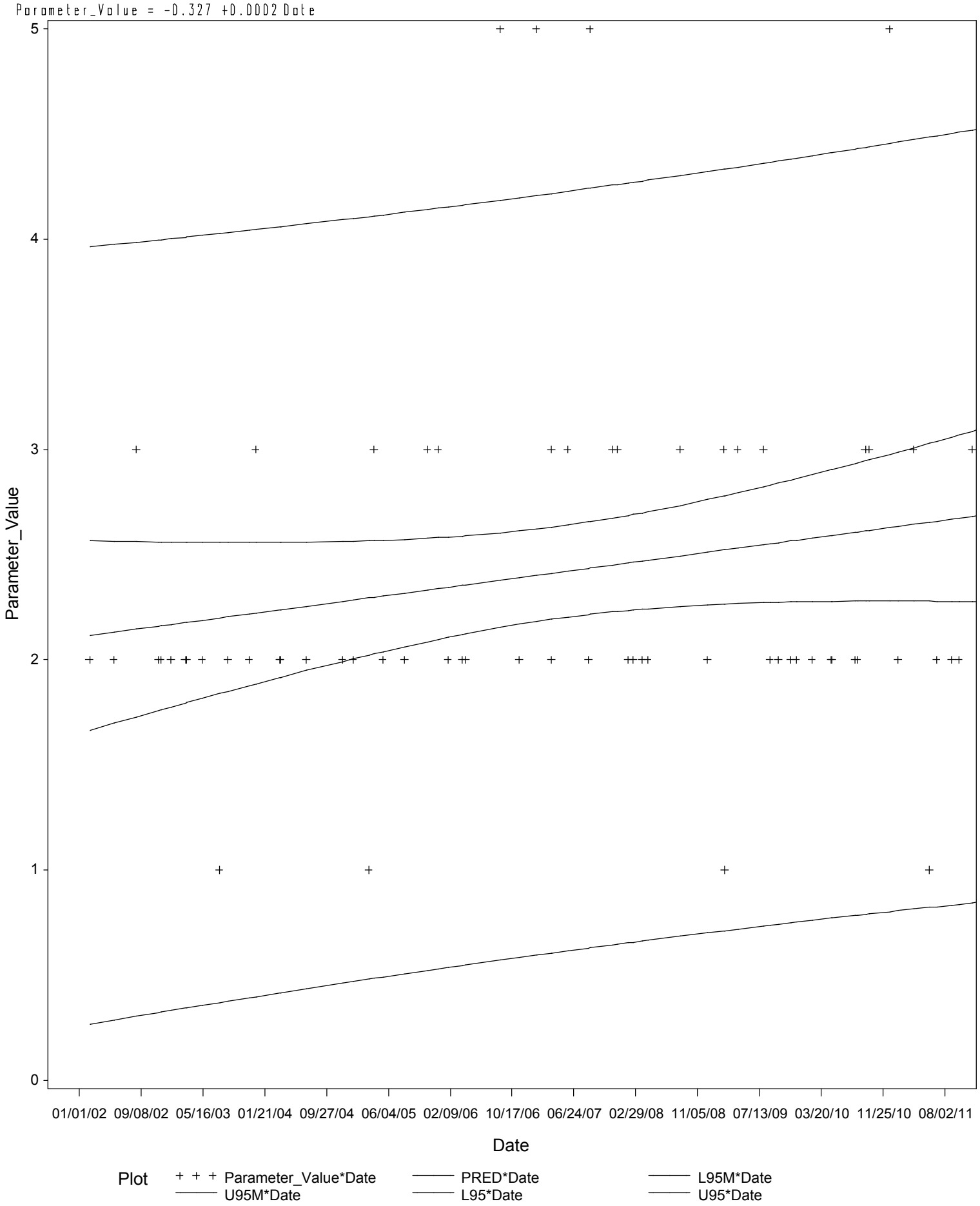
Rio Grande Below Riverside Diversion Dam

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13232



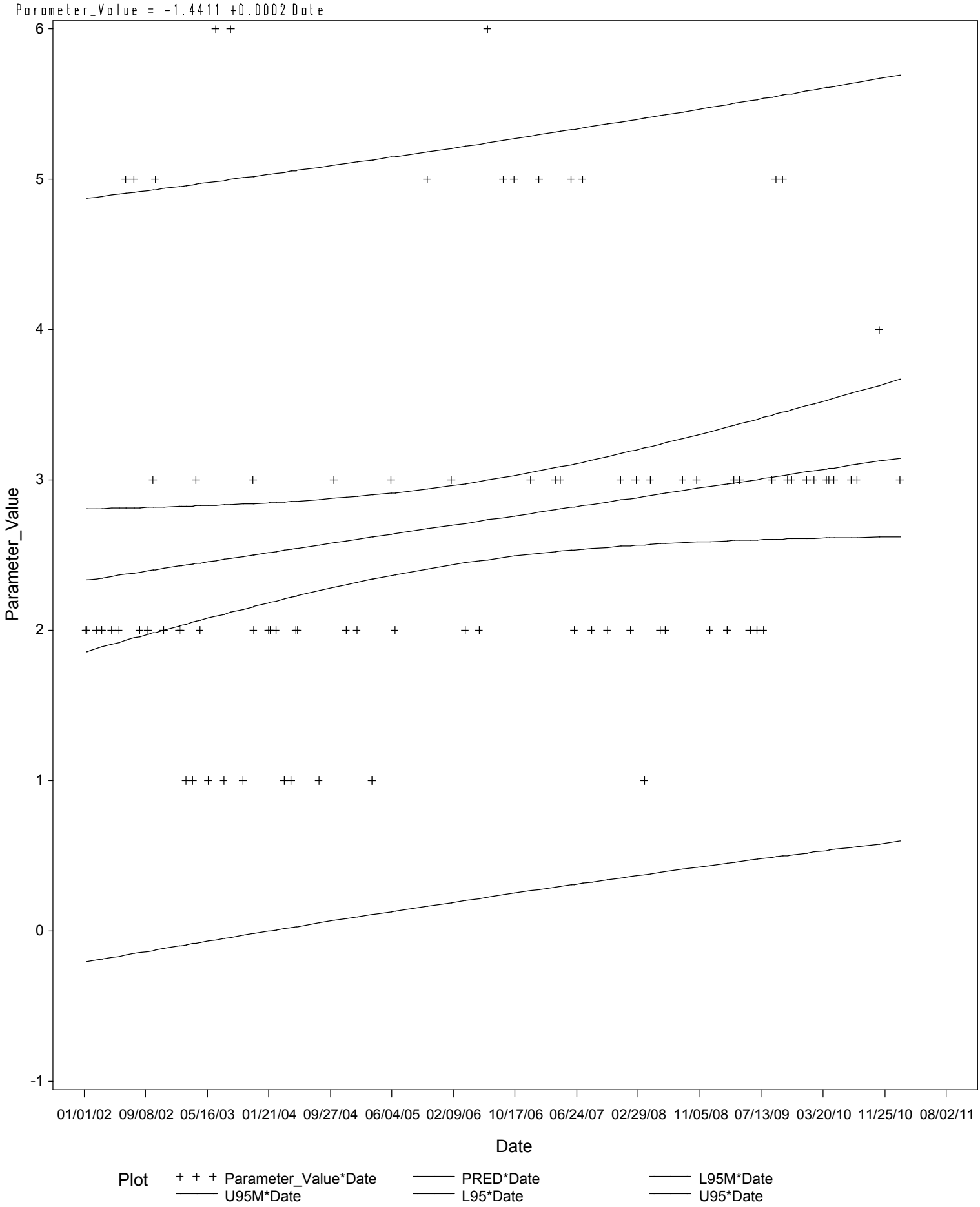
Rio Grande Below Riverside Diversion Dam

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=15704



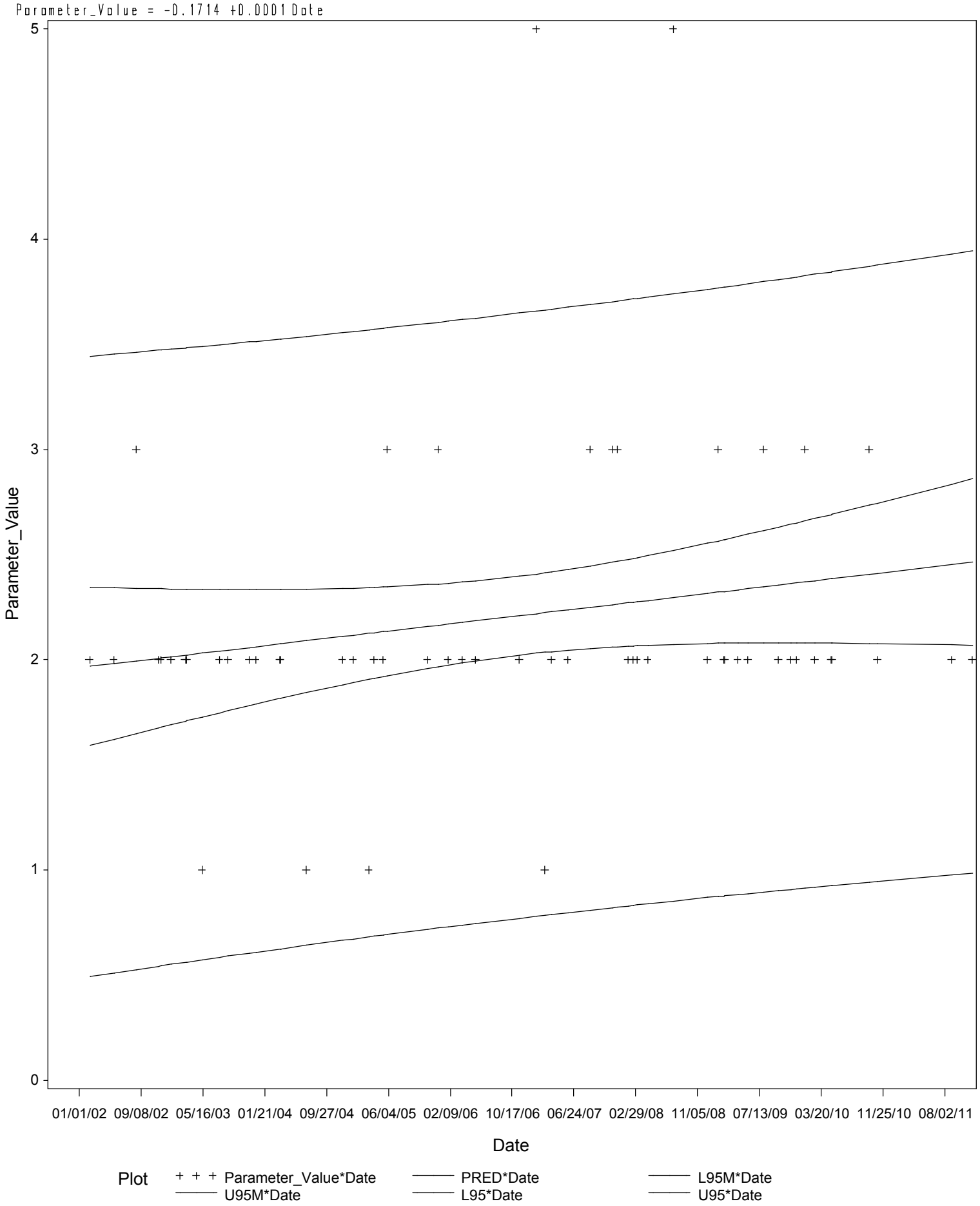
Rio Grande Below Riverside Diversion Dam

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=15795



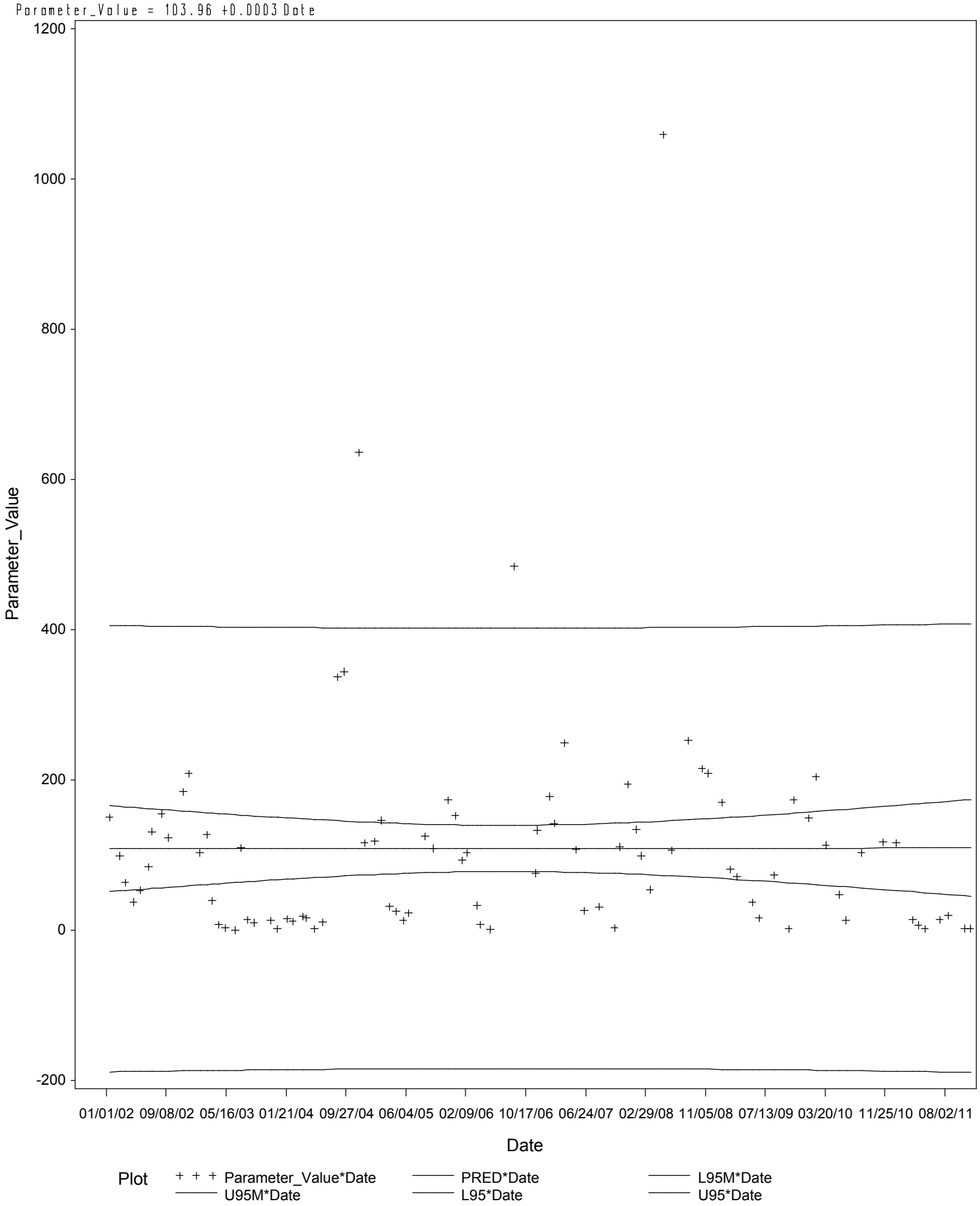
Rio Grande Below Riverside Diversion Dam

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=16272



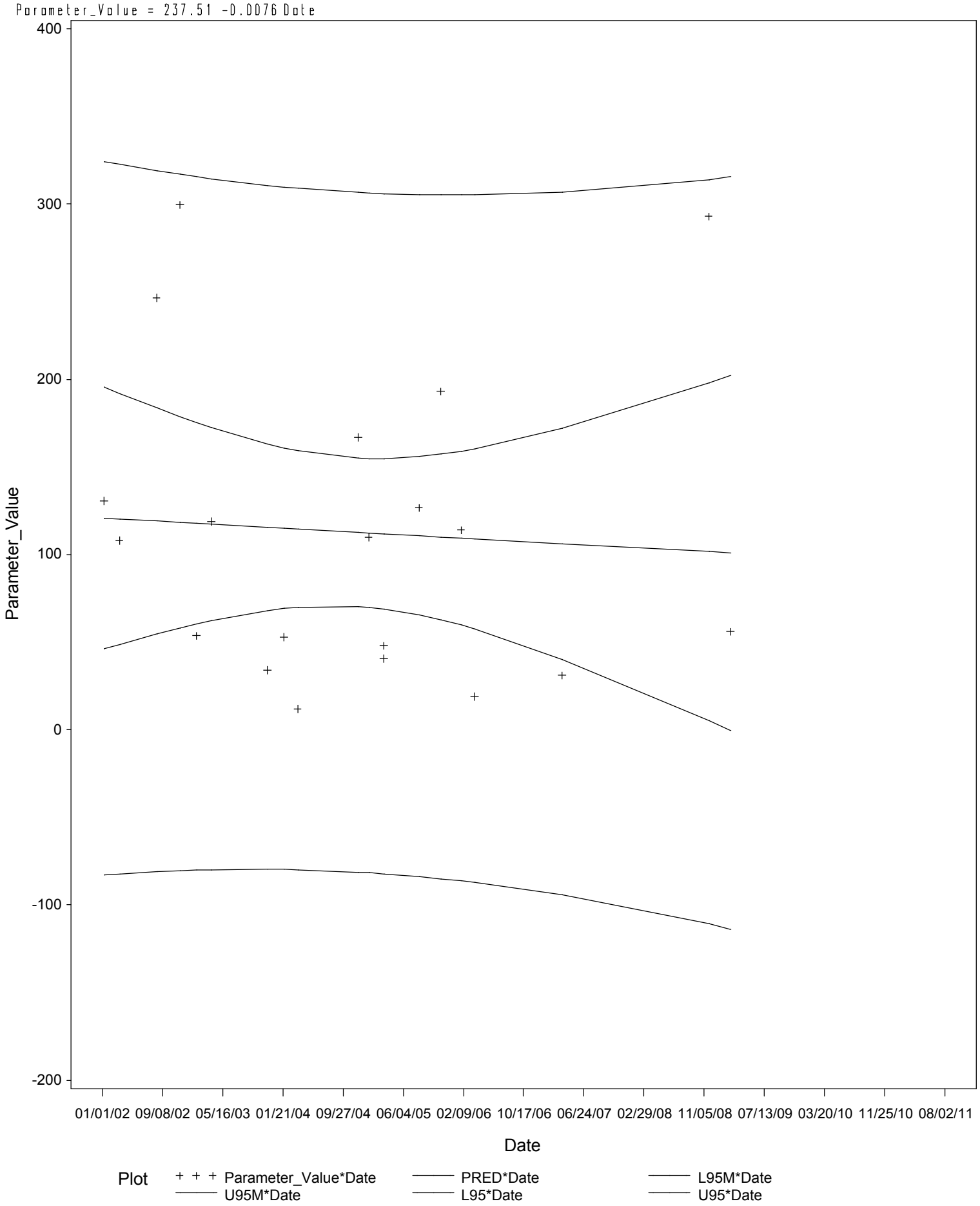
Rio Grande Below Riverside Diversion Dam

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13230



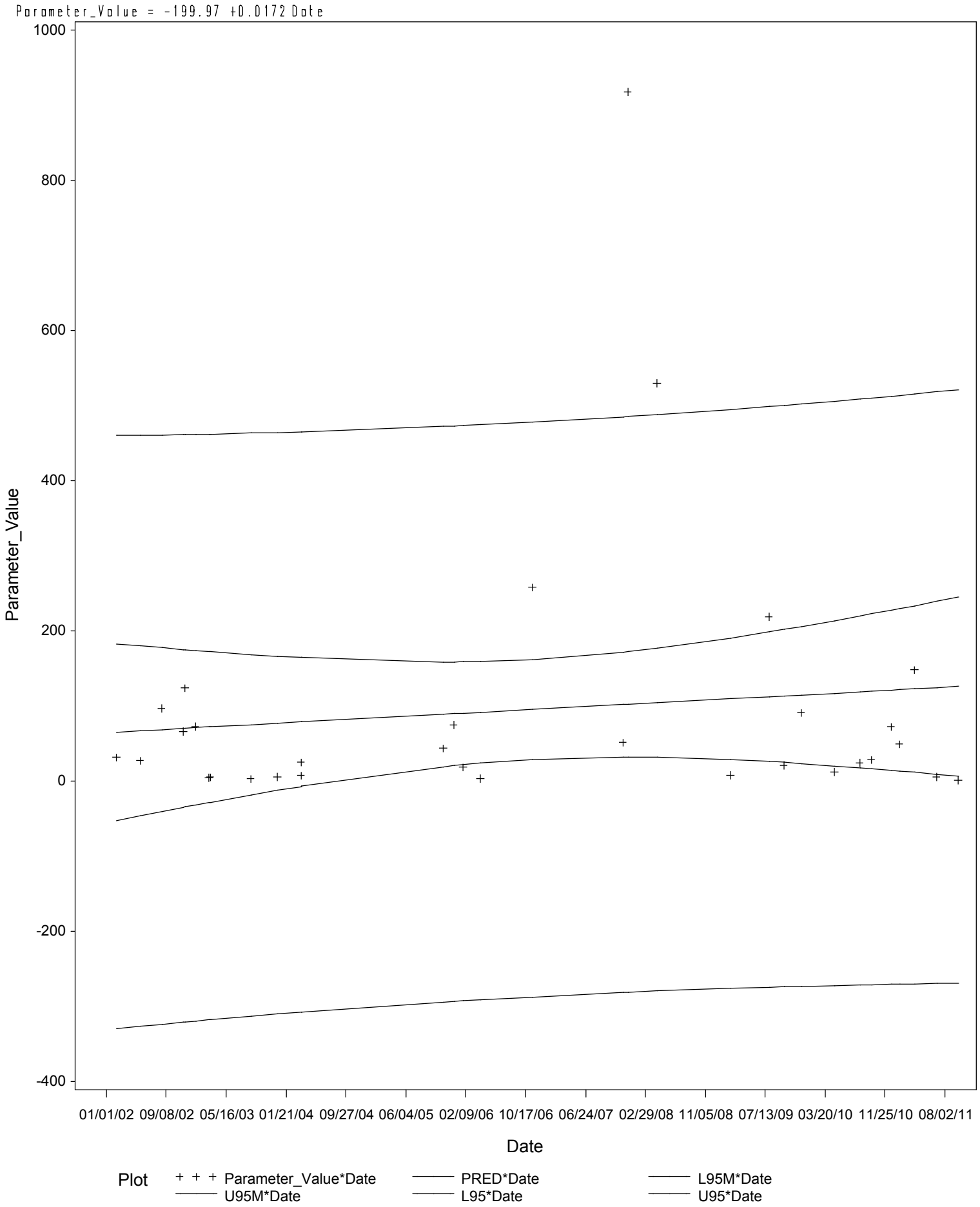
Rio Grande Below Riverside Diversion Dam

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13232



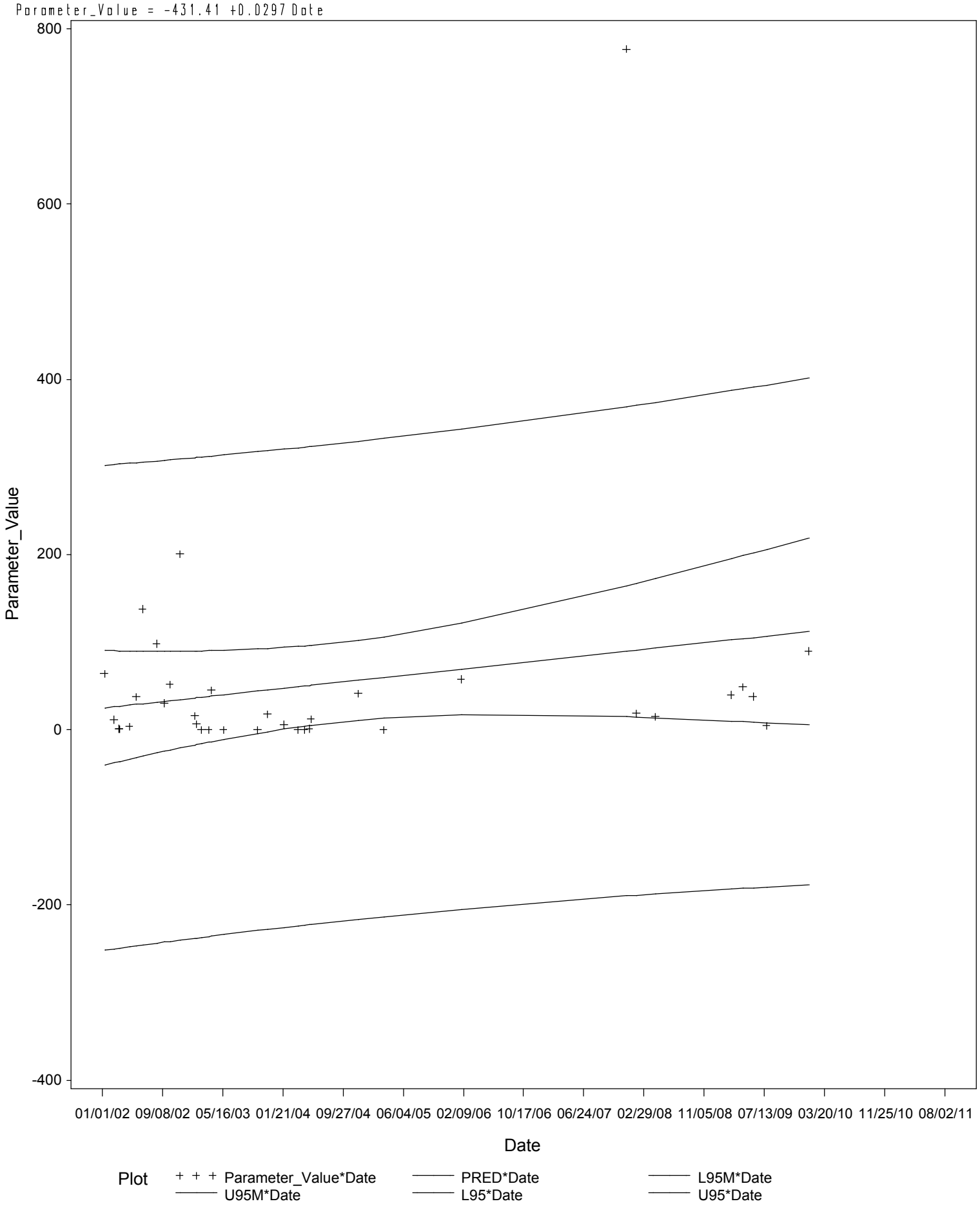
Rio Grande Below Riverside Diversion Dam

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=15704



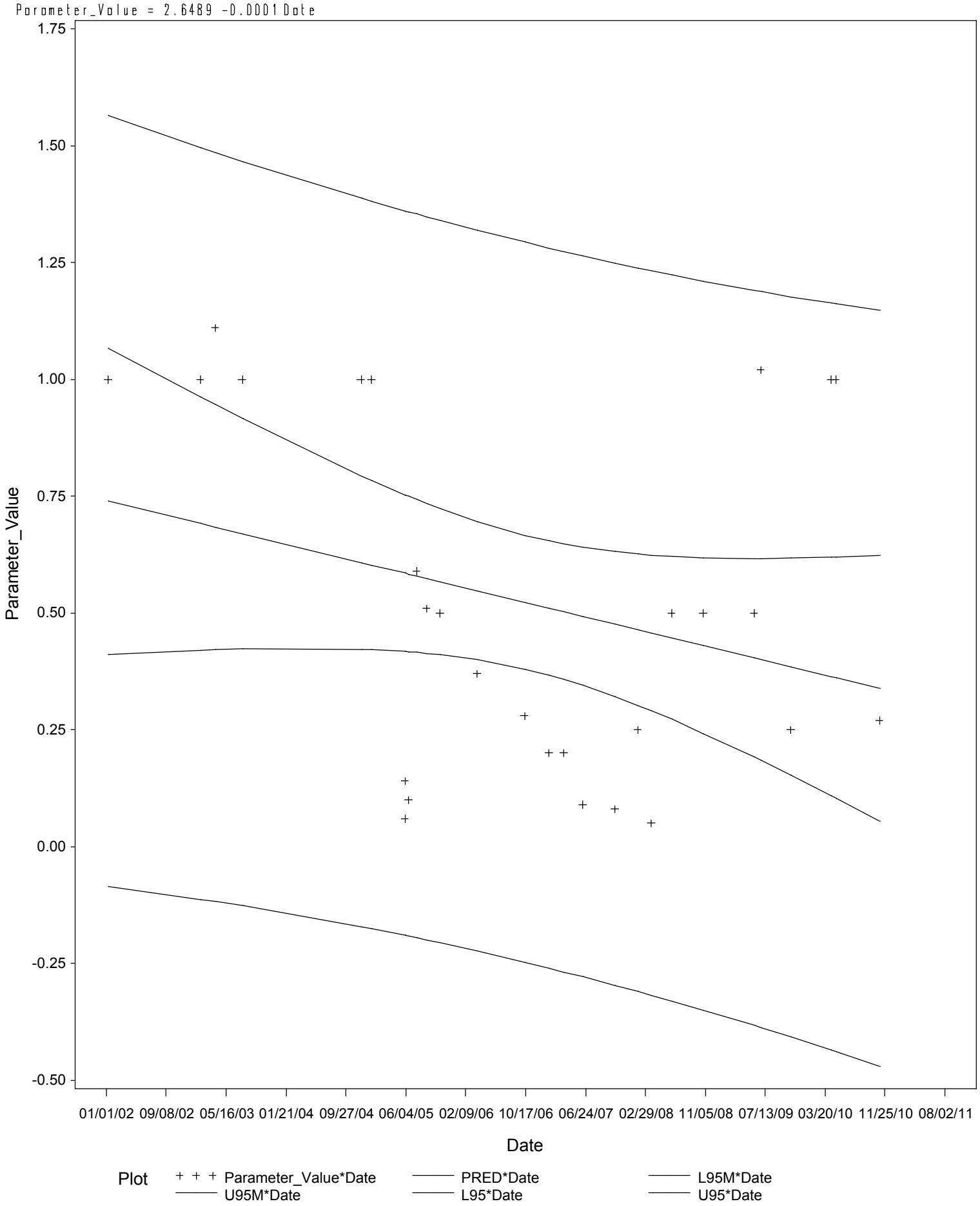
Rio Grande Below Riverside Diversion Dam

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=15795



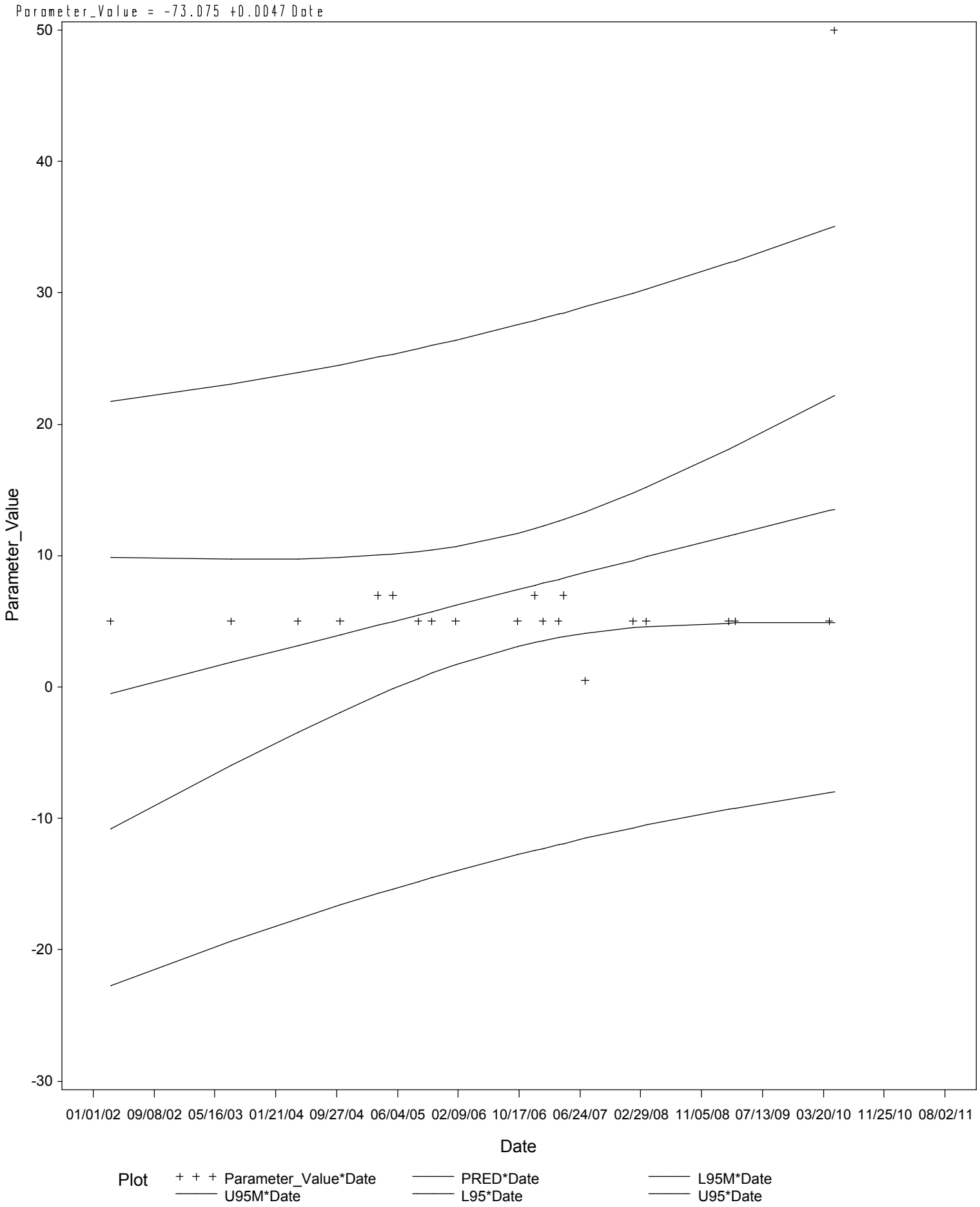
Rio Grande Below Riverside Diversion Dam

Parameter=LEAD, DISSOLVED (UG/L AS PB) Station=15795



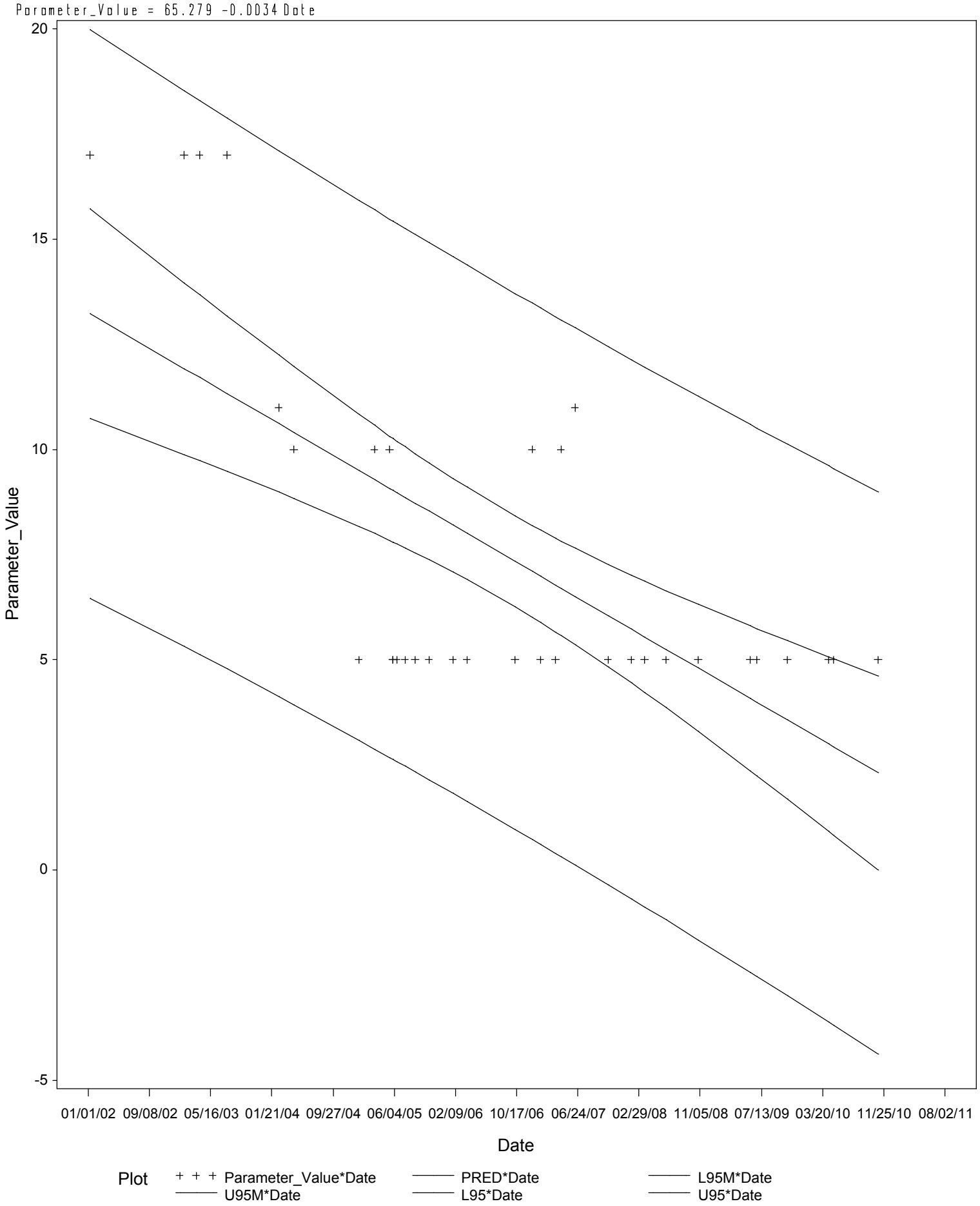
Rio Grande Below Riverside Diversion Dam

Parameter=METHYL-TERT-BUTYL ETHER (MTBE) WATER, TOTAL (UG/ Station=15795



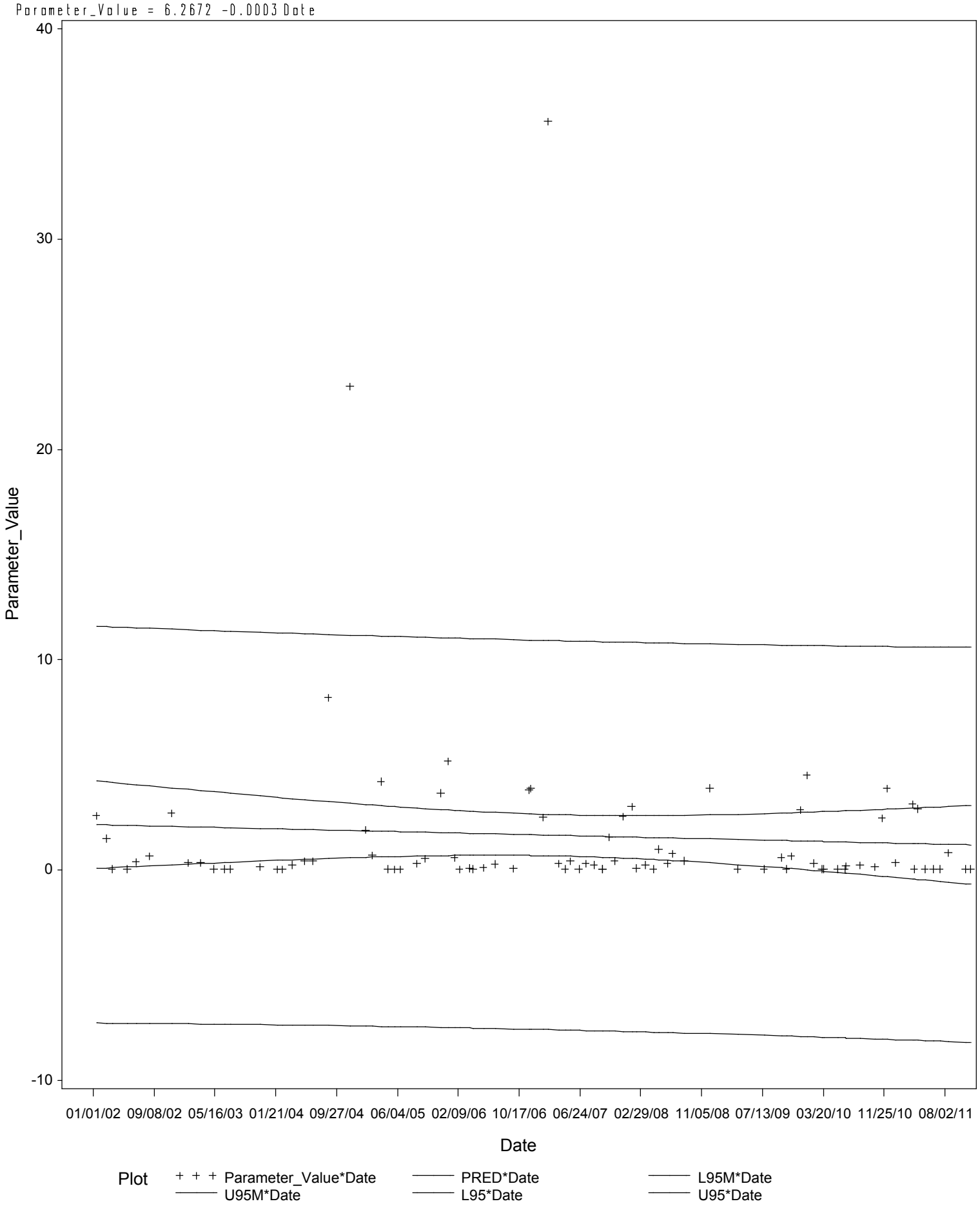
Rio Grande Below Riverside Diversion Dam

Parameter=NICKEL, DISSOLVED (UG/L AS NI) Station=15795



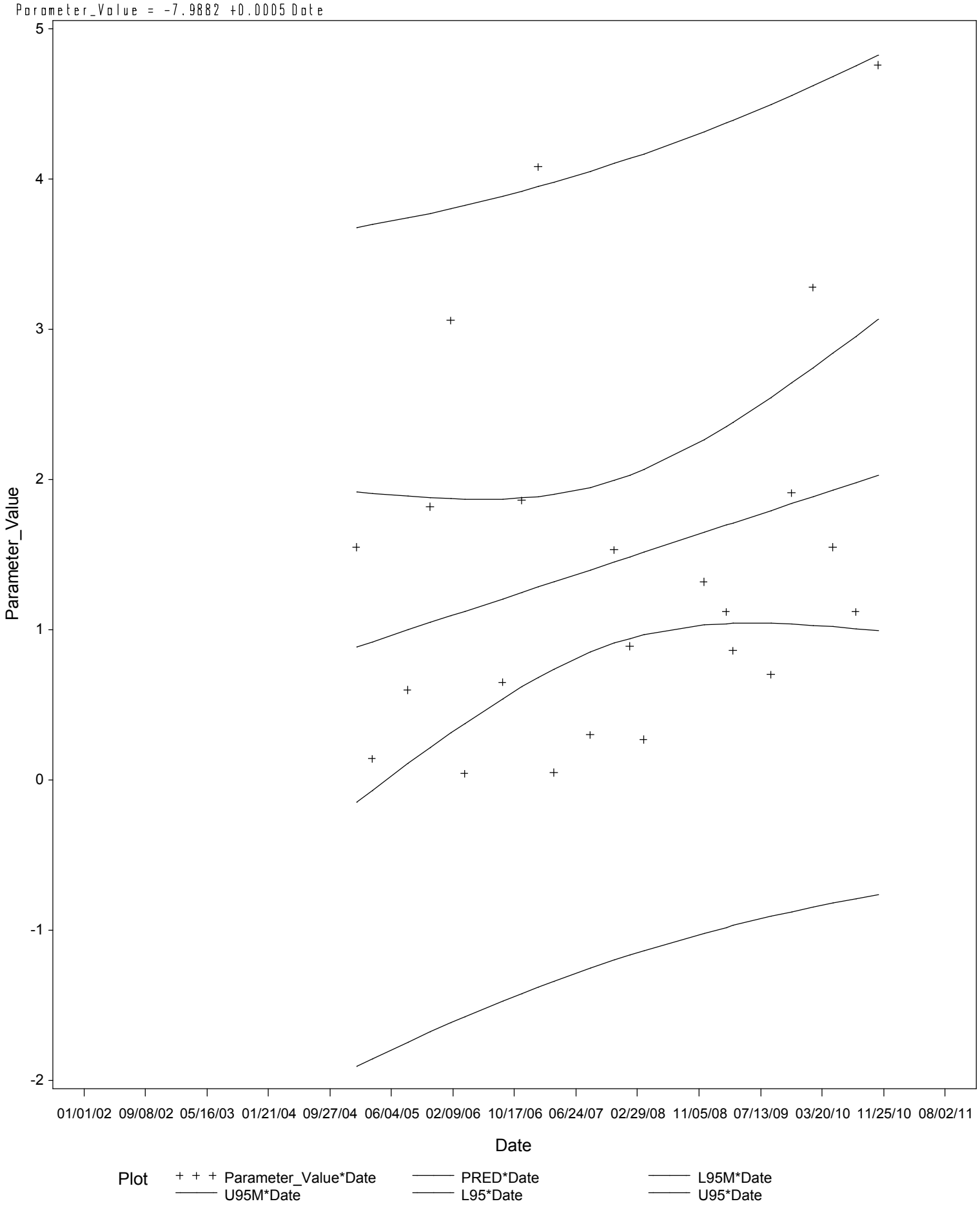
Rio Grande Below Riverside Diversion Dam

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13230



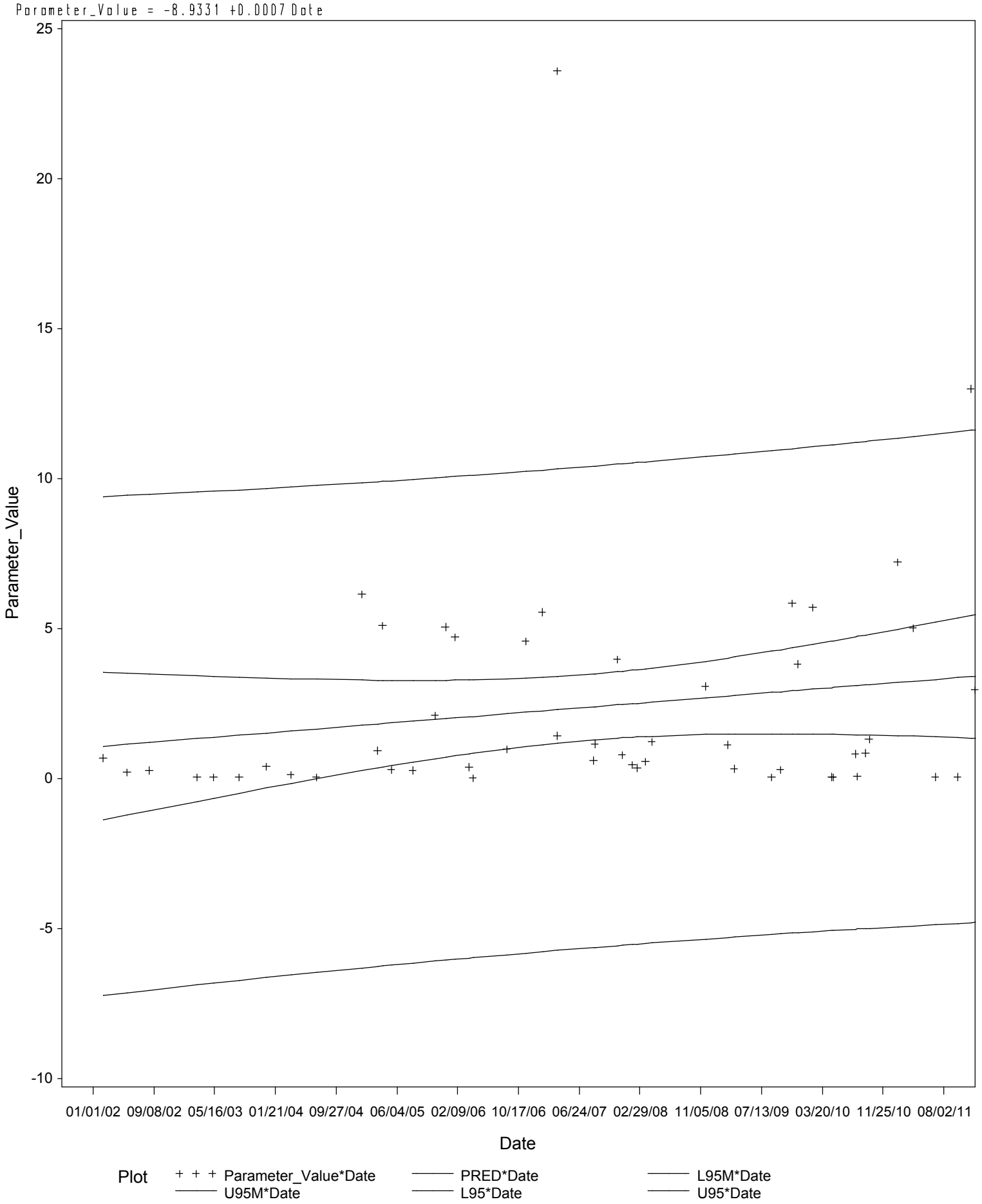
Rio Grande Below Riverside Diversion Dam

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13232



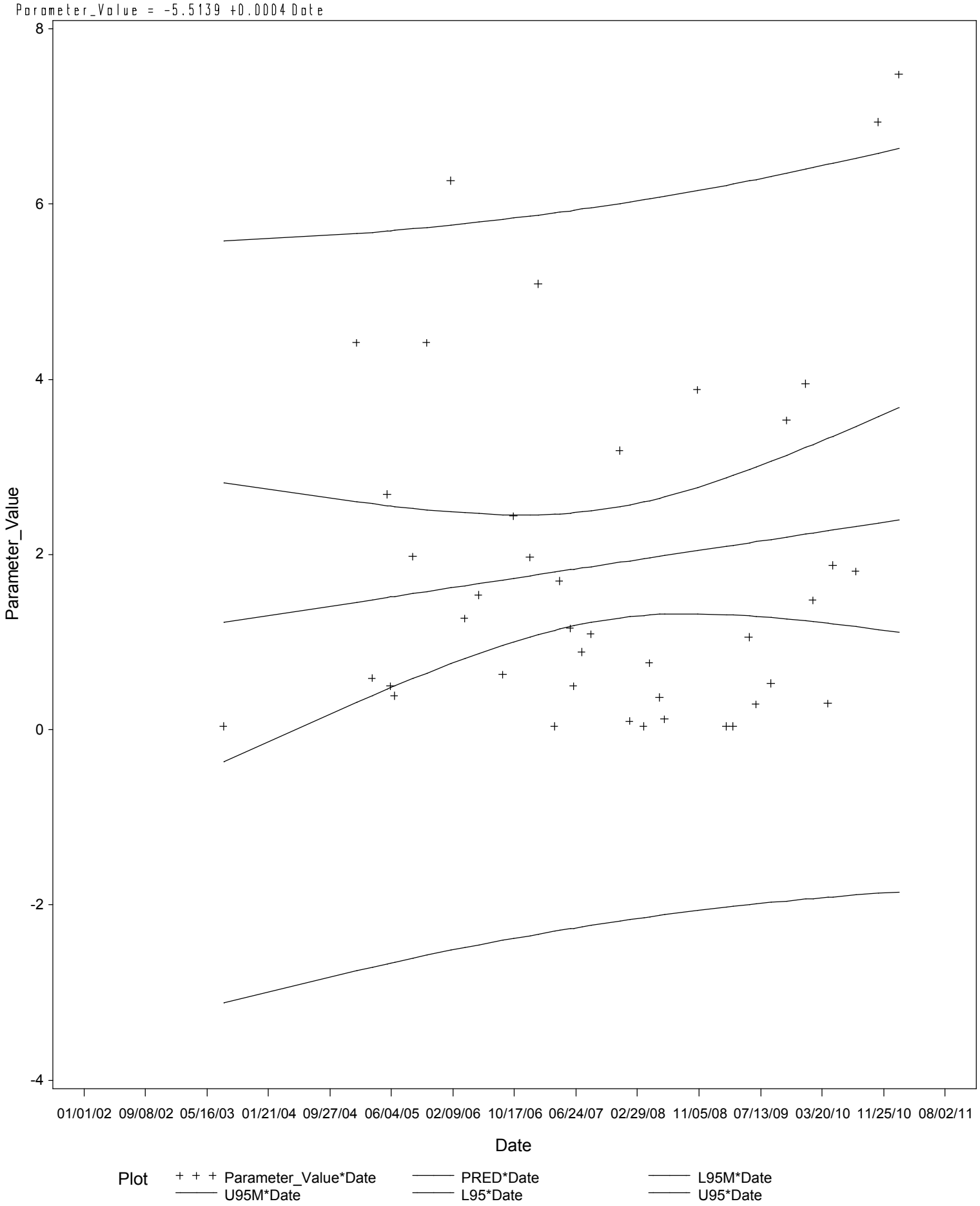
Rio Grande Below Riverside Diversion Dam

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=15704



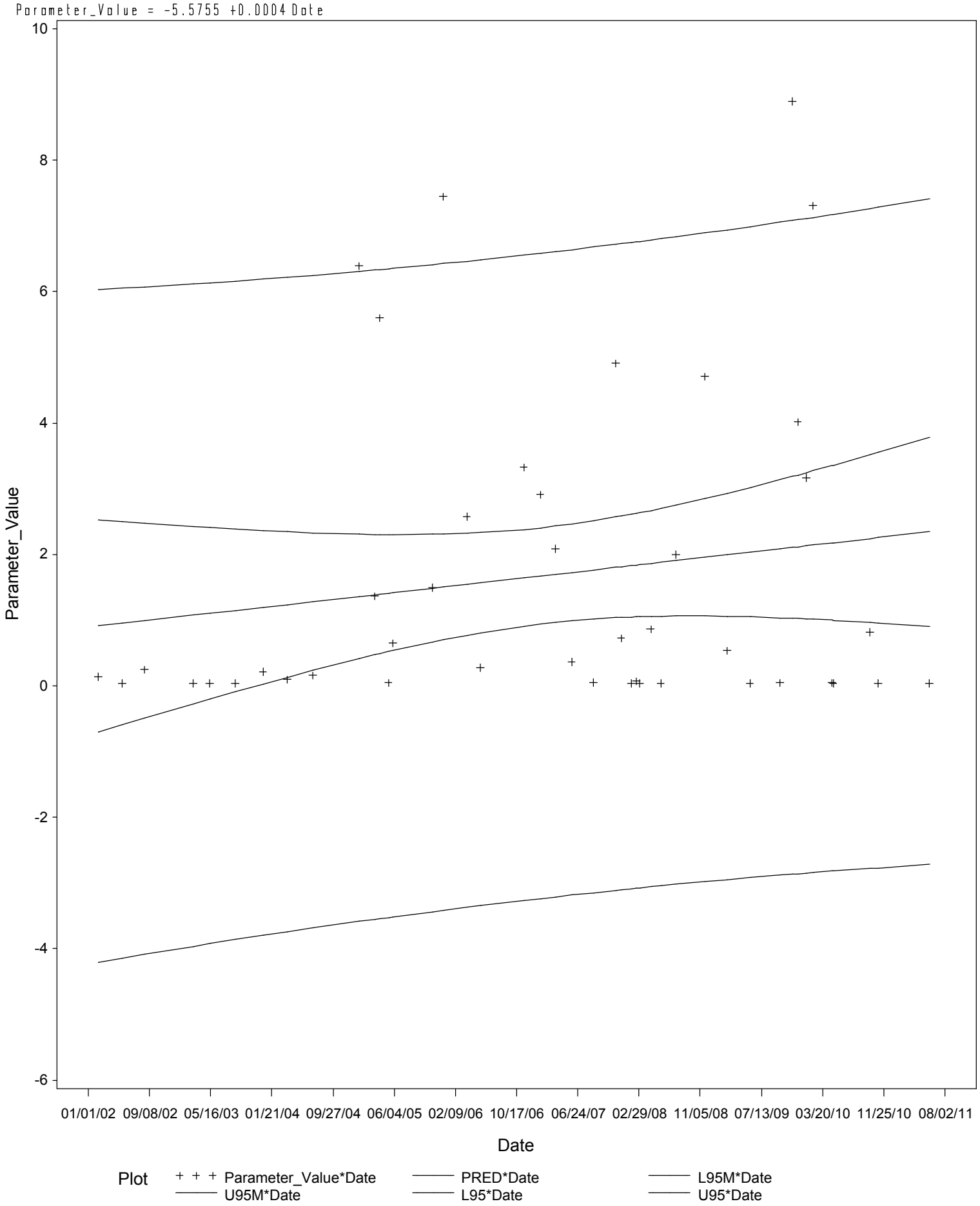
Rio Grande Below Riverside Diversion Dam

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=15795



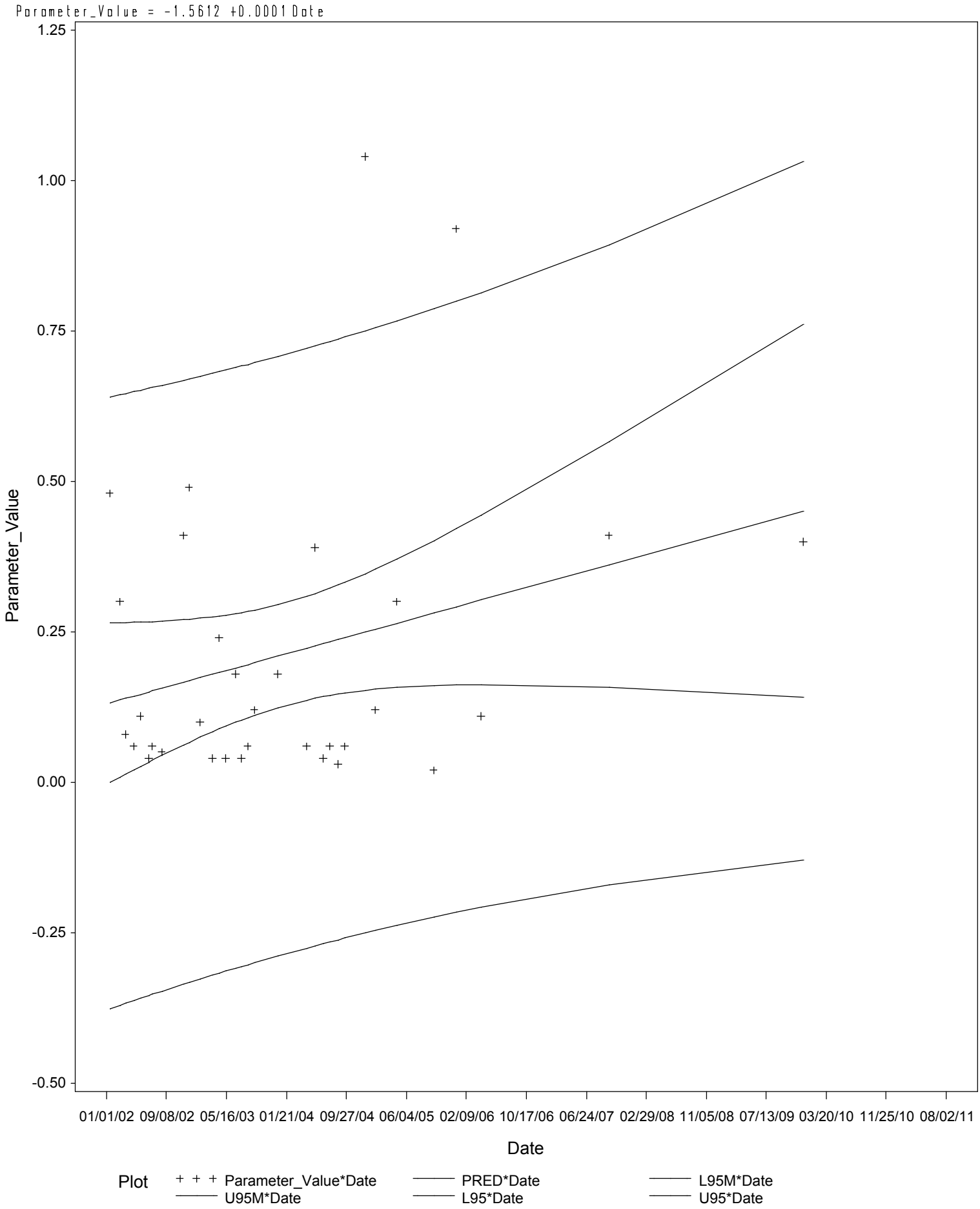
Rio Grande Below Riverside Diversion Dam

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=16272



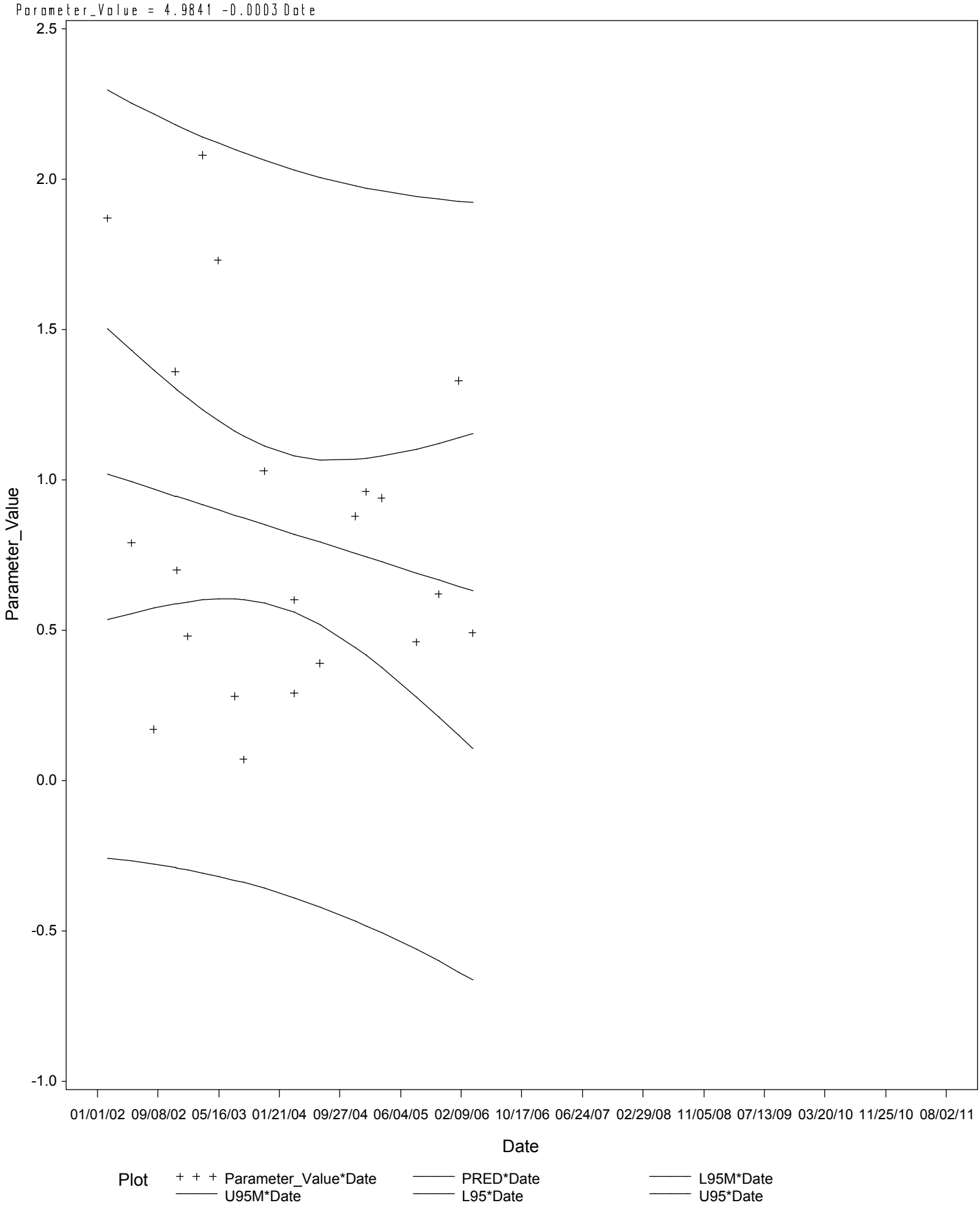
Rio Grande Below Riverside Diversion Dam

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13230



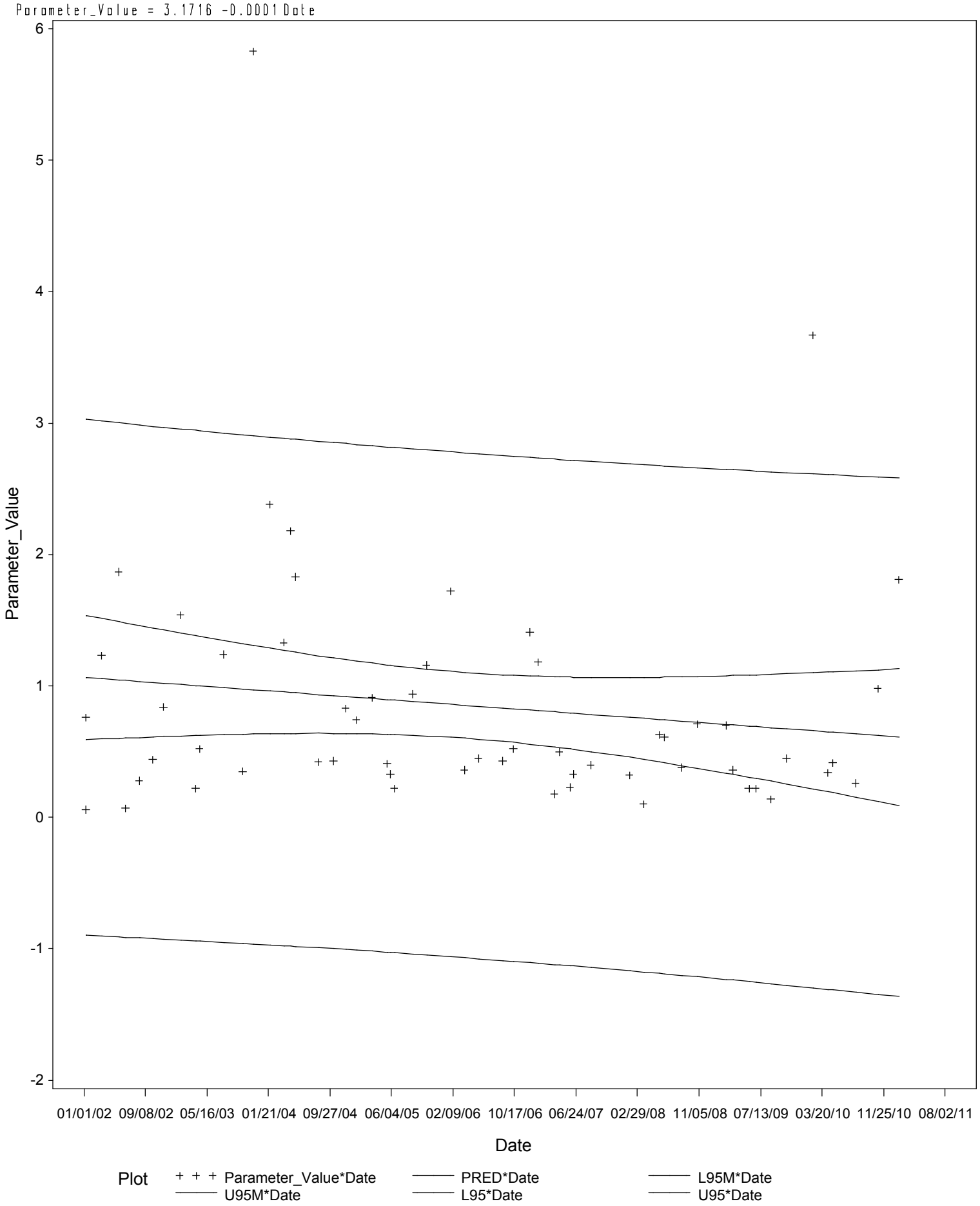
Rio Grande Below Riverside Diversion Dam

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=15704



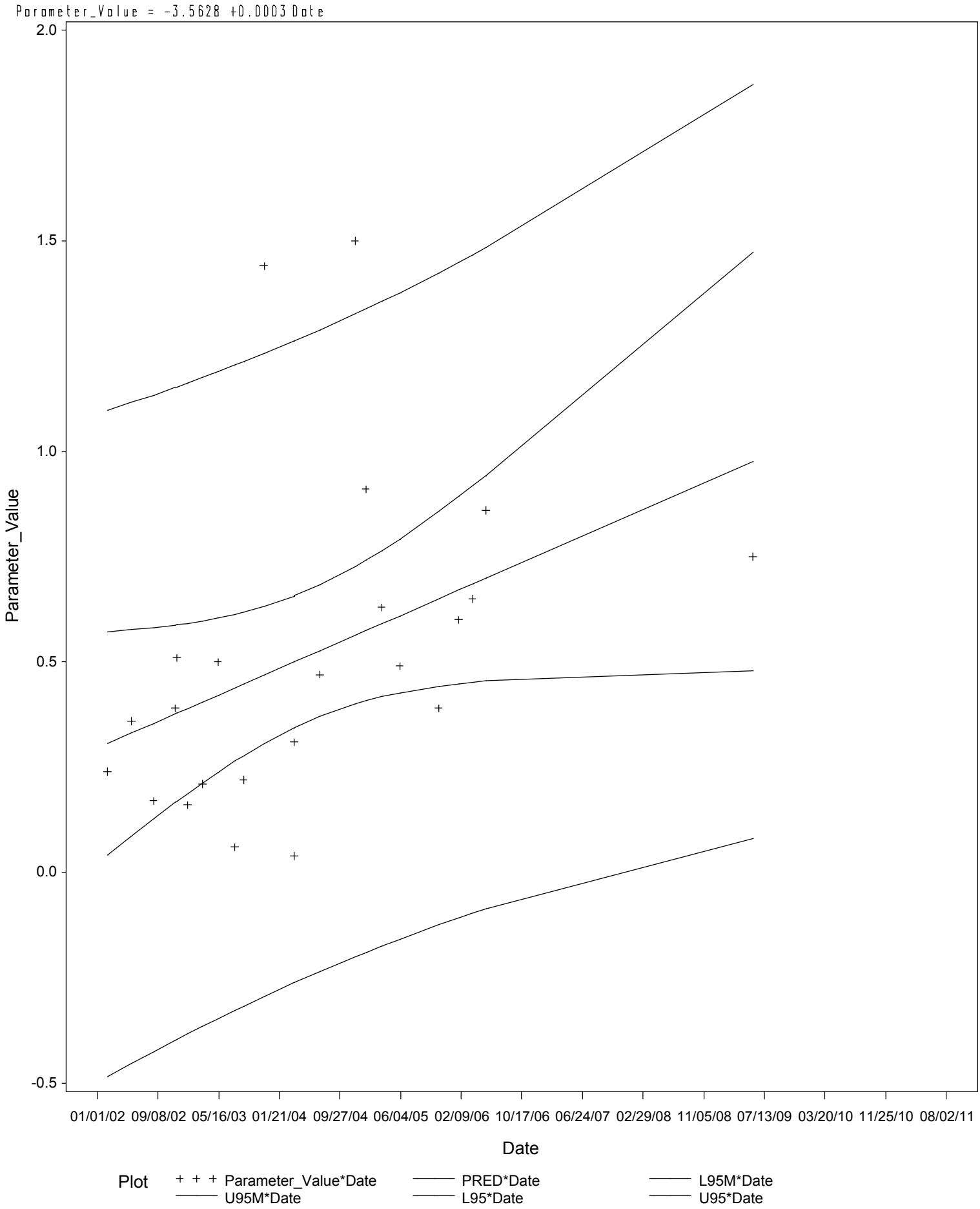
Rio Grande Below Riverside Diversion Dam

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=15795



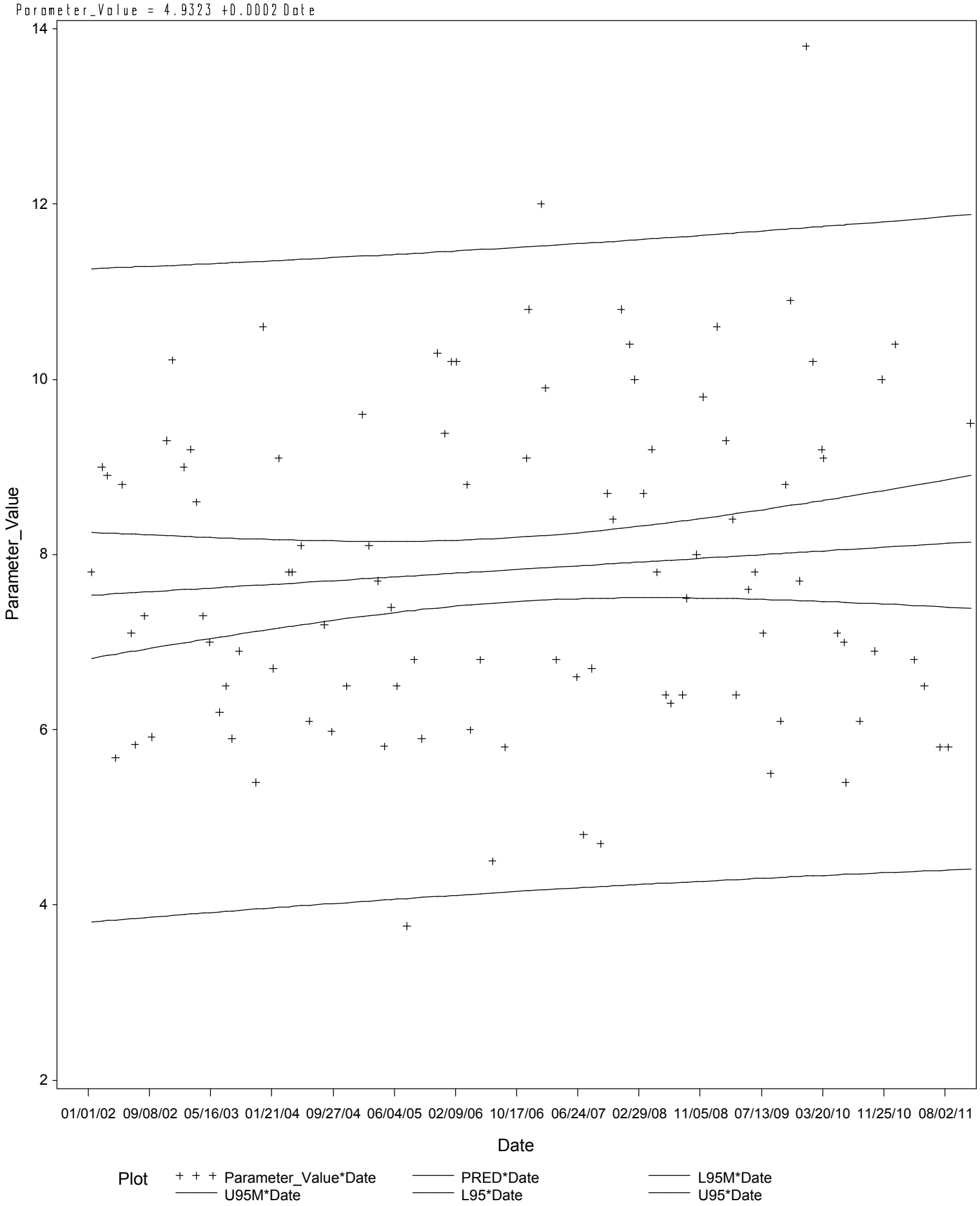
Rio Grande Below Riverside Diversion Dam

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=16272



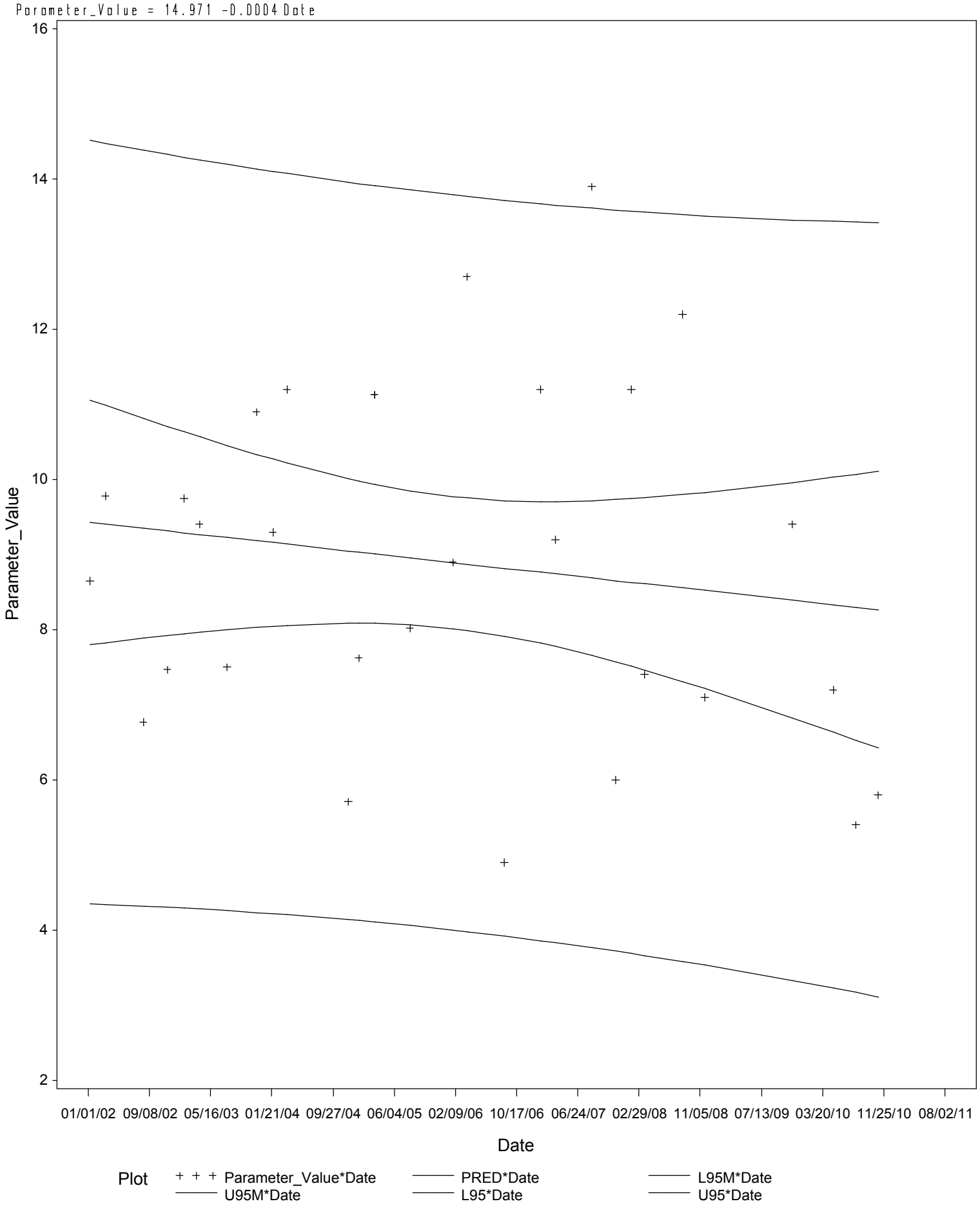
Rio Grande Below Riverside Diversion Dam

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13230



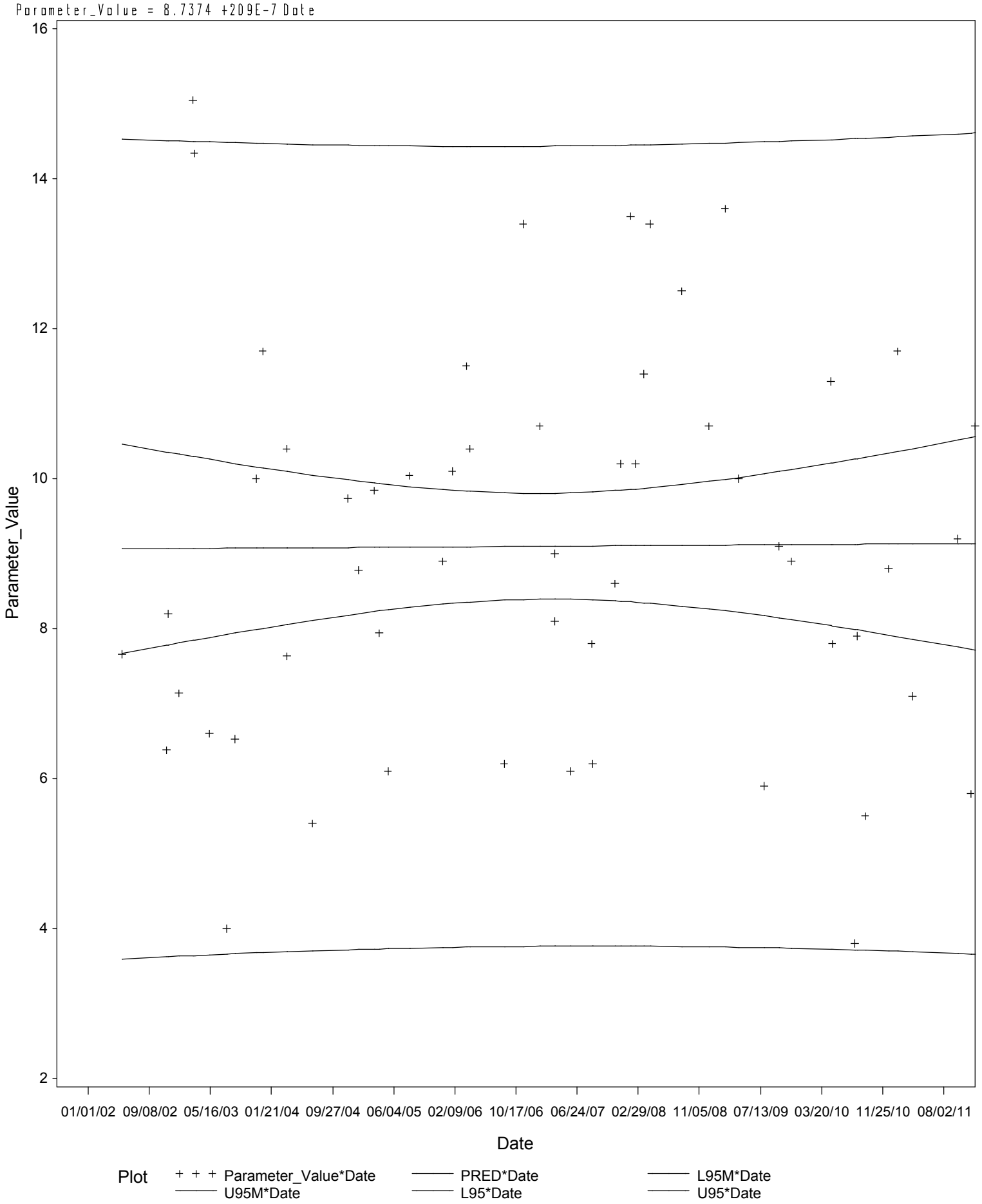
Rio Grande Below Riverside Diversion Dam

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13232



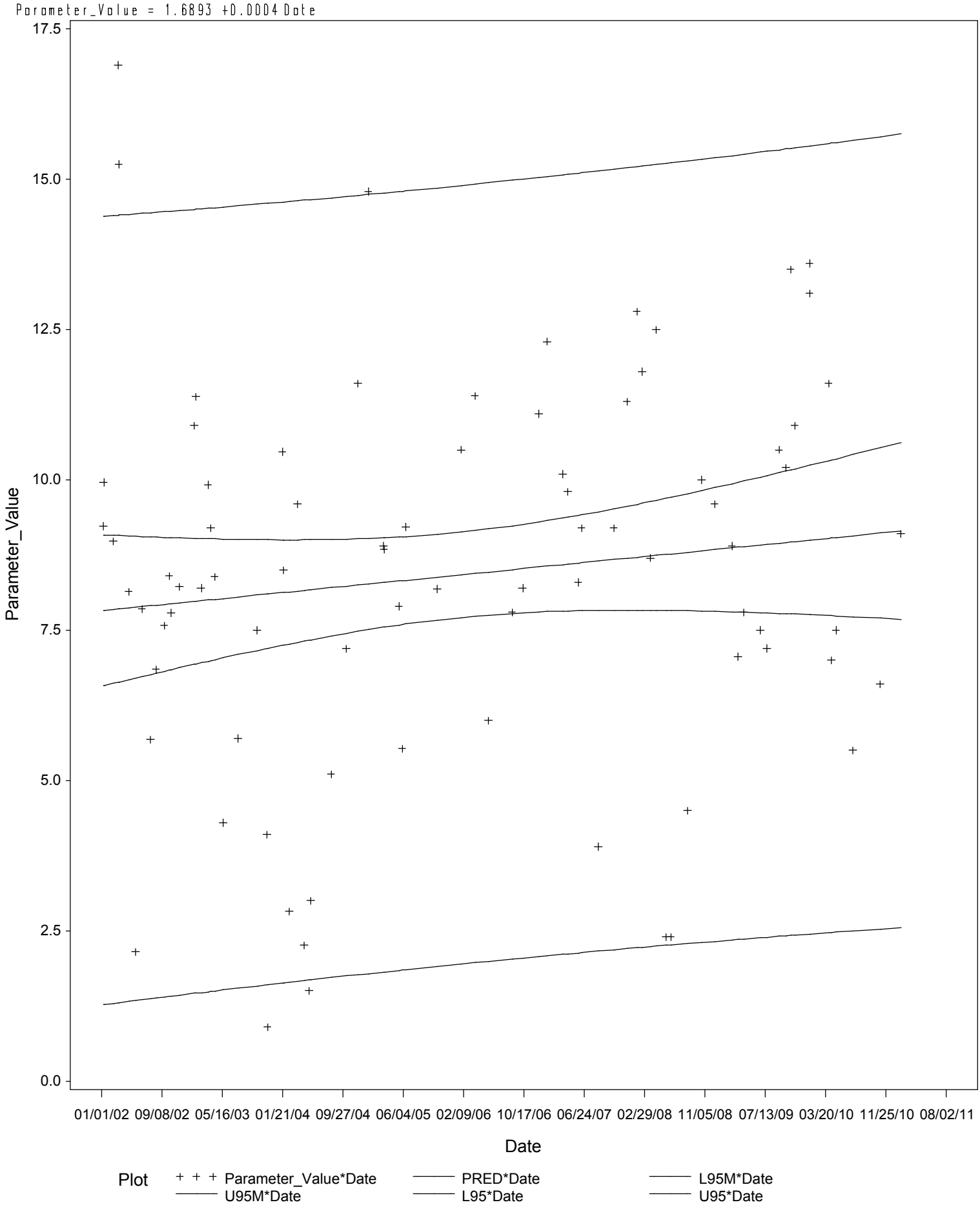
Rio Grande Below Riverside Diversion Dam

Parameter=OXYGEN, DISSOLVED (MG/L) Station=15704



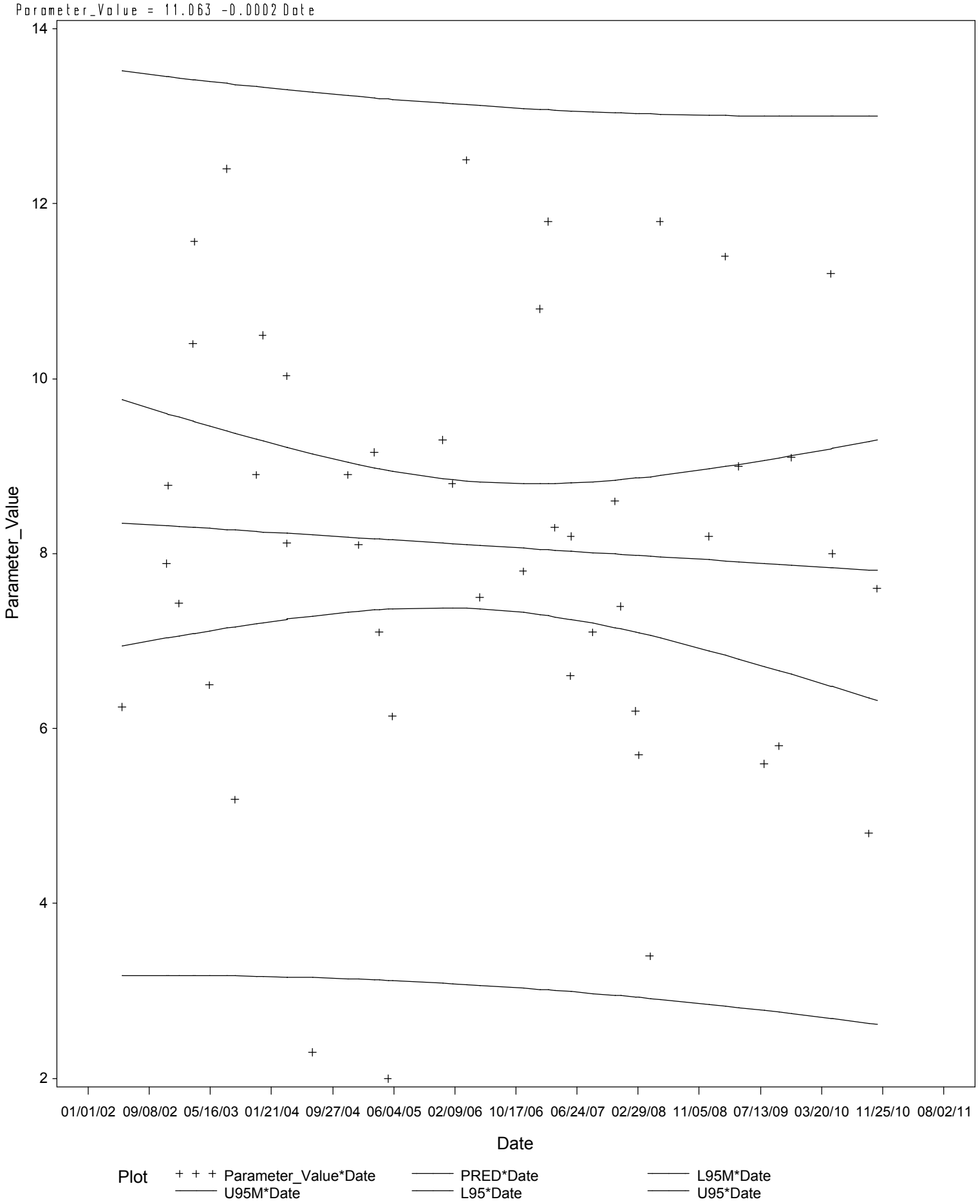
Rio Grande Below Riverside Diversion Dam

Parameter=OXYGEN, DISSOLVED (MG/L) Station=15795



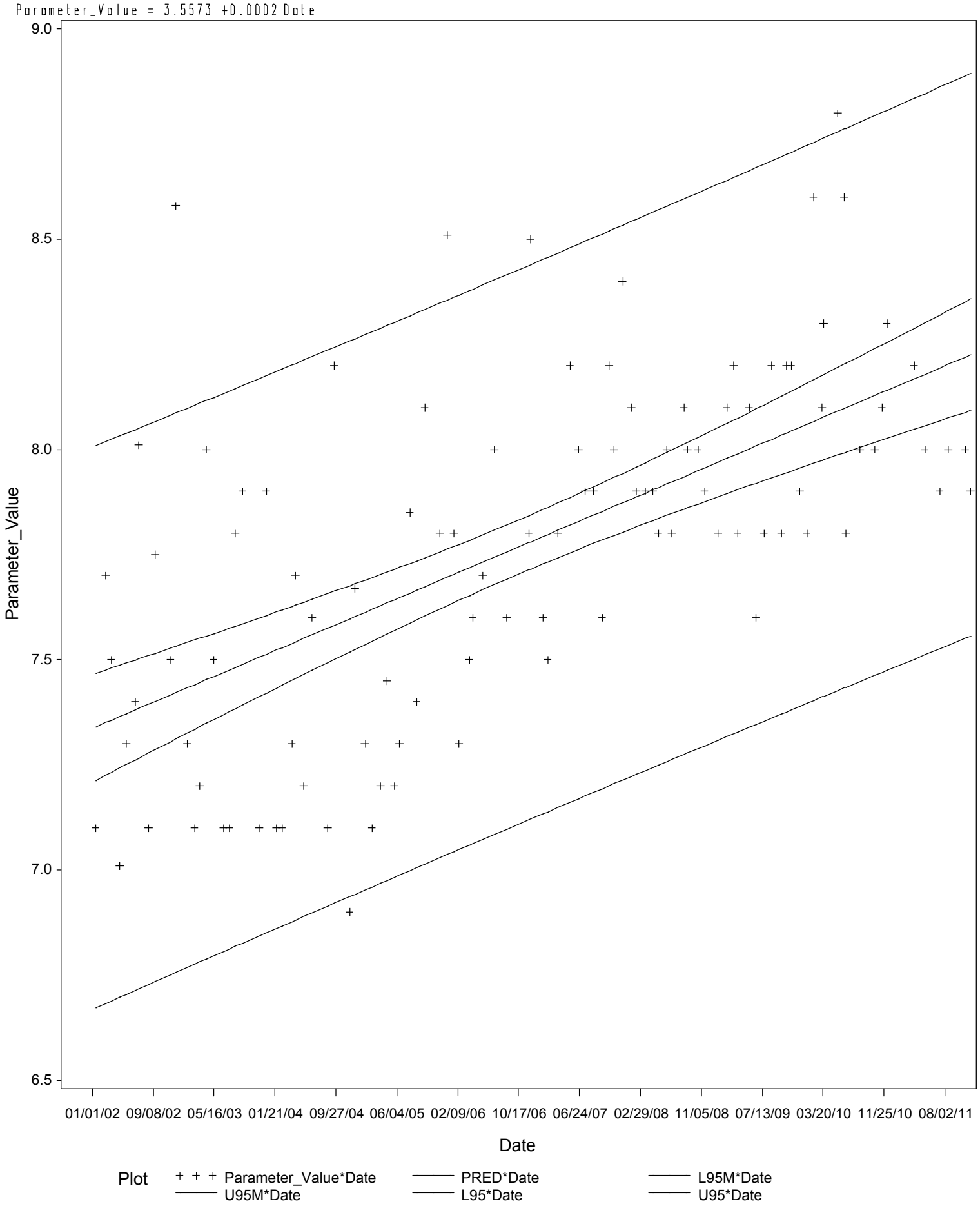
Rio Grande Below Riverside Diversion Dam

Parameter=OXYGEN, DISSOLVED (MG/L) Station=16272



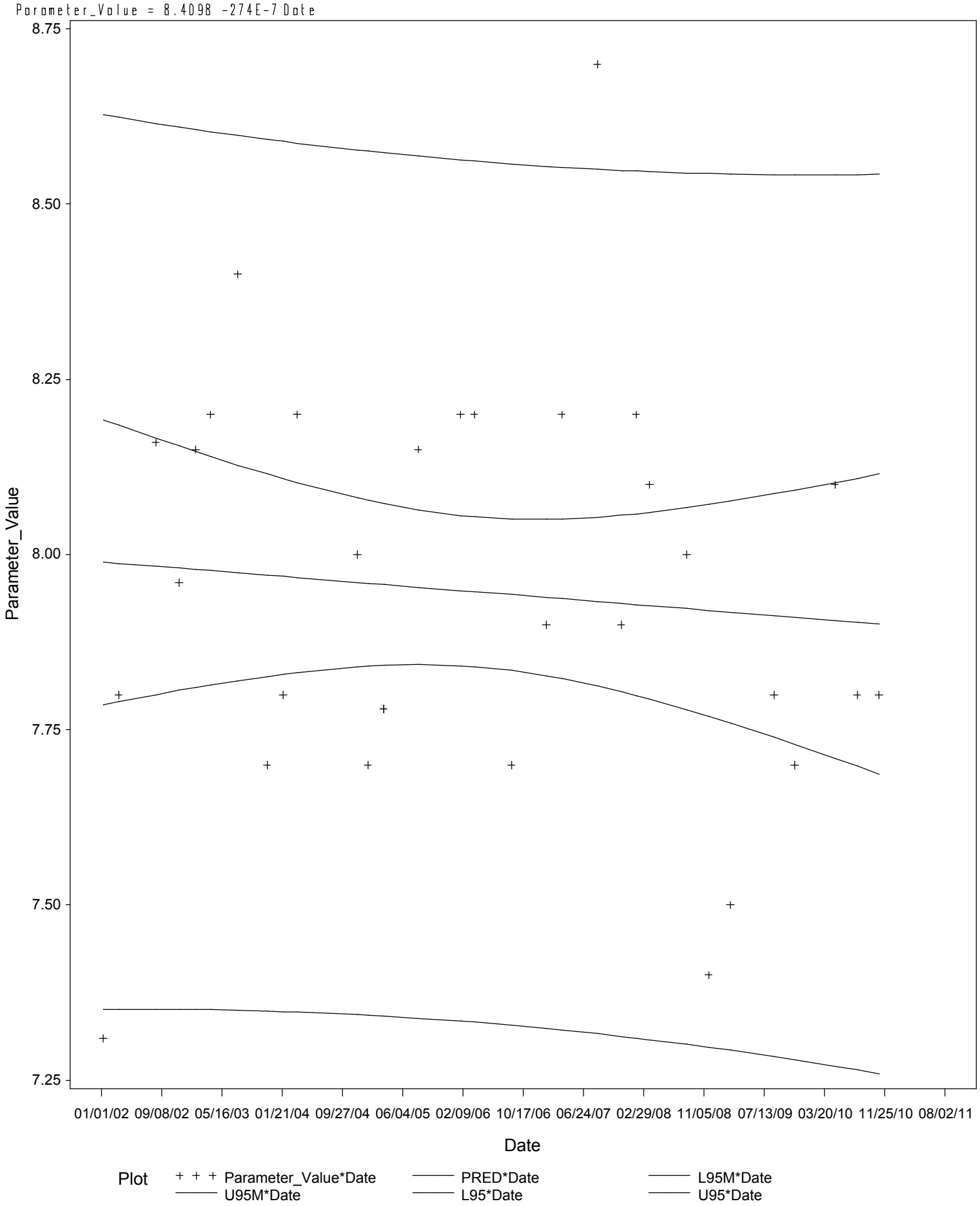
Rio Grande Below Riverside Diversion Dam

Parameter=PH (STANDARD UNITS) Station=13230



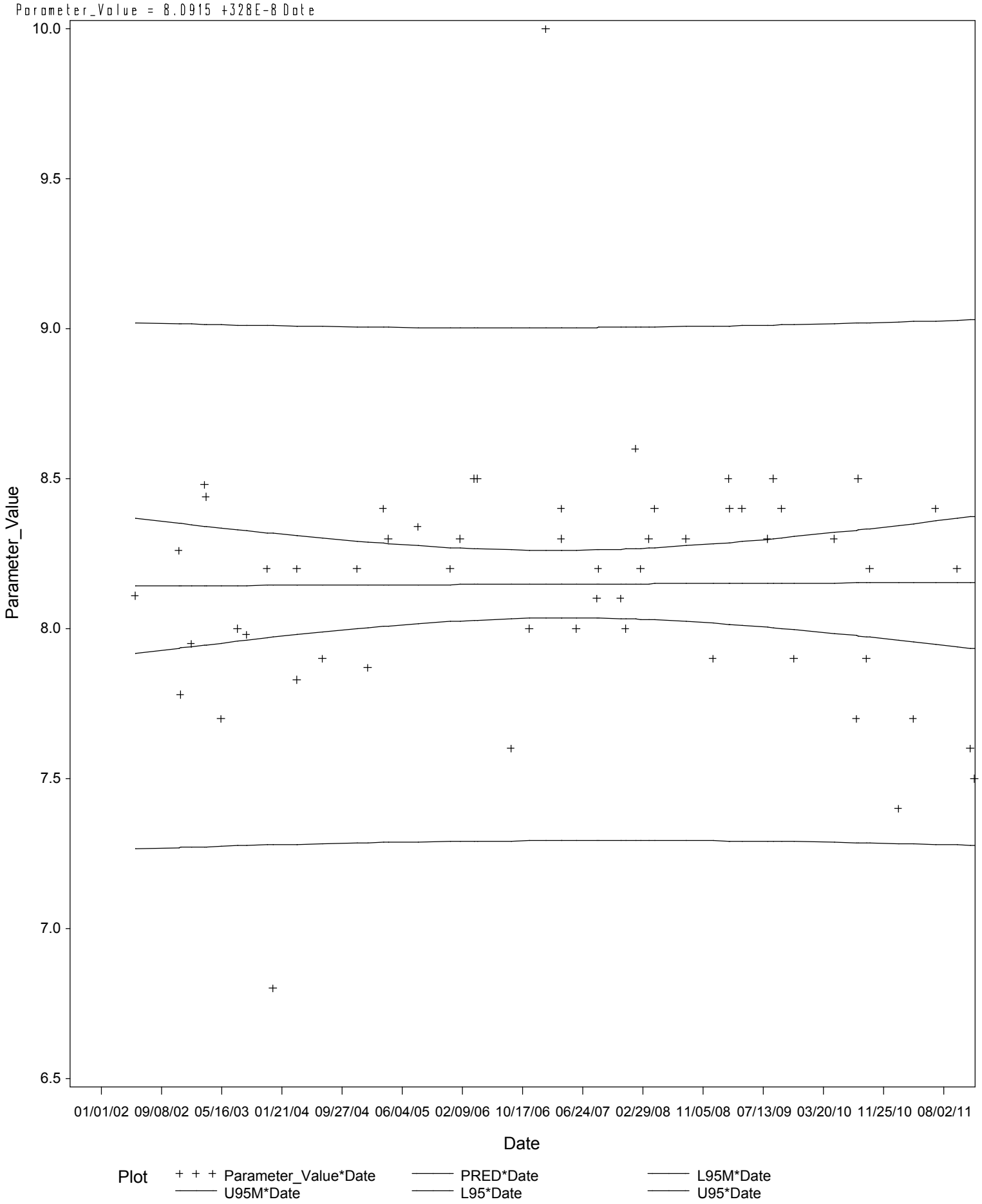
Rio Grande Below Riverside Diversion Dam

Parameter=PH (STANDARD UNITS) Station=13232



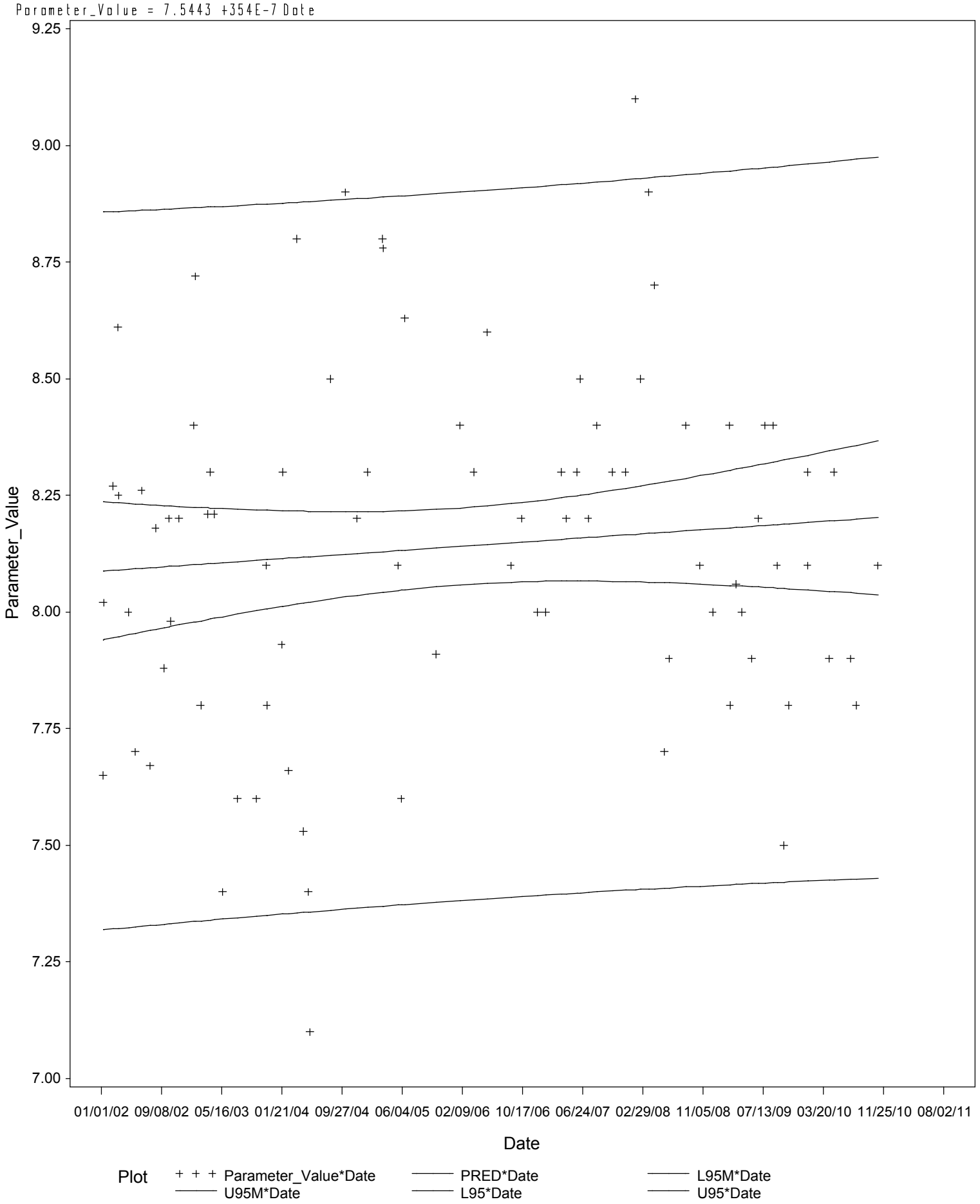
Rio Grande Below Riverside Diversion Dam

Parameter=PH (STANDARD UNITS) Station=15704



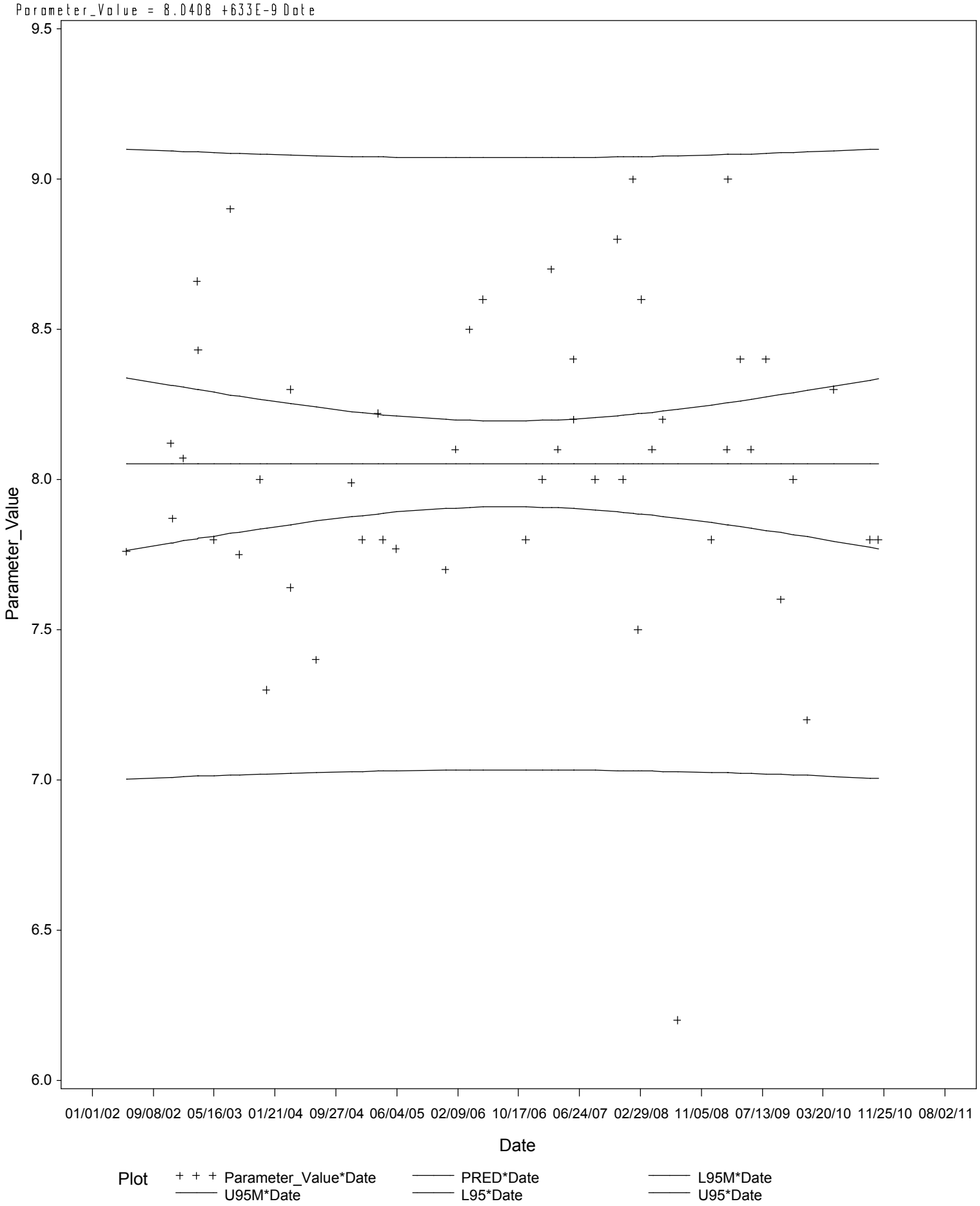
Rio Grande Below Riverside Diversion Dam

Parameter=PH (STANDARD UNITS) Station=15795



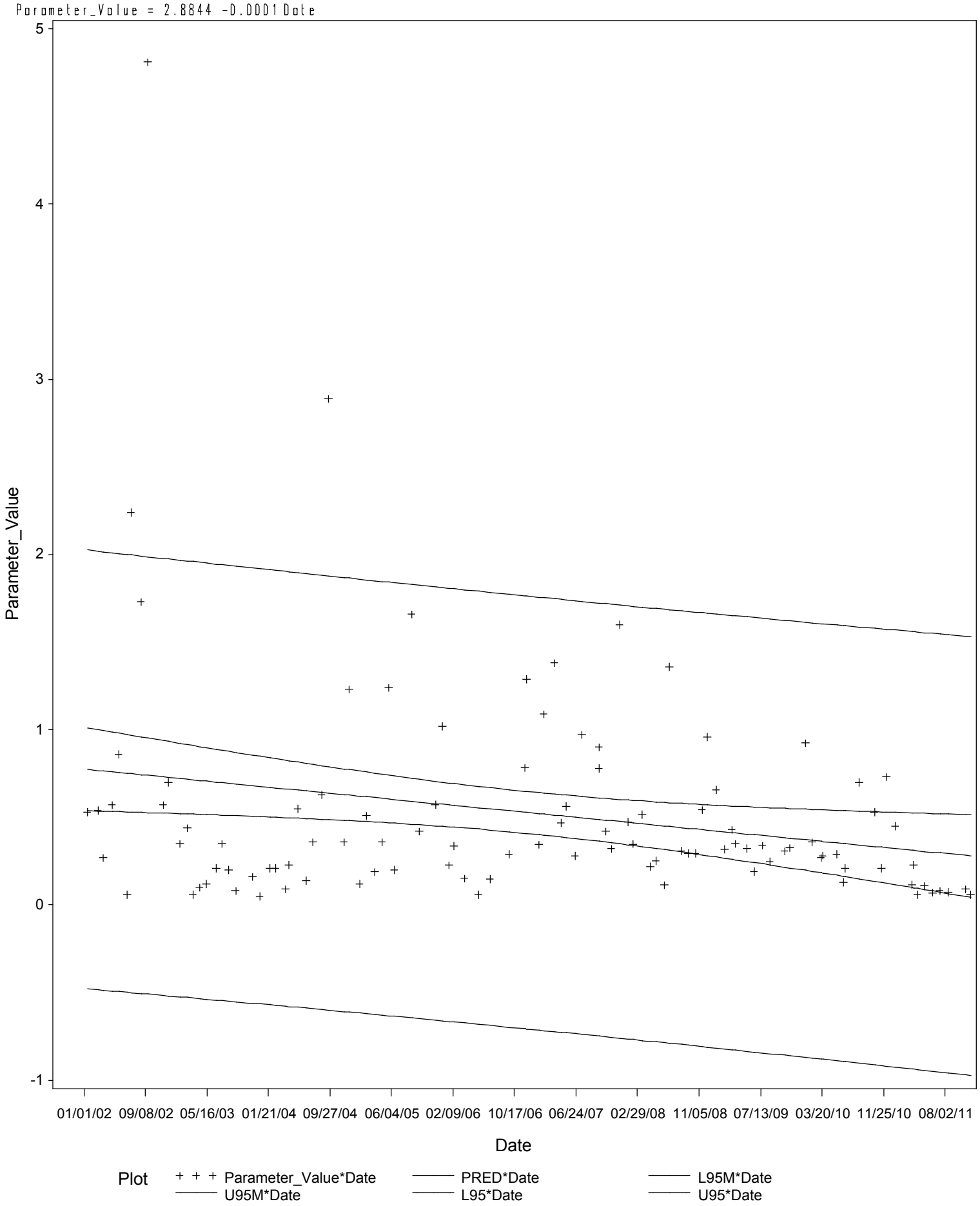
Rio Grande Below Riverside Diversion Dam

Parameter=PH (STANDARD UNITS) Station=16272



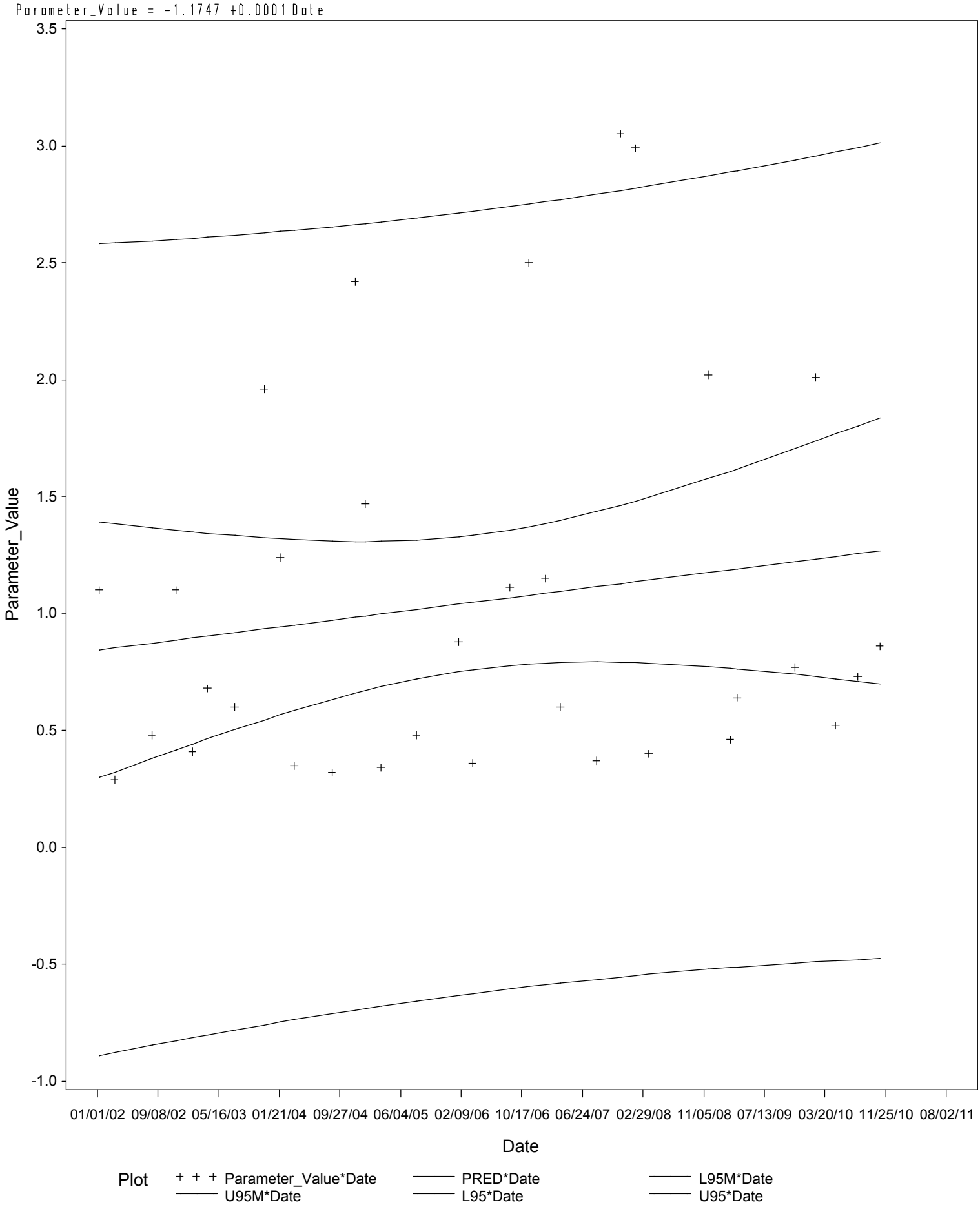
Rio Grande Below Riverside Diversion Dam

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13230



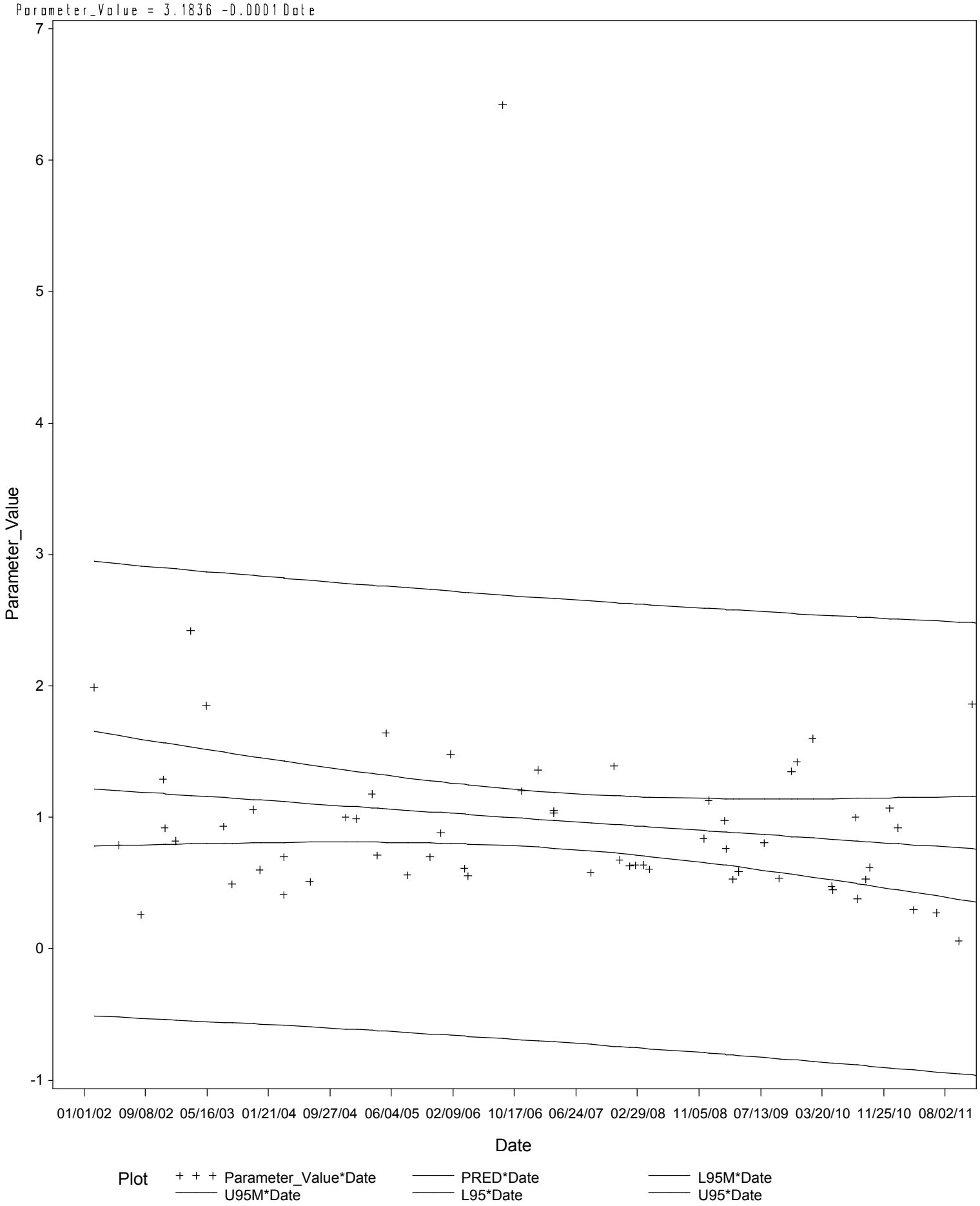
Rio Grande Below Riverside Diversion Dam

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13232



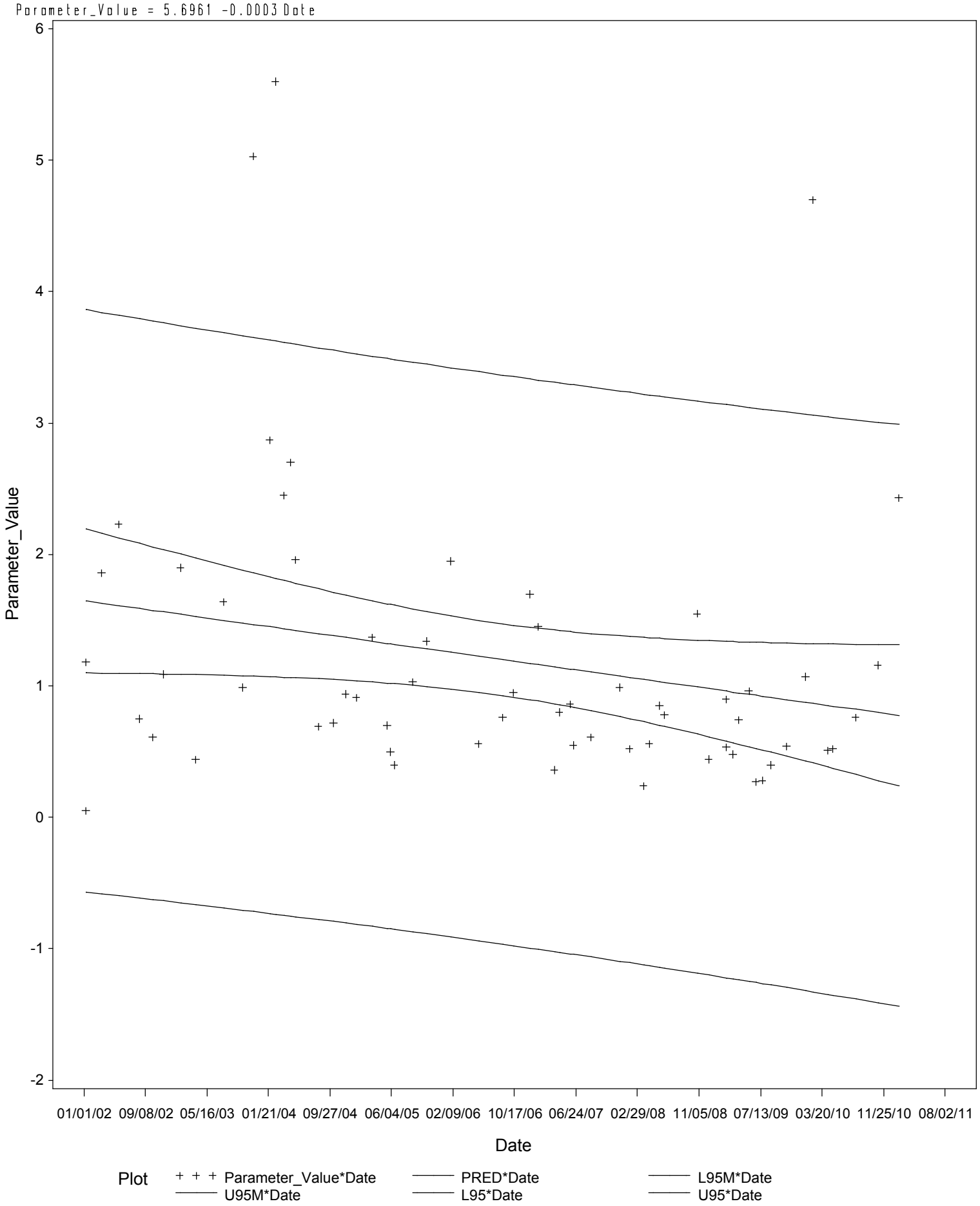
Rio Grande Below Riverside Diversion Dam

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=15704



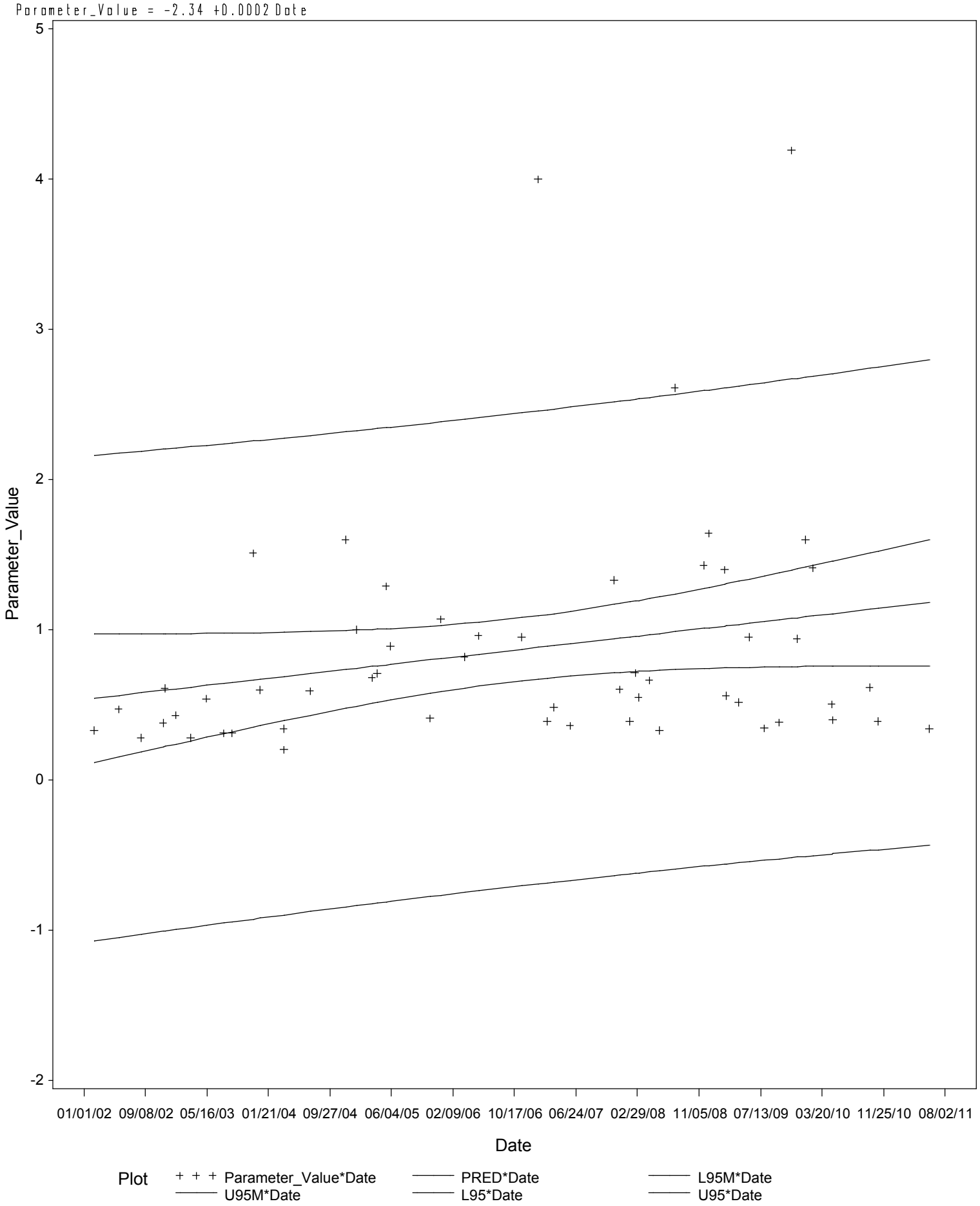
Rio Grande Below Riverside Diversion Dam

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=15795



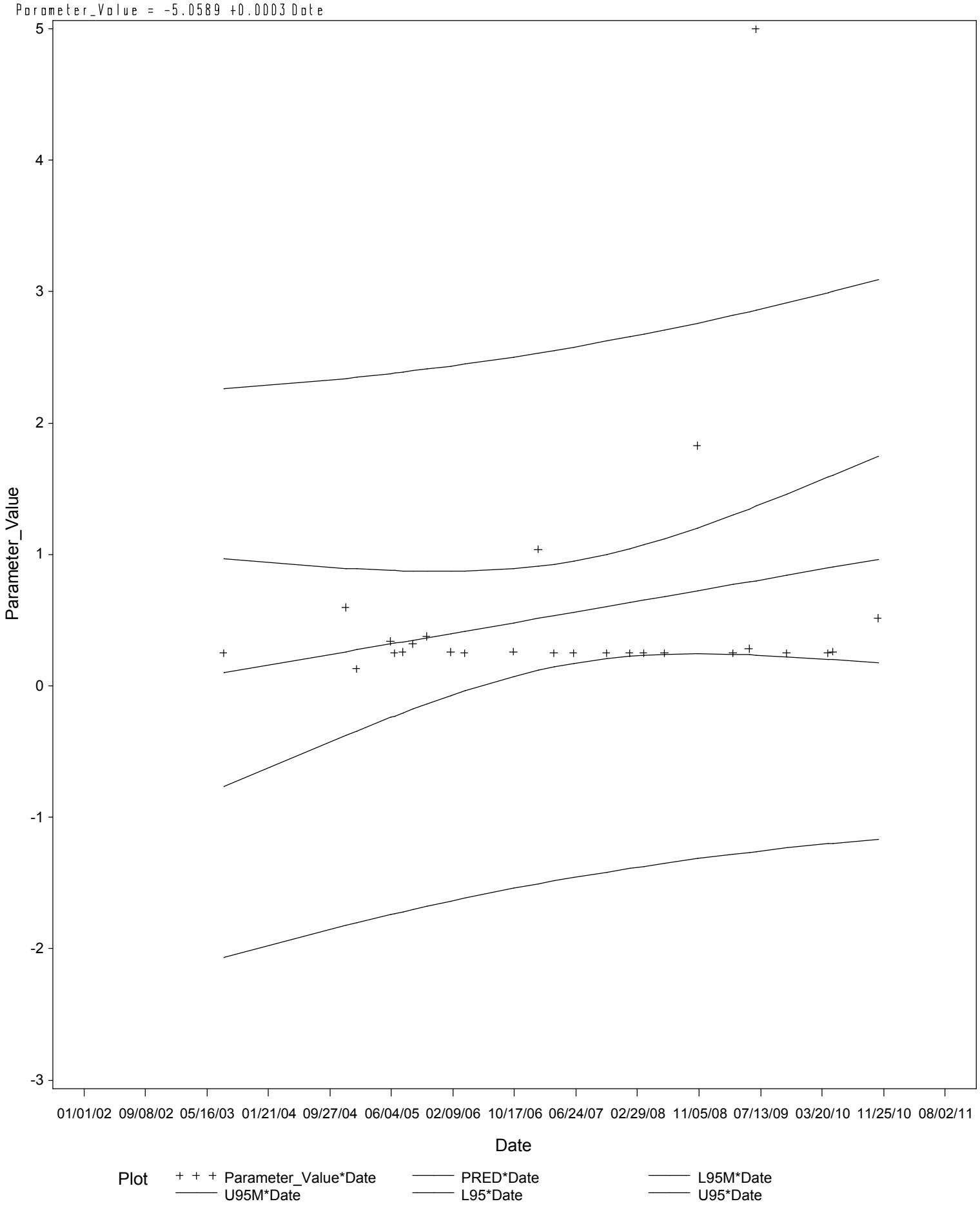
Rio Grande Below Riverside Diversion Dam

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=16272



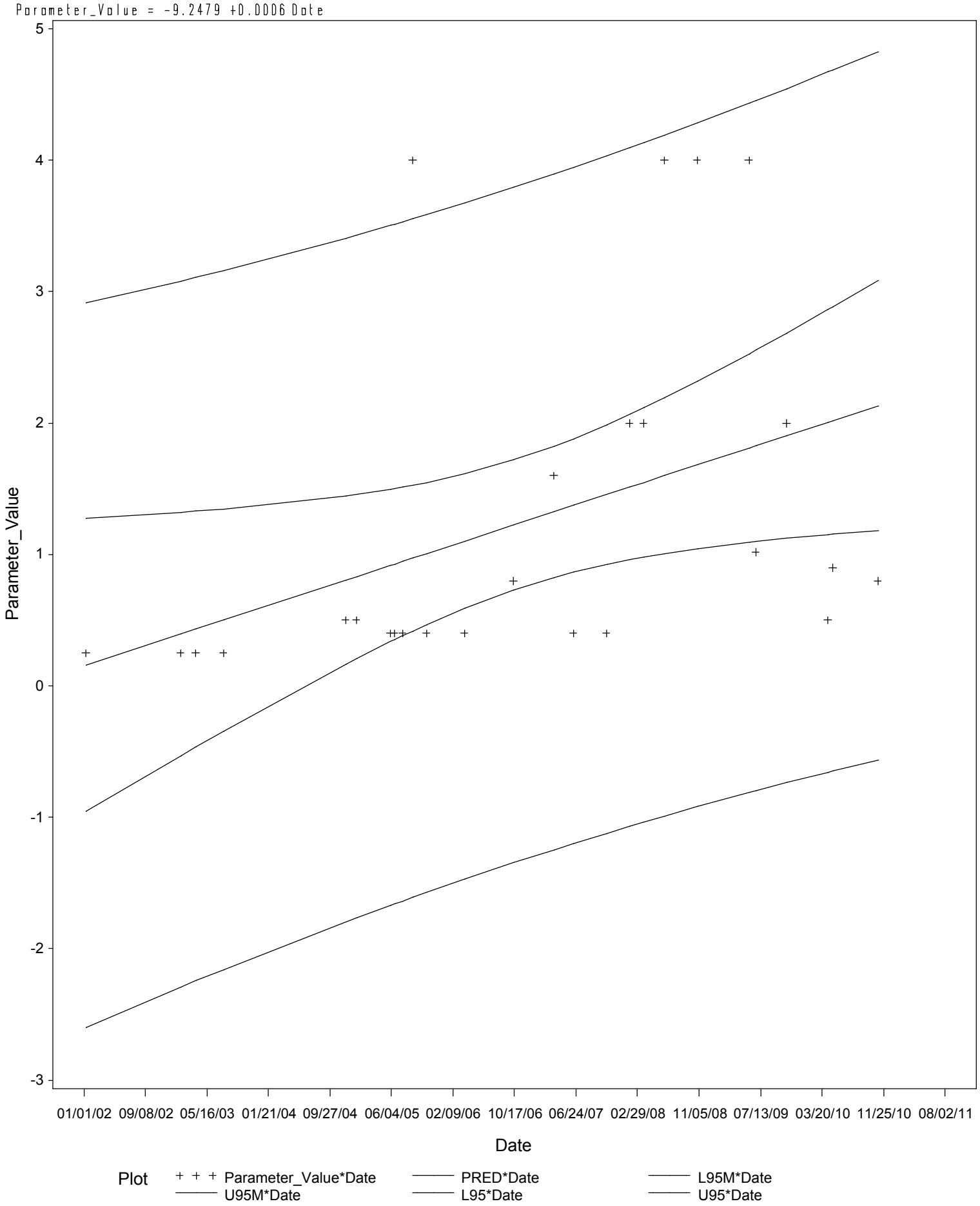
Rio Grande Below Riverside Diversion Dam

Parameter=SELENIUM, TOTAL (UG/L AS SE) Station=15795



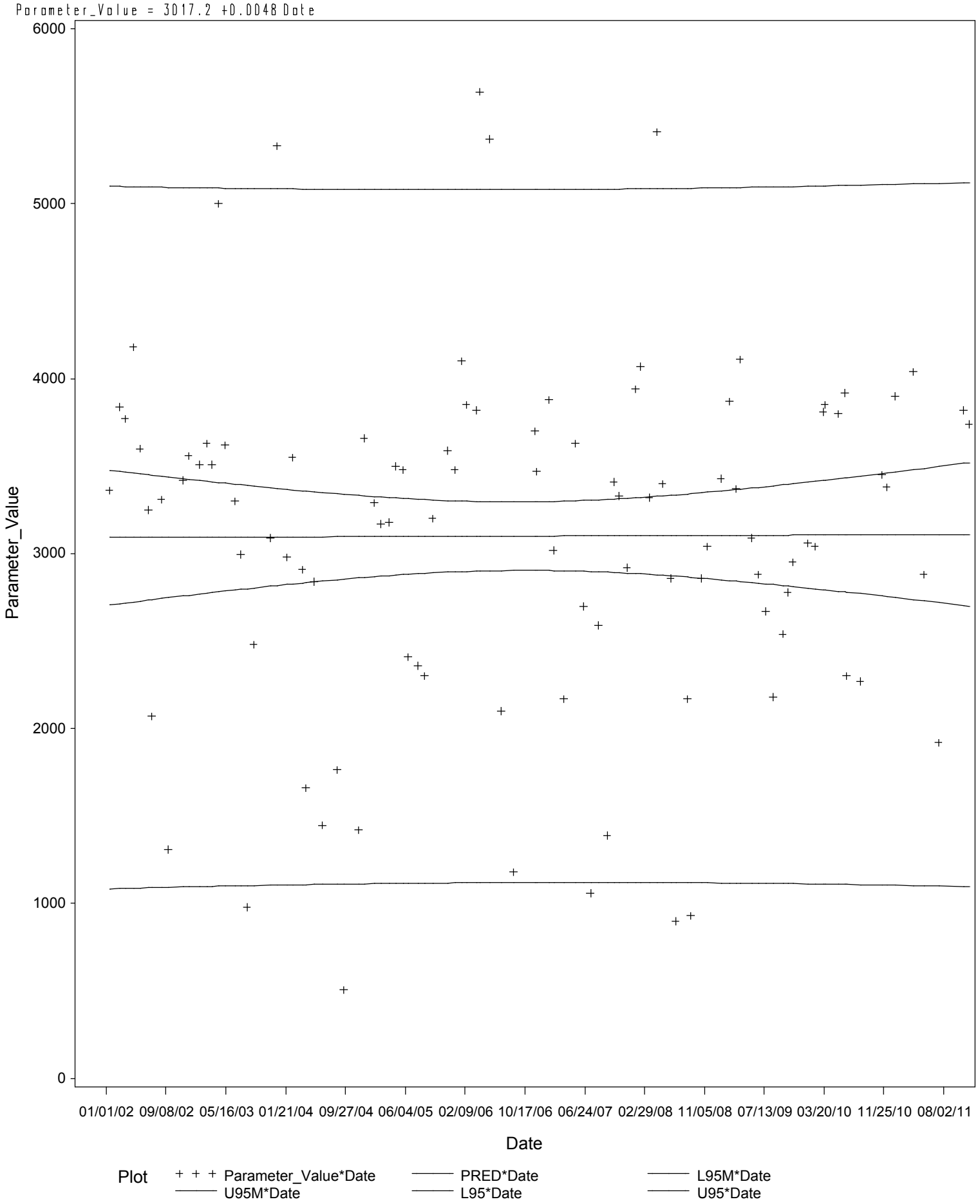
Rio Grande Below Riverside Diversion Dam

Parameter=SILVER, DISSOLVED (UG/L AS AG) Station=15795



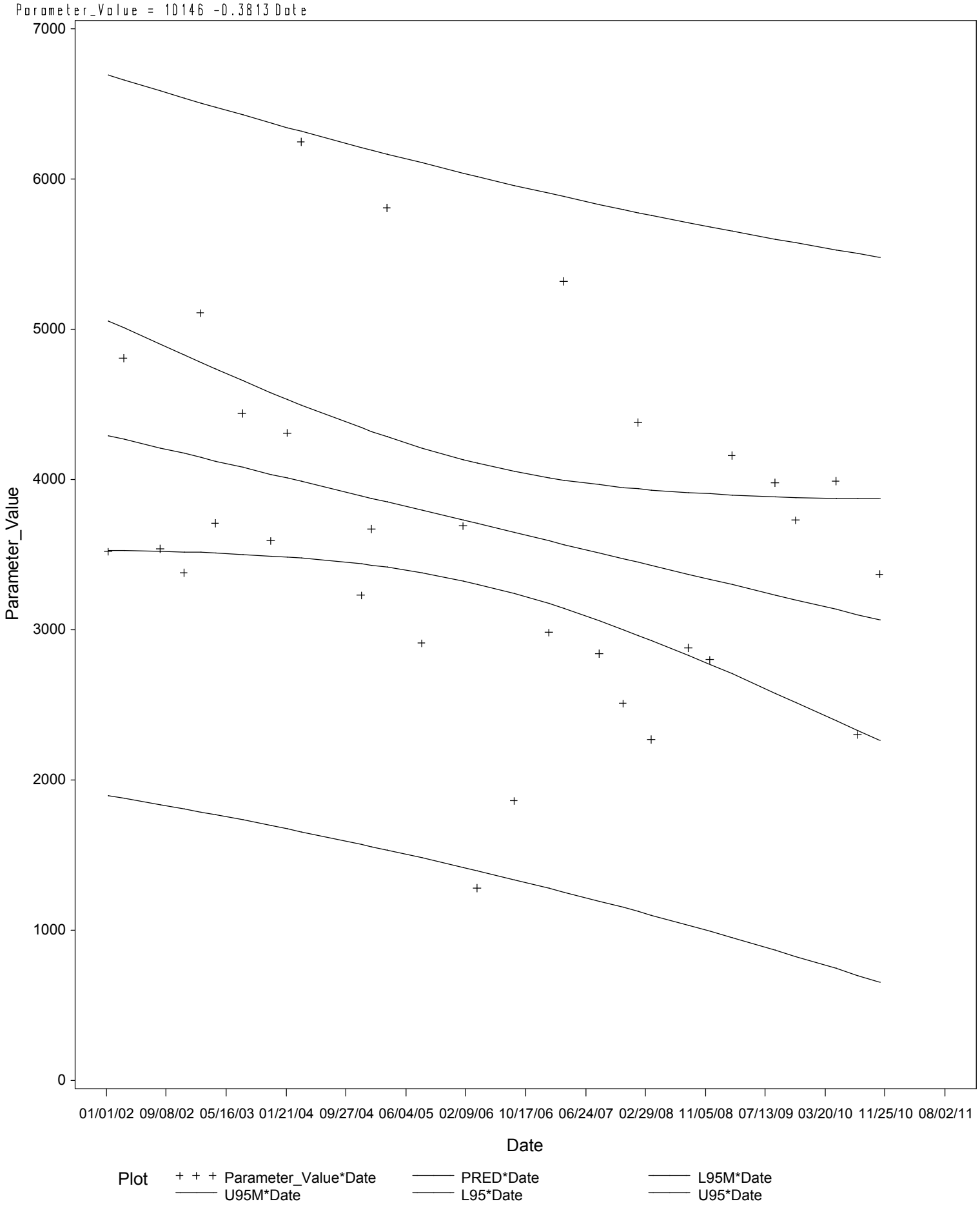
Rio Grande Below Riverside Diversion Dam

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13230



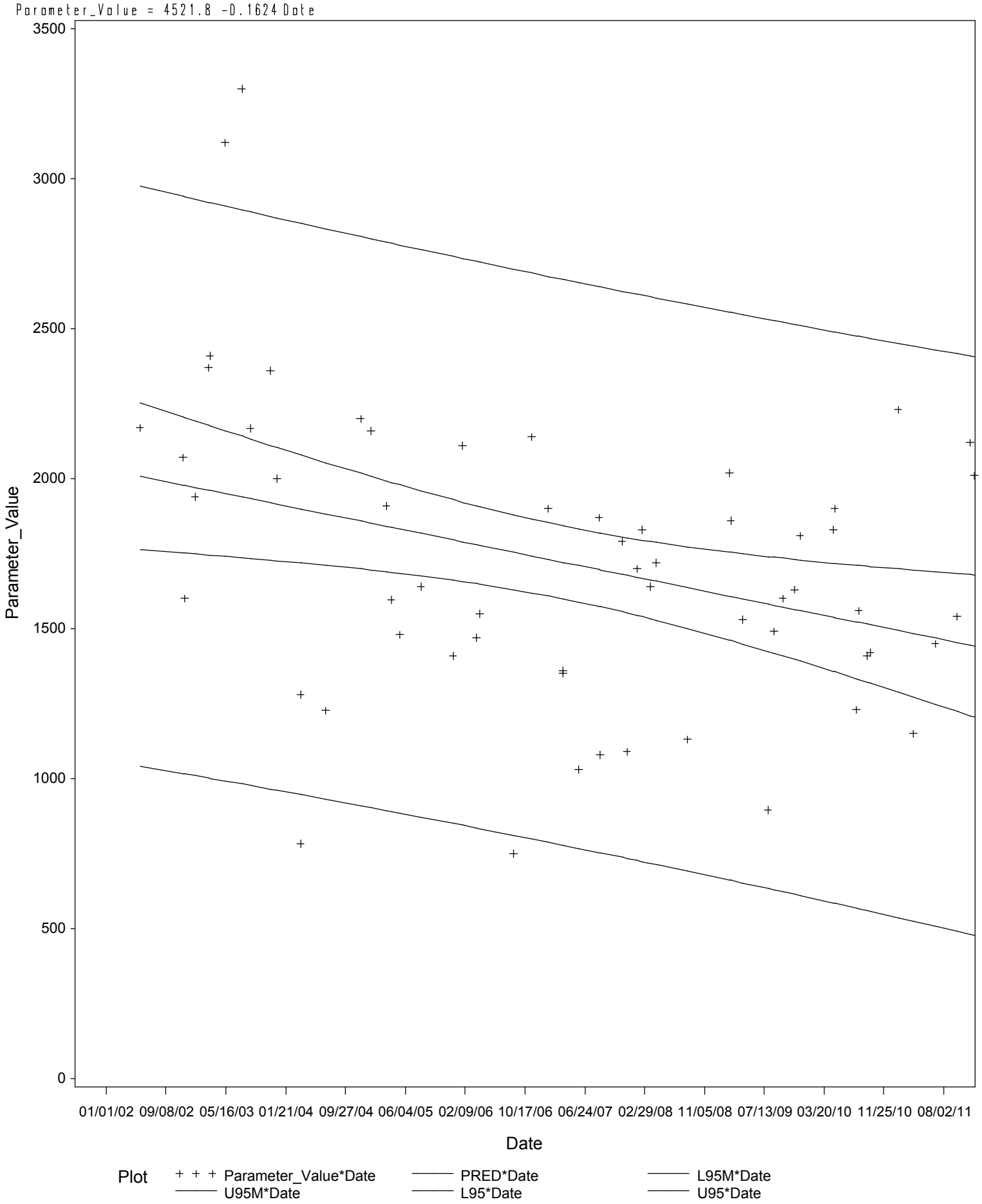
Rio Grande Below Riverside Diversion Dam

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13232



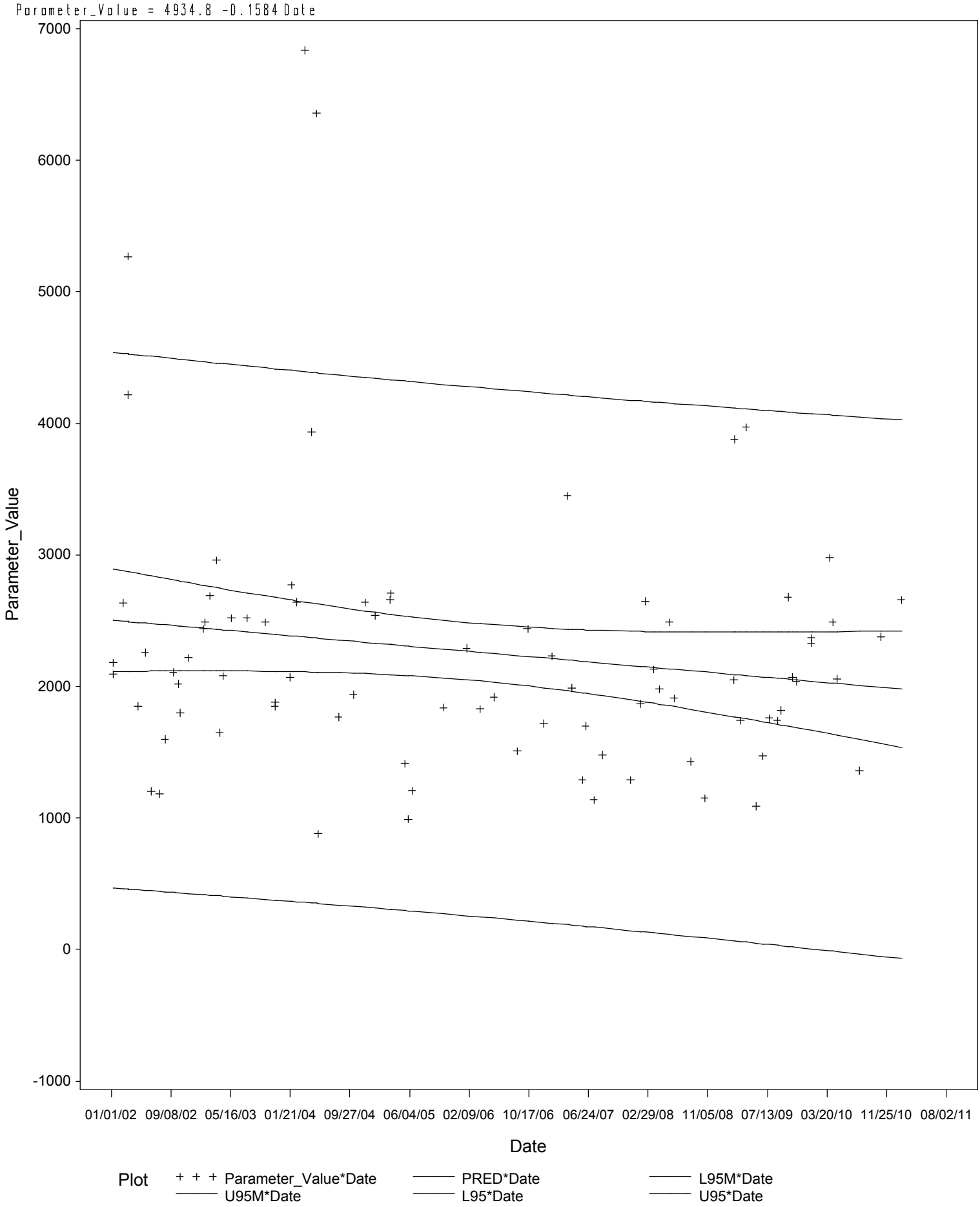
Rio Grande Below Riverside Diversion Dam

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15704



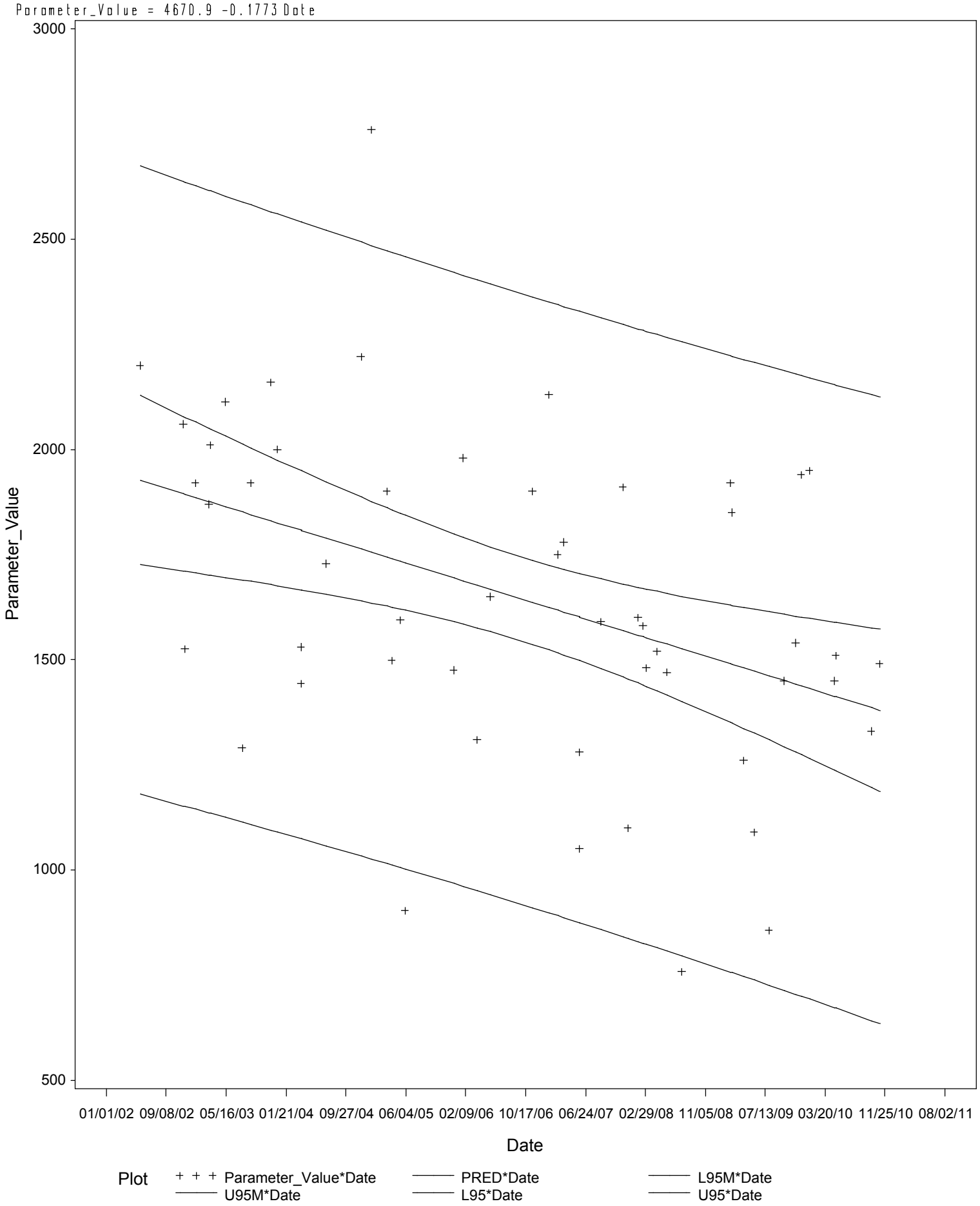
Rio Grande Below Riverside Diversion Dam

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15795



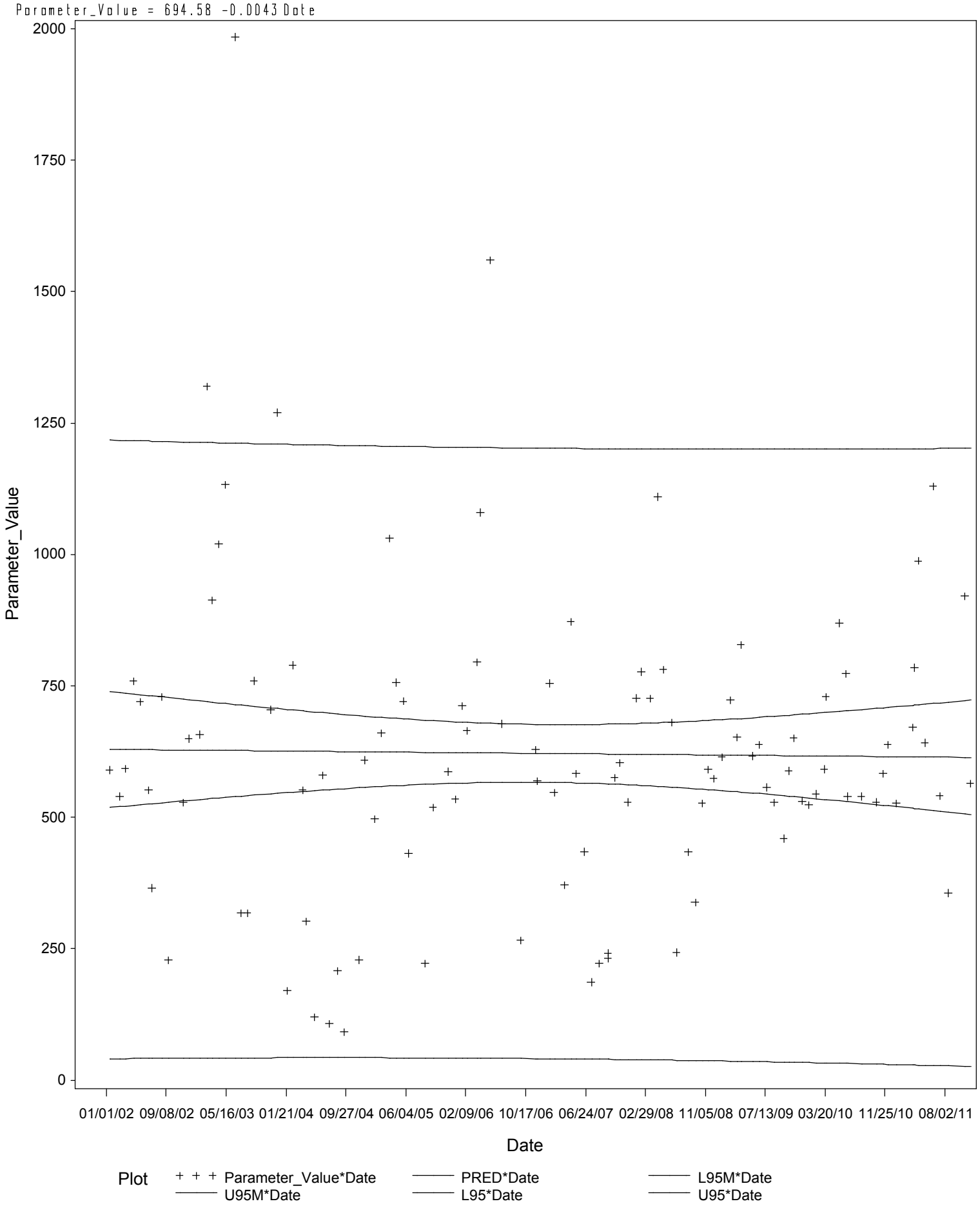
Rio Grande Below Riverside Diversion Dam

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=16272



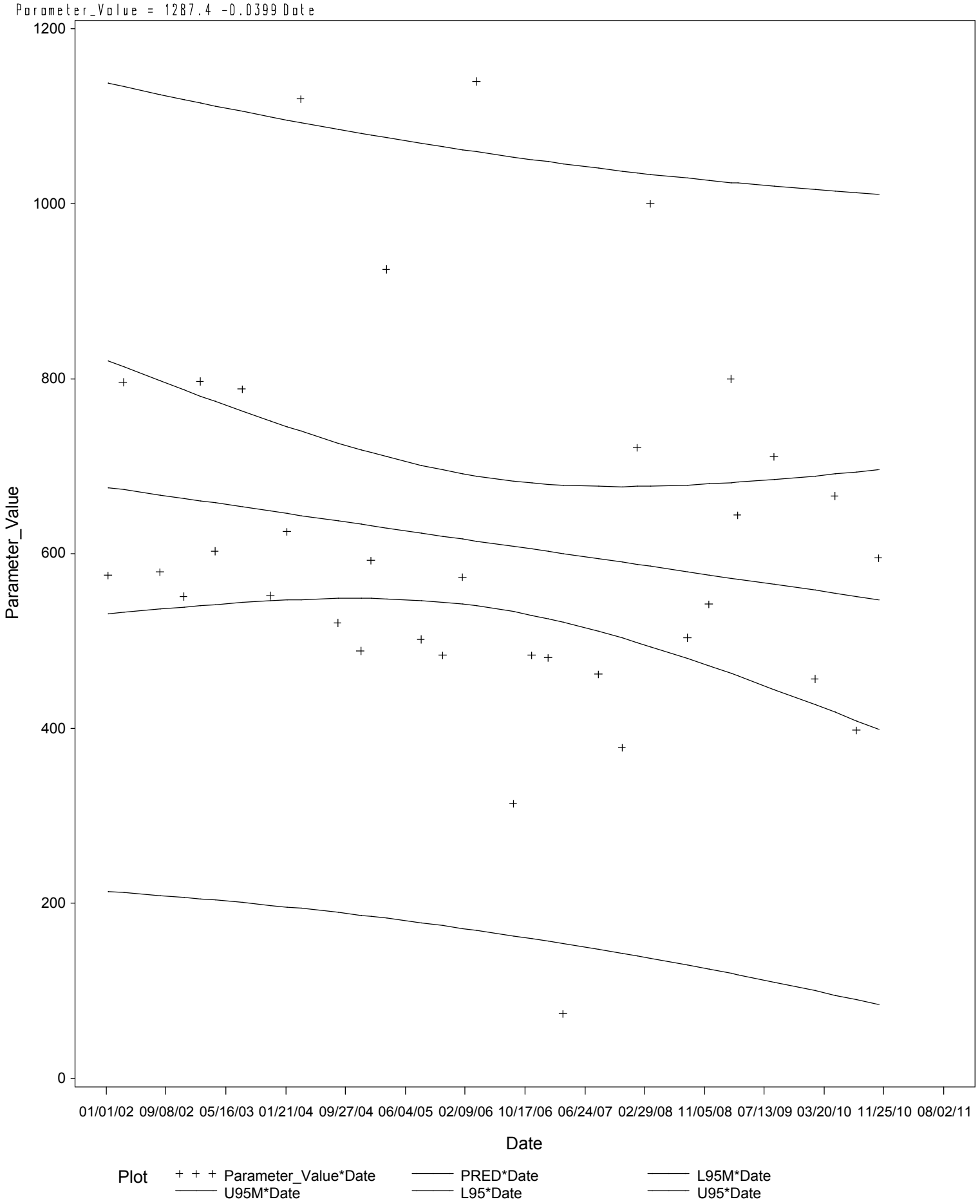
Rio Grande Below Riverside Diversion Dam

Parameter=SULFATE (MG/L AS SO4) Station=13230



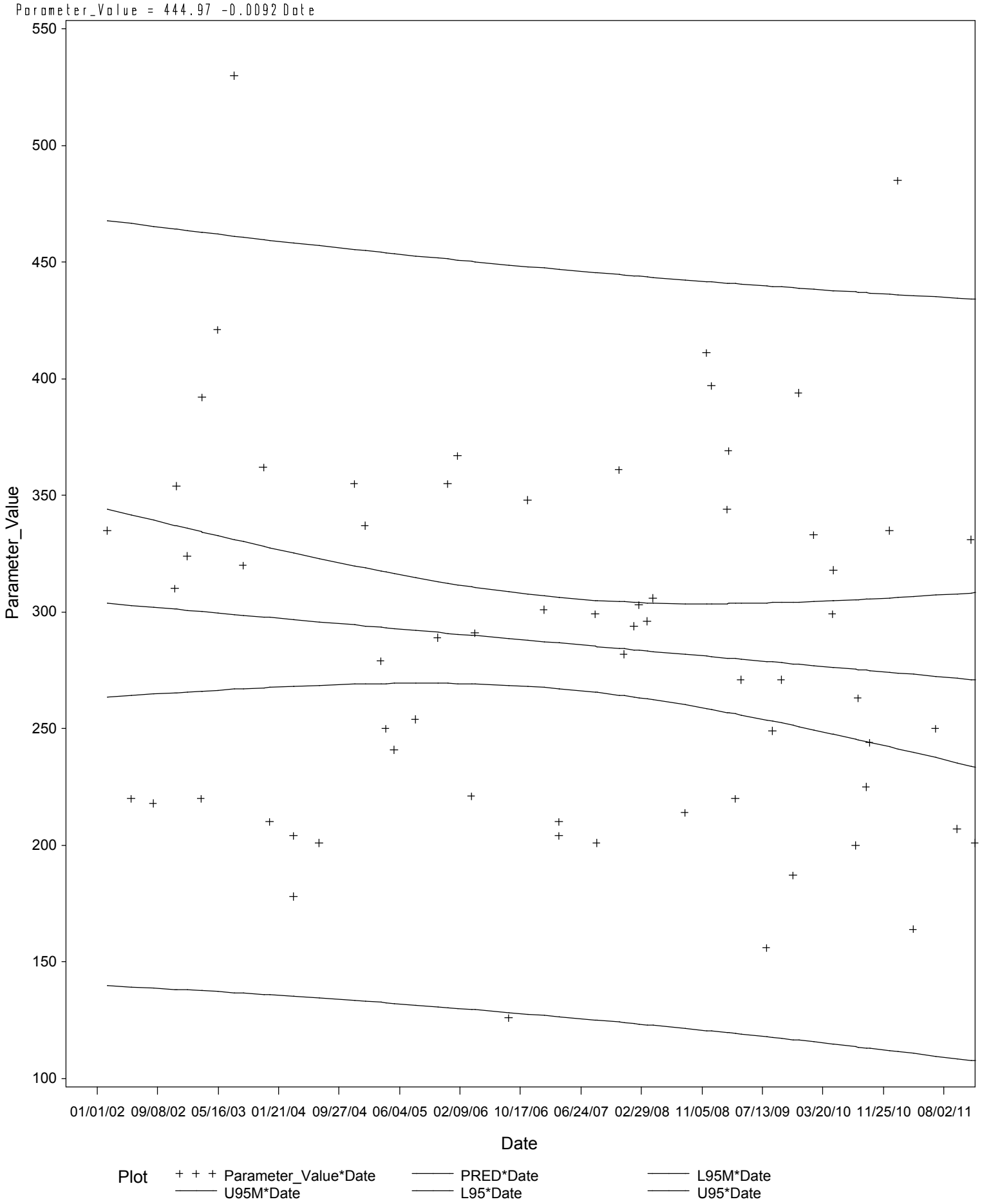
Rio Grande Below Riverside Diversion Dam

Parameter=SULFATE (MG/L AS SO4) Station=13232



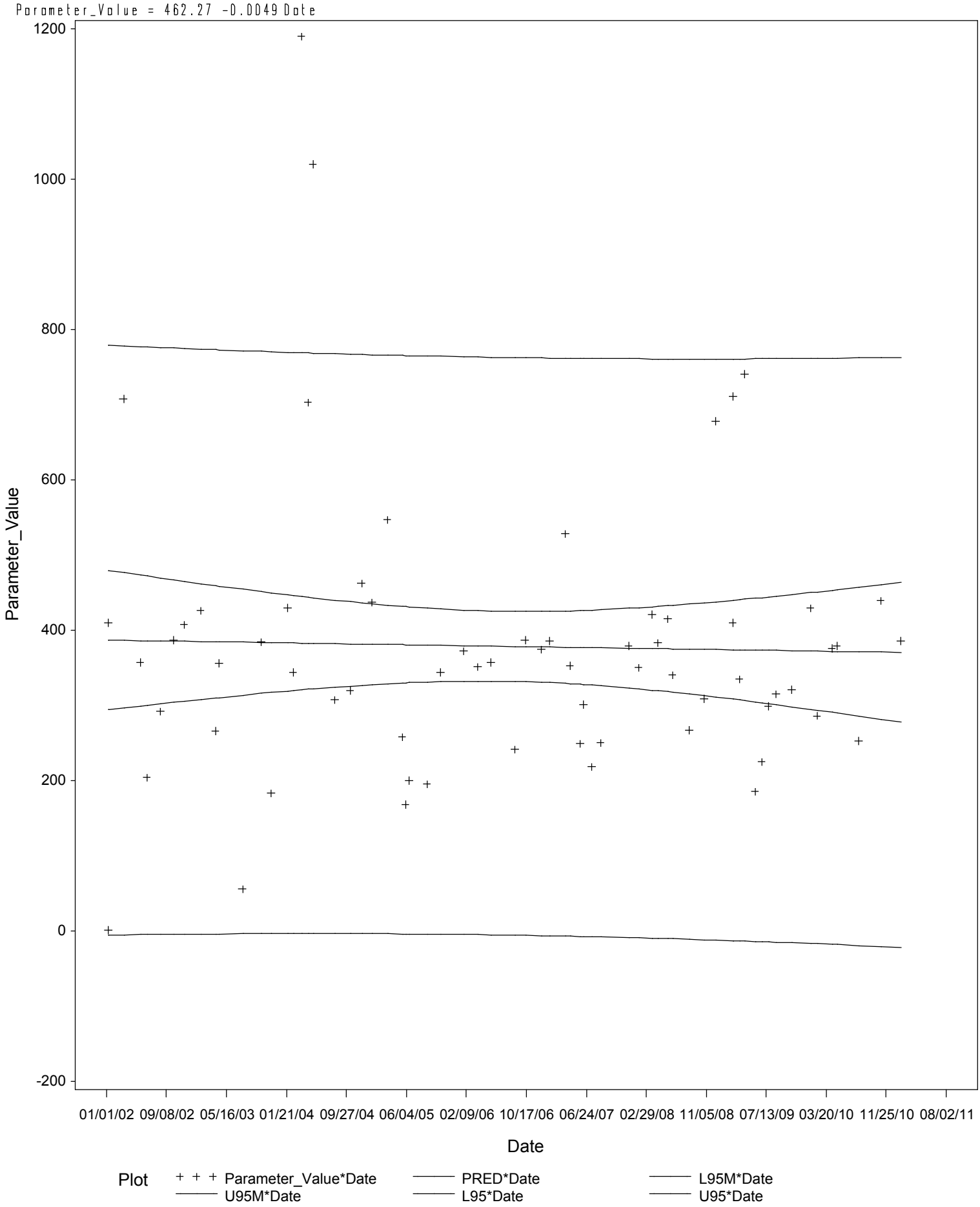
Rio Grande Below Riverside Diversion Dam

Parameter=SULFATE (MG/L AS SO4) Station=15704



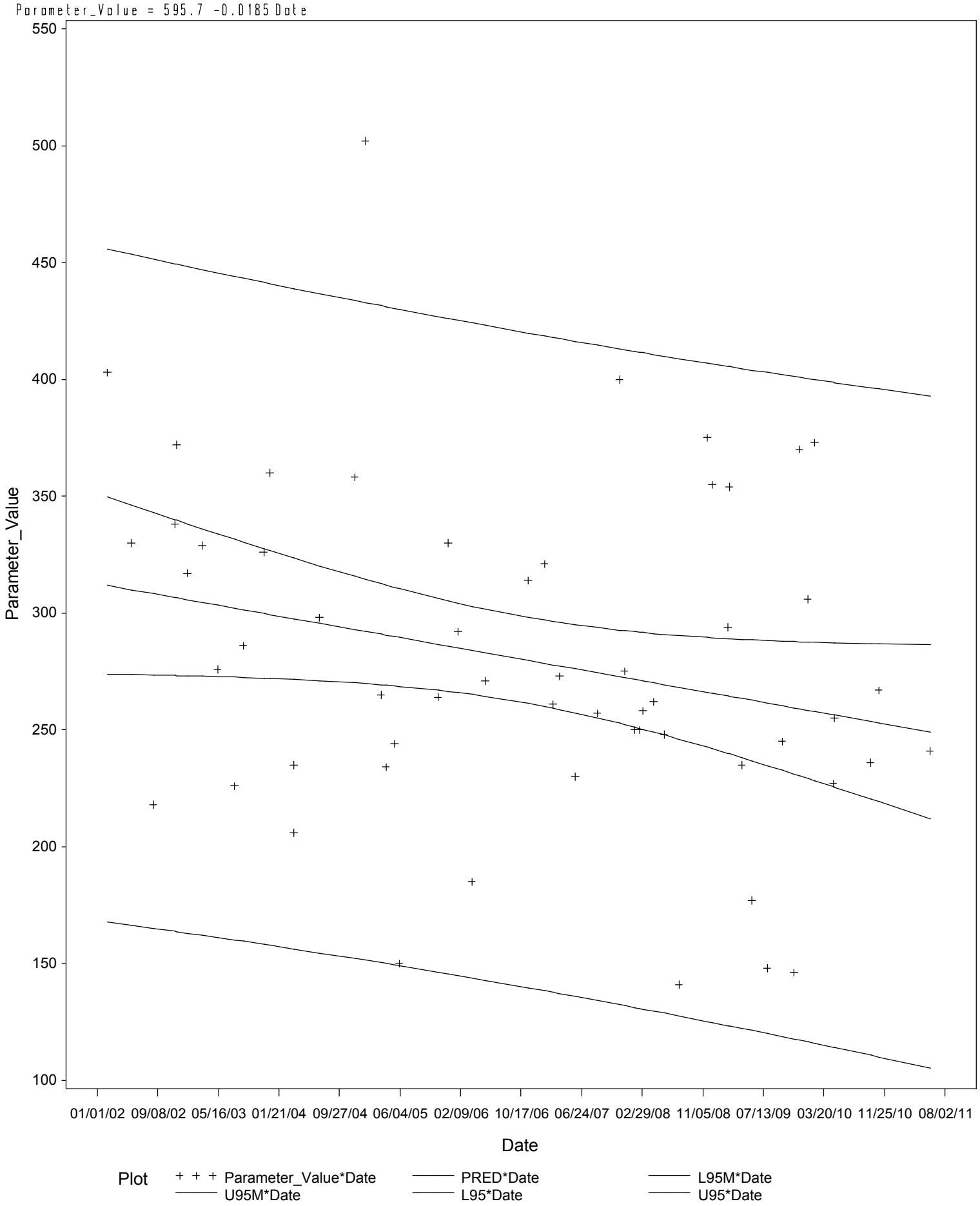
Rio Grande Below Riverside Diversion Dam

Parameter=SULFATE (MG/L AS SO4) Station=15795

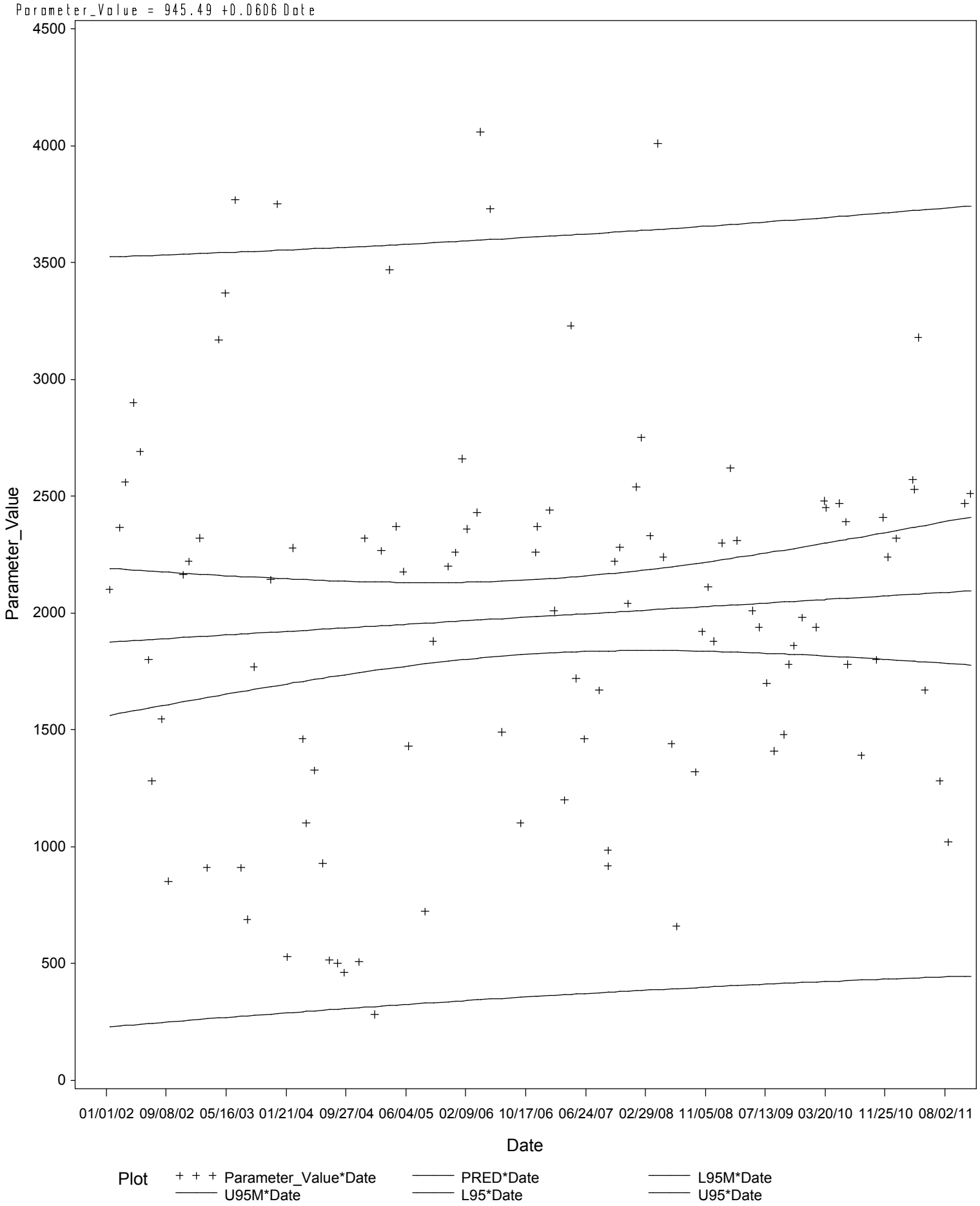


Rio Grande Below Riverside Diversion Dam

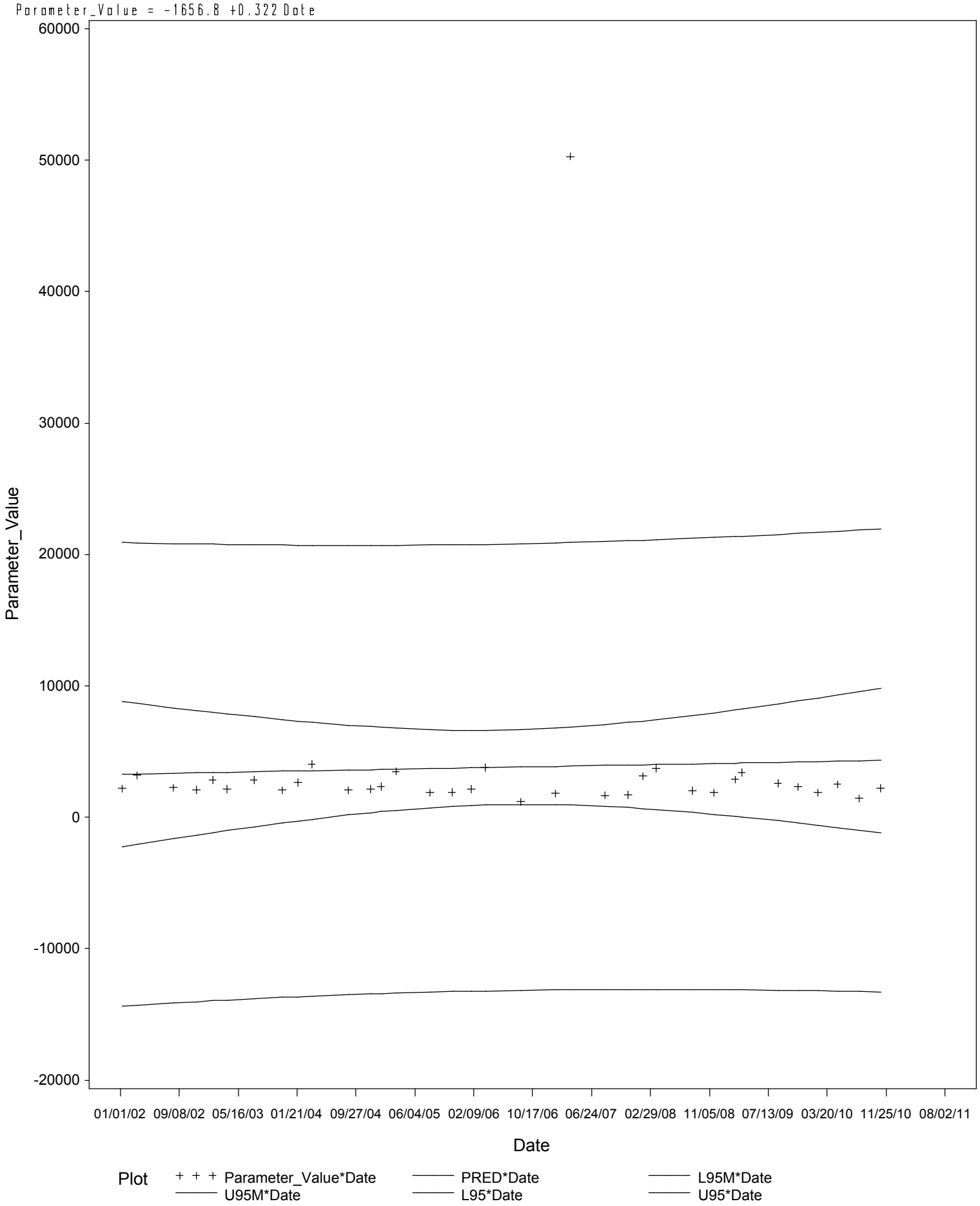
Parameter=SULFATE (MG/L AS SO4) Station=16272



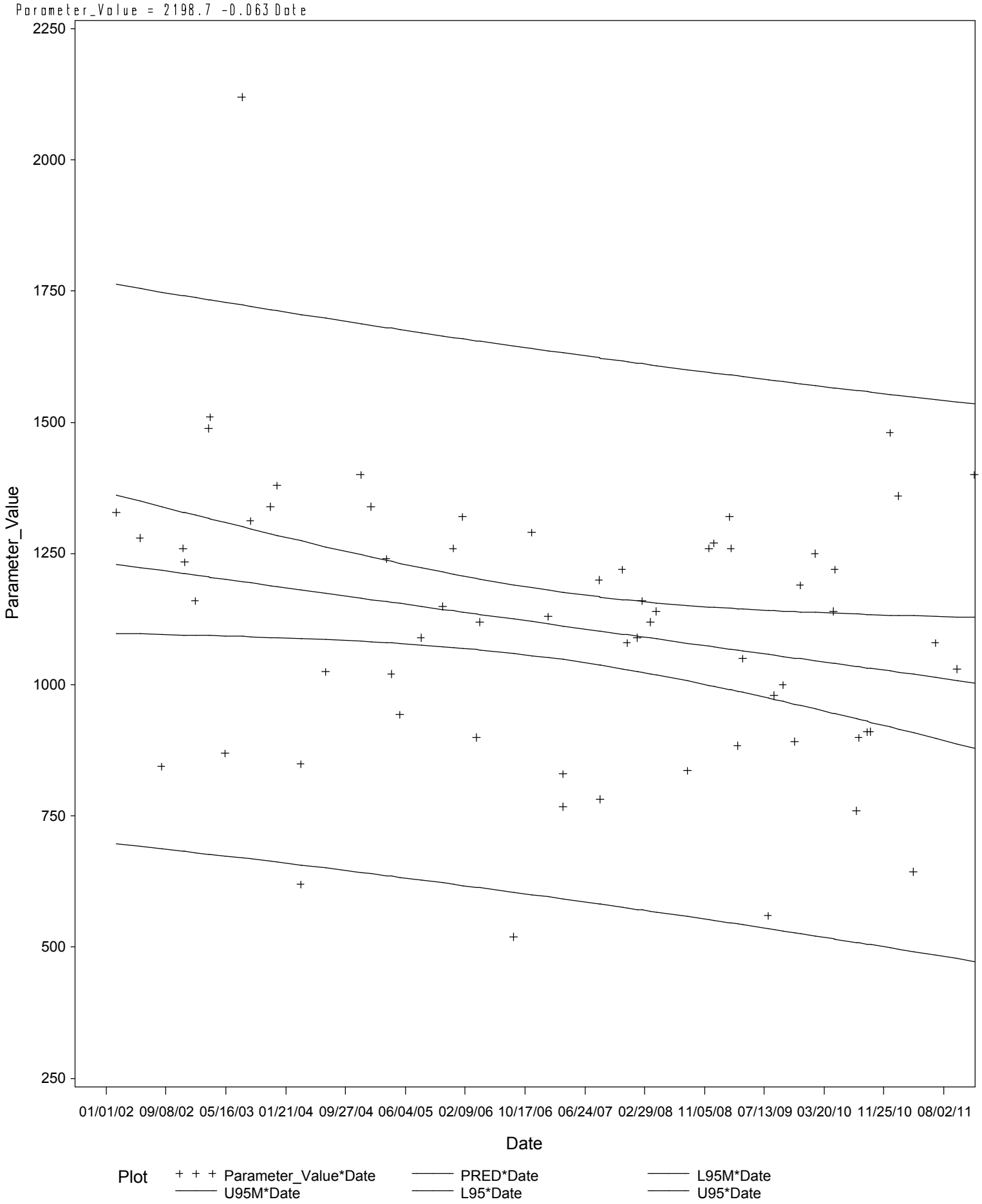
Rio Grande Below Riverside Diversion Dam
Parameter=TDS (MG/L) Station=13230



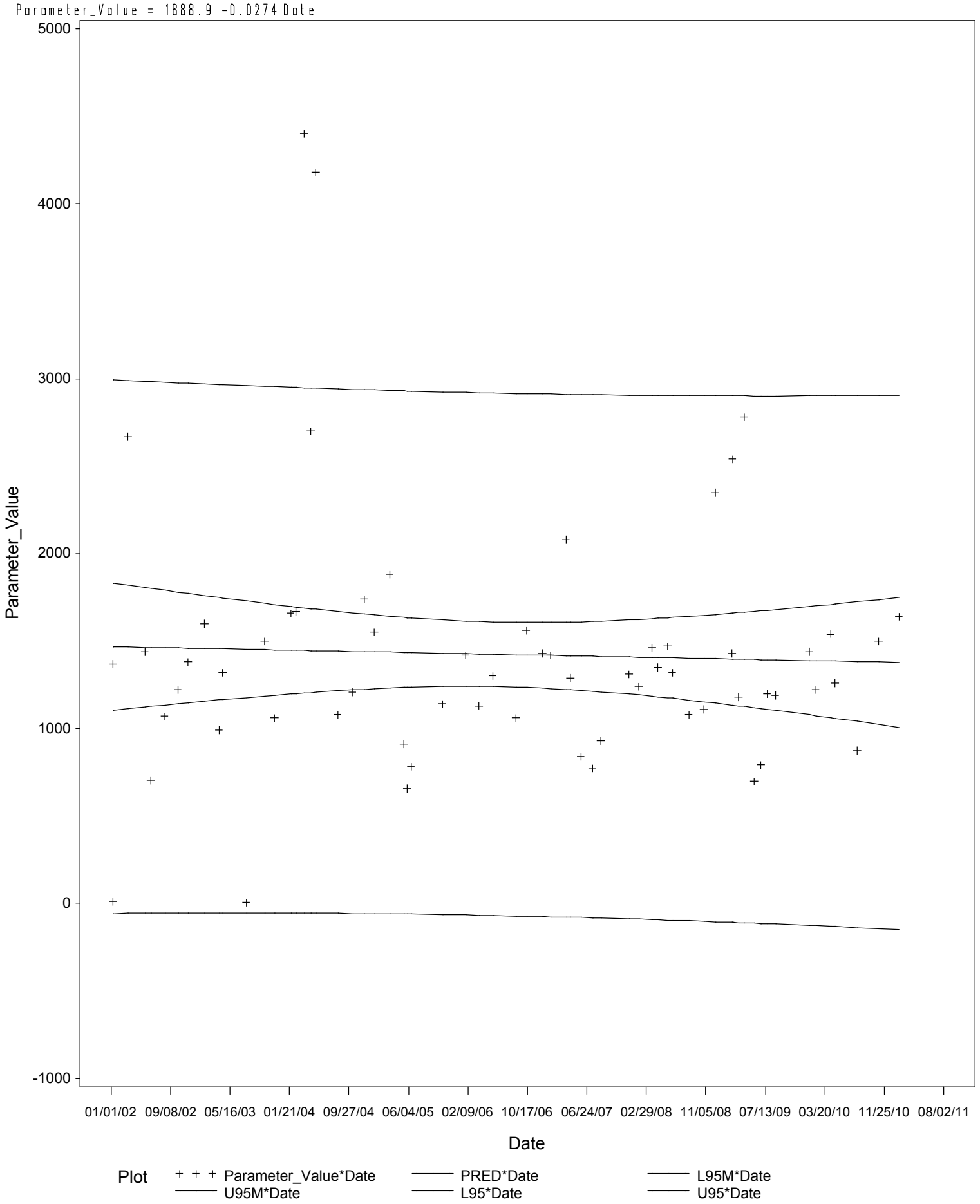
Rio Grande Below Riverside Diversion Dam
Parameter=TDS (MG/L) Station=13232



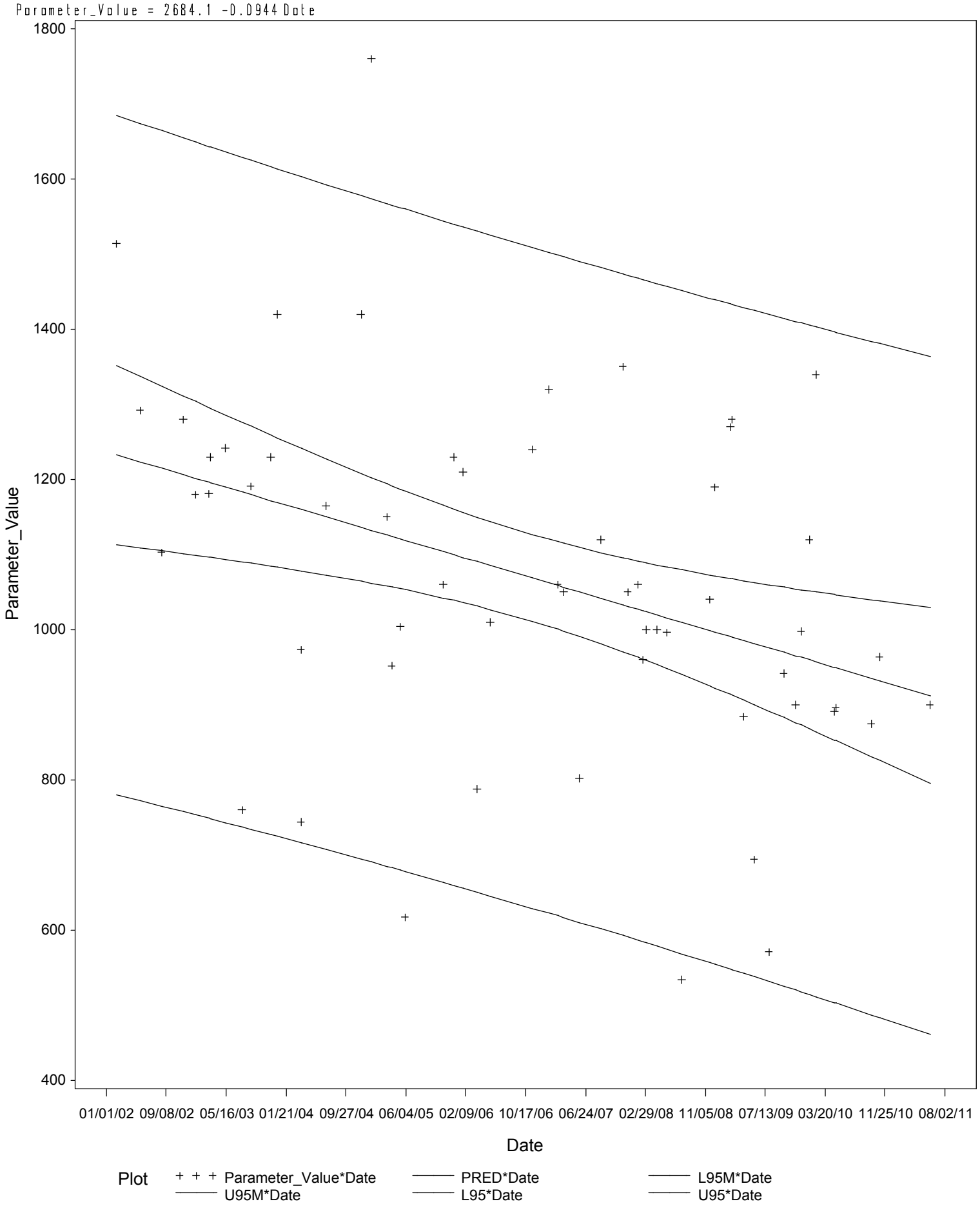
Rio Grande Below Riverside Diversion Dam
Parameter=TDS (MG/L) Station=15704



Rio Grande Below Riverside Diversion Dam
Parameter=TDS (MG/L) Station=15795

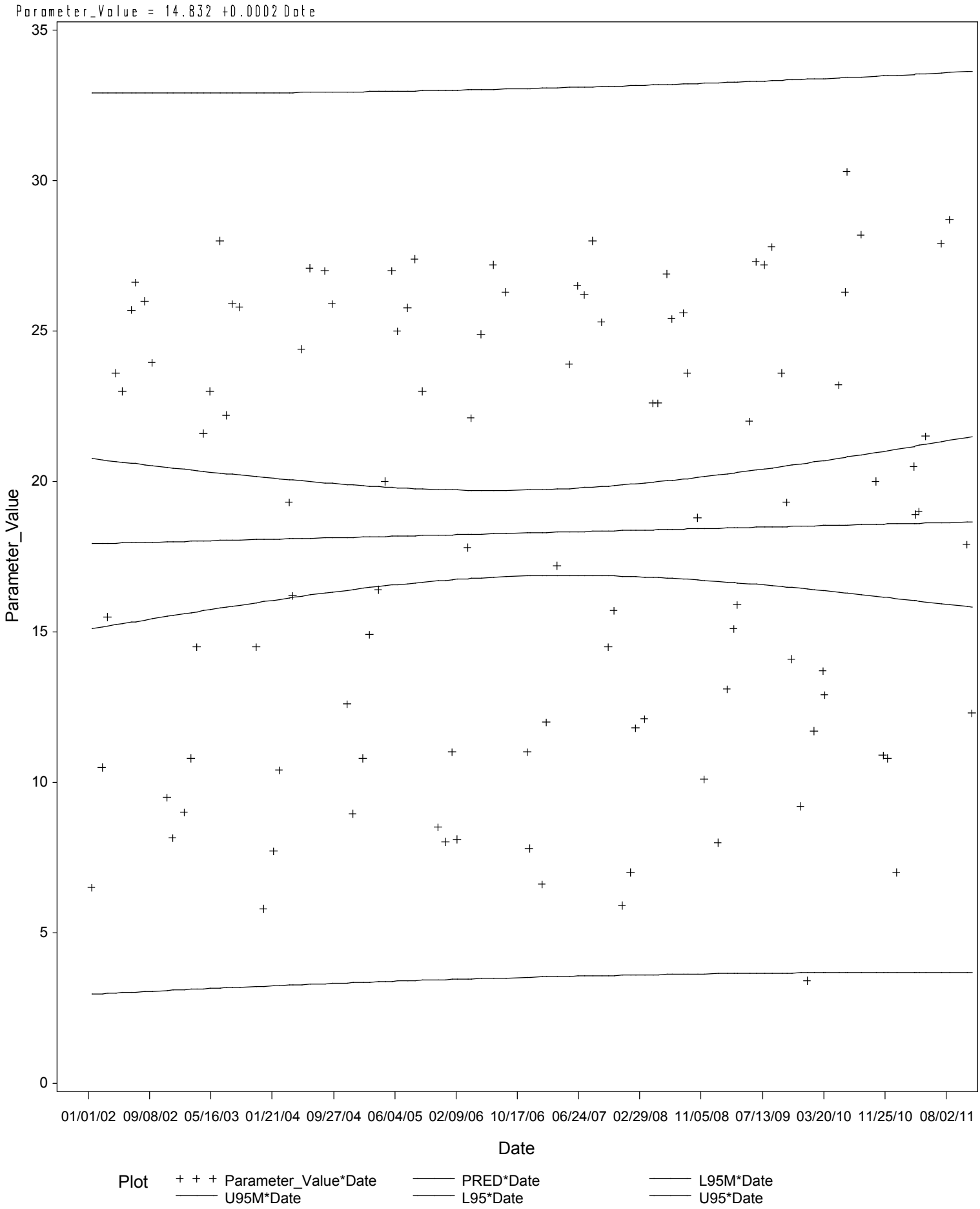


Rio Grande Below Riverside Diversion Dam
Parameter=TDS (MG/L) Station=16272



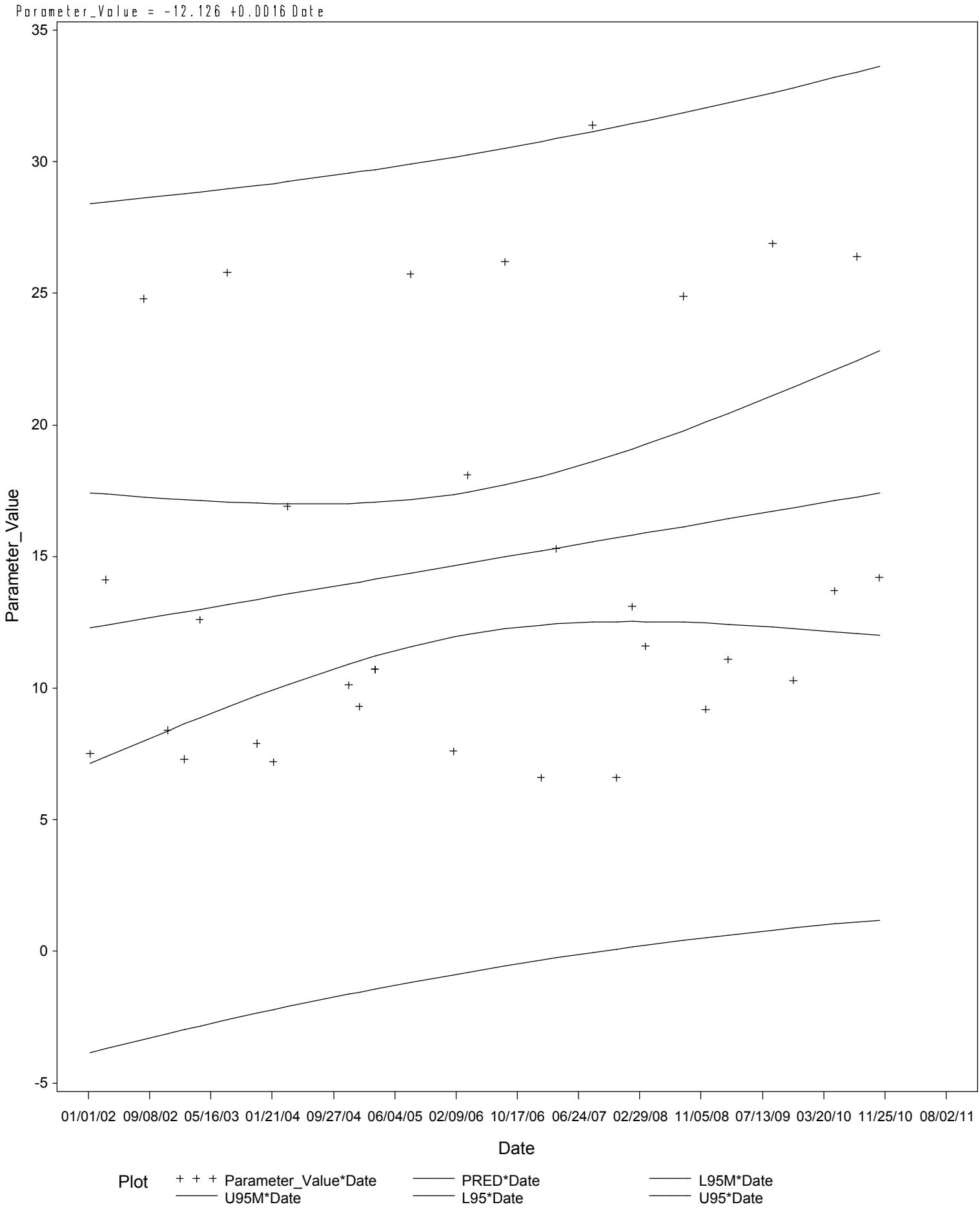
Rio Grande Below Riverside Diversion Dam

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13230



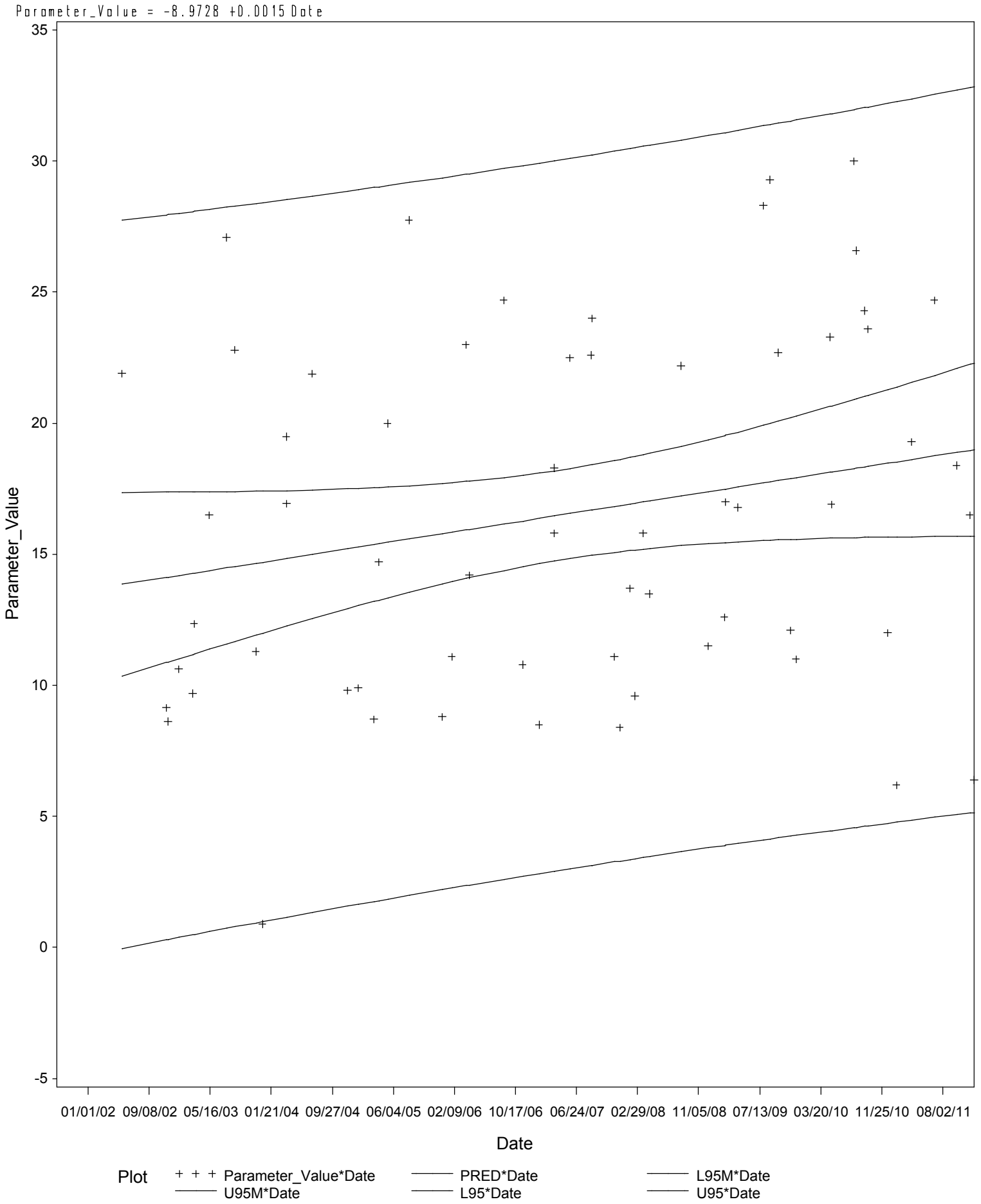
Rio Grande Below Riverside Diversion Dam

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13232



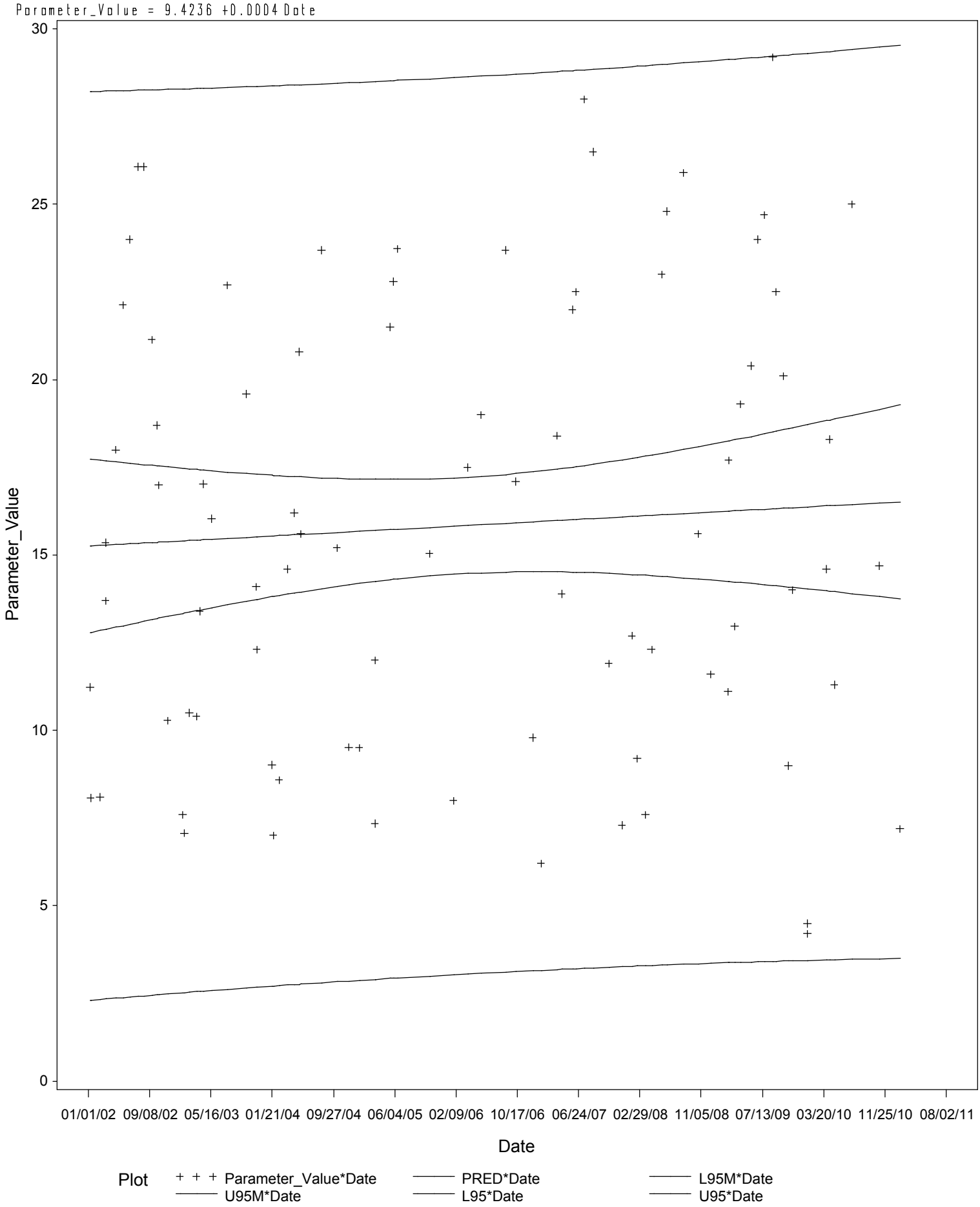
Rio Grande Below Riverside Diversion Dam

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15704



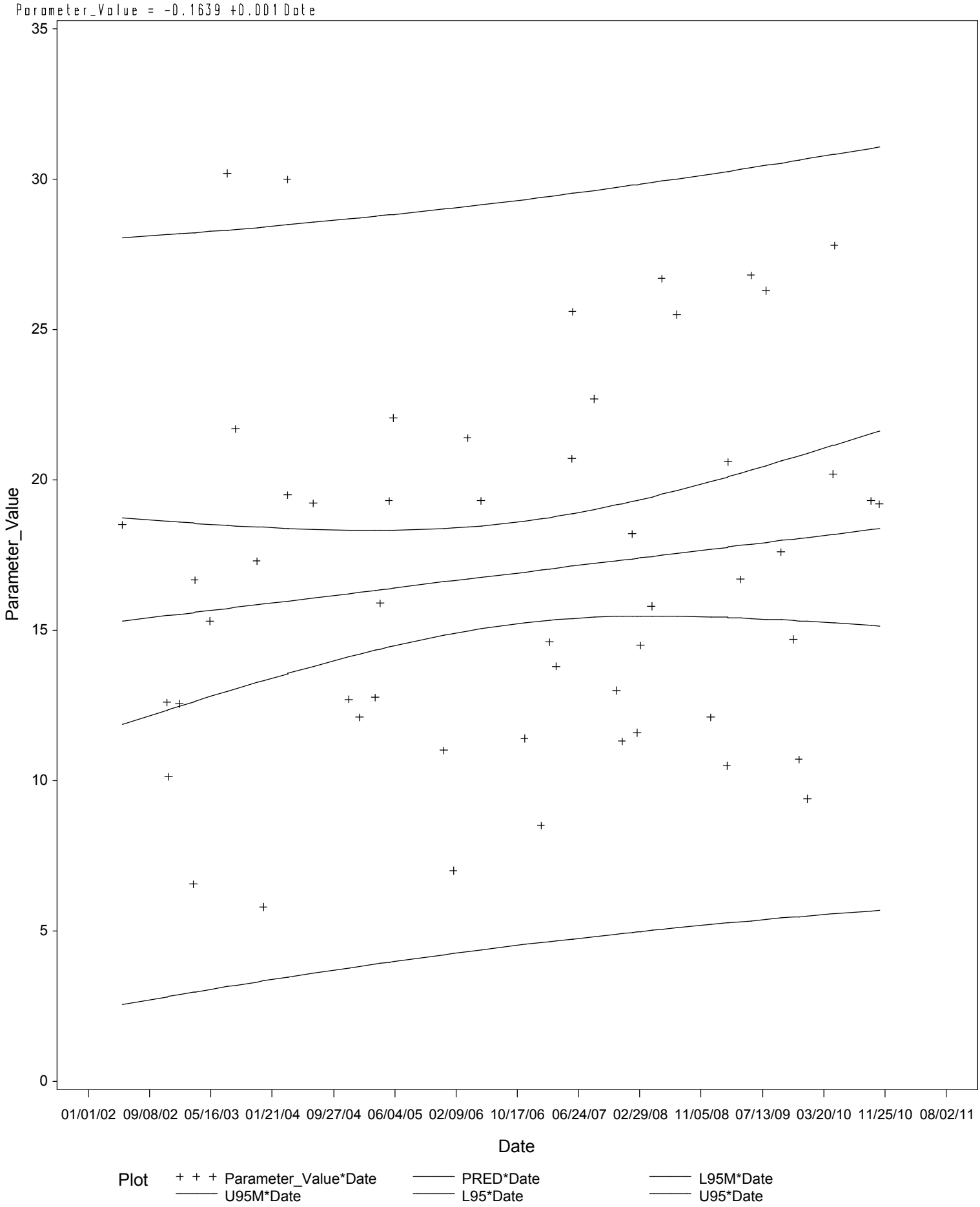
Rio Grande Below Riverside Diversion Dam

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15795



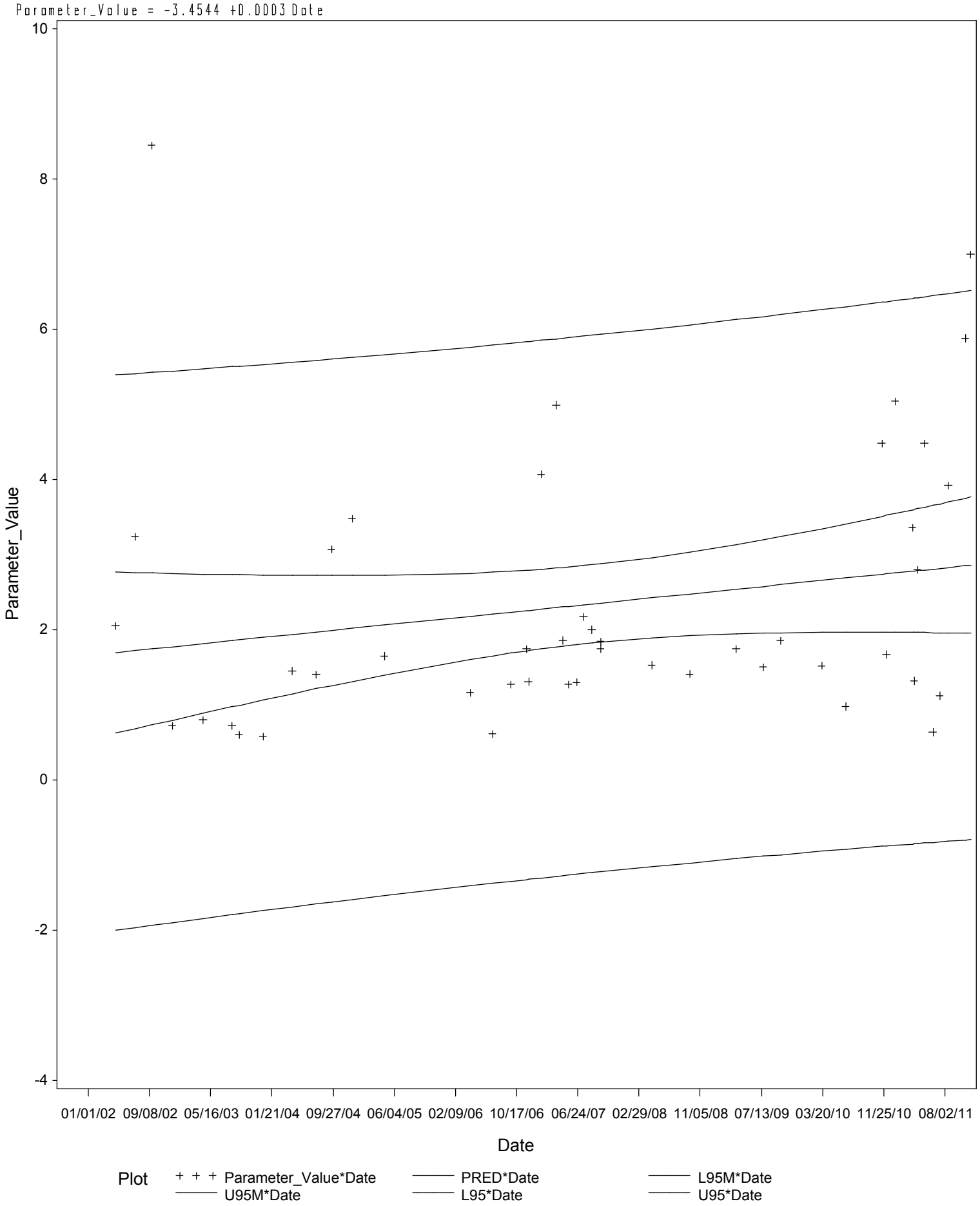
Rio Grande Below Riverside Diversion Dam

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=16272



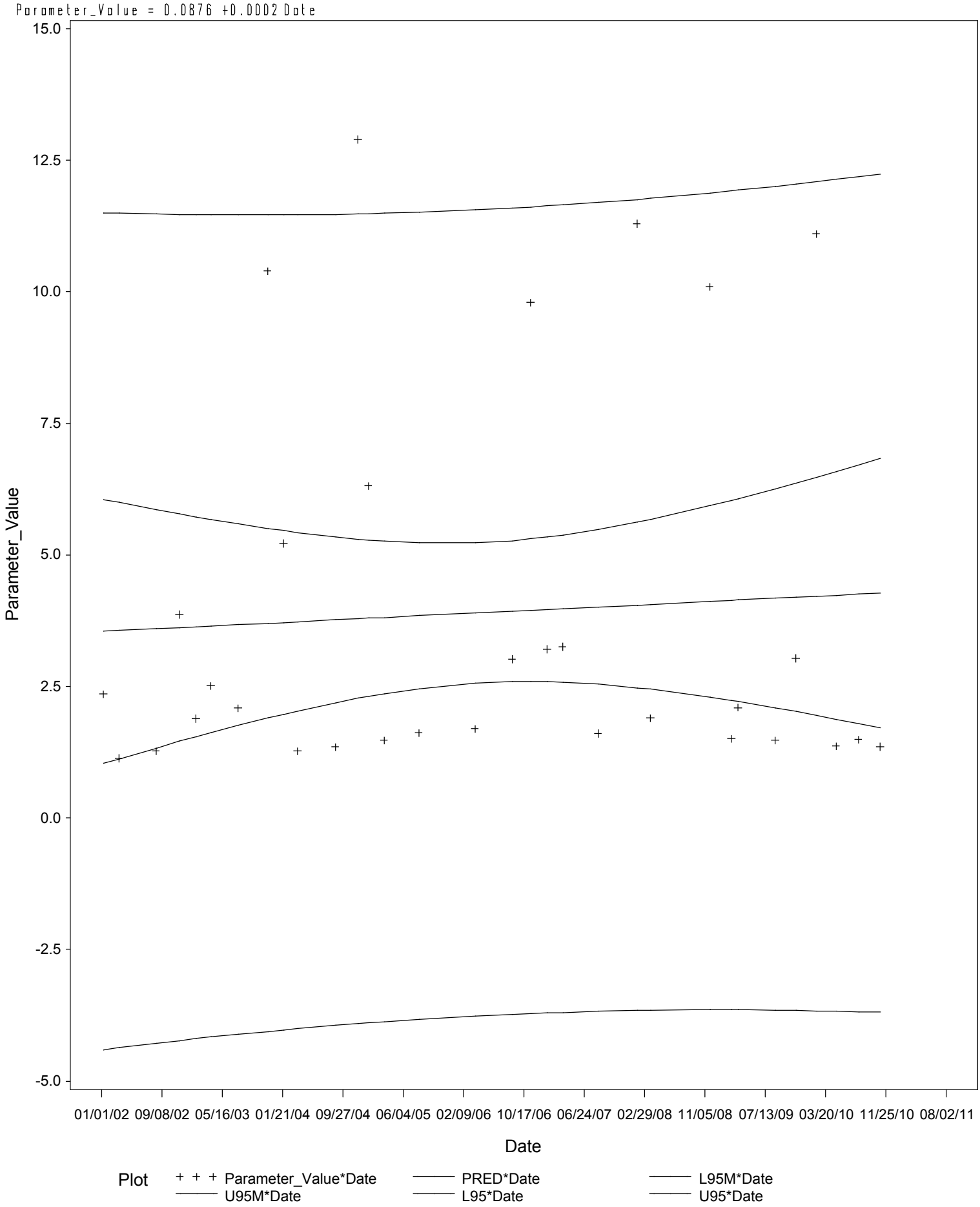
Rio Grande Below Riverside Diversion Dam

Parameter=TKN (MG/L AS N) Station=13230



Rio Grande Below Riverside Diversion Dam

Parameter=TKN (MG/L AS N) Station=13232



Rio Grande Below Riverside Diversion Dam

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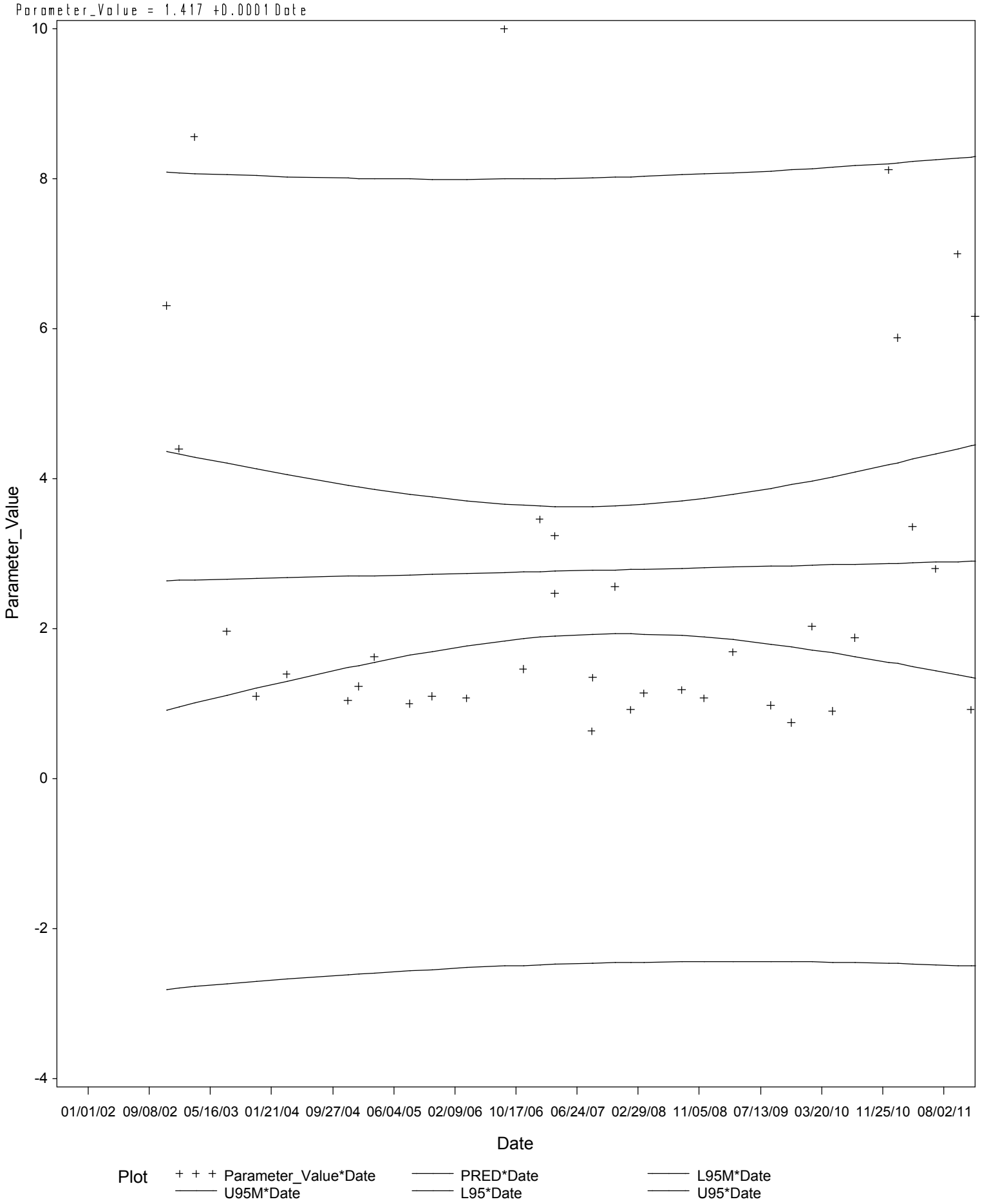
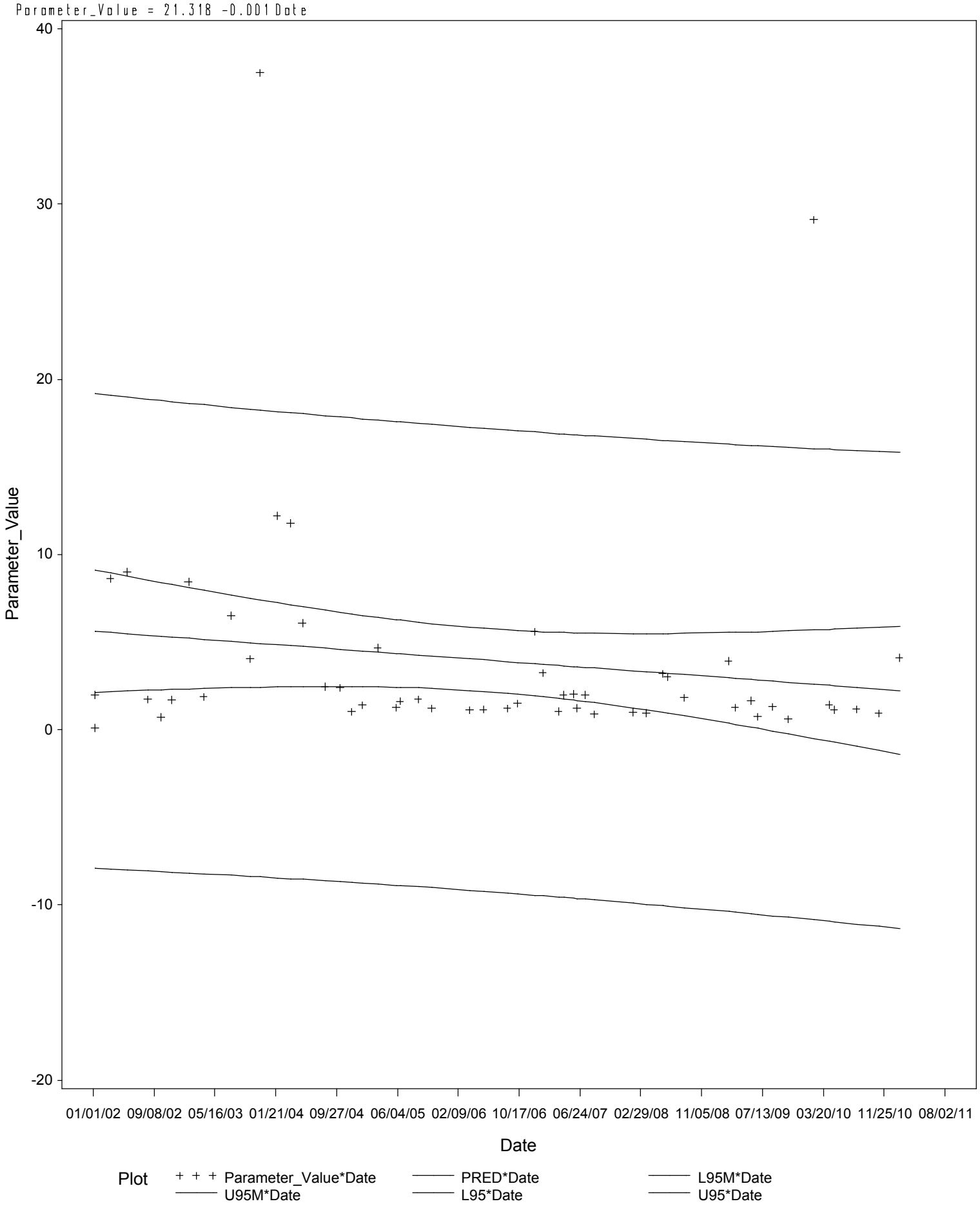


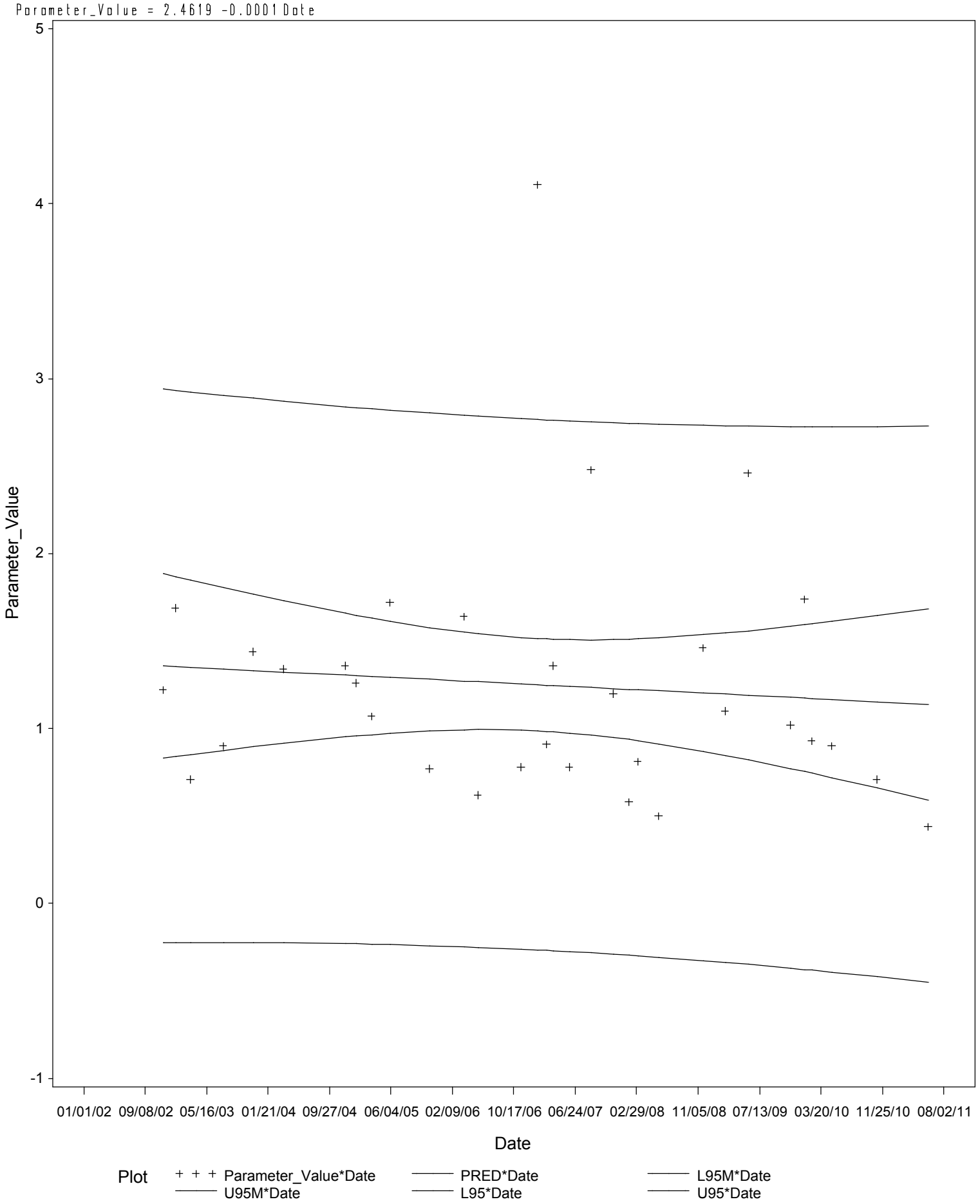
Rio Grande Below Riverside Diversion Dam

Parameter=TKN (MG/L AS N) Station=15795



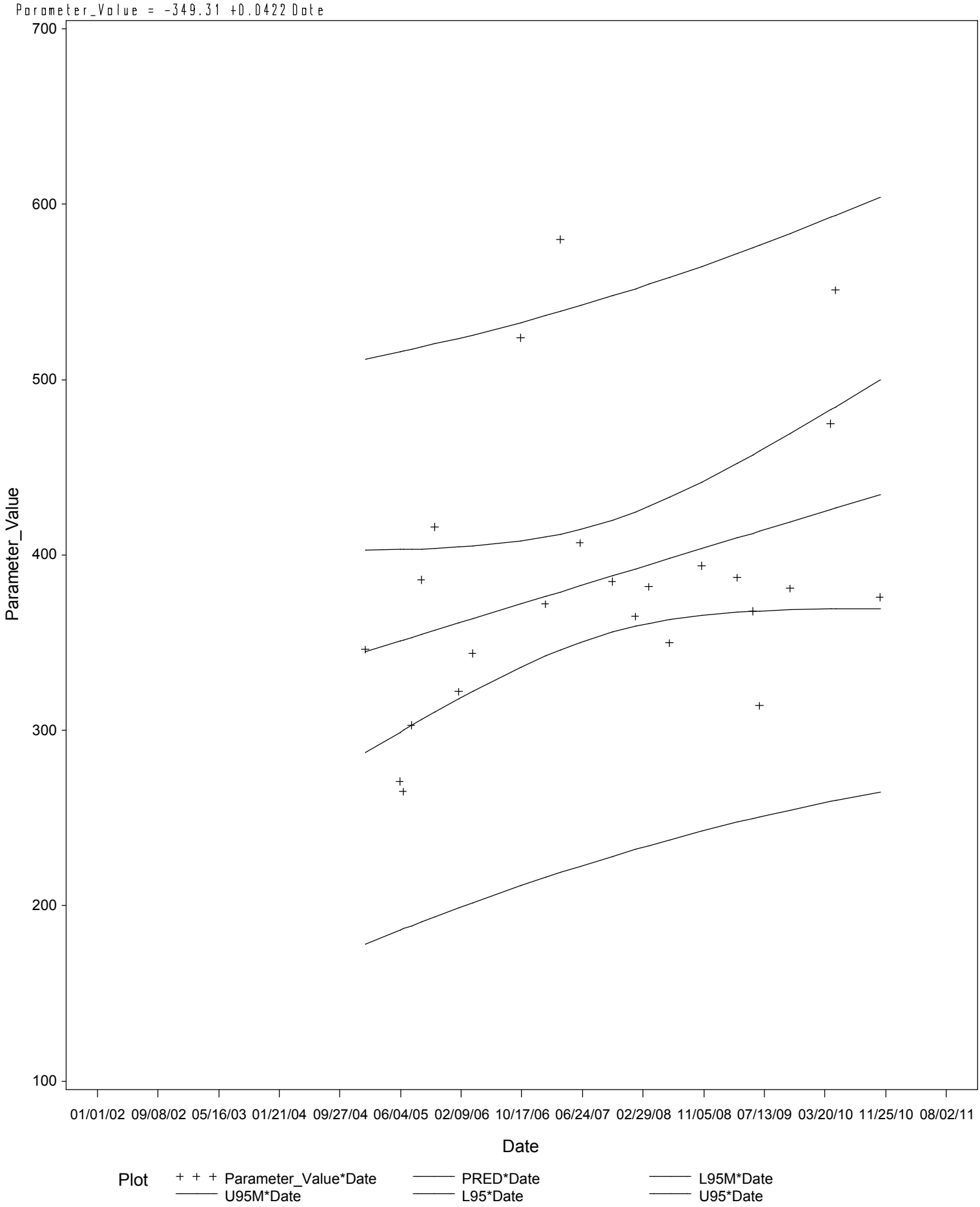
Rio Grande Below Riverside Diversion Dam

Parameter=TKN (MG/L AS N) Station=16272



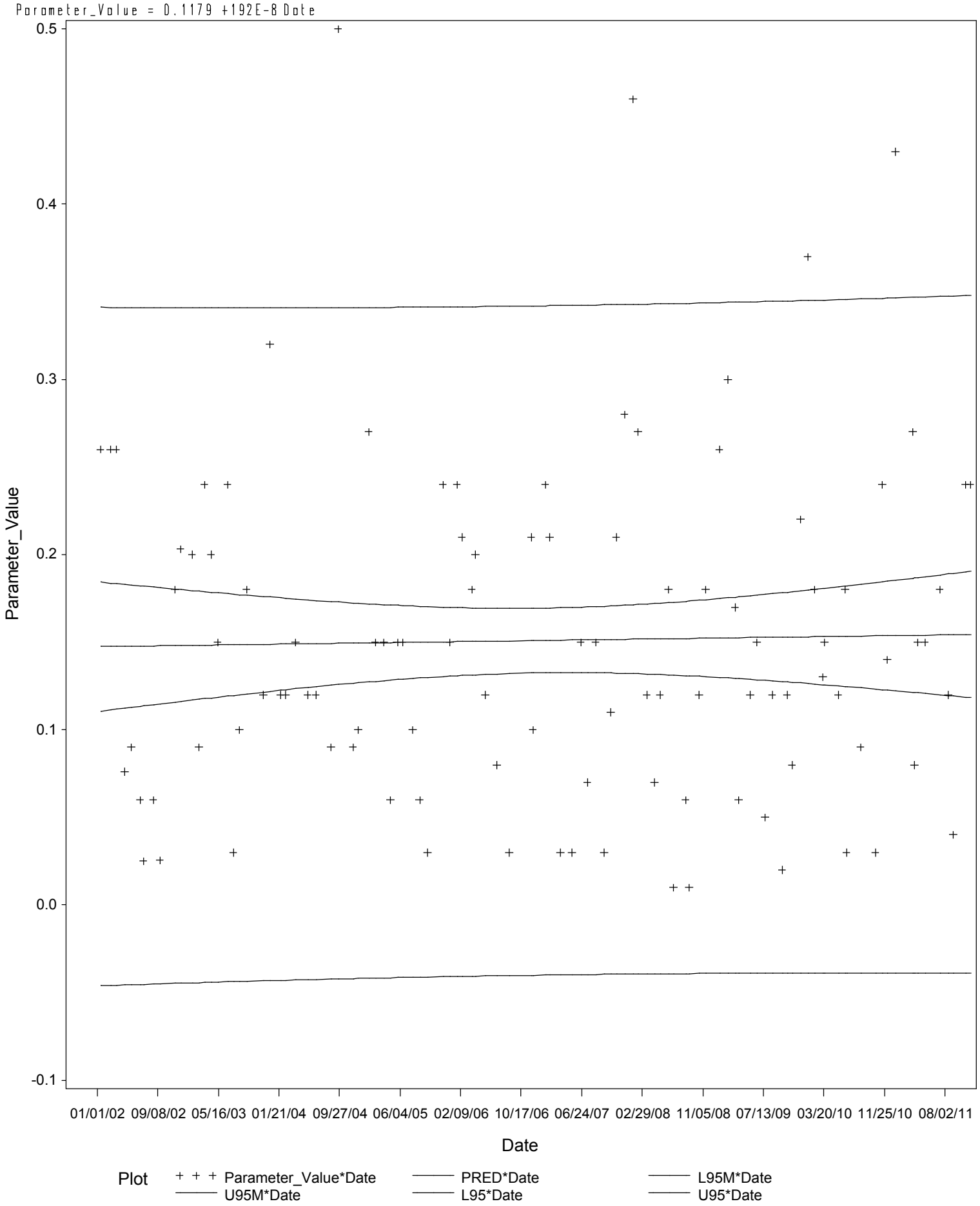
Rio Grande Below Riverside Diversion Dam

Parameter=TOTAL HARDNESS, (MG/L AS CaCO3) Station=15795



Rio Grande Below Riverside Diversion Dam

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13230



Rio Grande Below Riverside Diversion Dam

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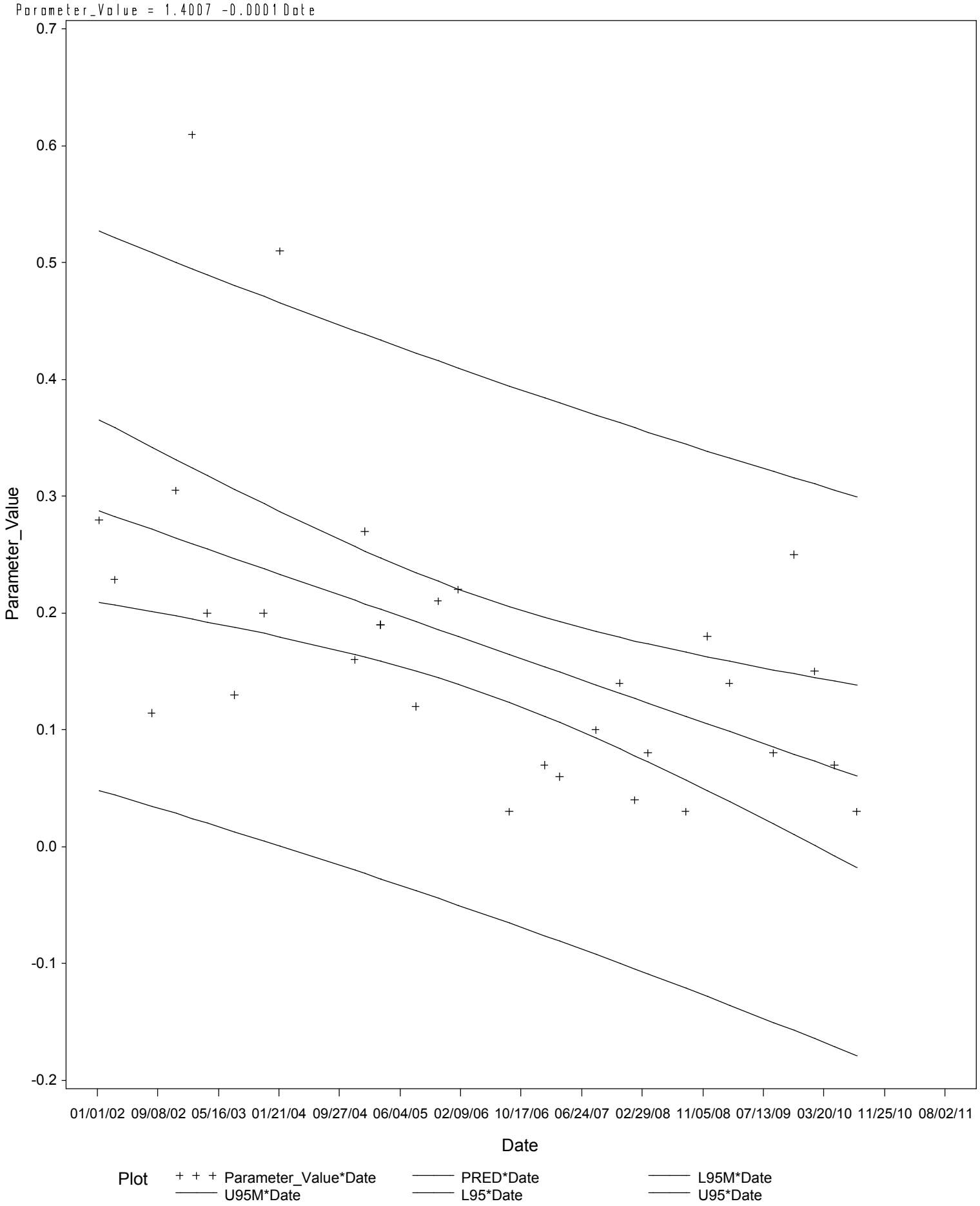

Rio Grande Below Riverside Diversion Dam

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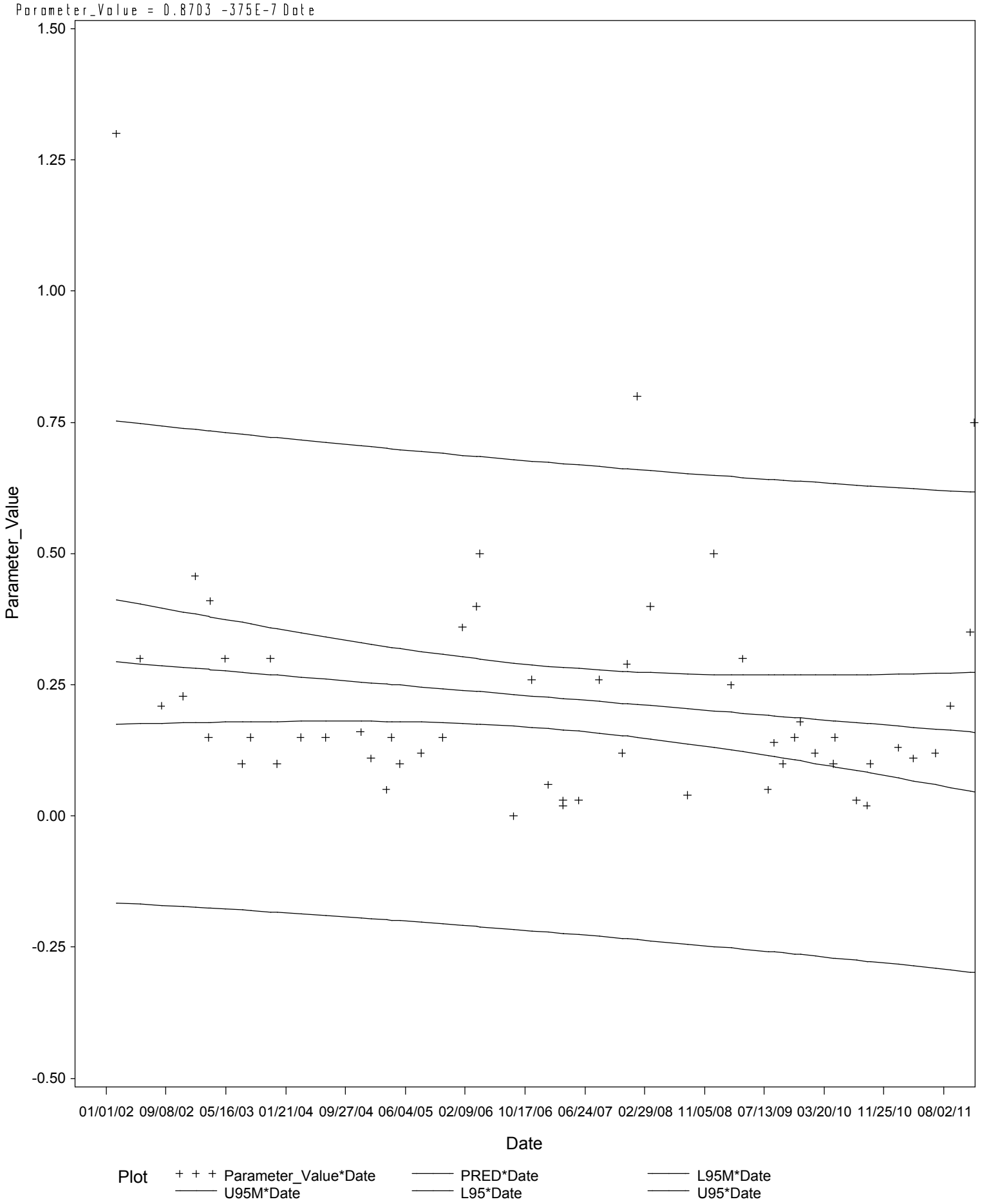

Rio Grande Below Riverside Diversion Dam

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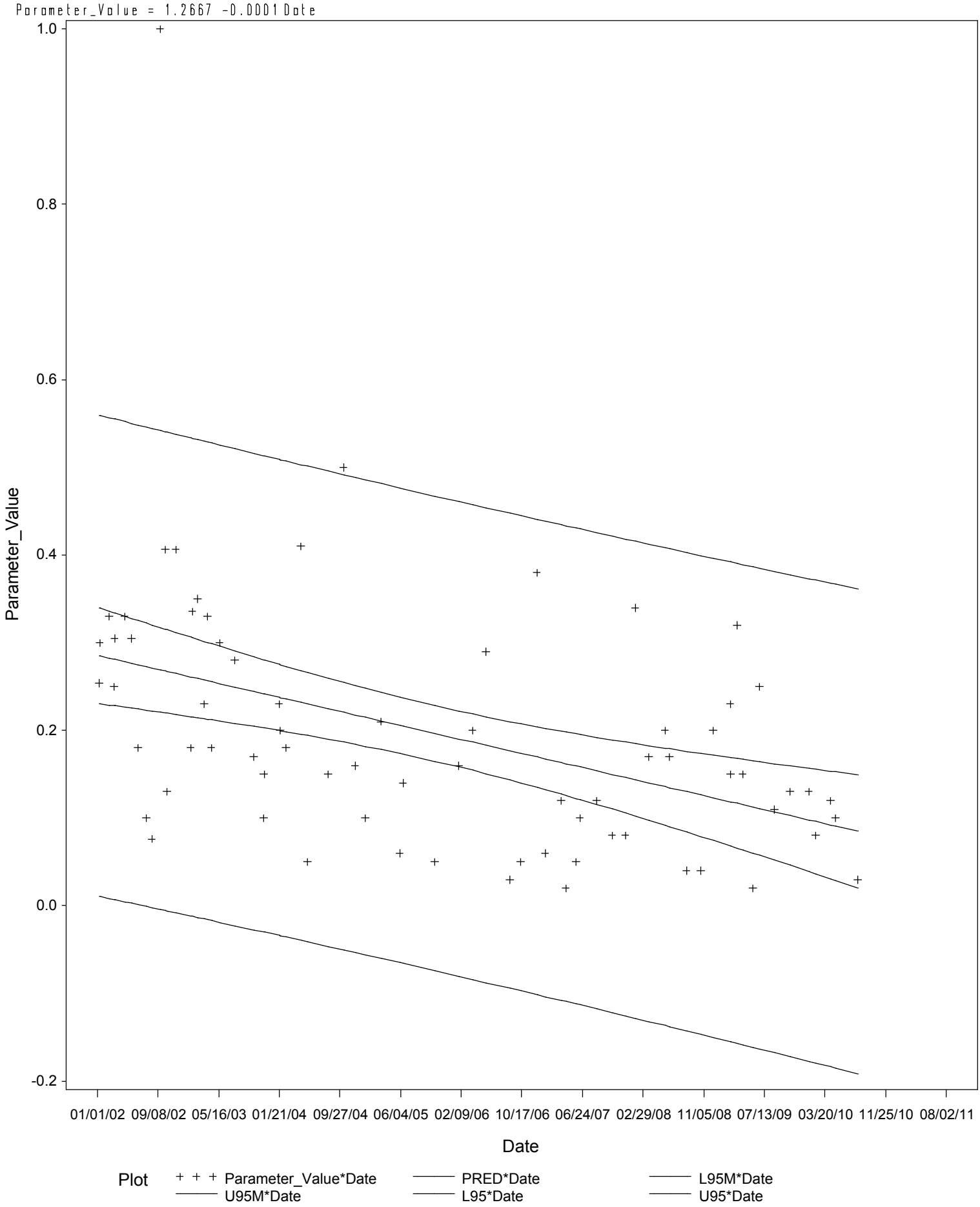
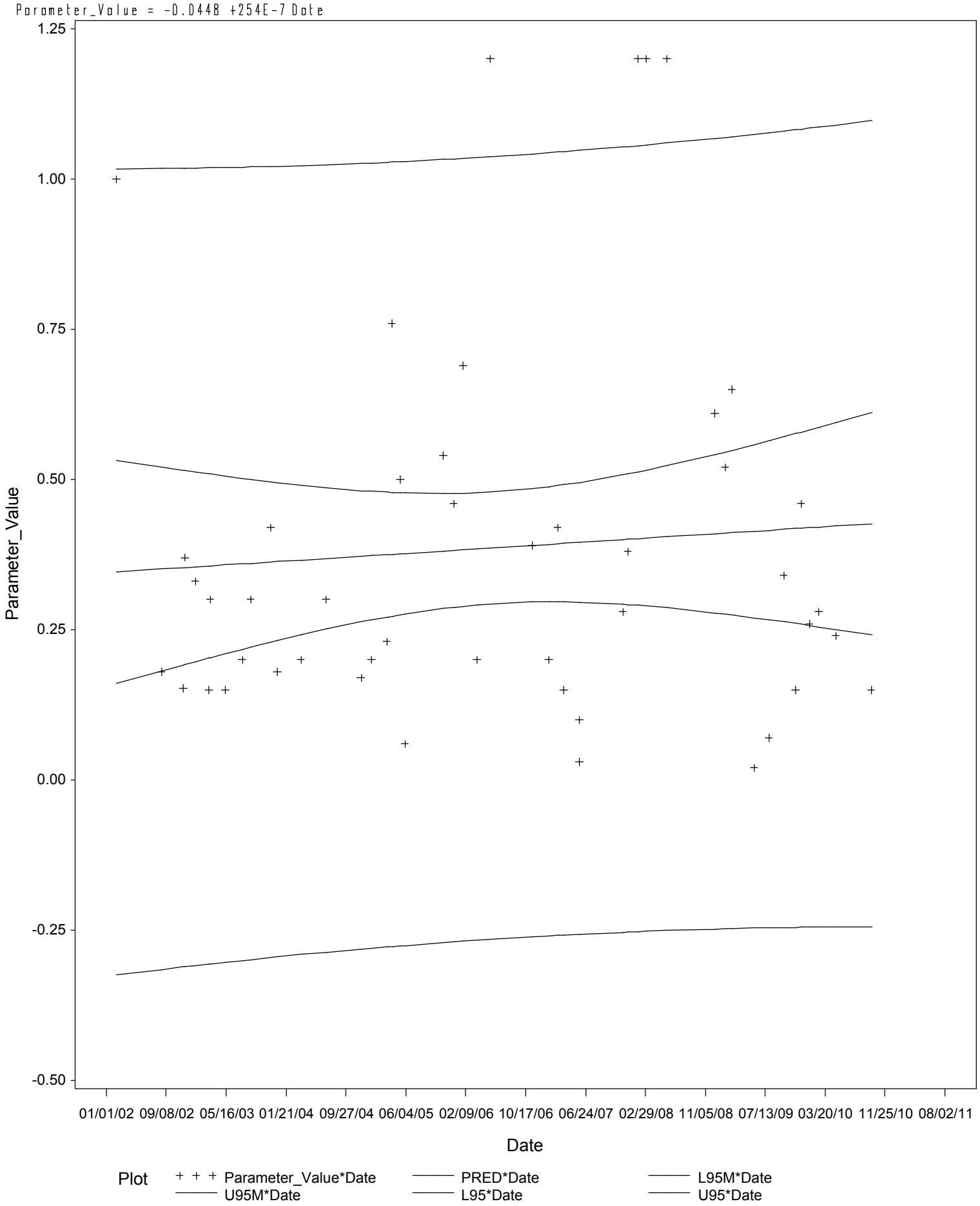


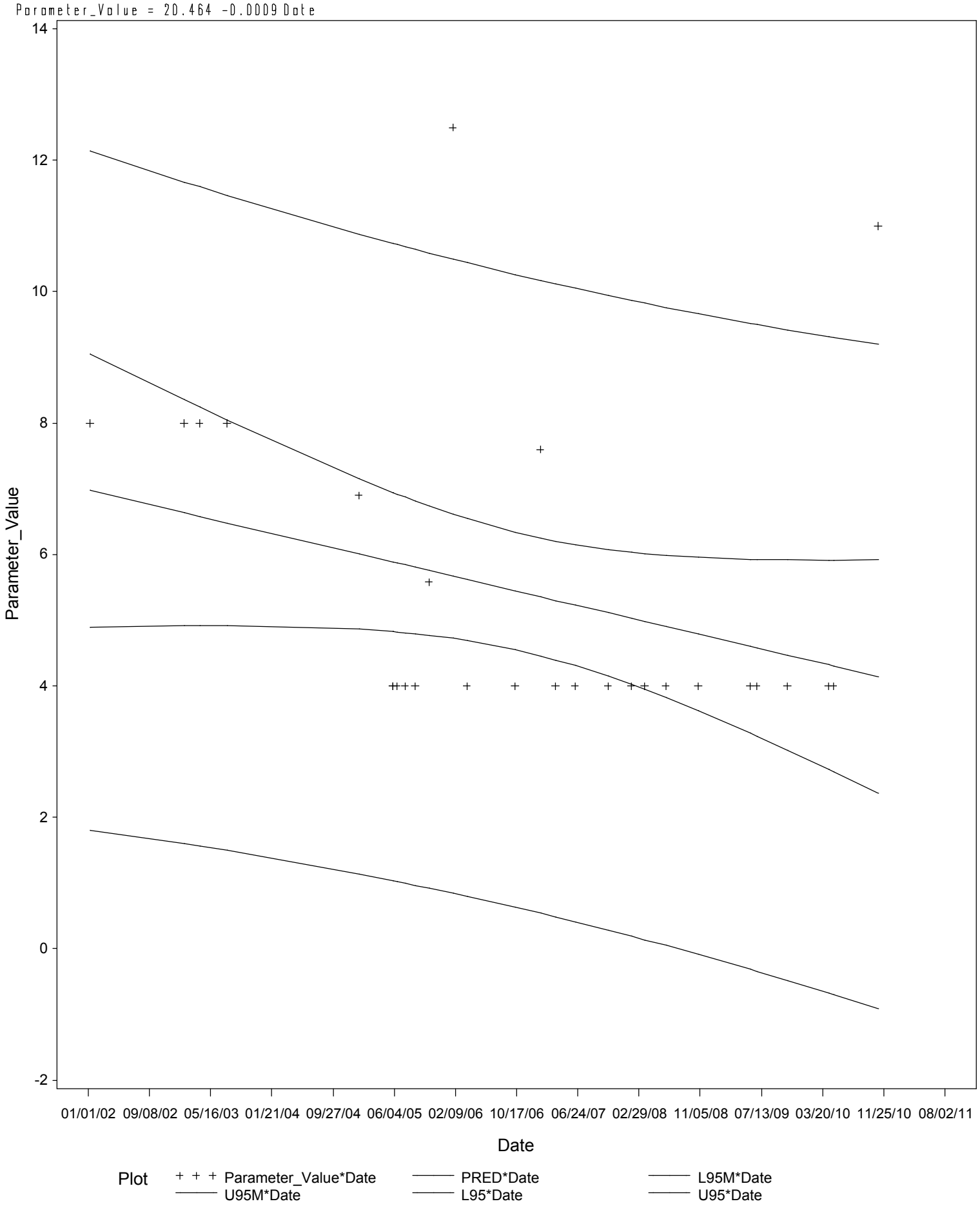
Rio Grande Below Riverside Diversion Dam

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=16272

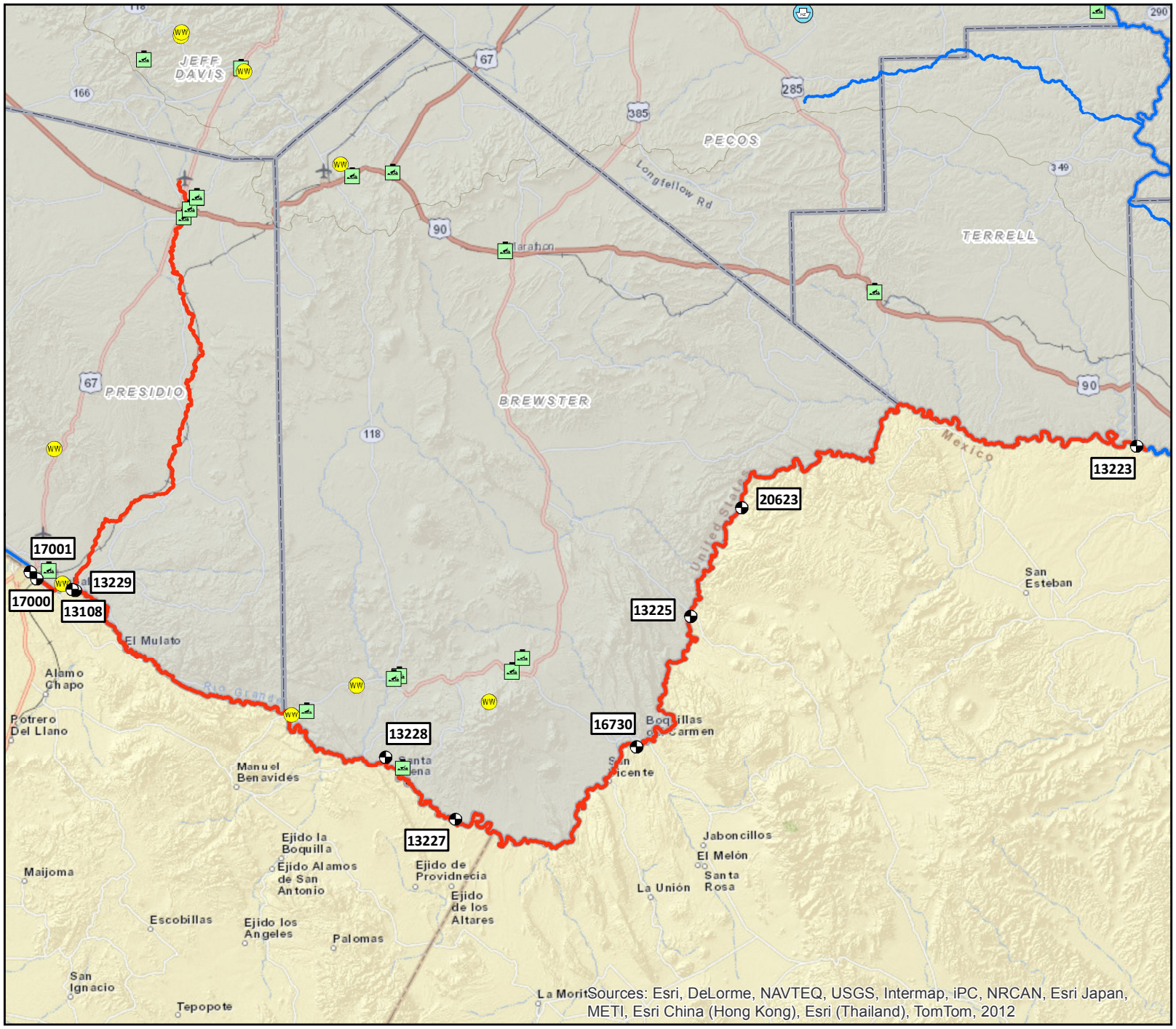


Rio Grande Below Riverside Diversion Dam

Parameter=ZINC, DISSOLVED (UG/L AS ZN) Station=15795



4. Upper Rio Grande Segment 2306



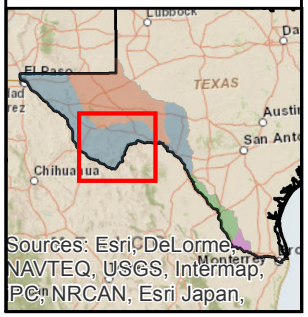
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Upper Rio Grande
Segment ID: 2306, 2306A
Name: Rio Grande Above Amistad Reservoir

LEGEND

- Monitoring Station (10)
- Wastewater Outfall (9)
- Hazardous Waste (1)
- Landfill (18)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



0 10 20 MILES

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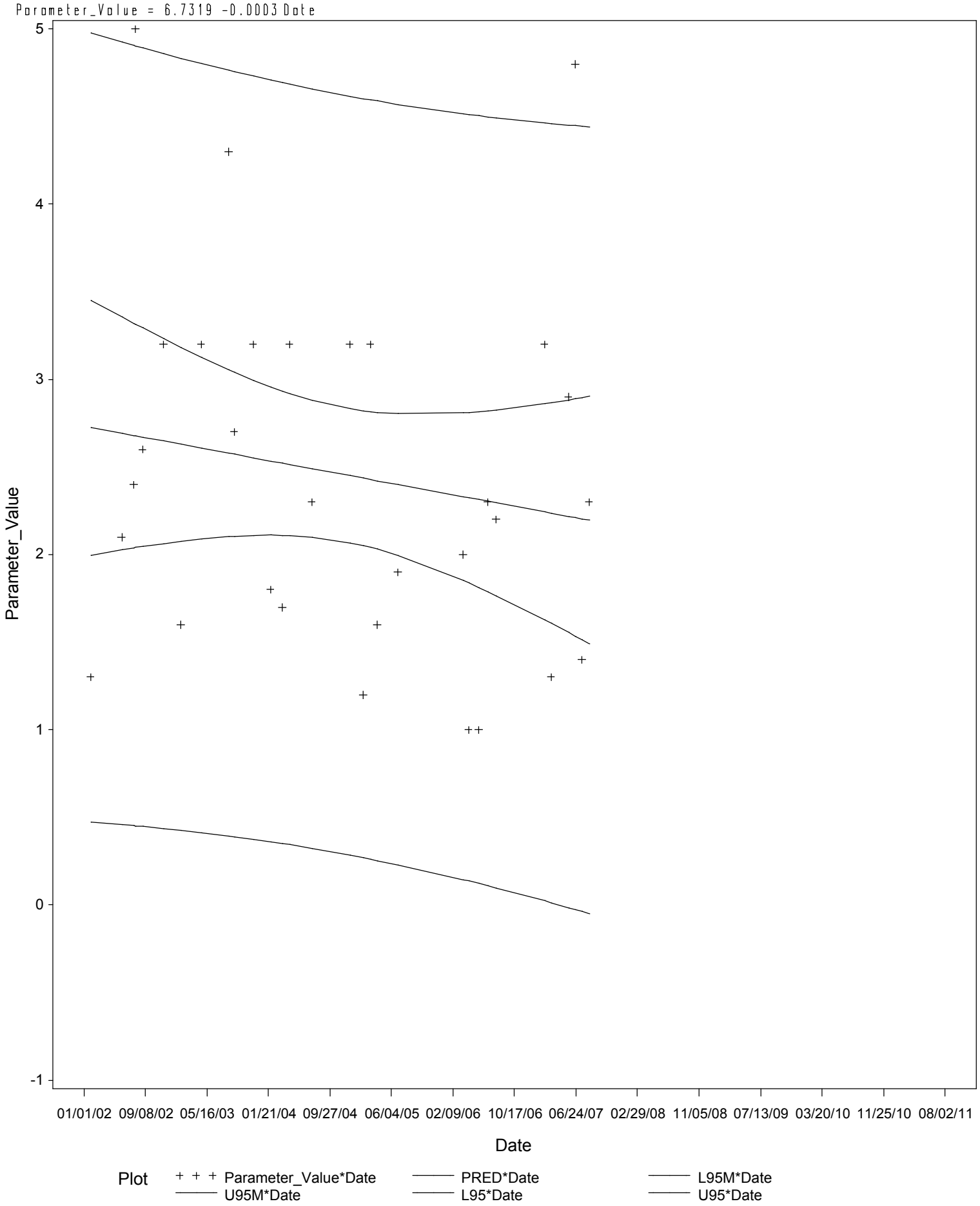
HDR ENVIRONMENTAL, OPERATIONS AND CONSTRUCTION, INC
184 CREEKSIDE PARK, SUITE 100
SPRING BRANCH, TX 78070-6230
210.253.6528

AUG 2013

Alamito Creek (unclassified water body)

Parameter=ALUMINUM, DISSOLVED (UG/L AS AL) Station=13108



Alamito Creek (unclassified water body)

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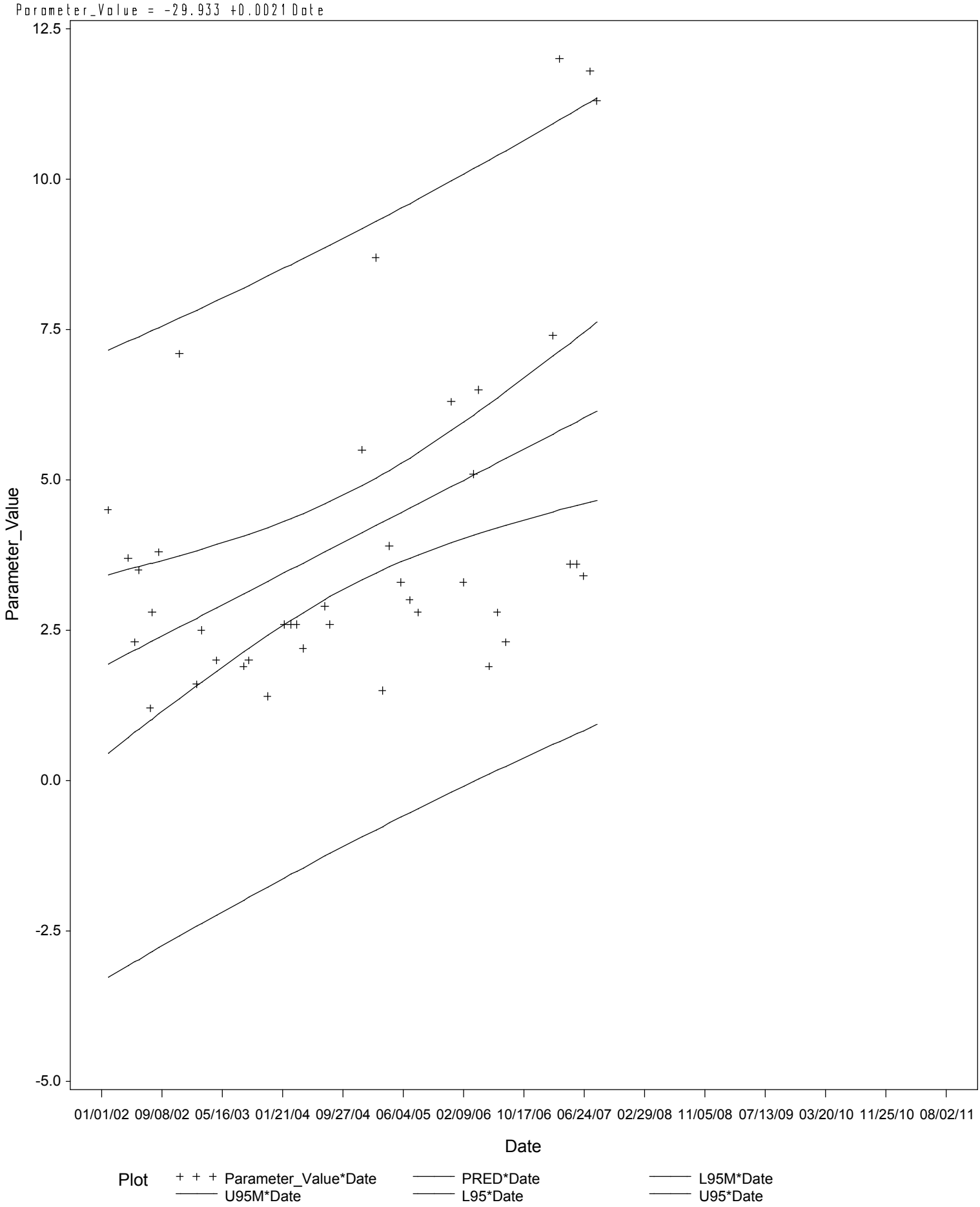
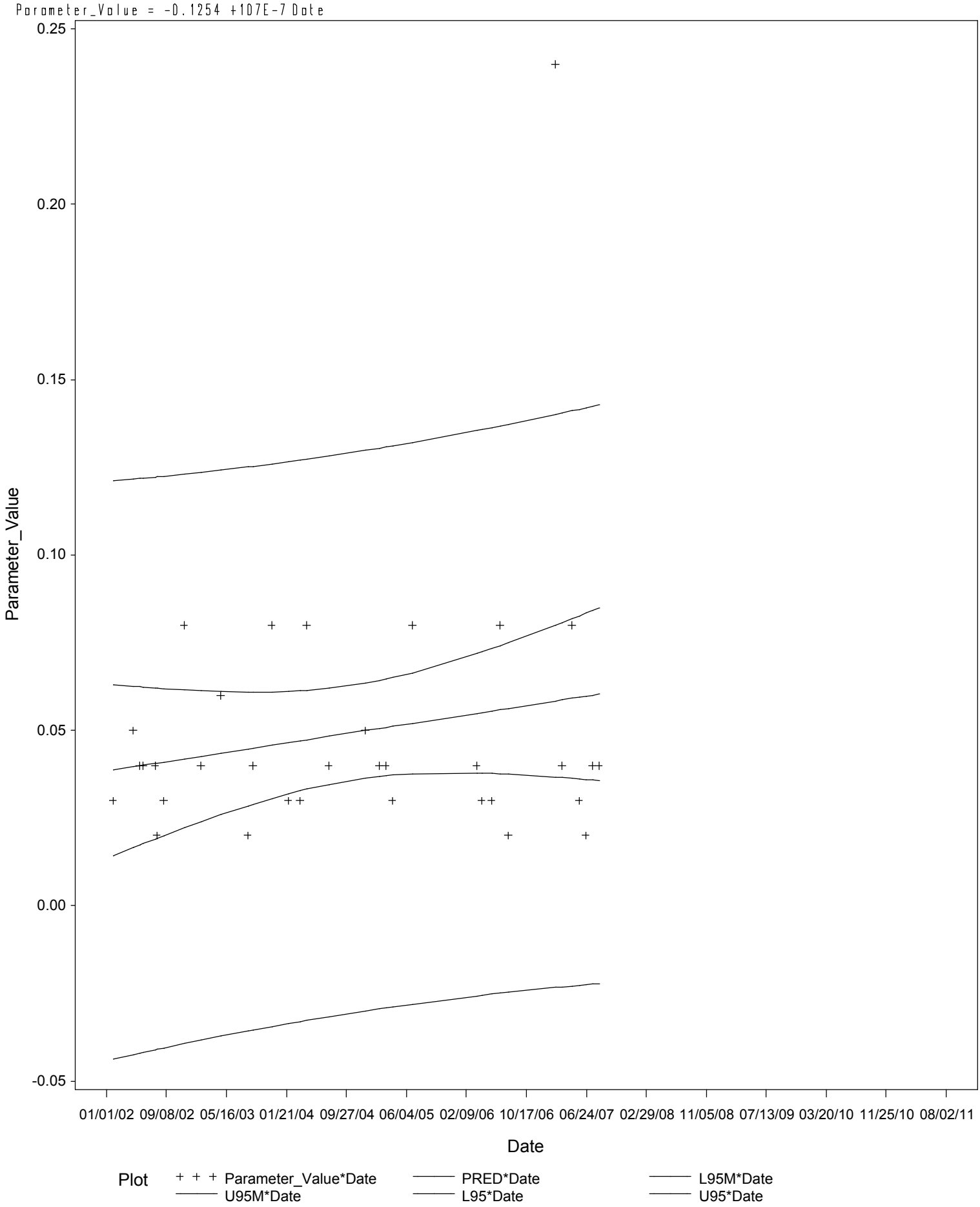


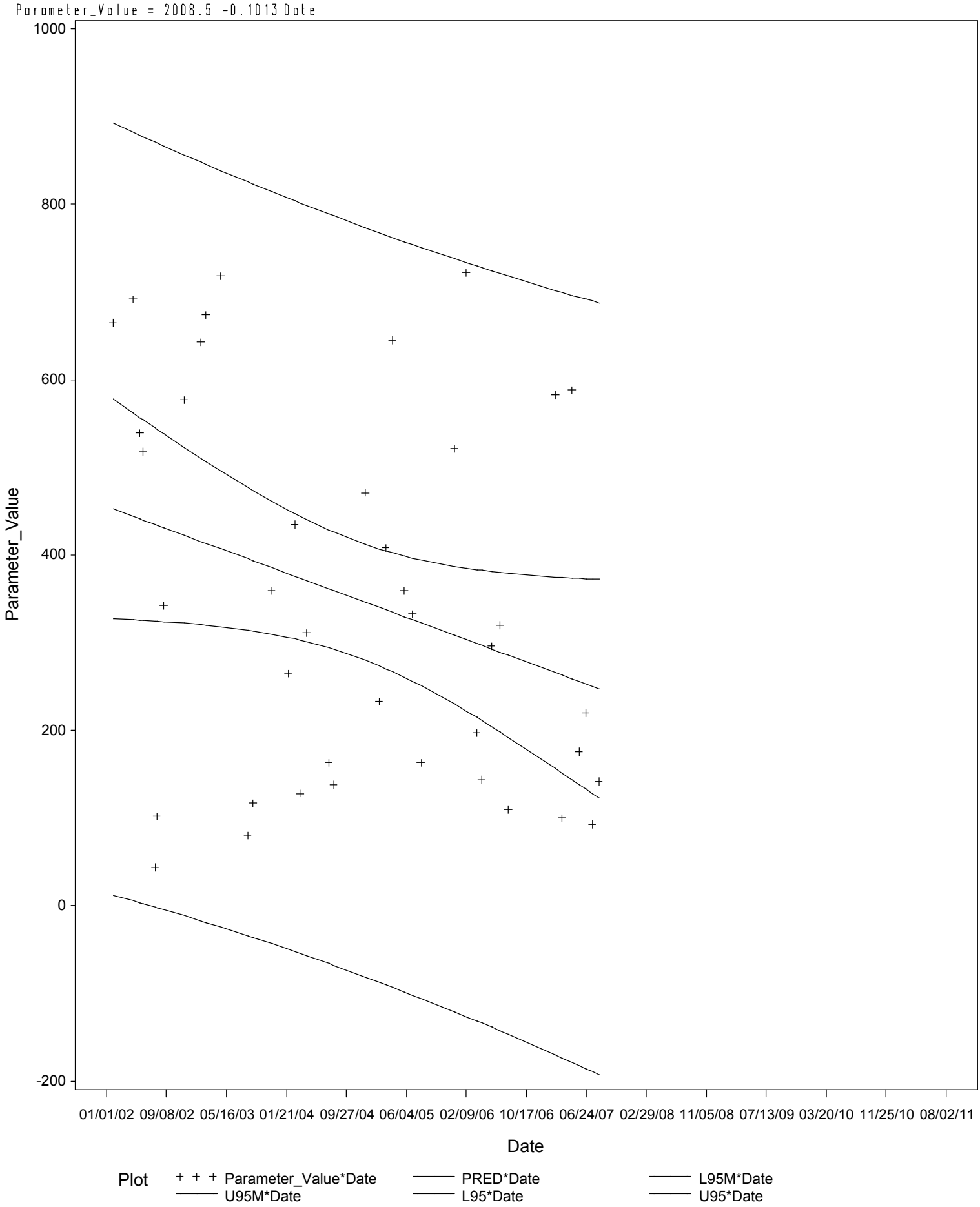
Alamito Creek (unclassified water body)

Parameter=CADMIUM, DISSOLVED (UG/L AS CD) Station=13108



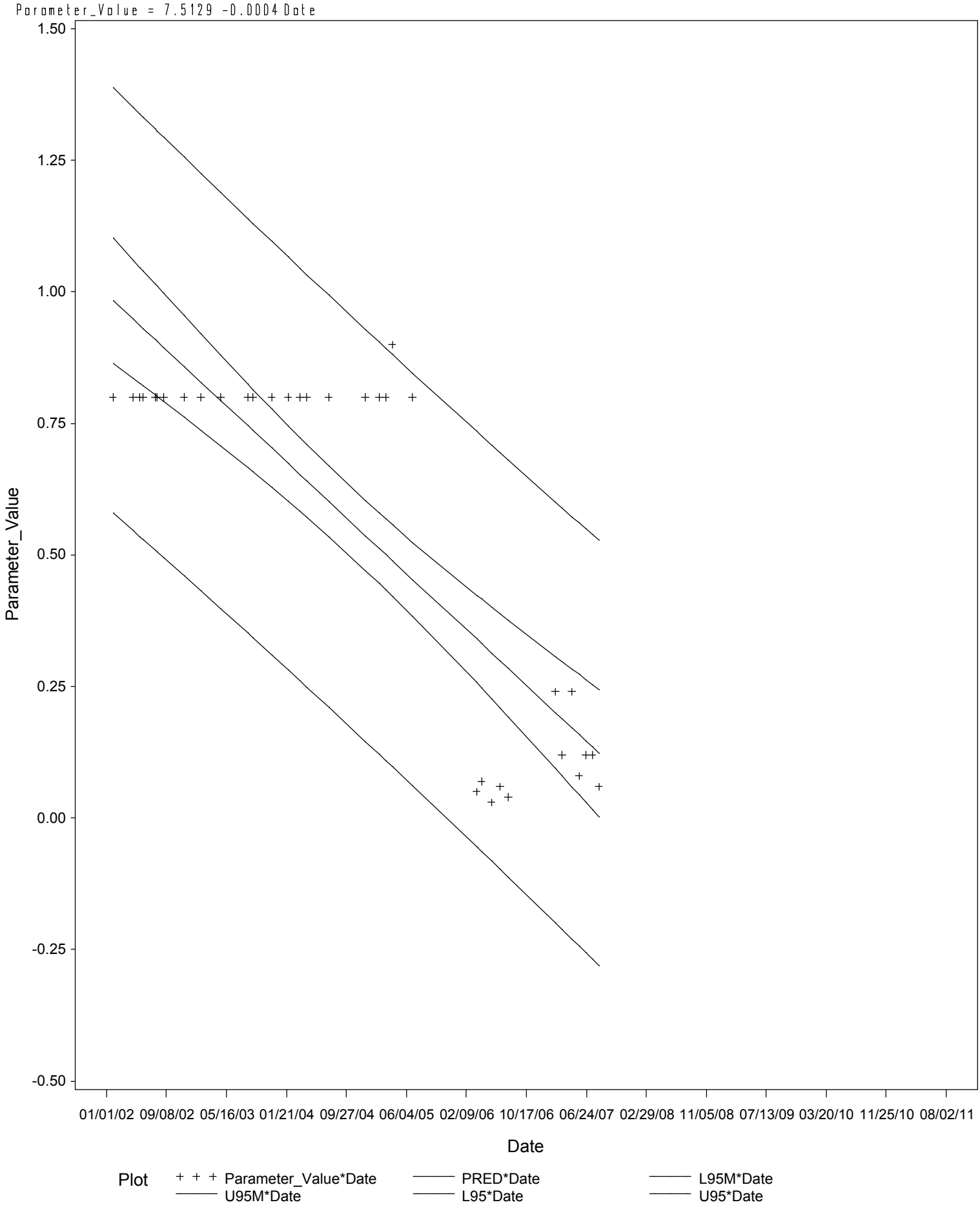
Alamito Creek (unclassified water body)

Parameter=CHLORIDE (MG/L AS CL) Station=13108



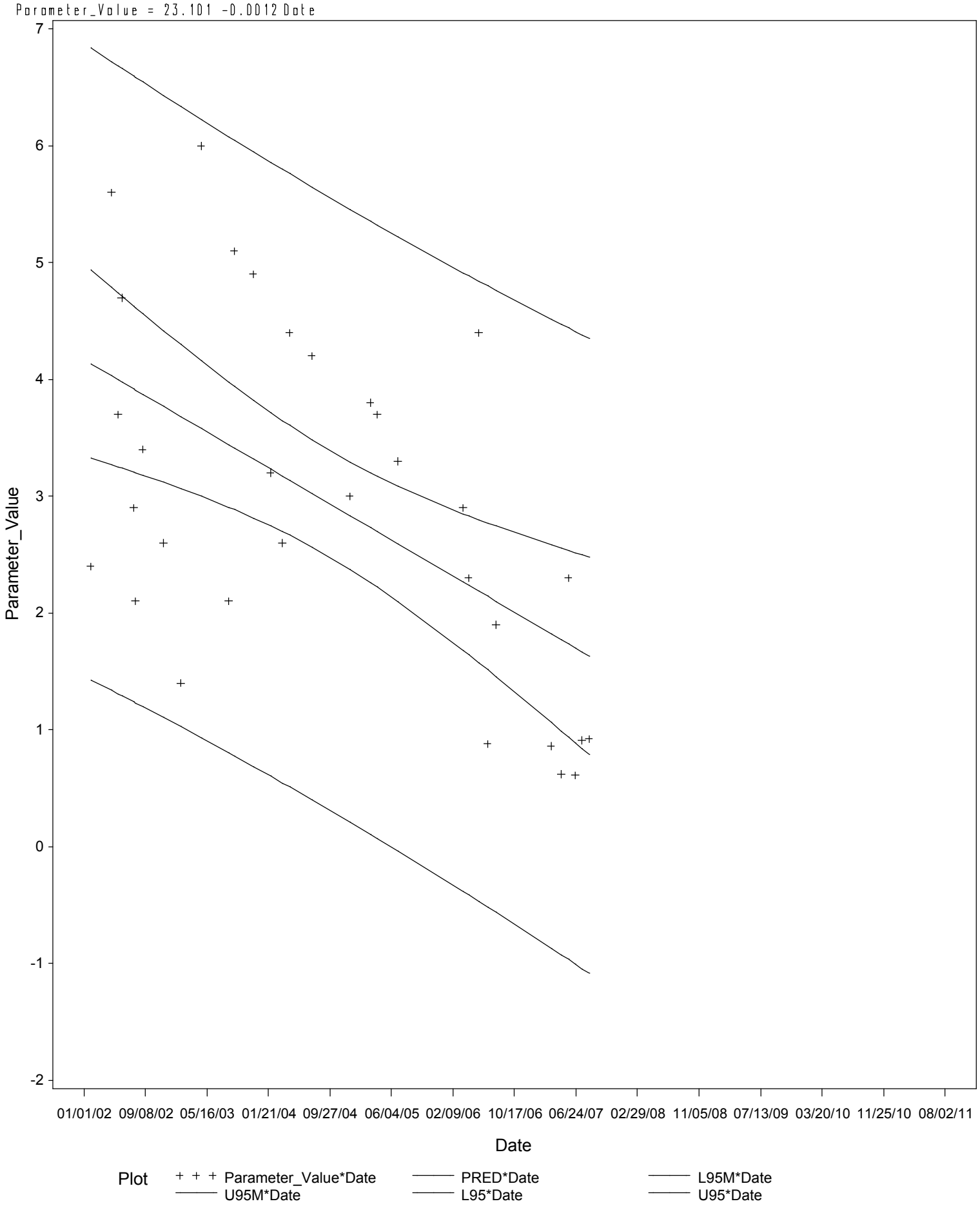
Alamito Creek (unclassified water body)

Parameter=CHROMIUM, DISSOLVED (UG/L AS CR) Station=13108



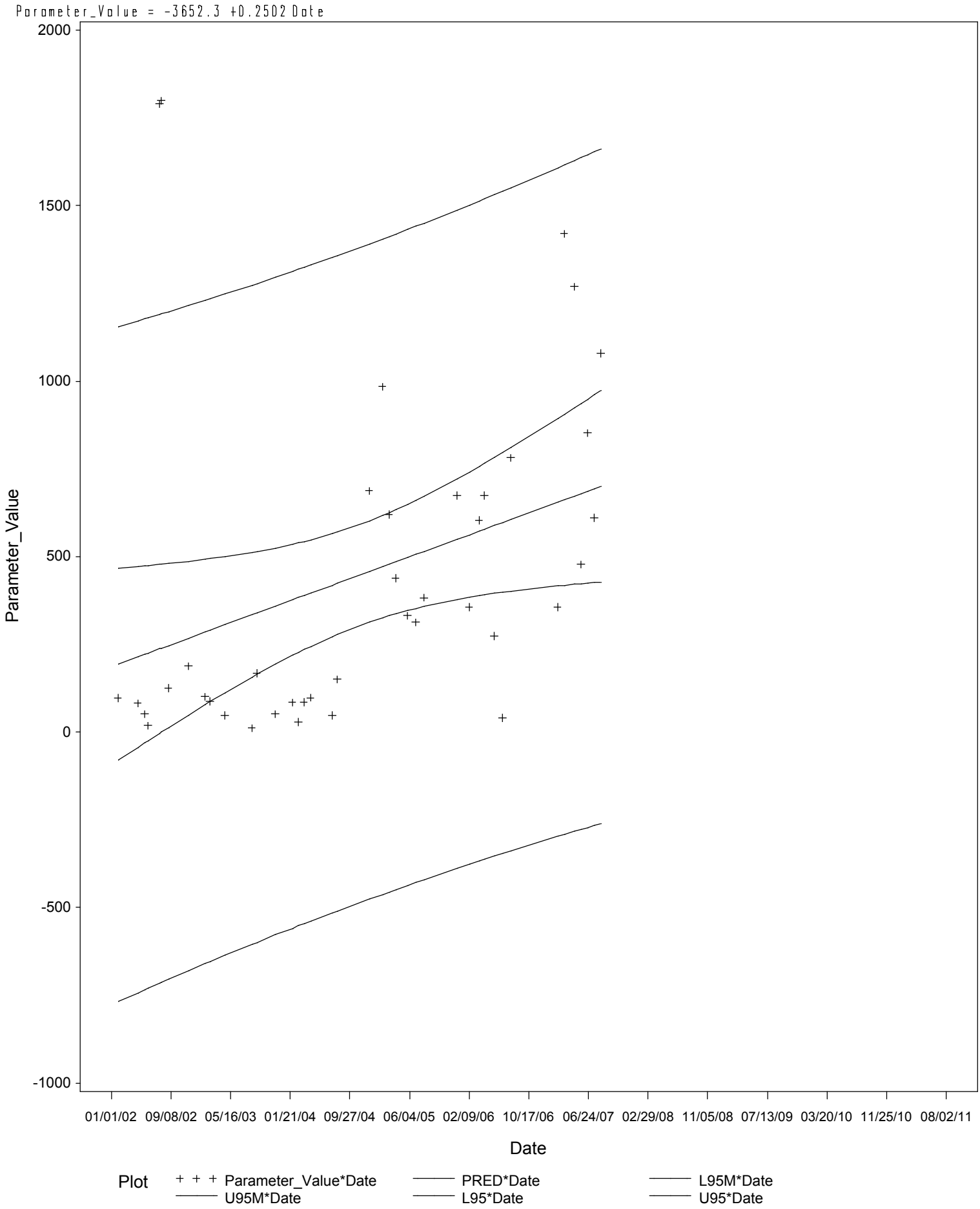
Alamito Creek (unclassified water body)

Parameter=COPPER, DISSOLVED (UG/L AS CU) Station=13108



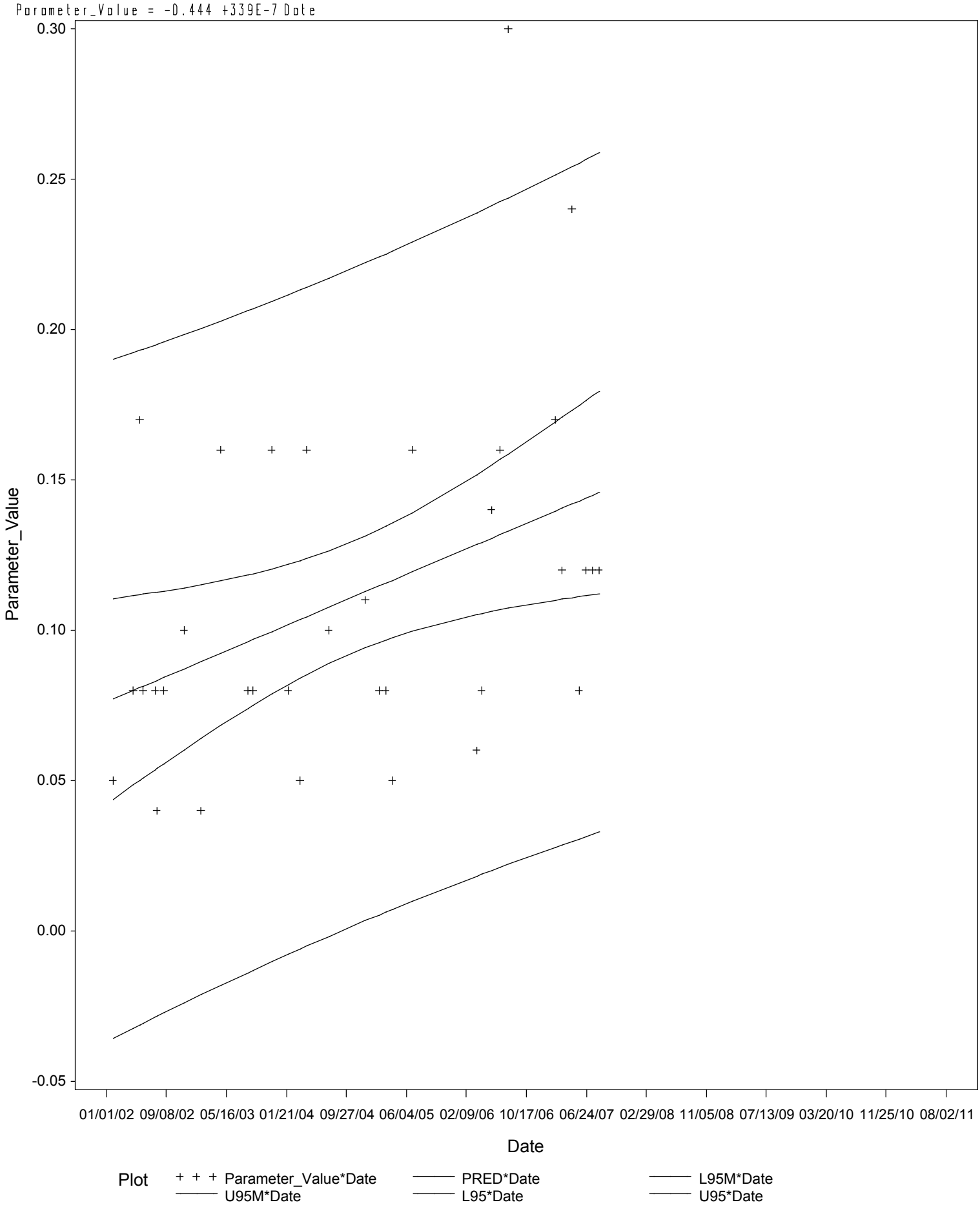
Alamito Creek (unclassified water body)

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13108



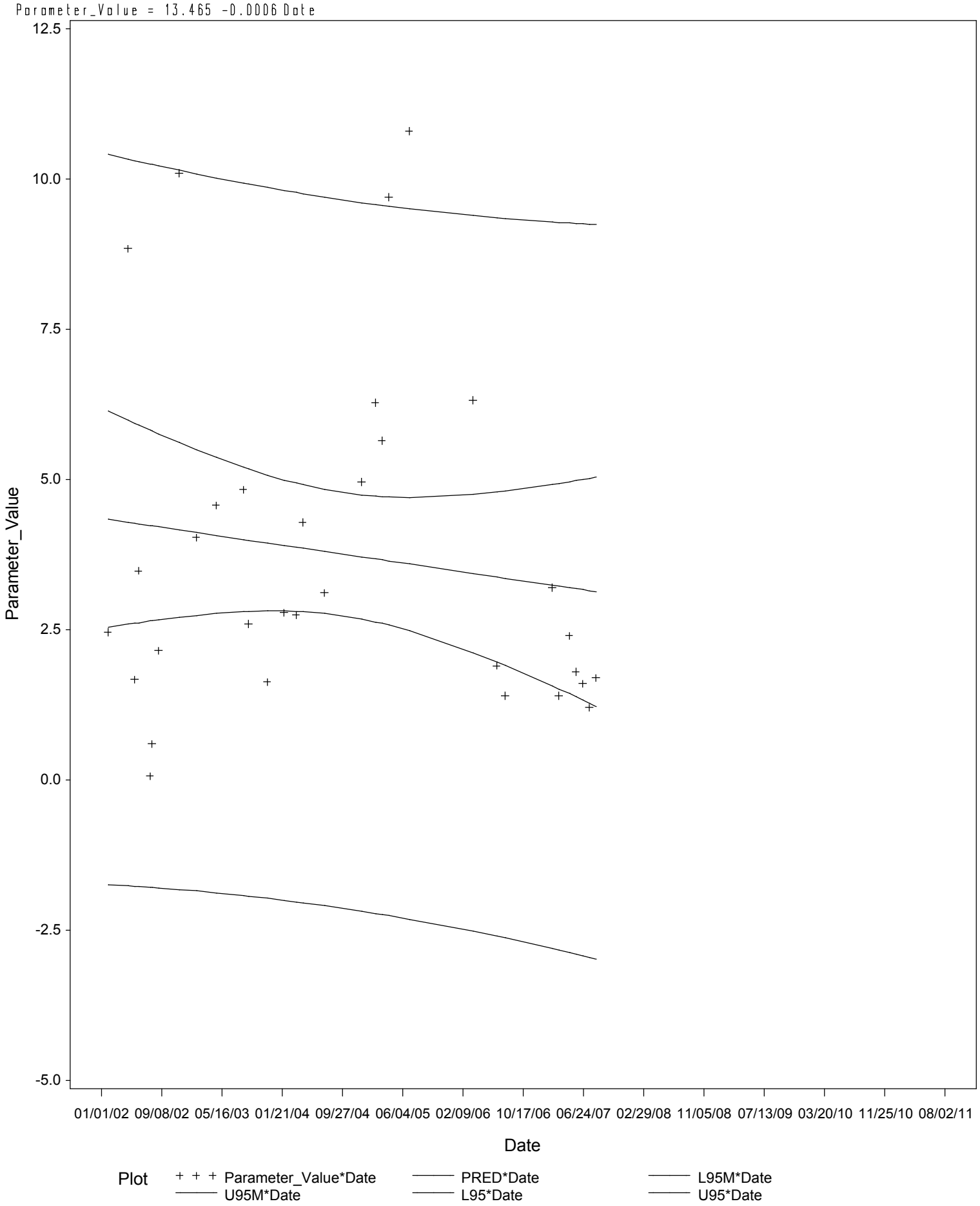
Alamito Creek (unclassified water body)

Parameter=LEAD, DISSOLVED (UG/L AS PB) Station=13108



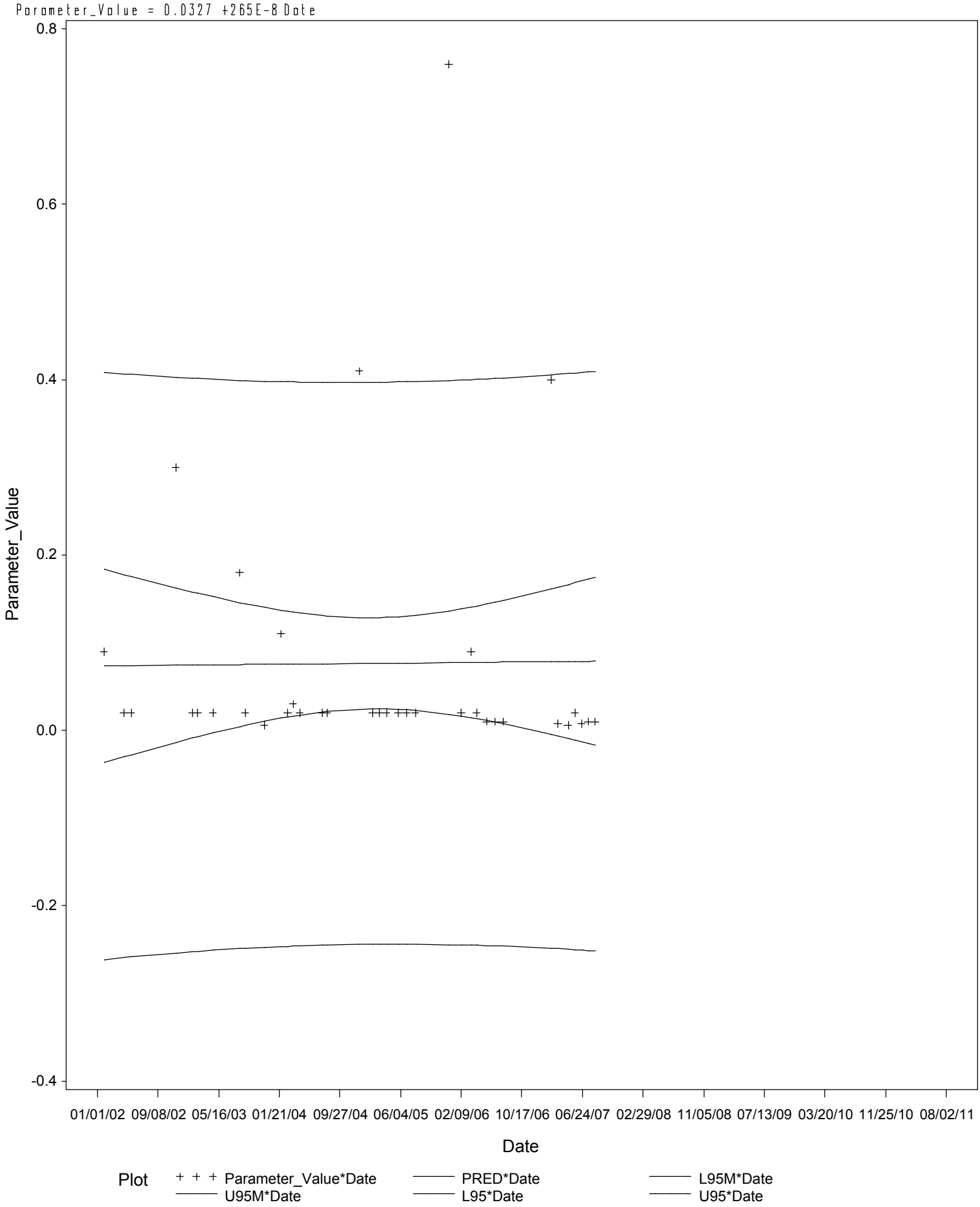
Alamito Creek (unclassified water body)

Parameter=NICKEL, DISSOLVED (UG/L AS NI) Station=13108



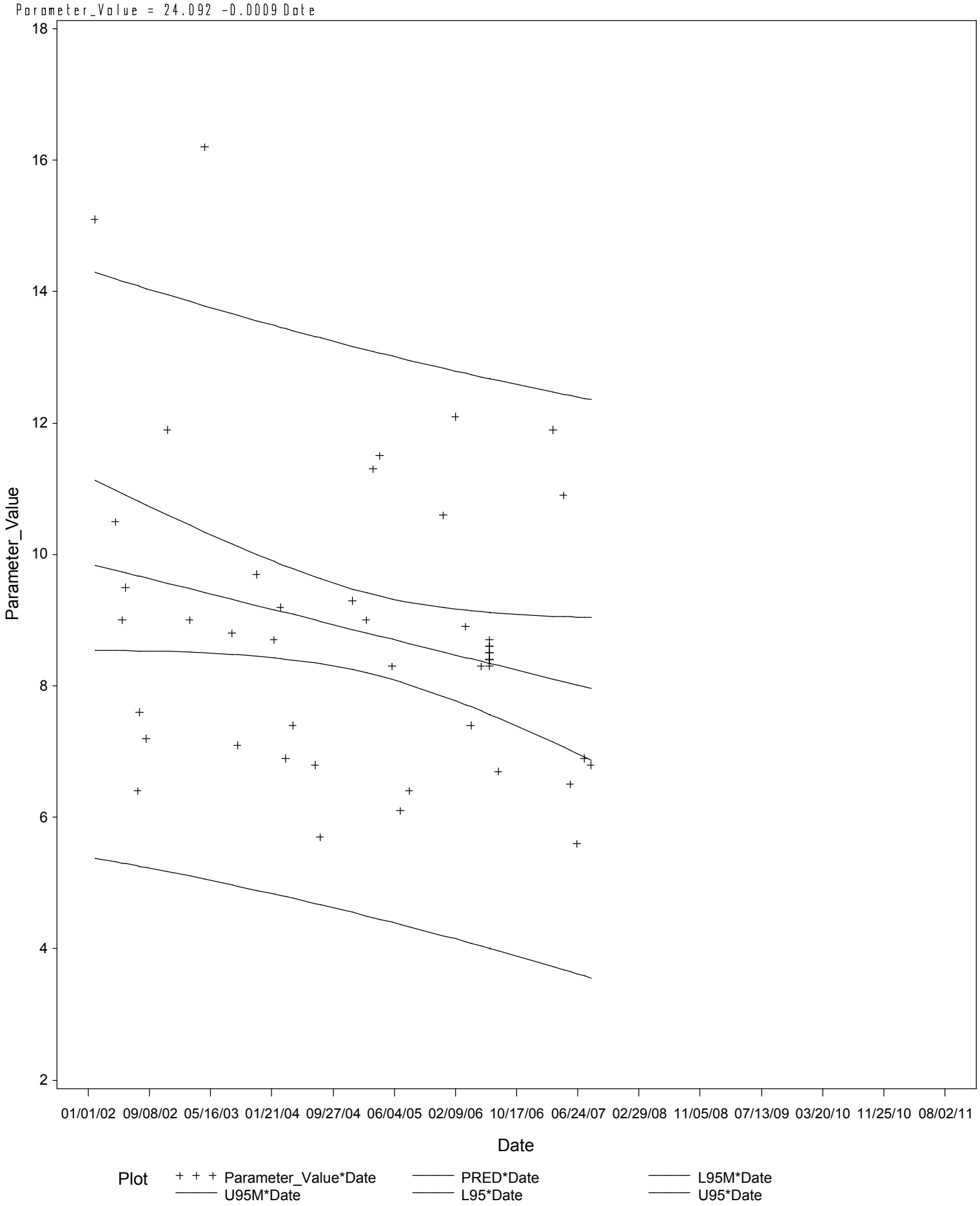
Alamito Creek (unclassified water body)

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13108



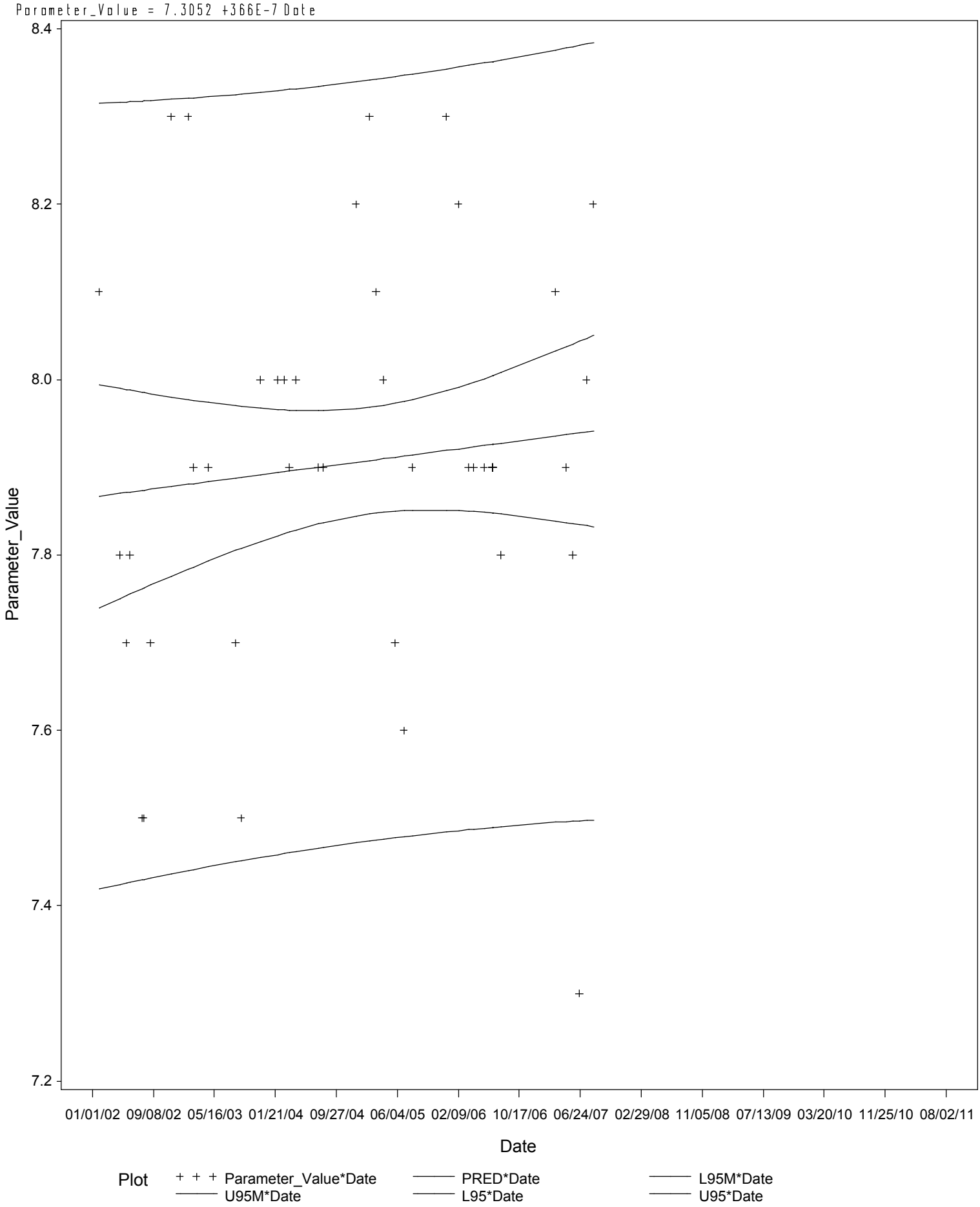
Alamito Creek (unclassified water body)

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13108



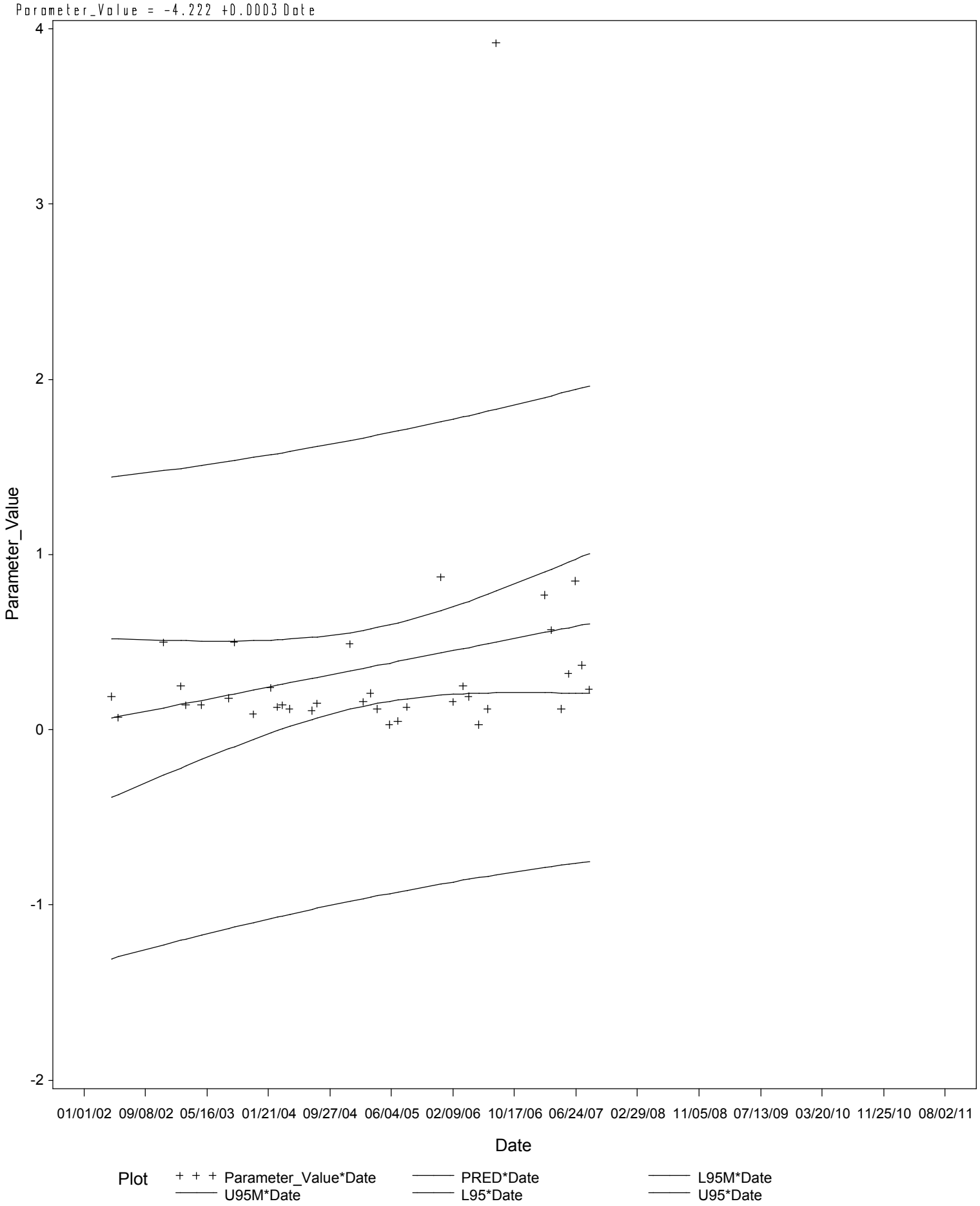
Alamito Creek (unclassified water body)

Parameter=PH (STANDARD UNITS) Station=13108



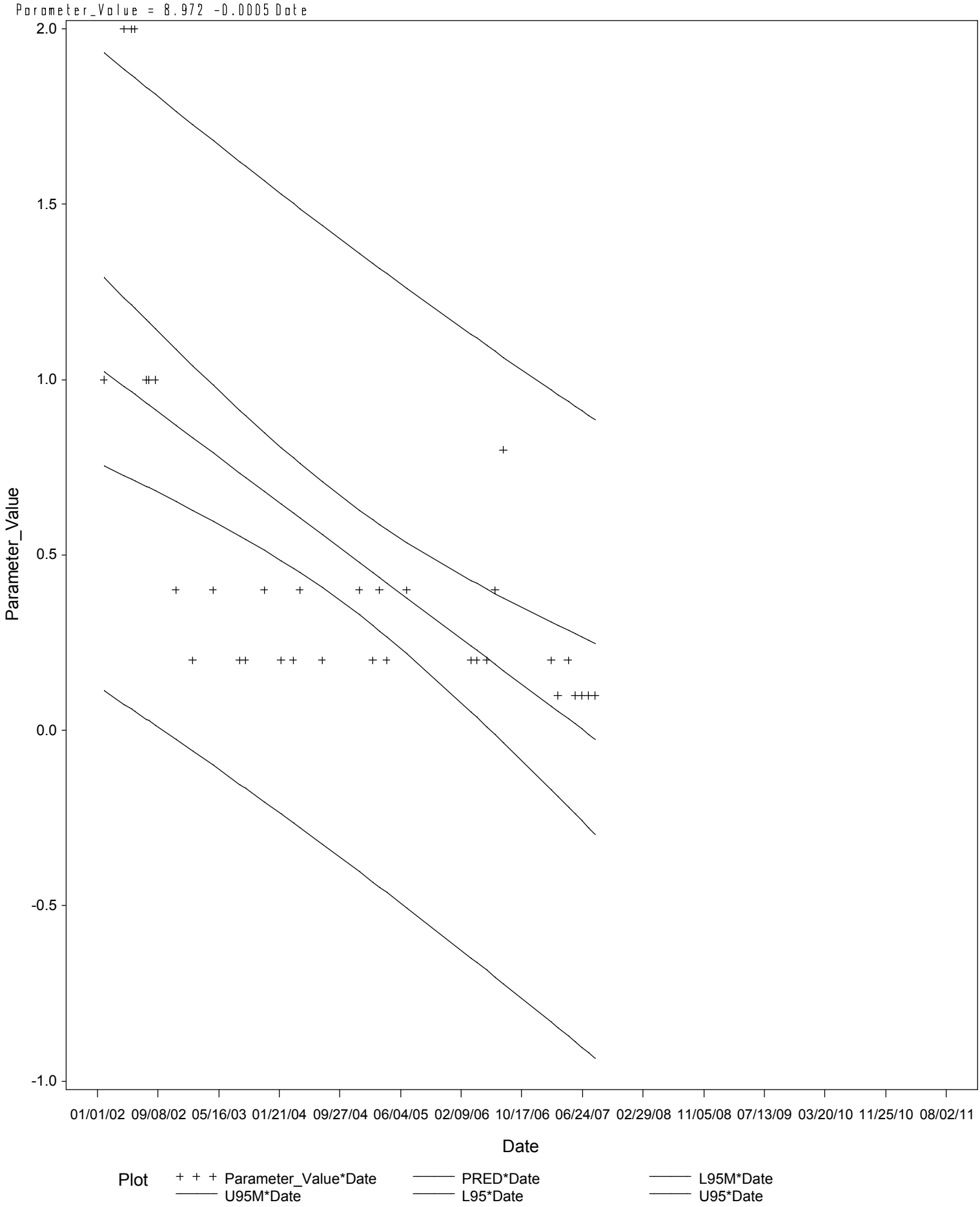
Alamito Creek (unclassified water body)

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13108



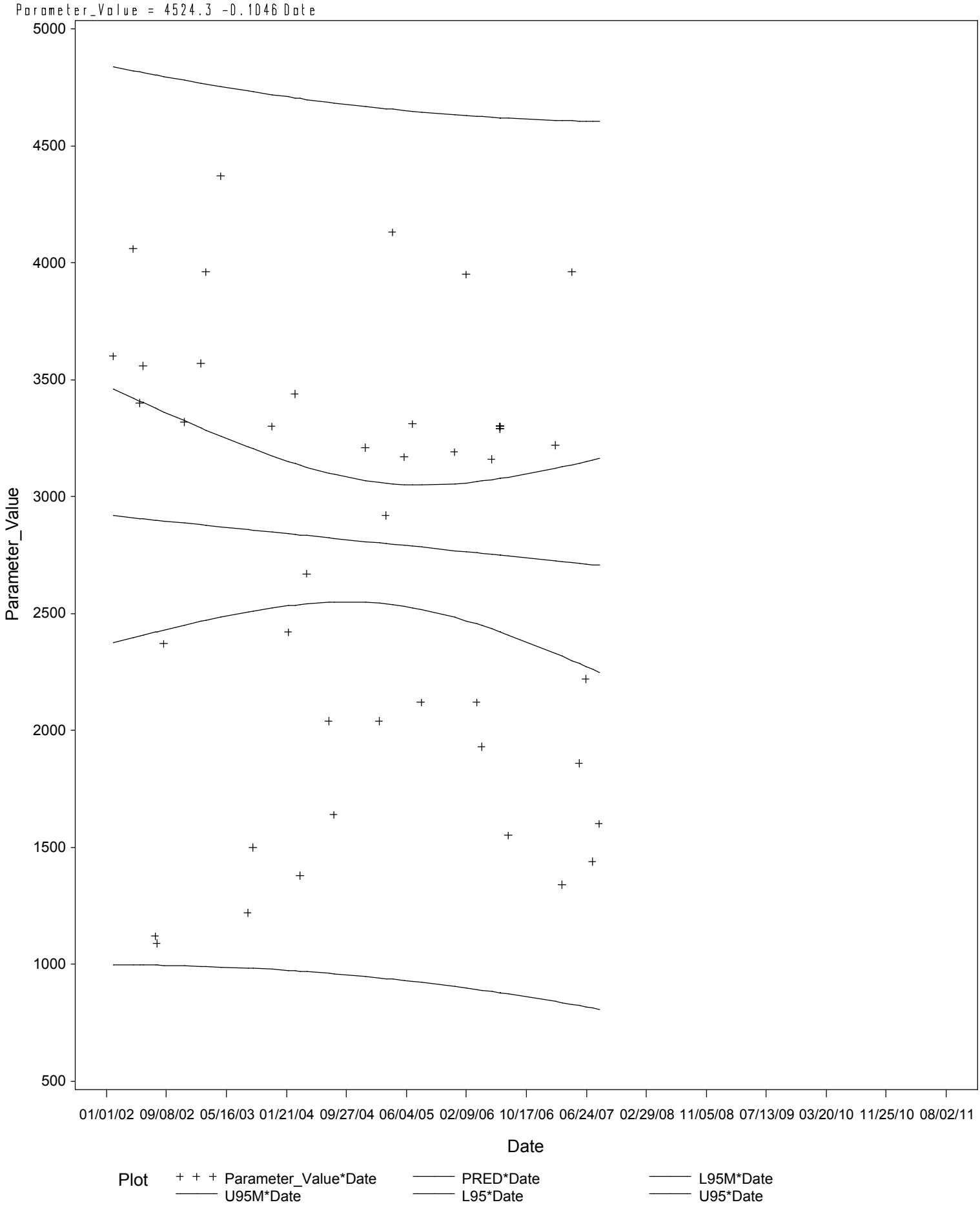
Alamito Creek (unclassified water body)

Parameter=SILVER, DISSOLVED (UG/L AS AG) Station=13108



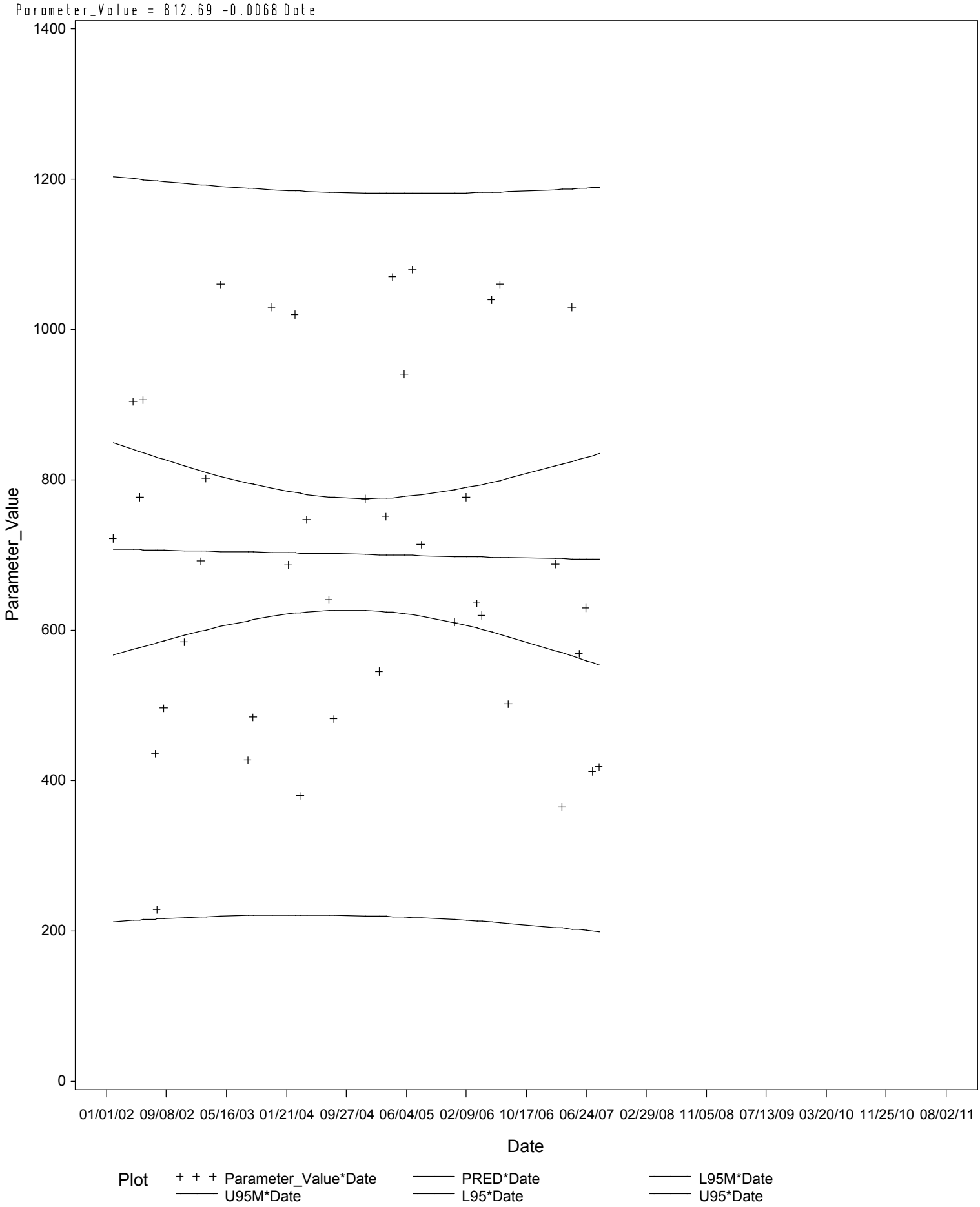
Alamito Creek (unclassified water body)

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13108

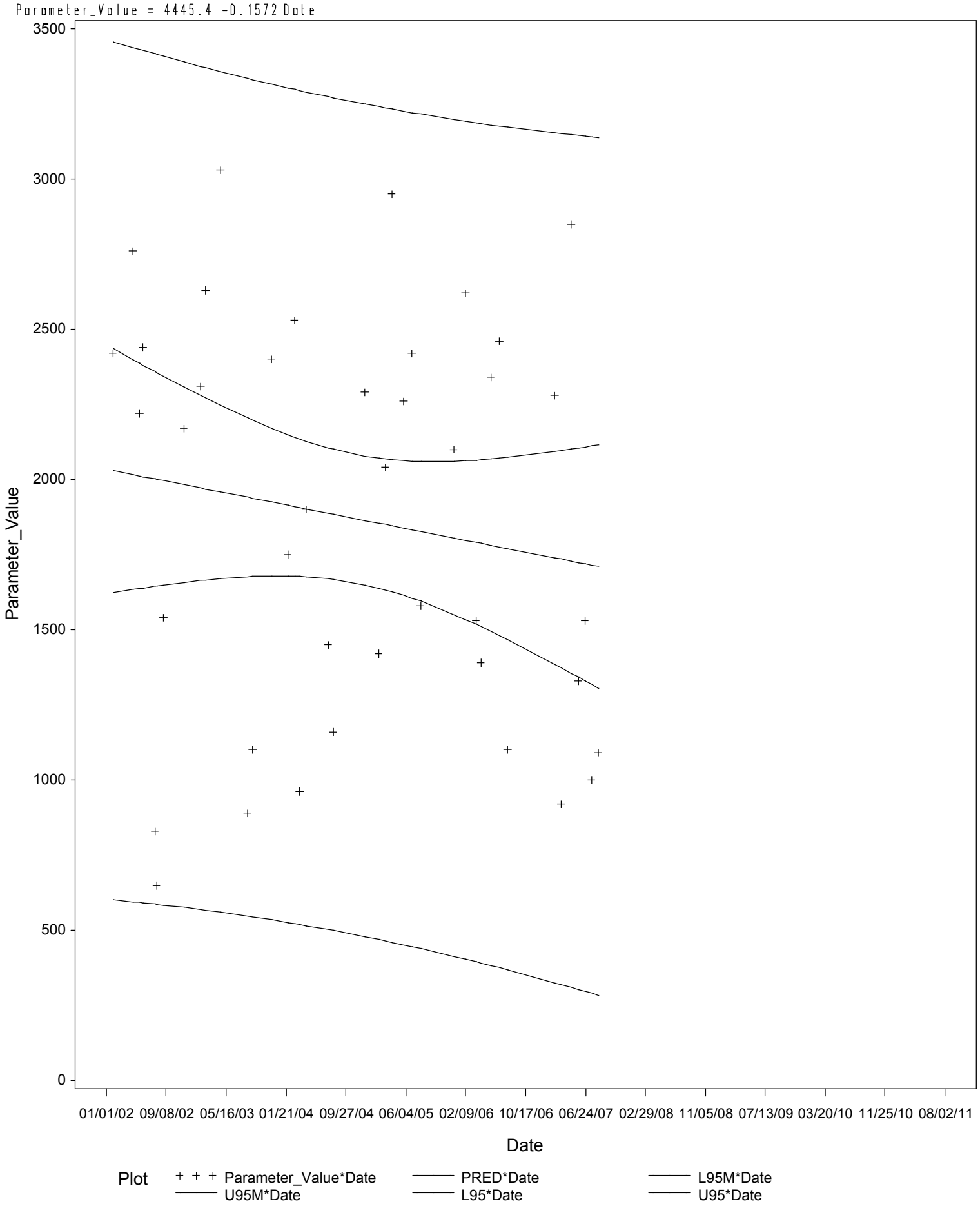


Alamito Creek (unclassified water body)

Parameter=SULFATE (MG/L AS SO4) Station=13108

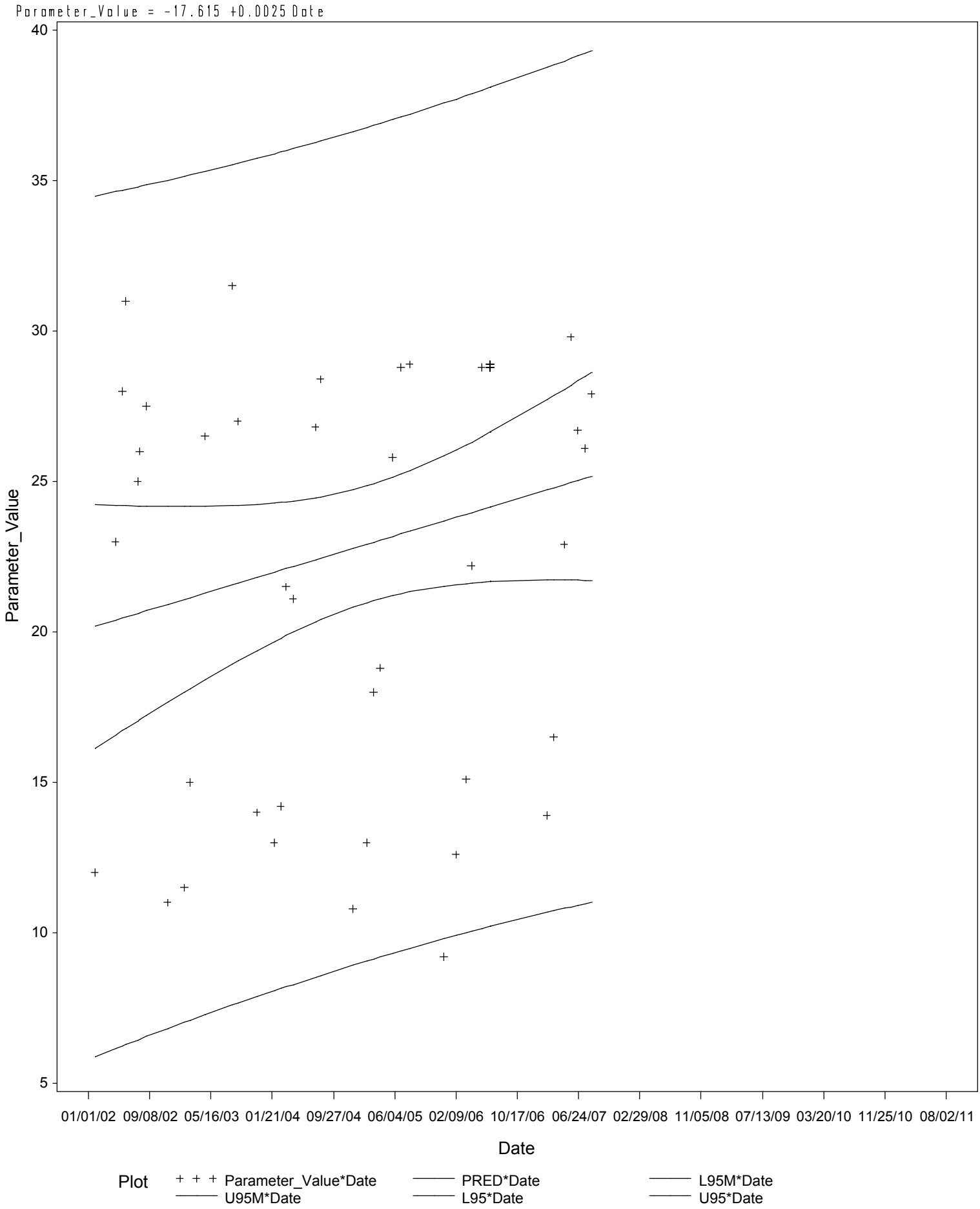


Alamito Creek (unclassified water body)
Parameter=TDS (MG/L) Station=13108



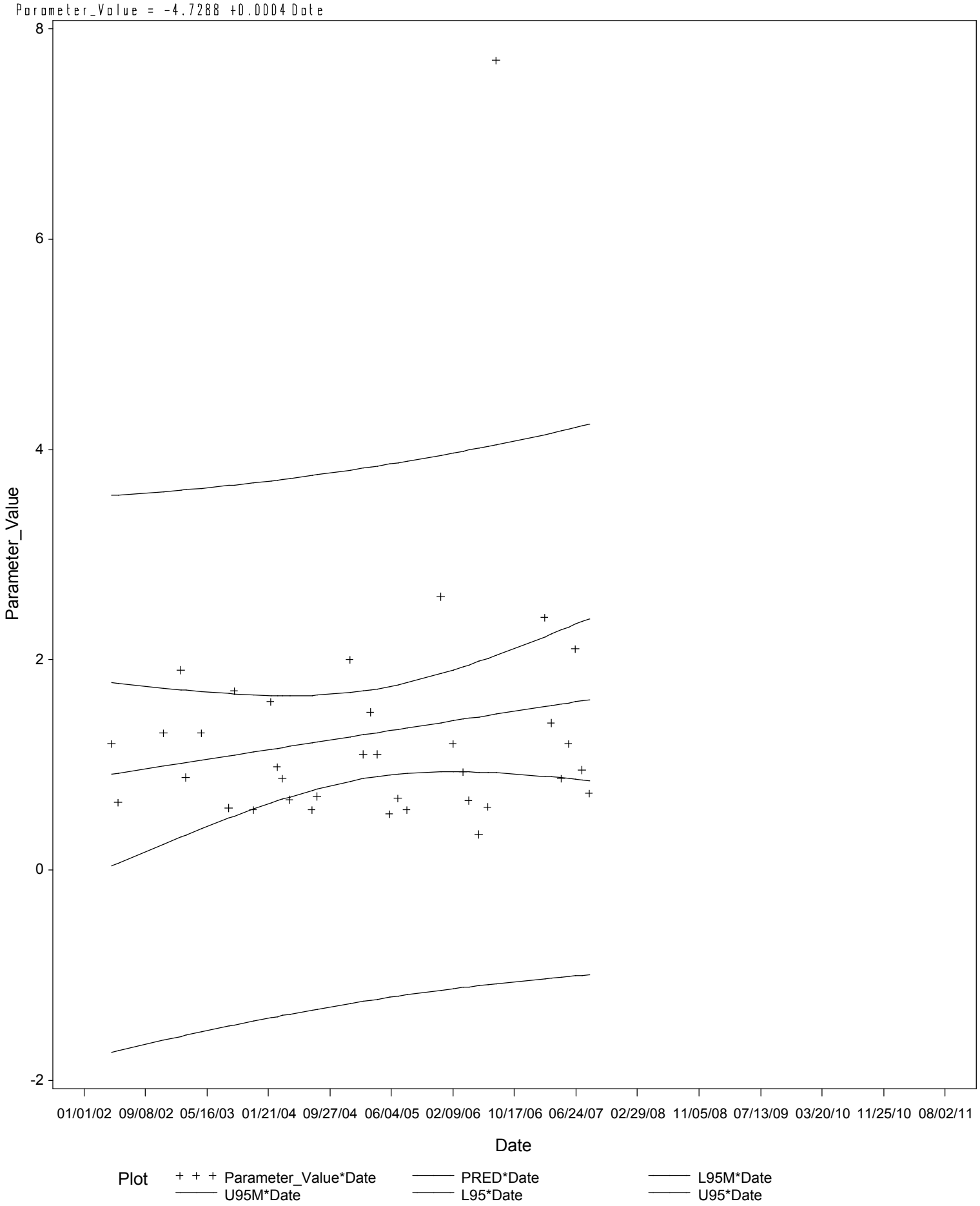
Alamito Creek (unclassified water body)

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13108



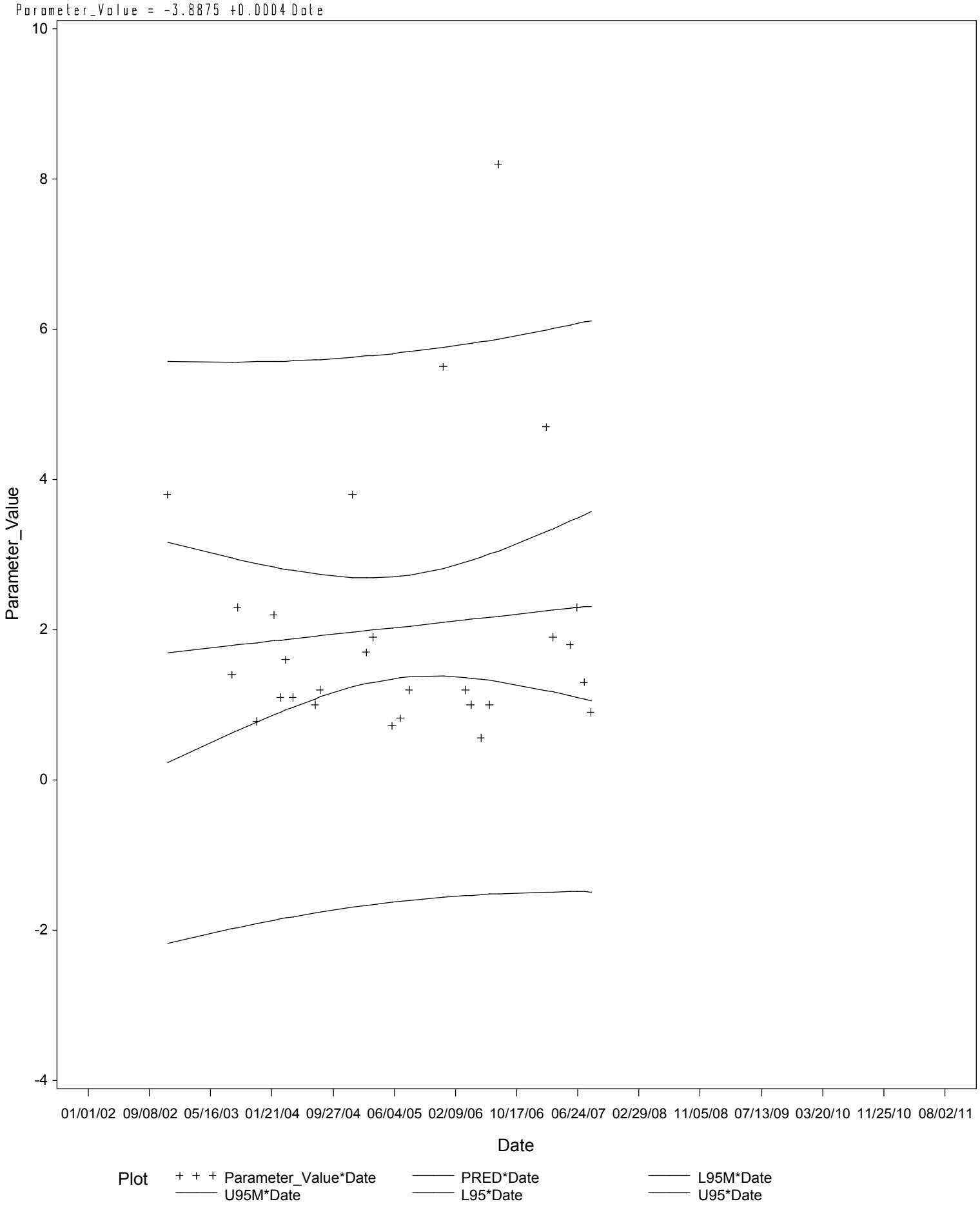
Alamito Creek (unclassified water body)

Parameter=TKN (MG/L AS N) Station=13108



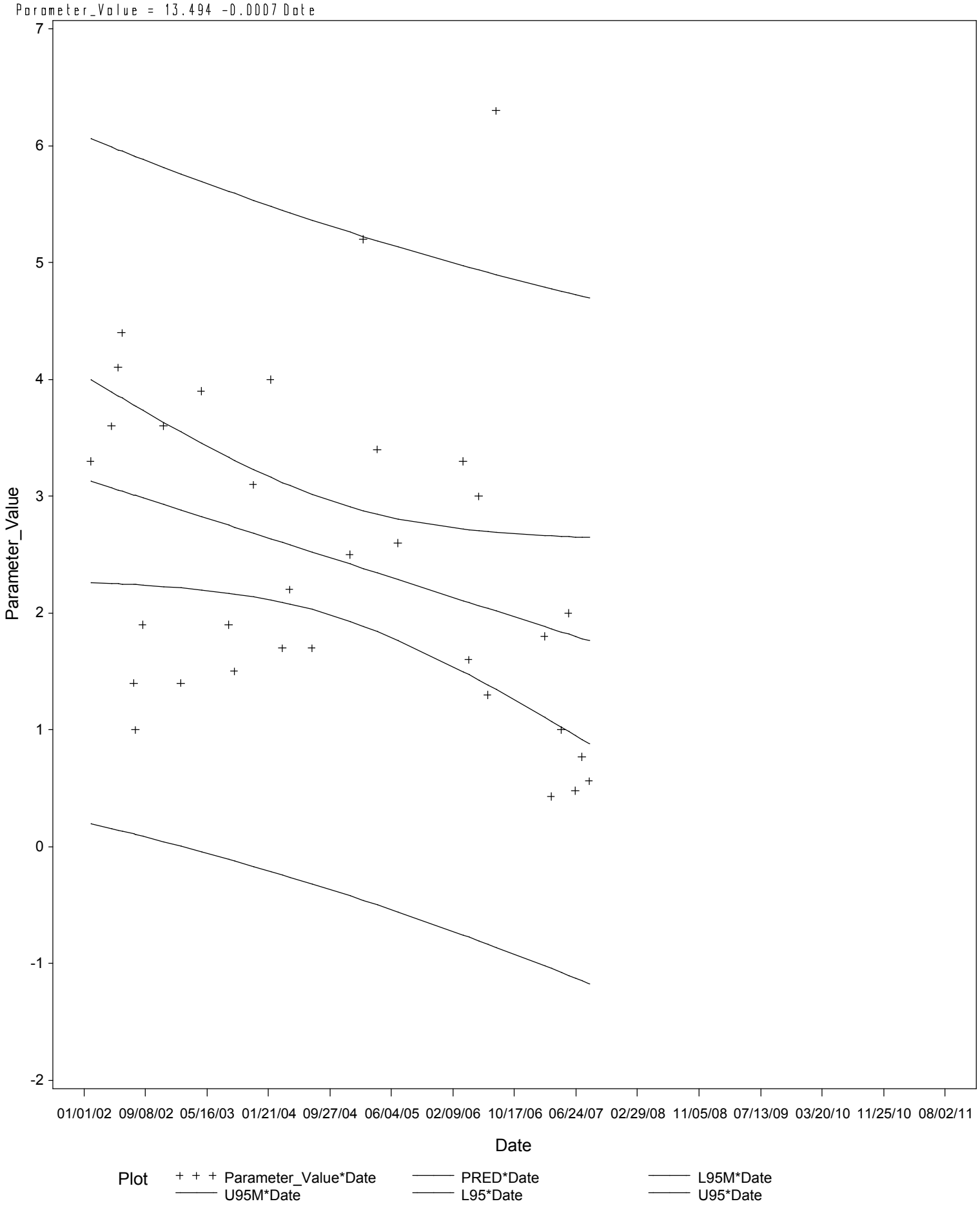
Alamito Creek (unclassified water body)

Parameter=TOTAL NITROGEN (MG/L AS N) Station=13108



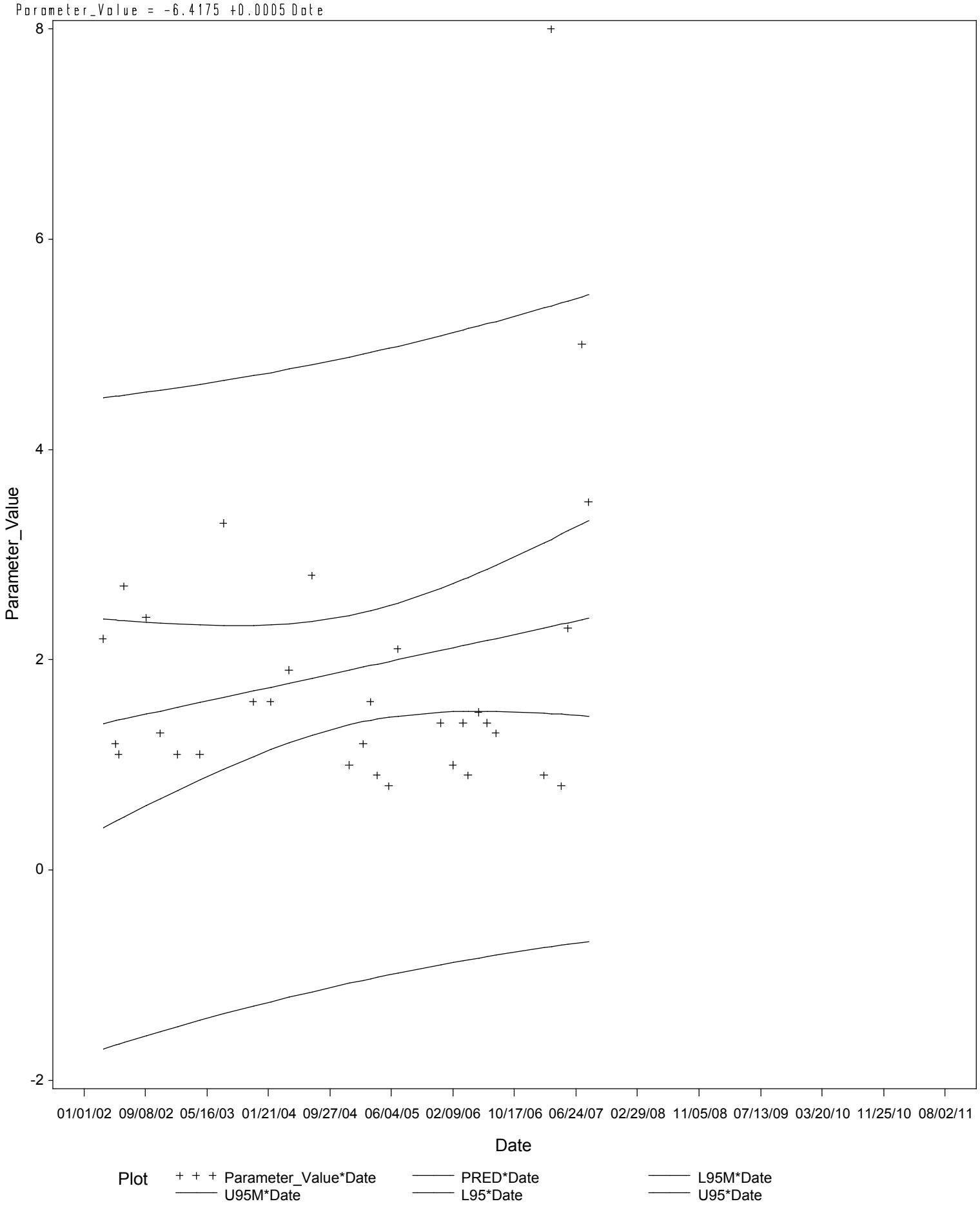
Alamito Creek (unclassified water body)

Parameter=ZINC, DISSOLVED (UG/L AS ZN) Station=13108



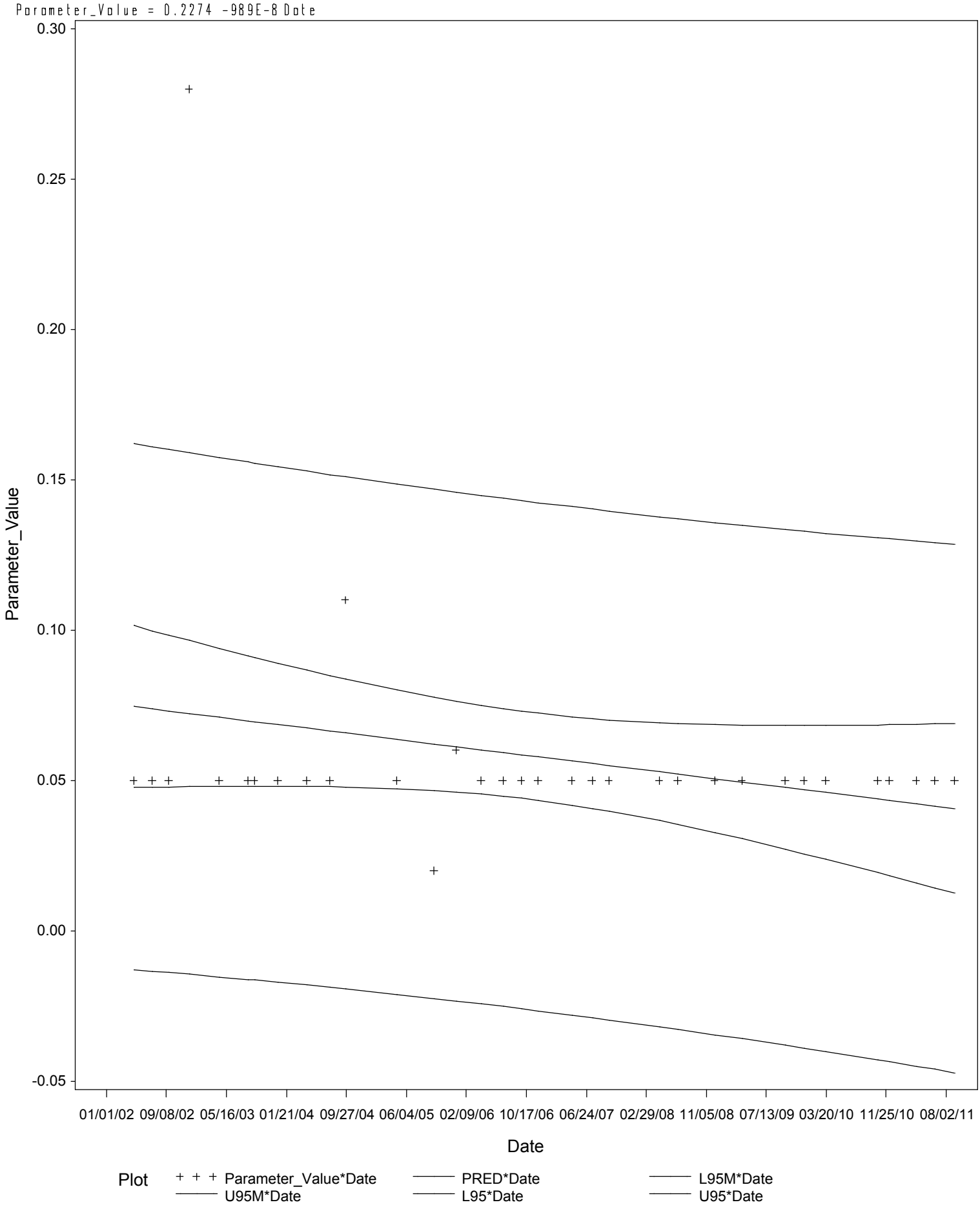
Rio Grande Above Amistad Reservoir

Parameter=ALUMINUM, DISSOLVED (UG/L AS AL) Station=13223



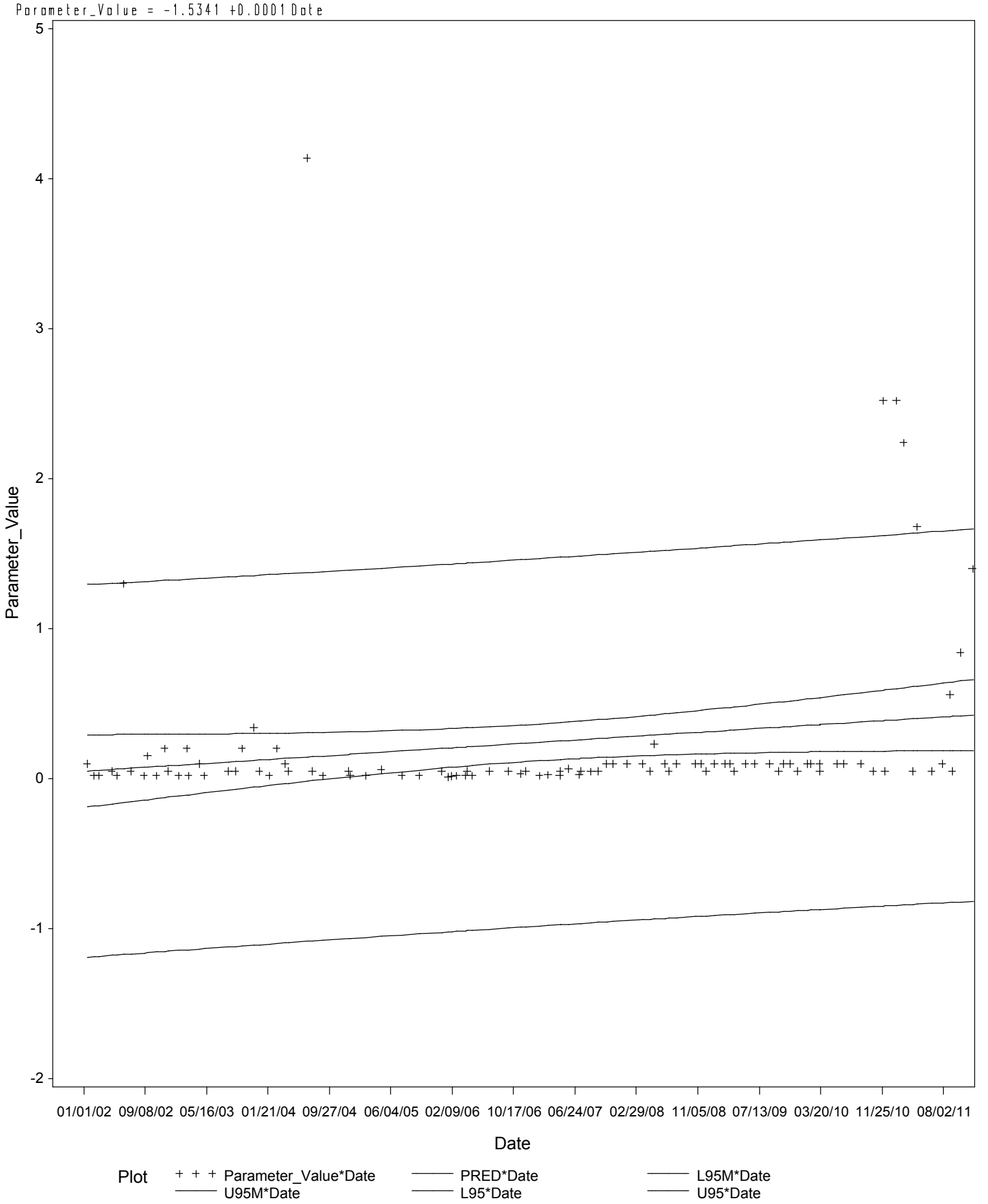
Rio Grande Above Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13225



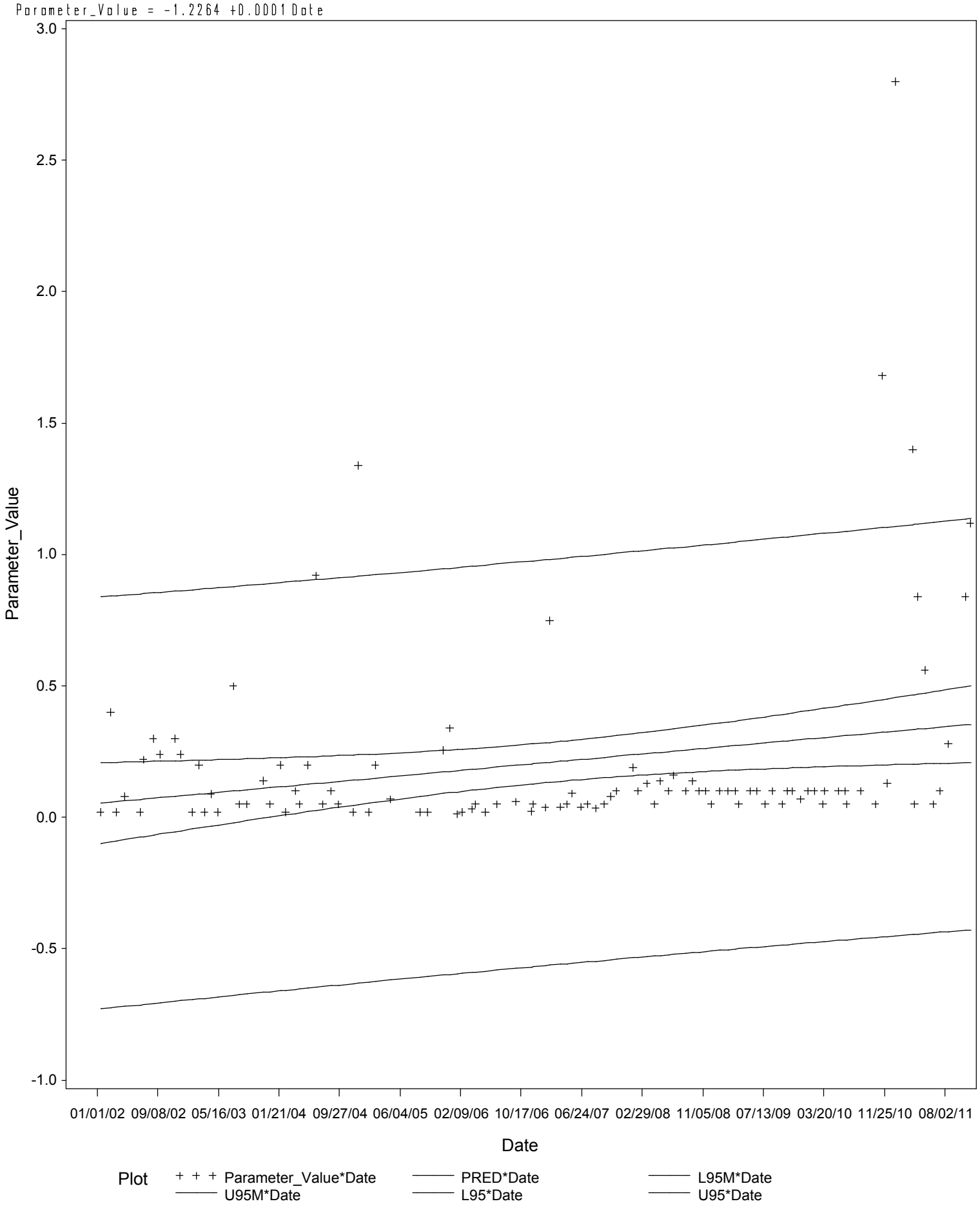
Rio Grande Above Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13228



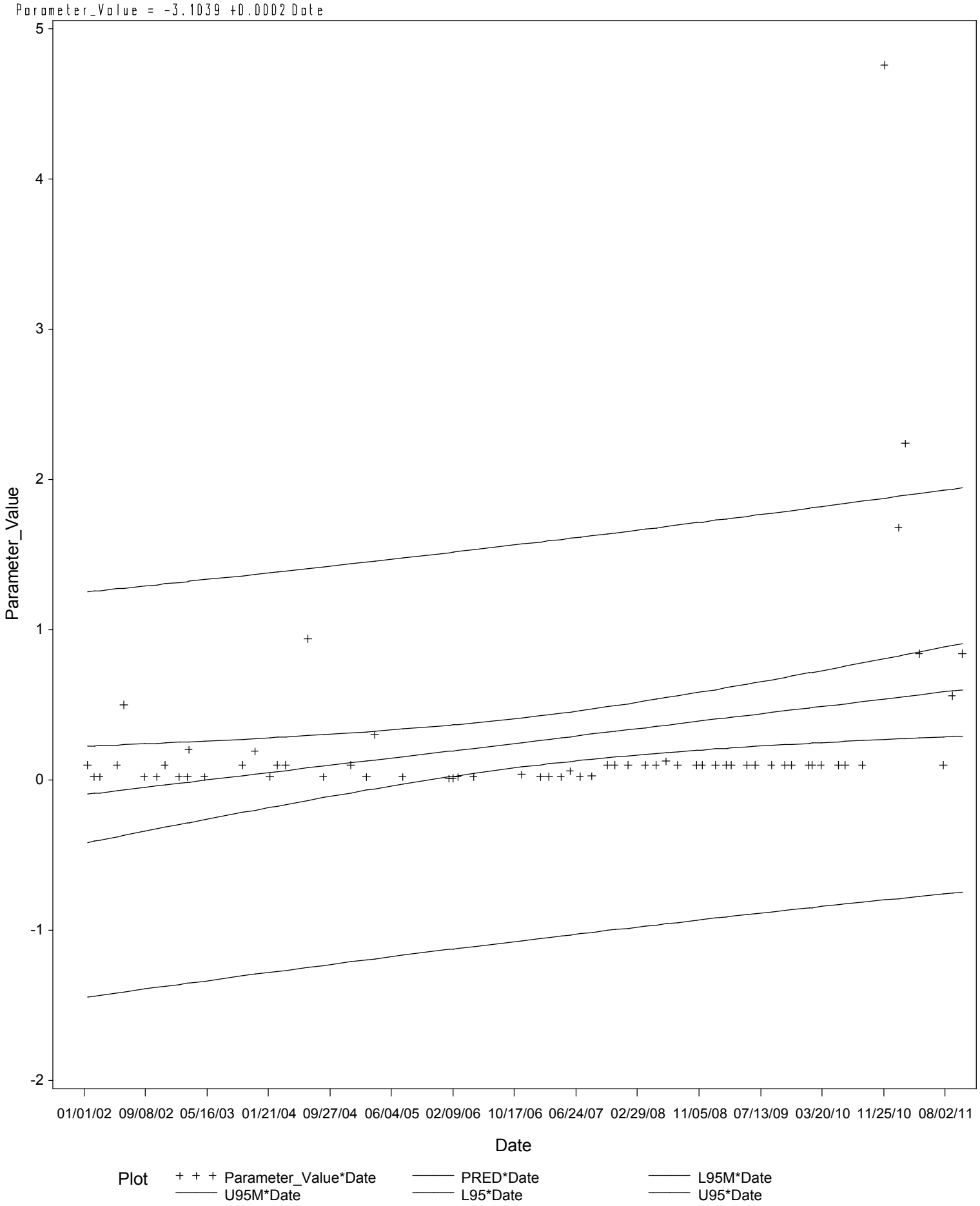
Rio Grande Above Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13229



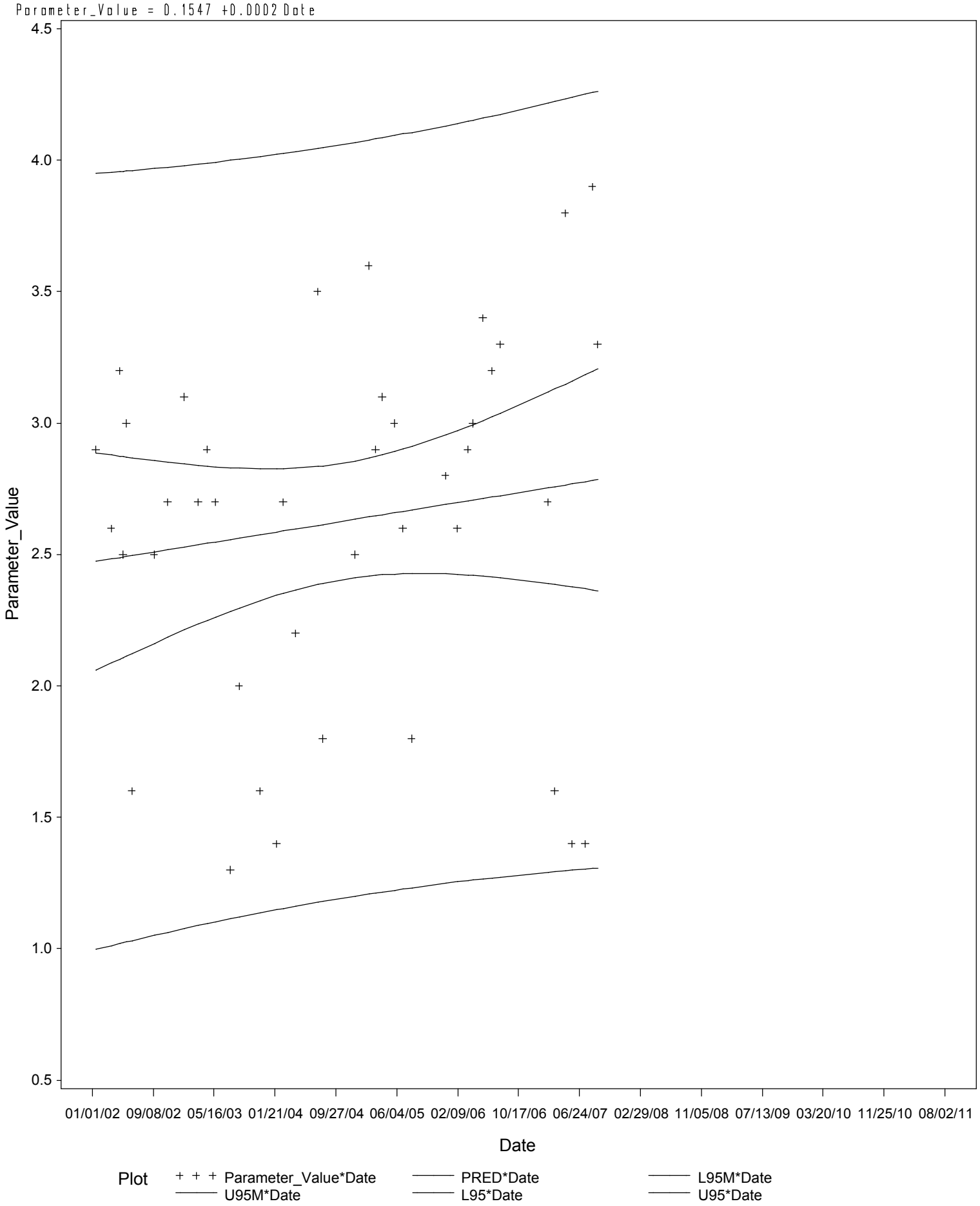
Rio Grande Above Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=16730



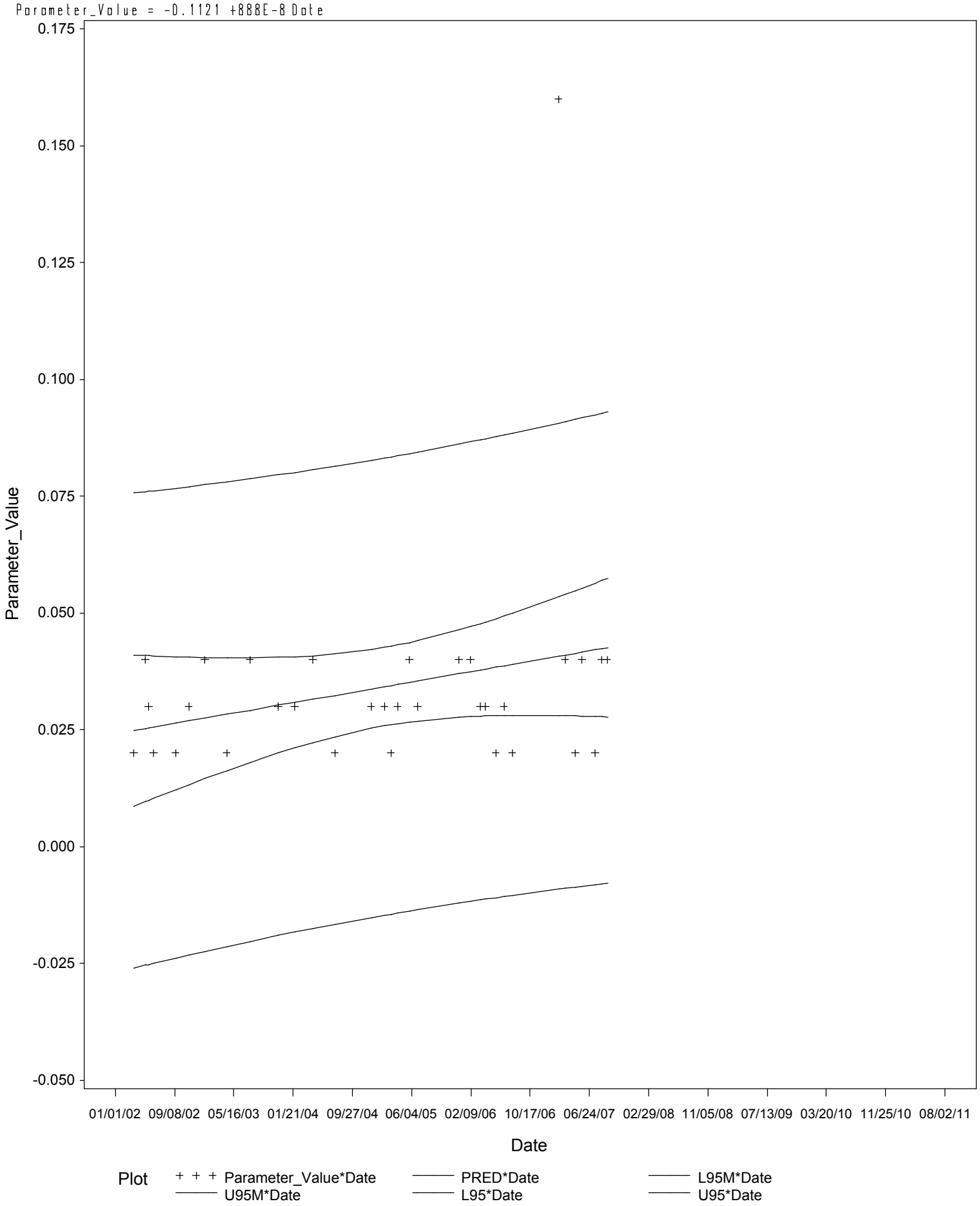
Rio Grande Above Amistad Reservoir

Parameter=ARSENIC, DISSOLVED (UG/L AS AS) Station=13223



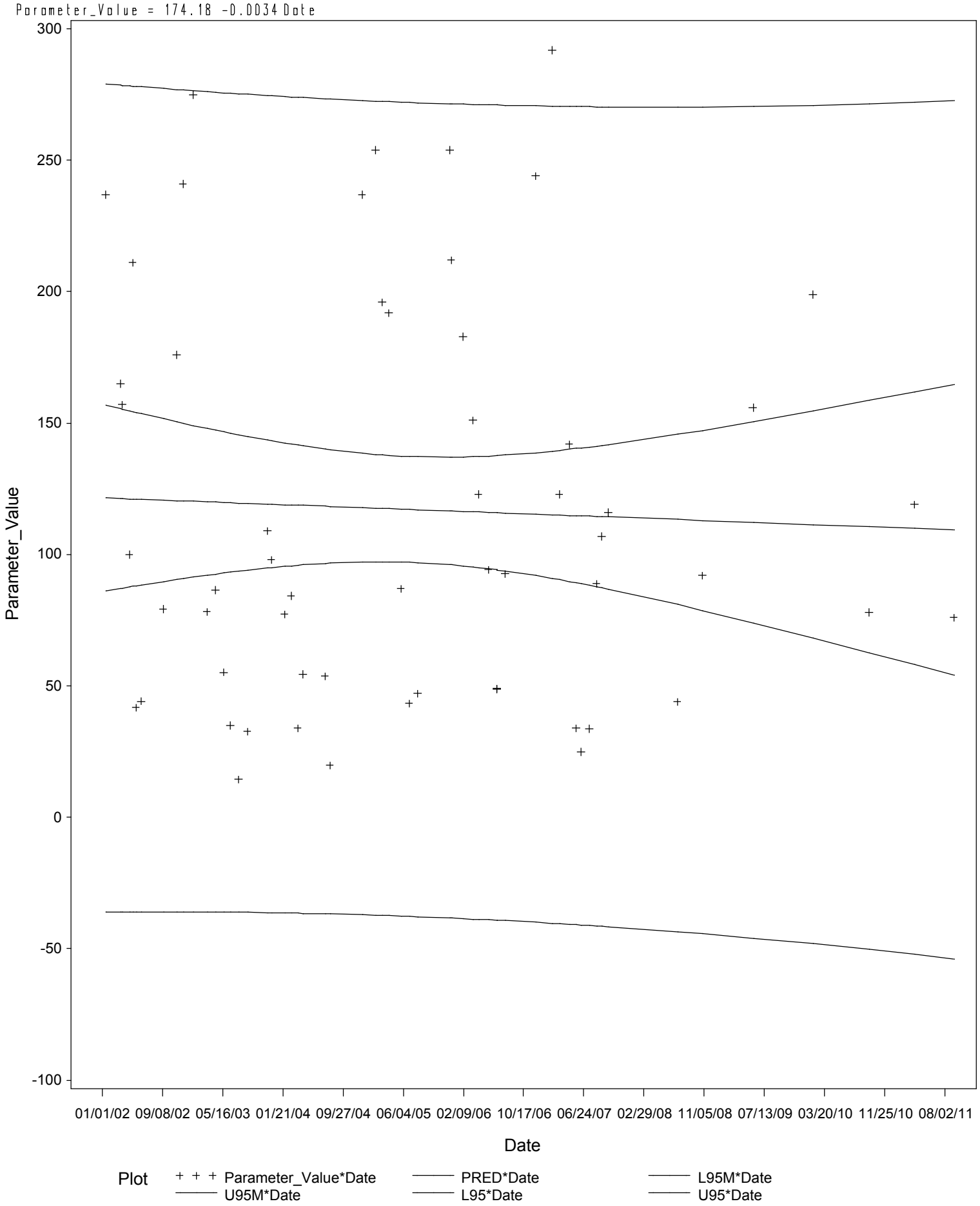
Rio Grande Above Amistad Reservoir

Parameter=CADMIUM, DISSOLVED (UG/L AS CD) Station=13223



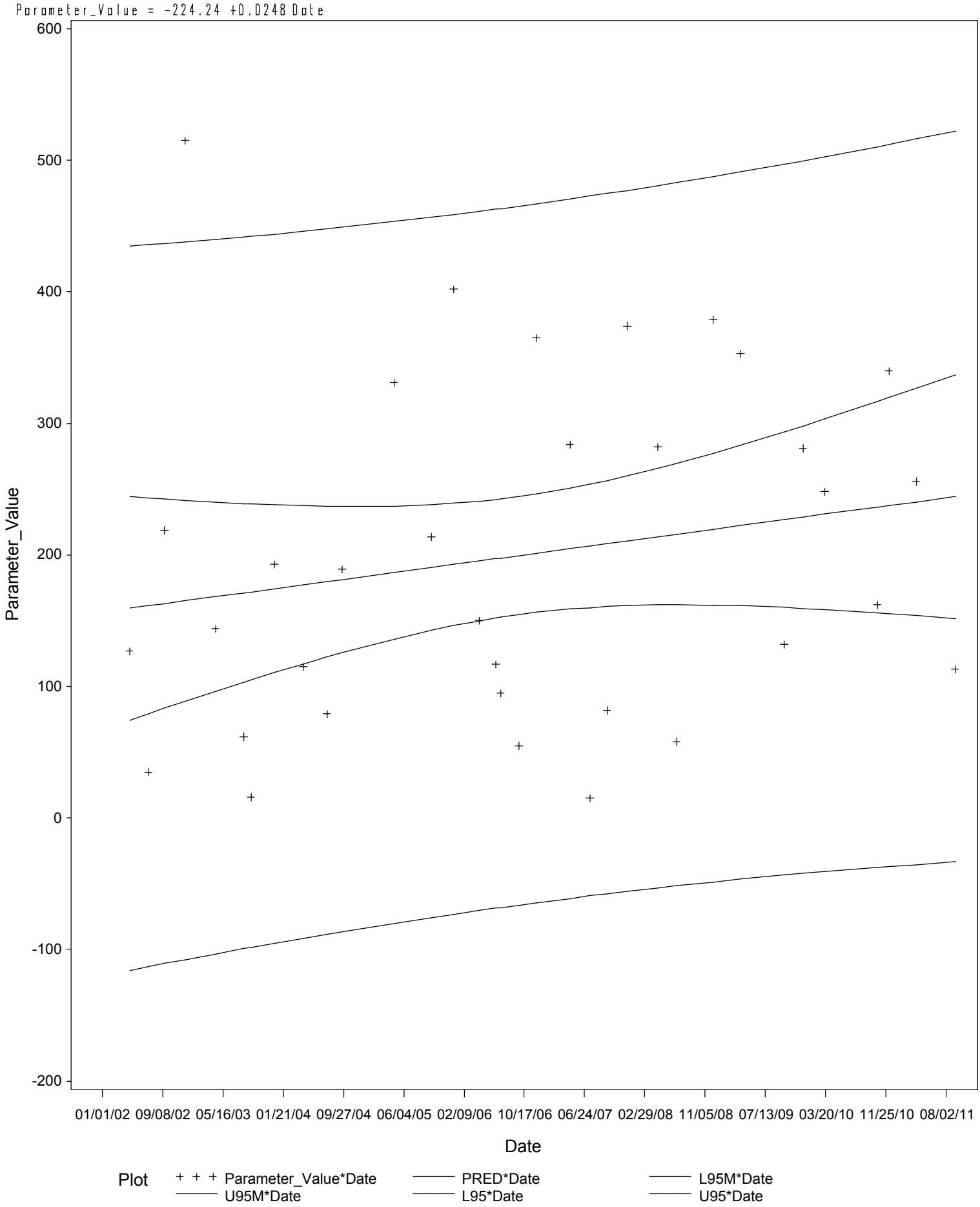
Rio Grande Above Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13223



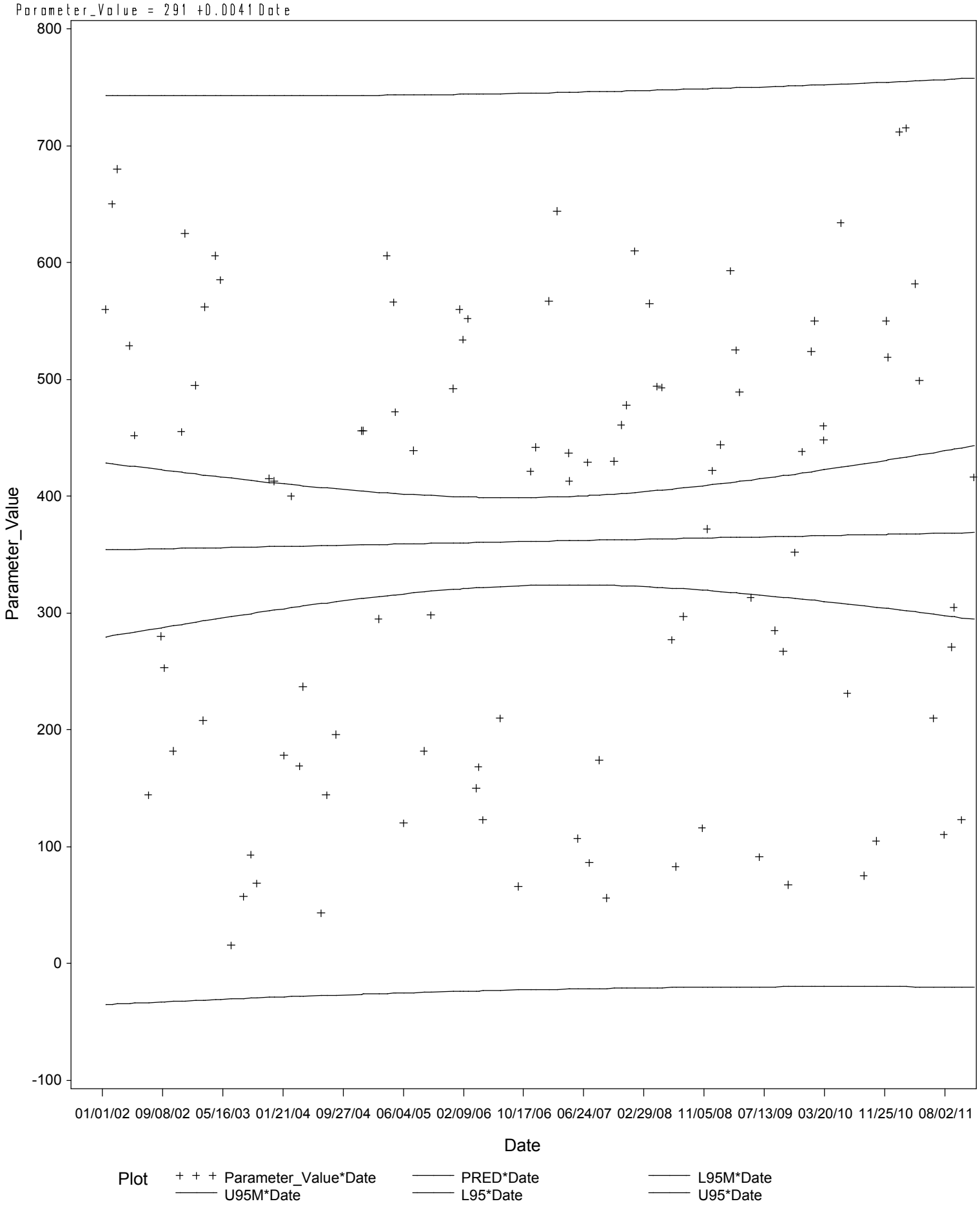
Rio Grande Above Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13225



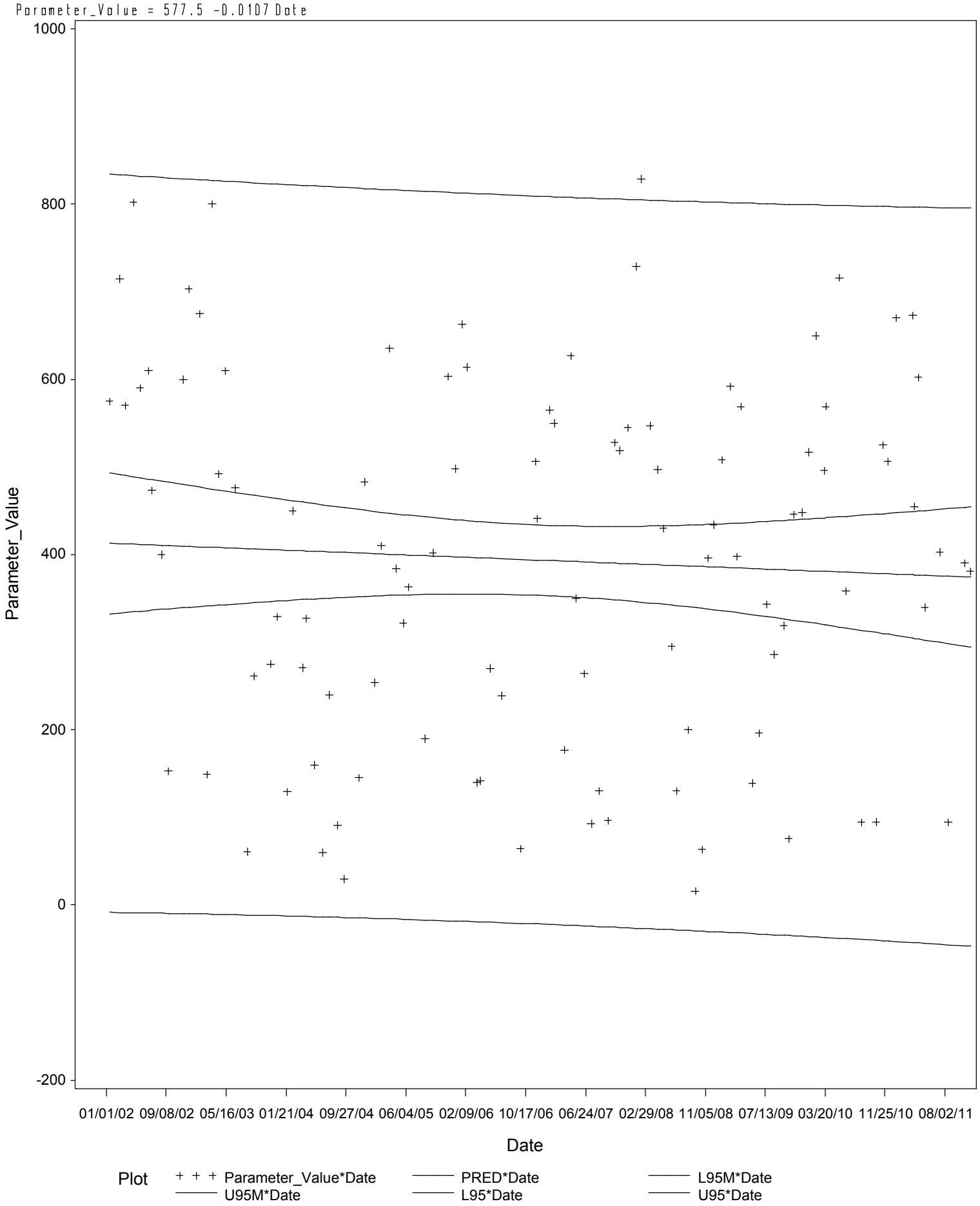
Rio Grande Above Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13228



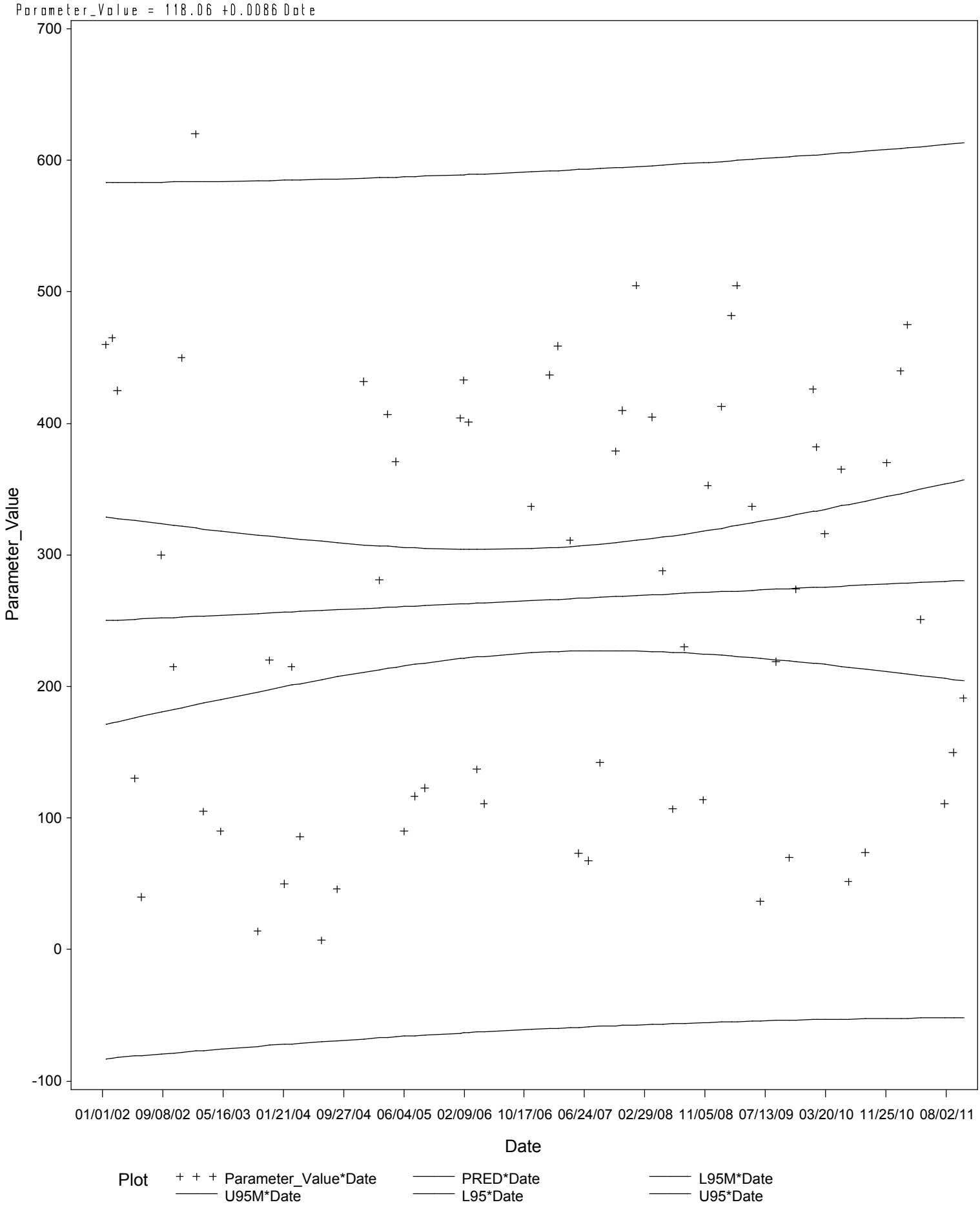
Rio Grande Above Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13229



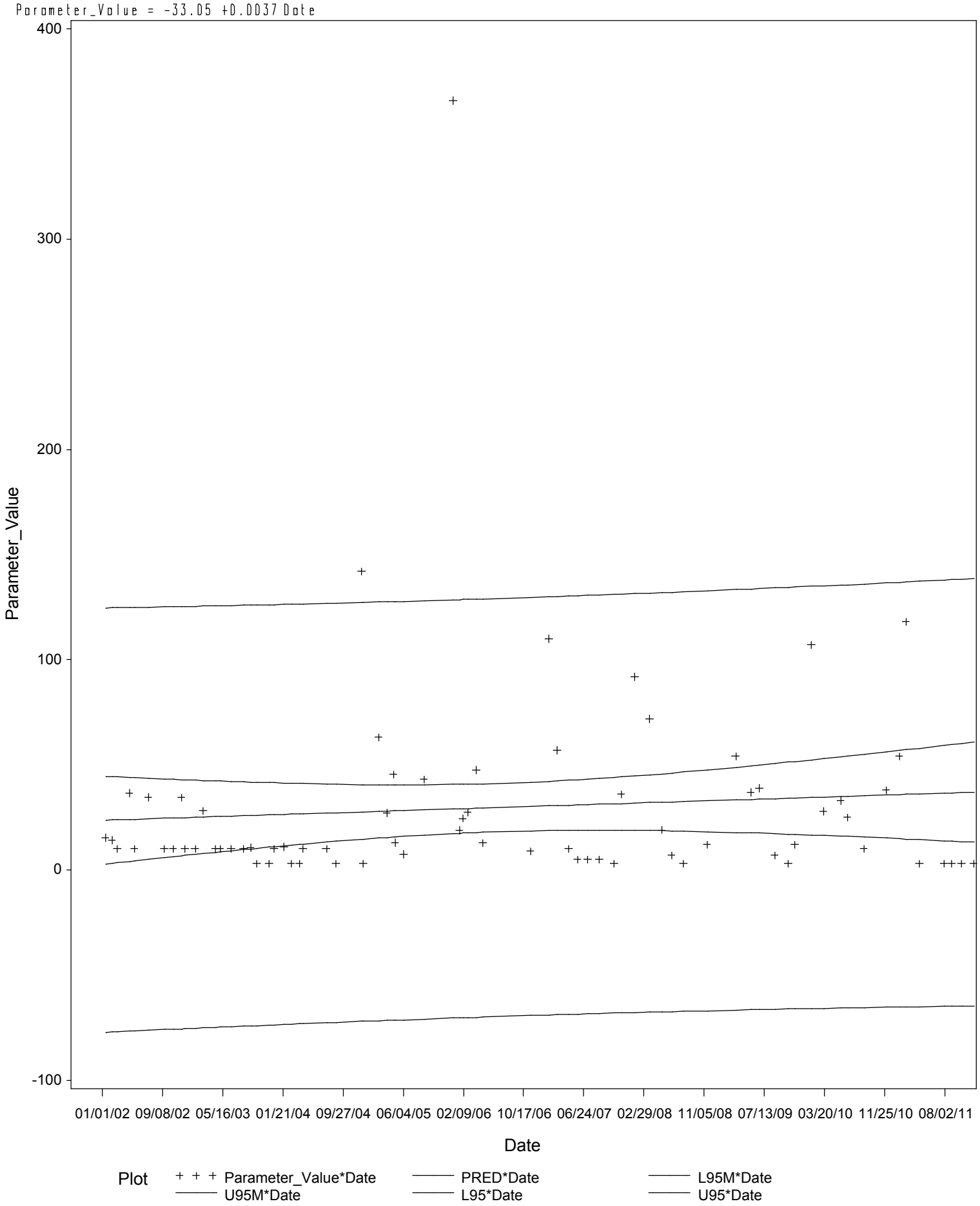
Rio Grande Above Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=16730



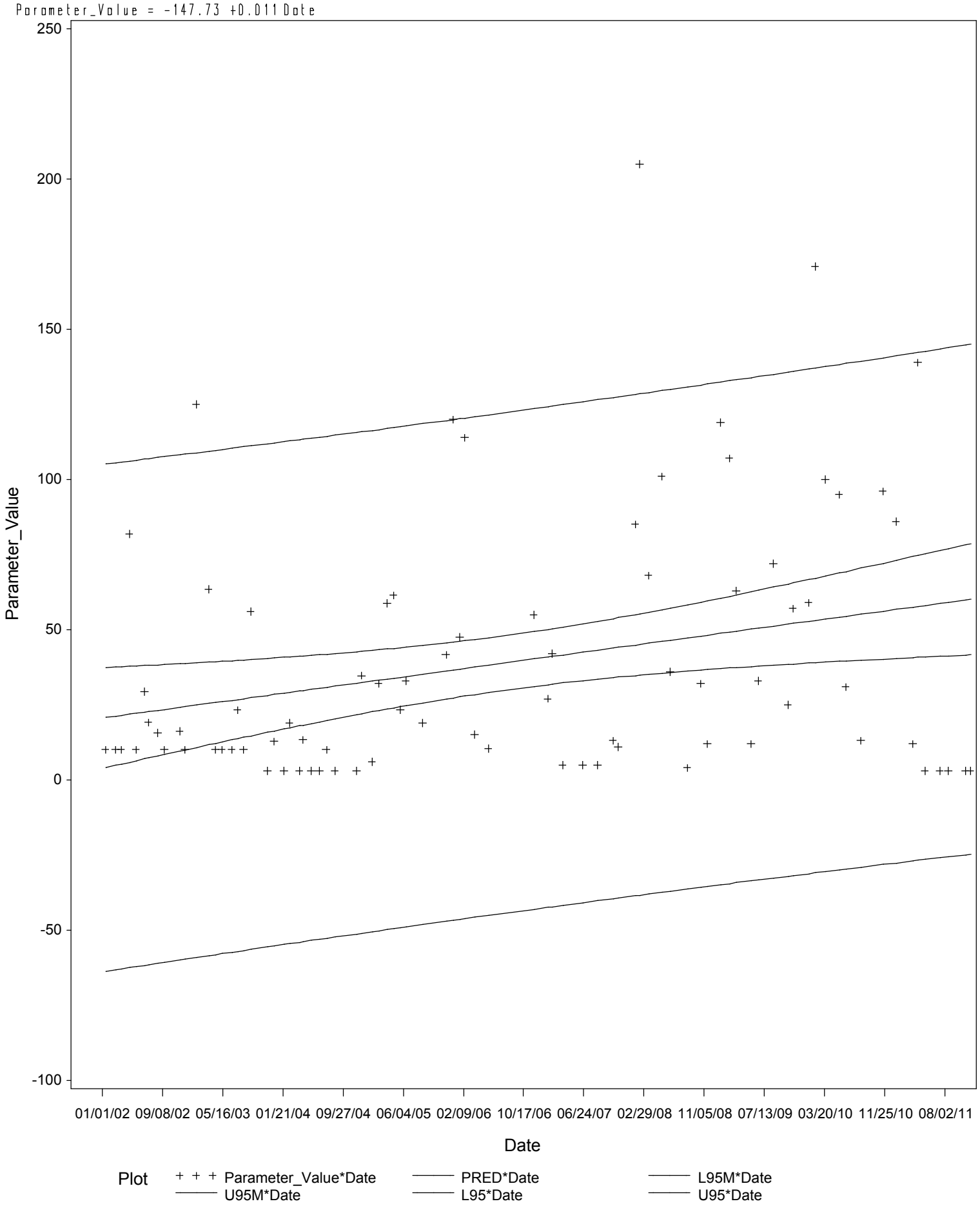
Rio Grande Above Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=13228



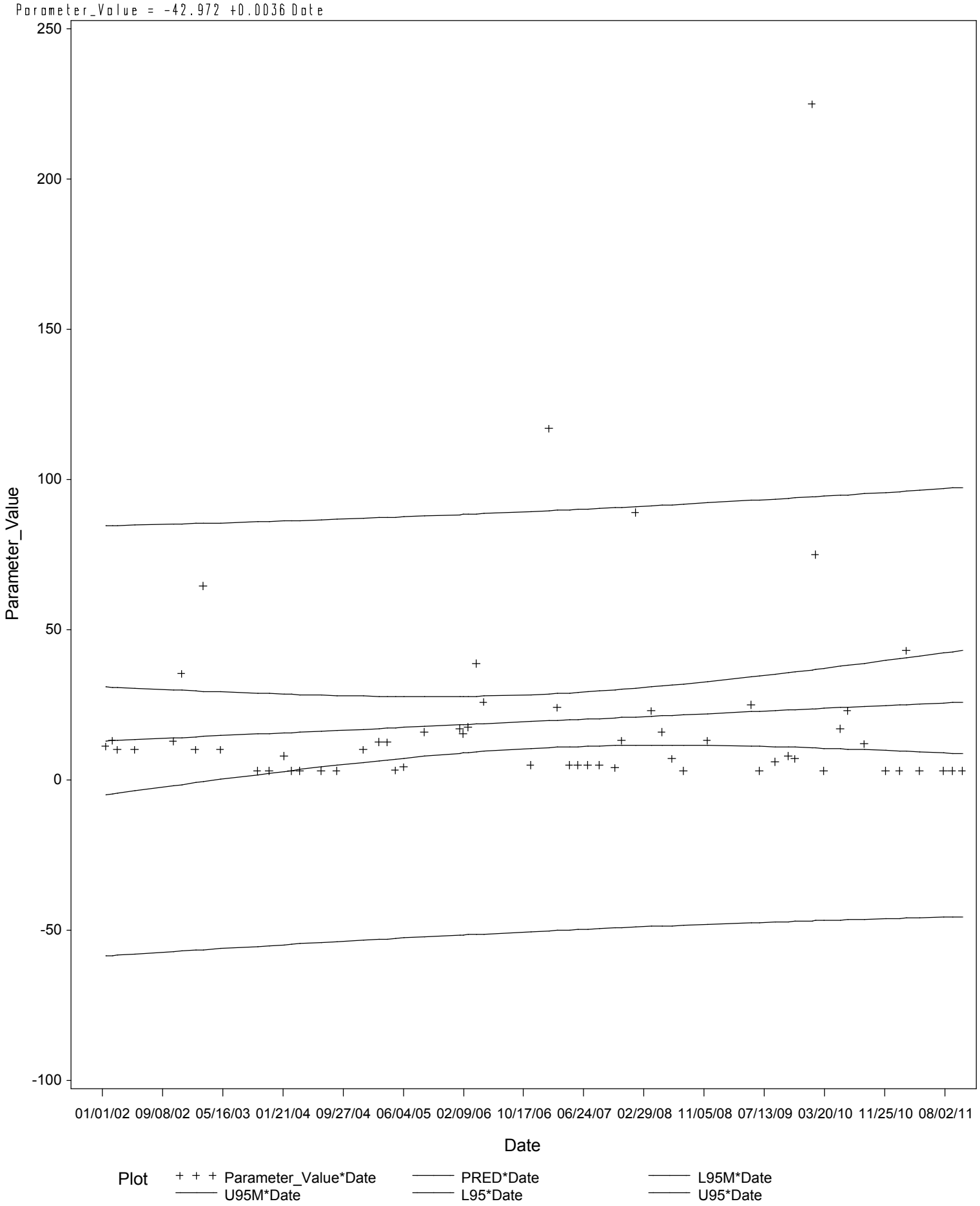
Rio Grande Above Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=13229



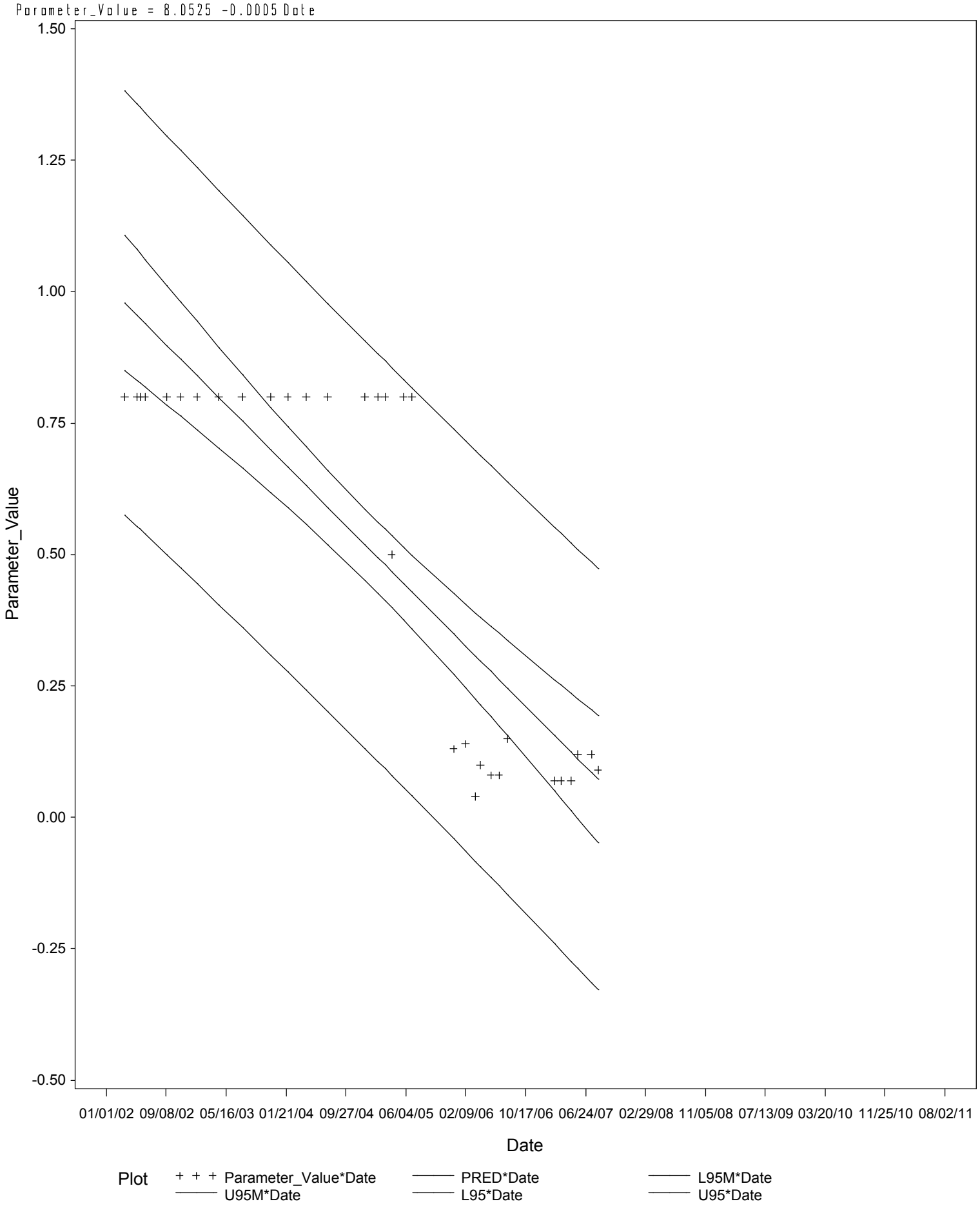
Rio Grande Above Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=16730



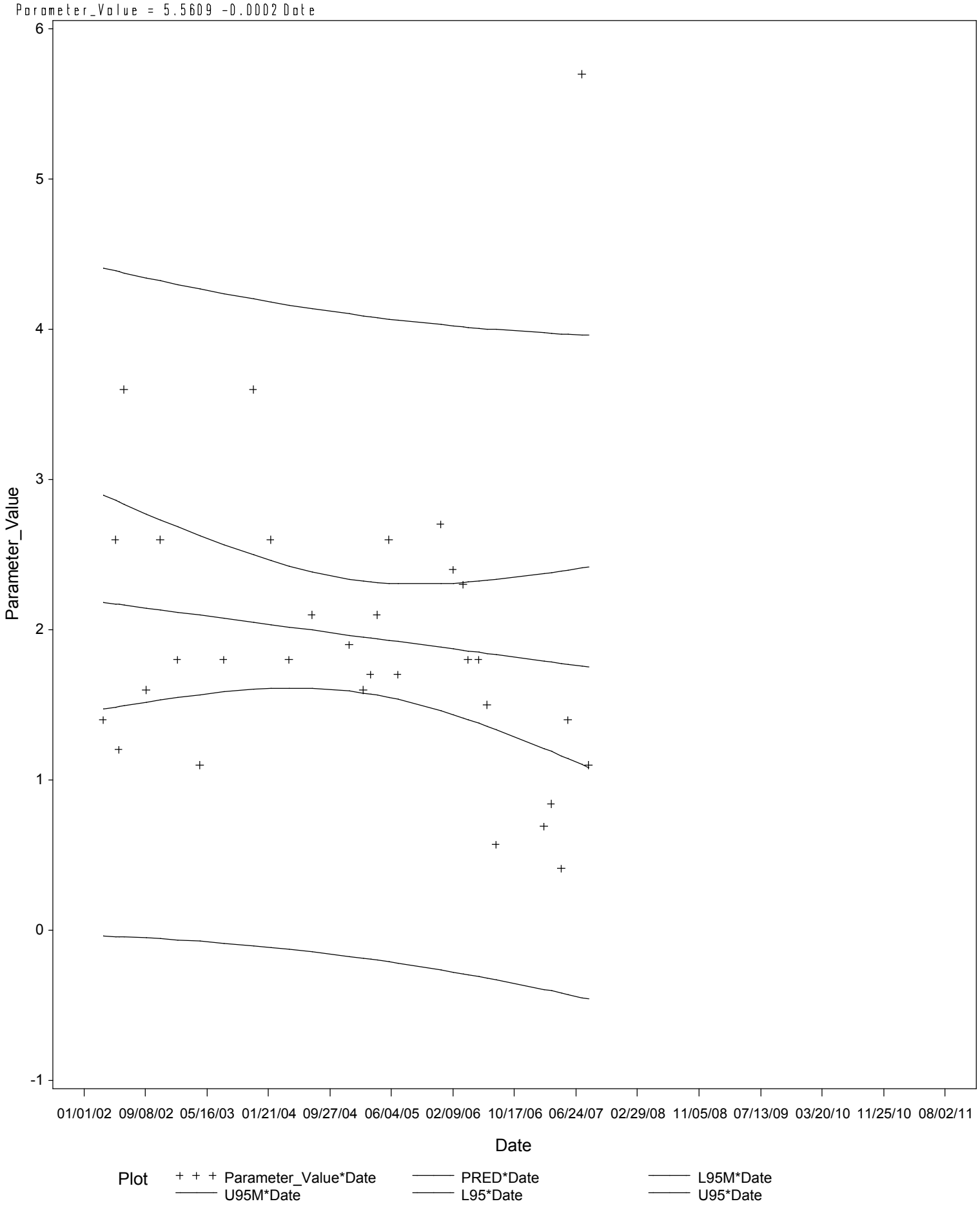
Rio Grande Above Amistad Reservoir

Parameter=CHROMIUM, DISSOLVED (UG/L AS CR) Station=13223



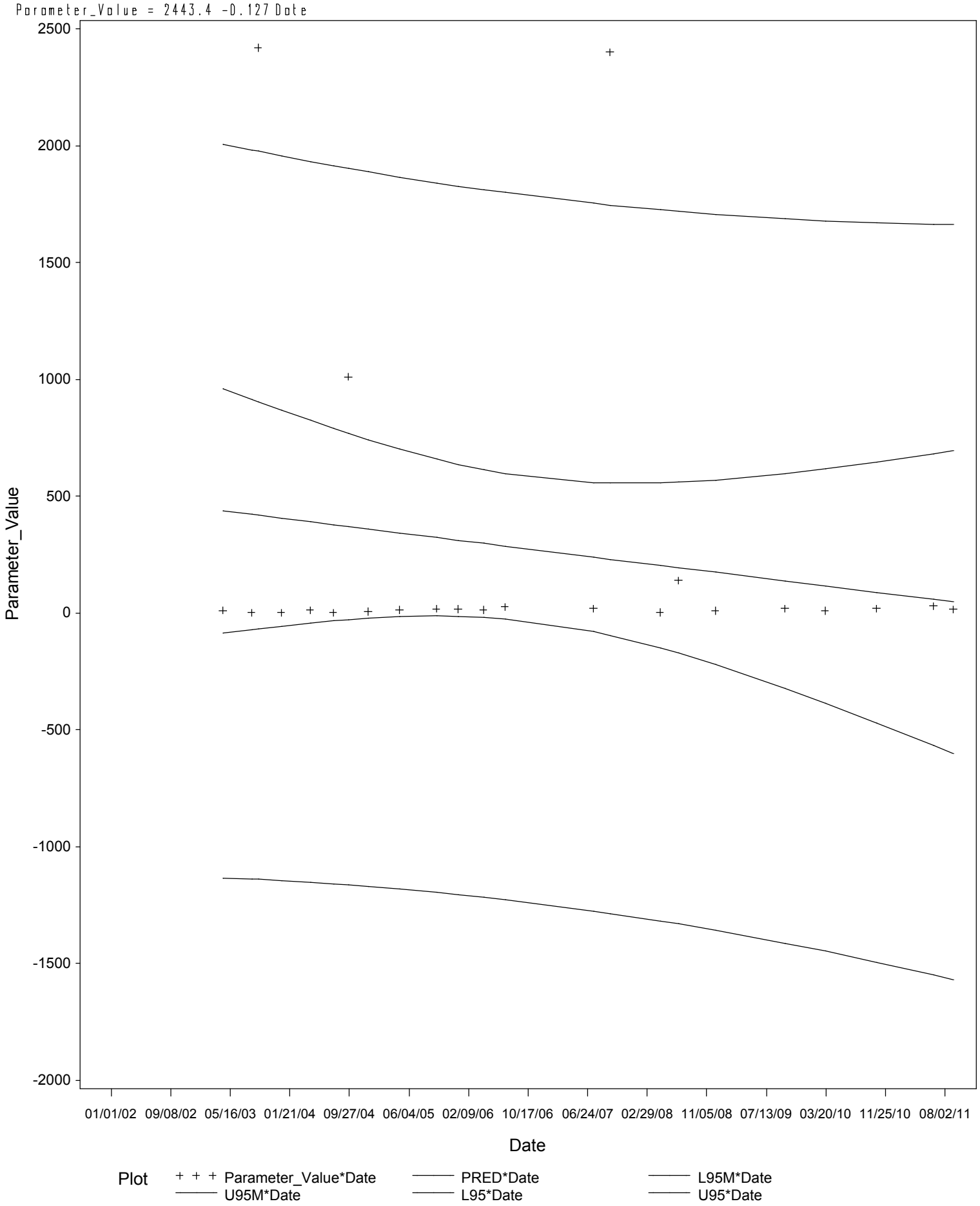
Rio Grande Above Amistad Reservoir

Parameter=COPPER, DISSOLVED (UG/L AS CU) Station=13223



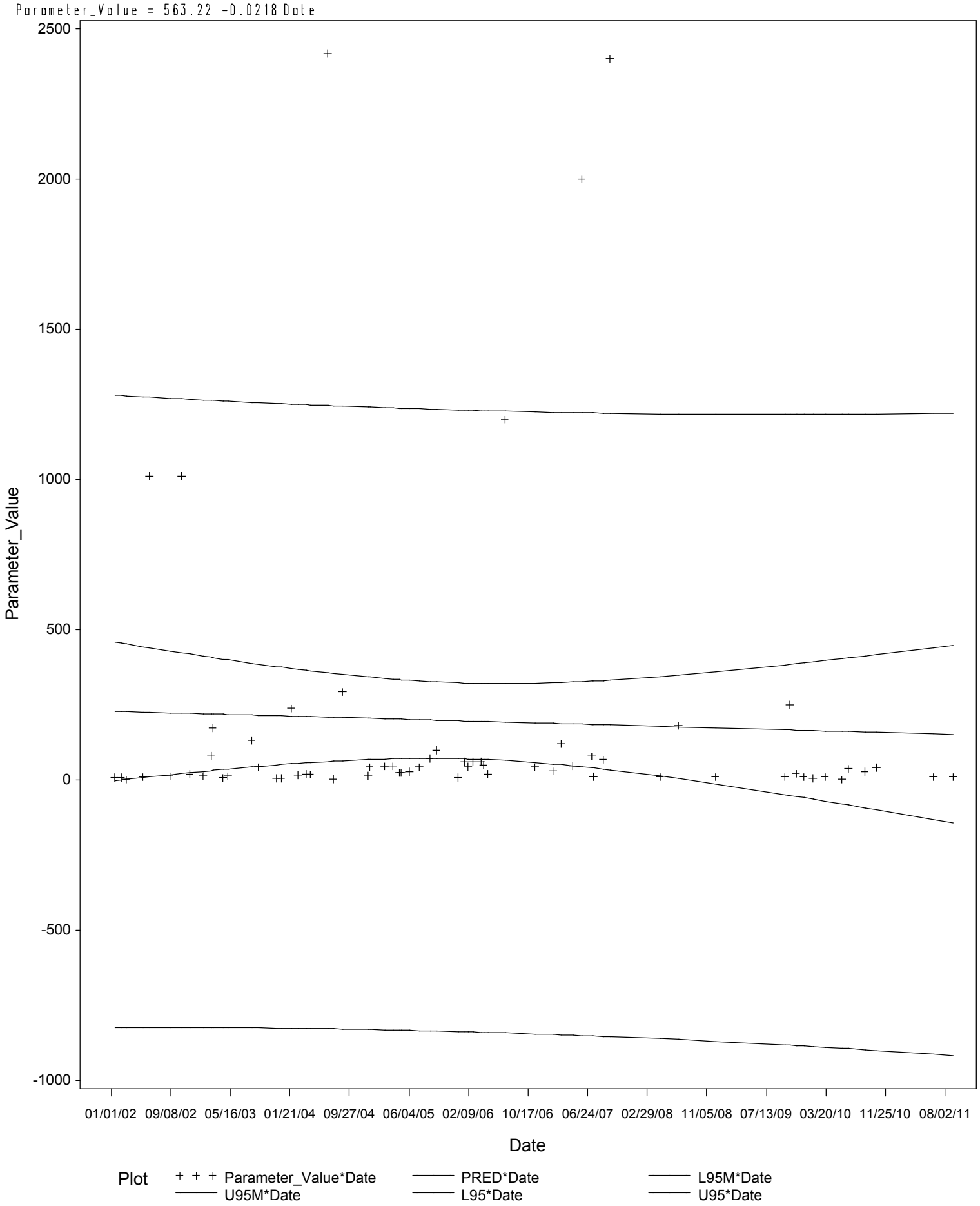
Rio Grande Above Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=13225



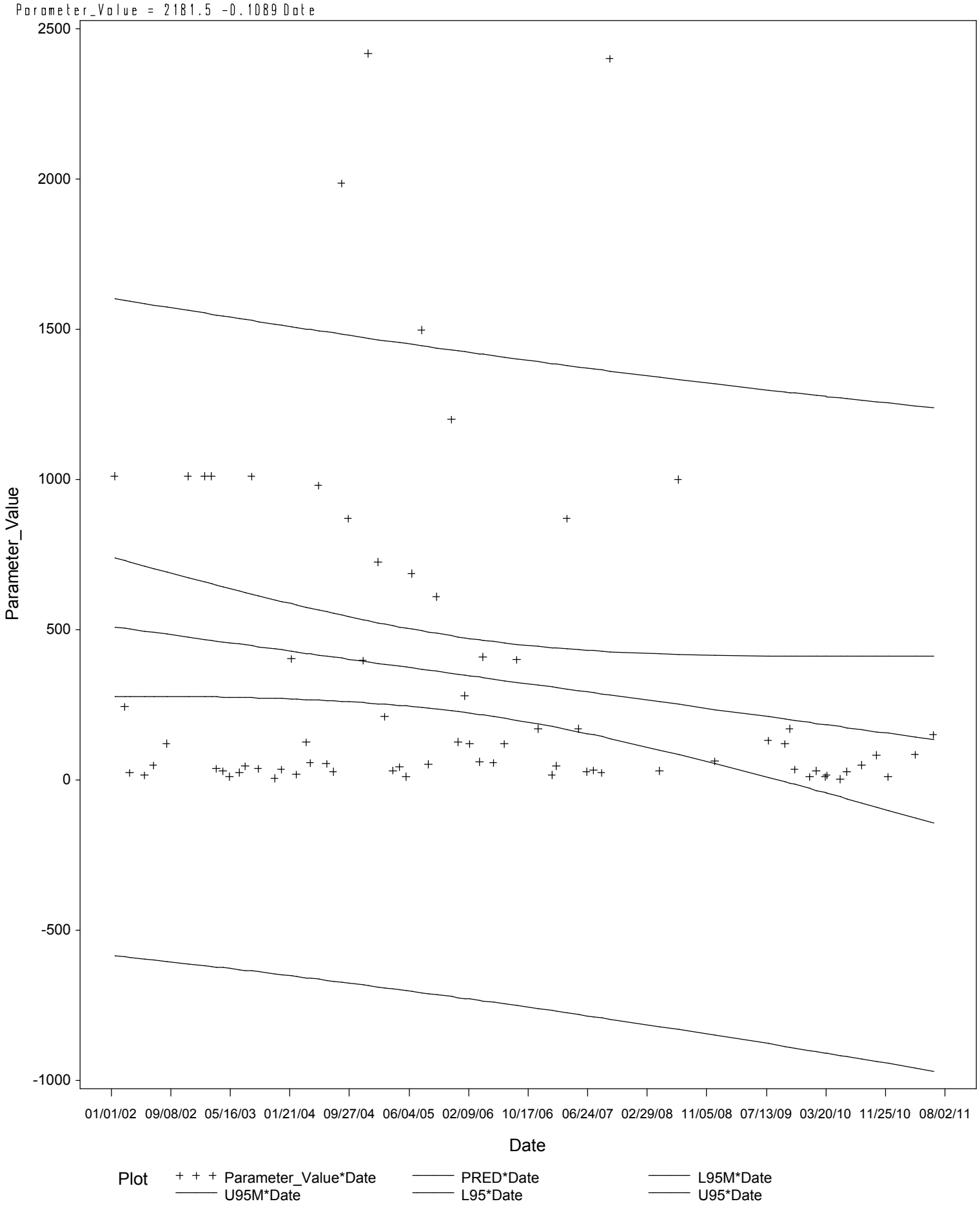
Rio Grande Above Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=13228



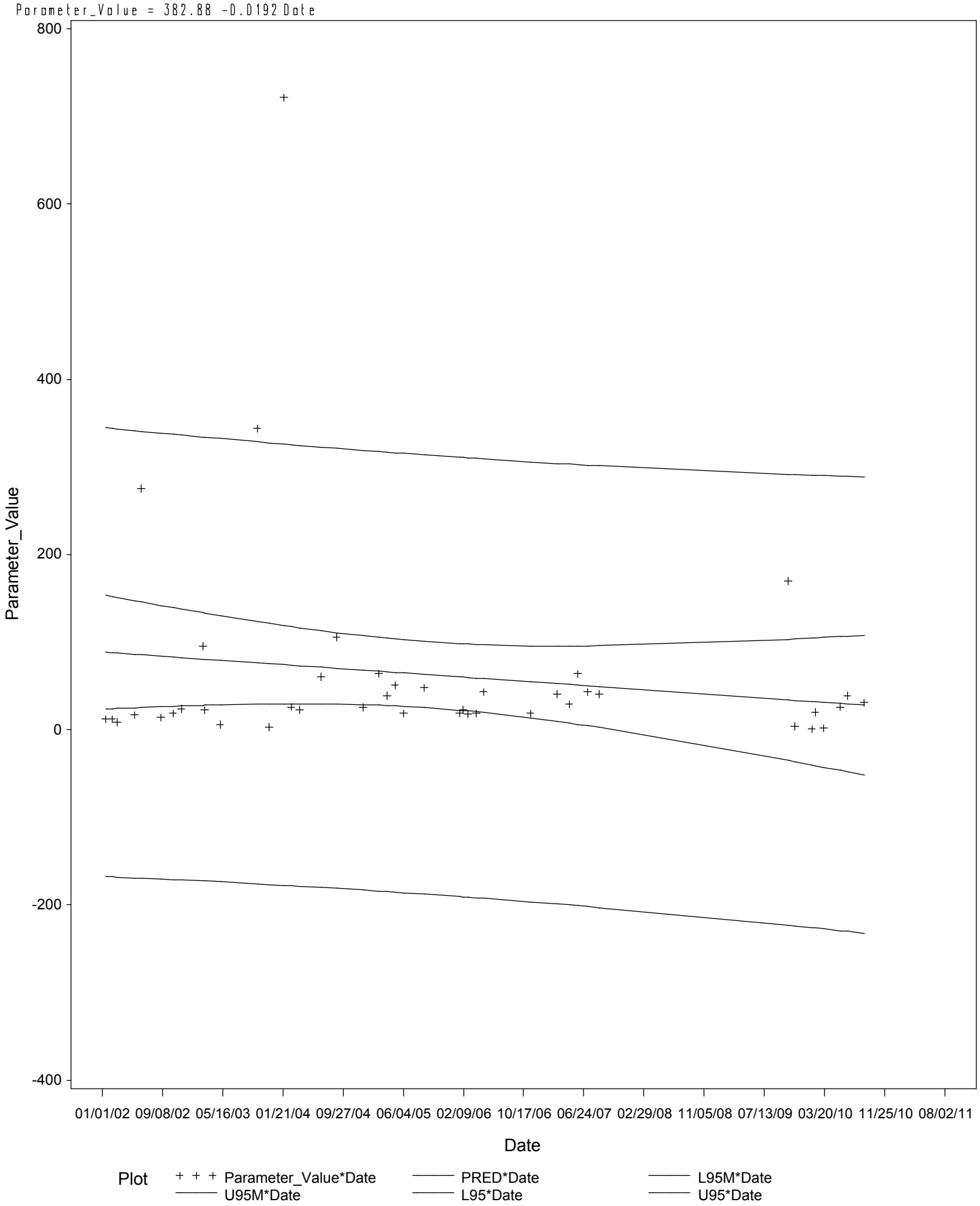
Rio Grande Above Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=13229



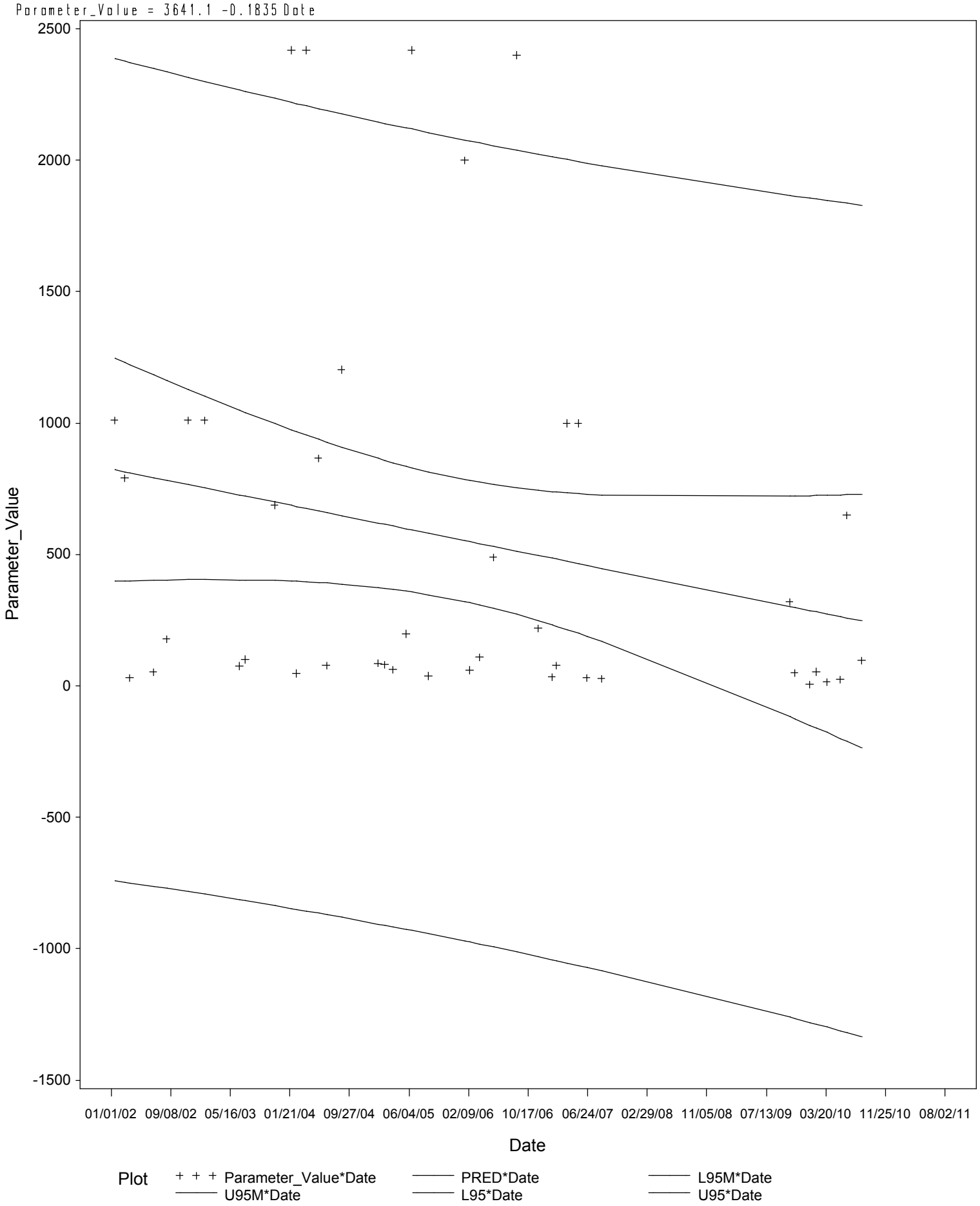
Rio Grande Above Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=16730



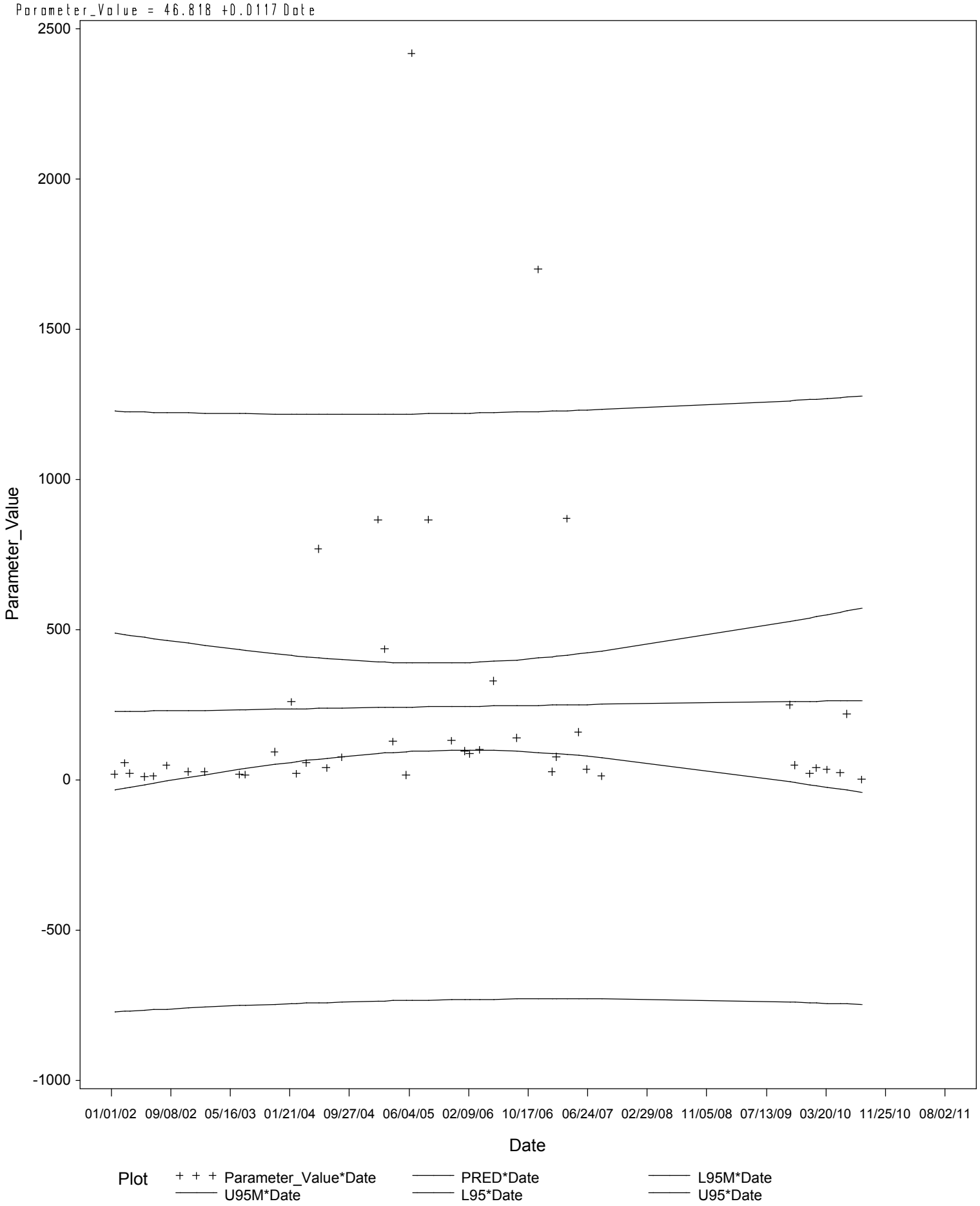
Rio Grande Above Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=17000



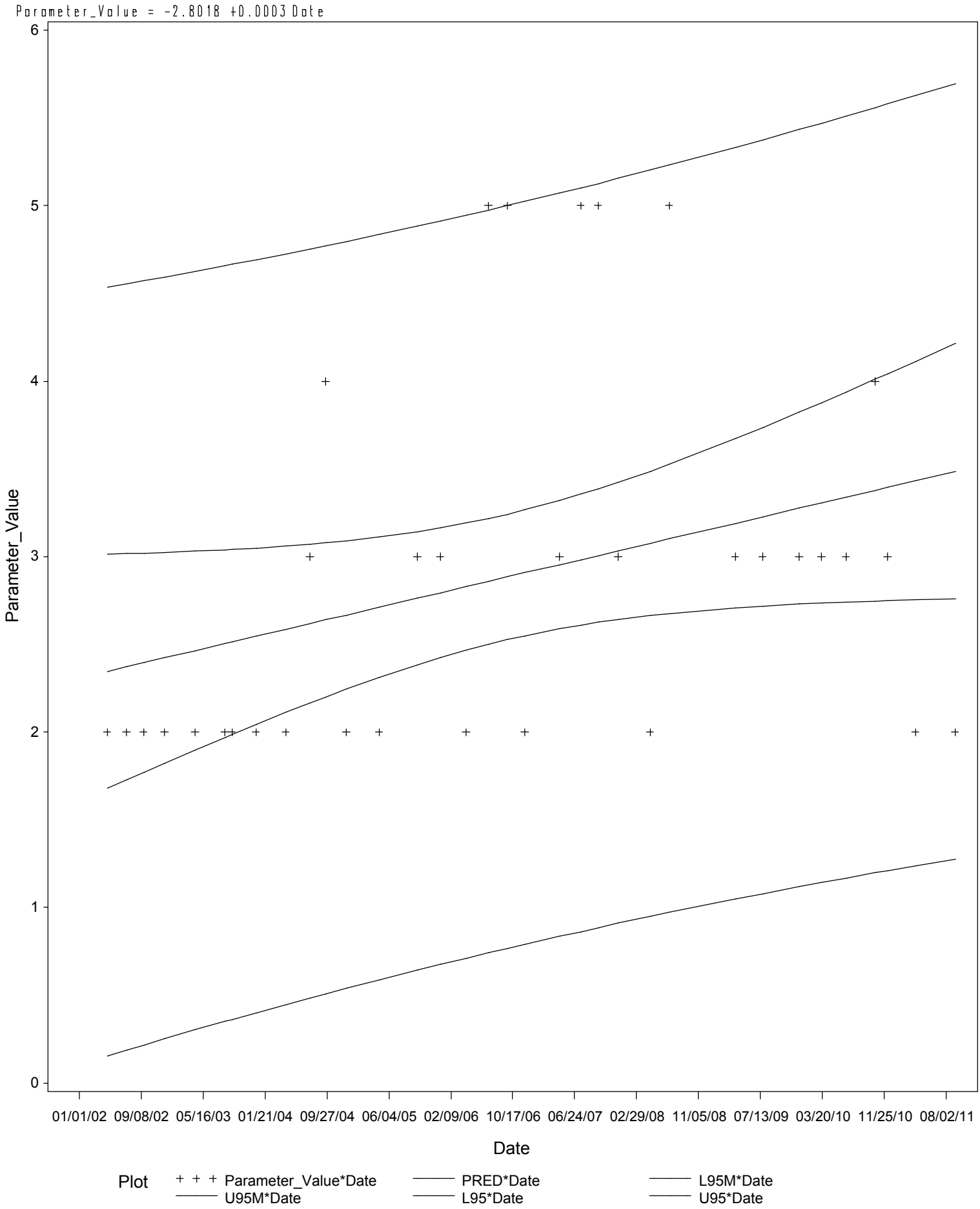
Rio Grande Above Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=17001



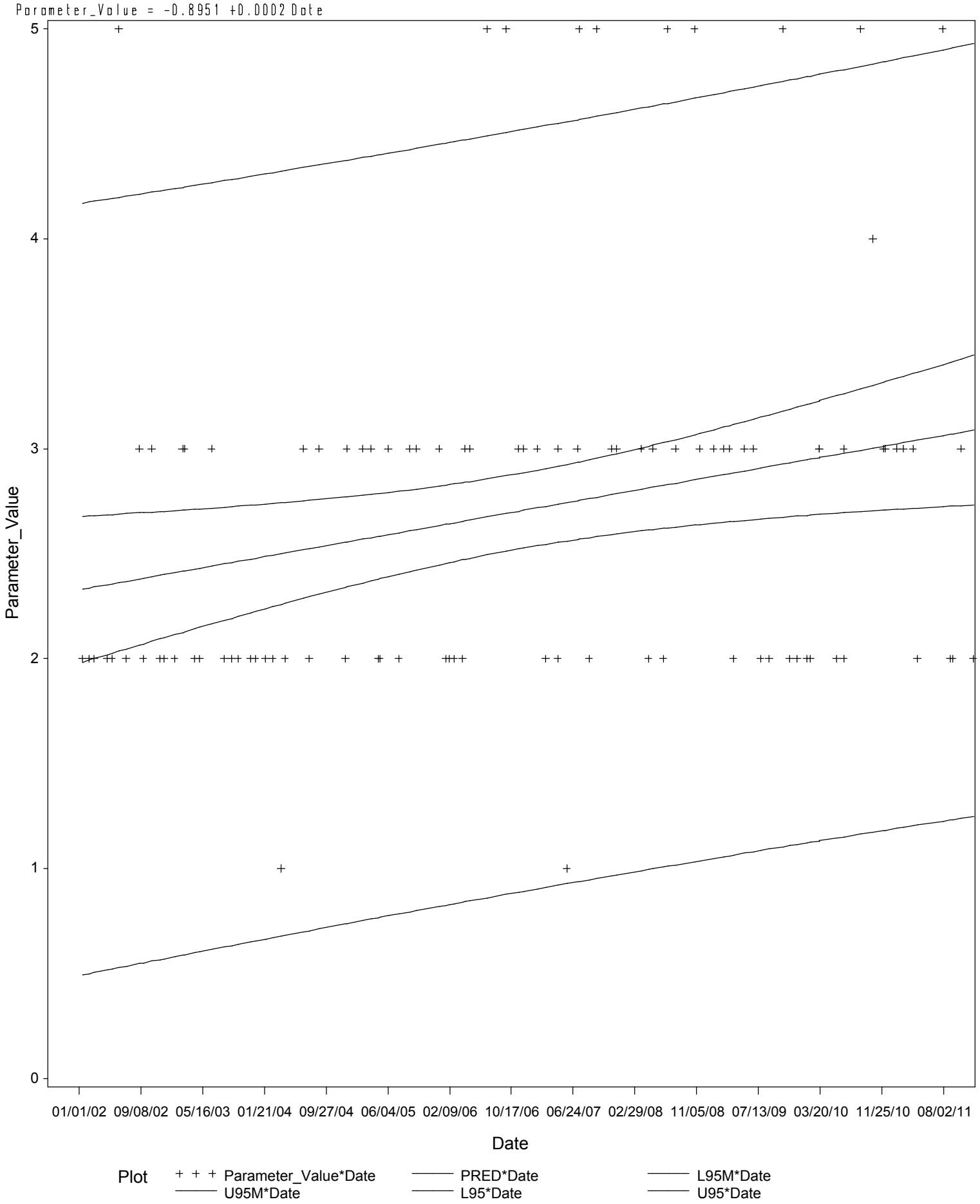
Rio Grande Above Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13225



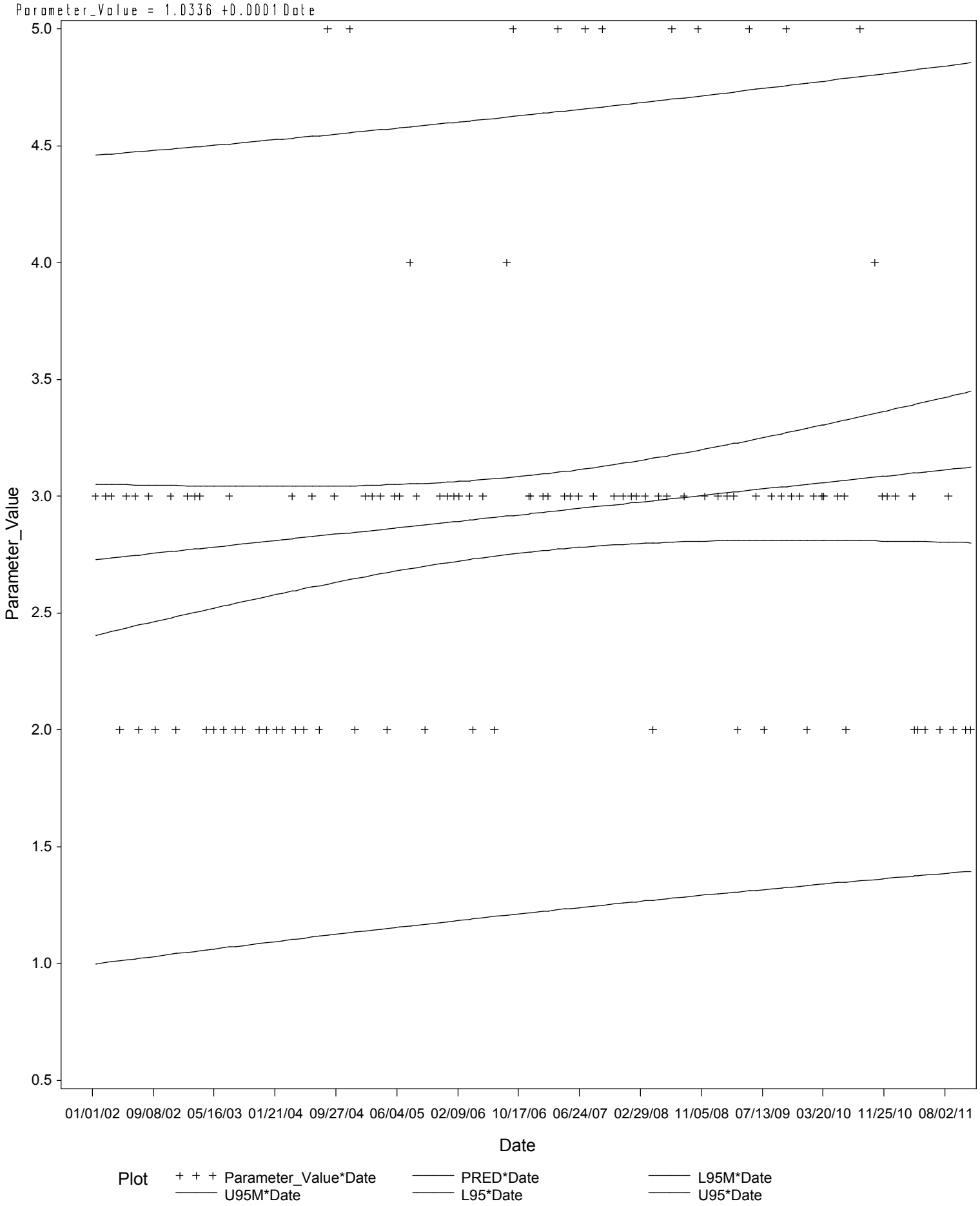
Rio Grande Above Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13228



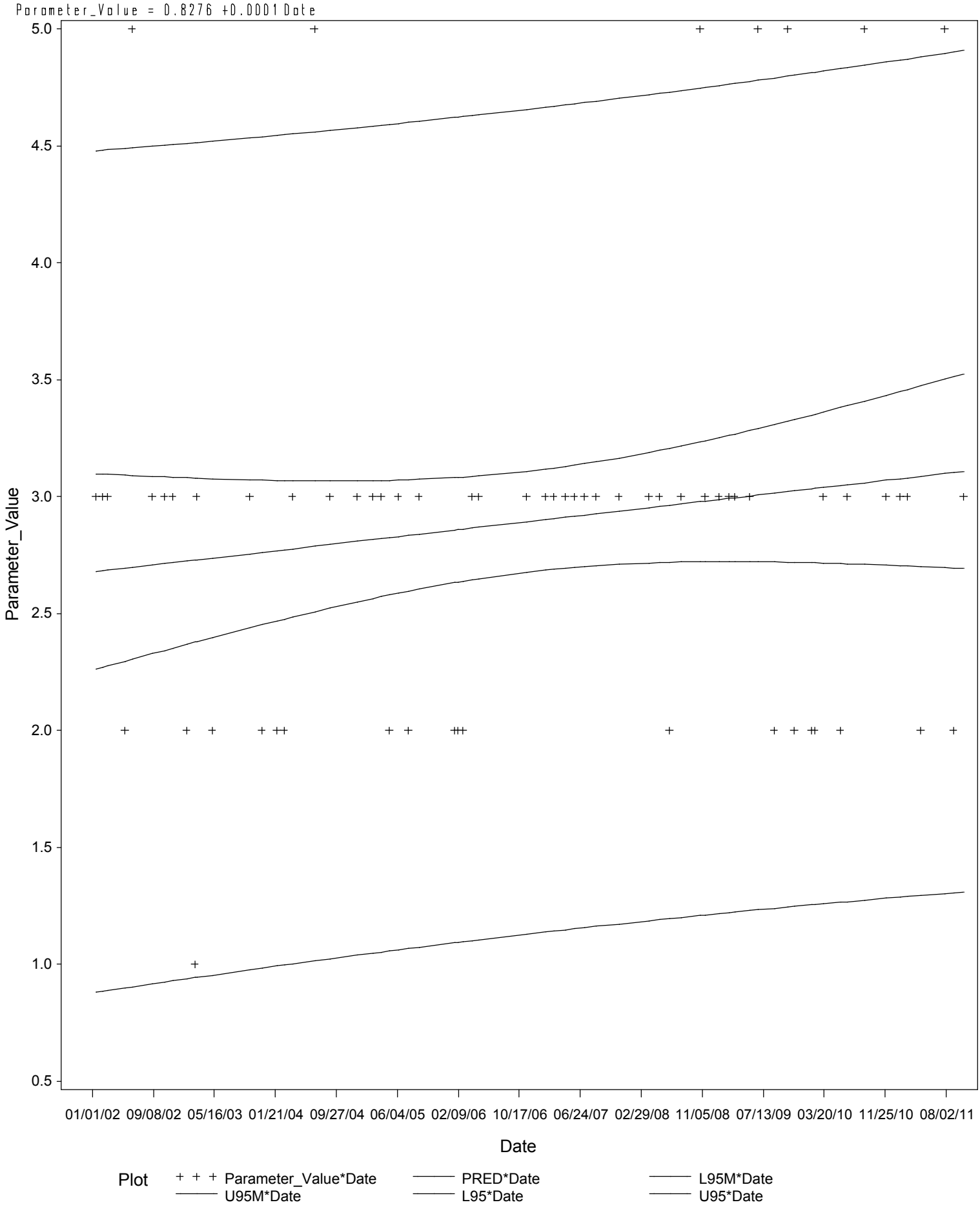
Rio Grande Above Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13229



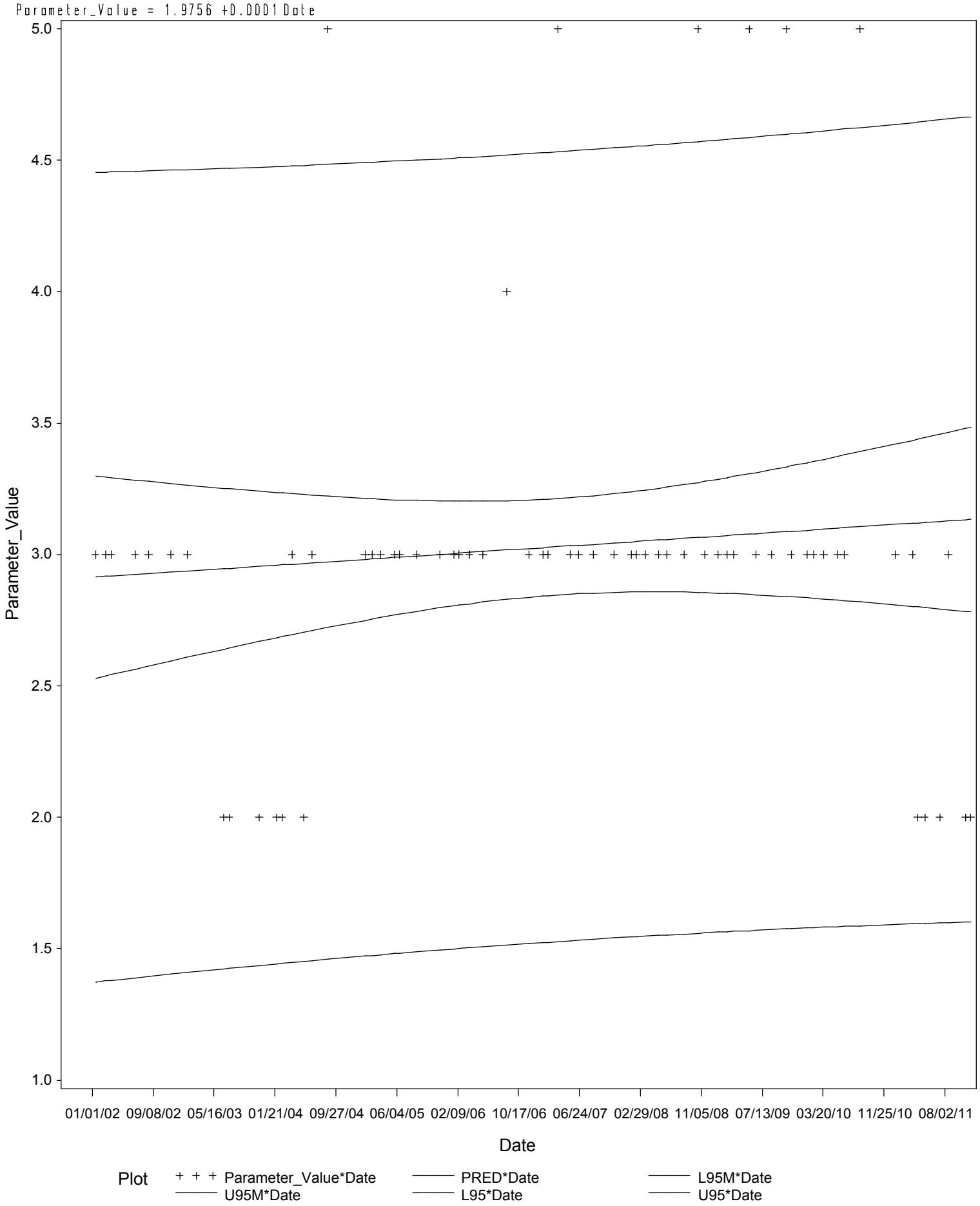
Rio Grande Above Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=16730



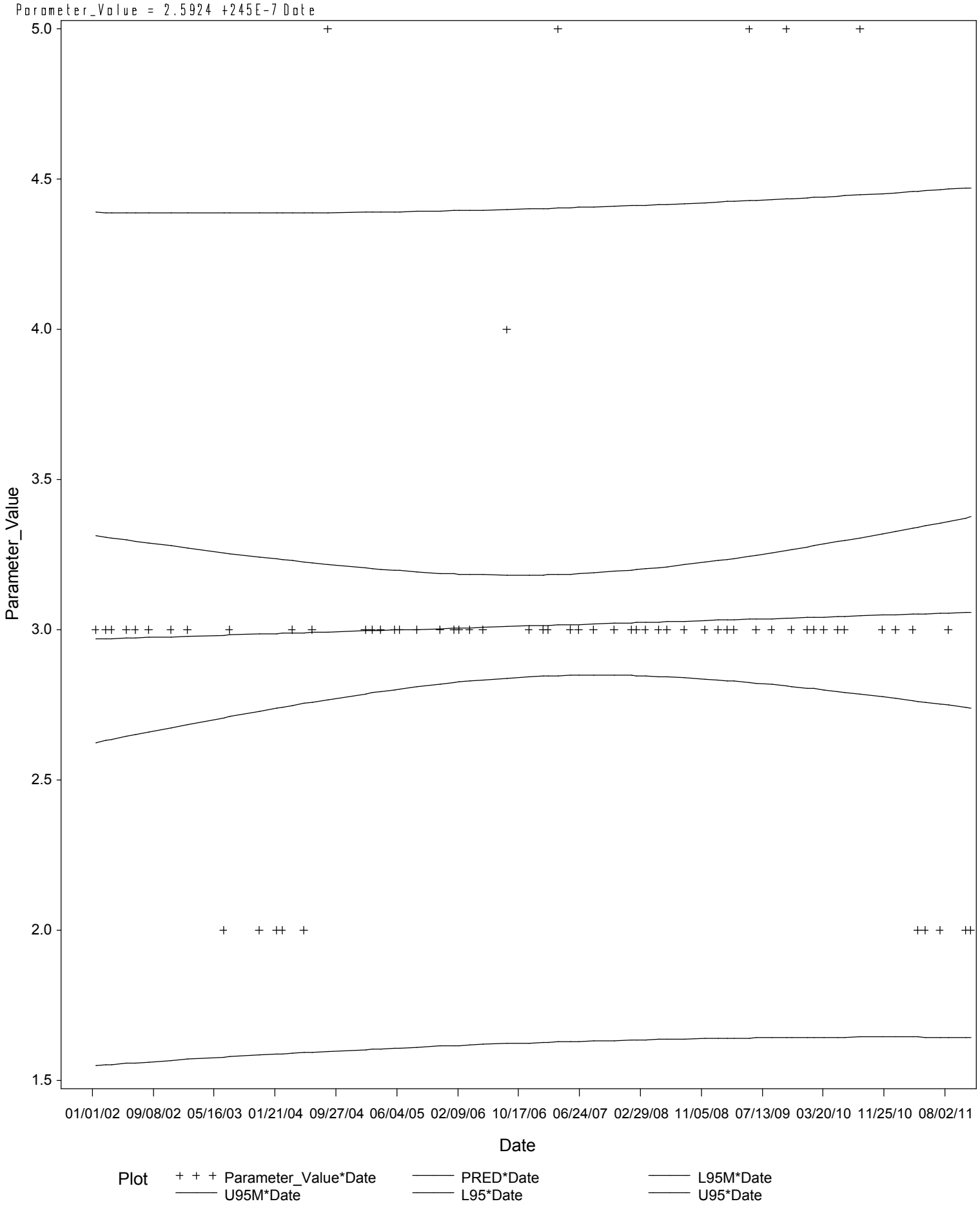
Rio Grande Above Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=17000



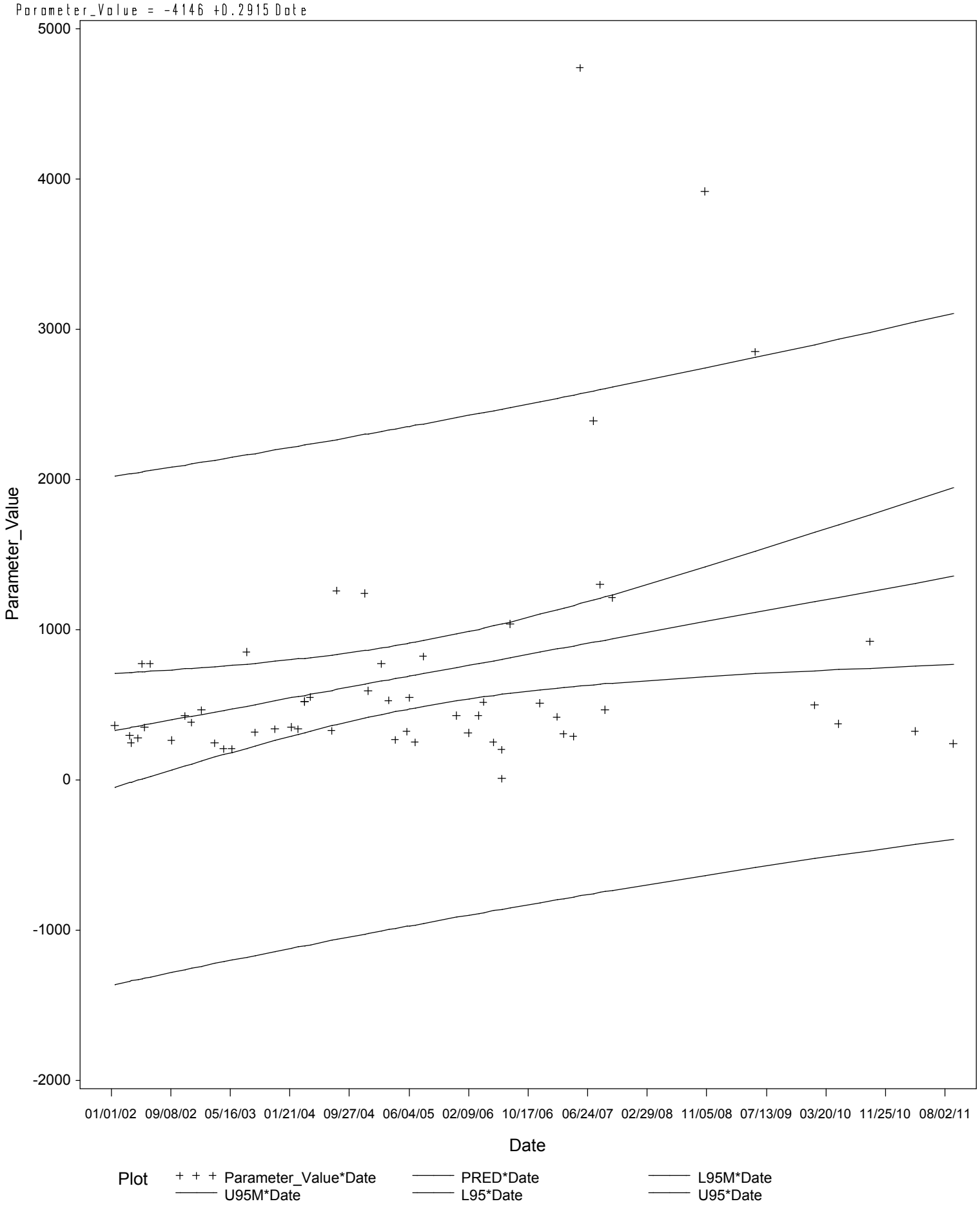
Rio Grande Above Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=17001



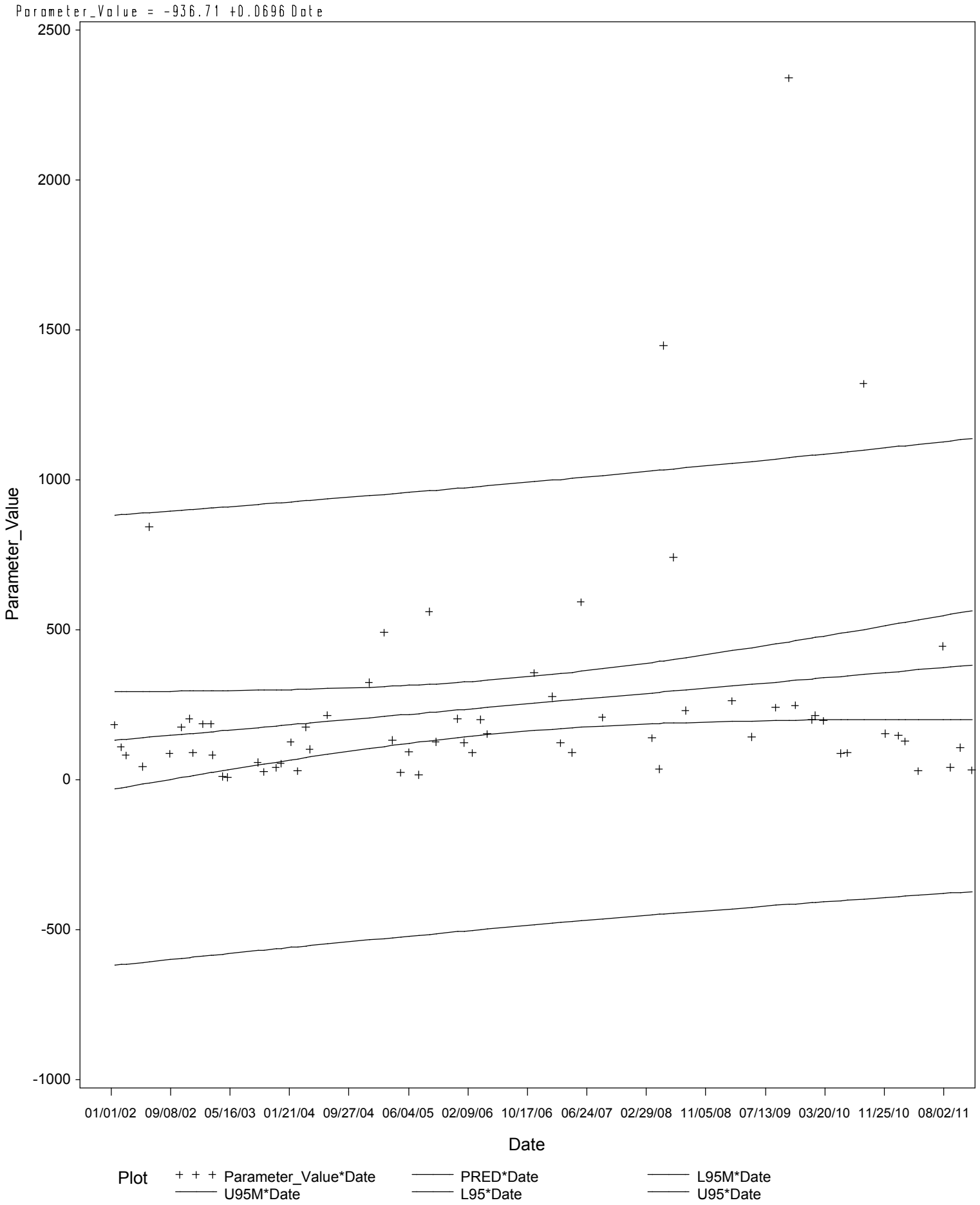
Rio Grande Above Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13223



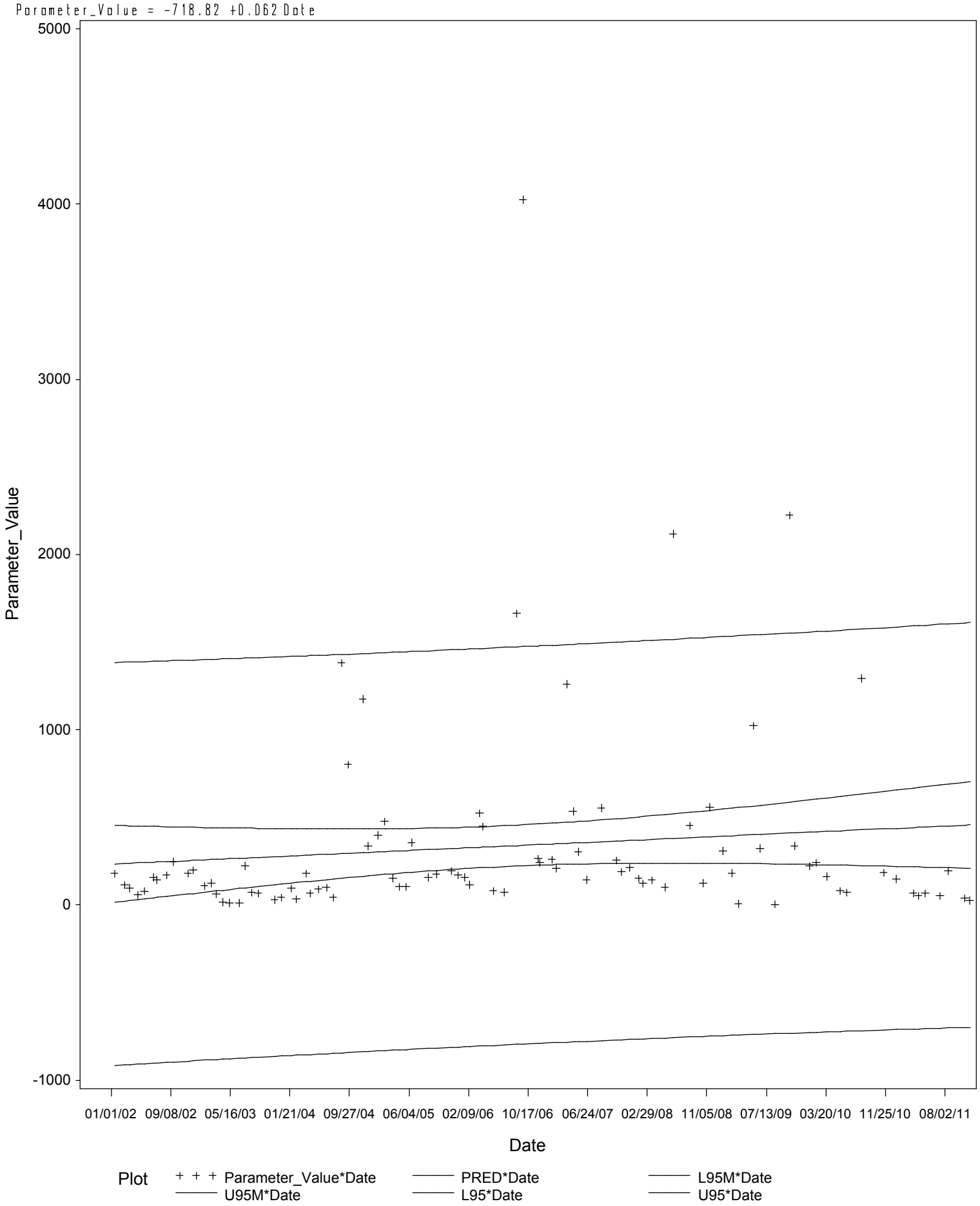
Rio Grande Above Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13228



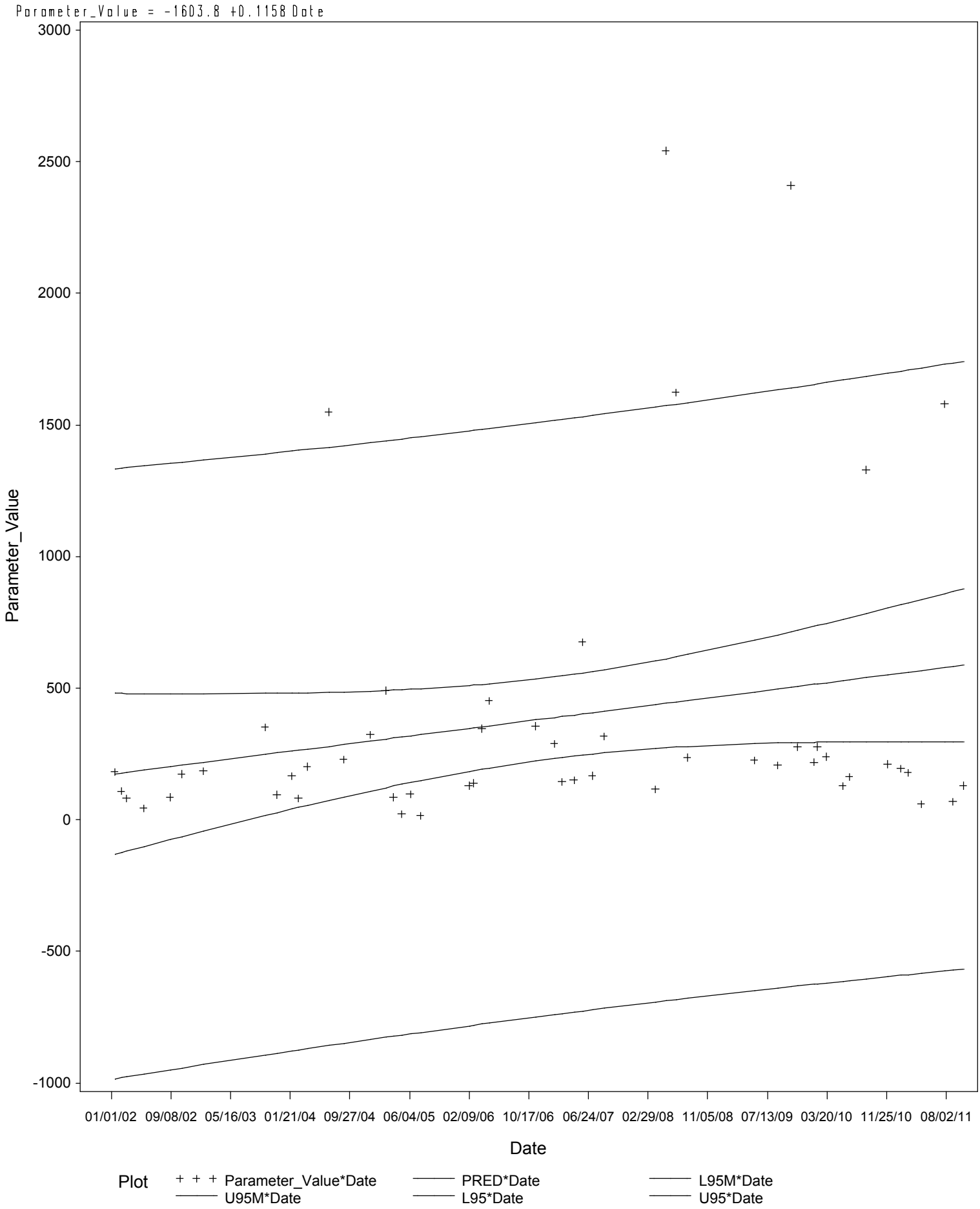
Rio Grande Above Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13229



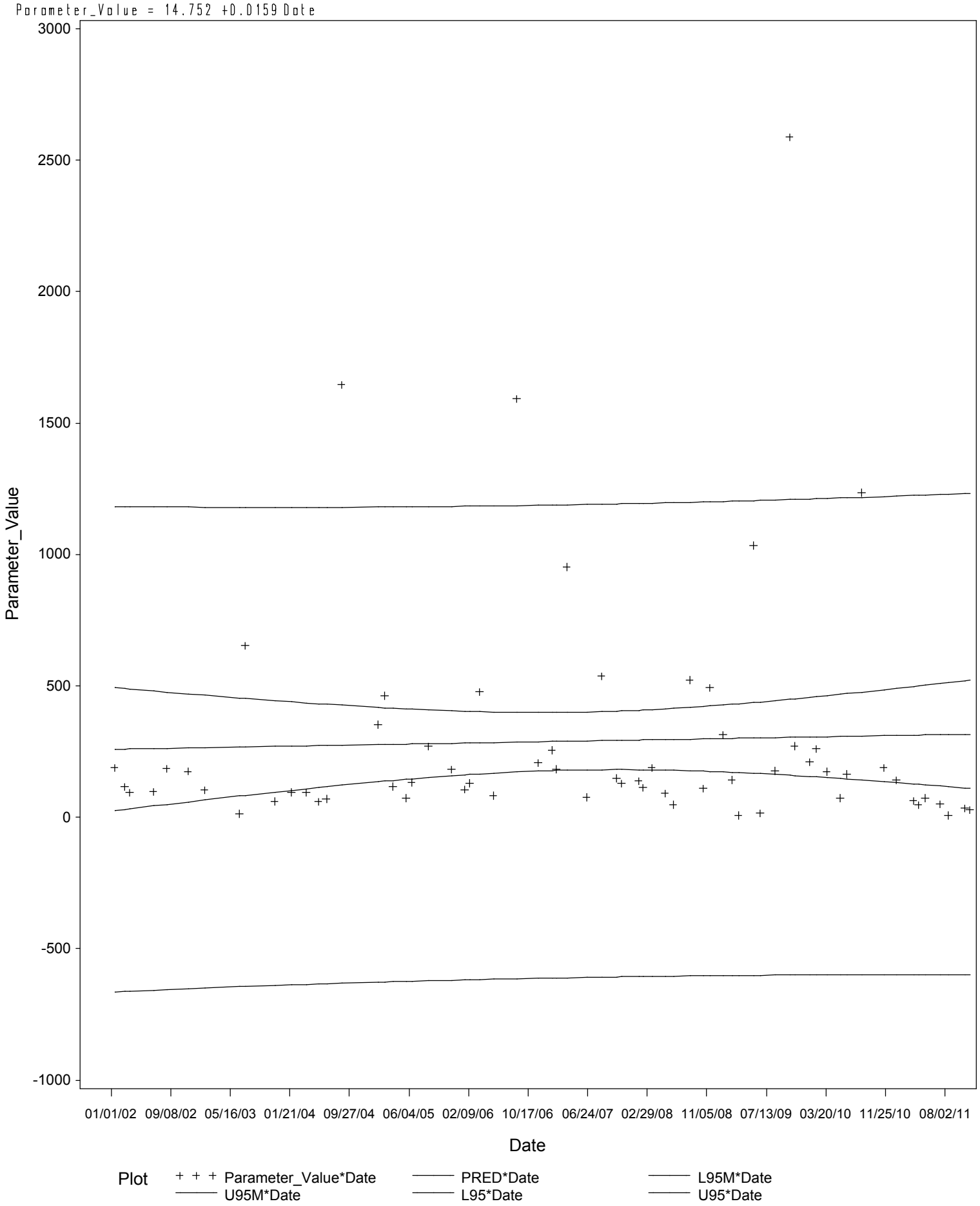
Rio Grande Above Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=16730



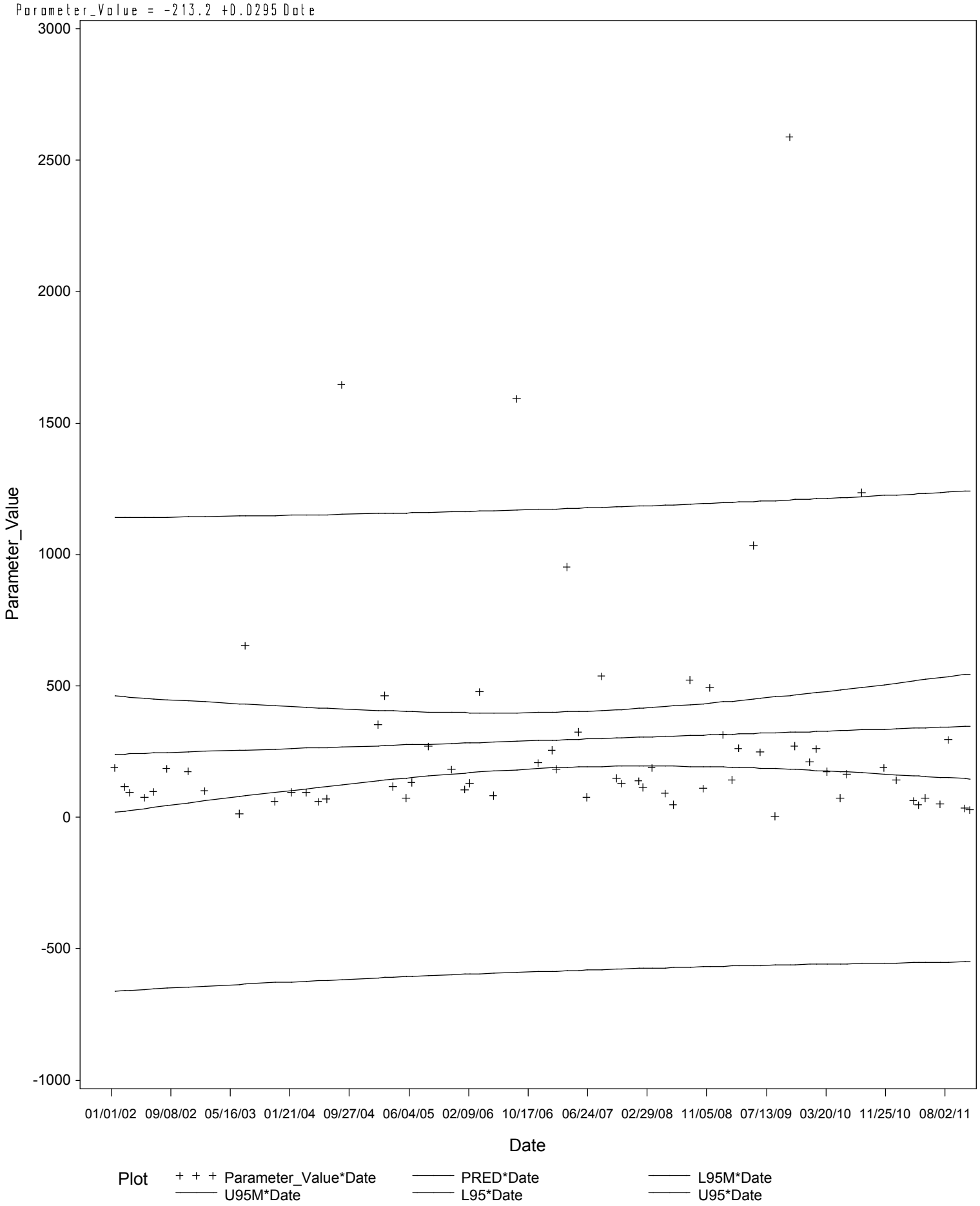
Rio Grande Above Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=17000



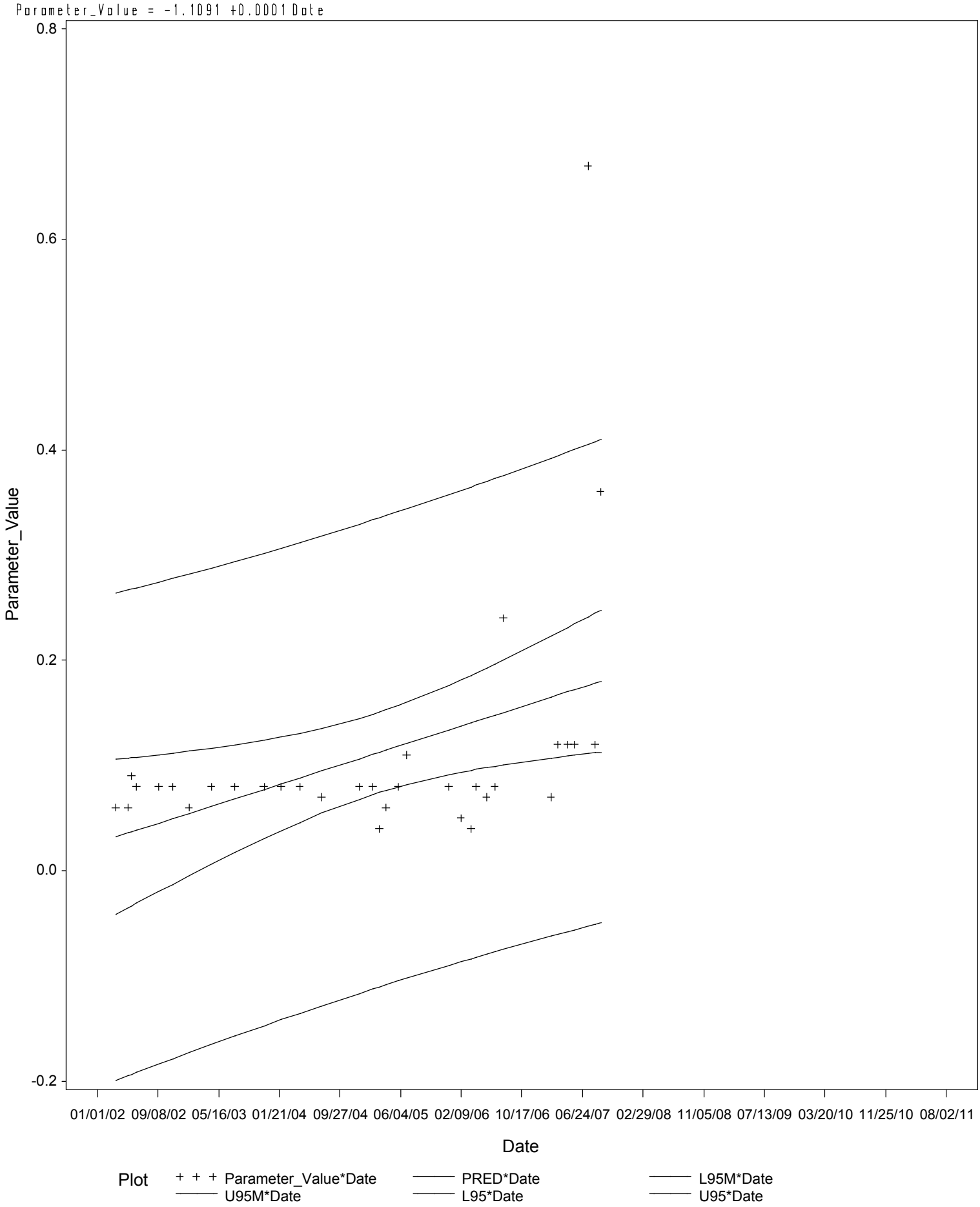
Rio Grande Above Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=17001



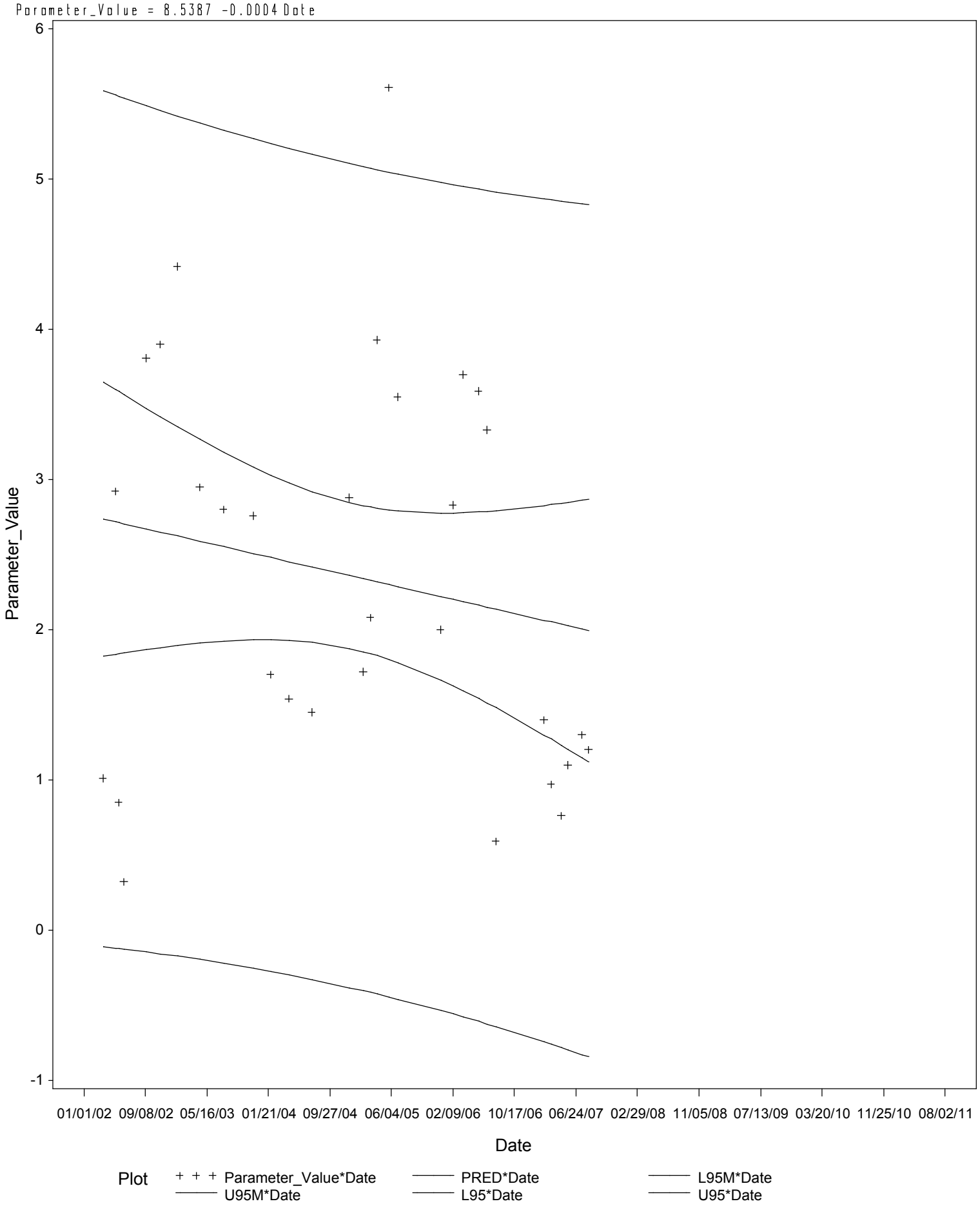
Rio Grande Above Amistad Reservoir

Parameter=LEAD, DISSOLVED (UG/L AS PB) Station=13223



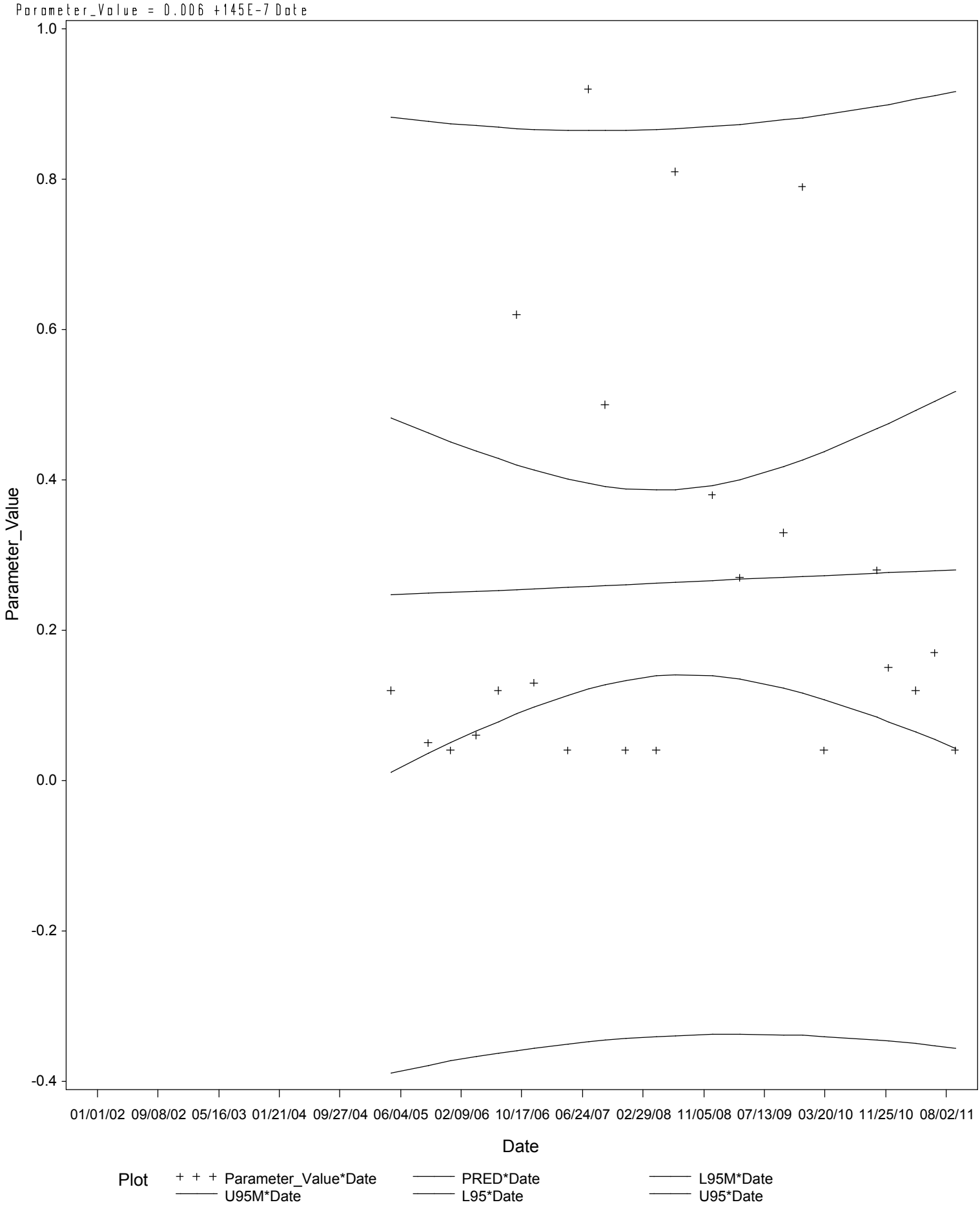
Rio Grande Above Amistad Reservoir

Parameter=NICKEL, DISSOLVED (UG/L AS NI) Station=13223



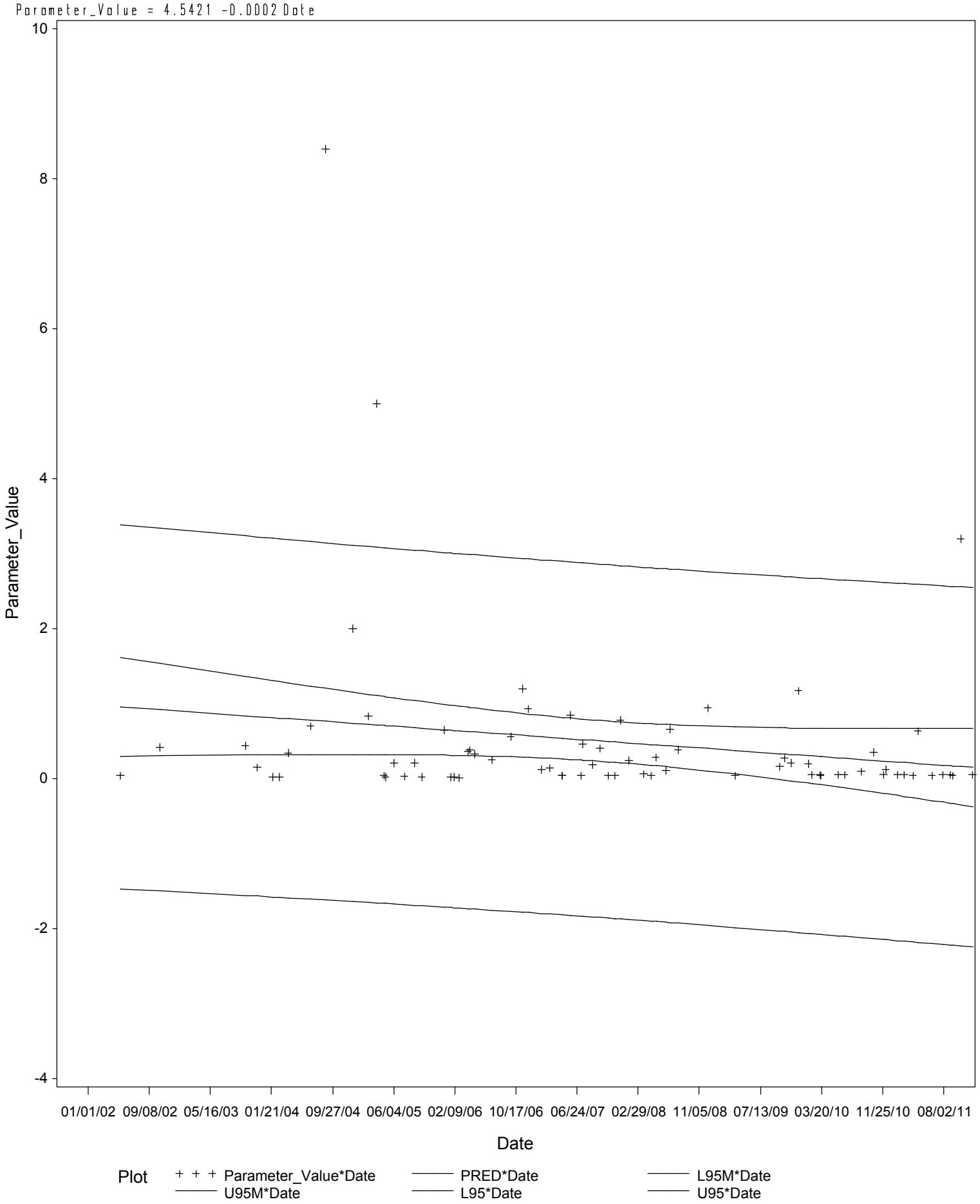
Rio Grande Above Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13225



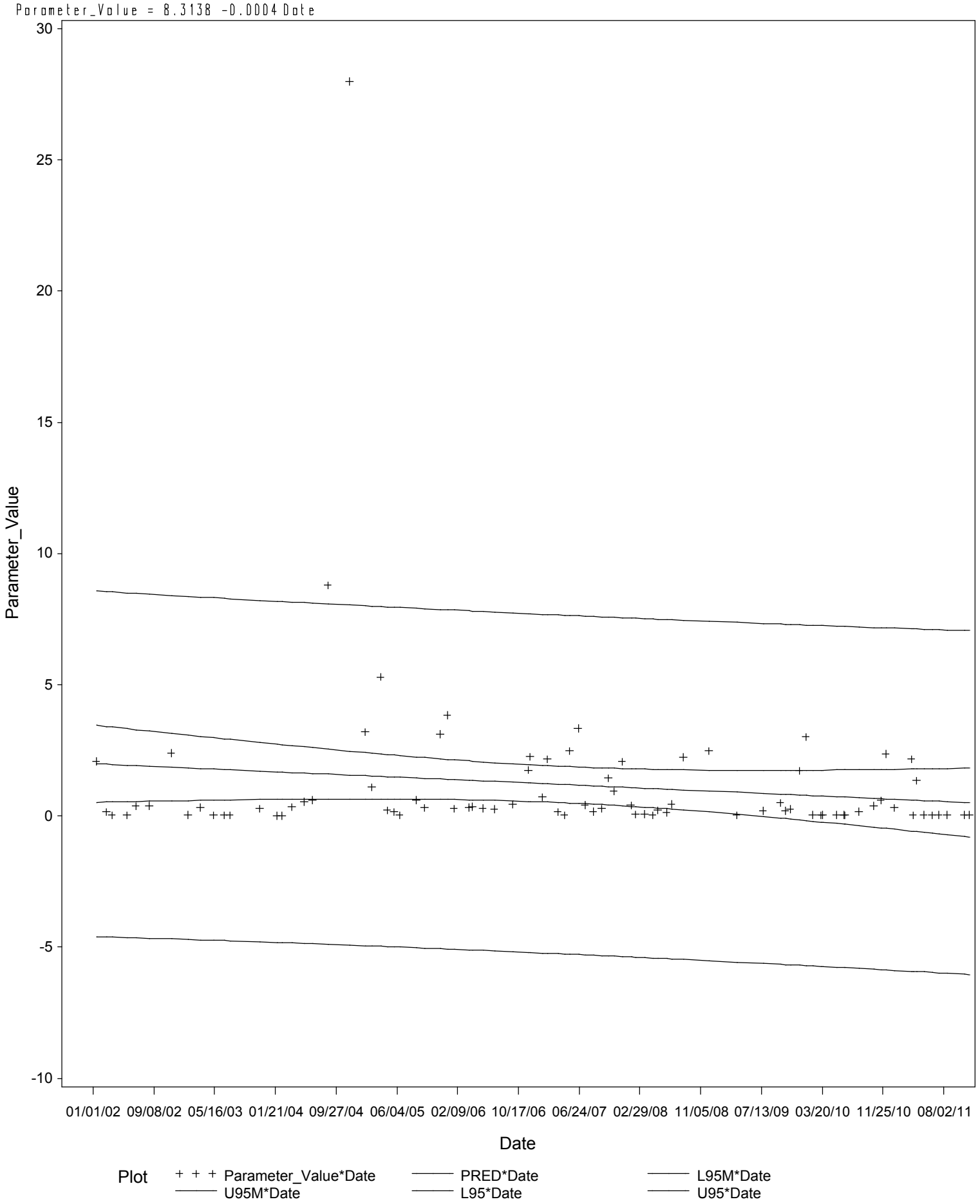
Rio Grande Above Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13228



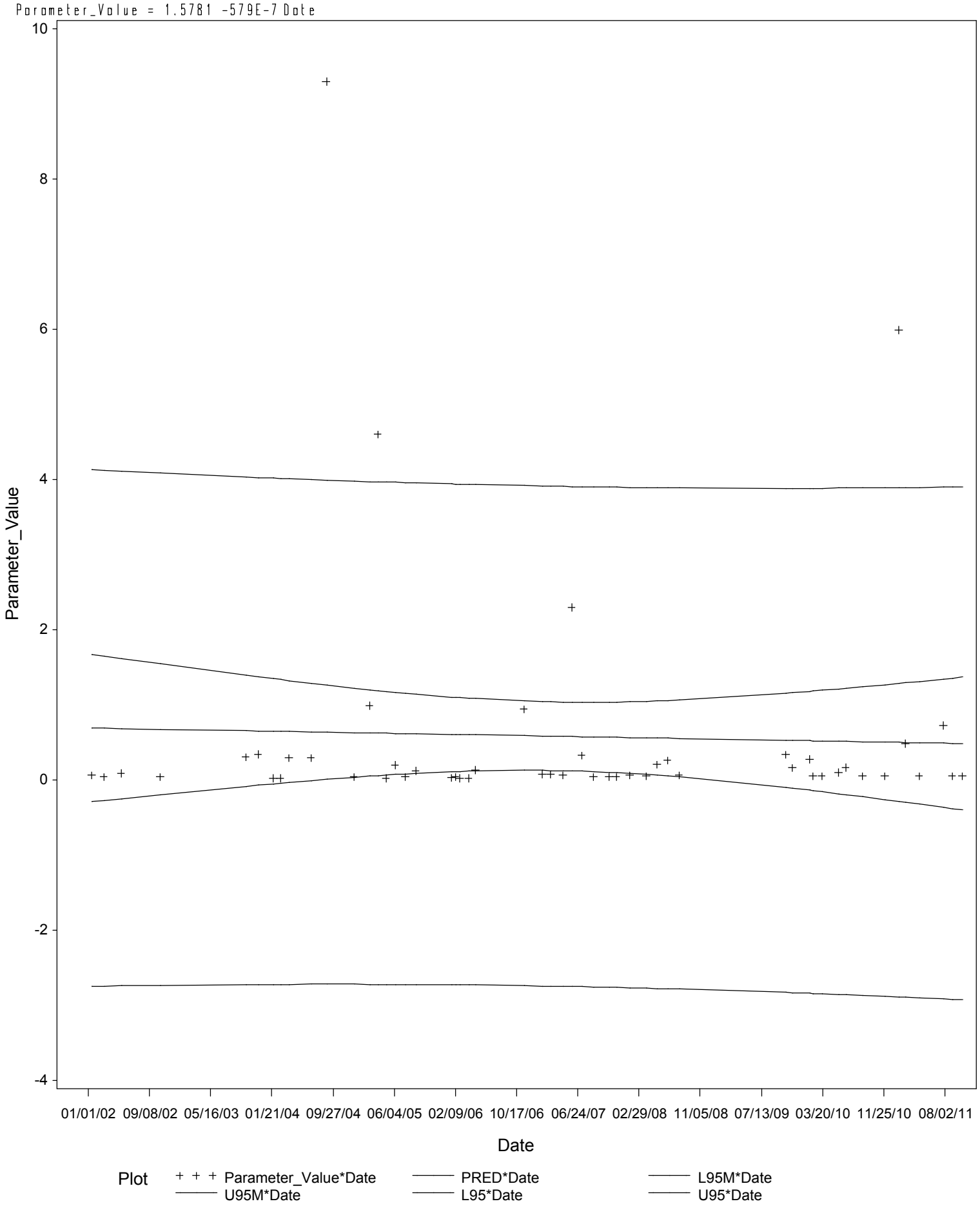
Rio Grande Above Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13229



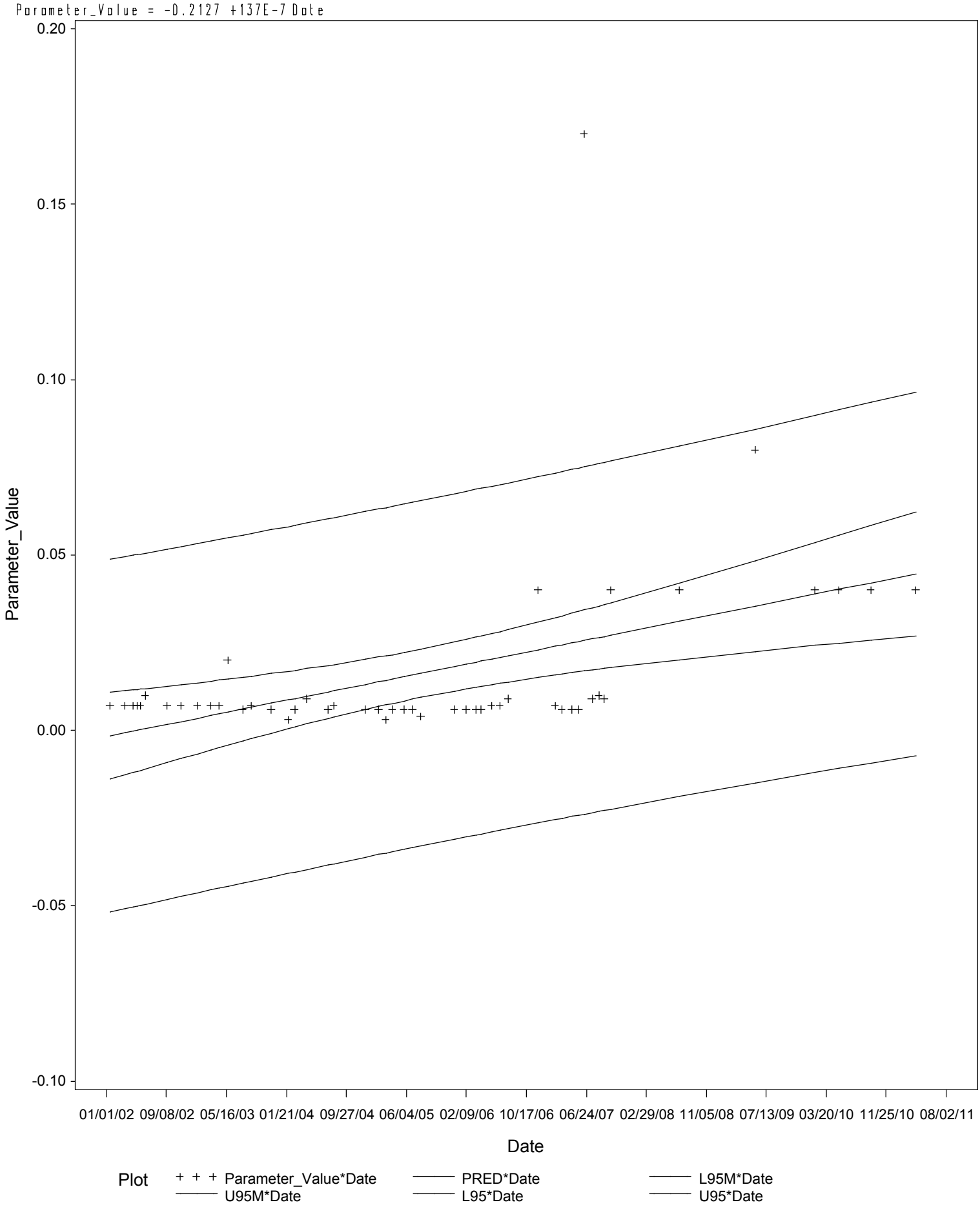
Rio Grande Above Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=16730



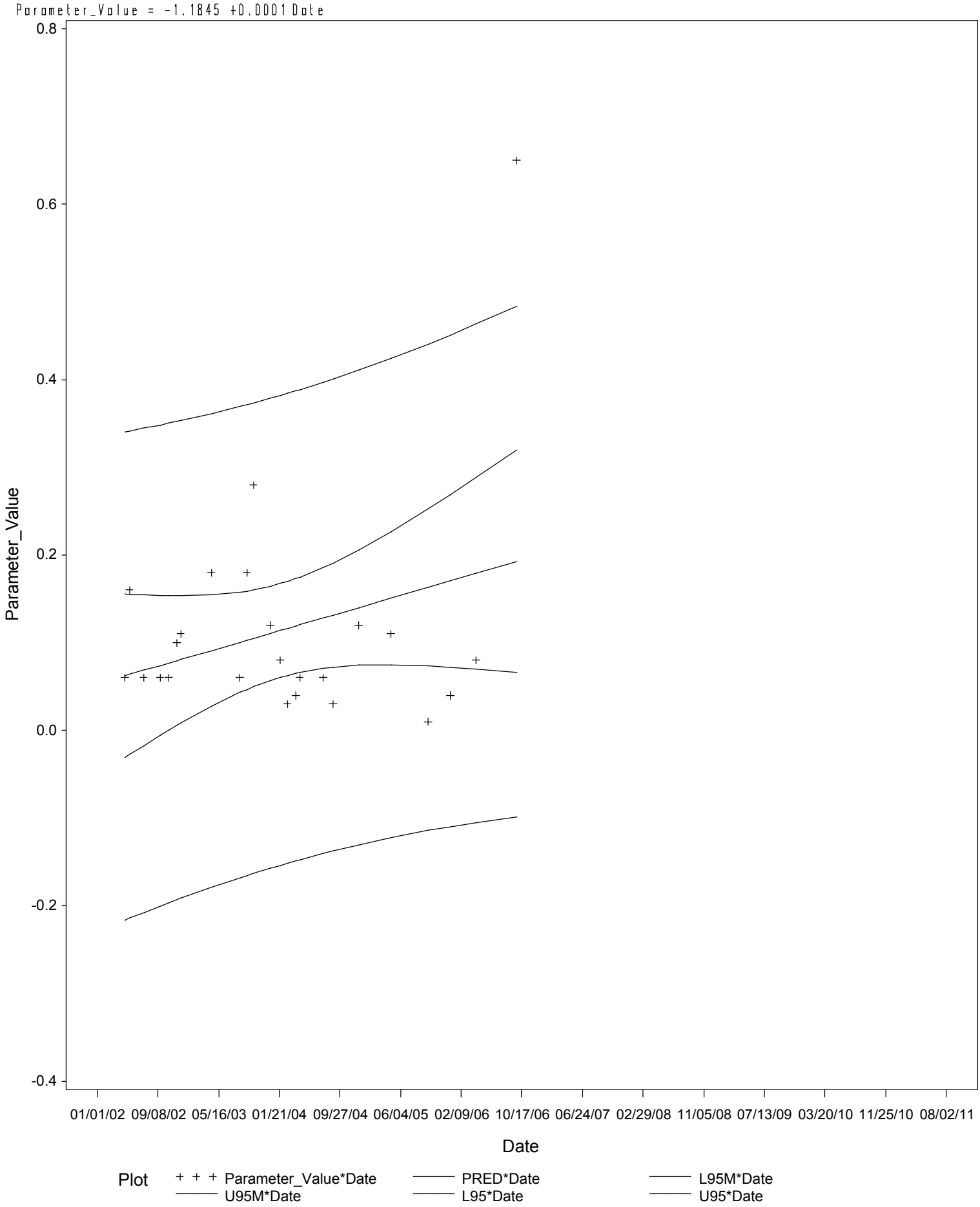
Rio Grande Above Amistad Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13223



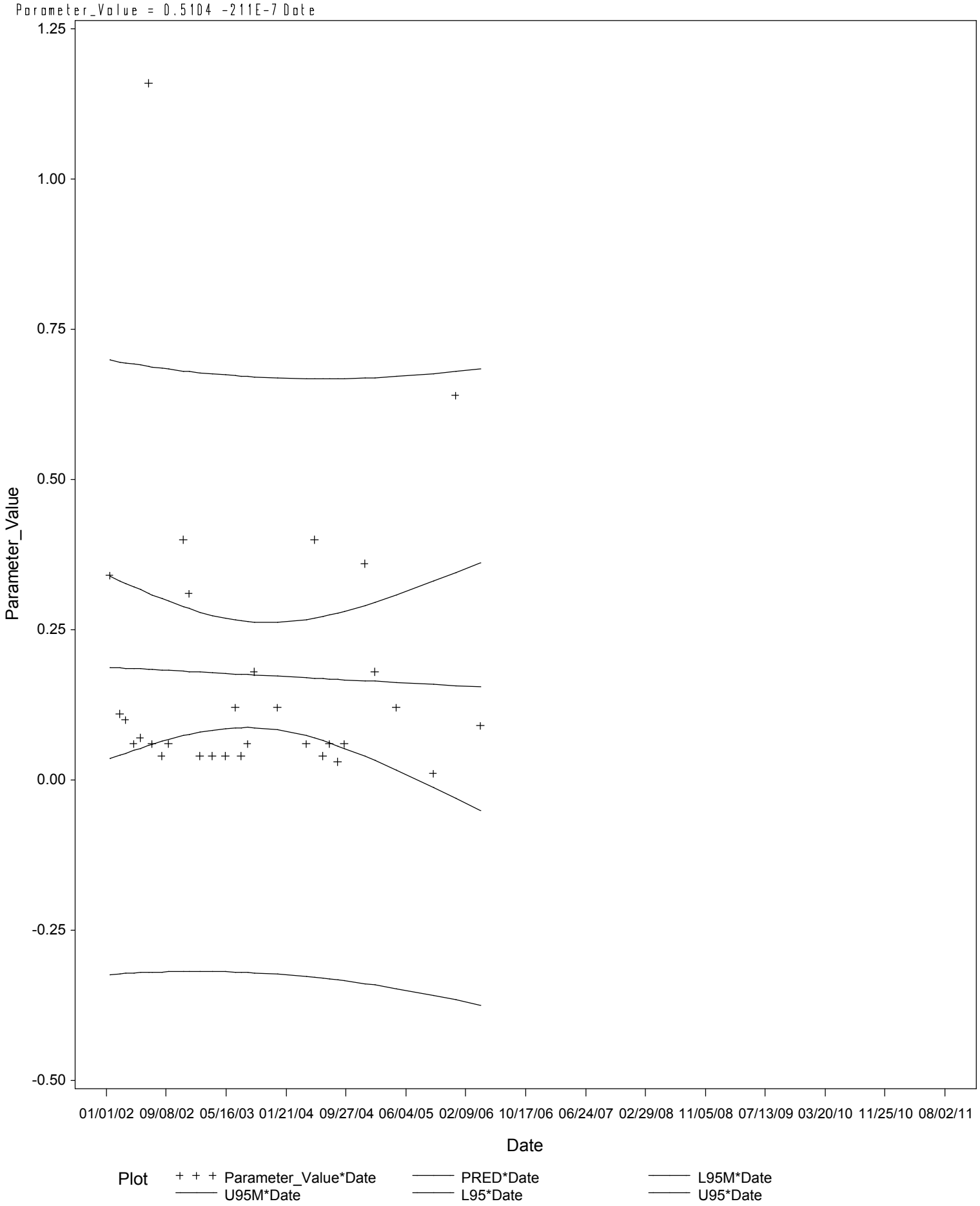
Rio Grande Above Amistad Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13228



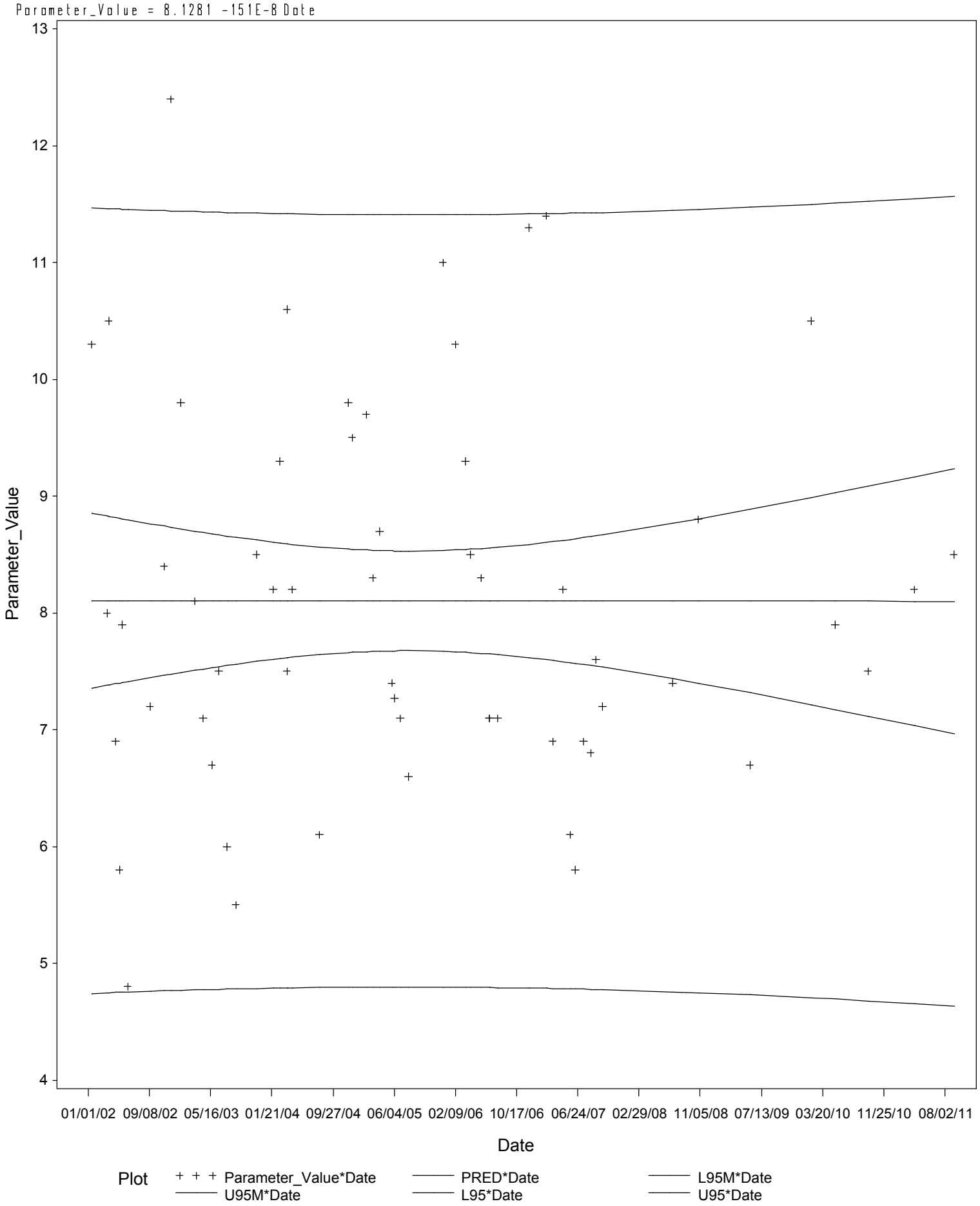
Rio Grande Above Amistad Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13229



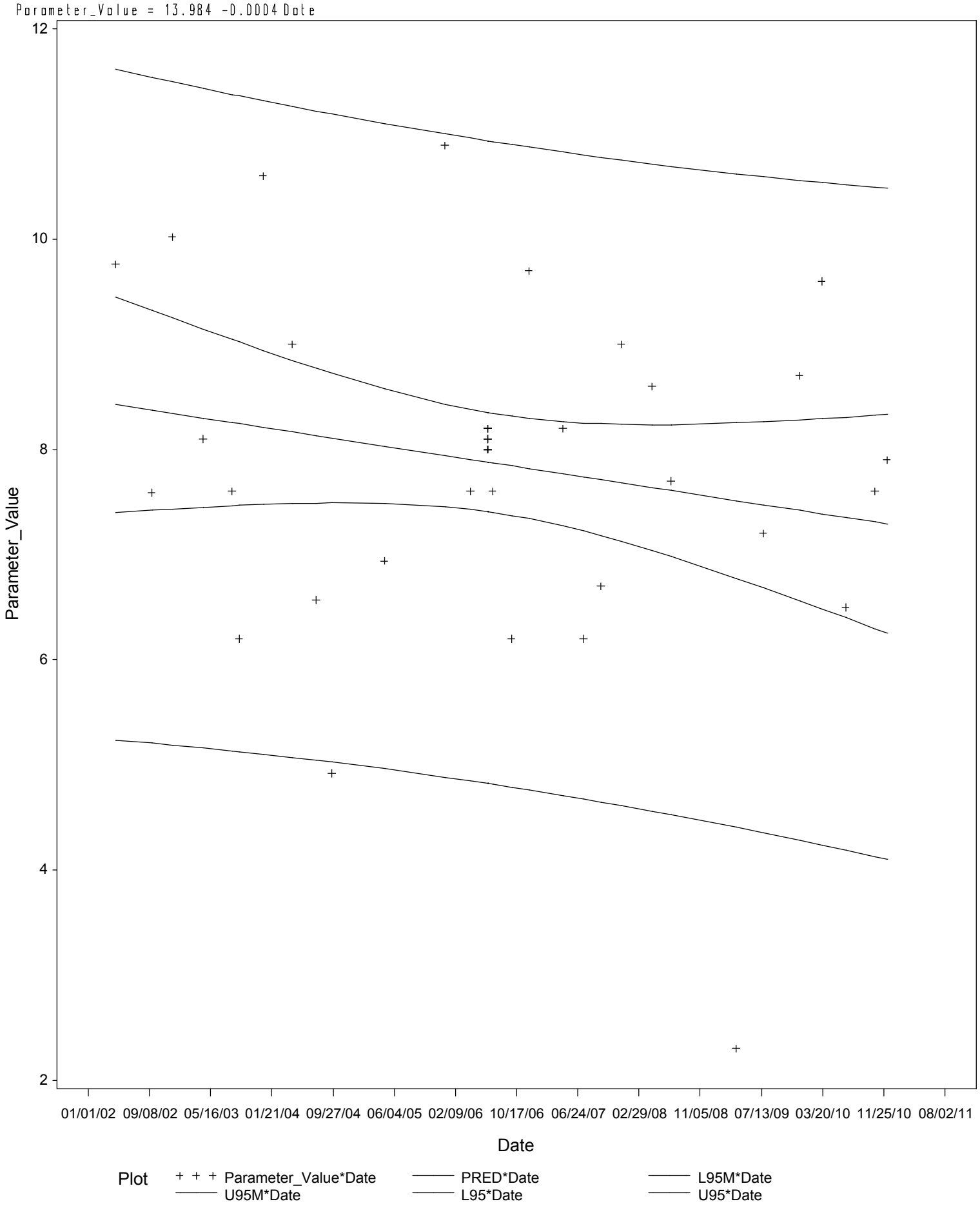
Rio Grande Above Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13223



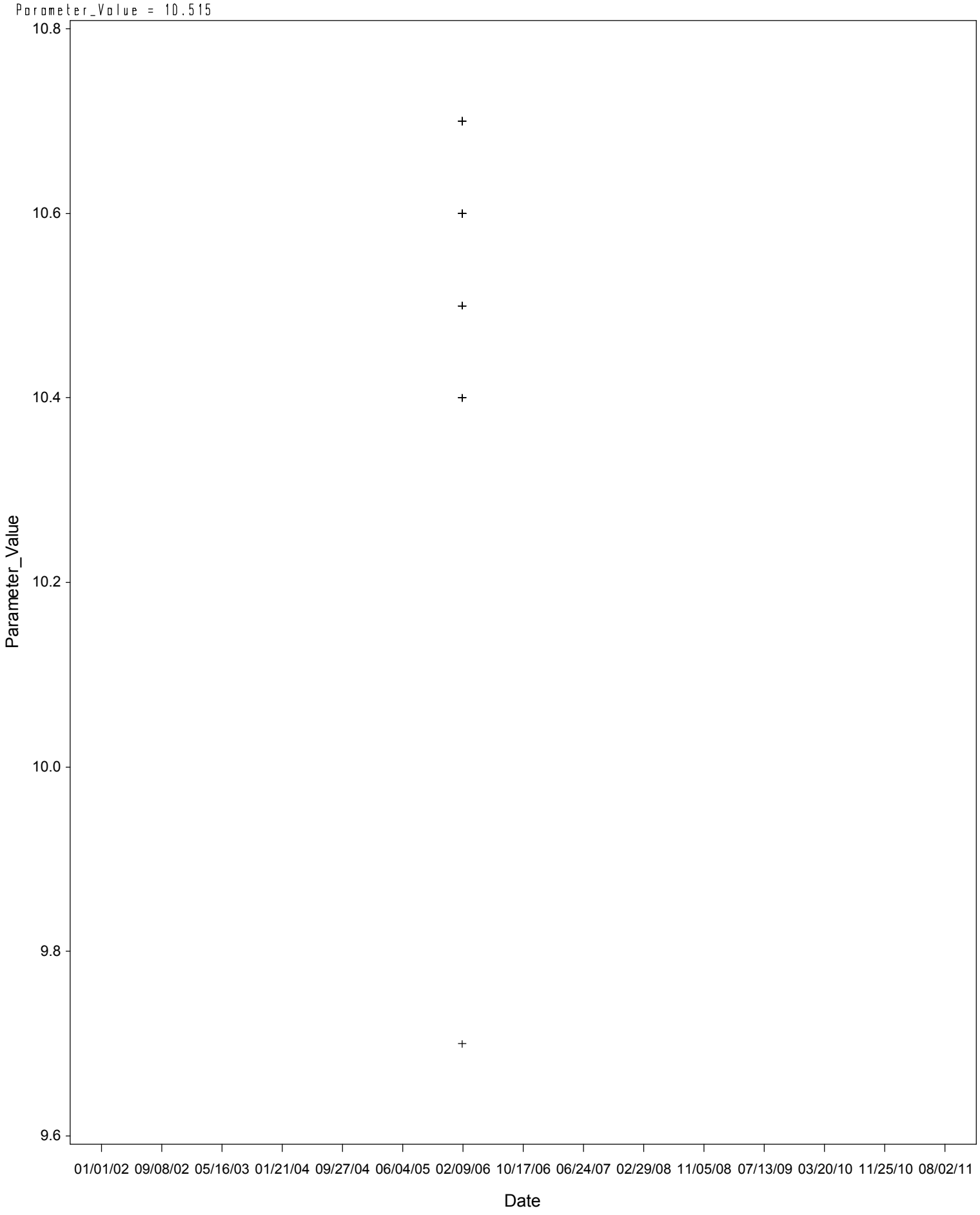
Rio Grande Above Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13225



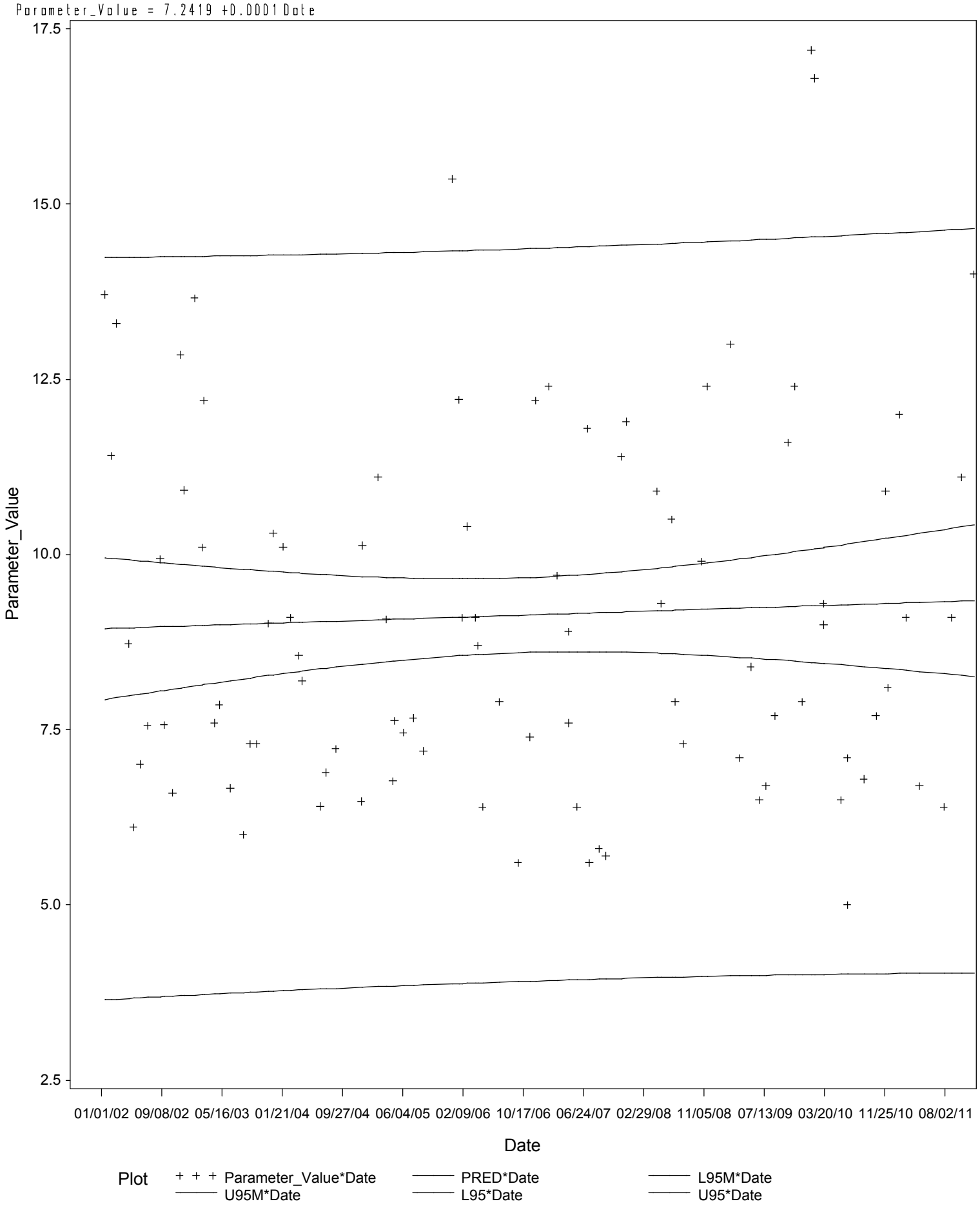
Rio Grande Above Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13227



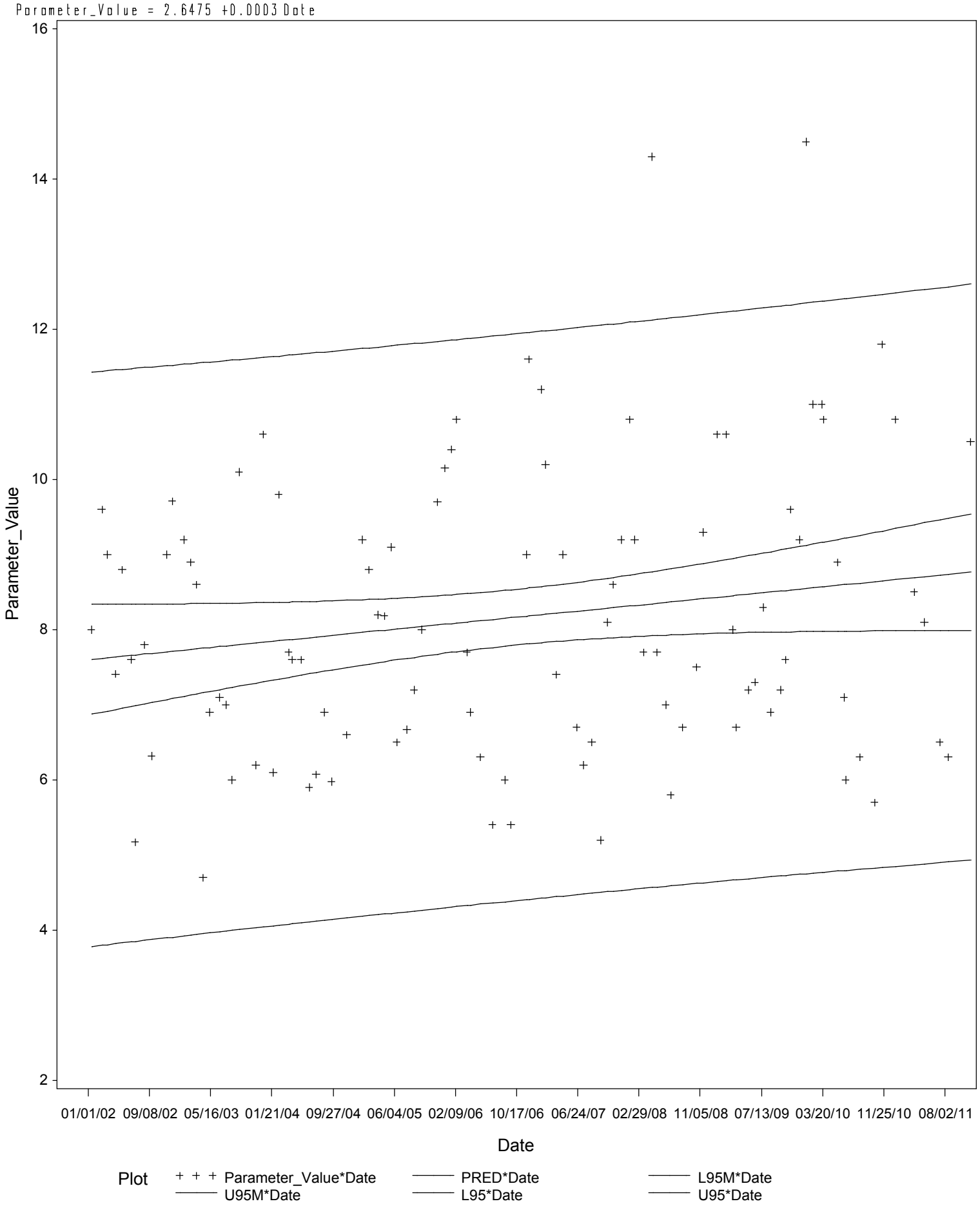
Rio Grande Above Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13228



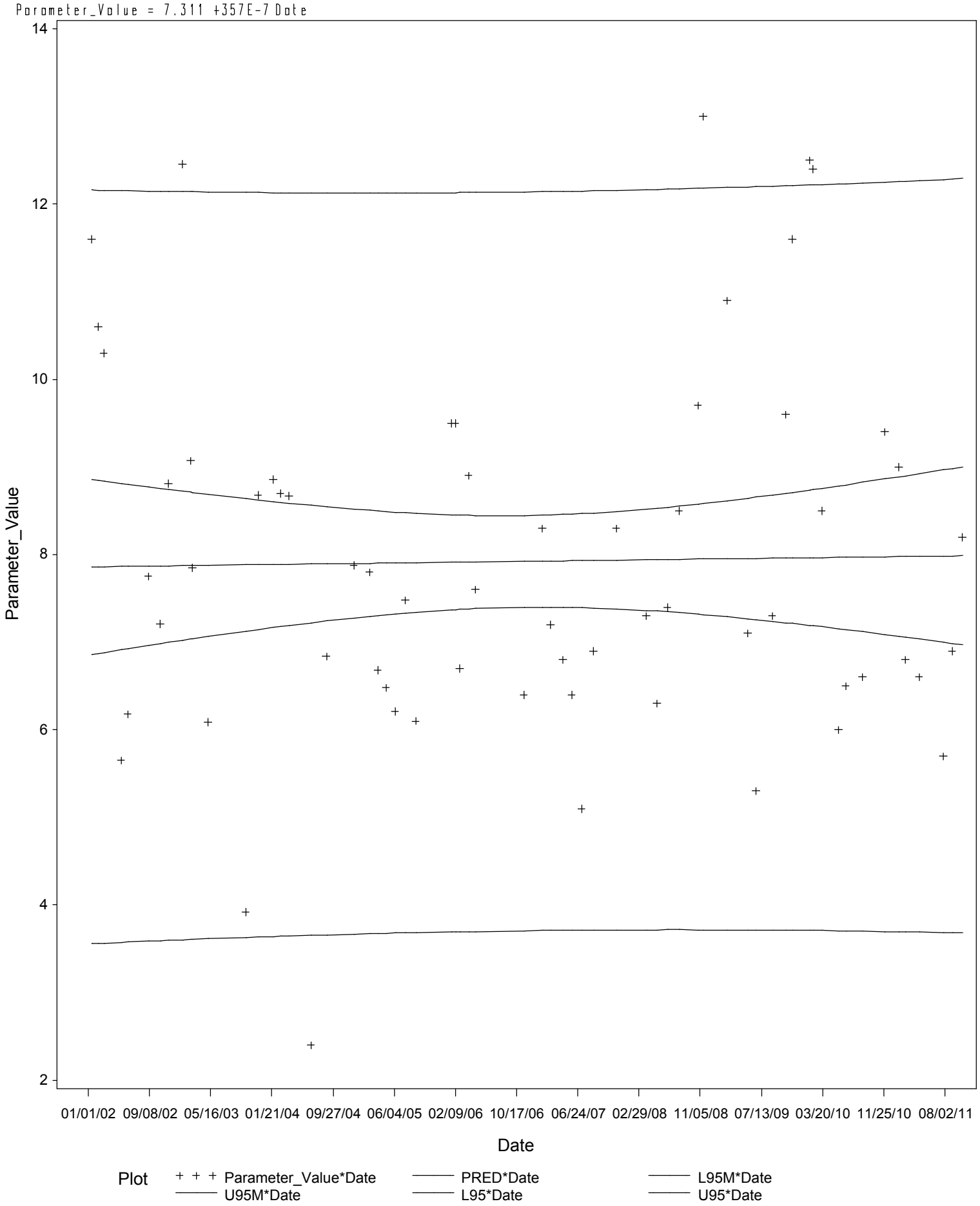
Rio Grande Above Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13229



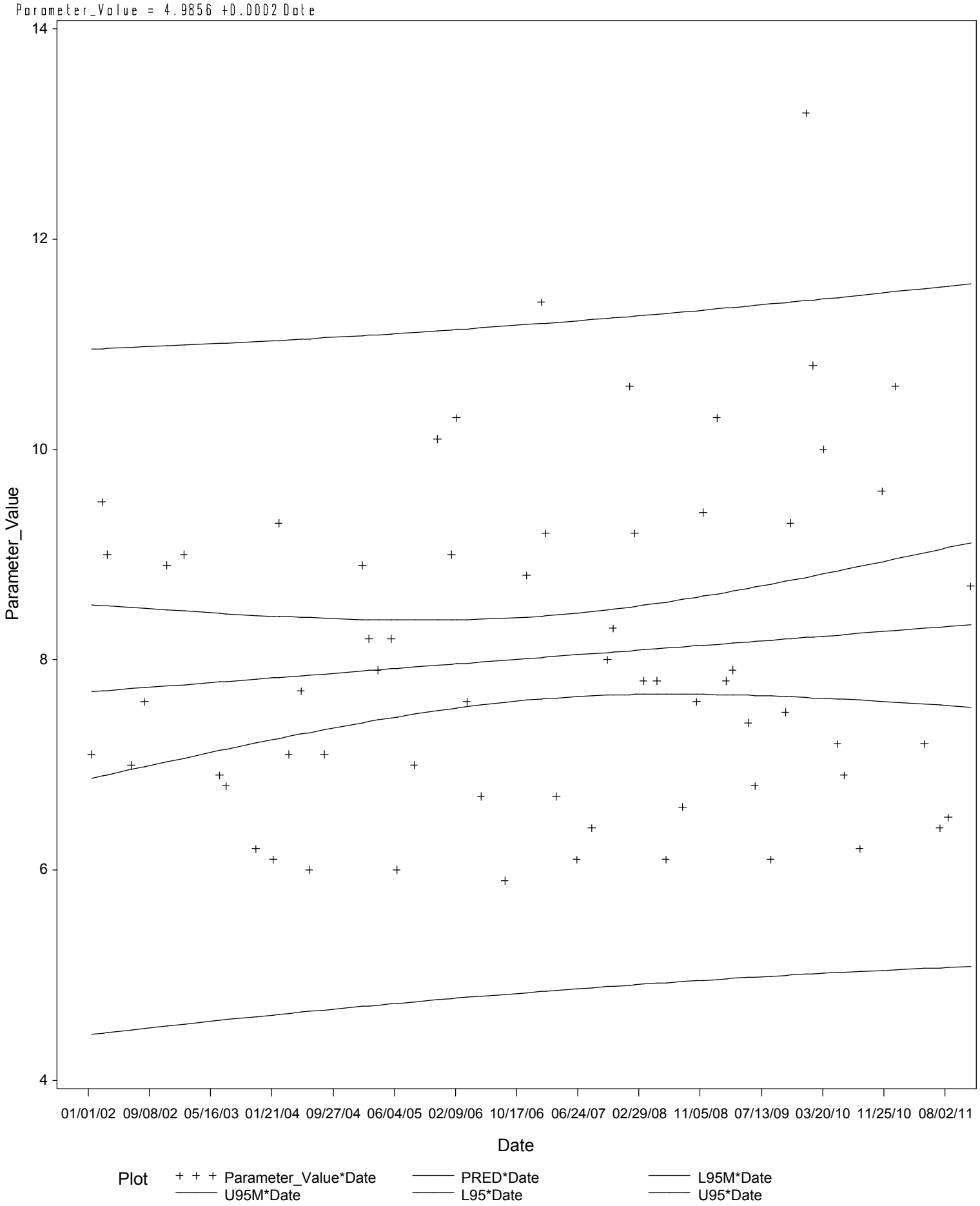
Rio Grande Above Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=16730



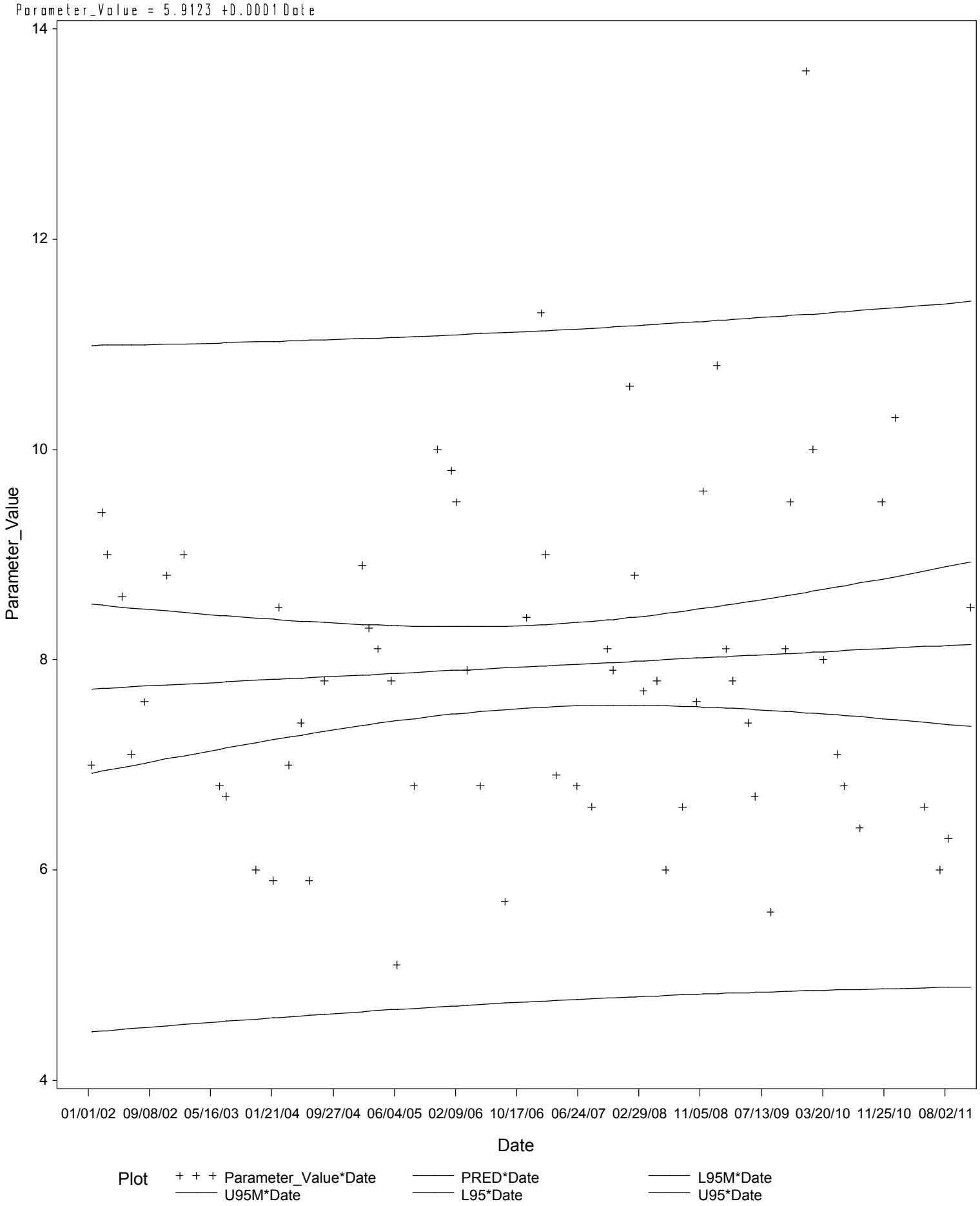
Rio Grande Above Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=17000



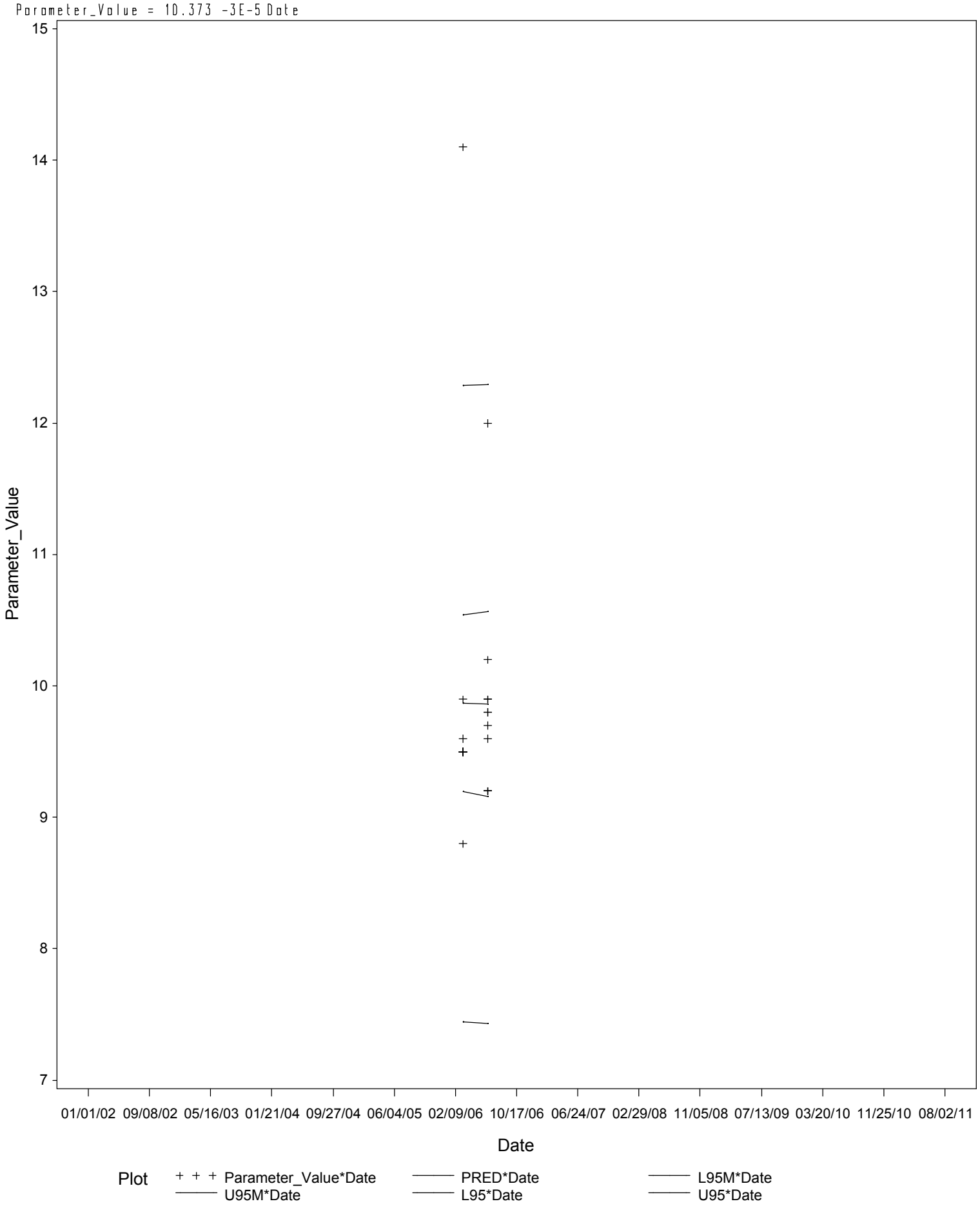
Rio Grande Above Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=17001



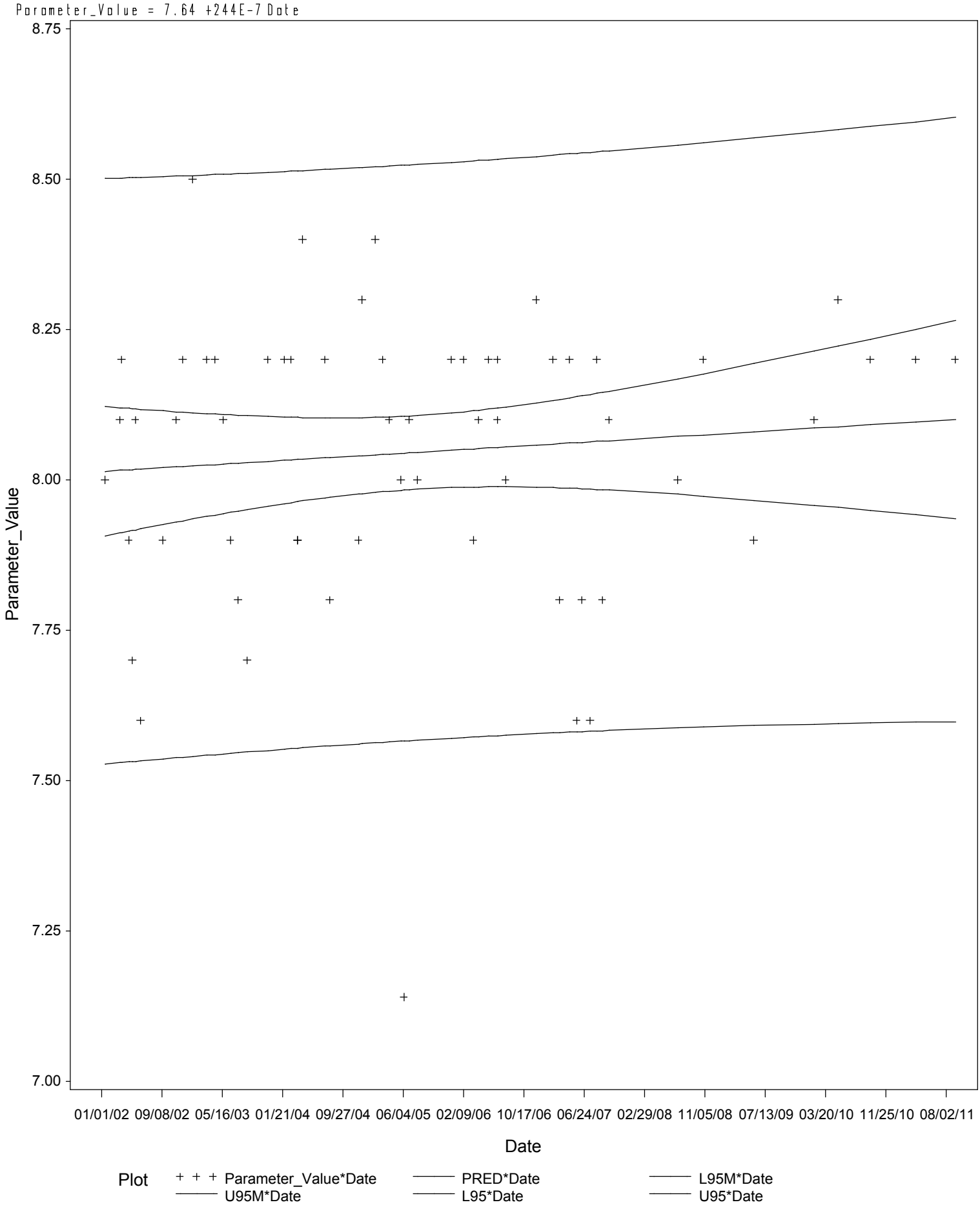
Rio Grande Above Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=20623



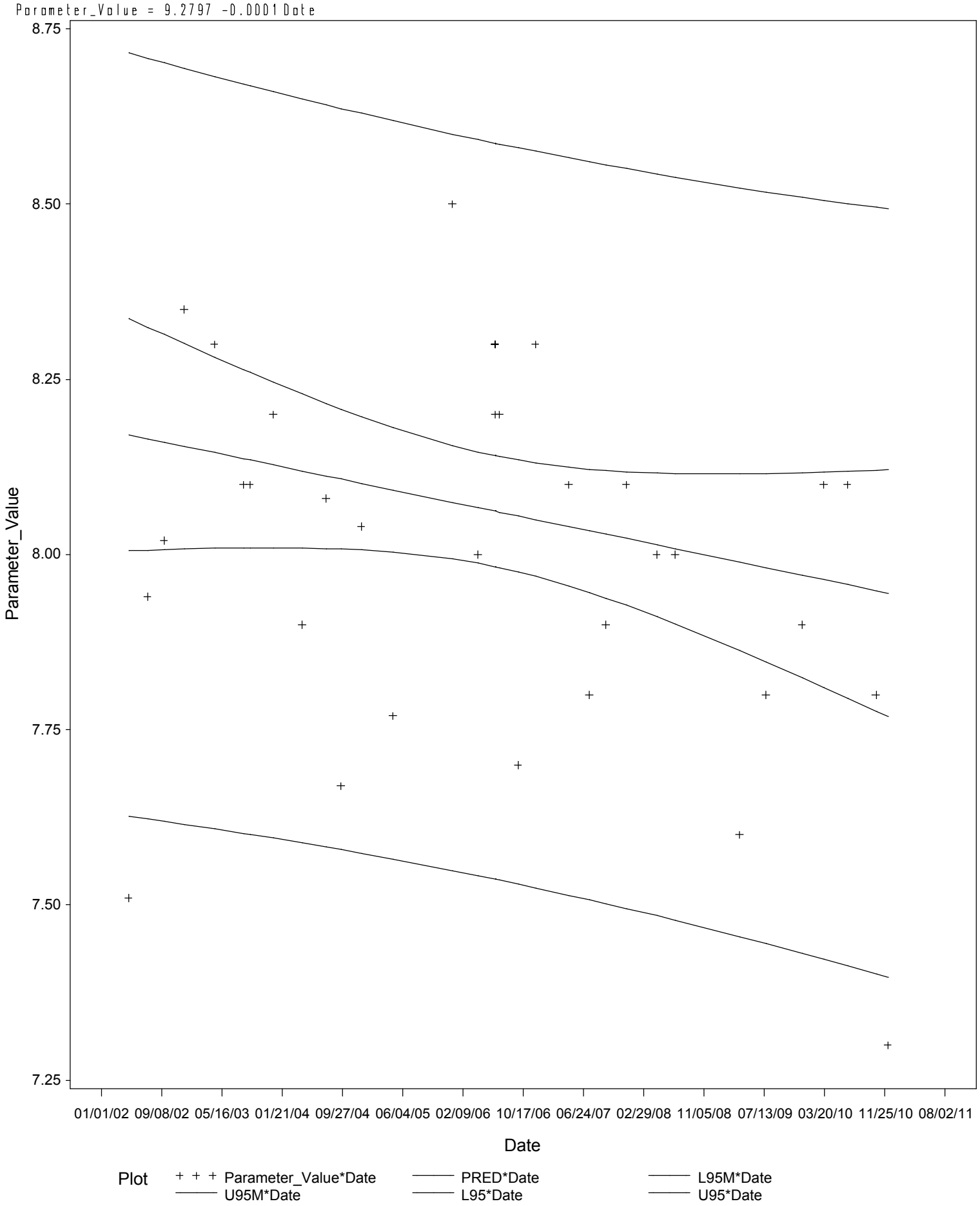
Rio Grande Above Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=13223



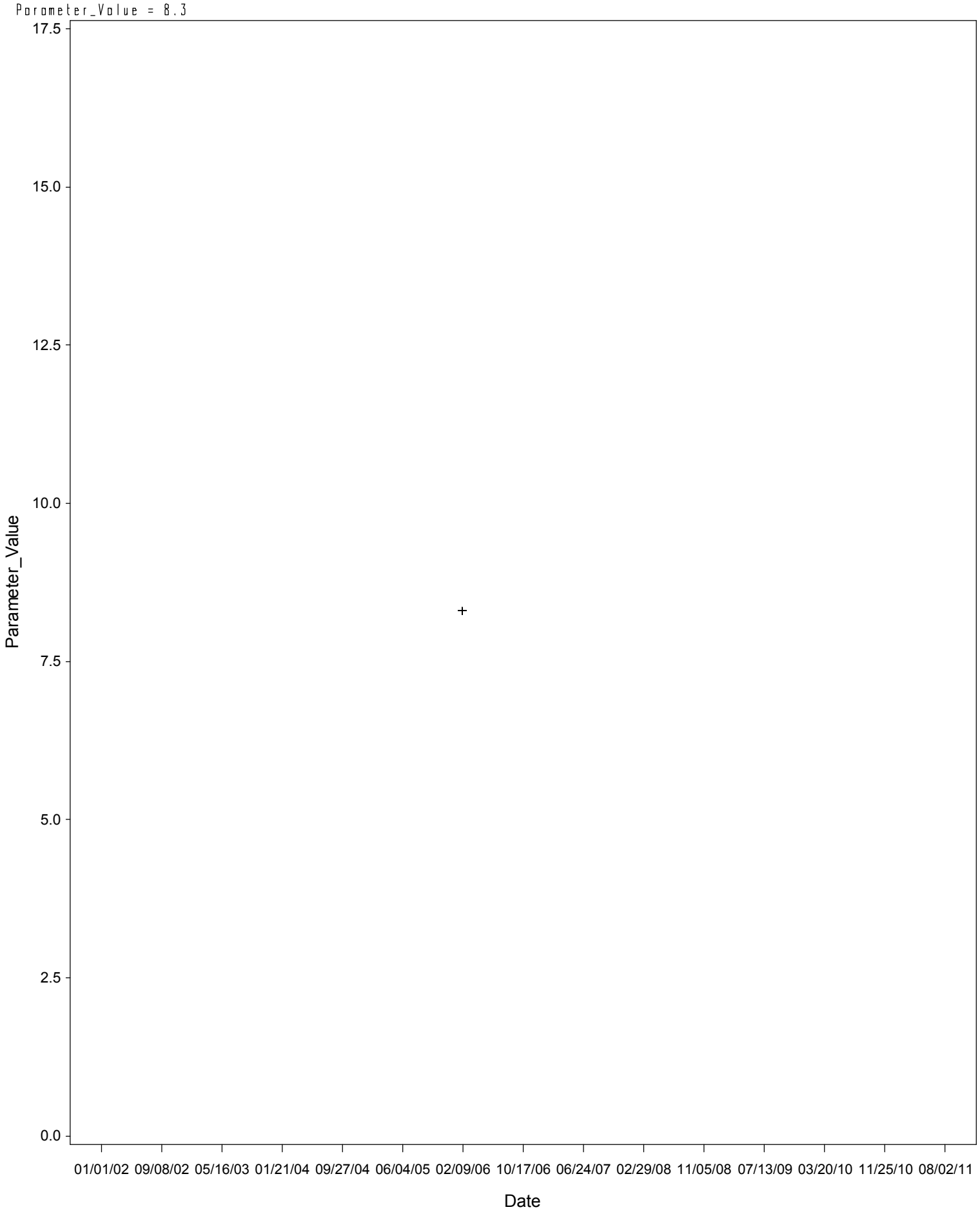
Rio Grande Above Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=13225



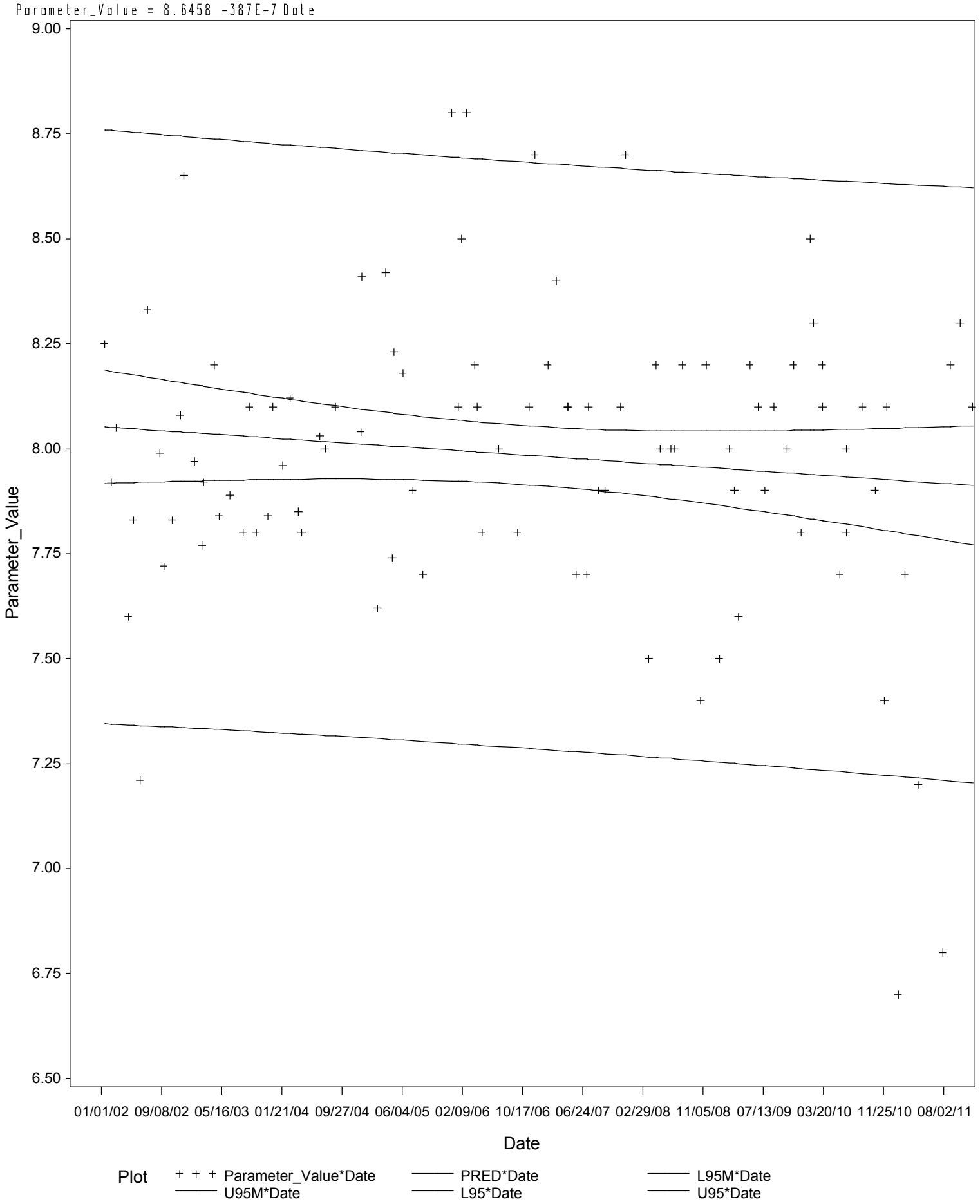
Rio Grande Above Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=13227



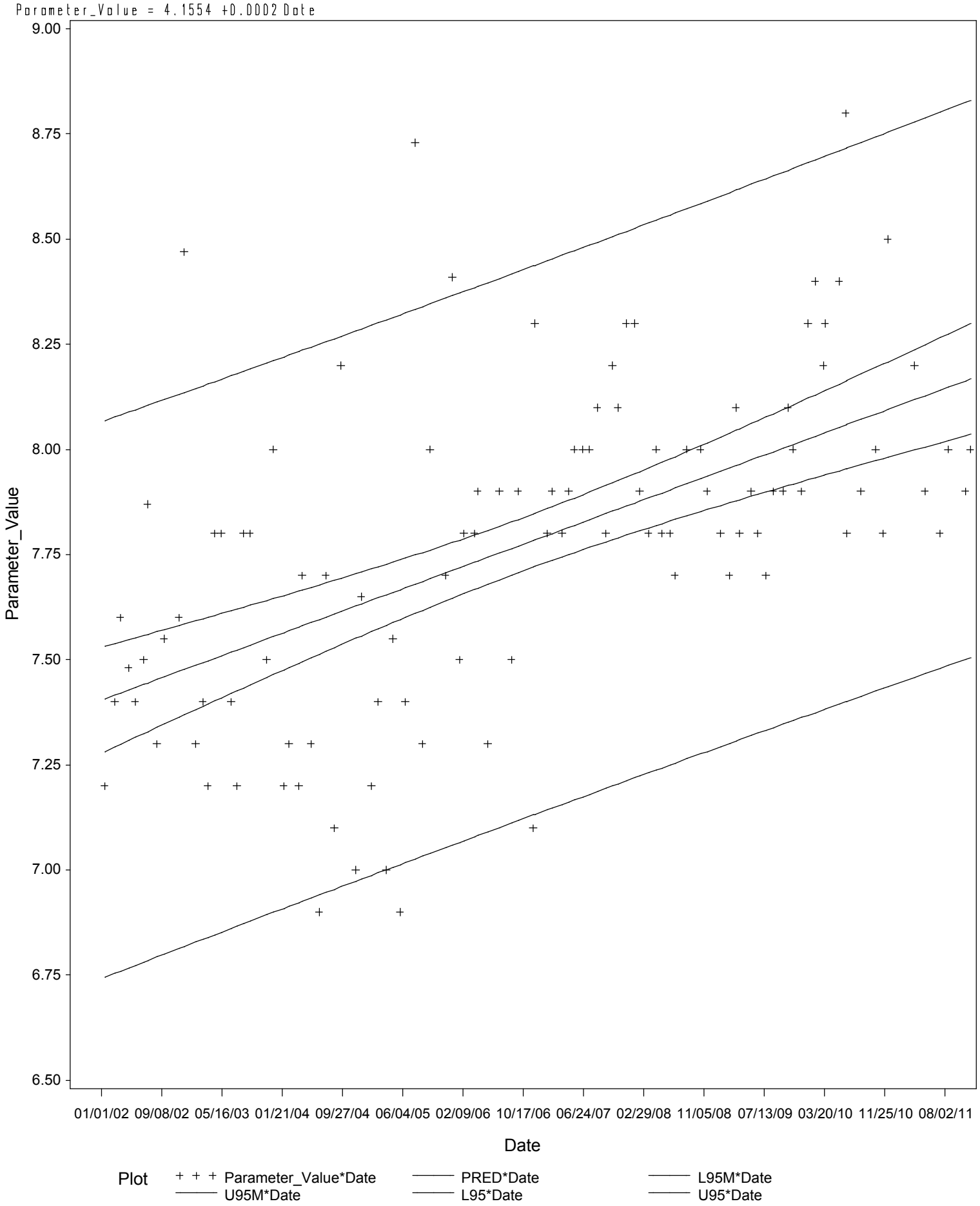
Rio Grande Above Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=13228



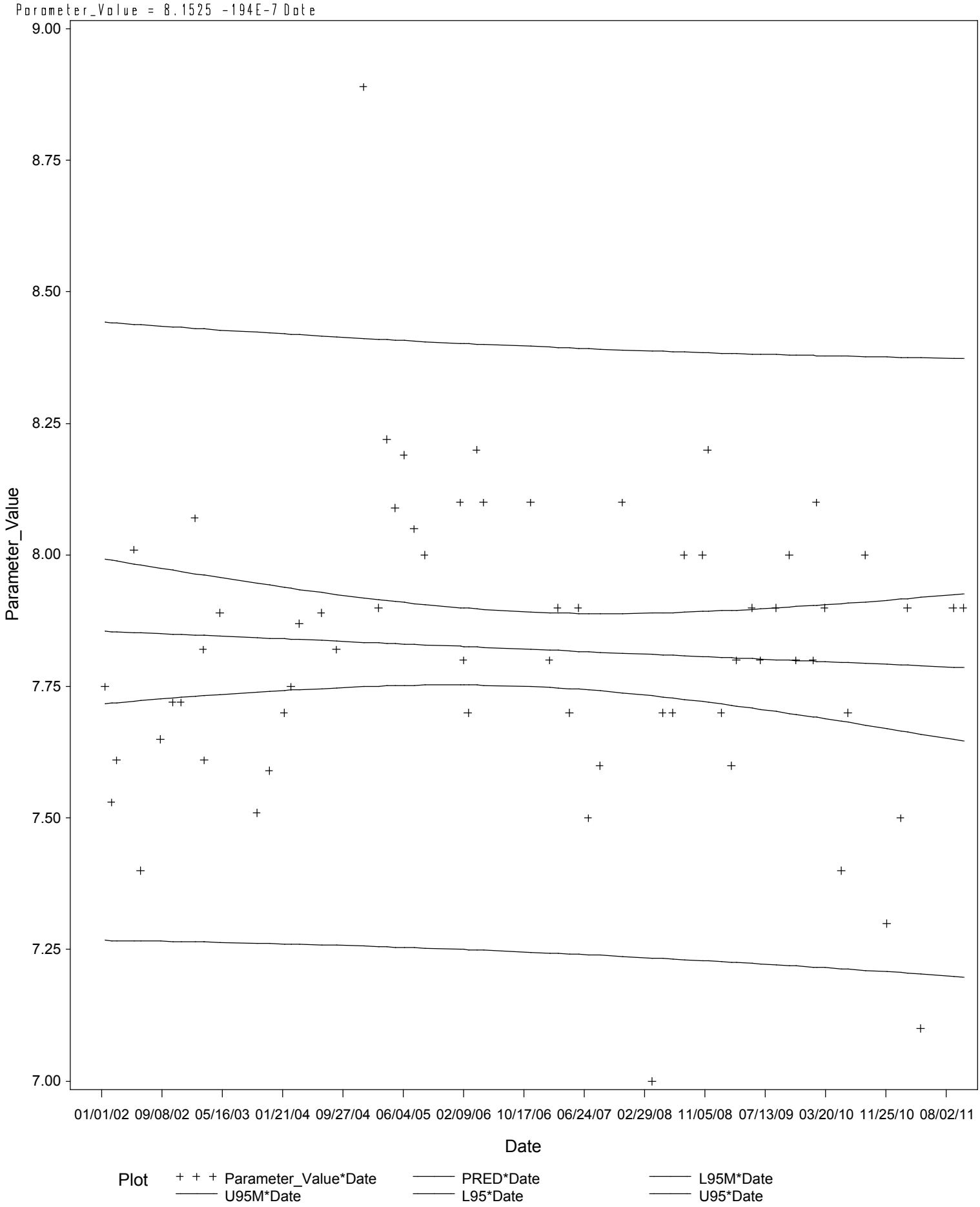
Rio Grande Above Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=13229



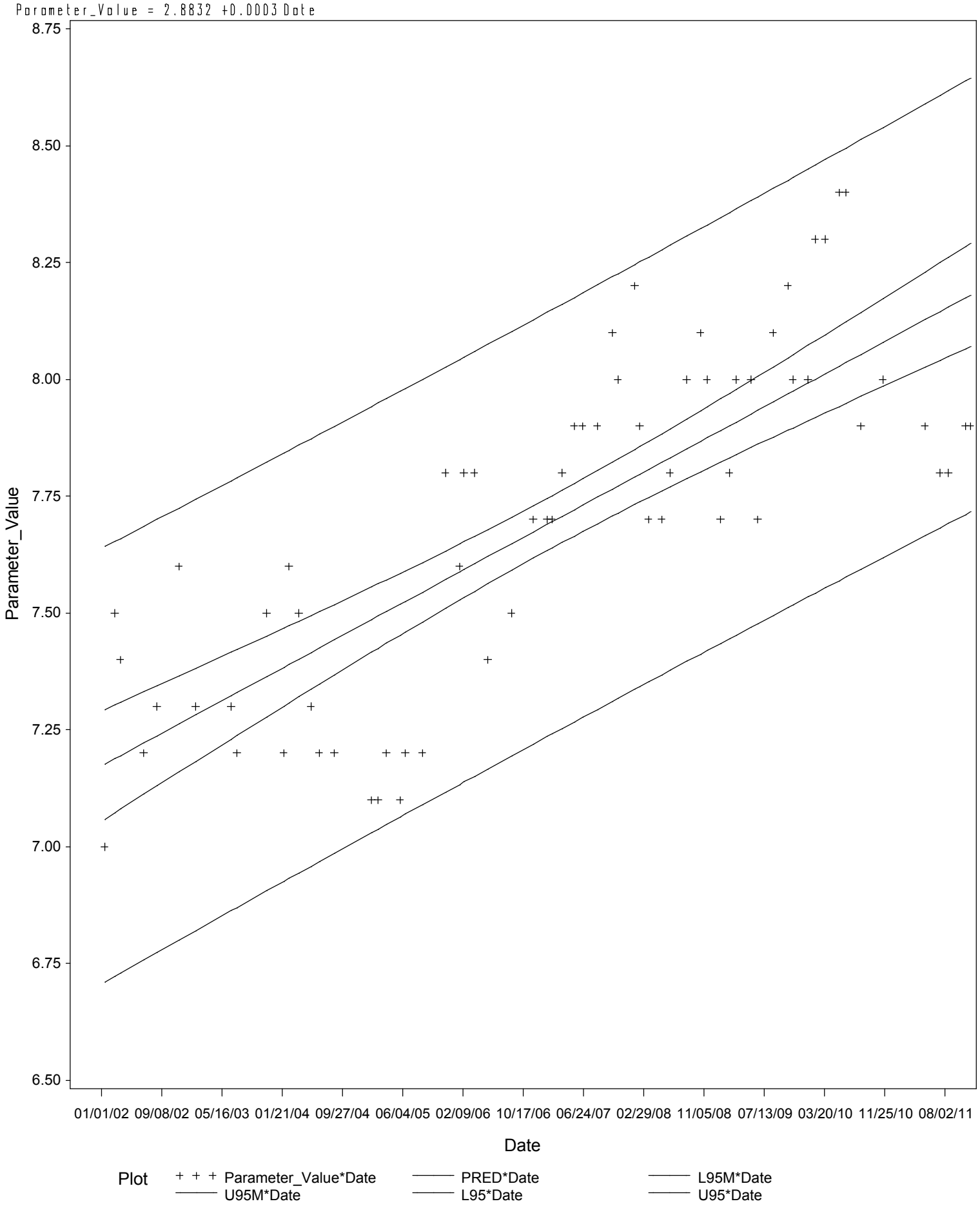
Rio Grande Above Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=16730



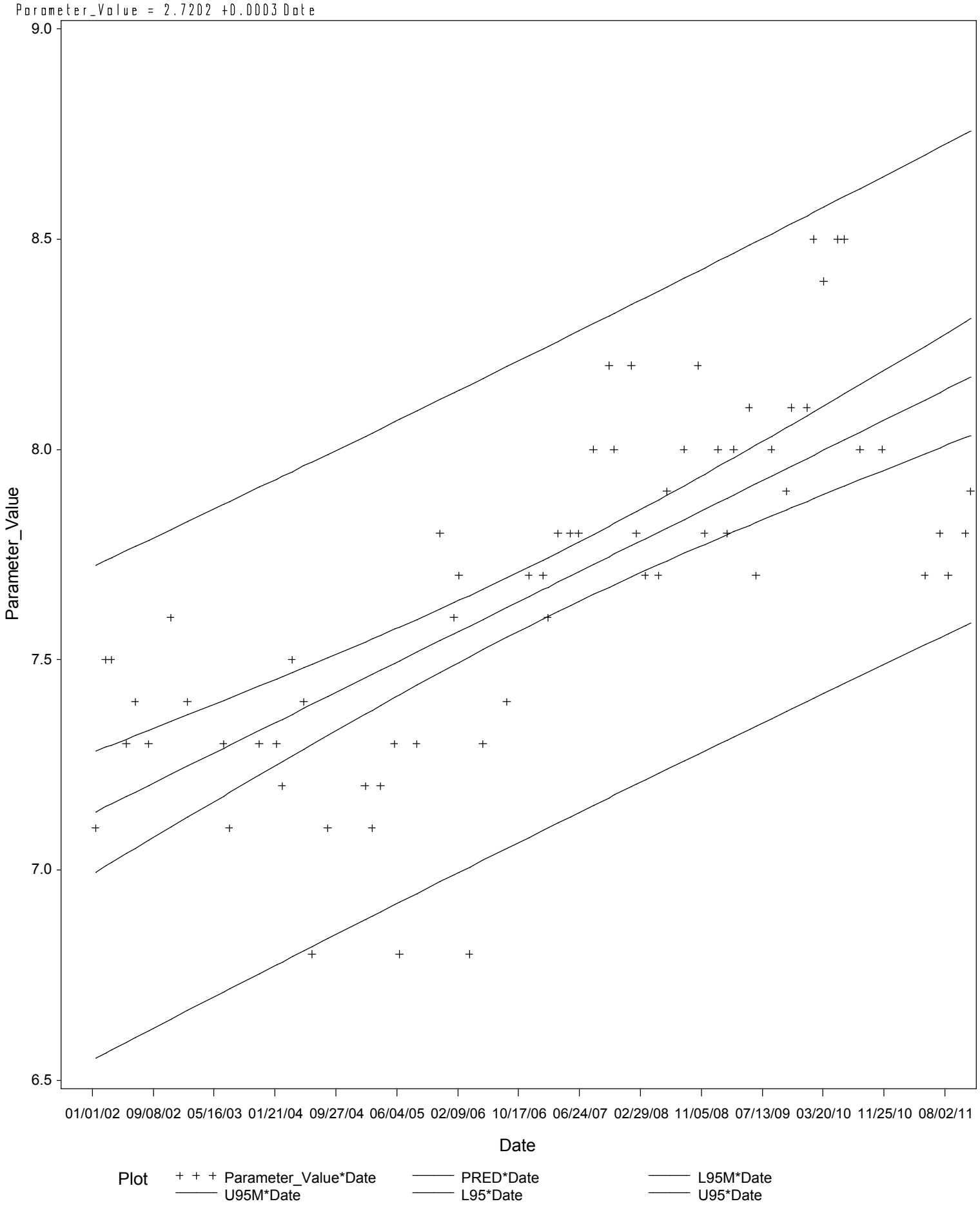
Rio Grande Above Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=17000



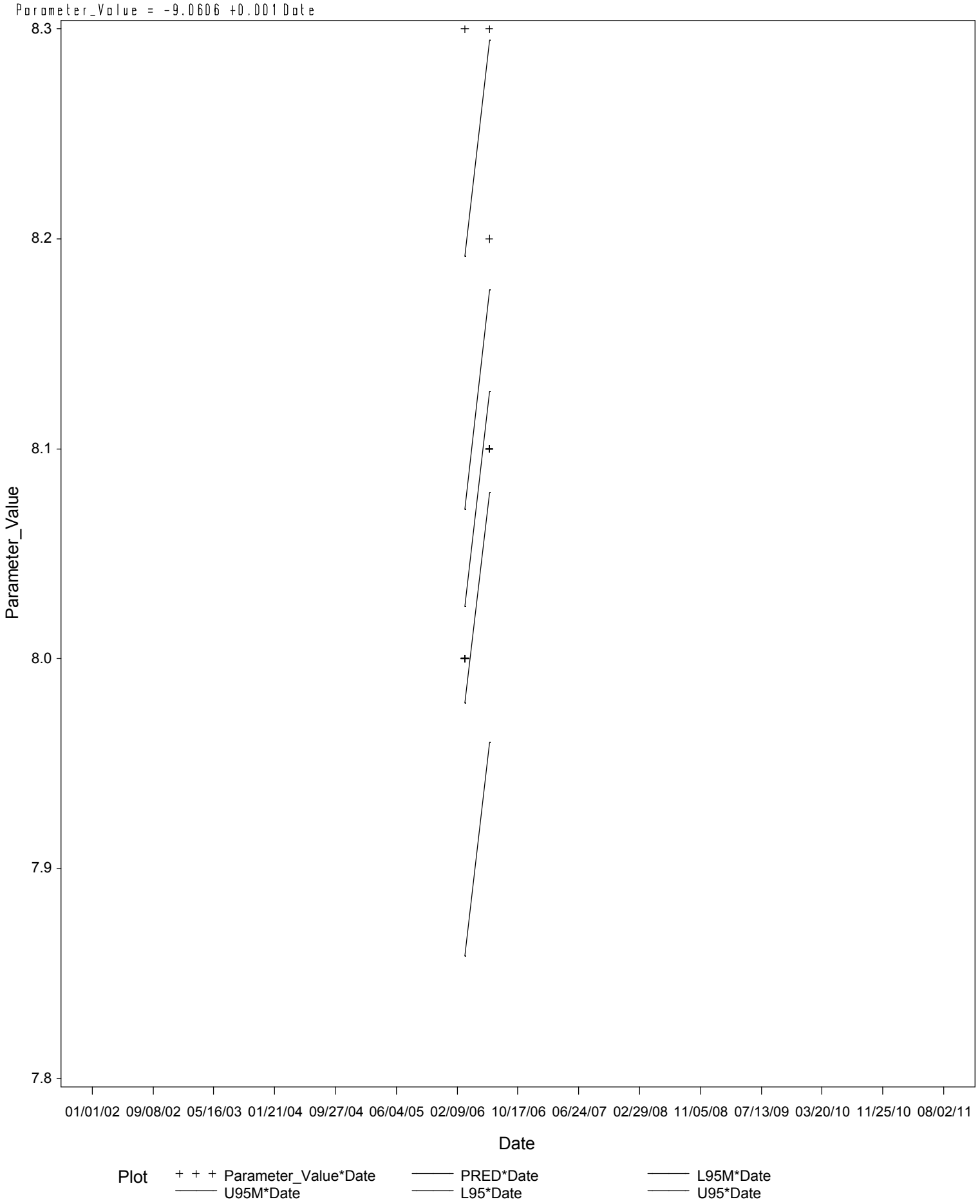
Rio Grande Above Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=17001



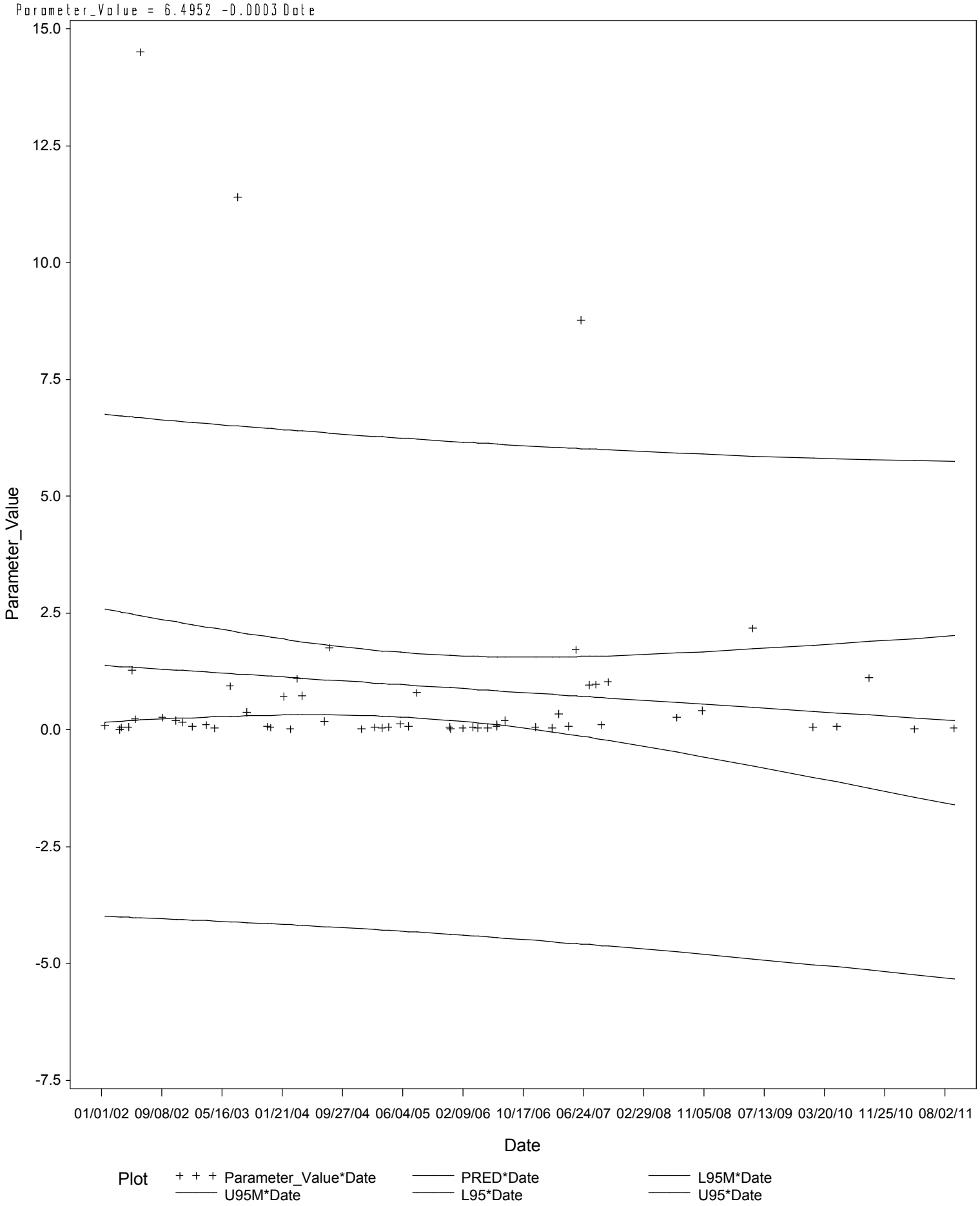
Rio Grande Above Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=20623



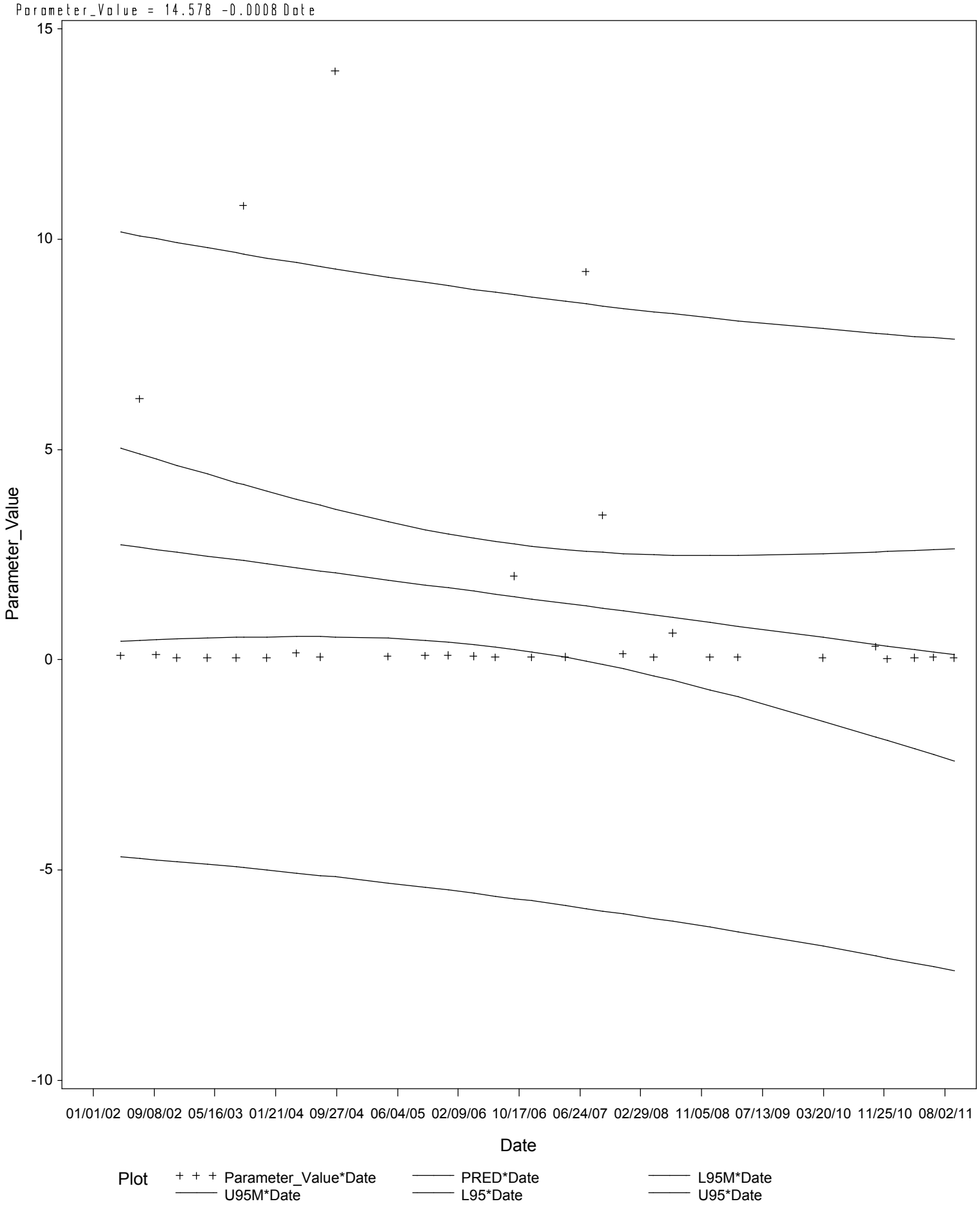
Rio Grande Above Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13223



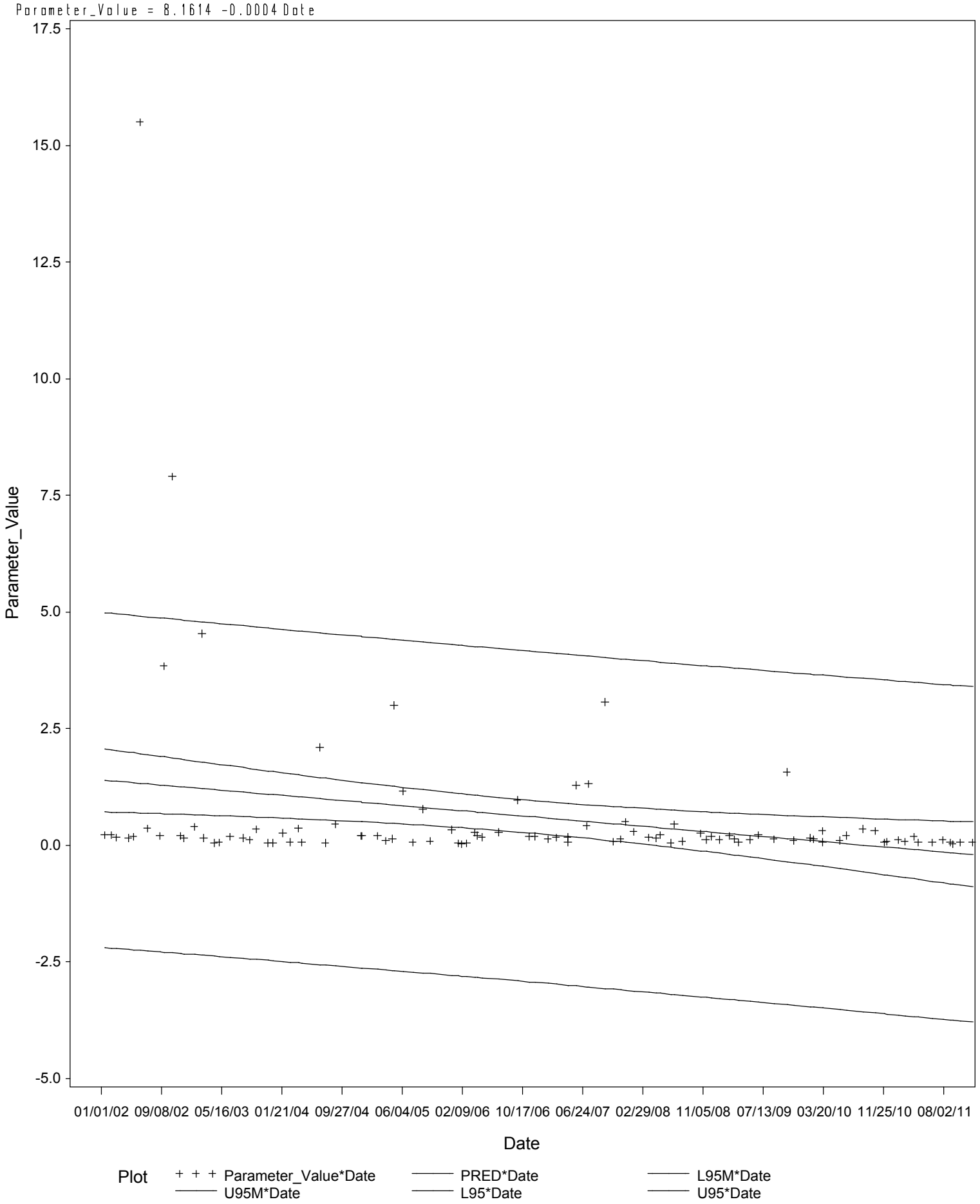
Rio Grande Above Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13225



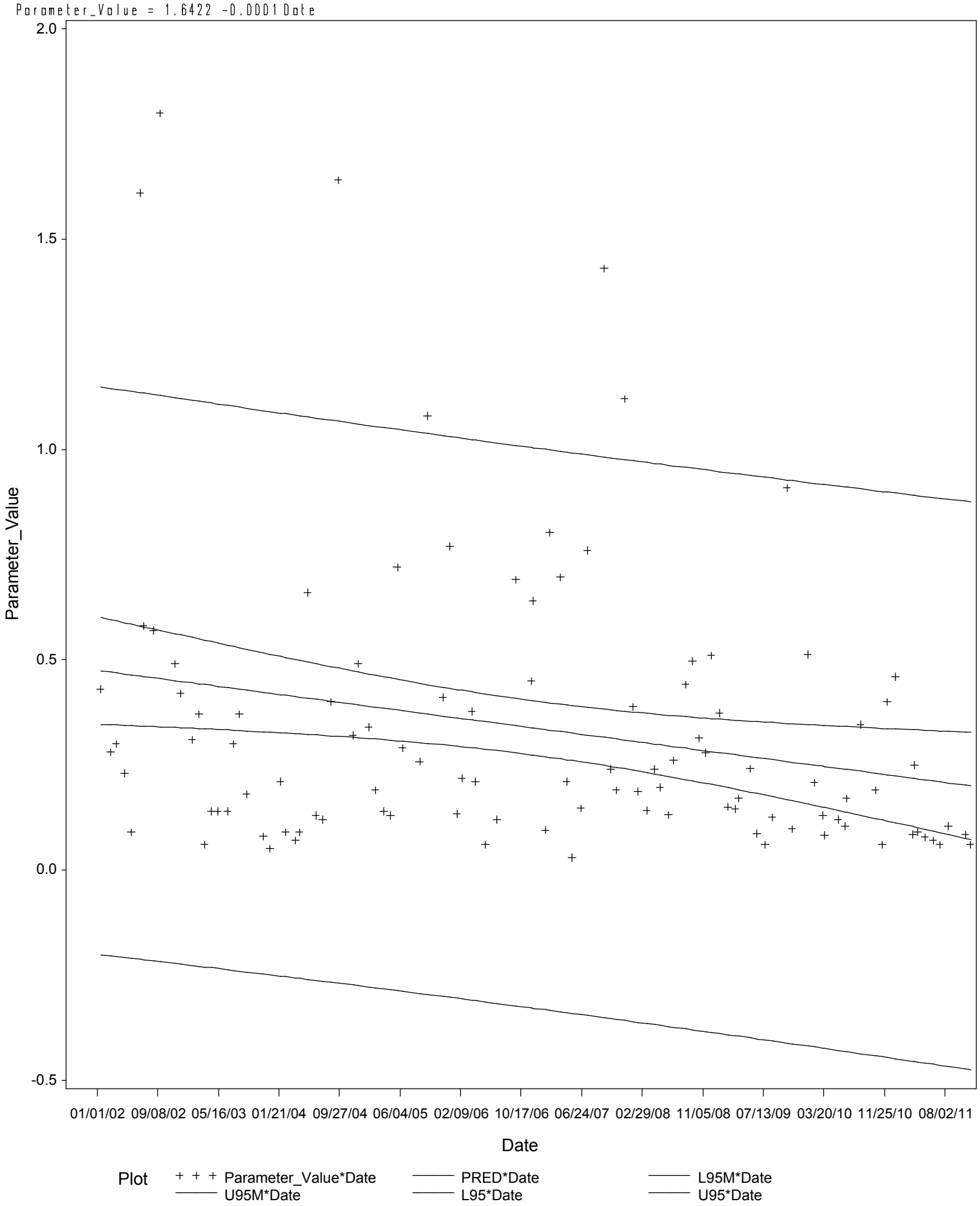
Rio Grande Above Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13228



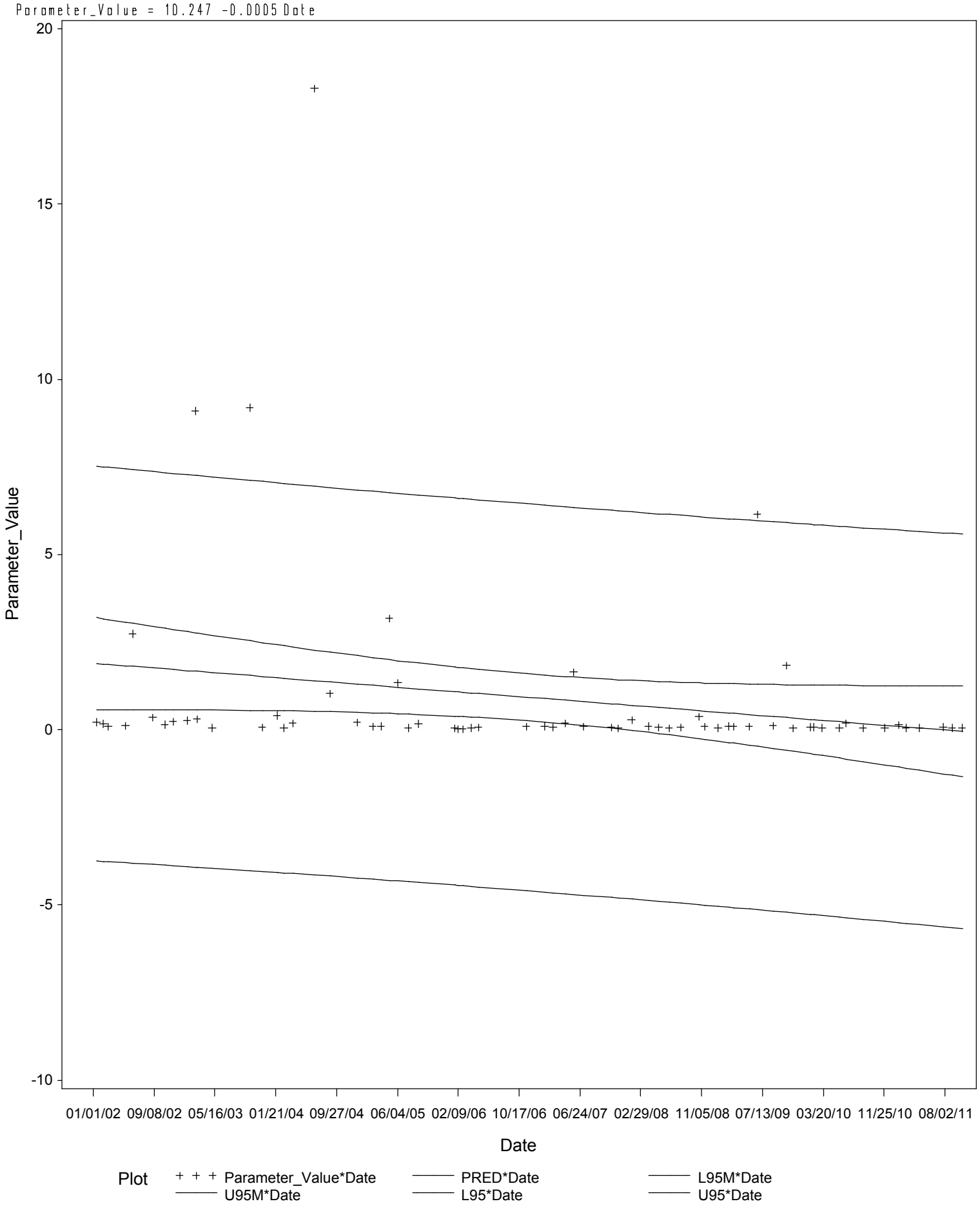
Rio Grande Above Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13229



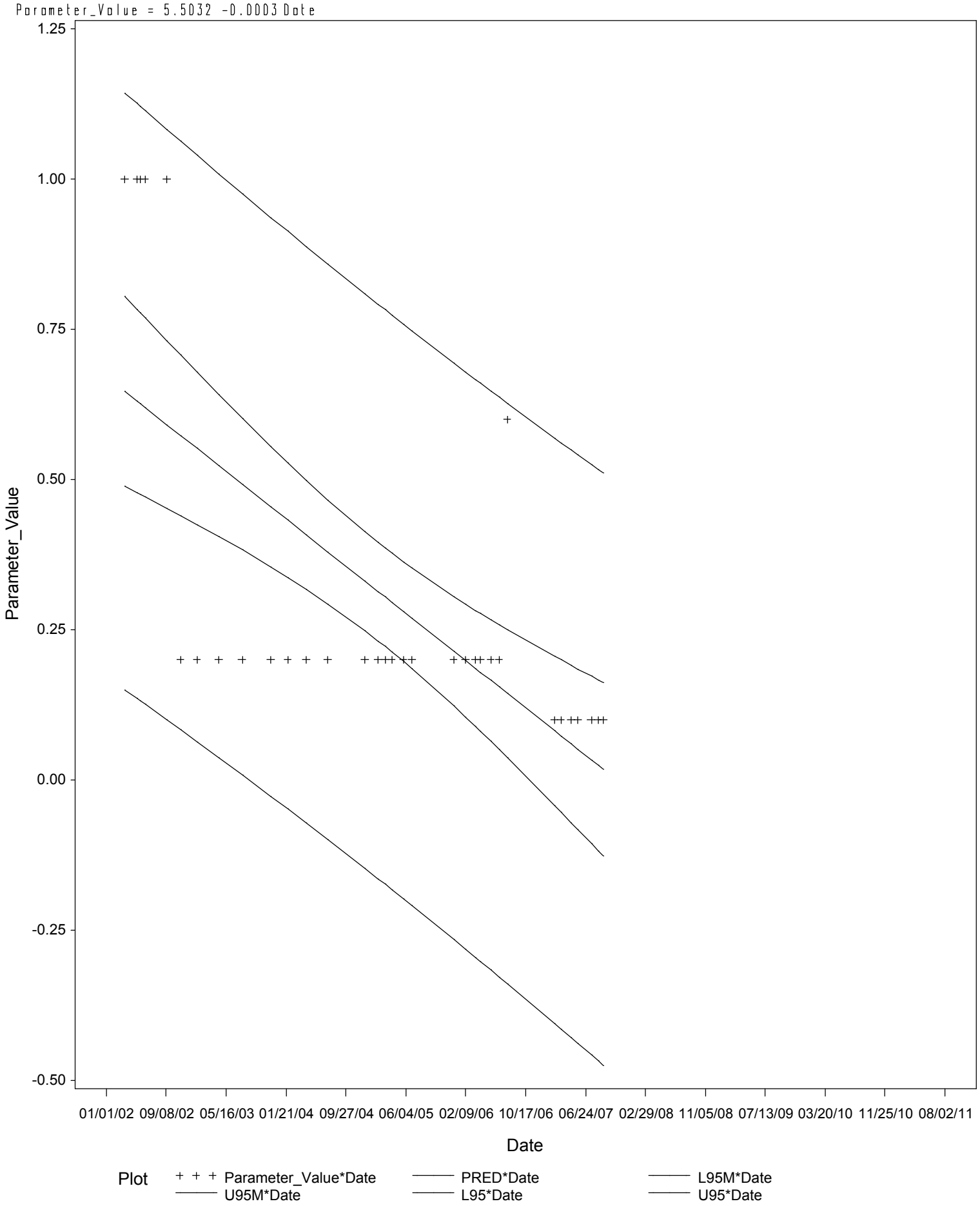
Rio Grande Above Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=16730



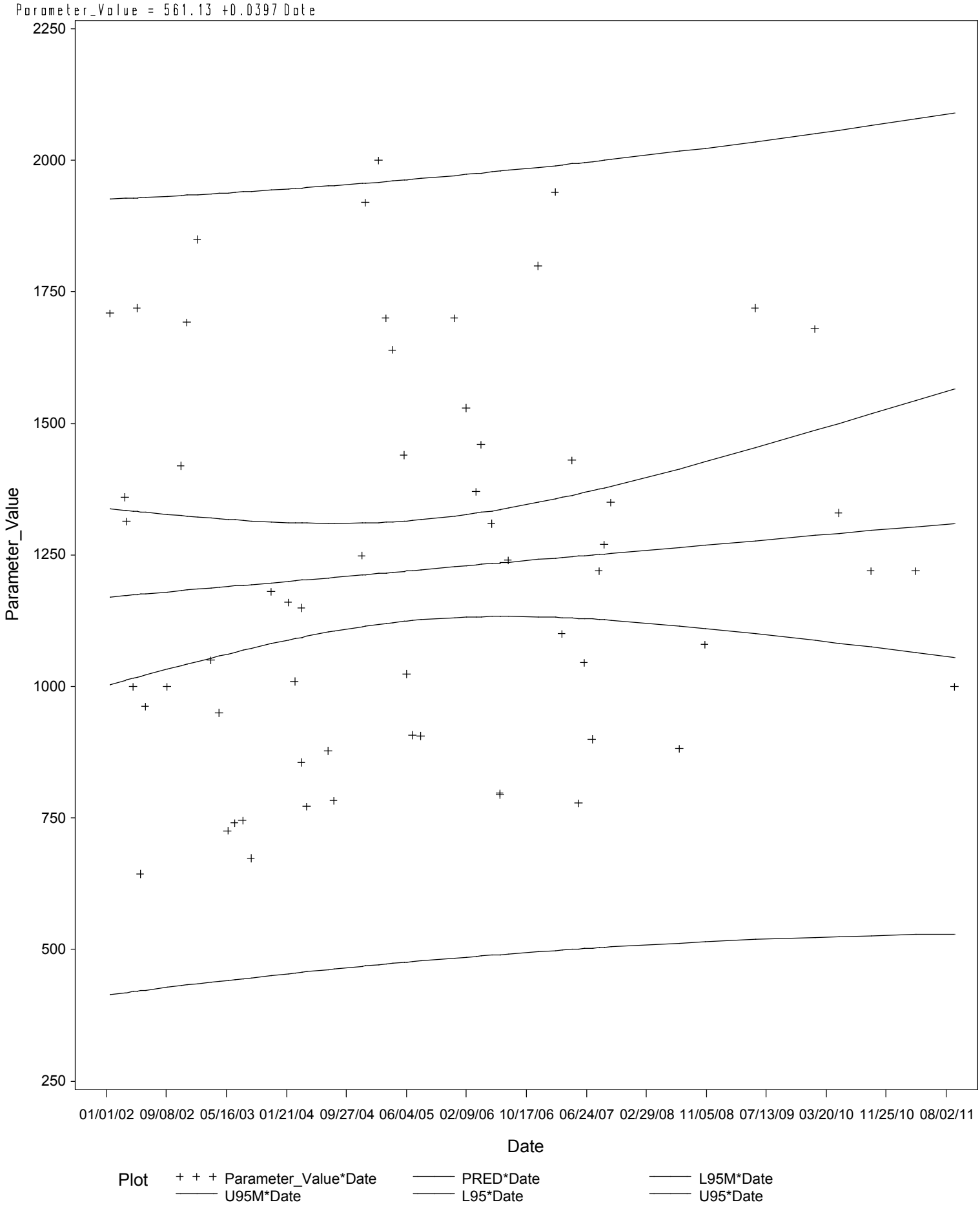
Rio Grande Above Amistad Reservoir

Parameter=SILVER, DISSOLVED (UG/L AS AG) Station=13223



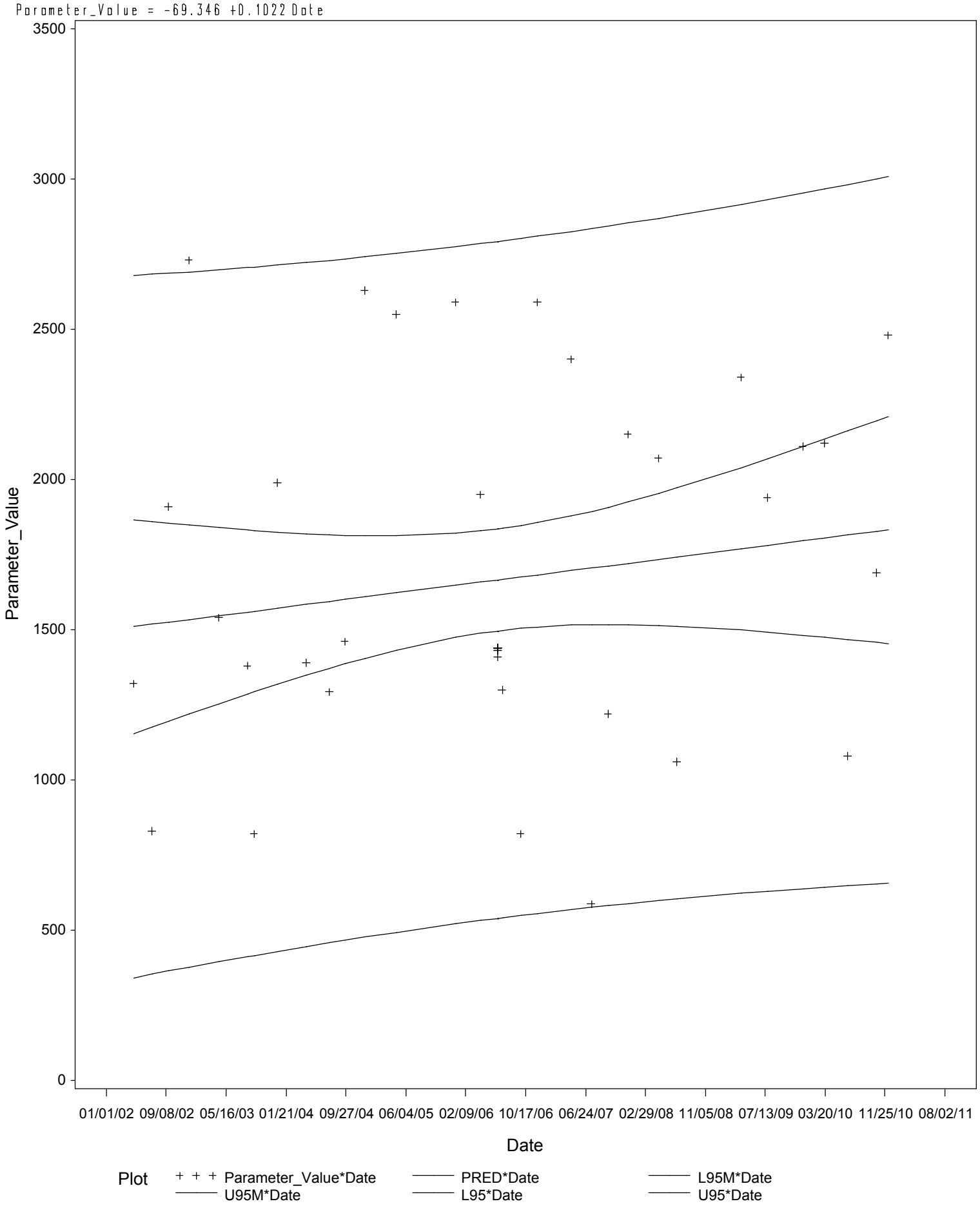
Rio Grande Above Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13223



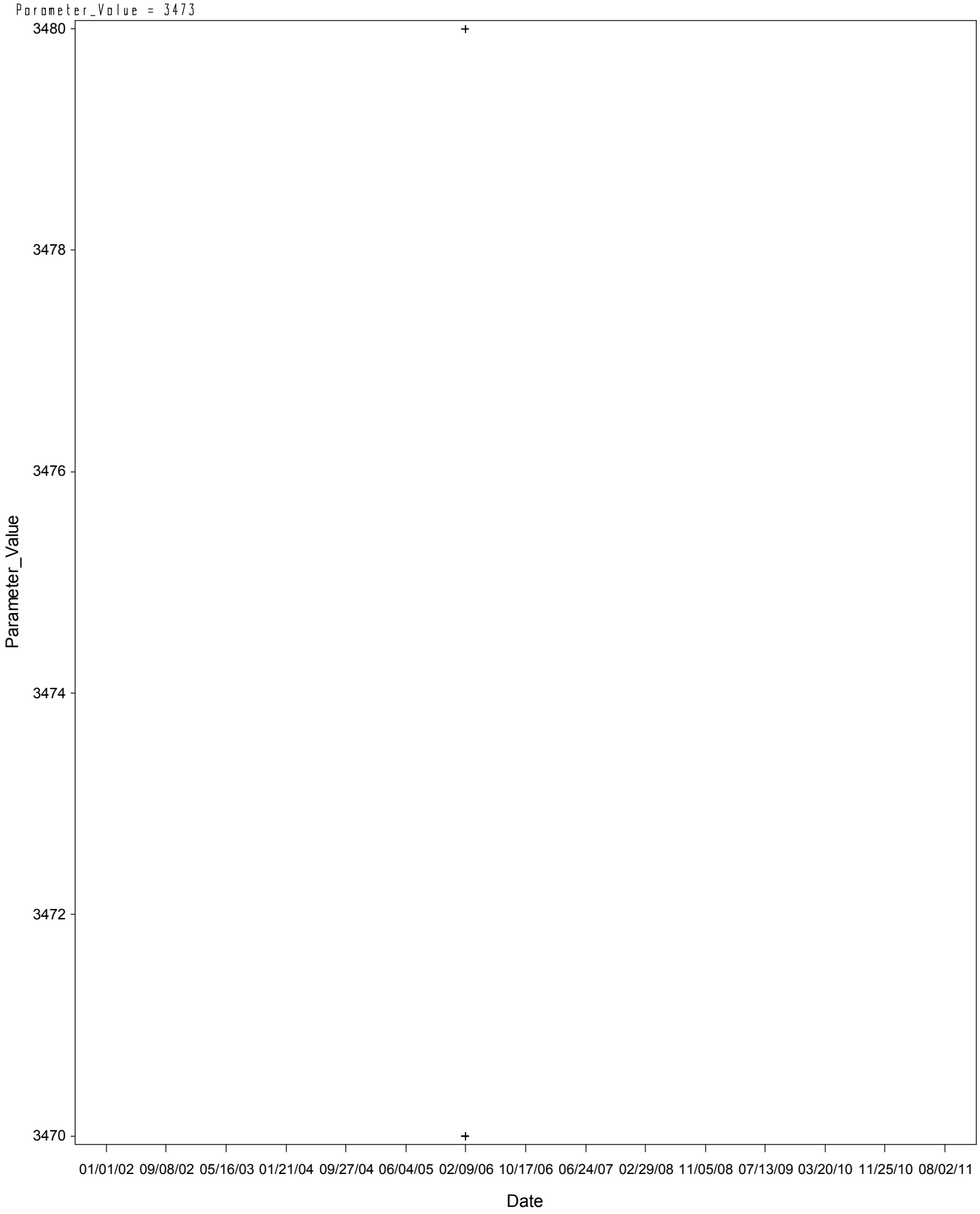
Rio Grande Above Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13225



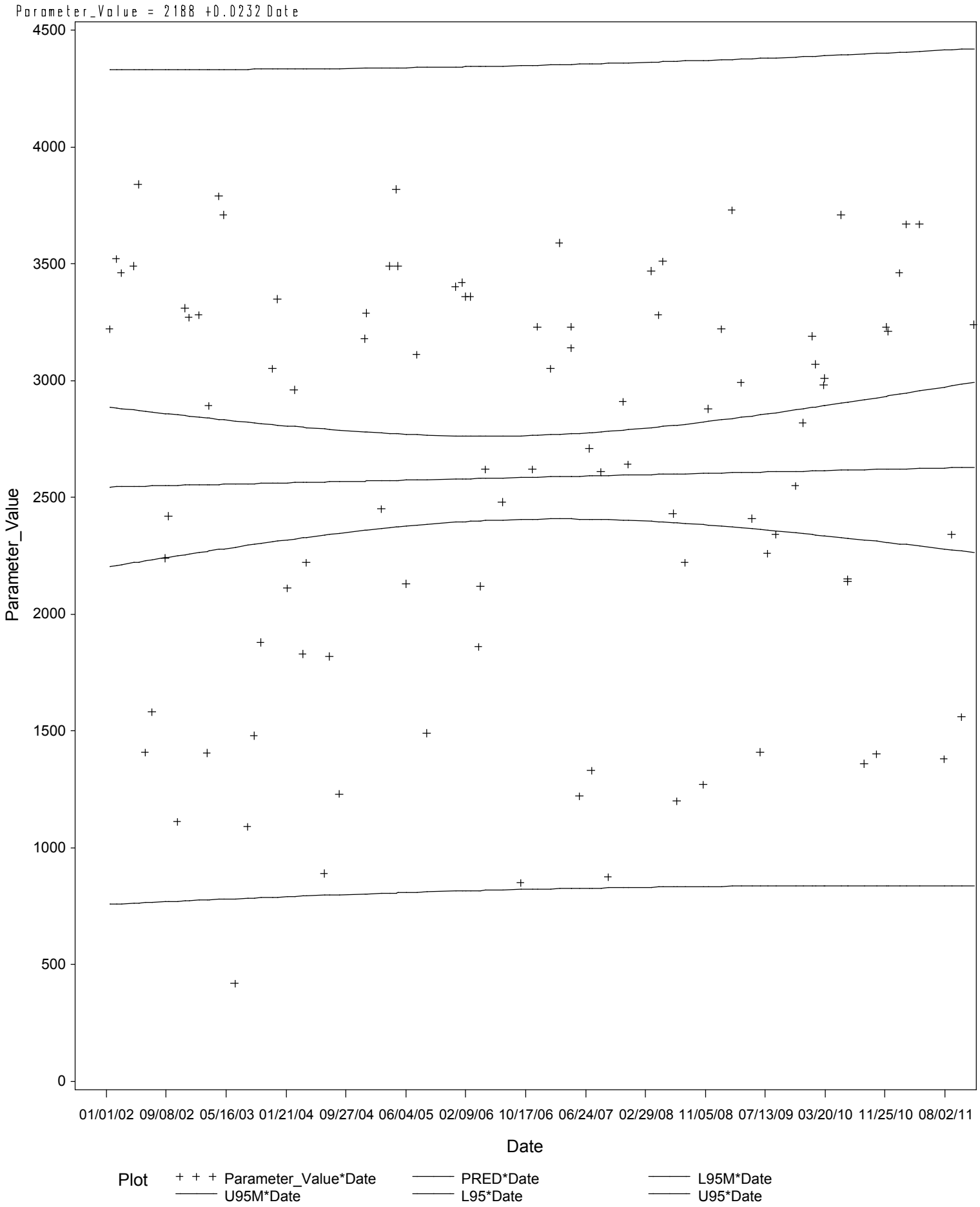
Rio Grande Above Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13227



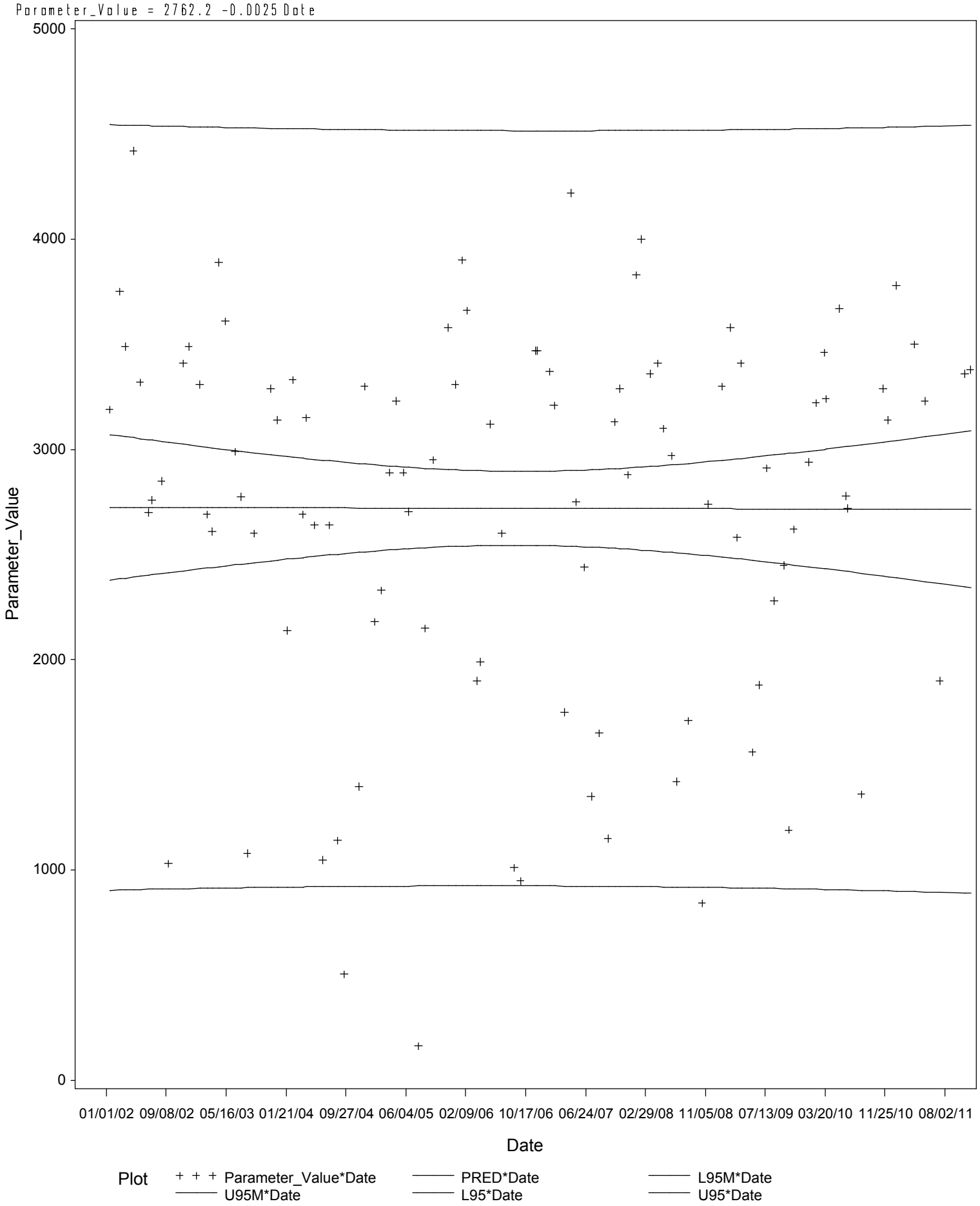
Rio Grande Above Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13228



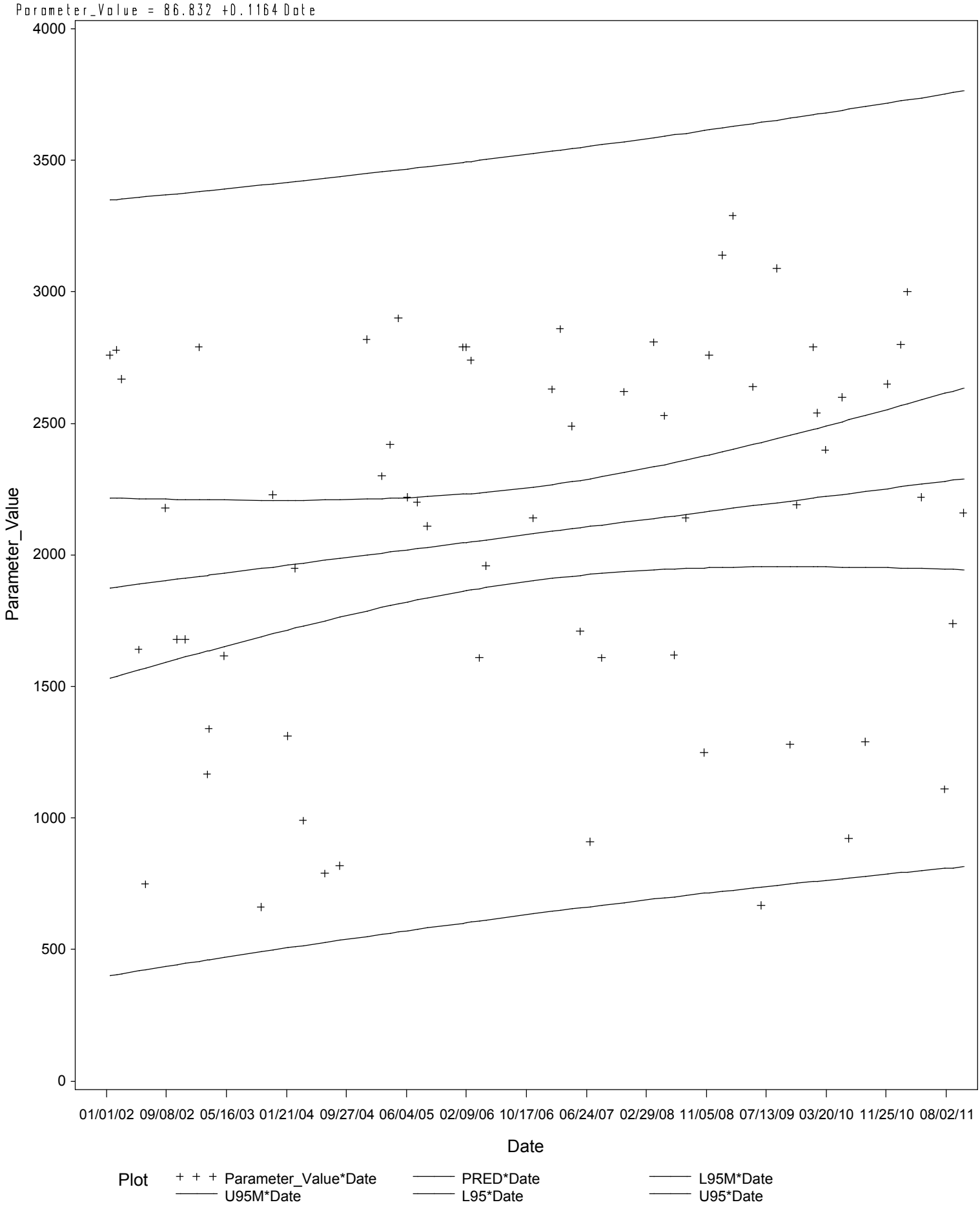
Rio Grande Above Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13229



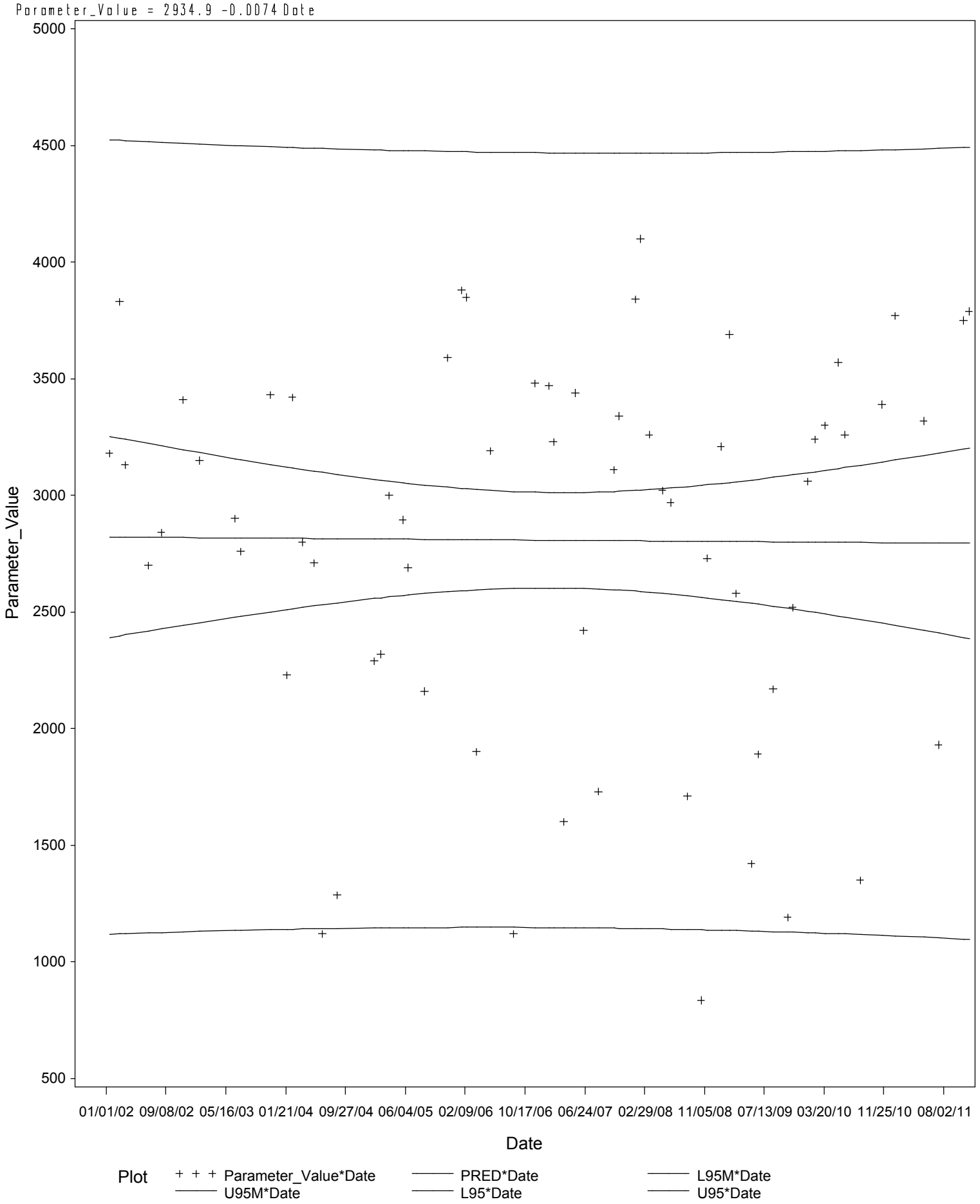
Rio Grande Above Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=16730



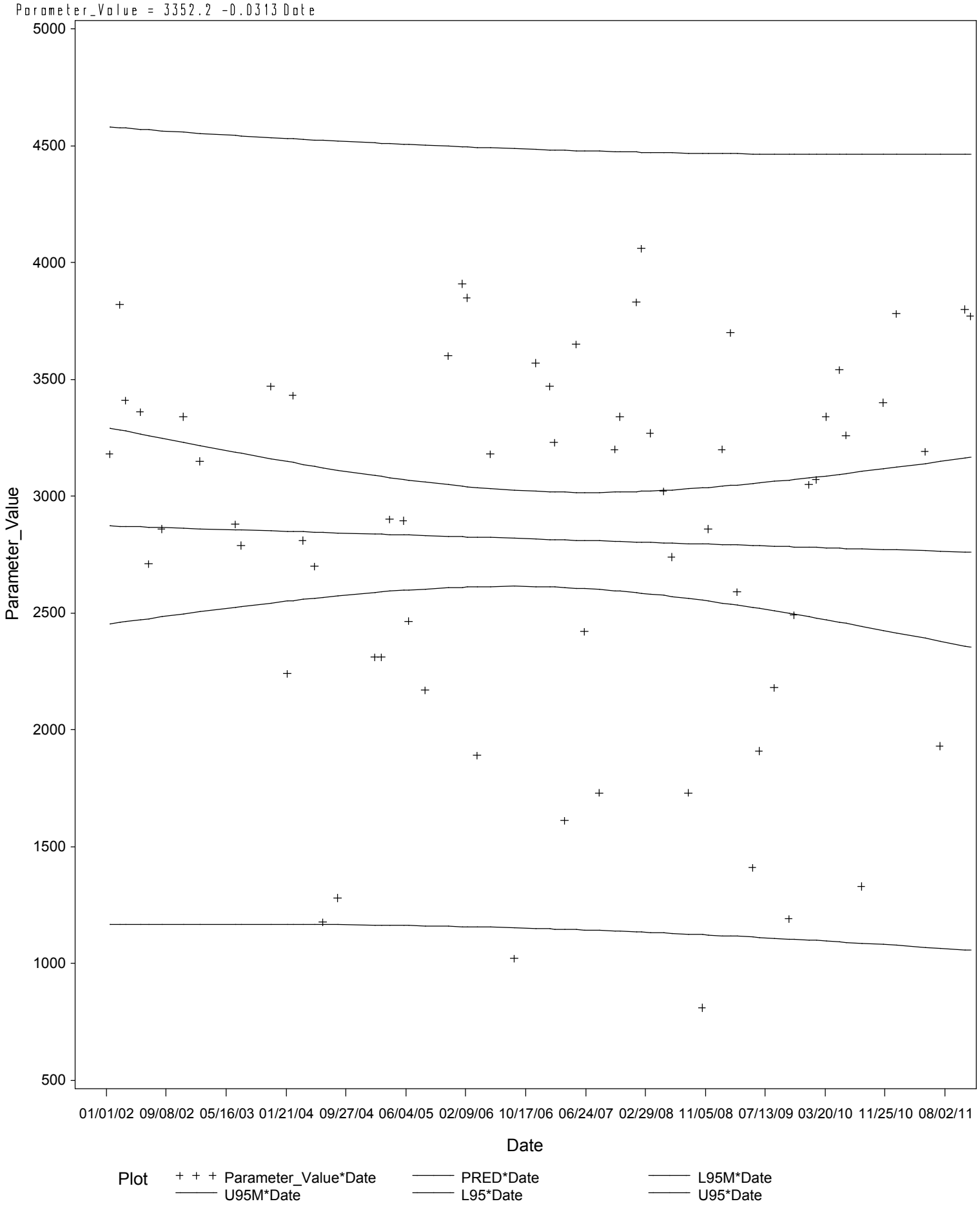
Rio Grande Above Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=17000



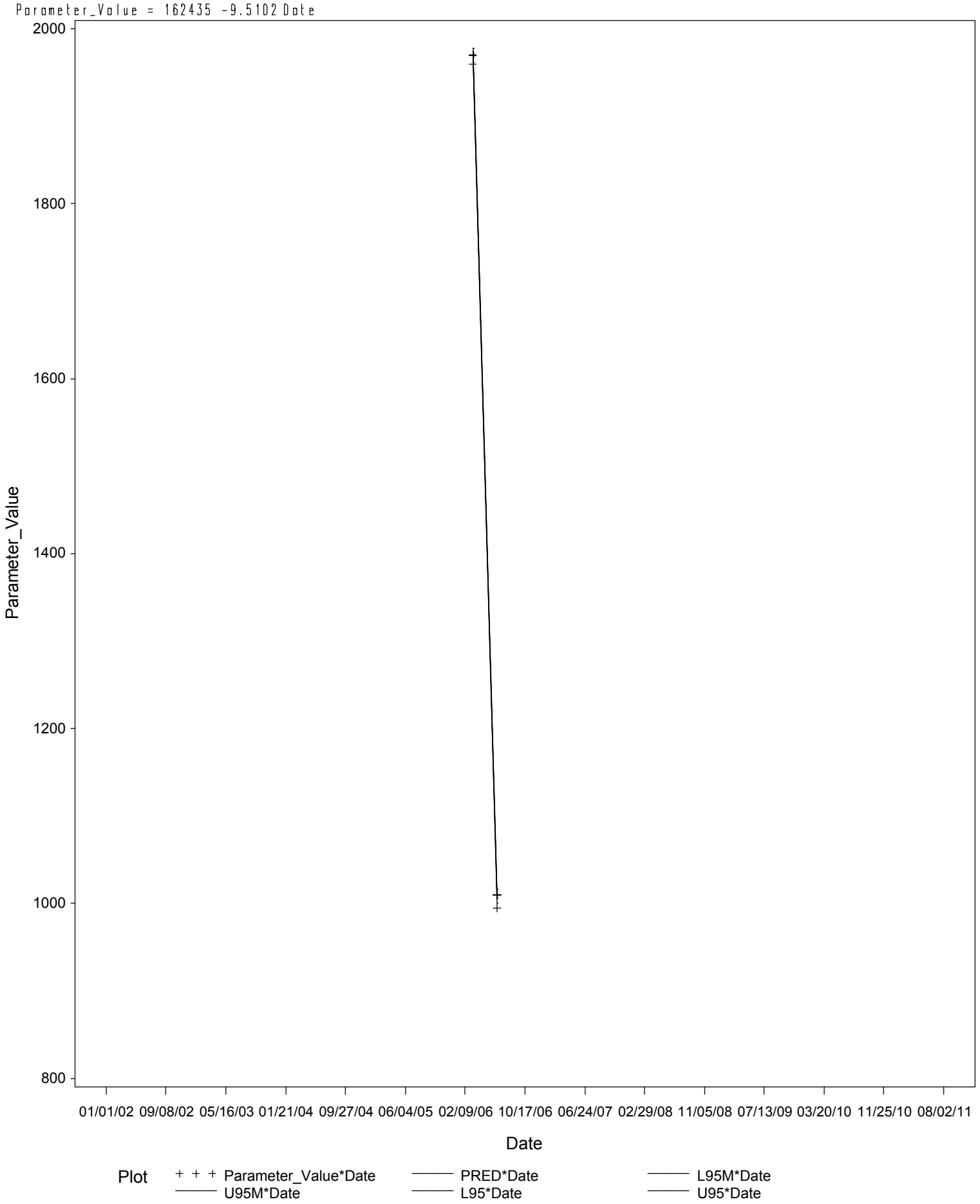
Rio Grande Above Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=17001



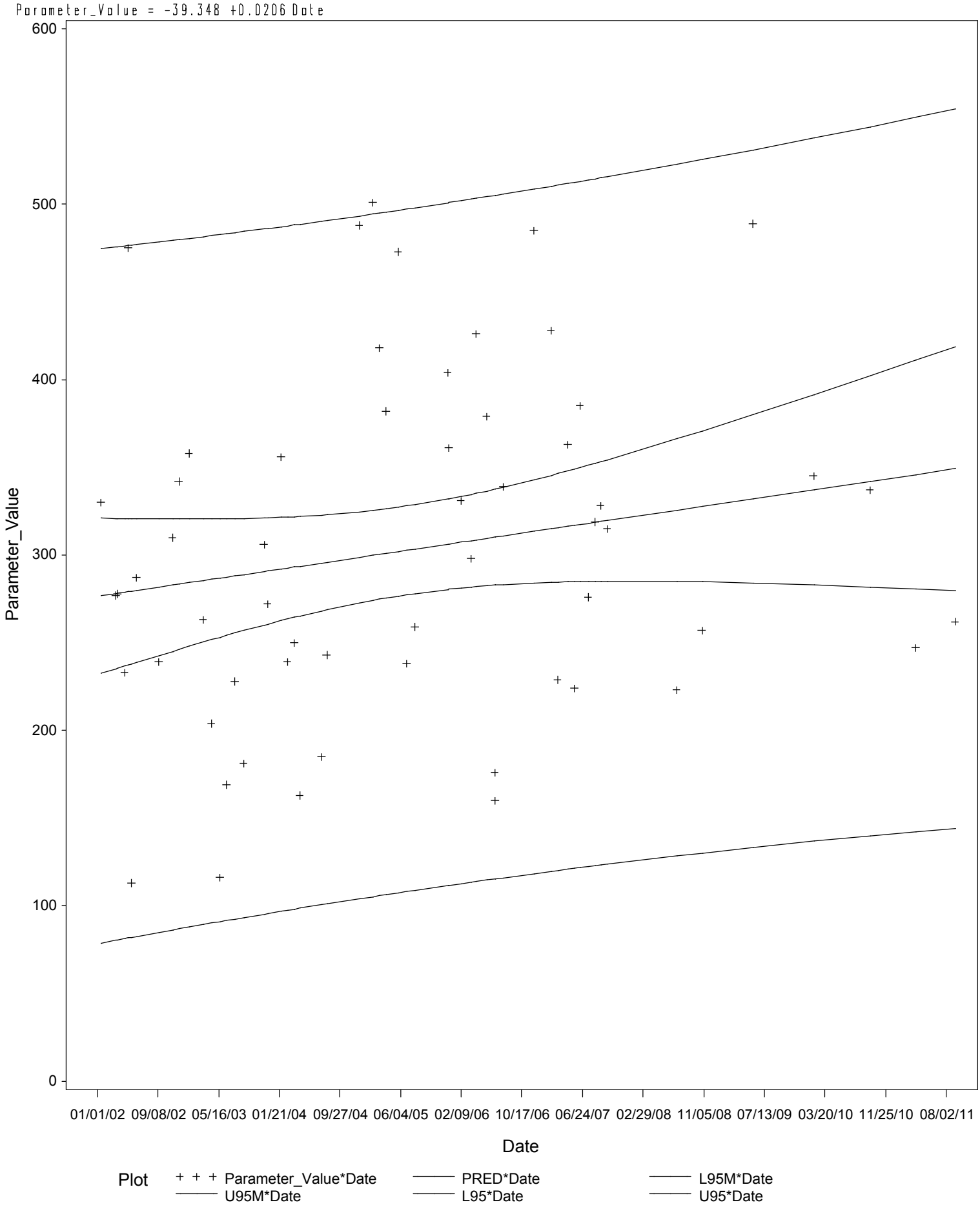
Rio Grande Above Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=20623



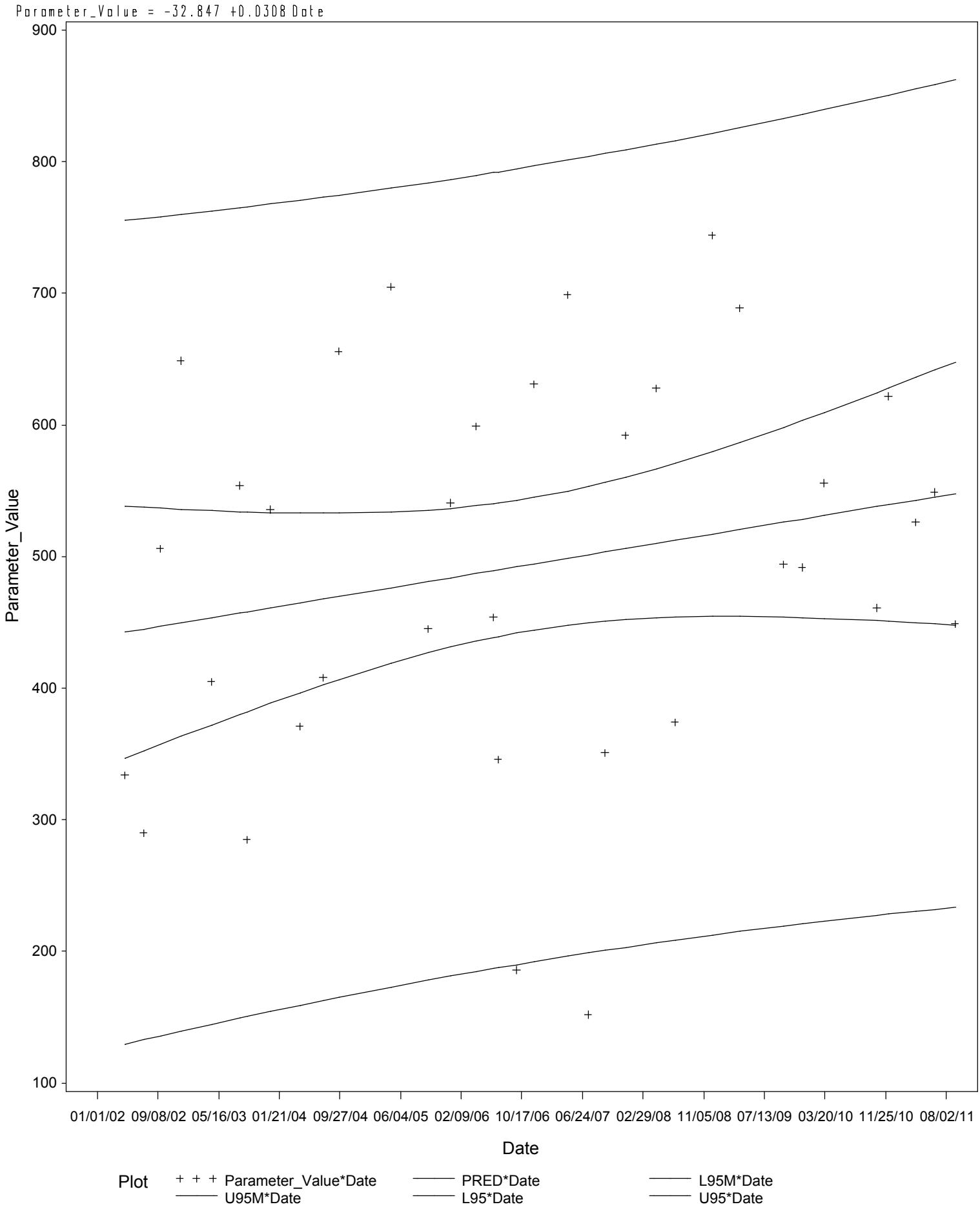
Rio Grande Above Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13223



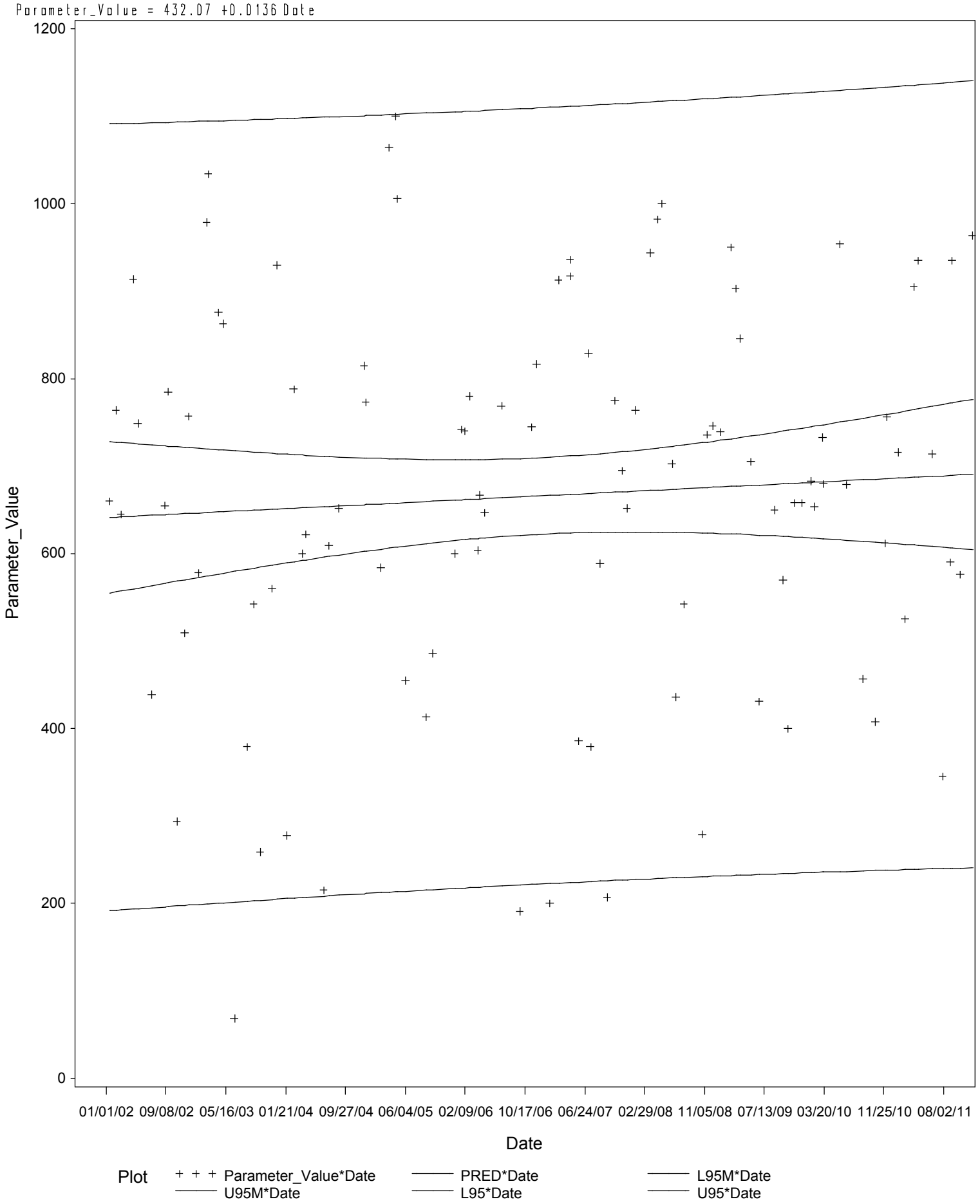
Rio Grande Above Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13225



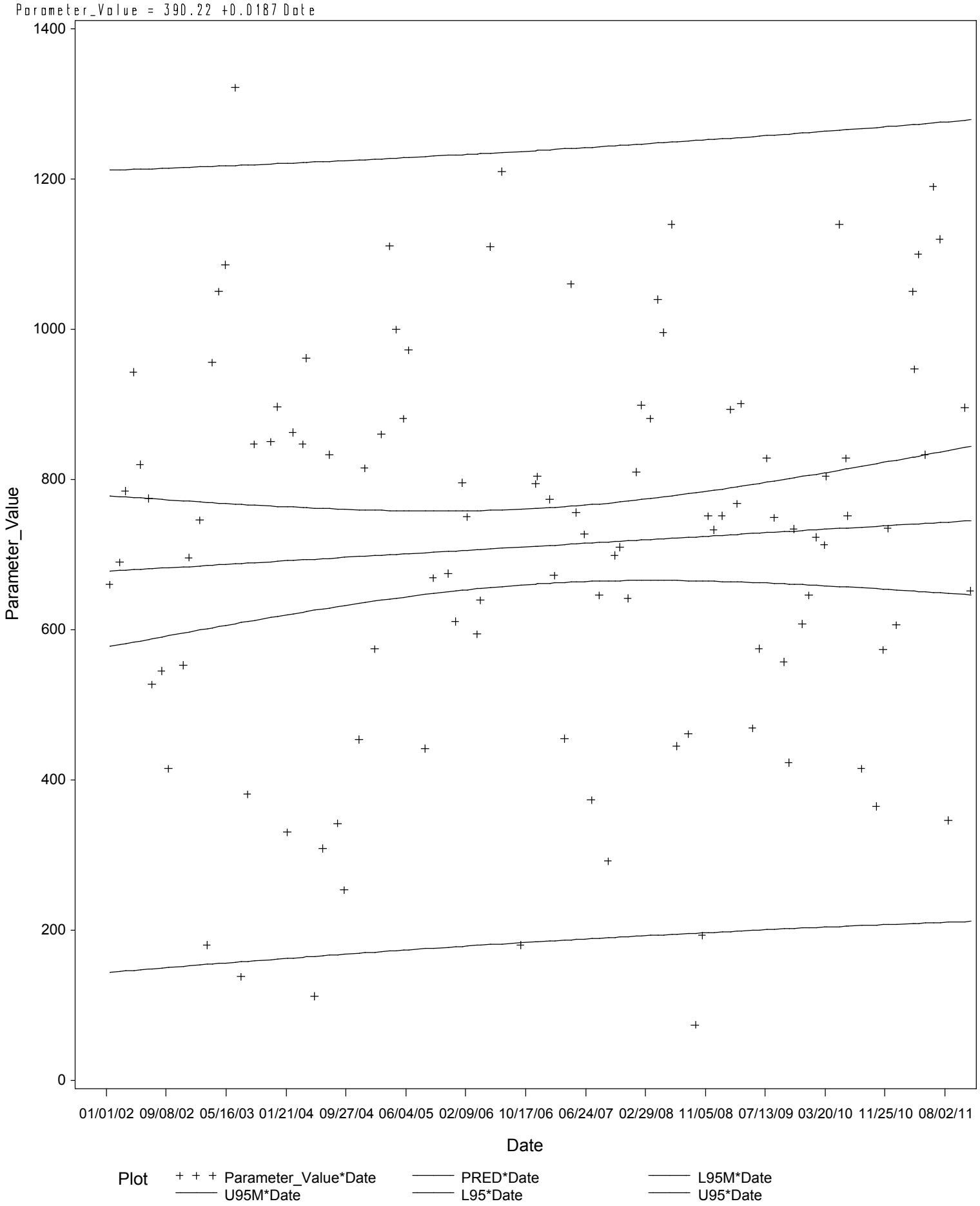
Rio Grande Above Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13228



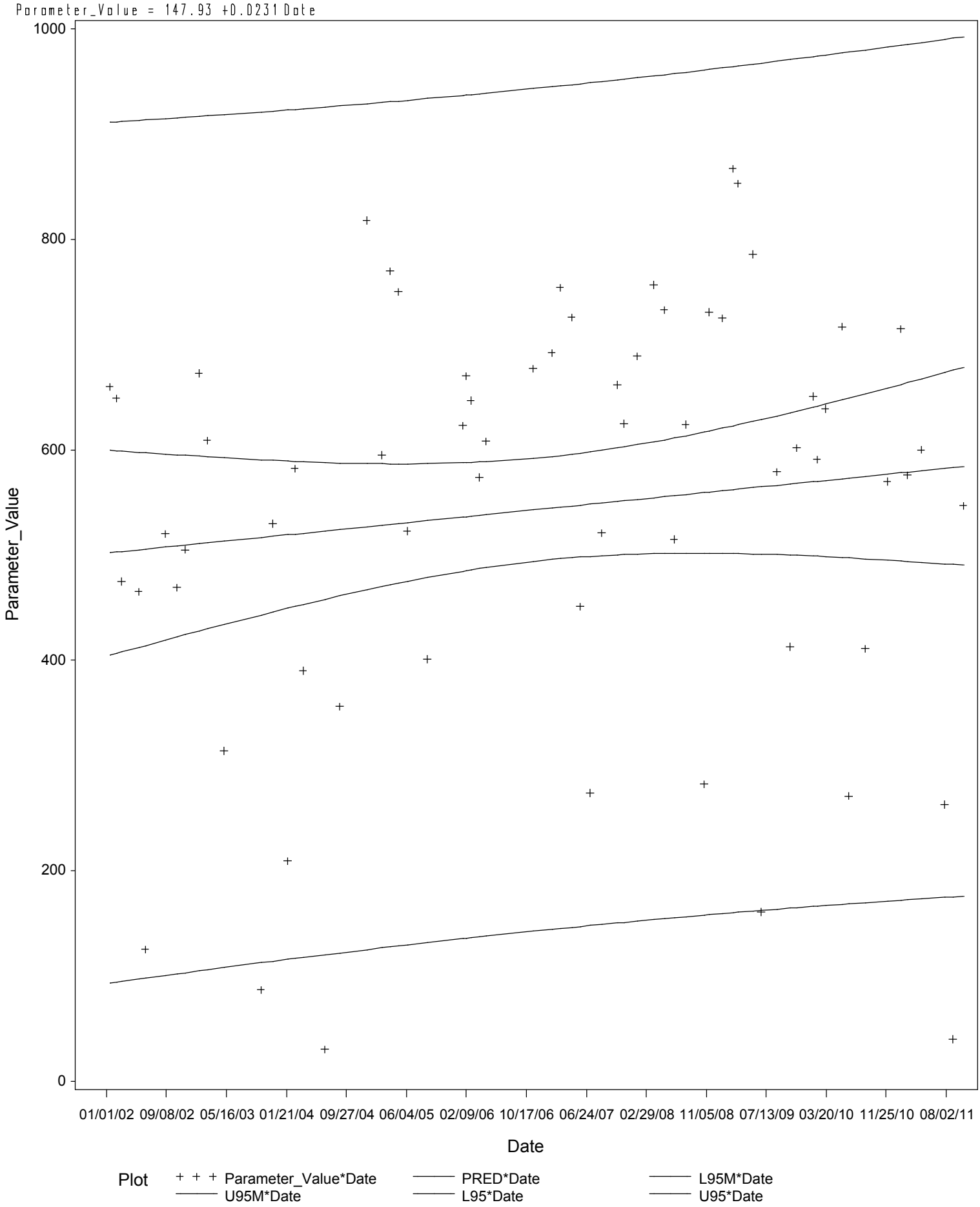
Rio Grande Above Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13229

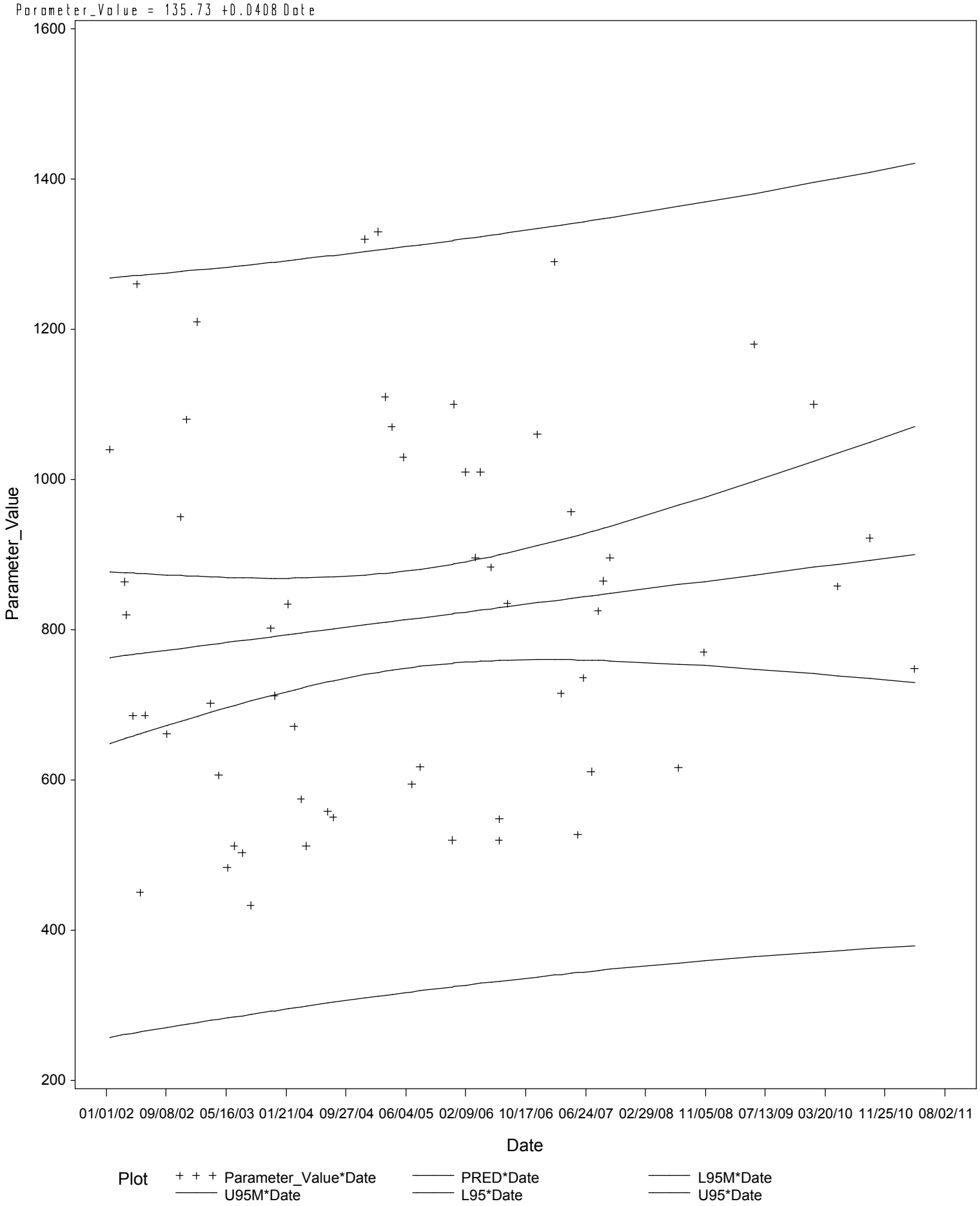


Rio Grande Above Amistad Reservoir

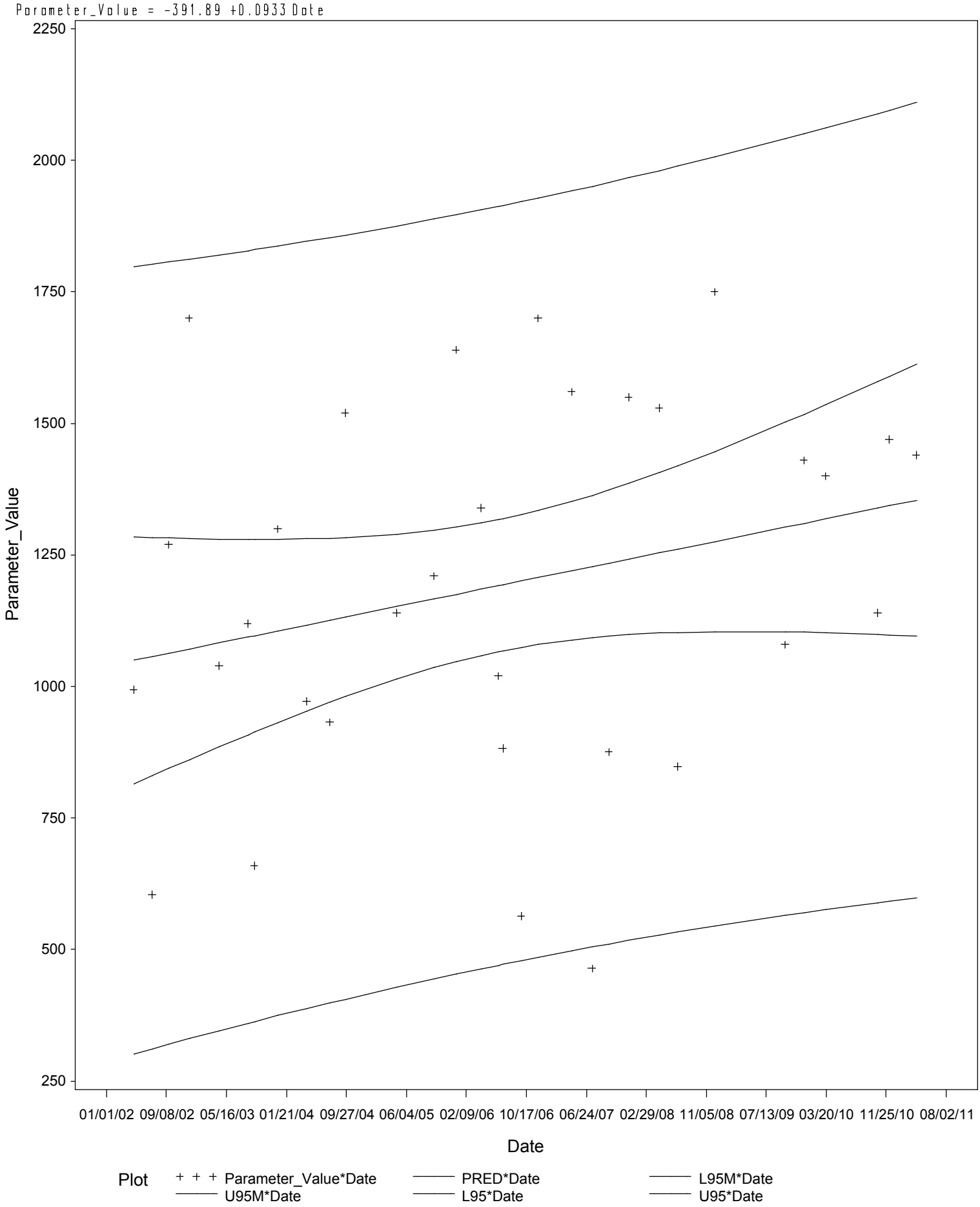
Parameter=SULFATE (MG/L AS SO4) Station=16730



Rio Grande Above Amistad Reservoir
Parameter=TDS (MG/L) Station=13223

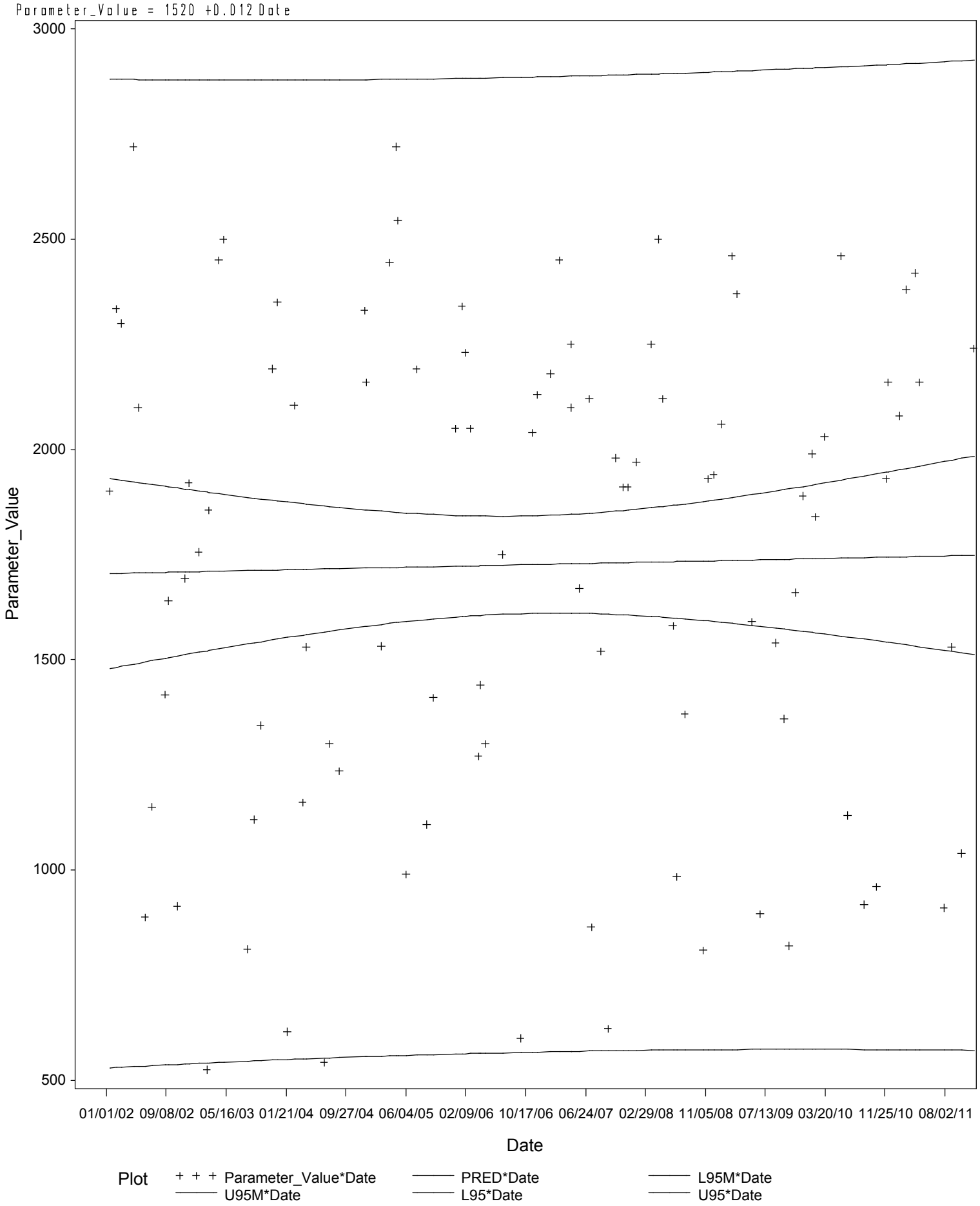


Rio Grande Above Amistad Reservoir
Parameter=TDS (MG/L) Station=13225

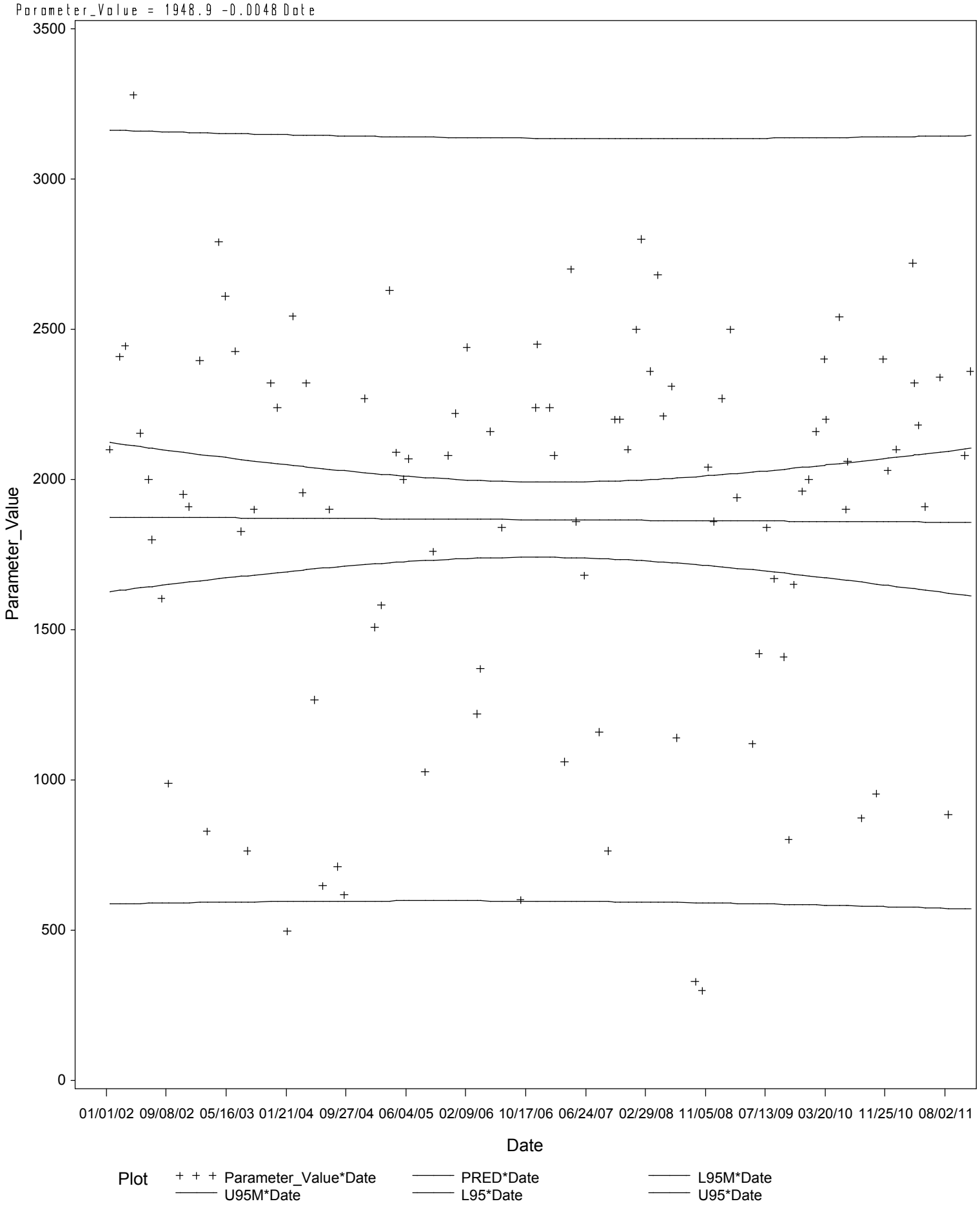


Rio Grande Above Amistad Reservoir

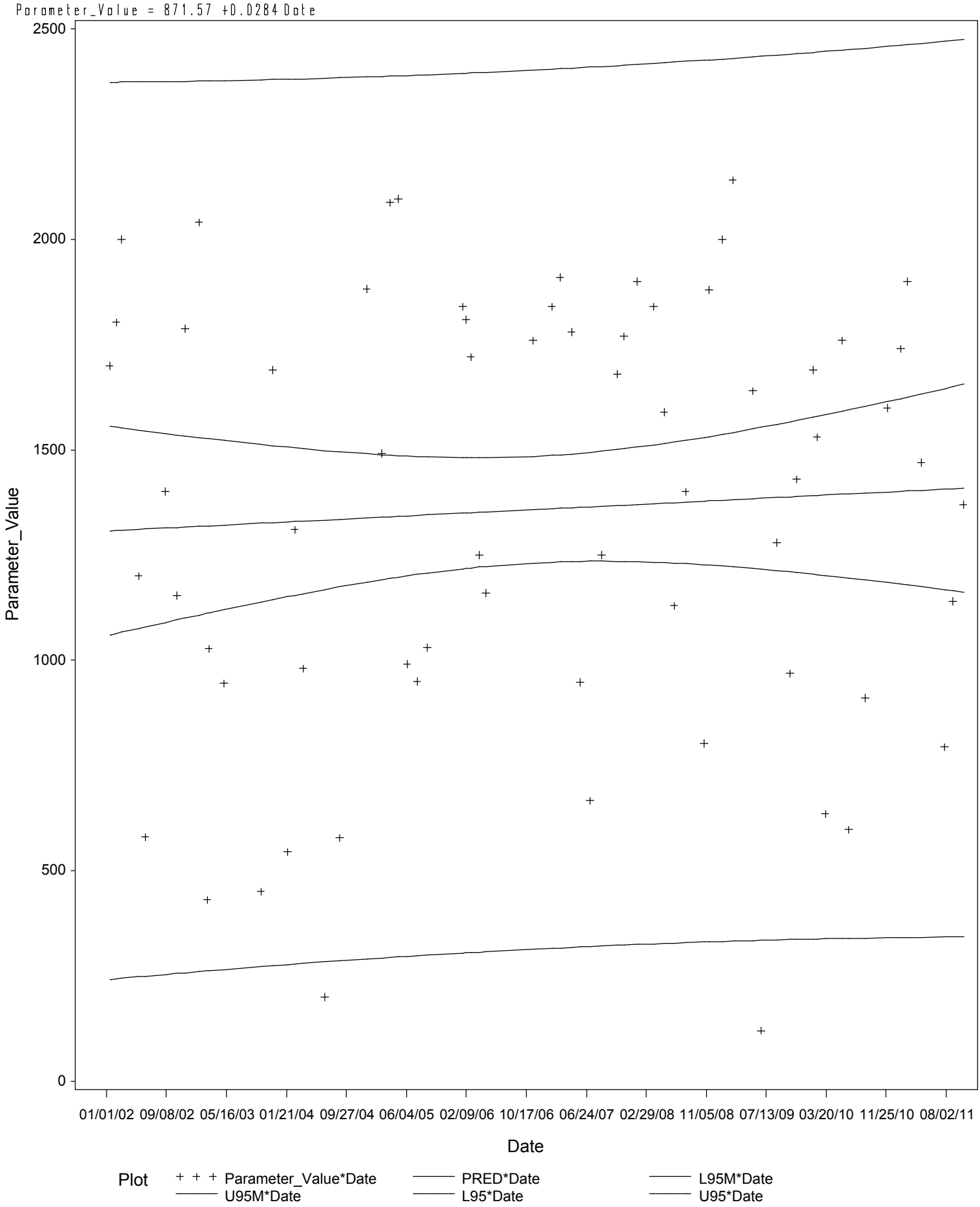
Parameter=TDS (MG/L) Station=13228



Rio Grande Above Amistad Reservoir
Parameter=TDS (MG/L) Station=13229

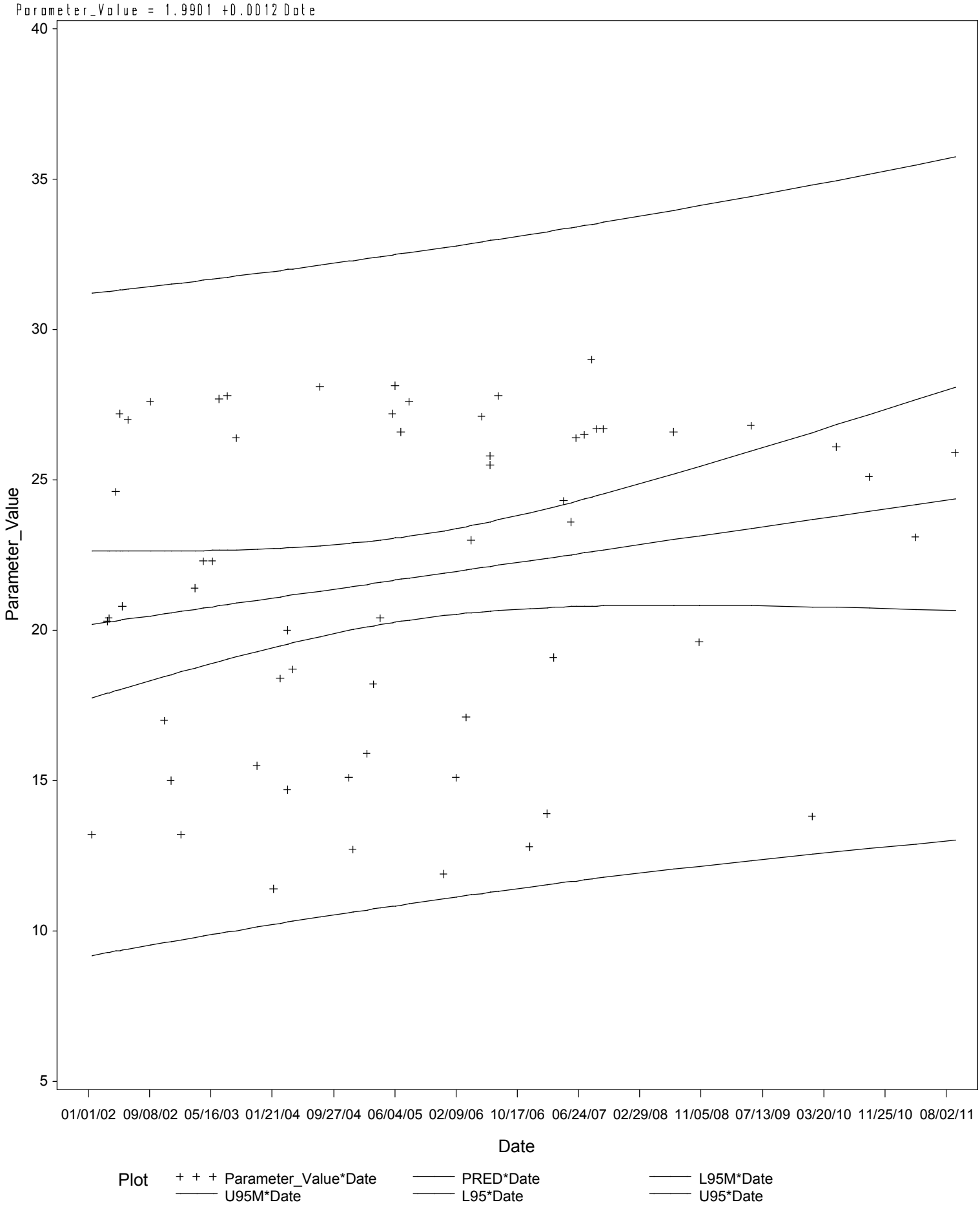


Rio Grande Above Amistad Reservoir
Parameter=TDS (MG/L) Station=16730



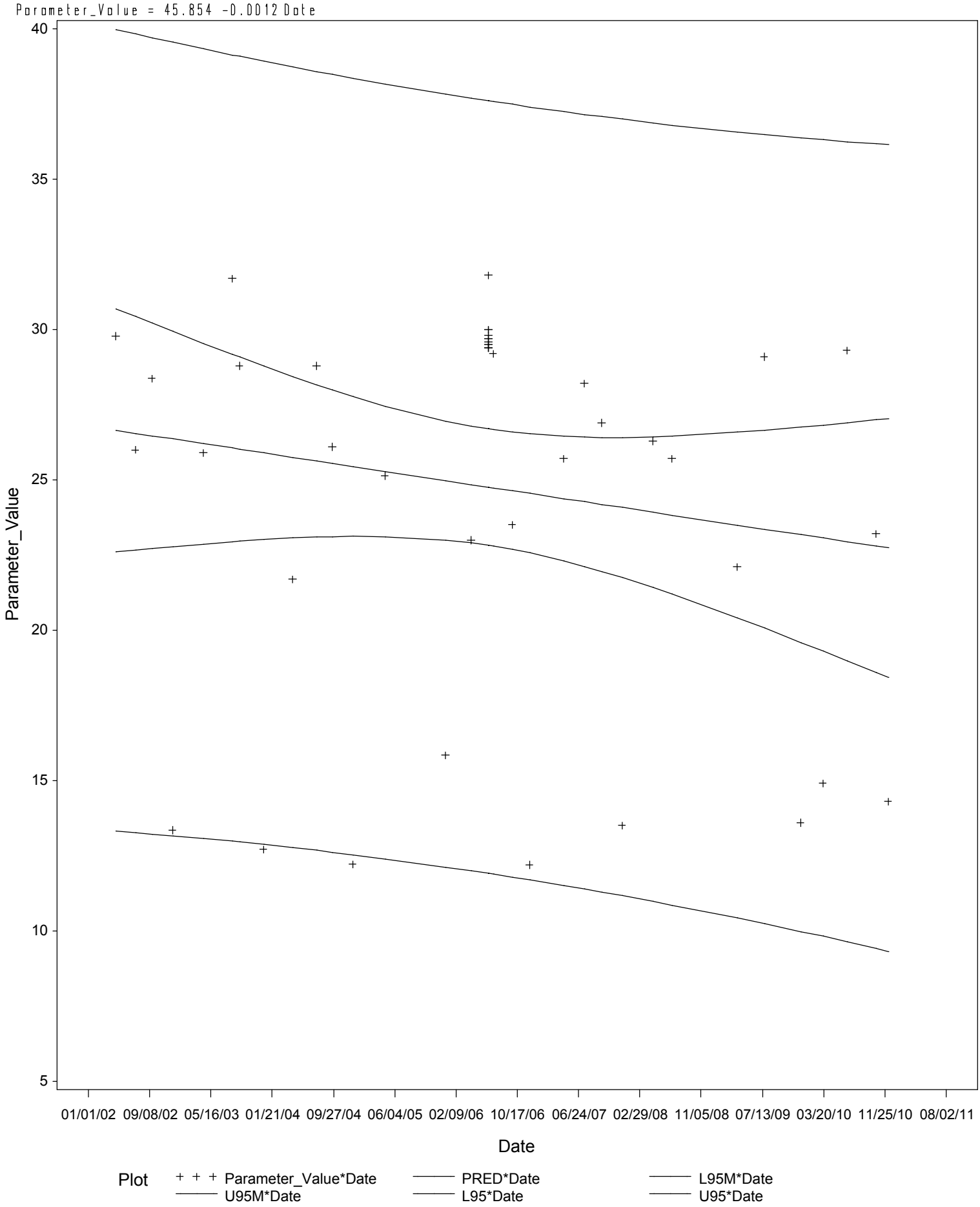
Rio Grande Above Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13223



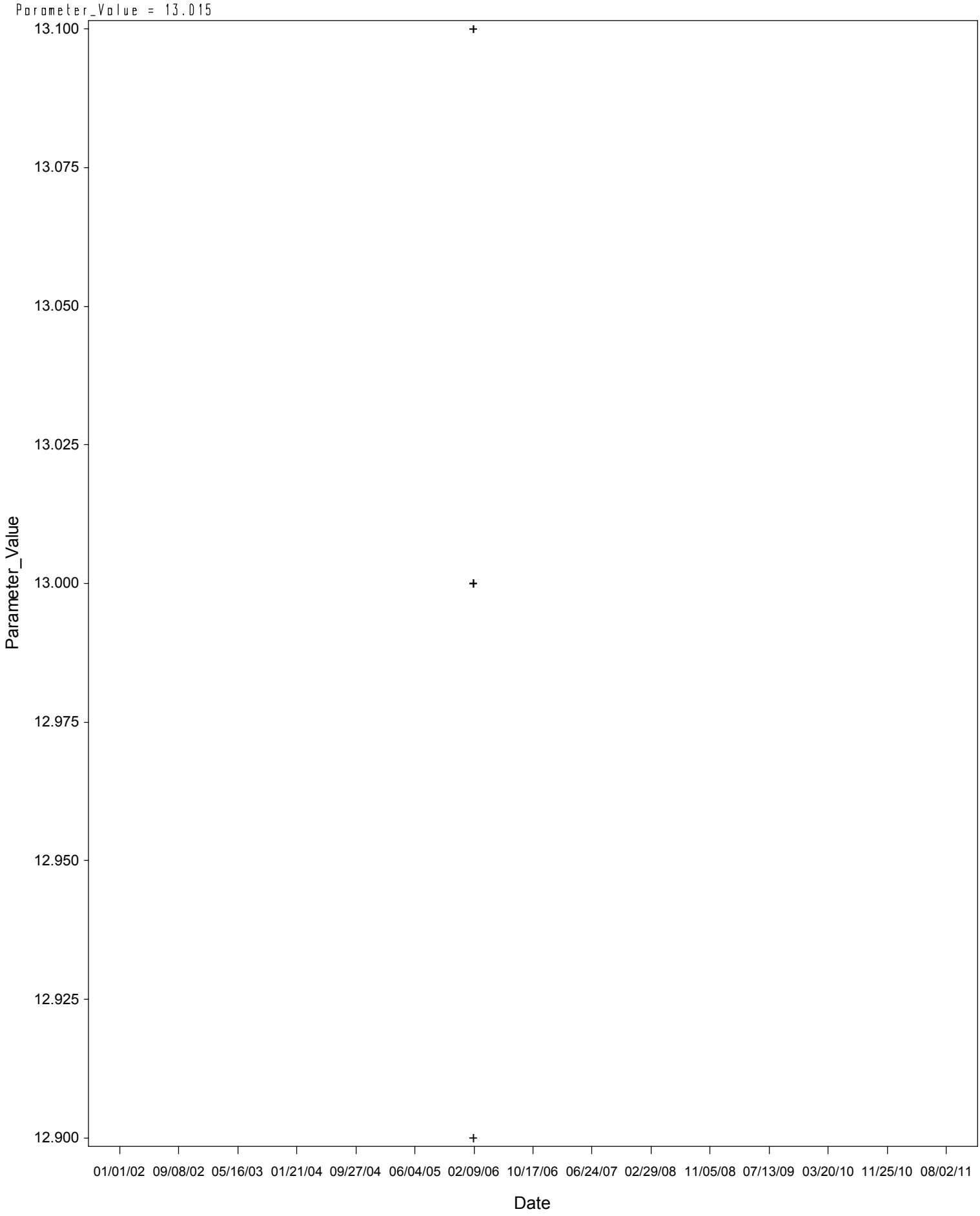
Rio Grande Above Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13225



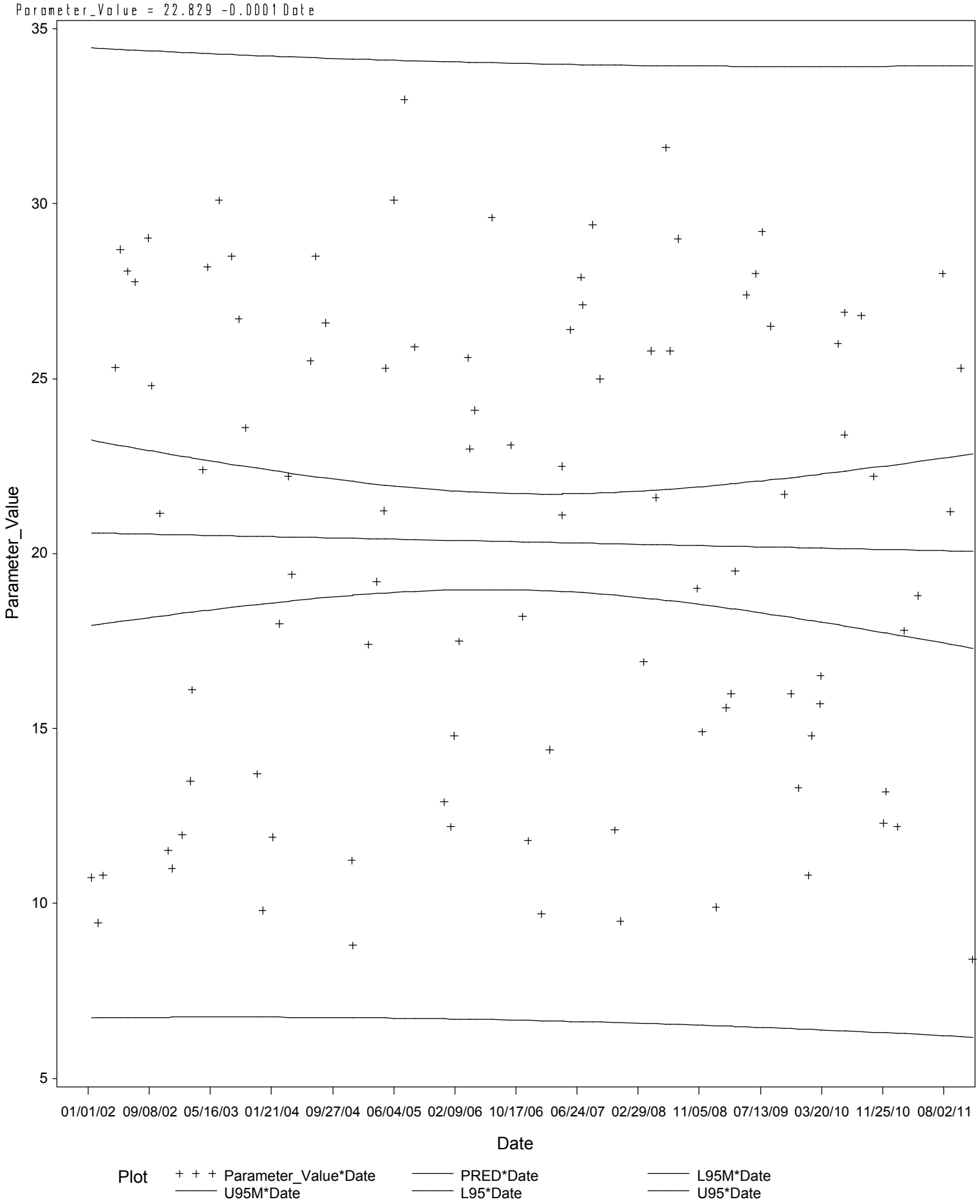
Rio Grande Above Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13227



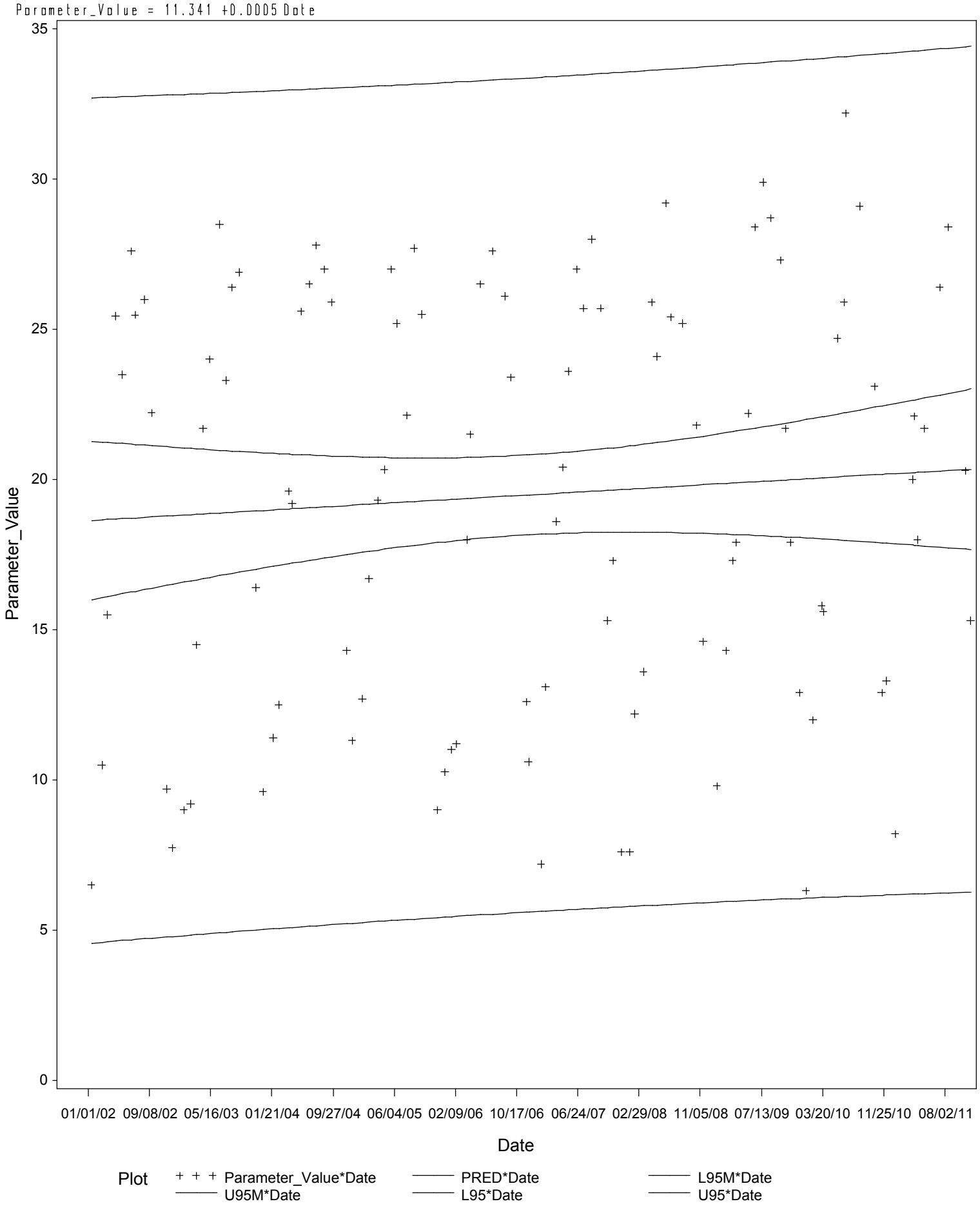
Rio Grande Above Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13228



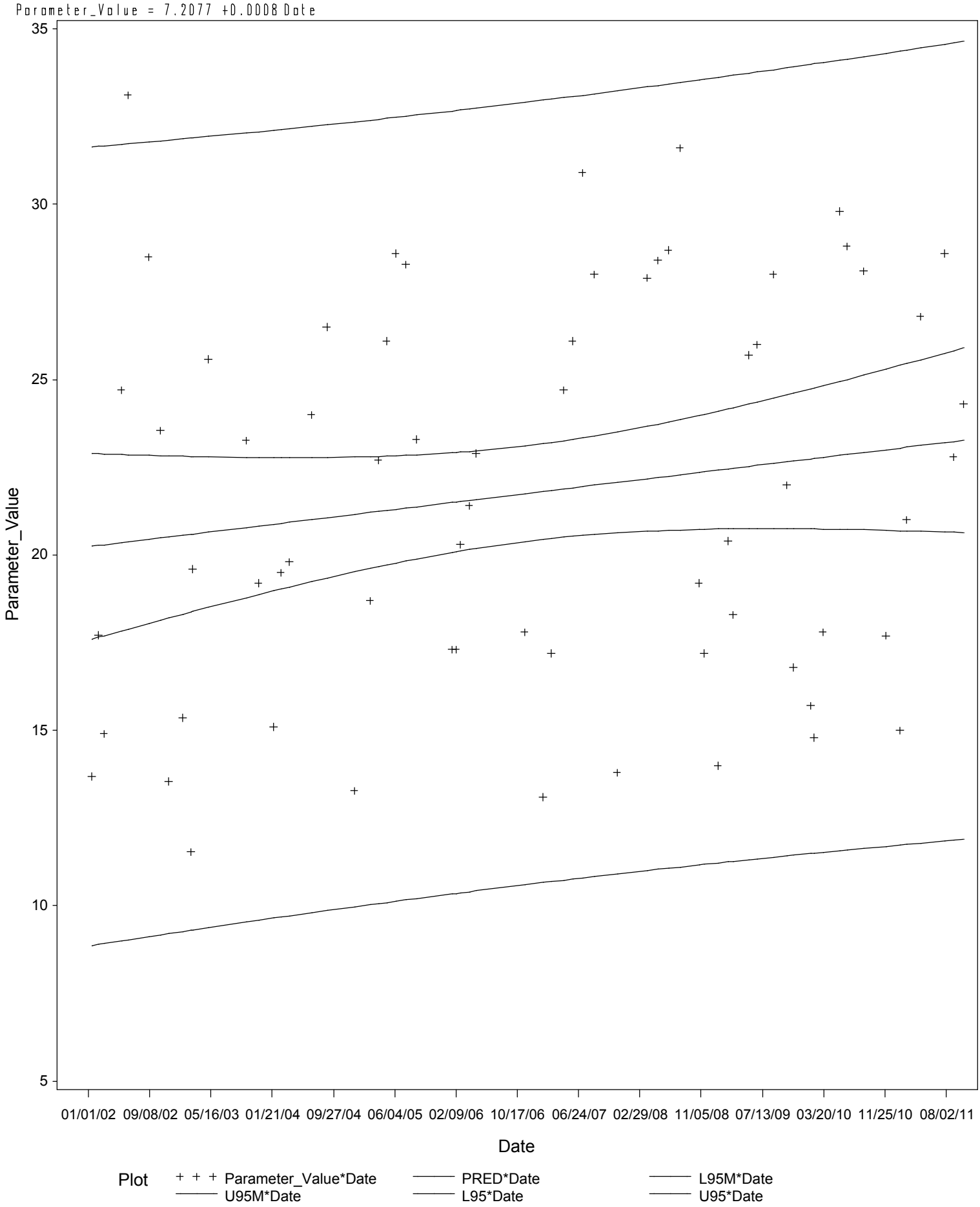
Rio Grande Above Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13229



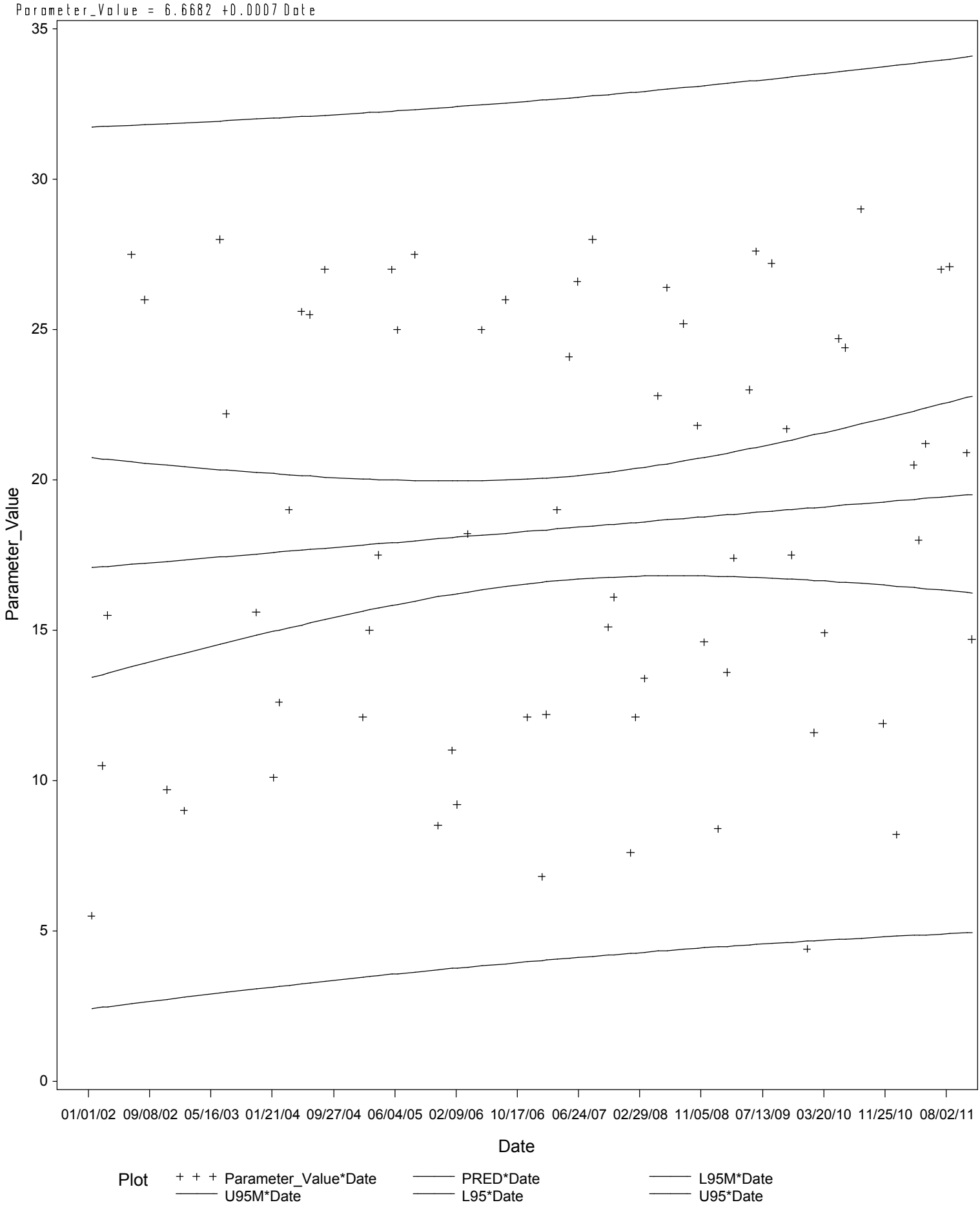
Rio Grande Above Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=16730



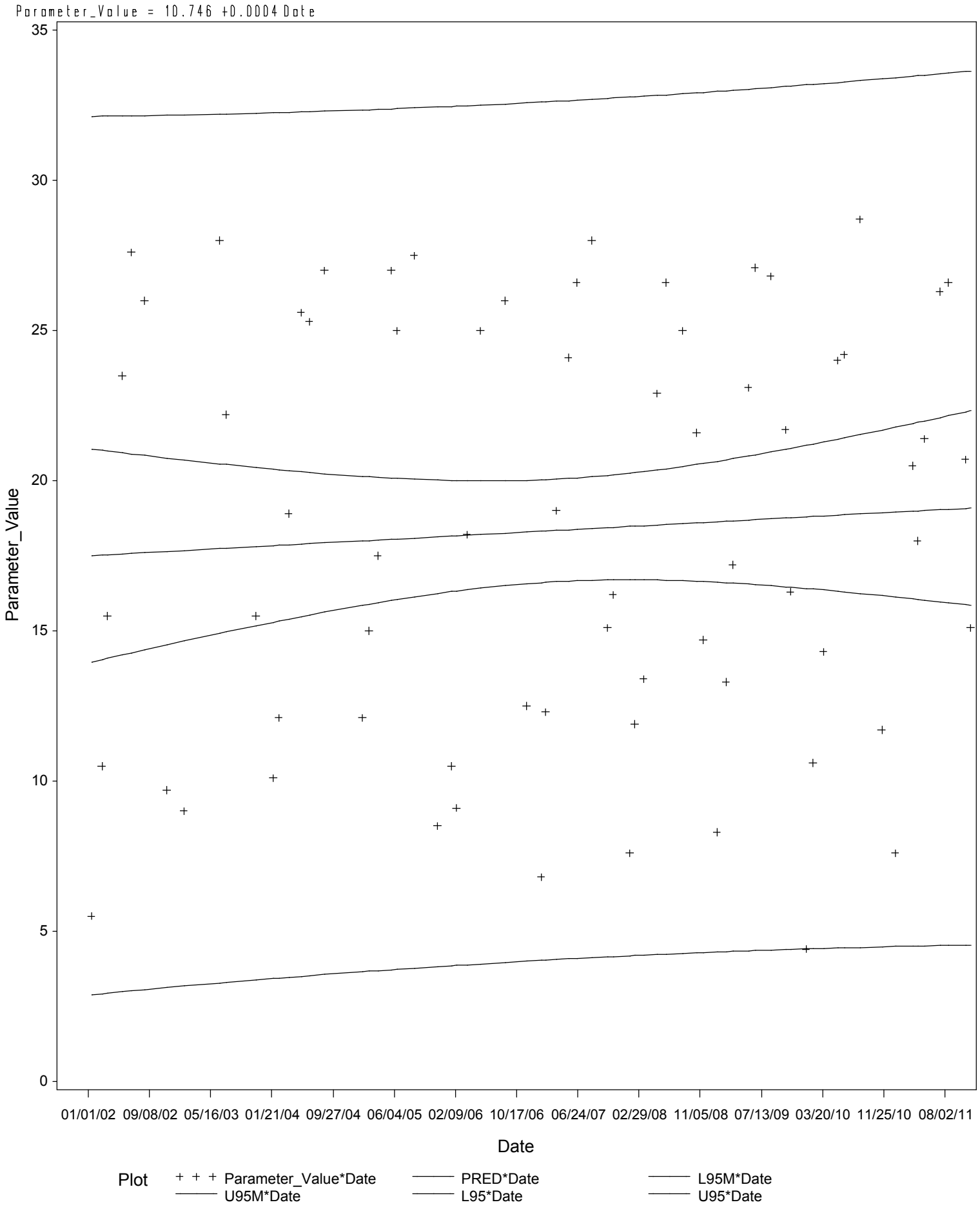
Rio Grande Above Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=17000



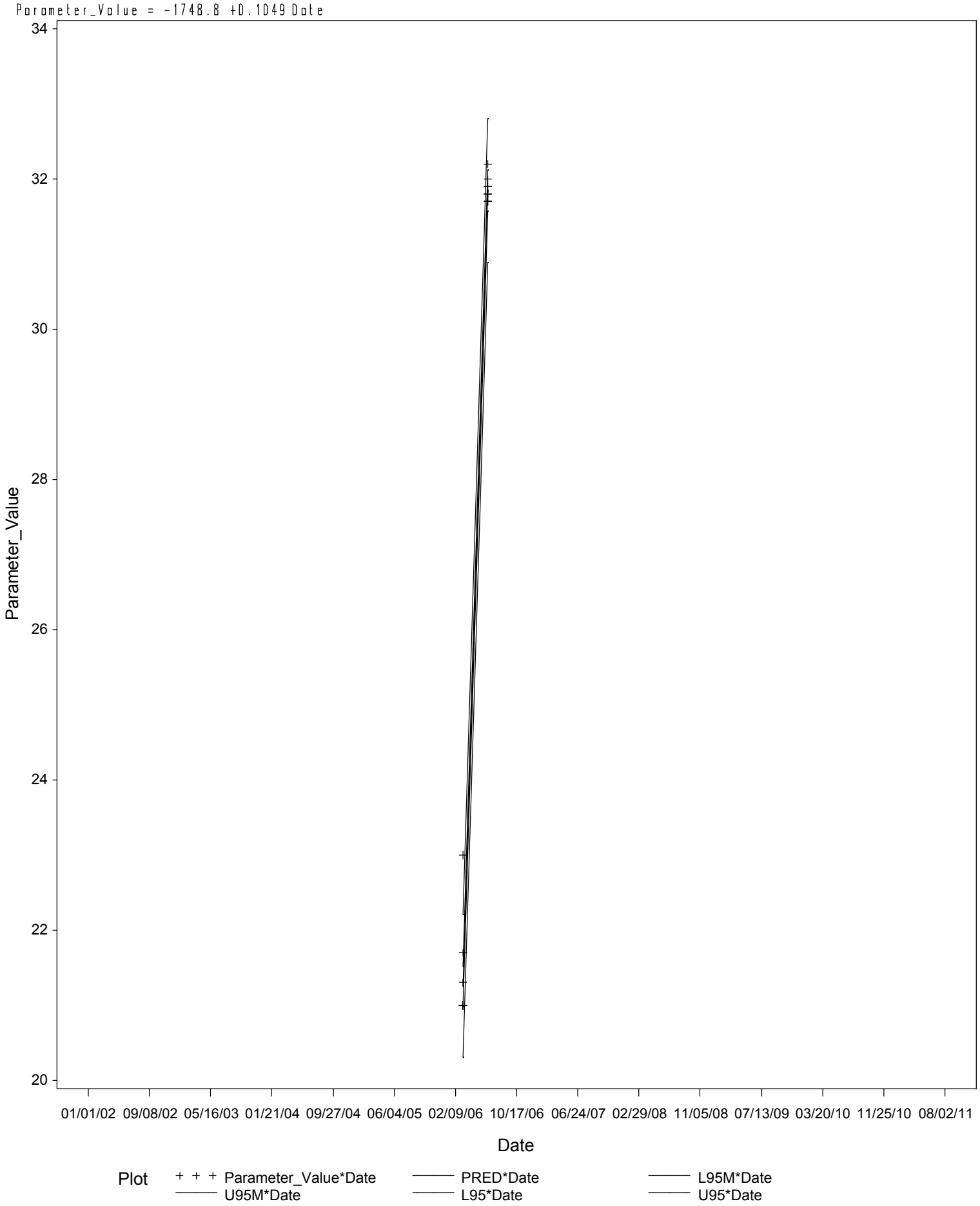
Rio Grande Above Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=17001



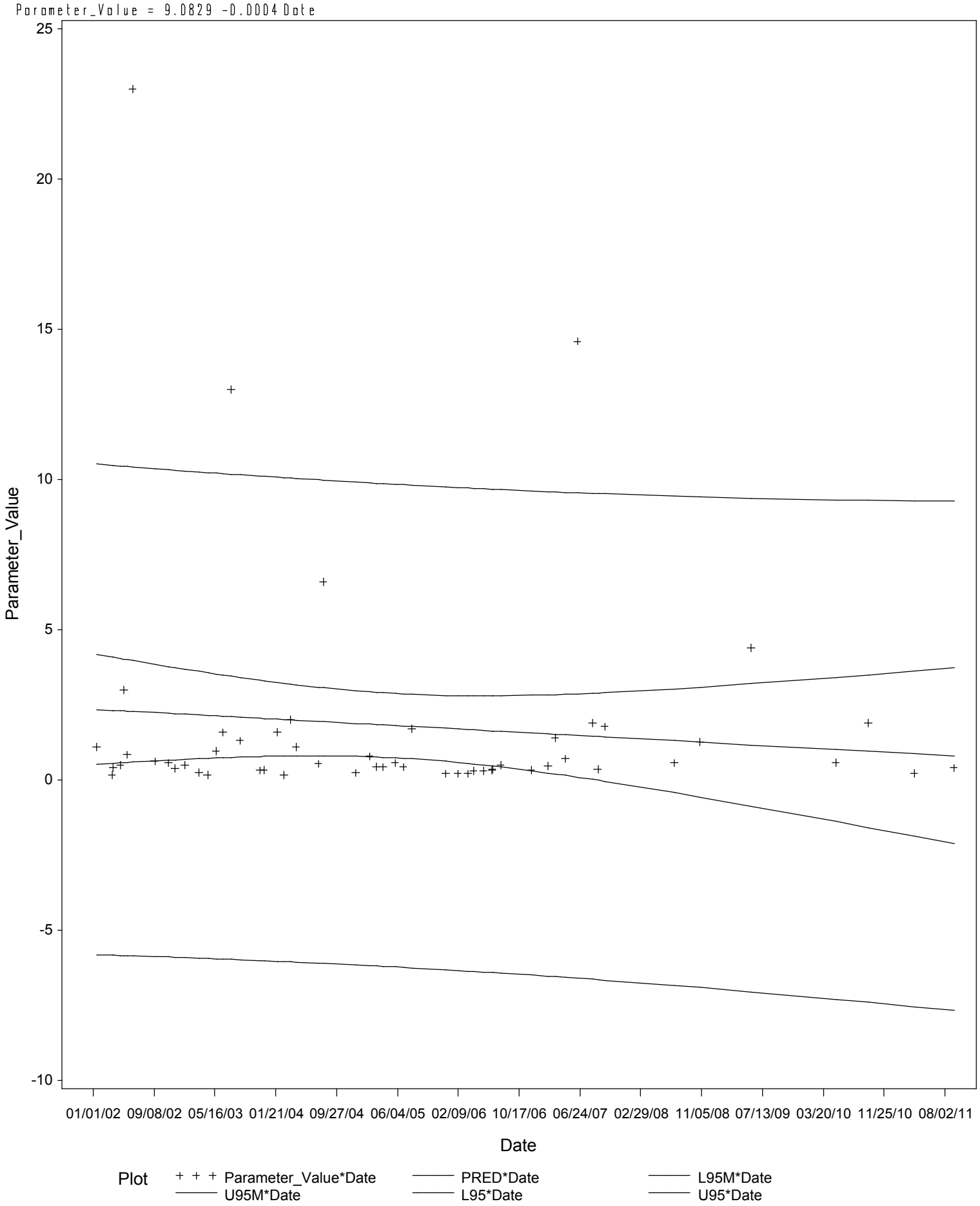
Rio Grande Above Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=20623



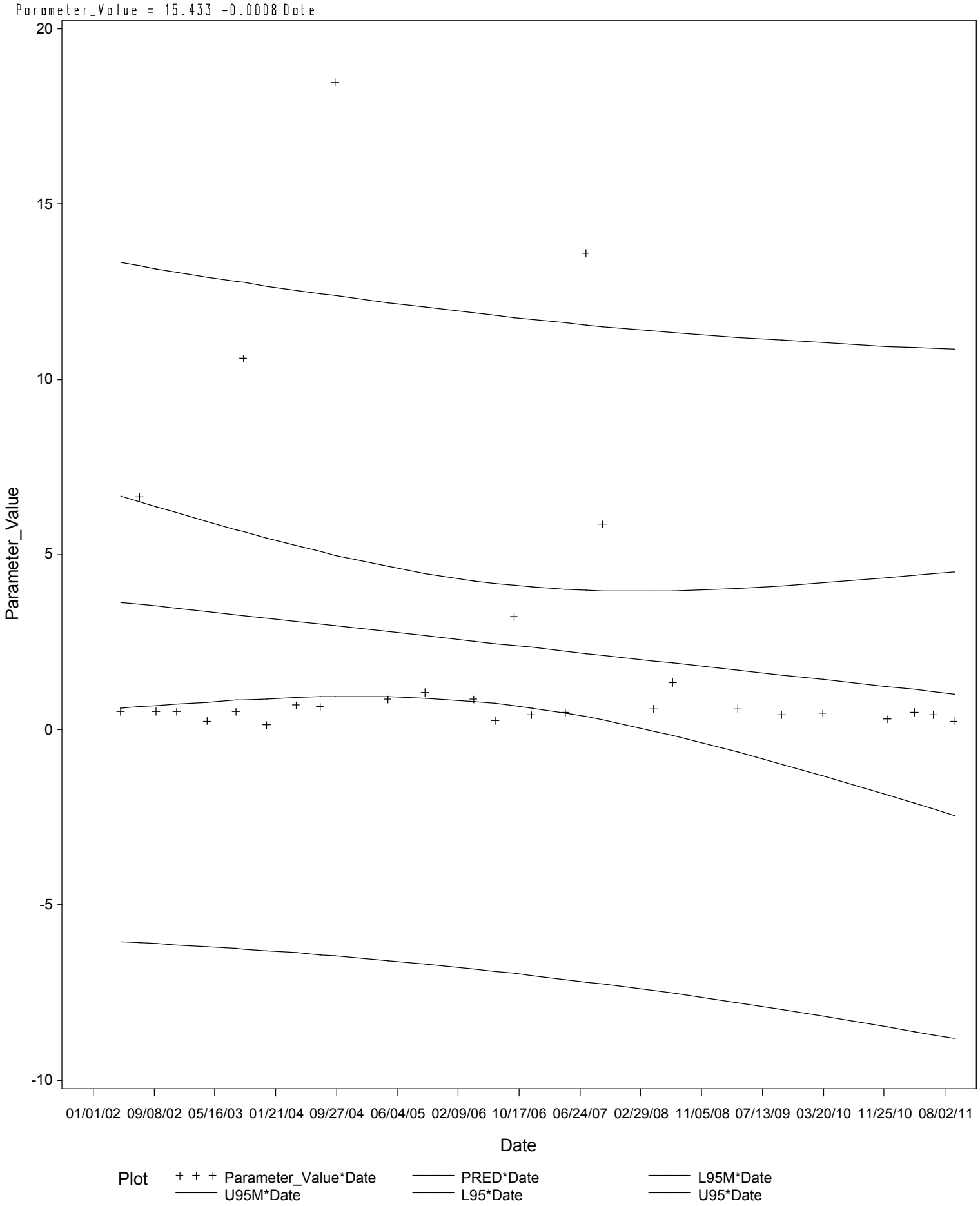
Rio Grande Above Amistad Reservoir

Parameter=TKN (MG/L AS N) Station=13223



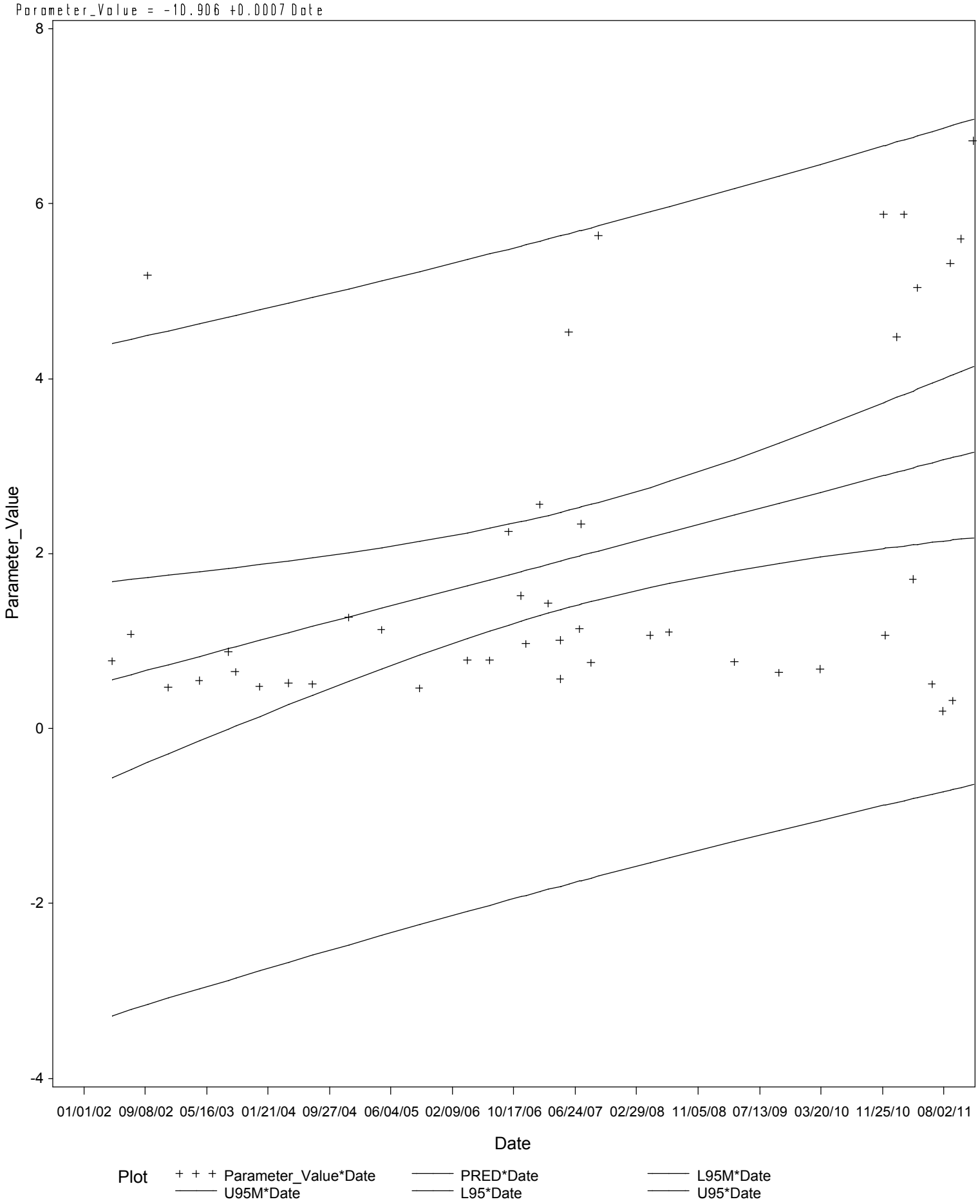
Rio Grande Above Amistad Reservoir

Parameter=TKN (MG/L AS N) Station=13225



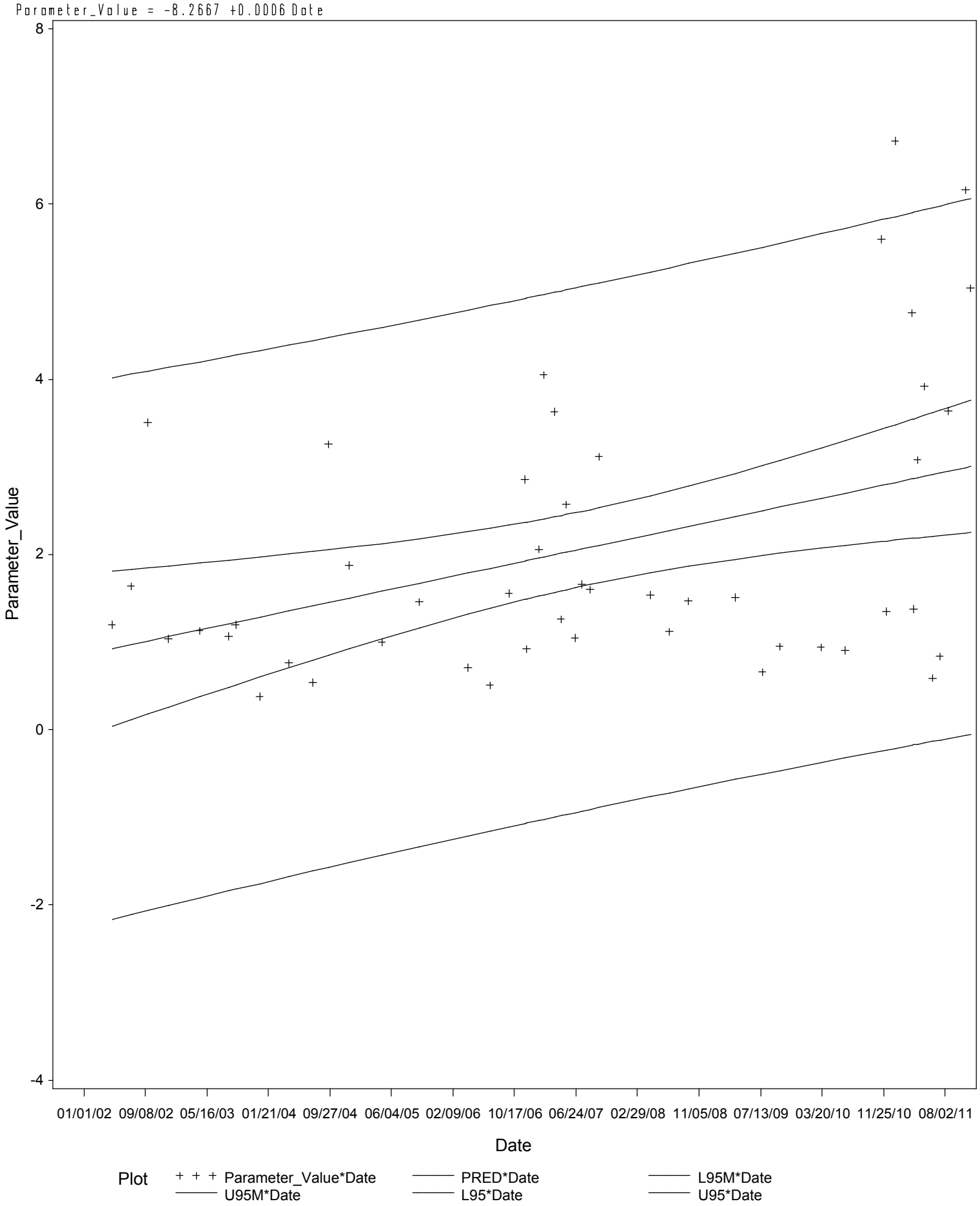
Rio Grande Above Amistad Reservoir

Parameter=TKN (MG/L AS N) Station=13228



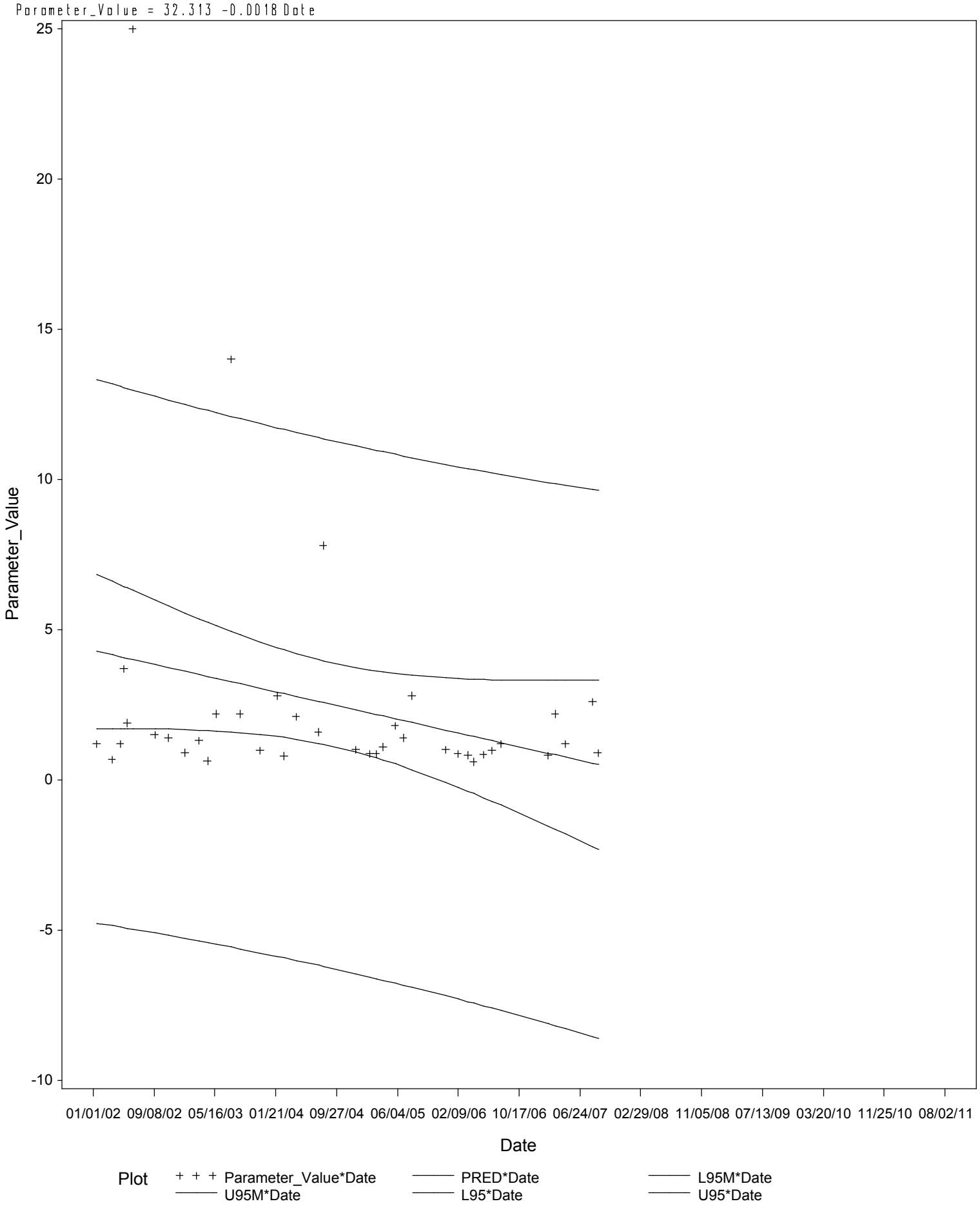
Rio Grande Above Amistad Reservoir

Parameter=TKN (MG/L AS N) Station=13229



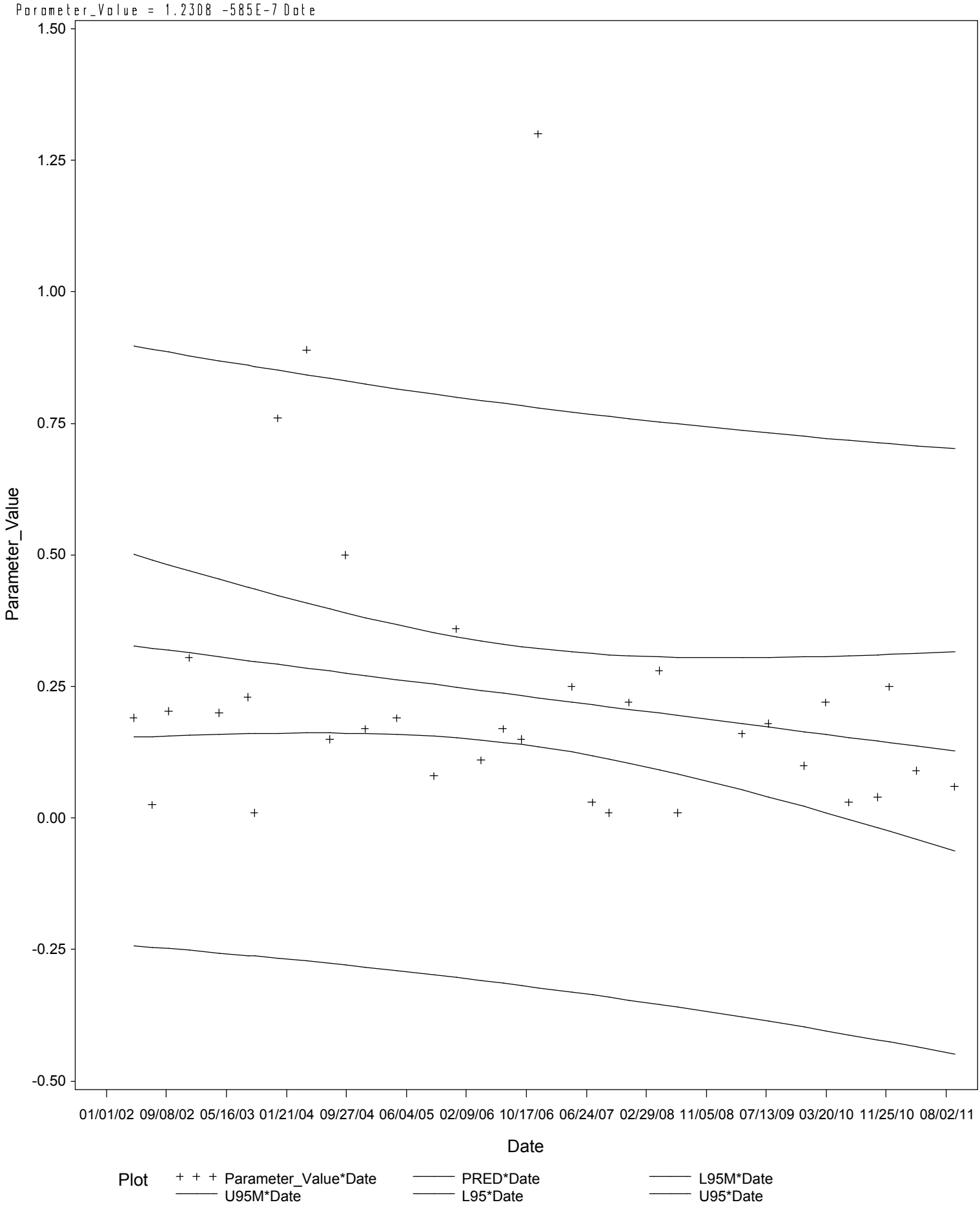
Rio Grande Above Amistad Reservoir

Parameter=TOTAL NITROGEN (MG/L AS N) Station=13223



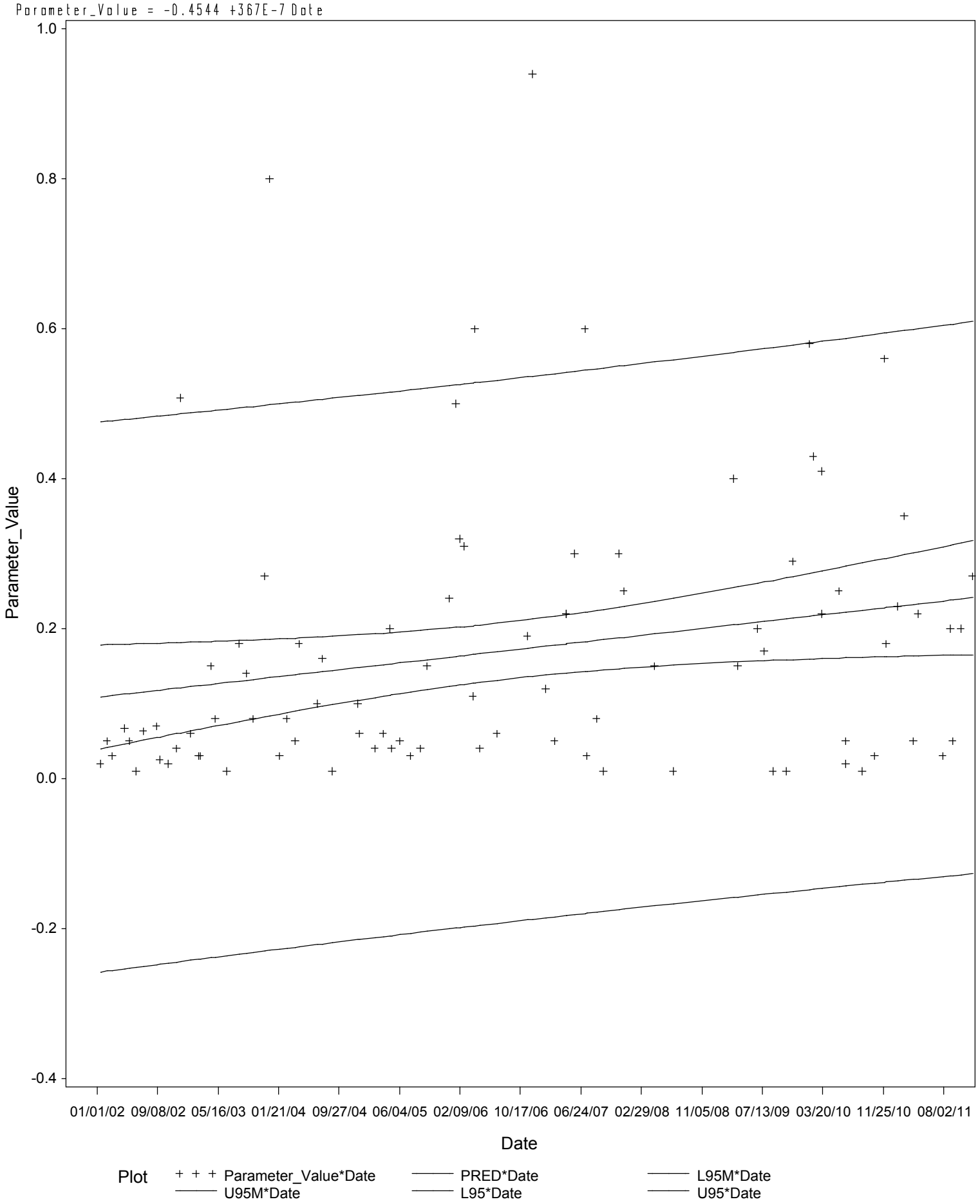
Rio Grande Above Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13225



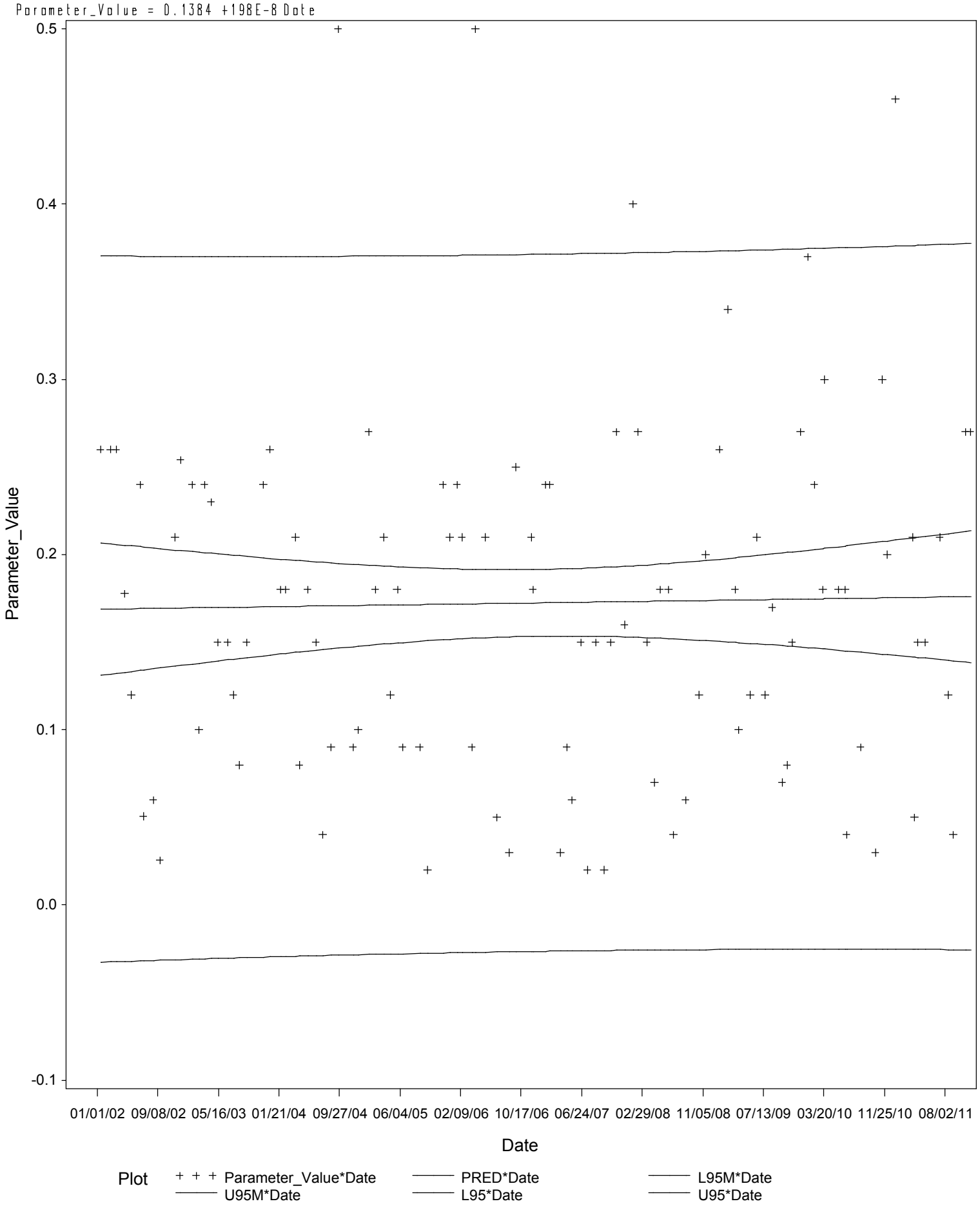
Rio Grande Above Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13228



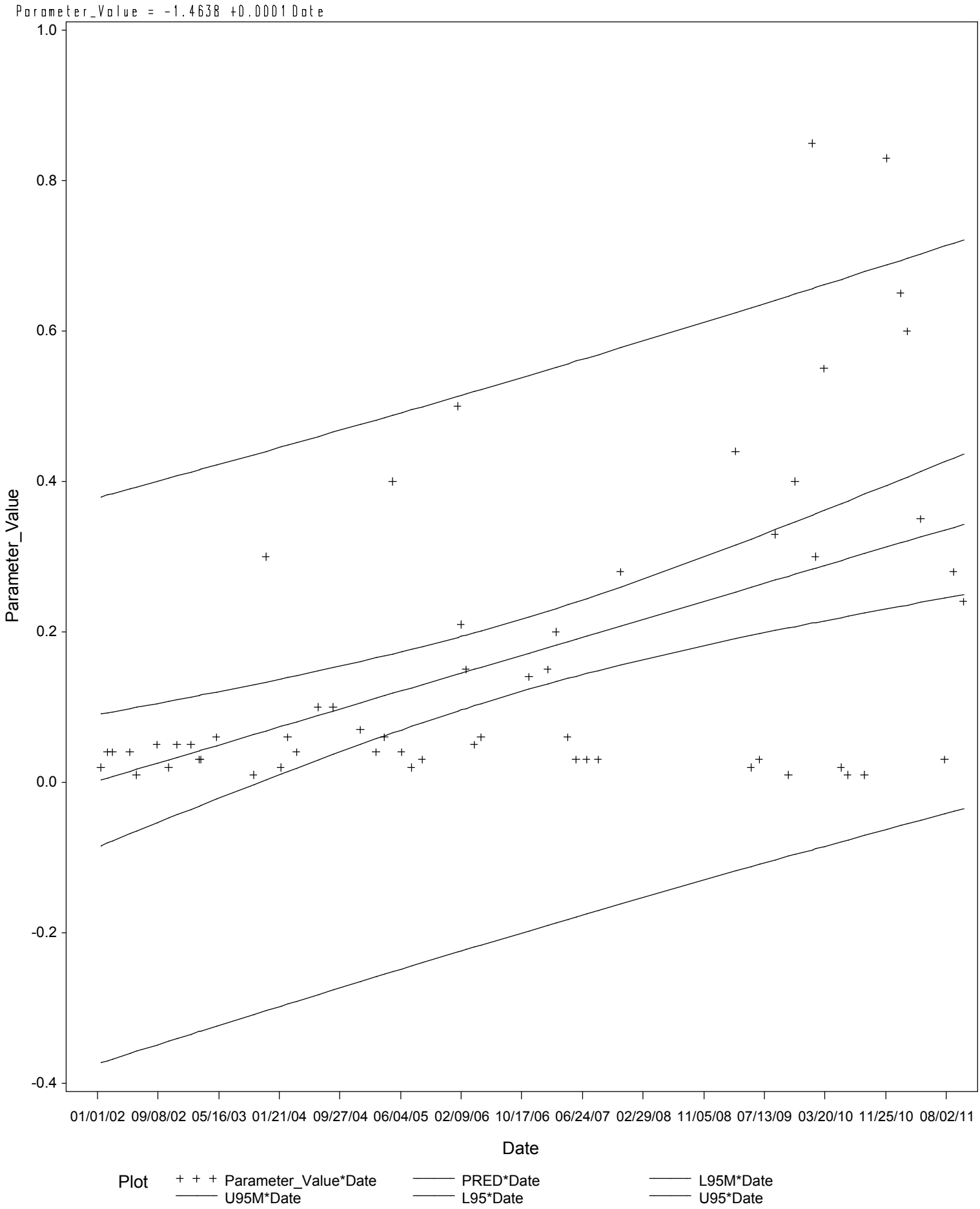
Rio Grande Above Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13229



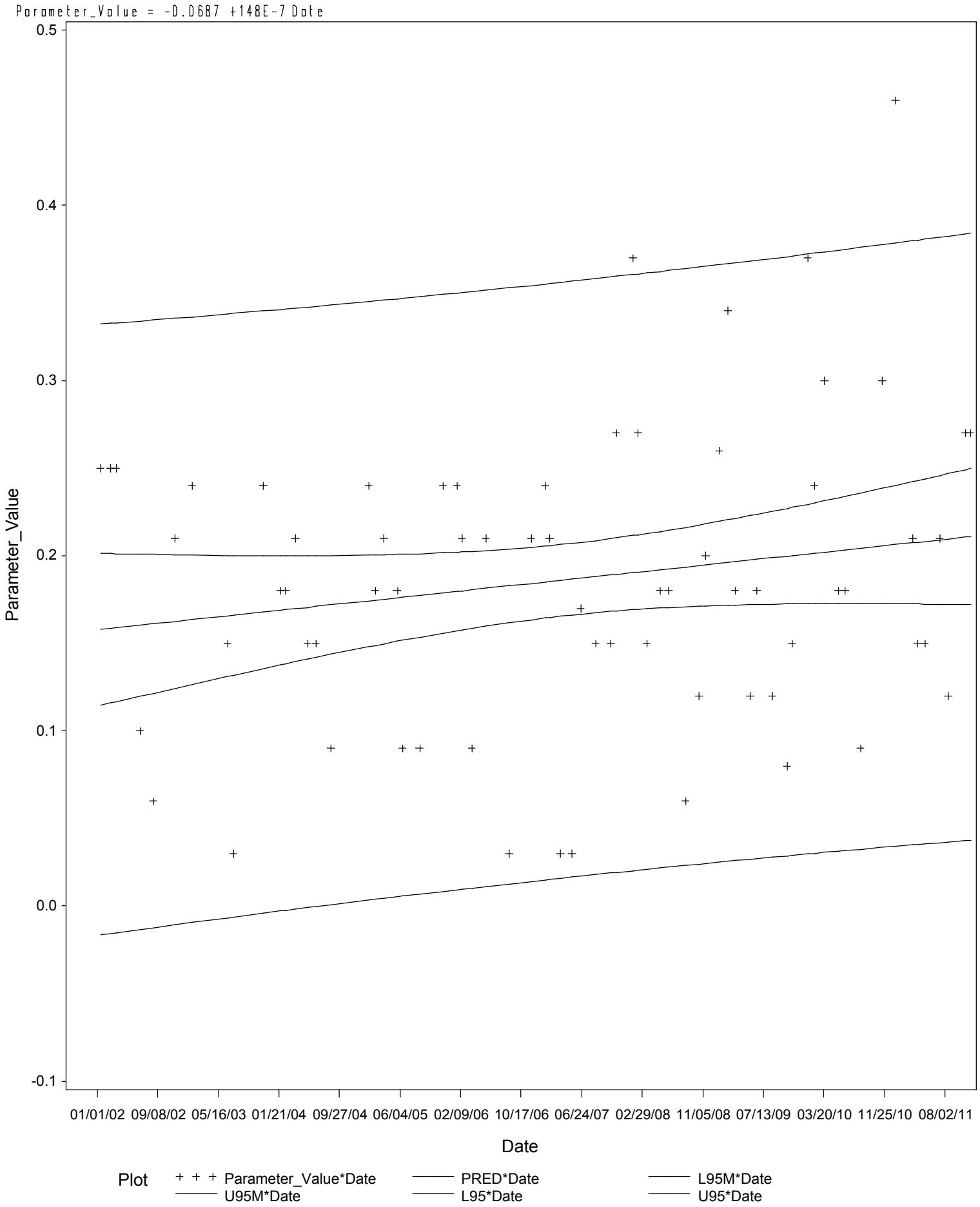
Rio Grande Above Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=16730



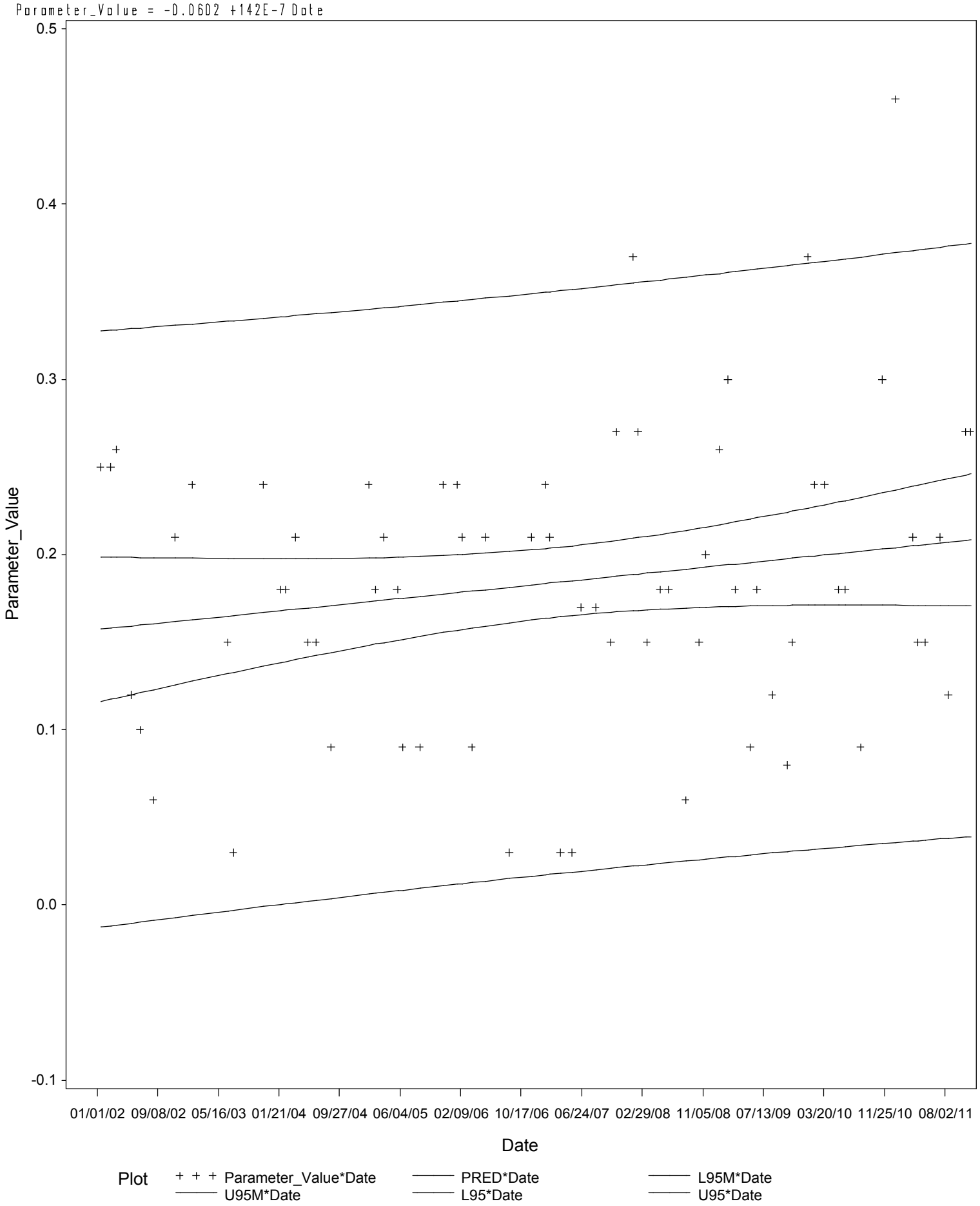
Rio Grande Above Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=17000



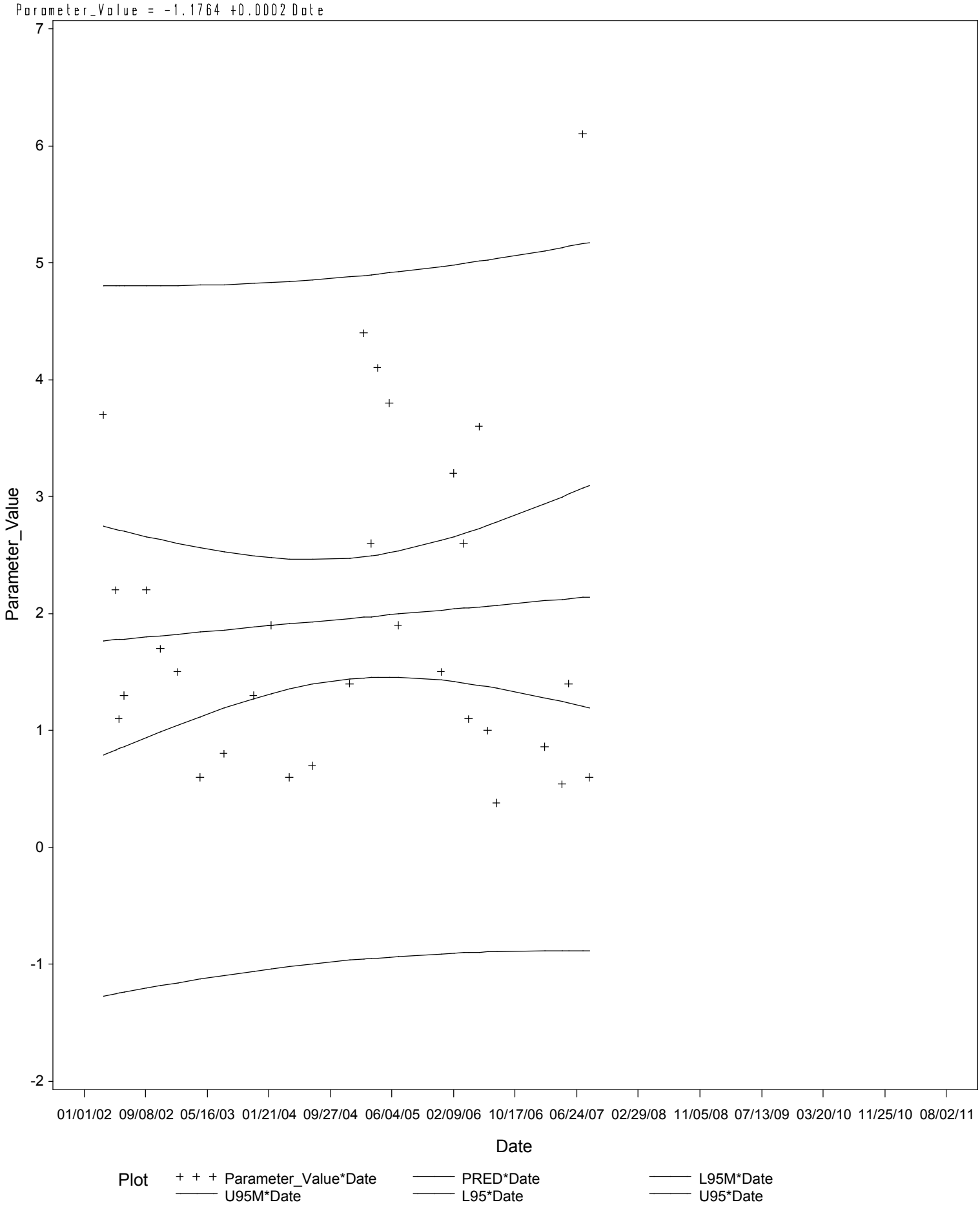
Rio Grande Above Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=17001

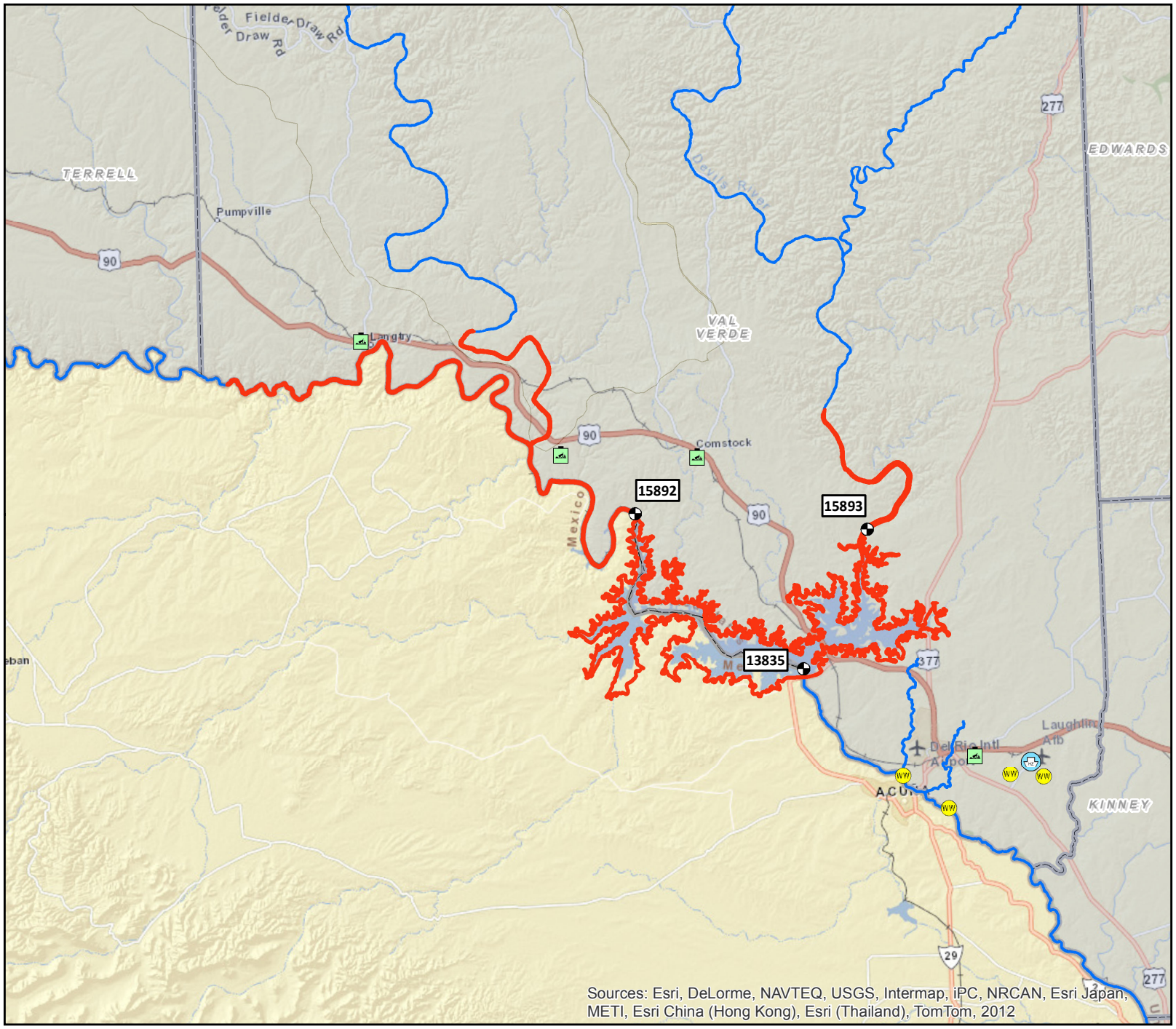


Rio Grande Above Amistad Reservoir

Parameter=ZINC, DISSOLVED (UG/L AS ZN) Station=13223



5. Upper Rio Grande Segment 2305



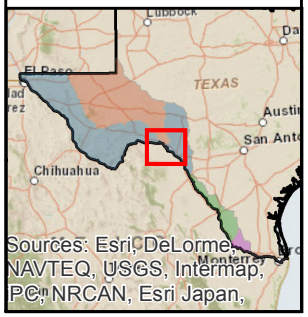
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Upper Rio Grande
Segment ID: 2305
Name: International Amistad Reservoir

LEGEND

- Monitoring Station (3)
- Wastewater Outfall (4)
- Hazardous Waste (1)
- Landfill (4)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



0 5 10 MILES

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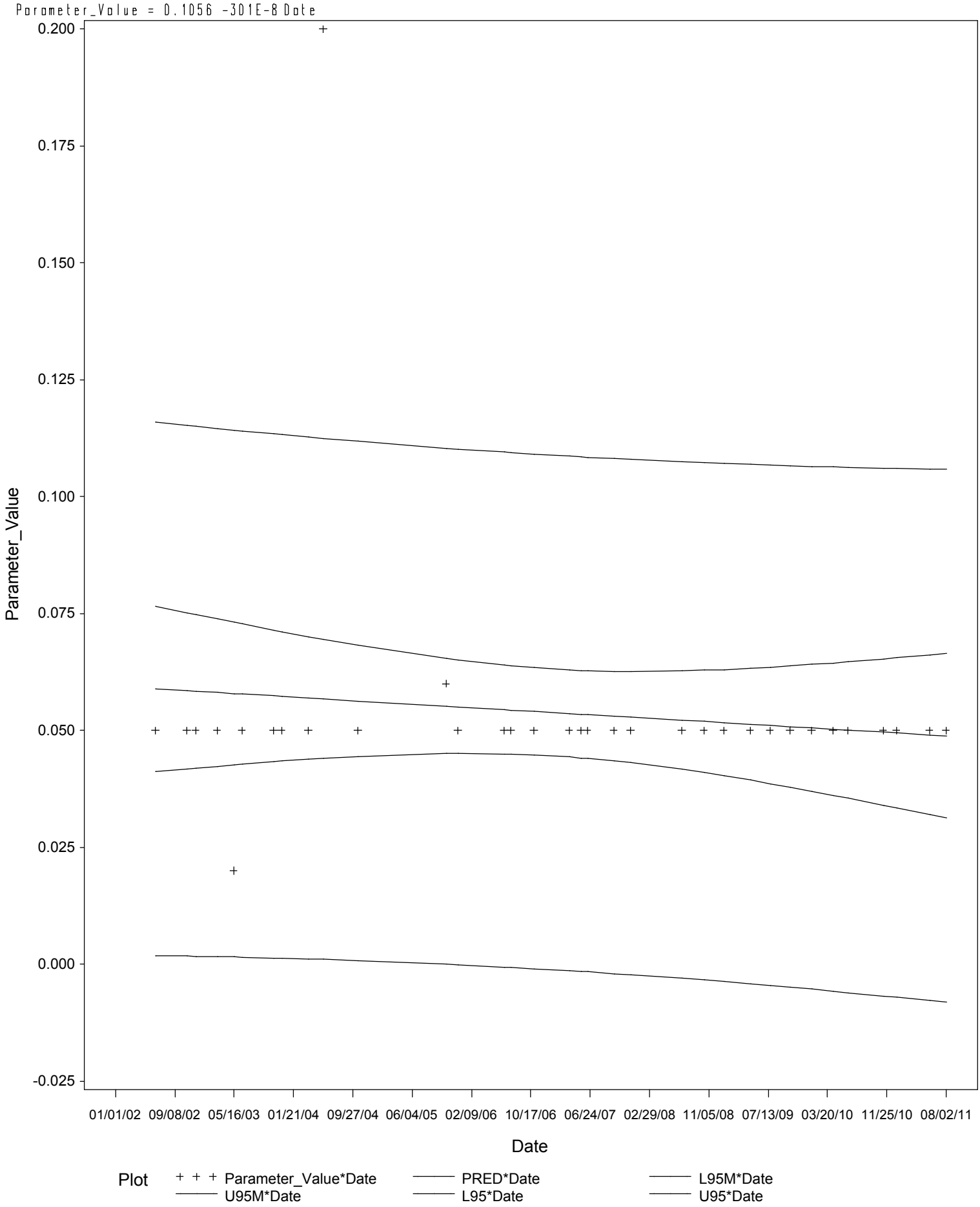
HDR ENVIRONMENTAL, OPERATIONS AND CONSTRUCTION, INC
184 CREEKSIDE PARK, SUITE 100
SPRING BRANCH, TX 78070-6230
210.253.6528

AUG 2013

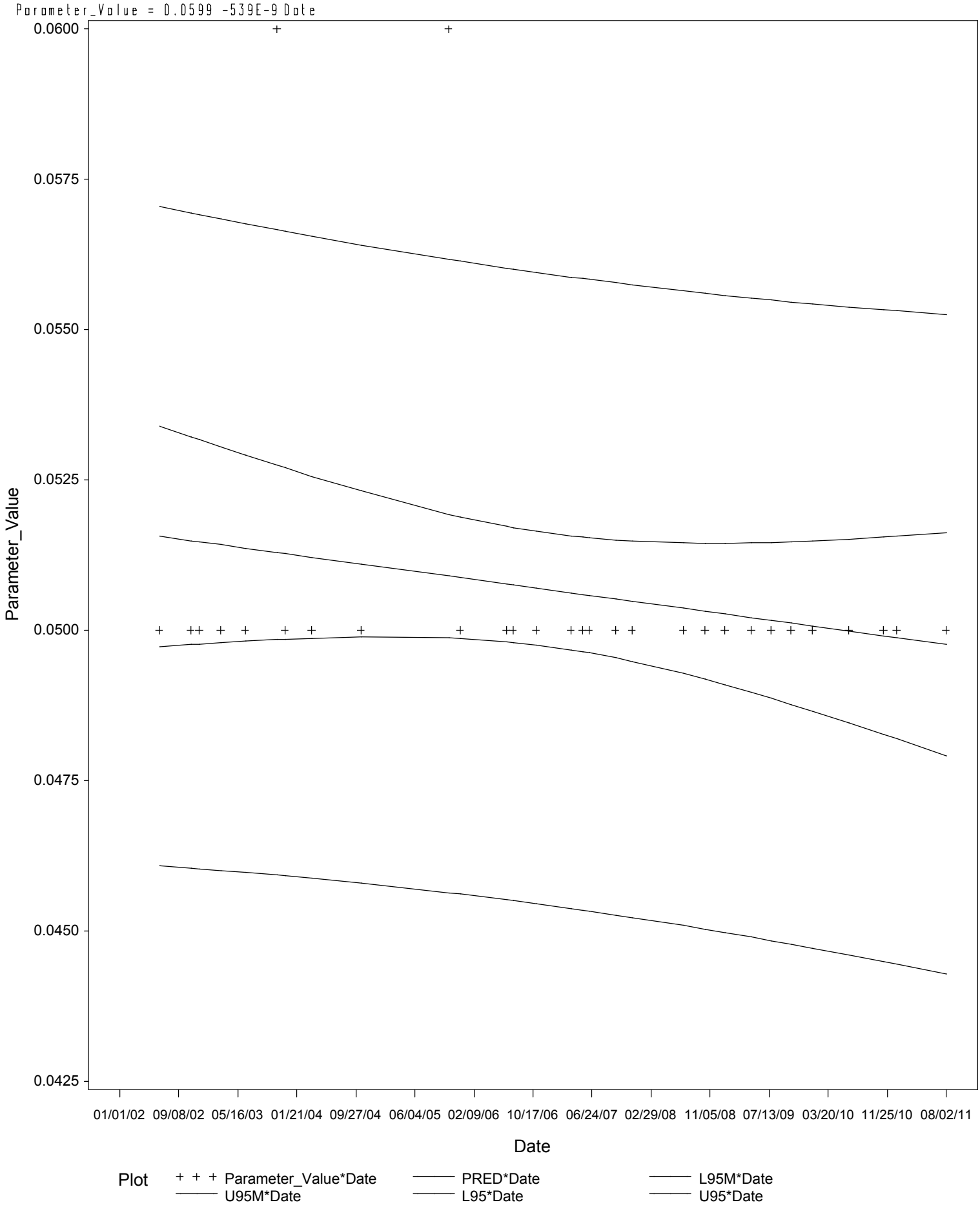
International Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13835



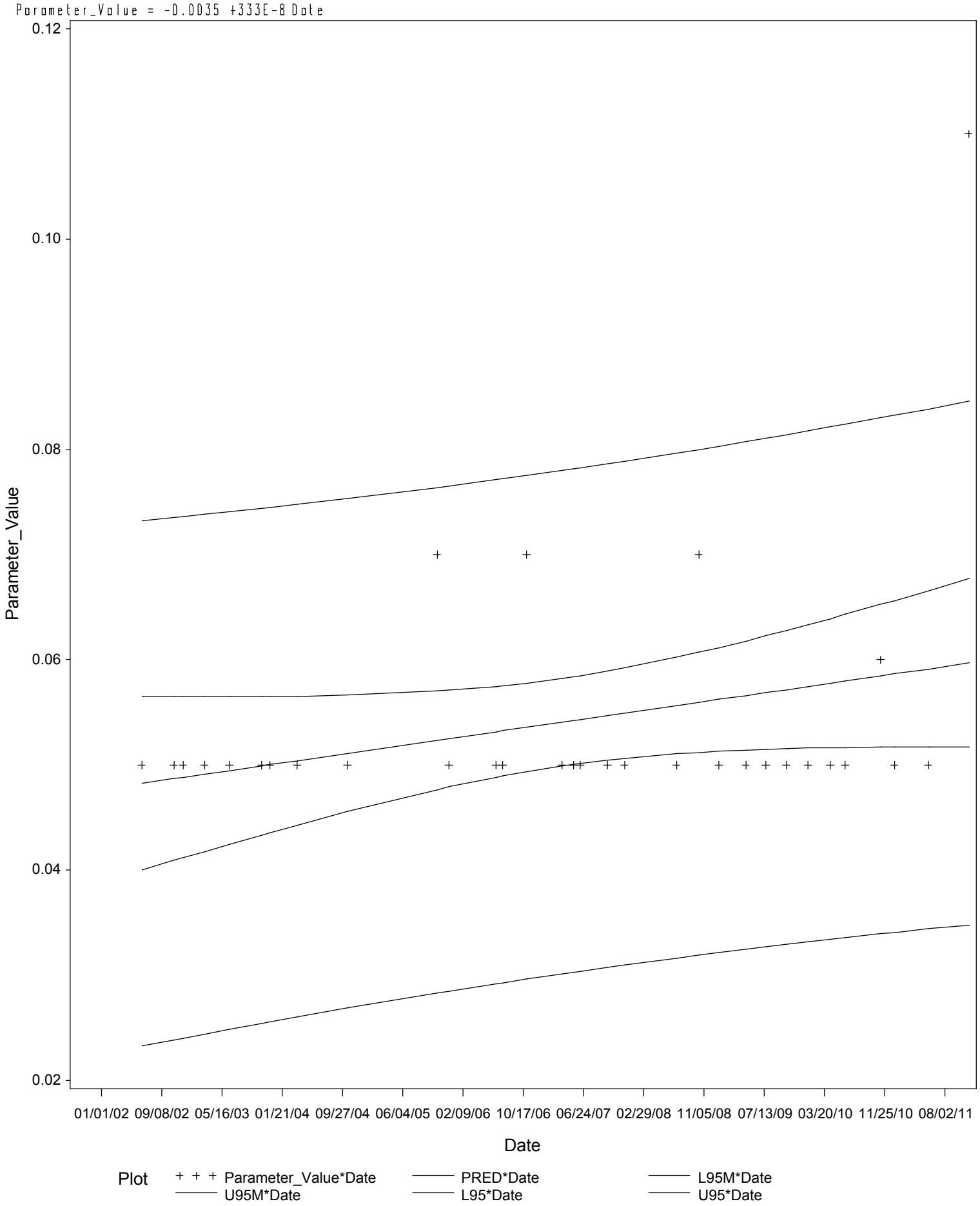
International Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15892

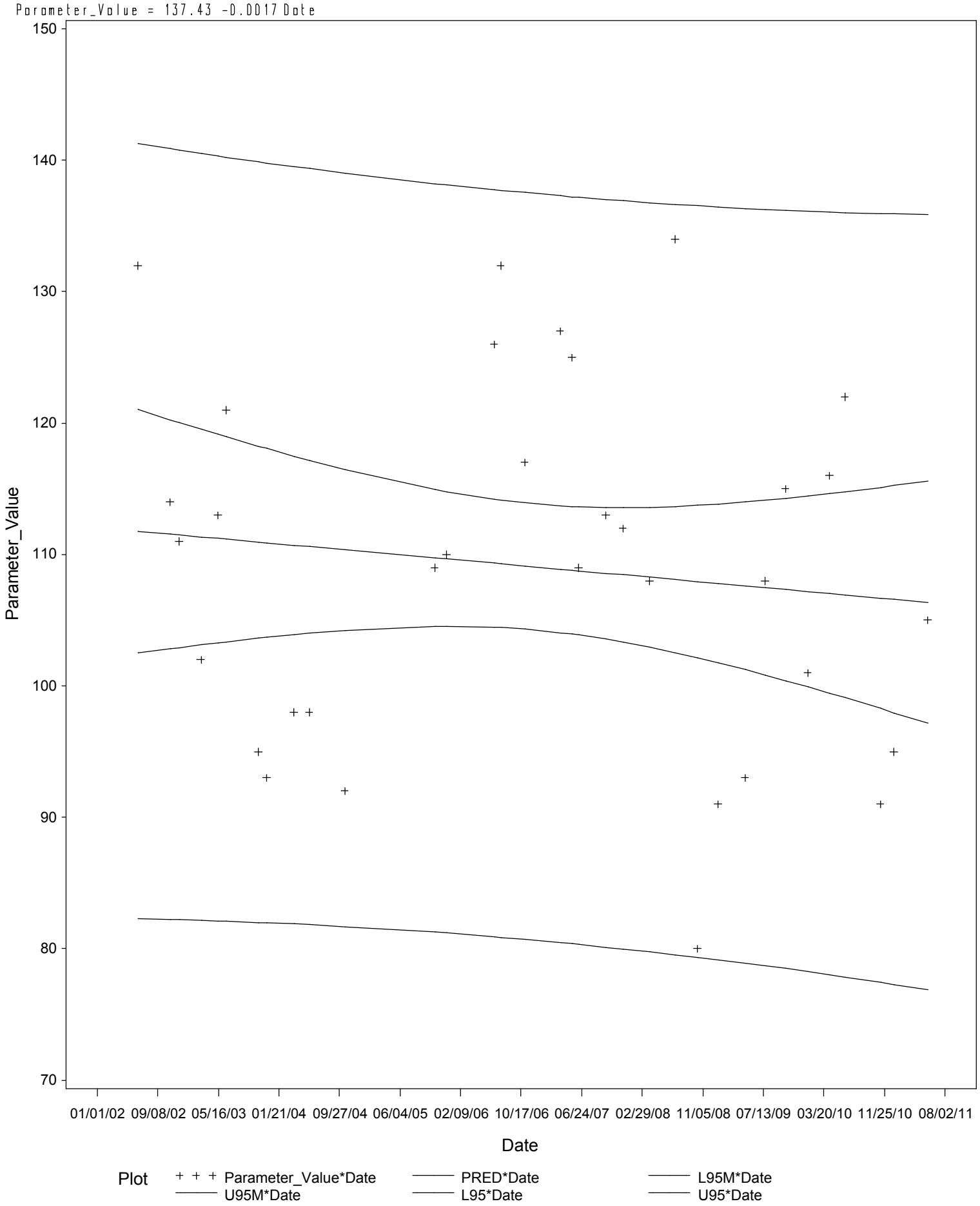


International Amistad Reservoir

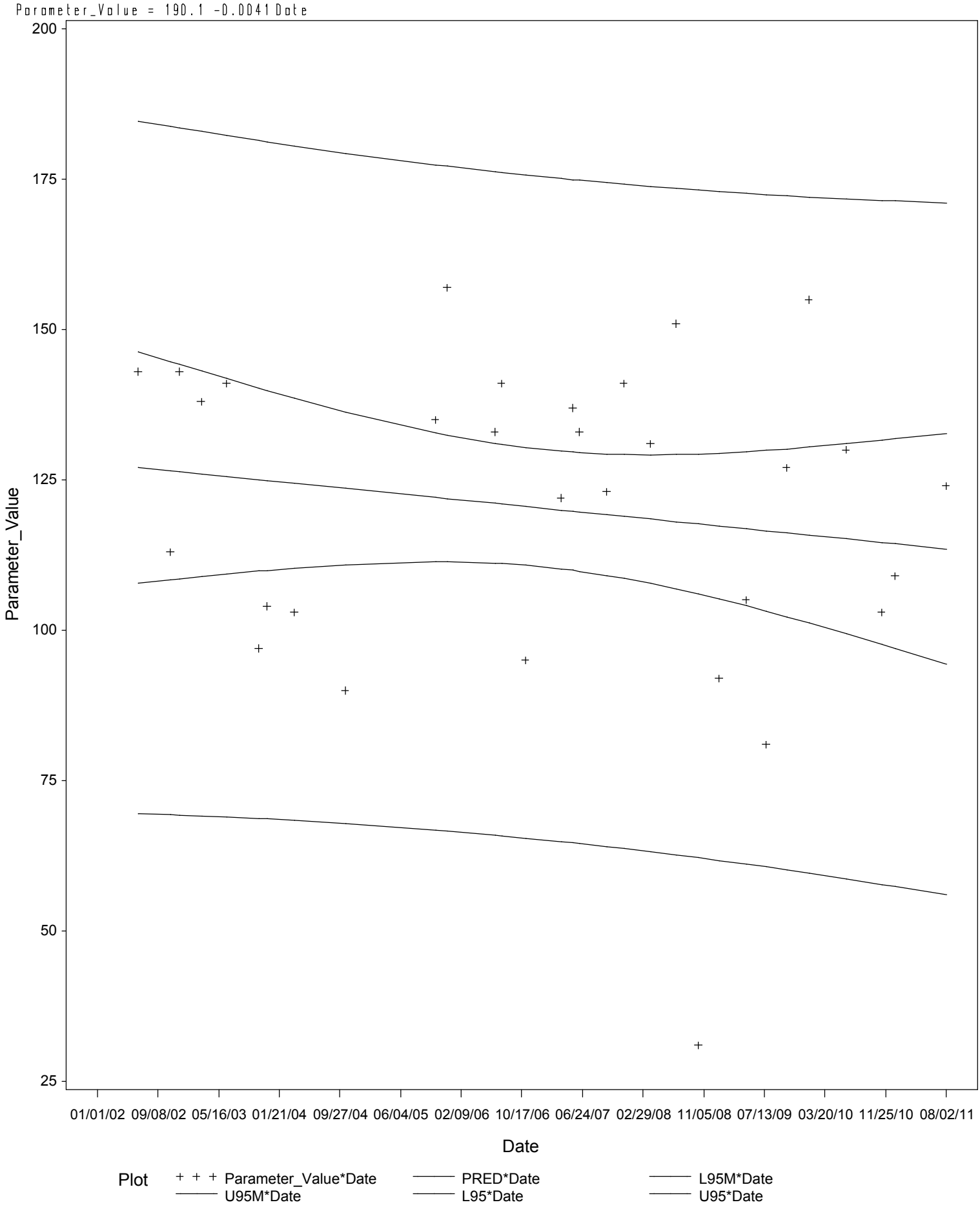
Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15893



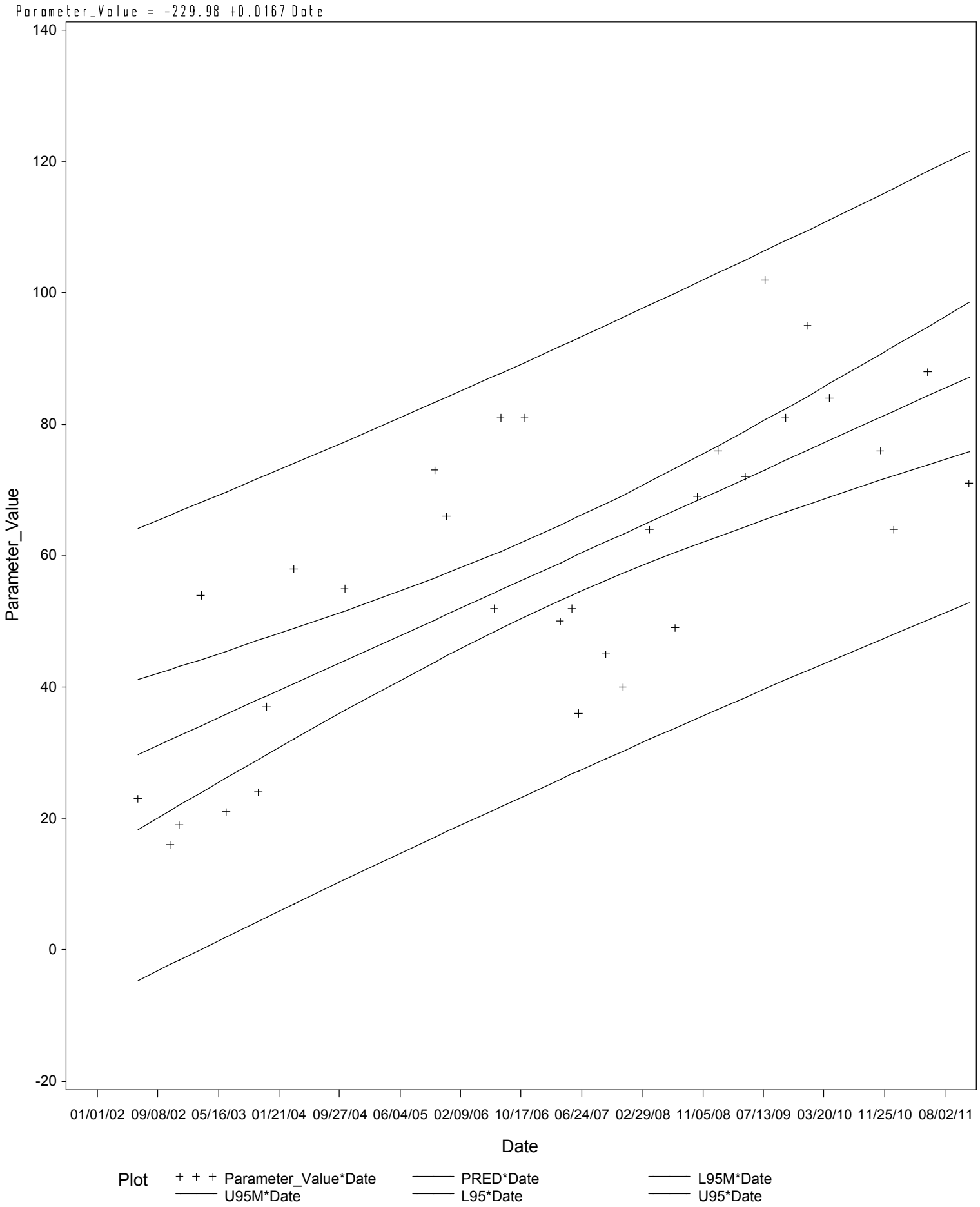
International Amistad Reservoir
Parameter=CHLORIDE (MG/L AS CL) Station=13835



International Amistad Reservoir
Parameter=CHLORIDE (MG/L AS CL) Station=15892

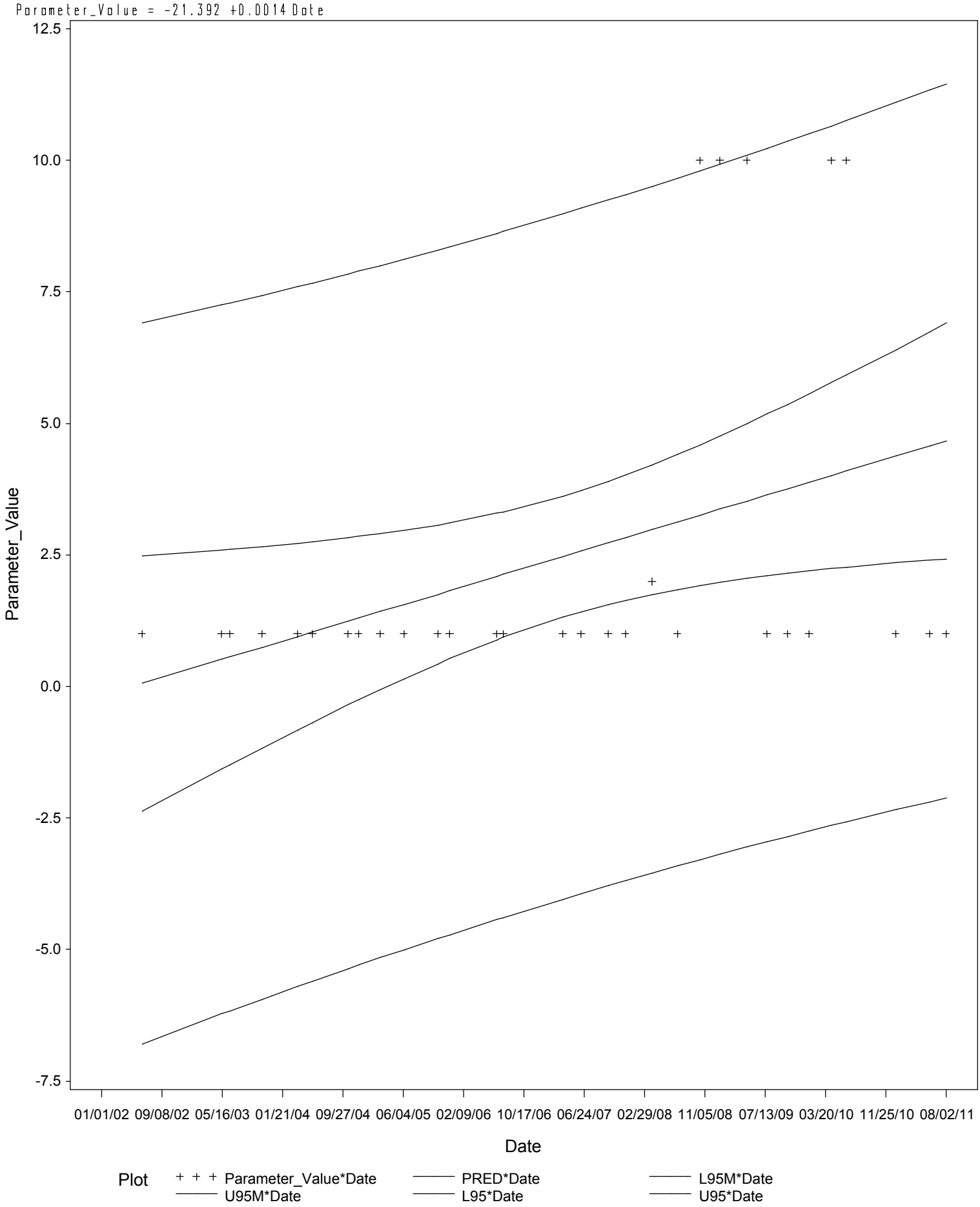


International Amistad Reservoir
Parameter=CHLORIDE (MG/L AS CL) Station=15893



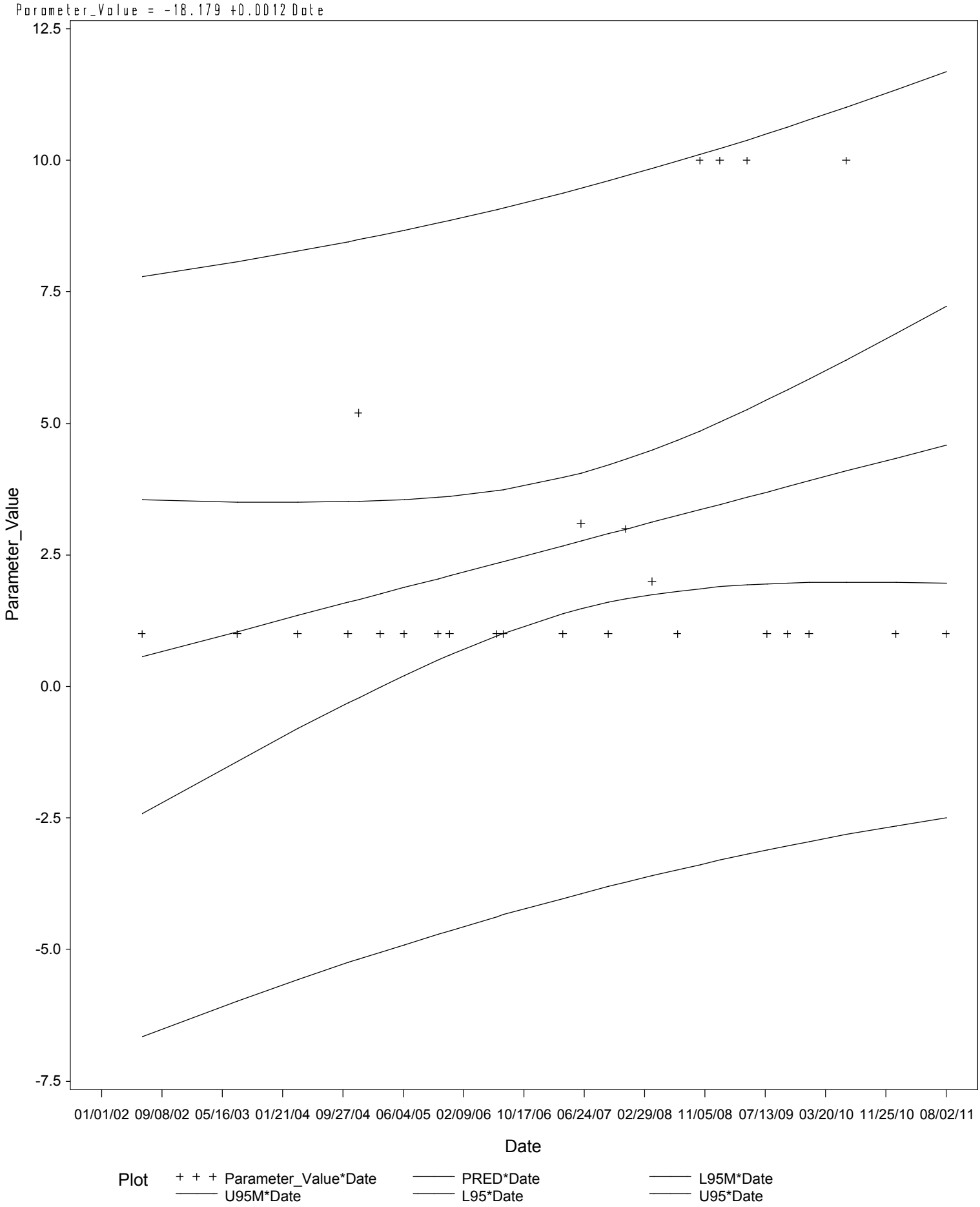
International Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=13835



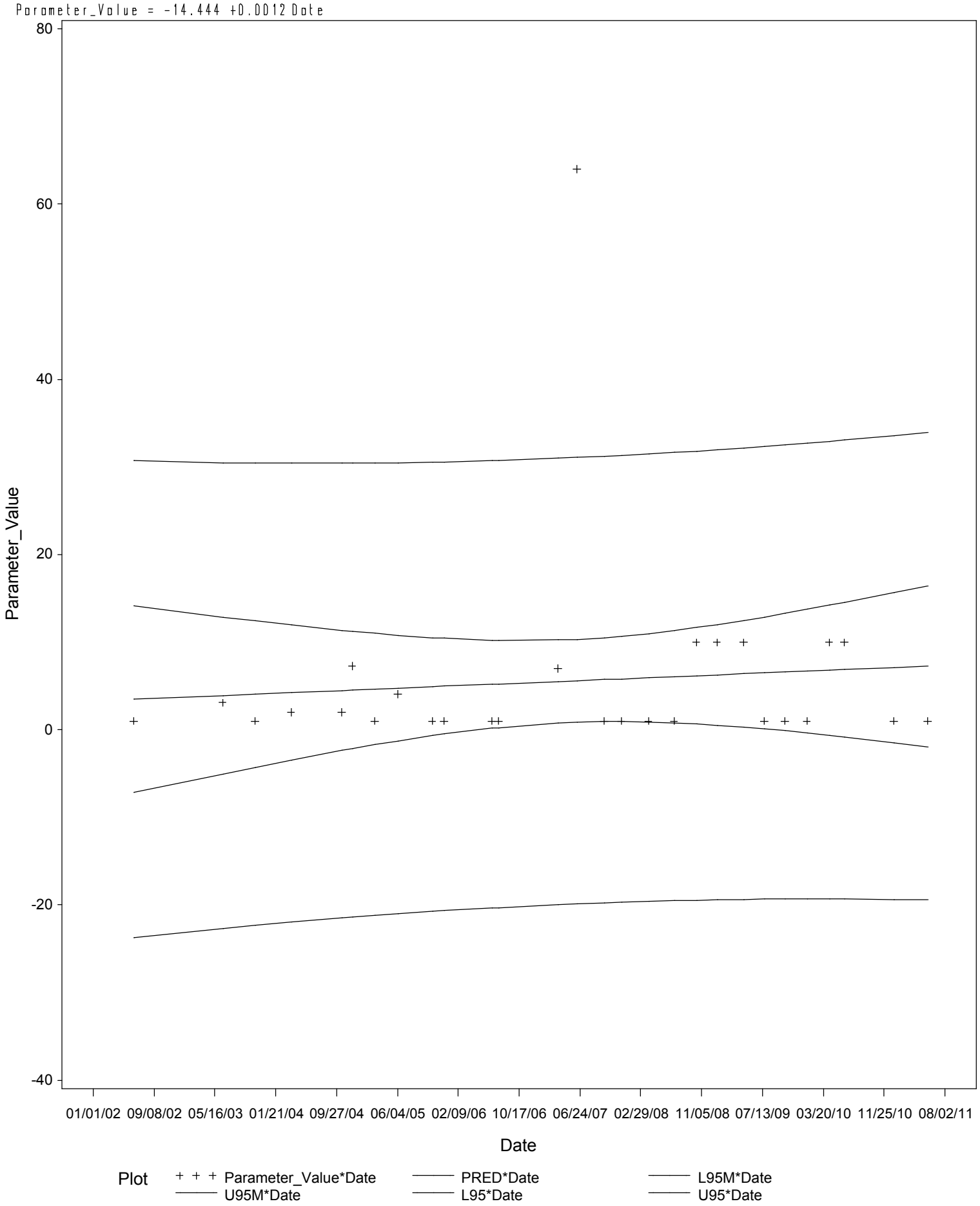
International Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=15892



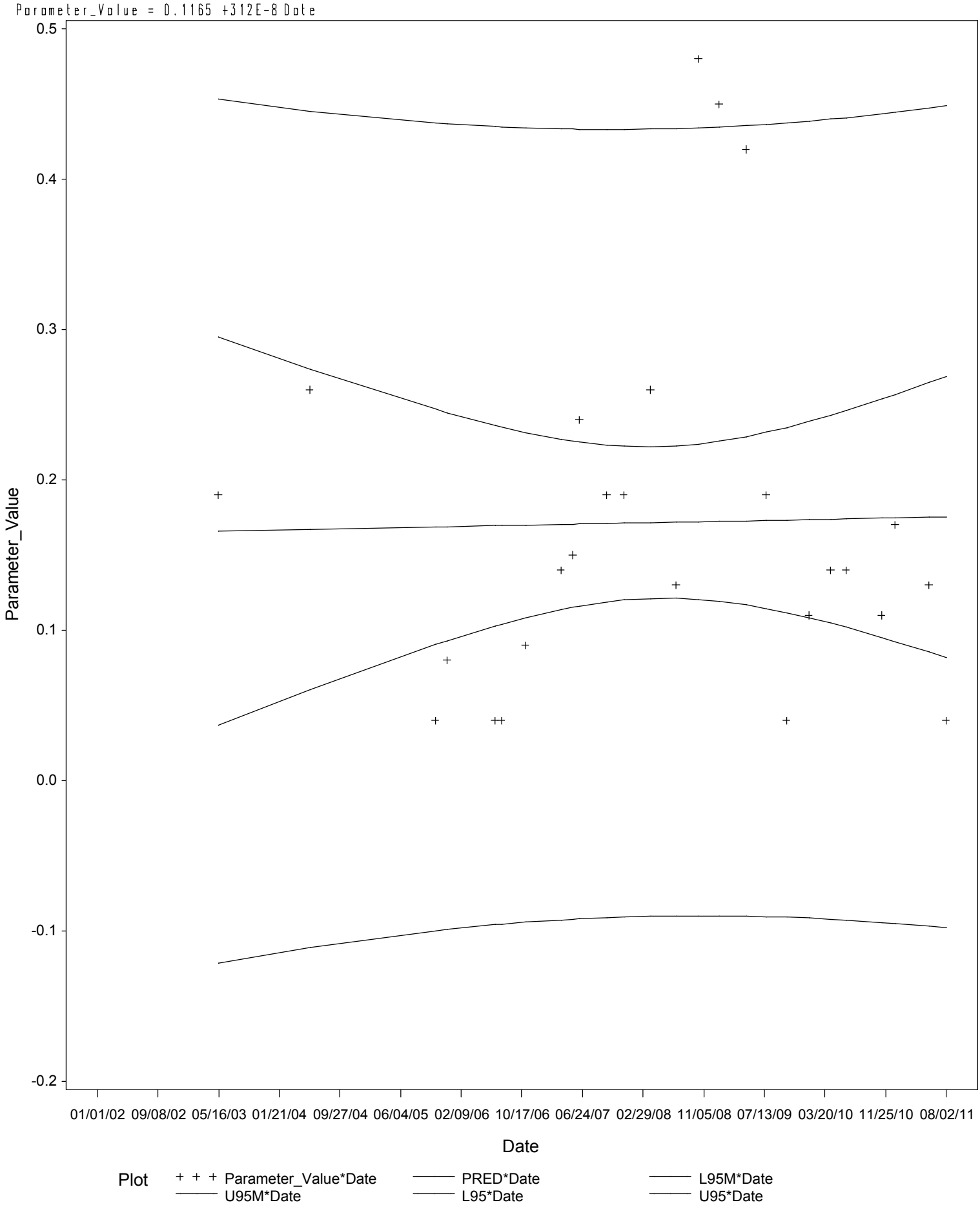
International Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=15893



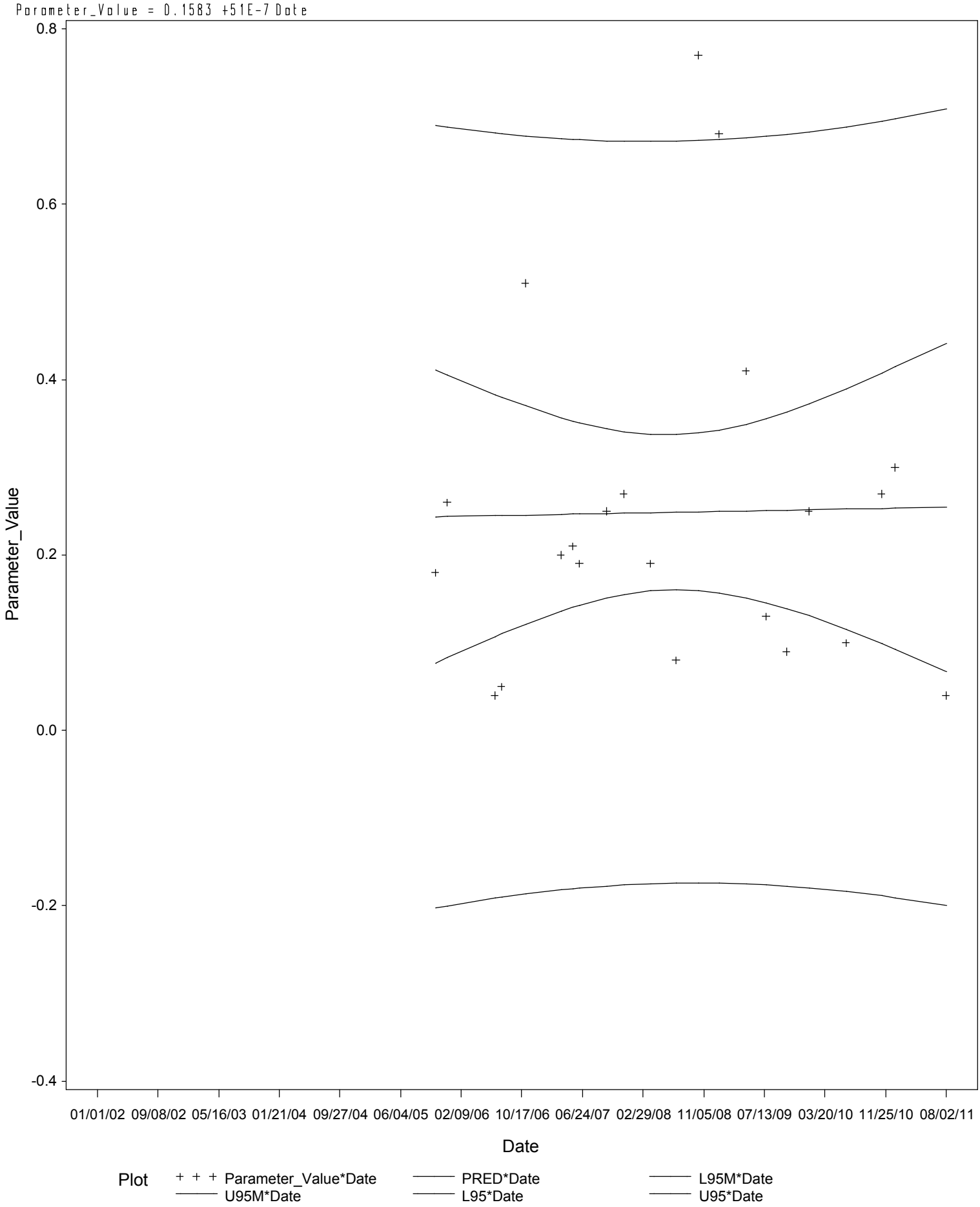
International Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13835



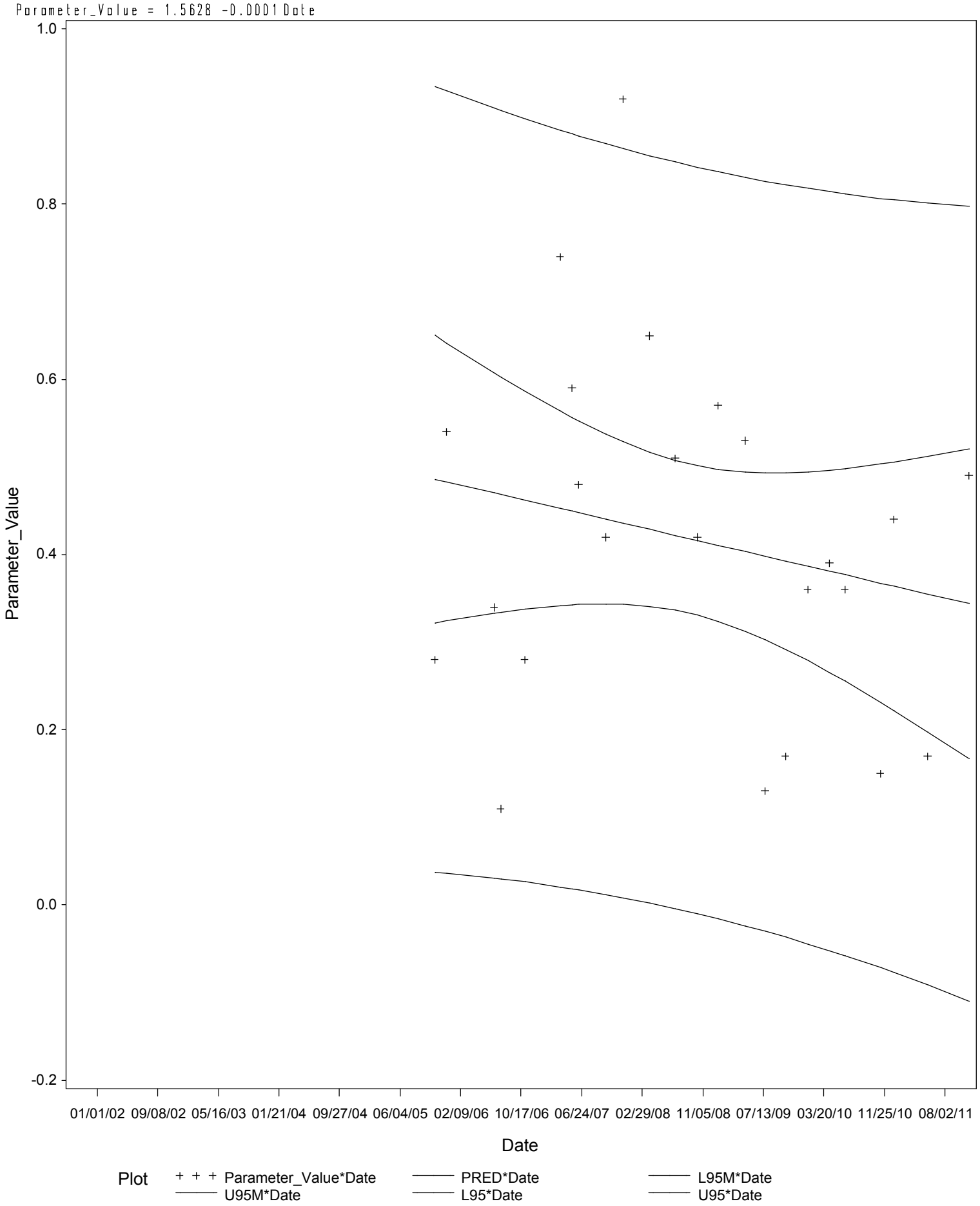
International Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=15892



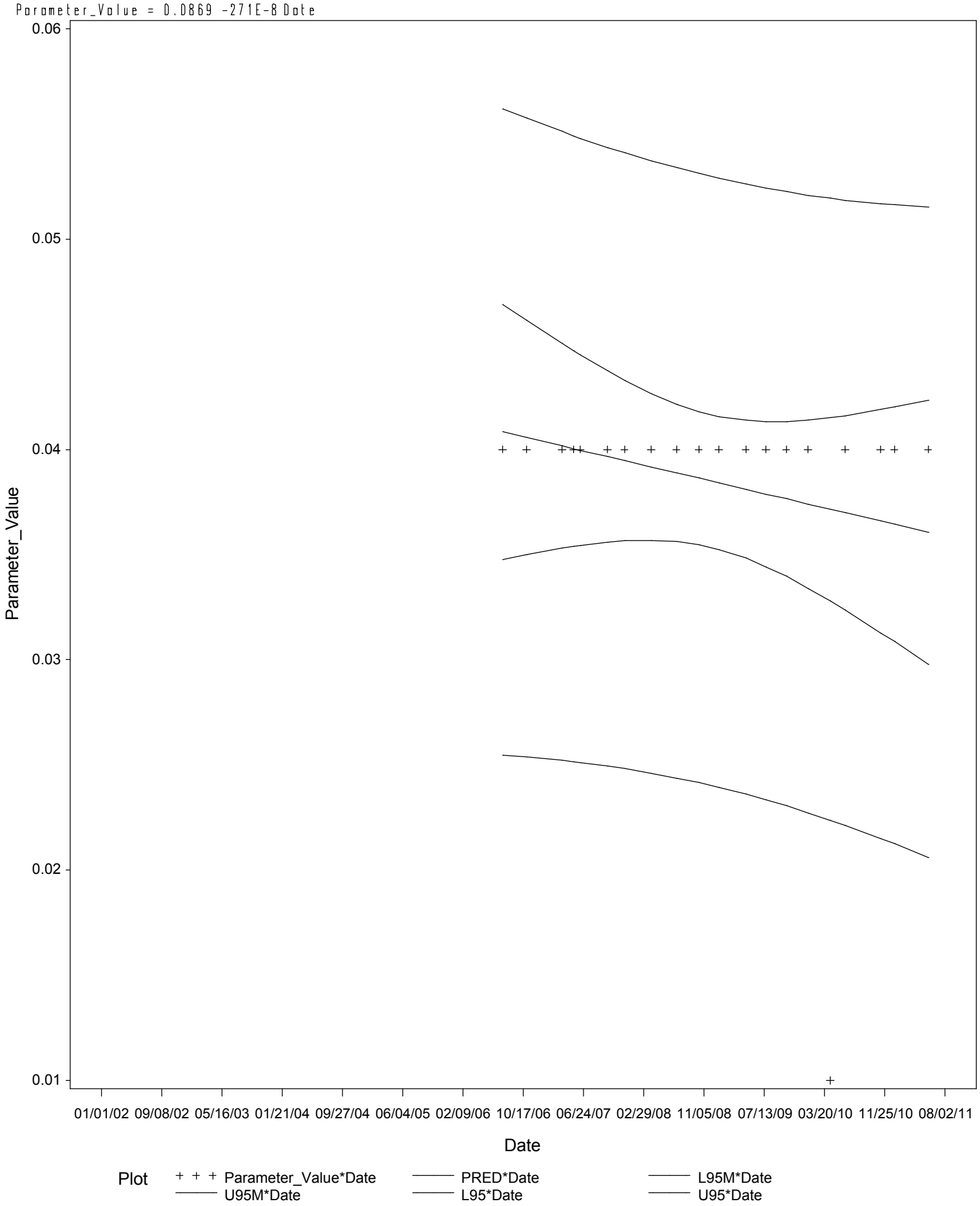
International Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=15893



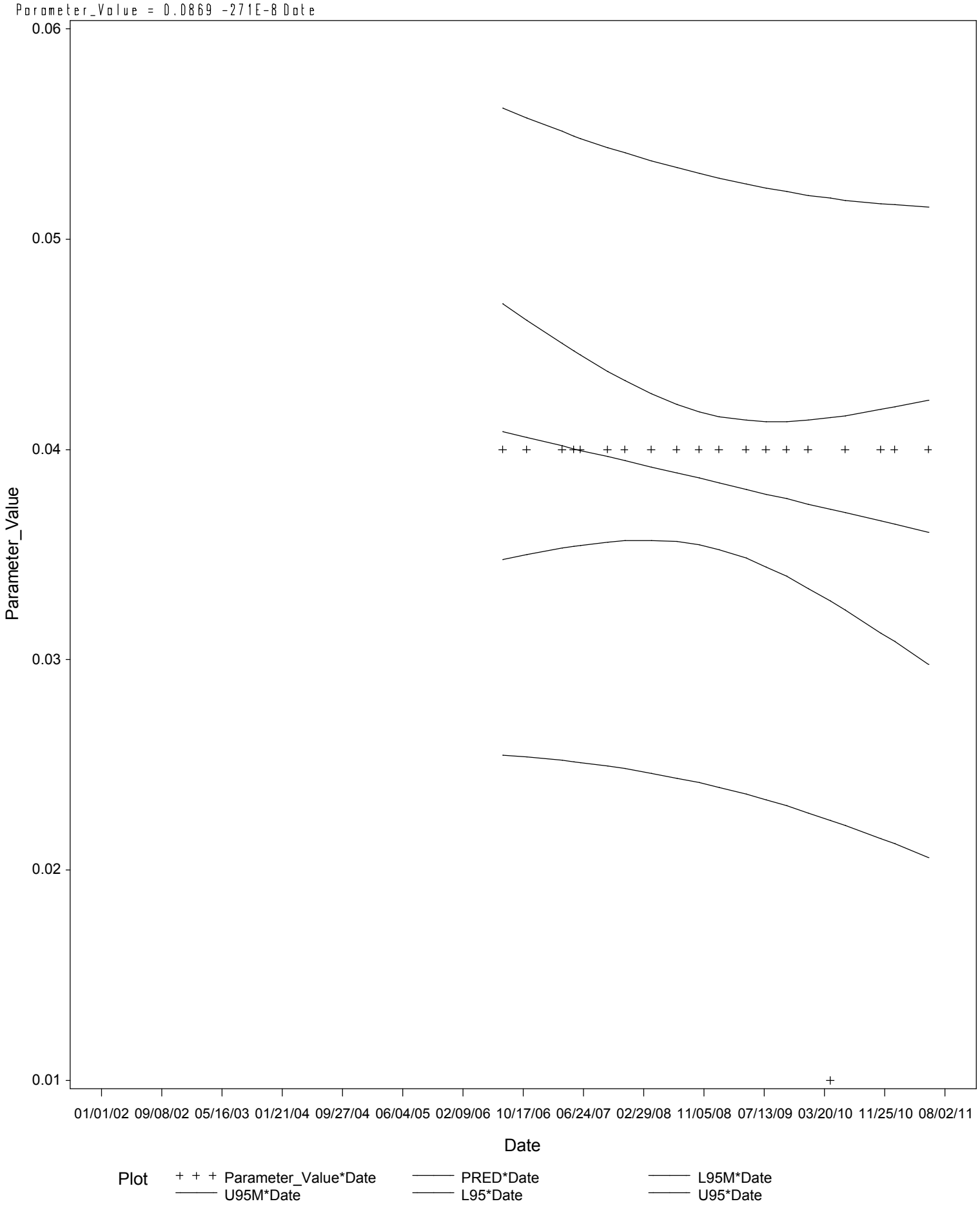
International Amistad Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13835



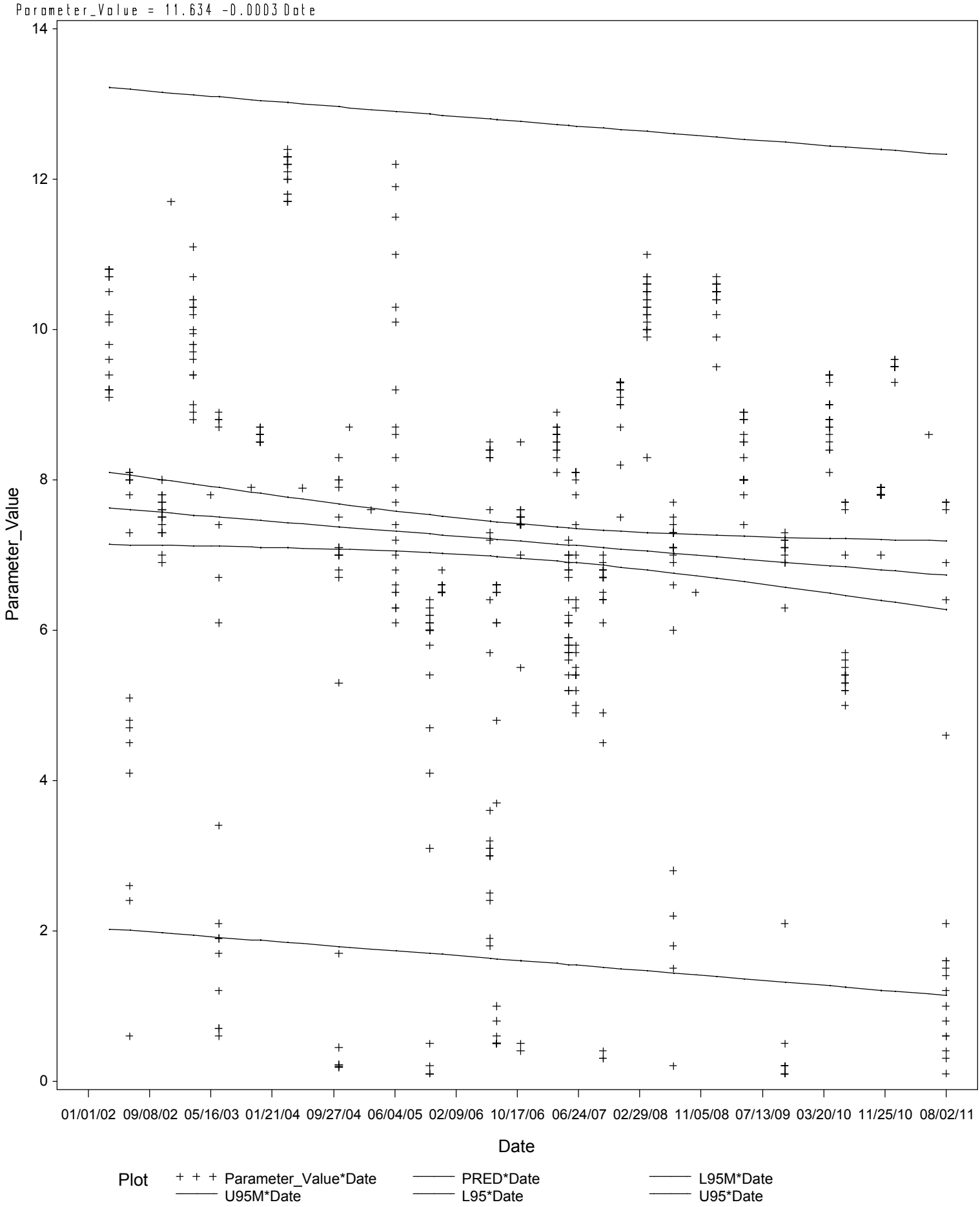
International Amistad Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=15893

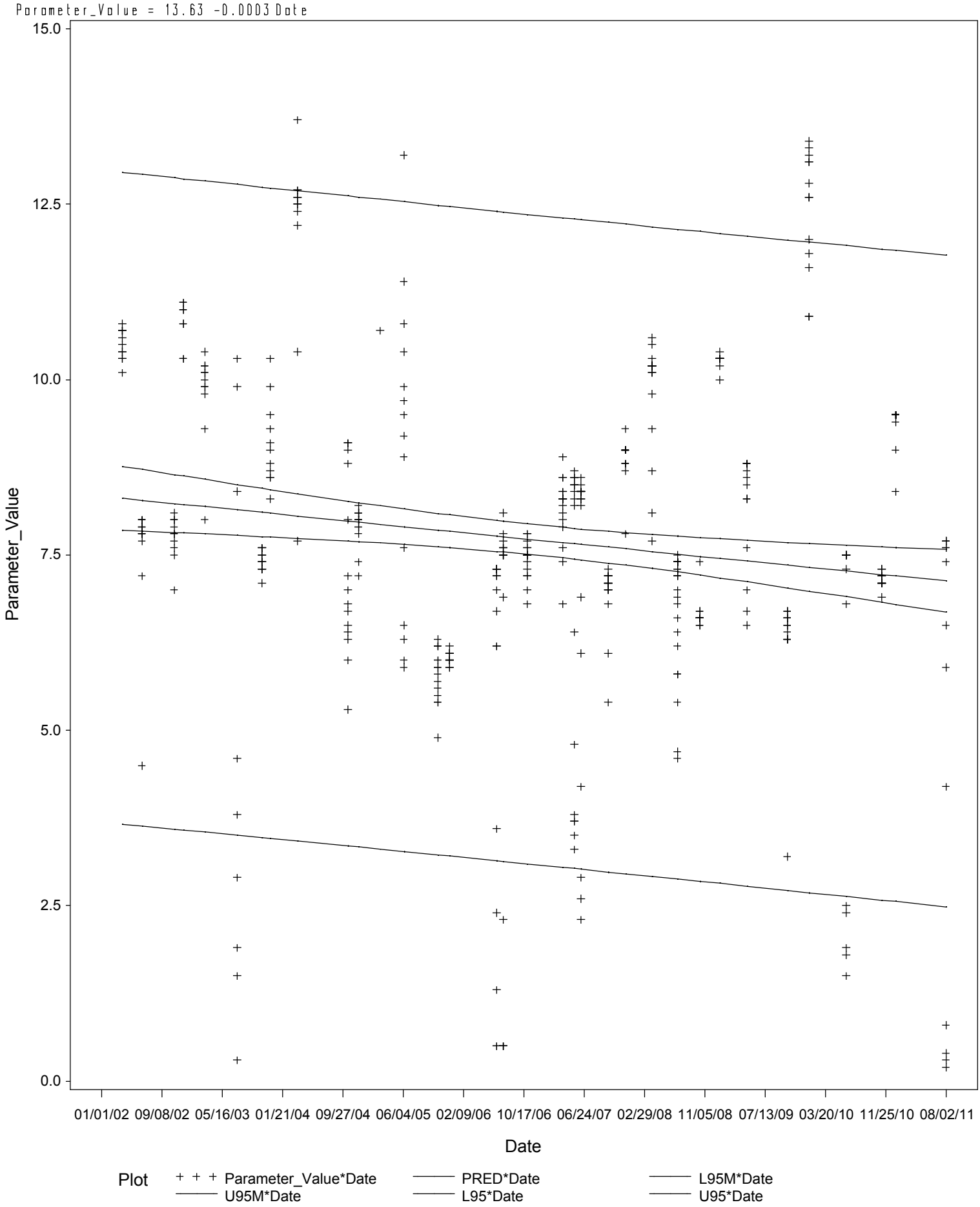


International Amistad Reservoir

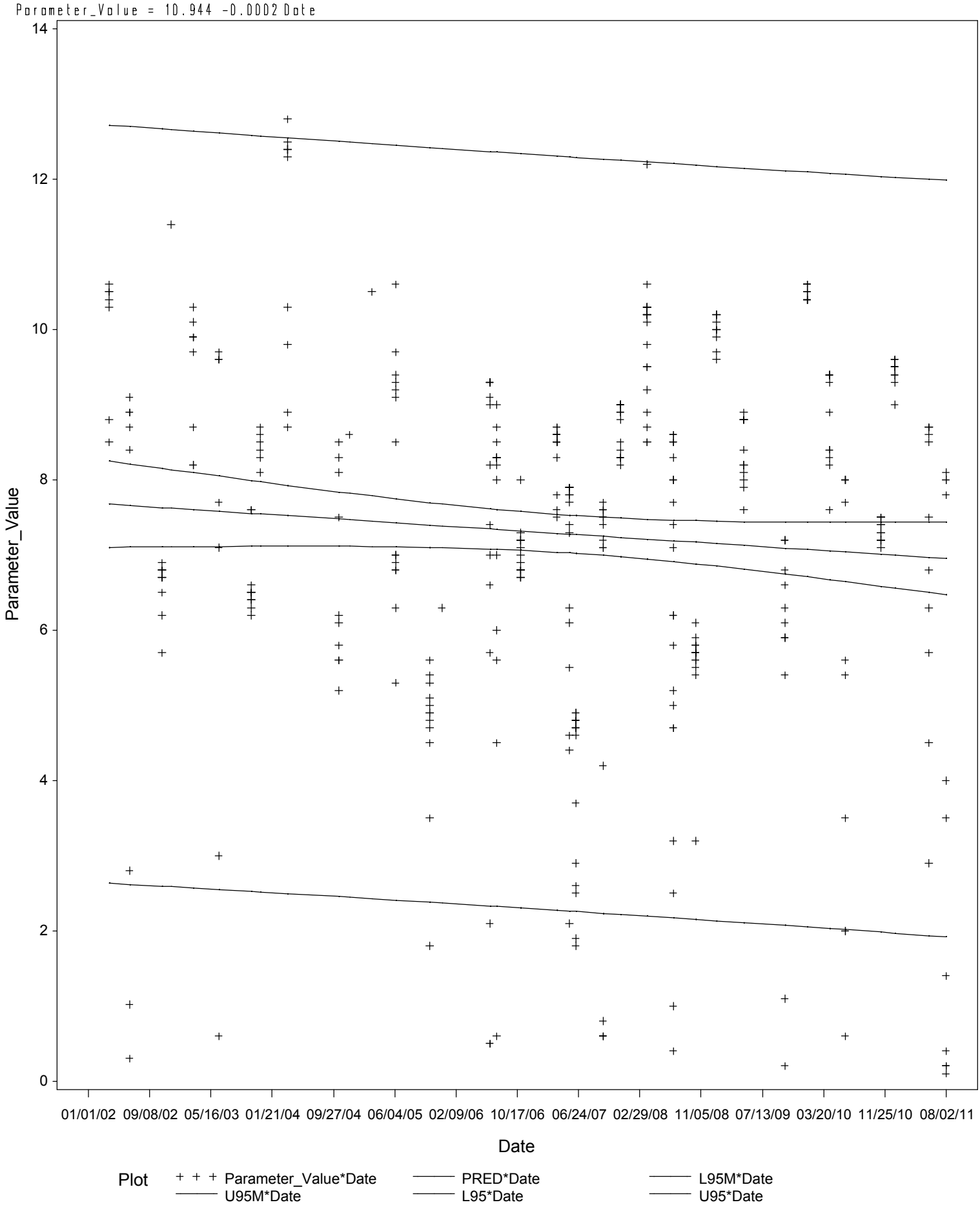
Parameter=OXYGEN, DISSOLVED (MG/L) Station=13835



International Amistad Reservoir
Parameter=OXYGEN, DISSOLVED (MG/L) Station=15892

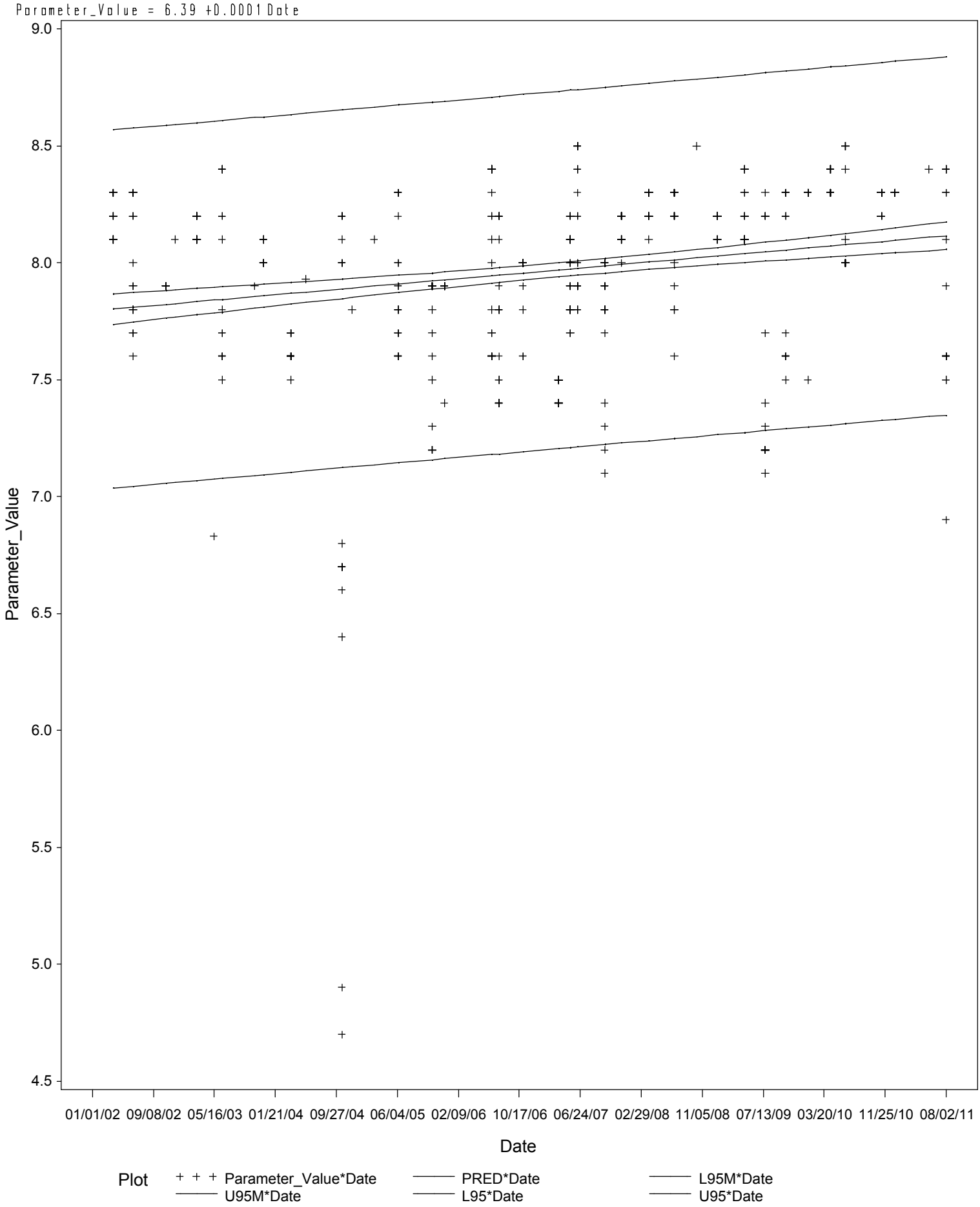


International Amistad Reservoir
Parameter=OXYGEN, DISSOLVED (MG/L) Station=15893

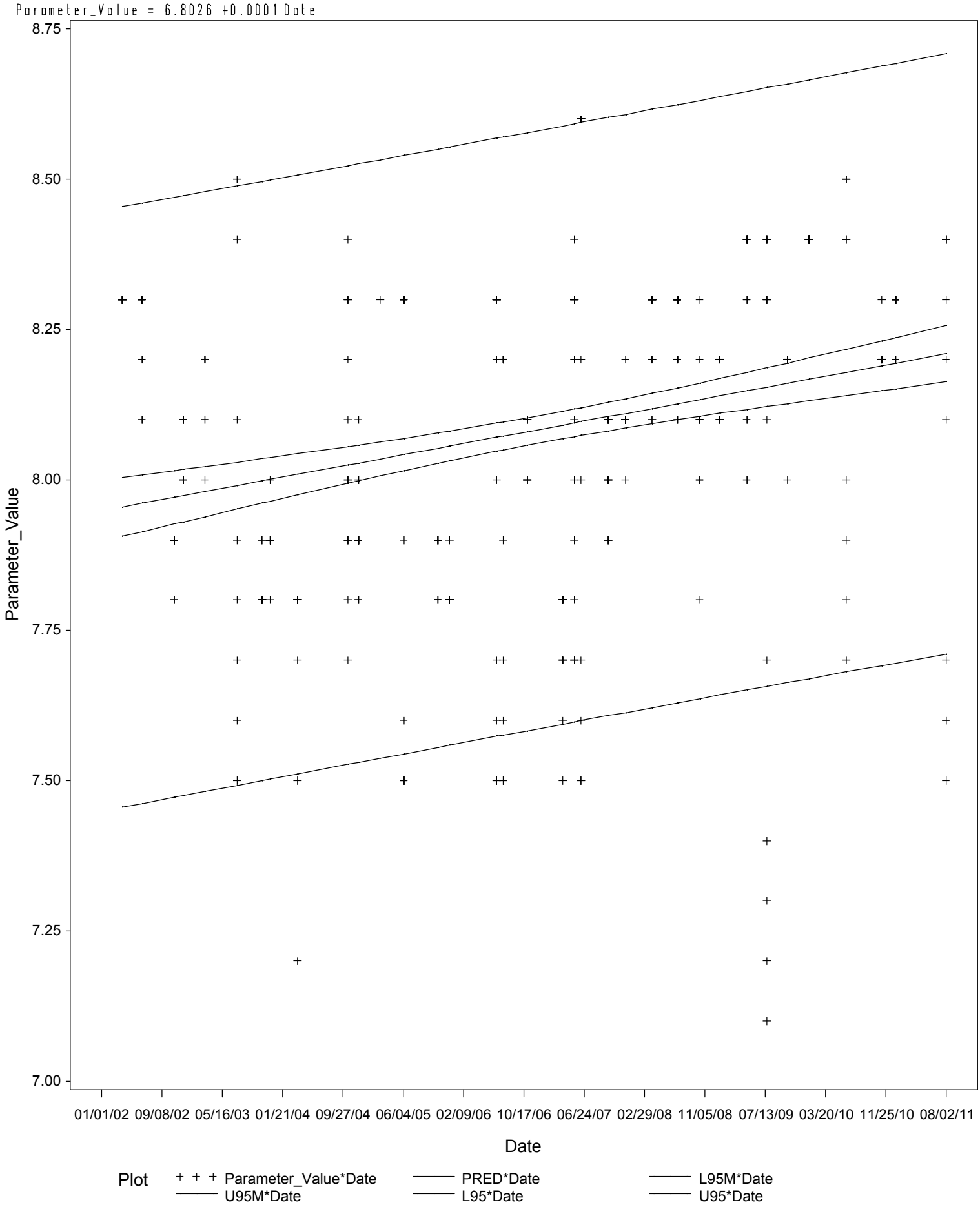


International Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=13835

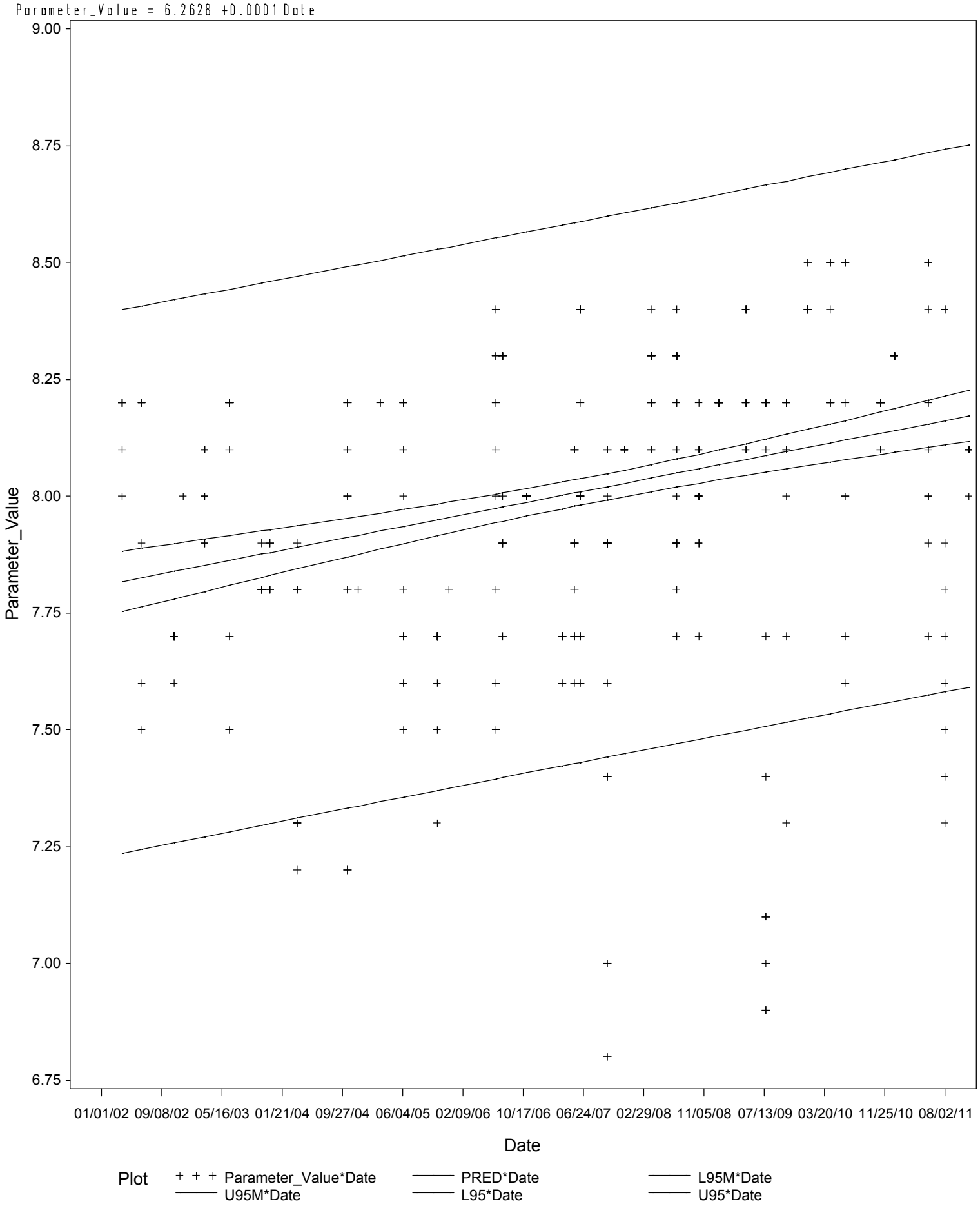


International Amistad Reservoir
Parameter=PH (STANDARD UNITS) Station=15892



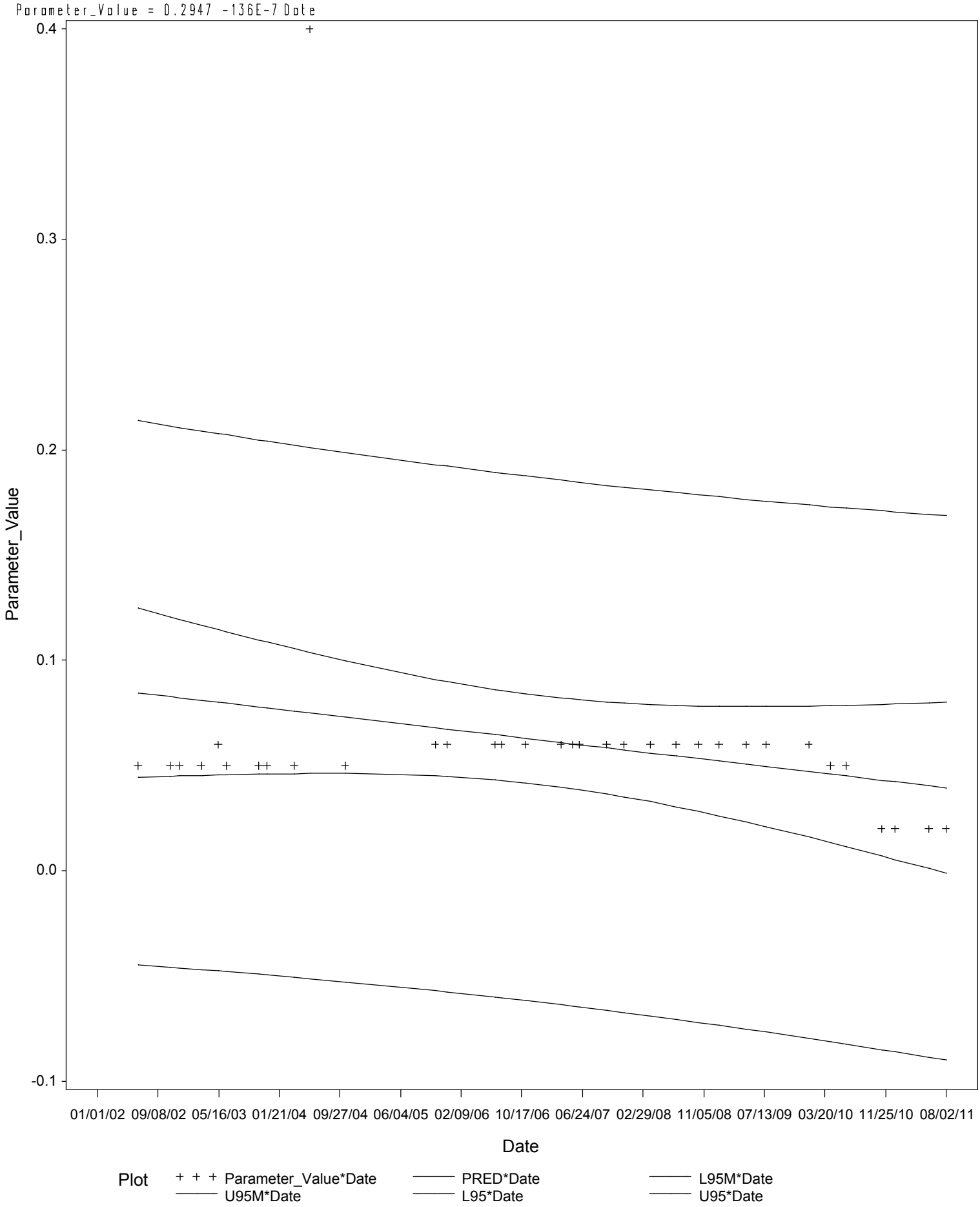
International Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=15893



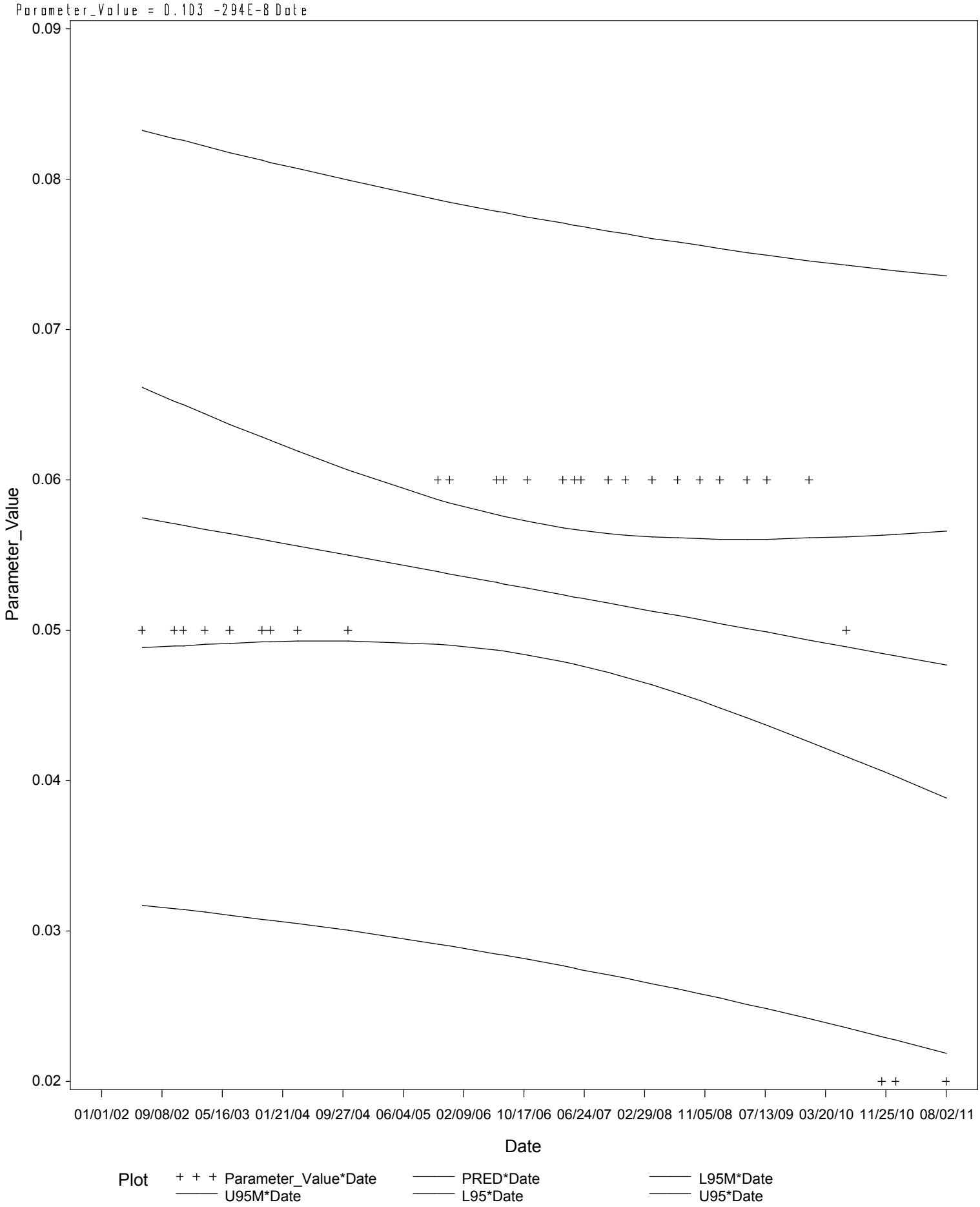
International Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13835



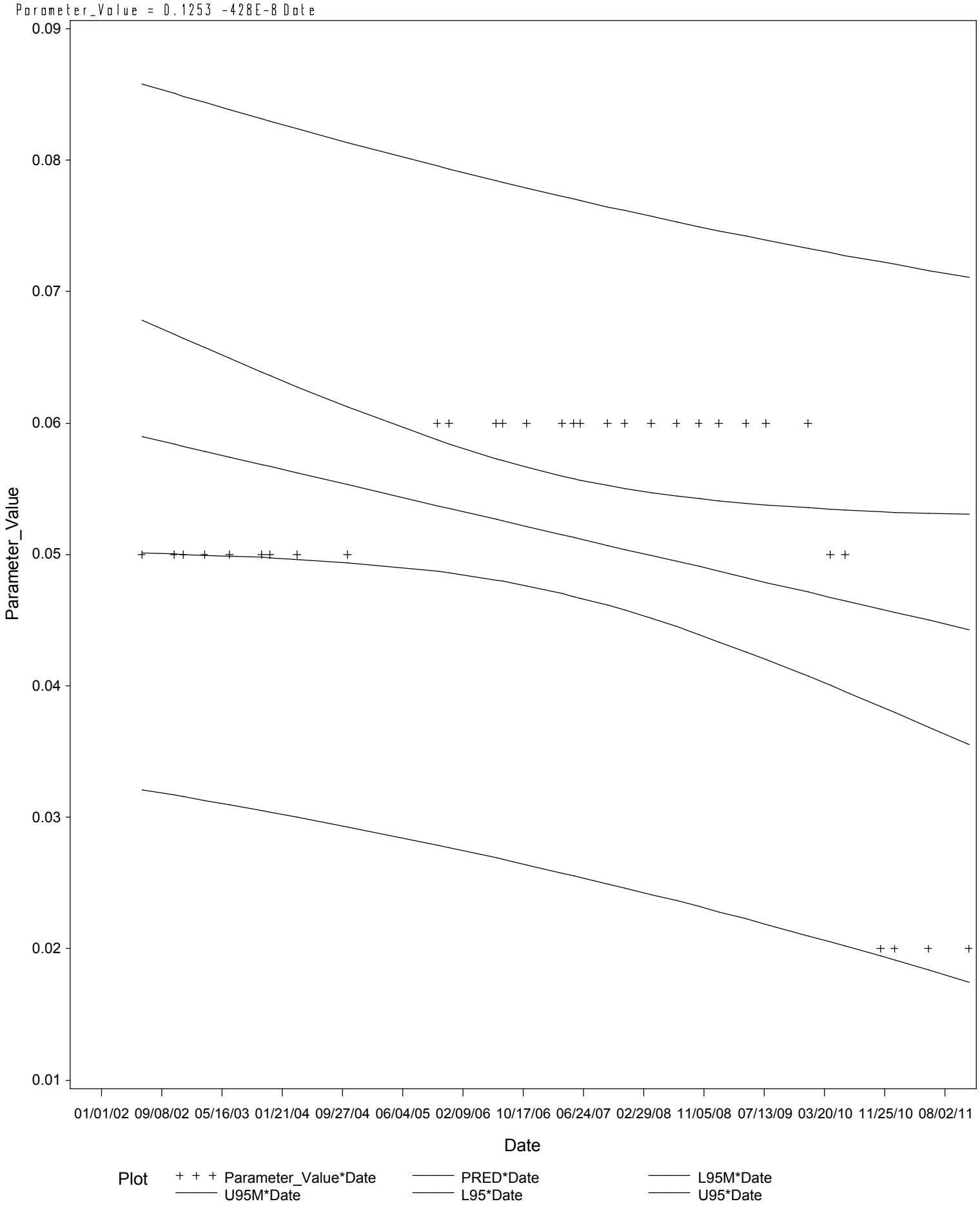
International Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=15892



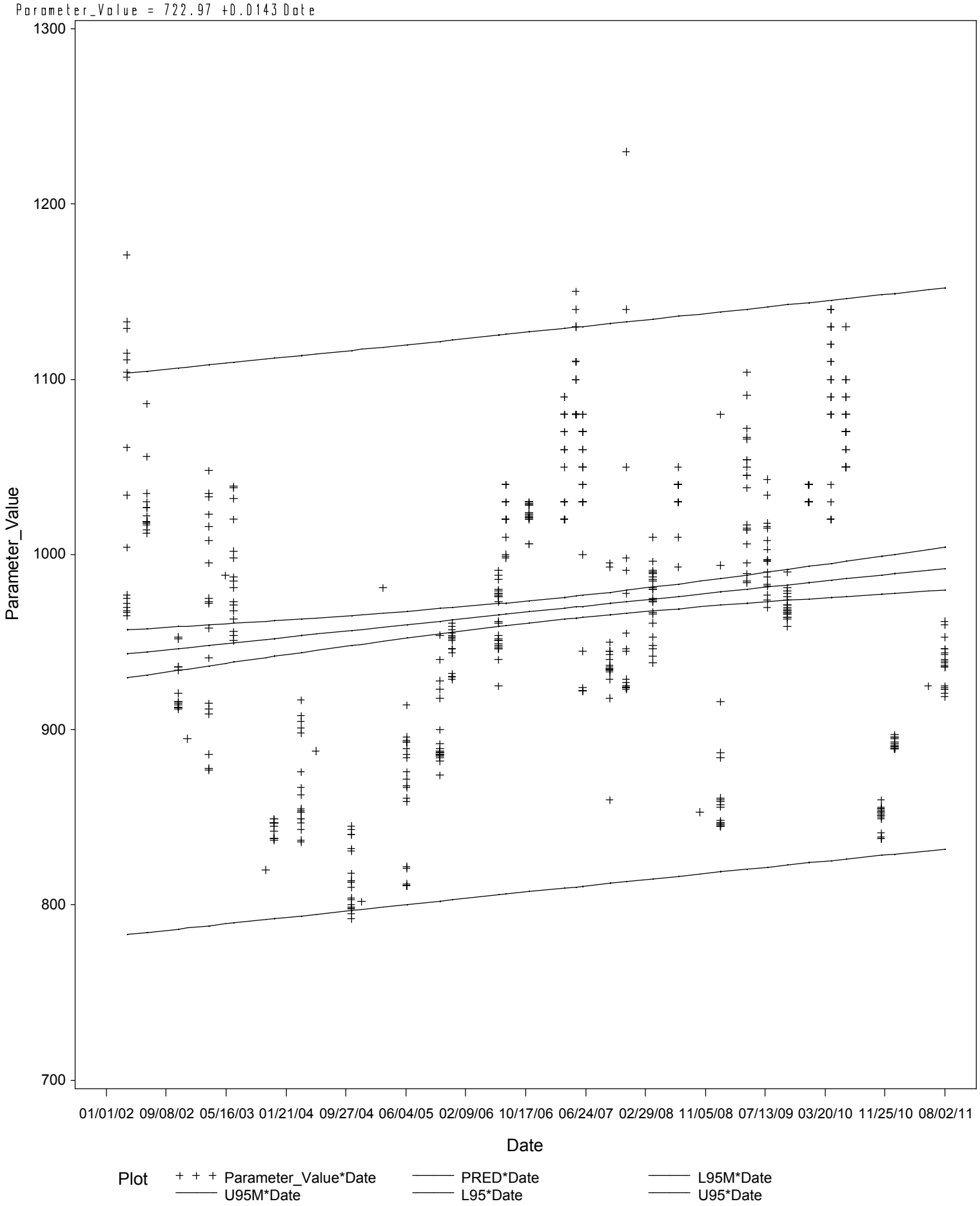
International Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=15893



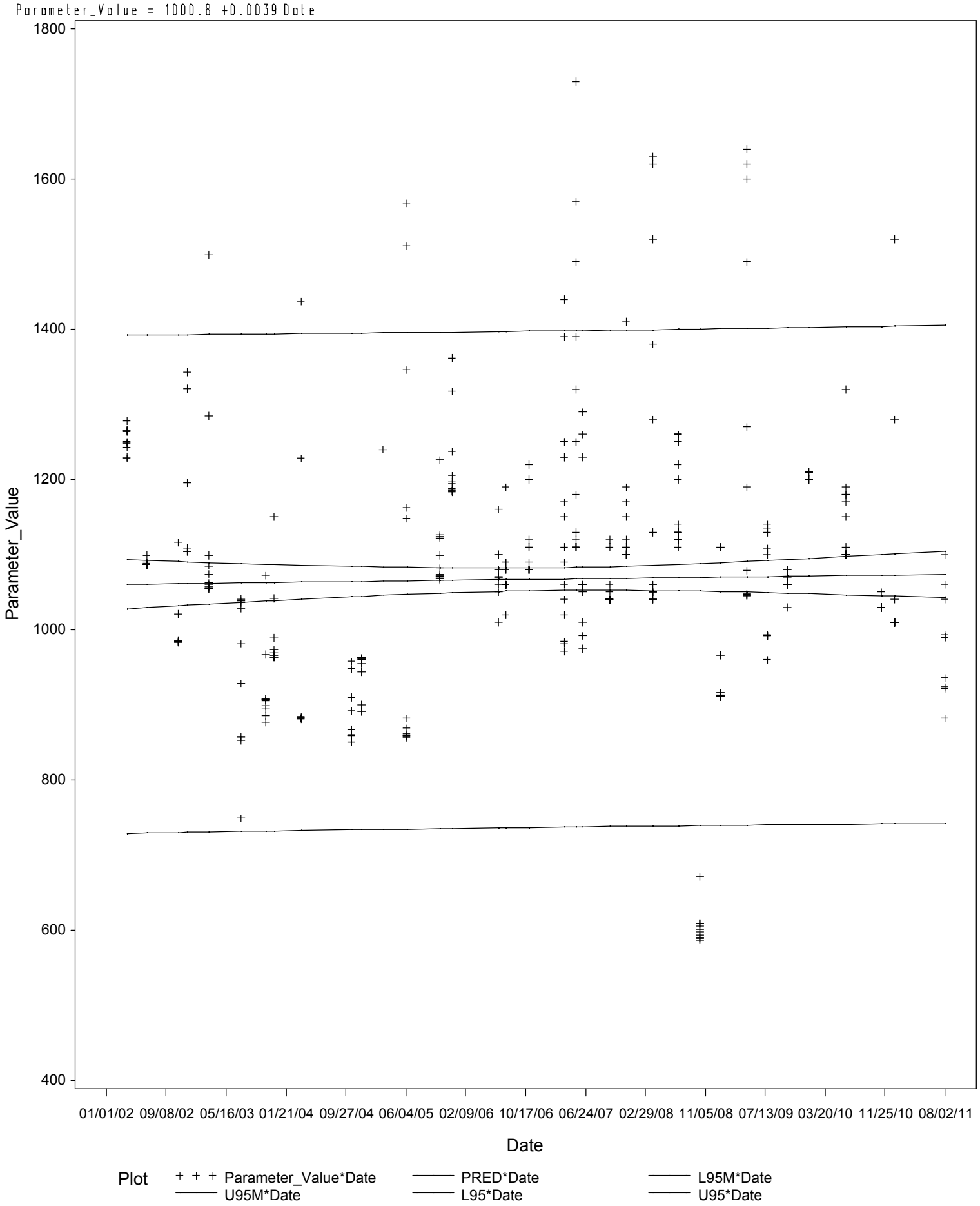
International Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13835



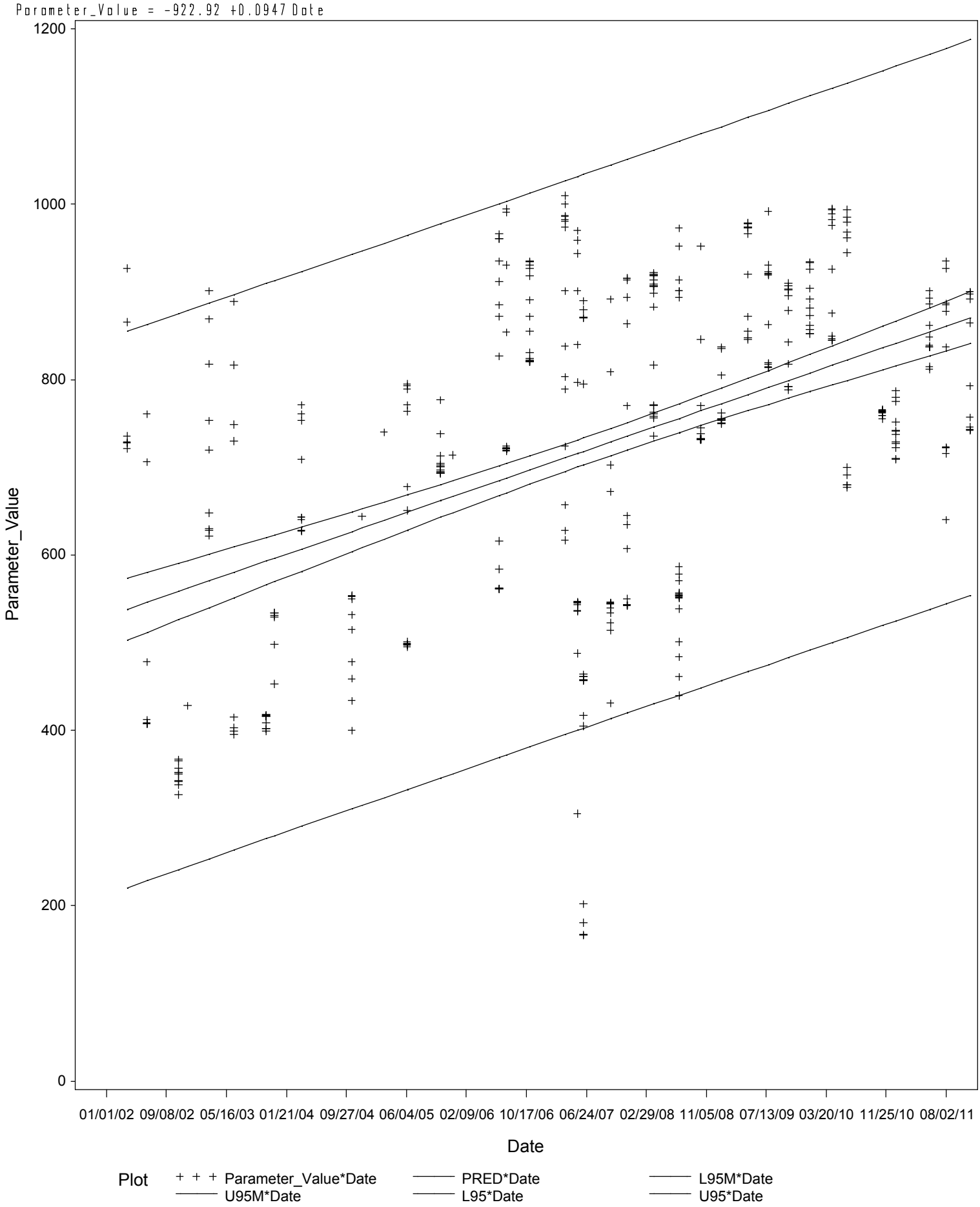
International Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15892

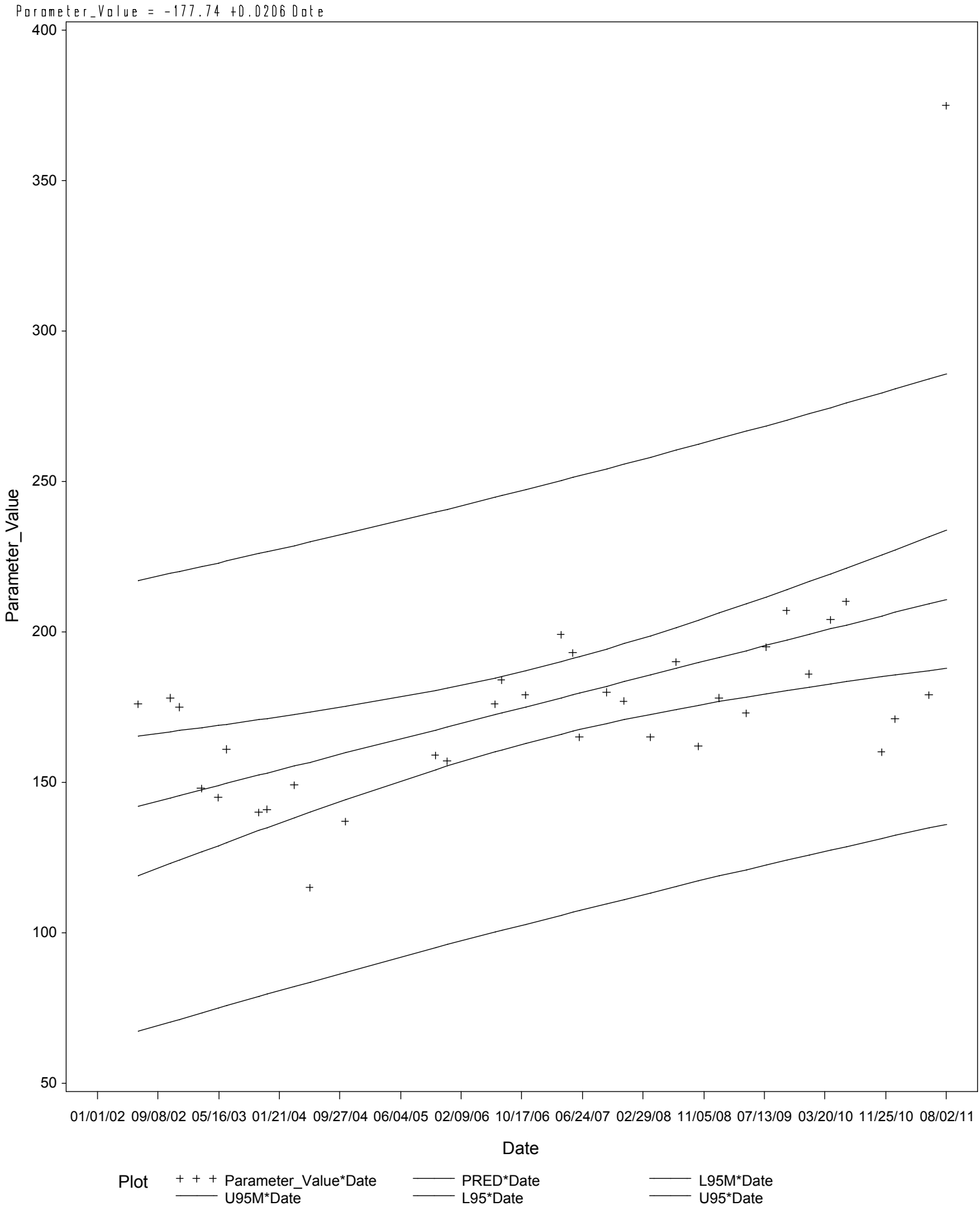


International Amistad Reservoir

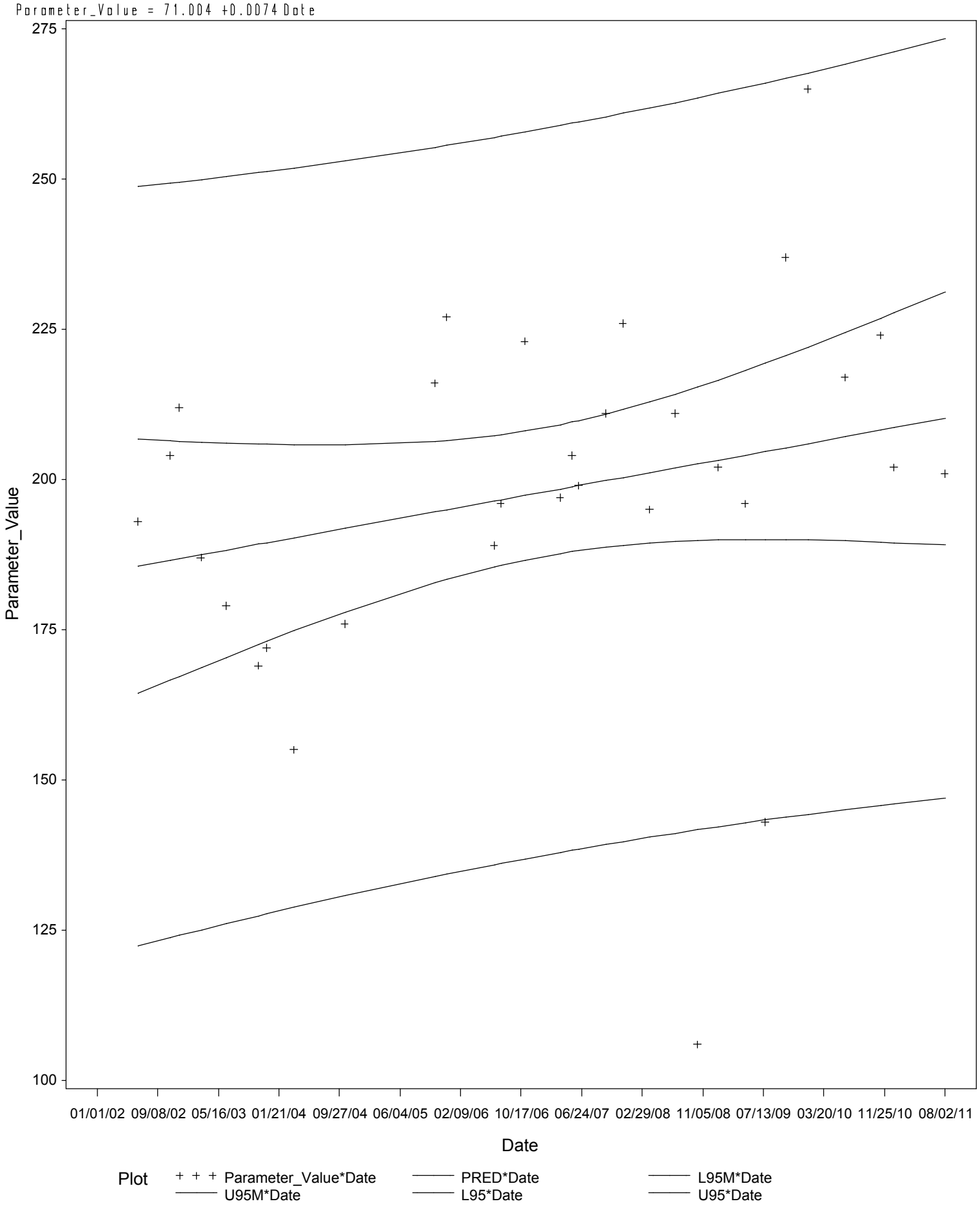
Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15893



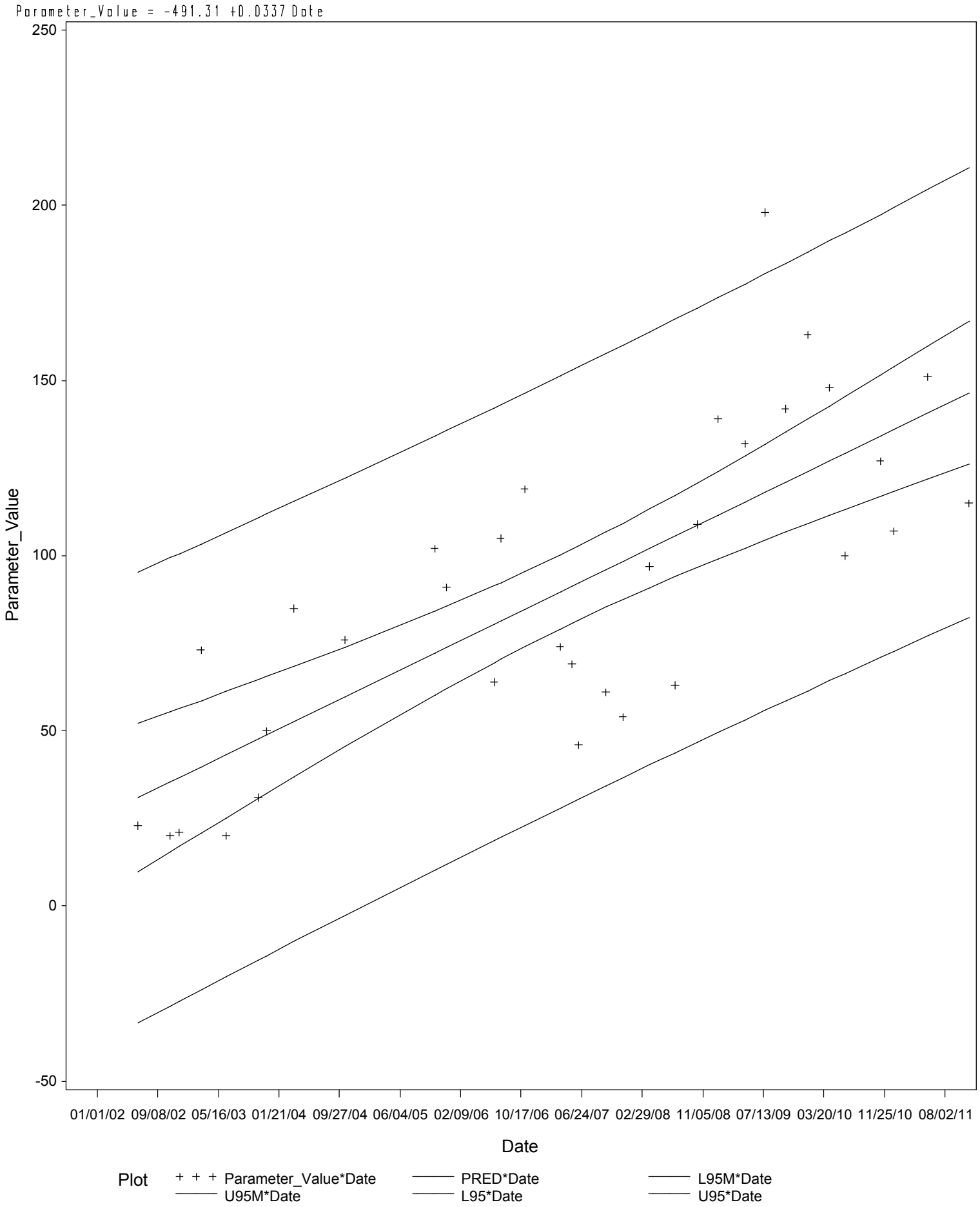
International Amistad Reservoir
Parameter=SULFATE (MG/L AS SO4) Station=13835



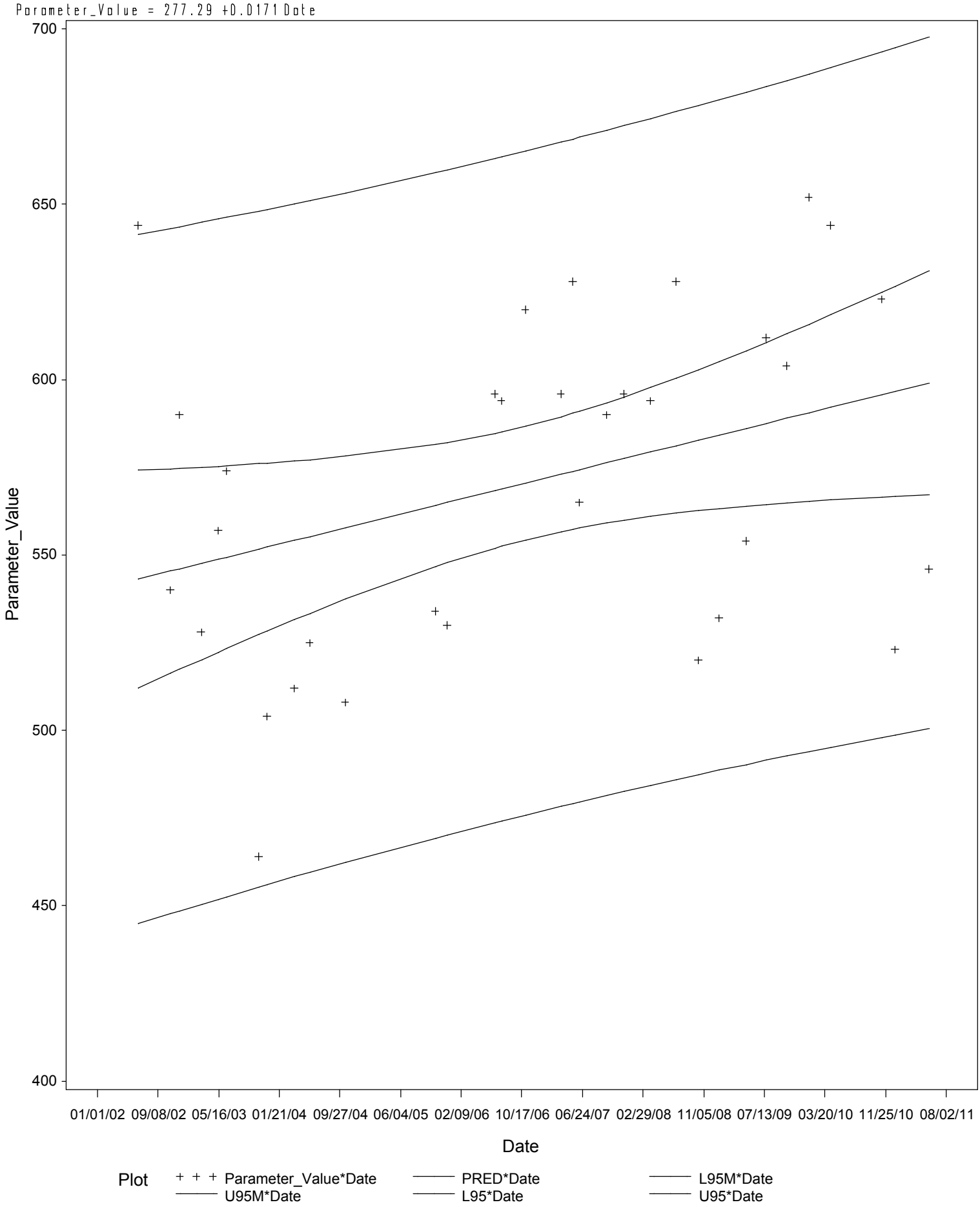
International Amistad Reservoir
Parameter=SULFATE (MG/L AS SO4) Station=15892



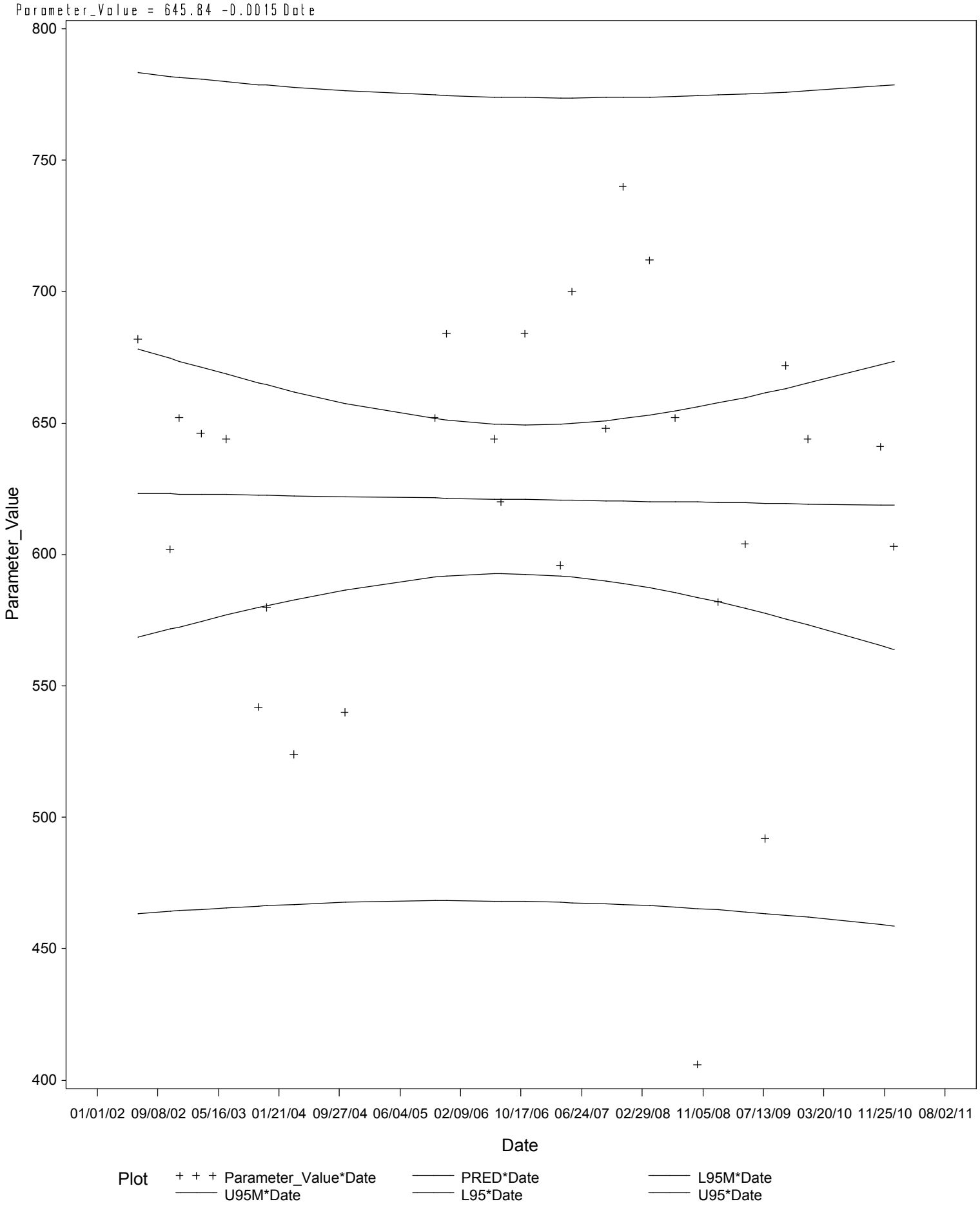
International Amistad Reservoir
Parameter=SULFATE (MG/L AS SO4) Station=15893



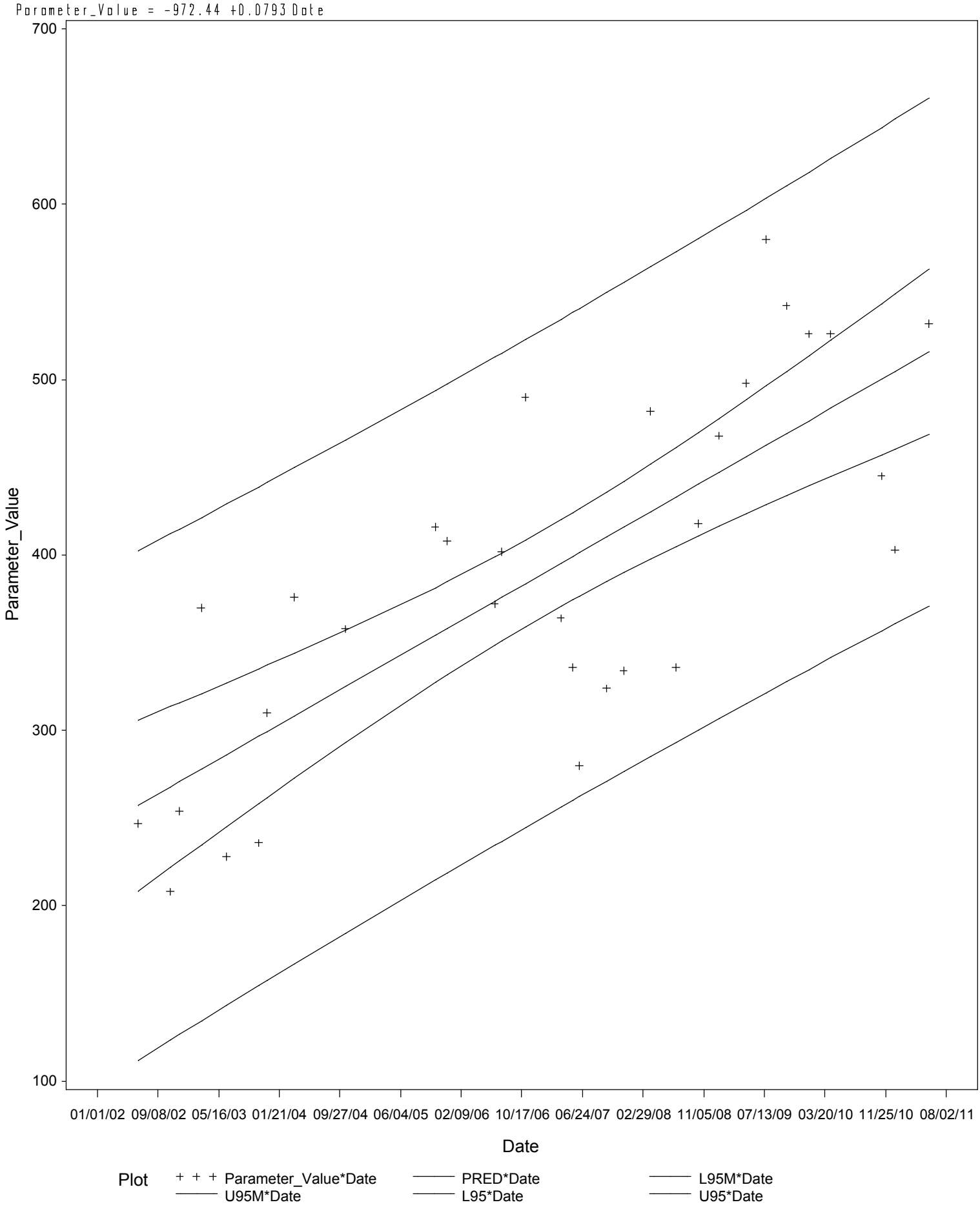
International Amistad Reservoir
Parameter=TDS (MG/L) Station=13835



International Amistad Reservoir
Parameter=TDS (MG/L) Station=15892

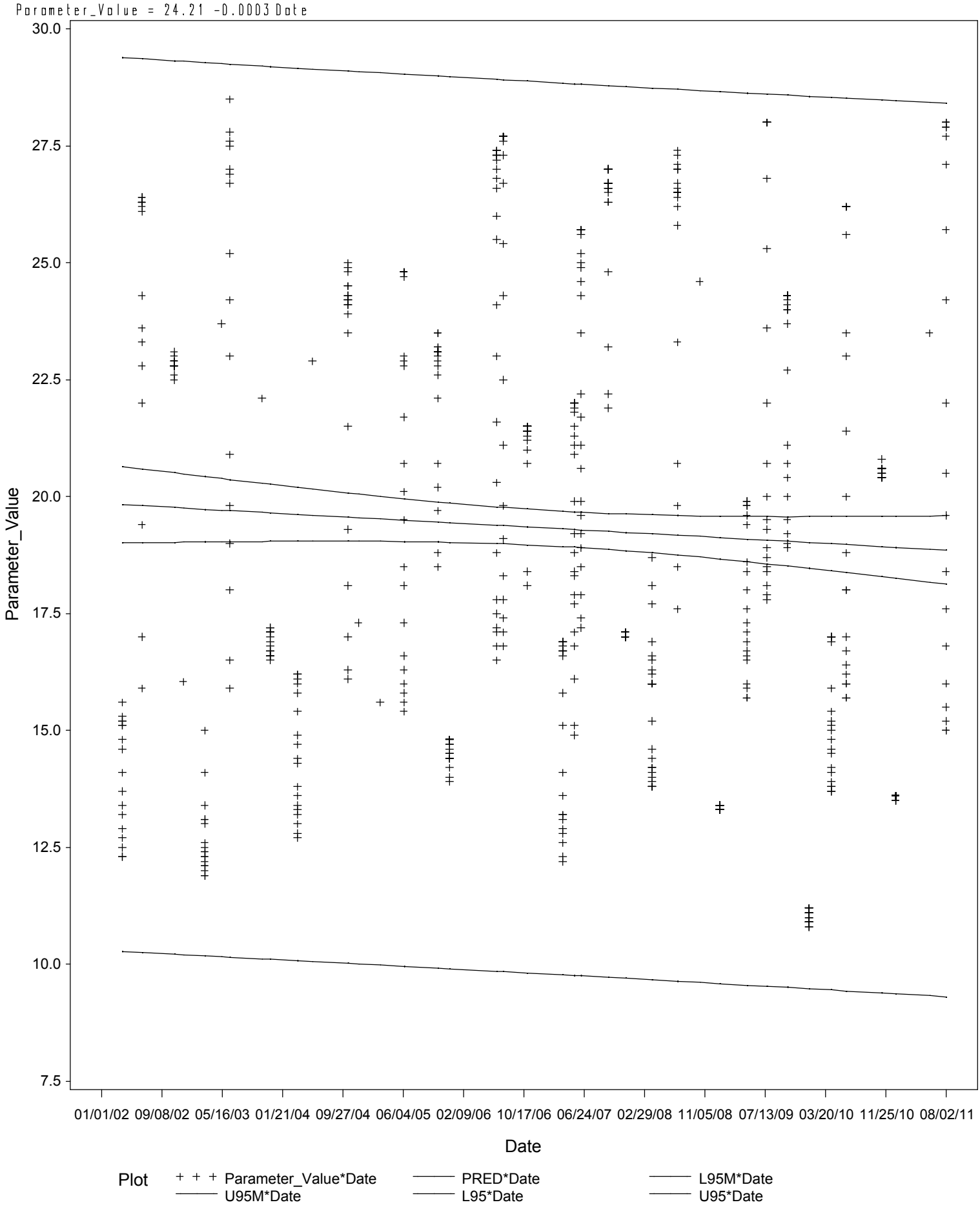


International Amistad Reservoir
Parameter=TDS (MG/L) Station=15893



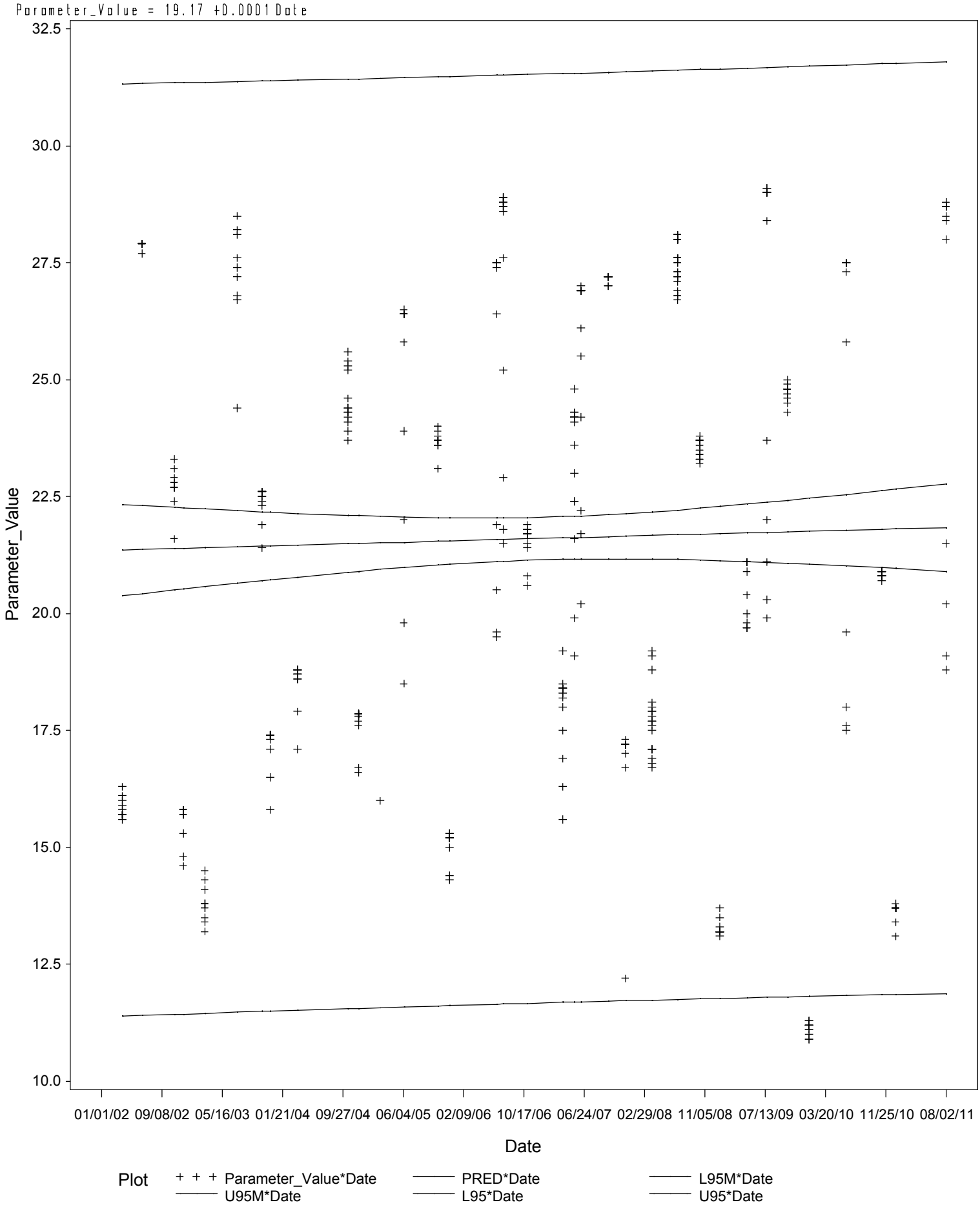
International Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13835



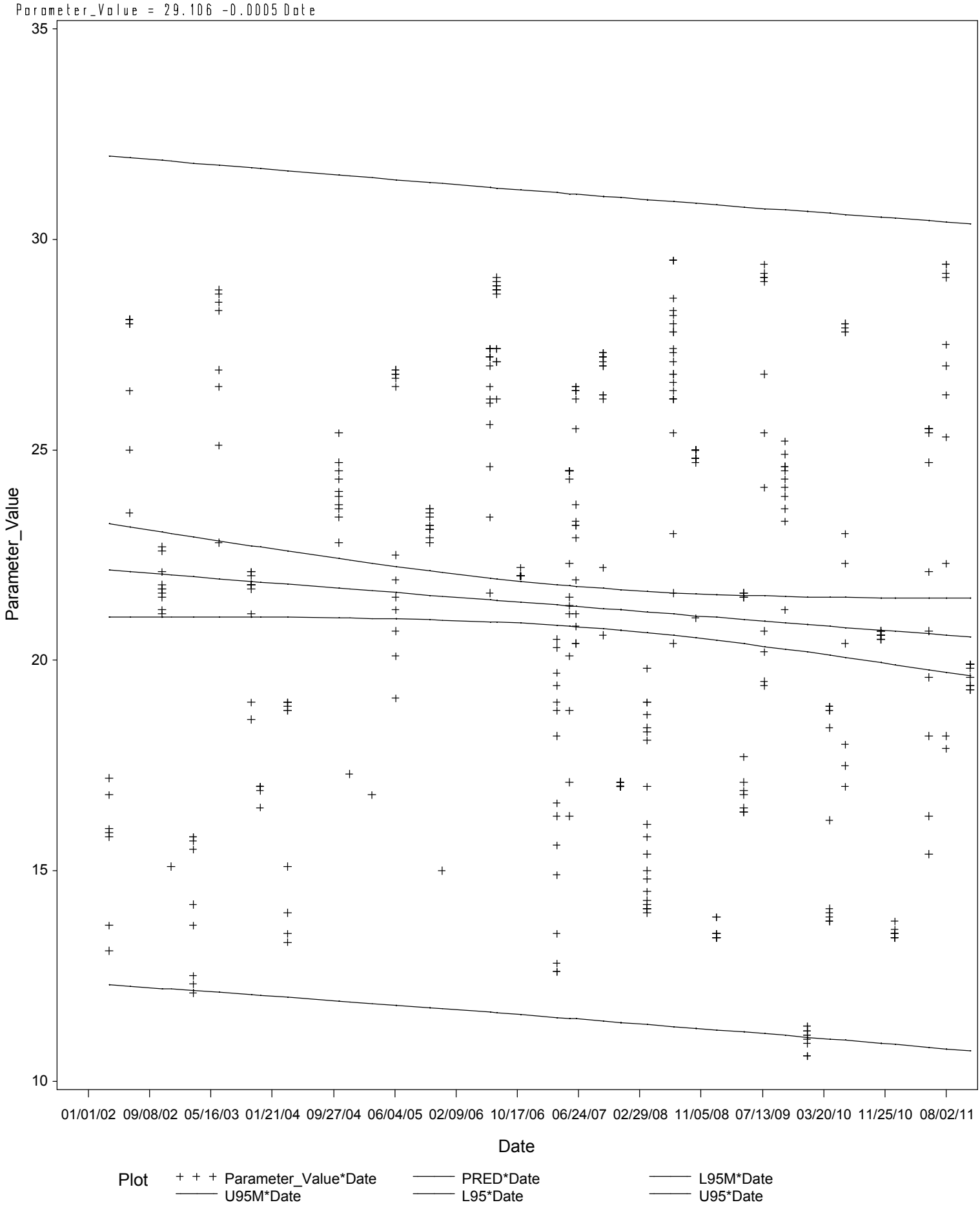
International Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15892

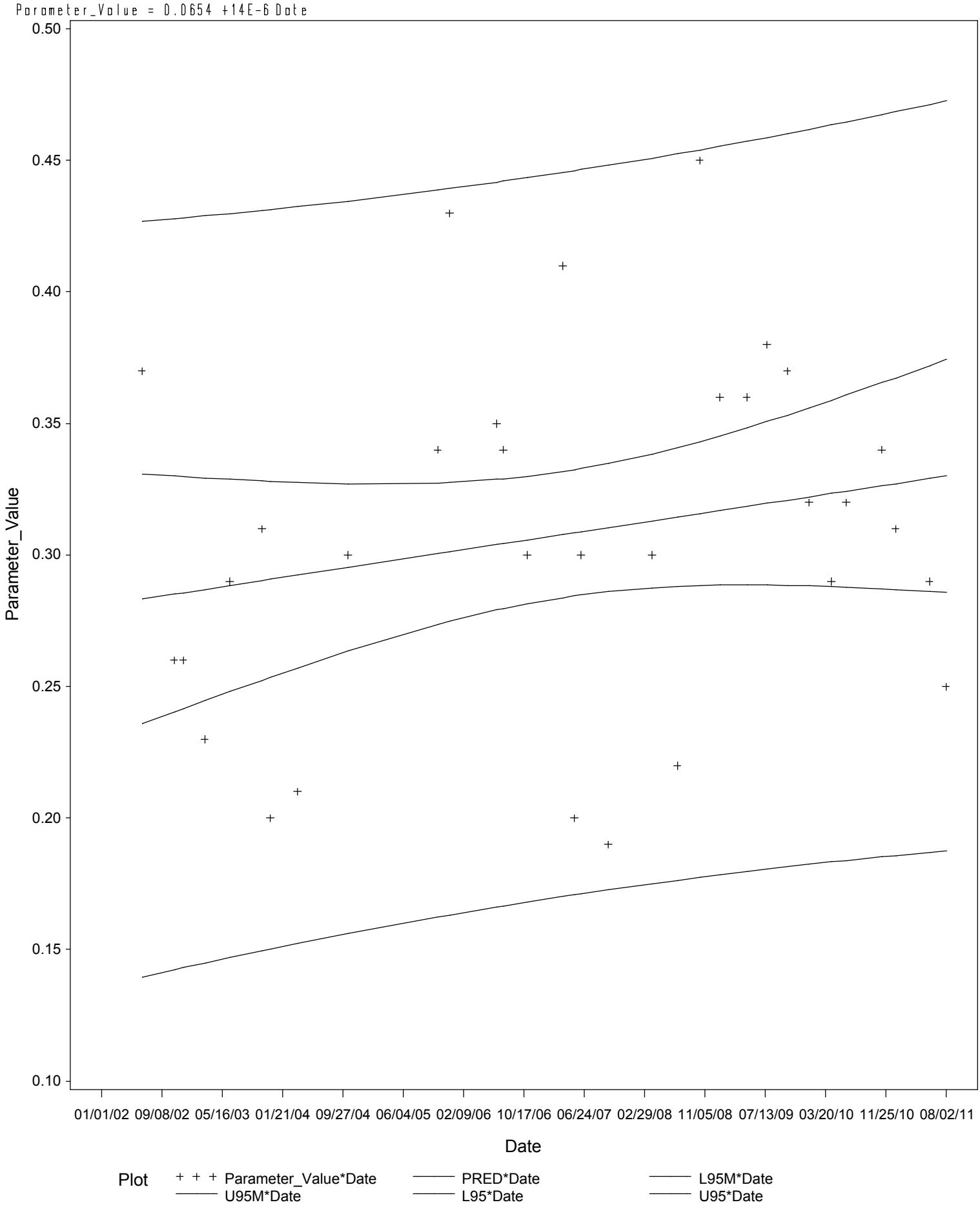


International Amistad Reservoir

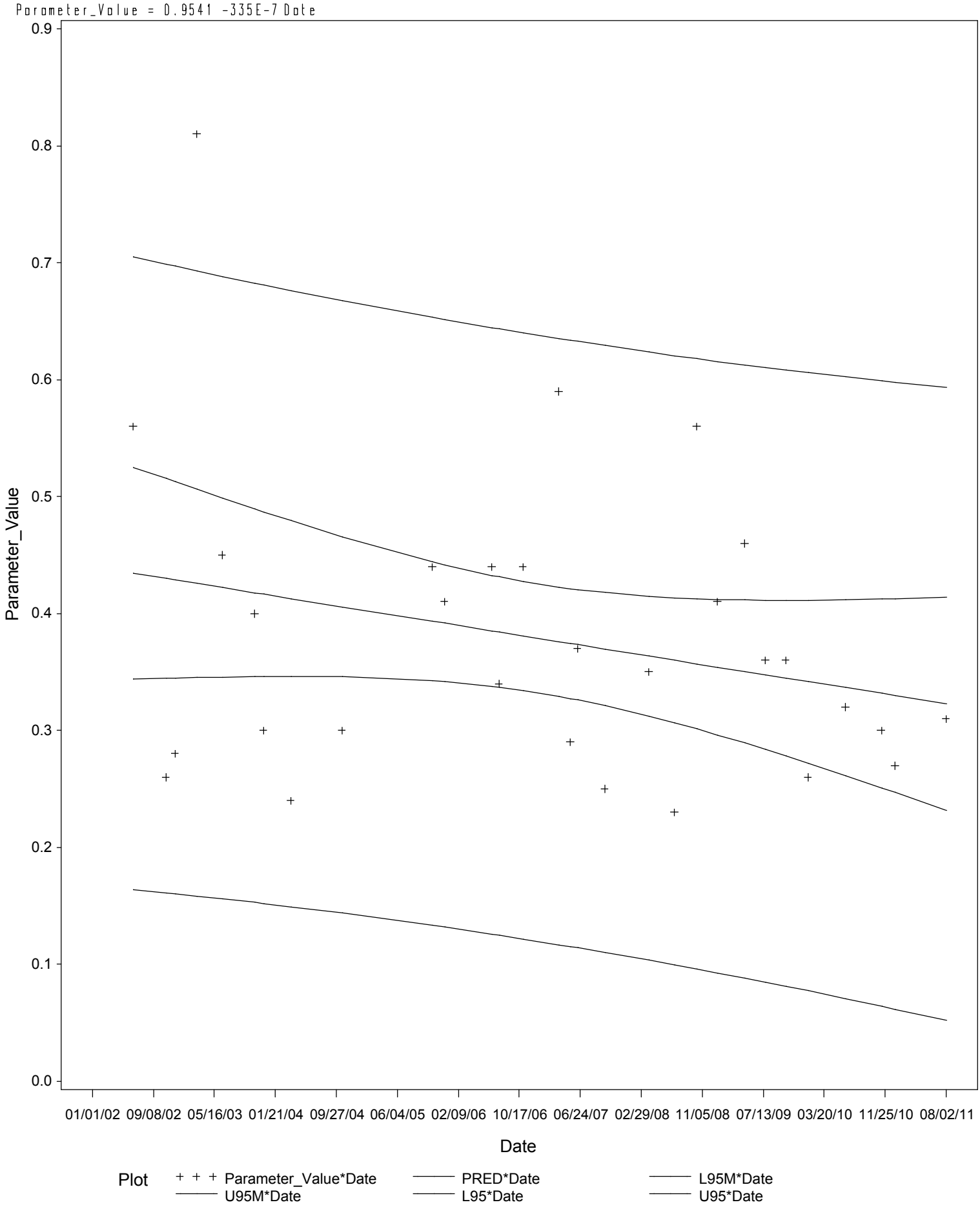
Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15893



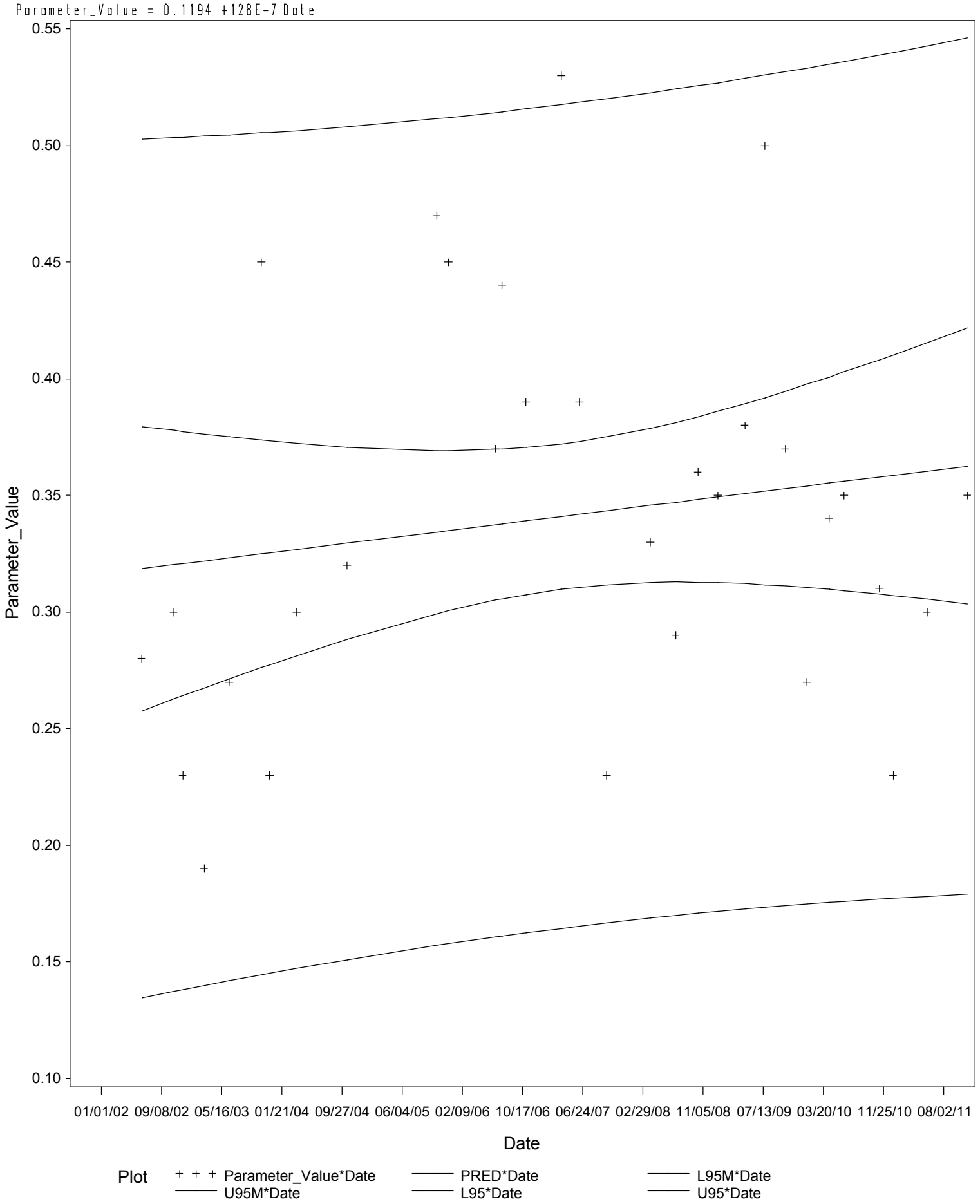
International Amistad Reservoir
Parameter=TKN (MG/L AS N) Station=13835



International Amistad Reservoir
Parameter=TKN (MG/L AS N) Station=15892

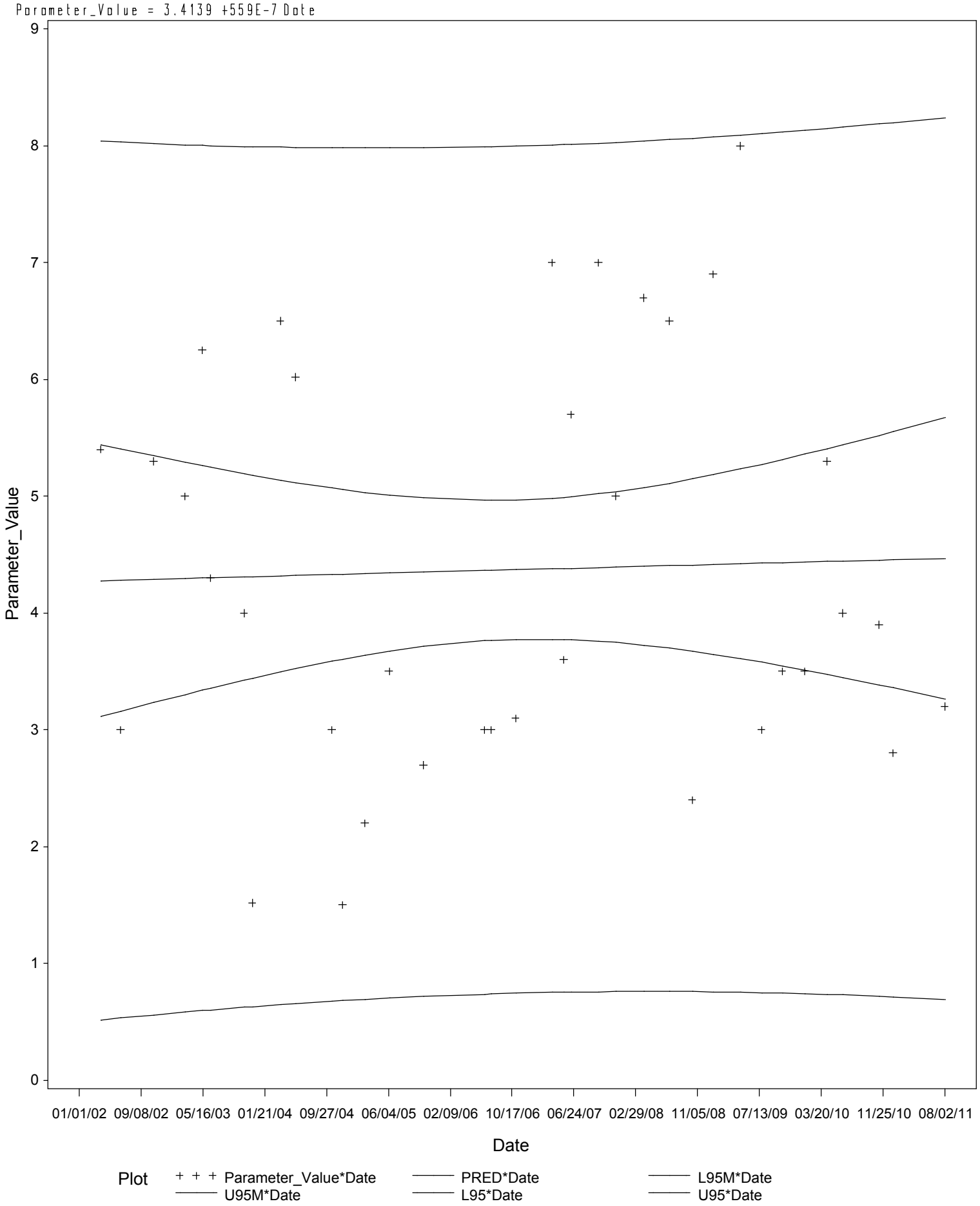


International Amistad Reservoir
Parameter=TKN (MG/L AS N) Station=15893



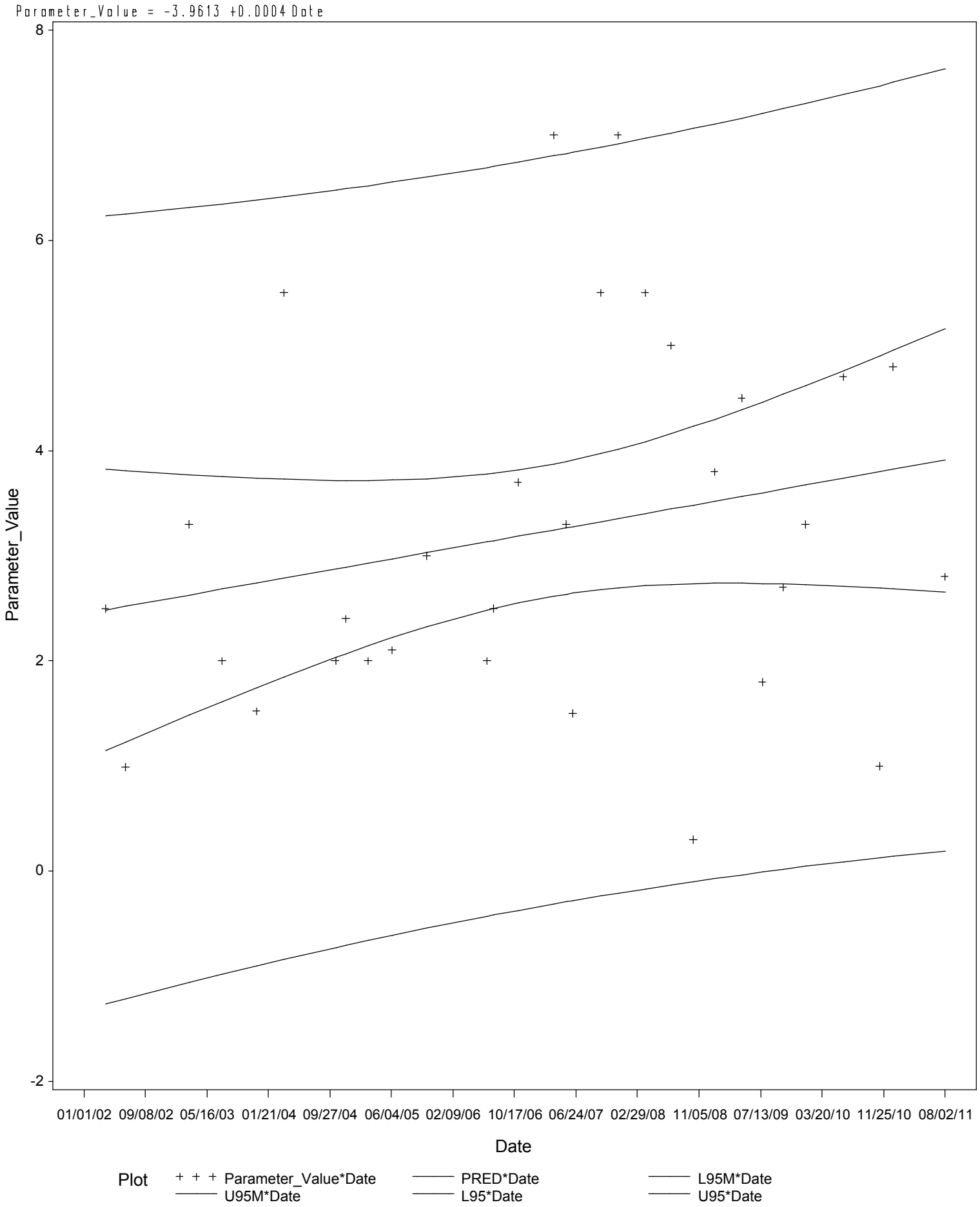
International Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13835



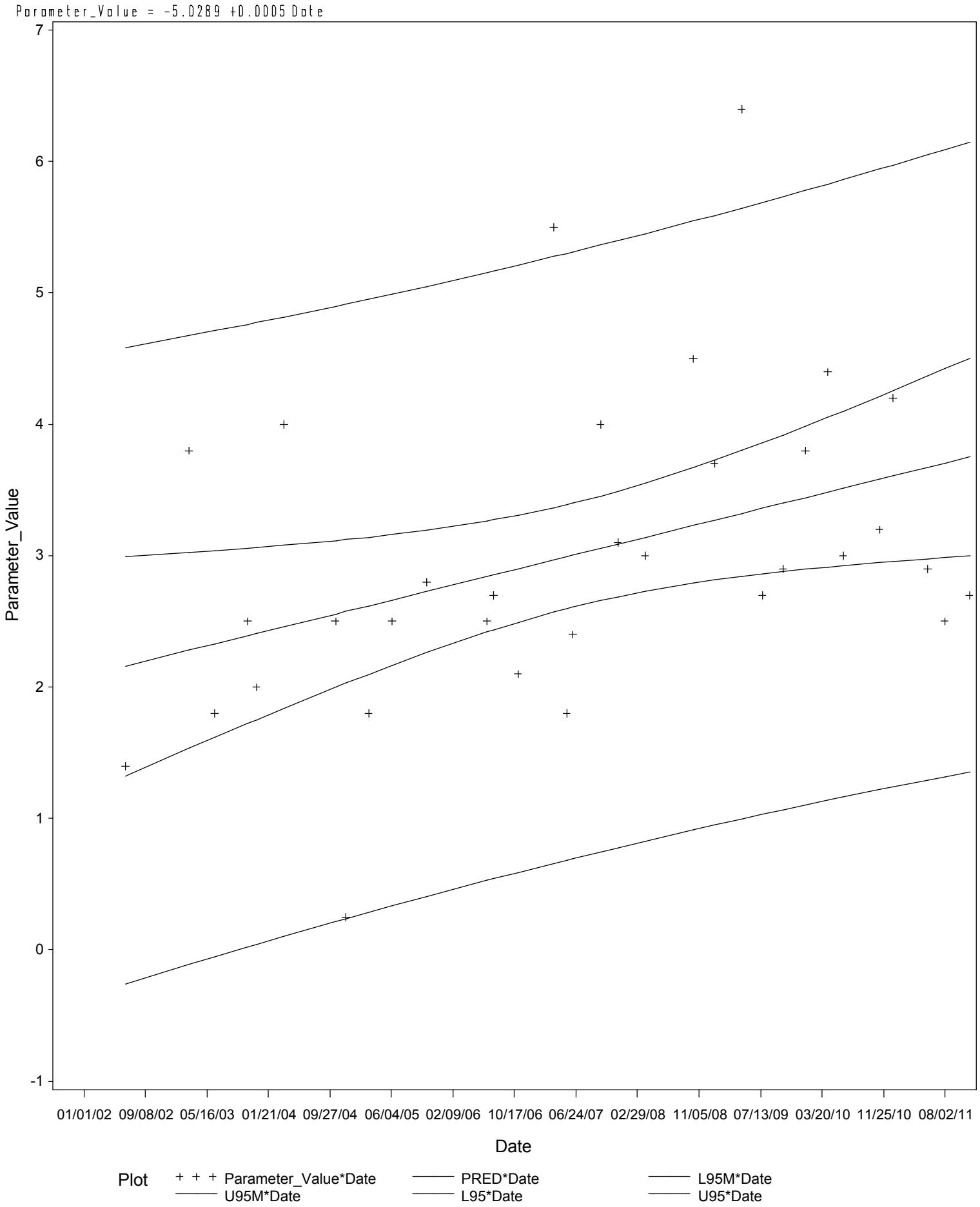
International Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=15892

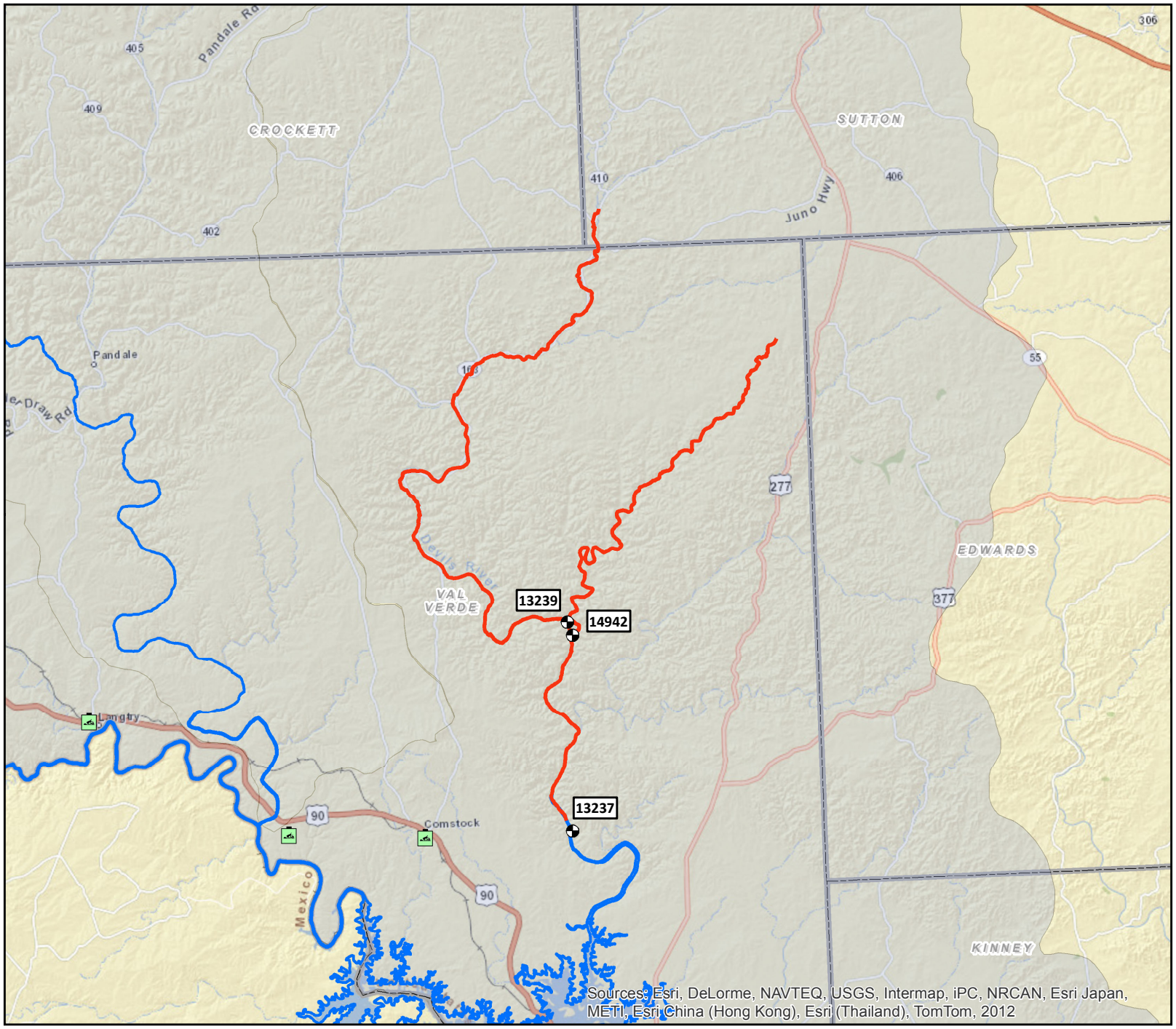


International Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=15893



6. Upper Rio Grande Segment 2309



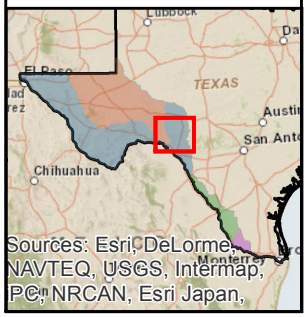
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Upper Rio Grande
Segment ID: 2309, 2309A
Name: Devils River

LEGEND

- Monitoring Station (3)
- Landfill (3)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



0 5 10 MILES

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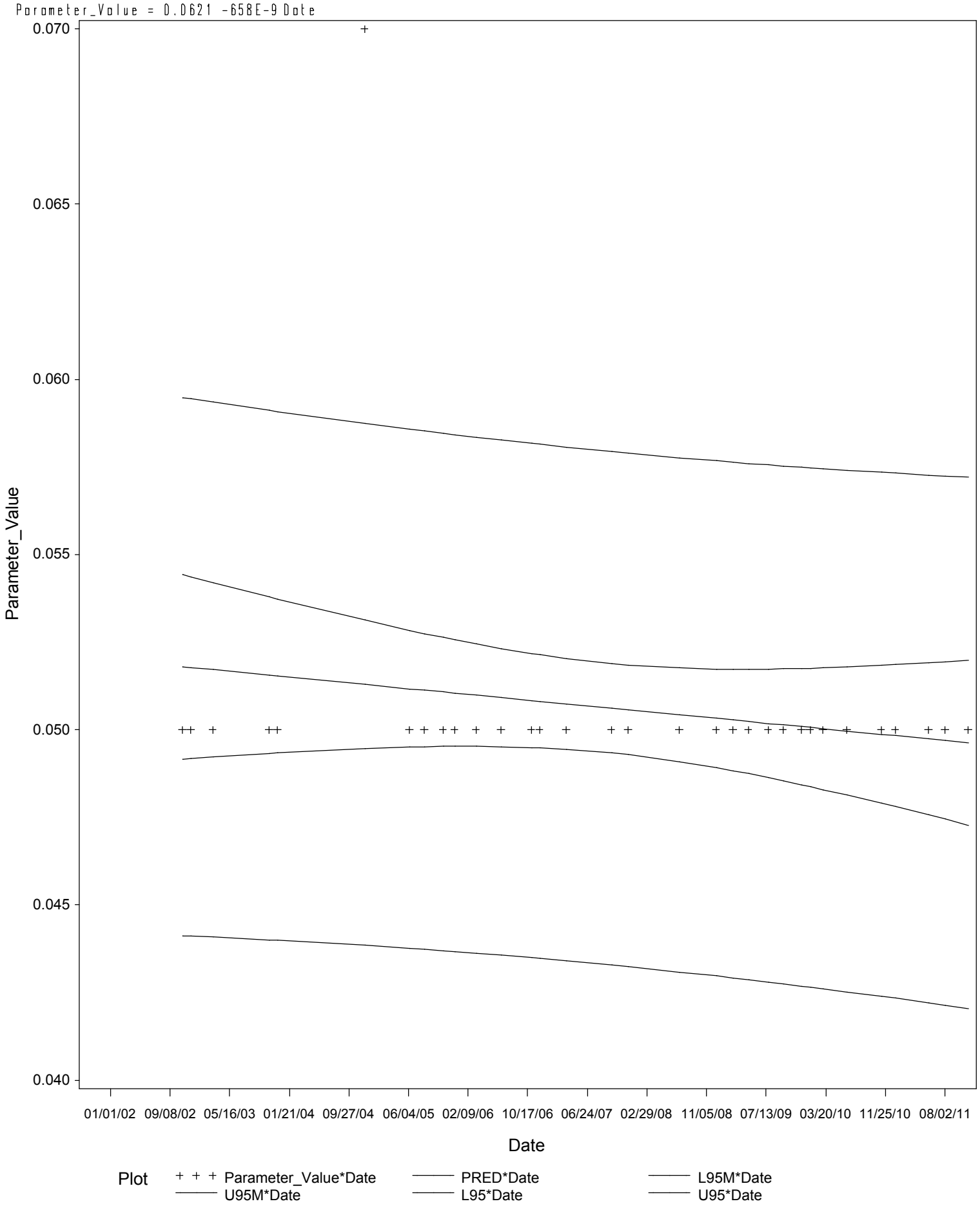
HDR ENVIRONMENTAL, OPERATIONS AND CONSTRUCTION, INC
184 CREEKSIDE PARK, SUITE 100
SPRING BRANCH, TX 78070-6230
210.253.6528

AUG 2013

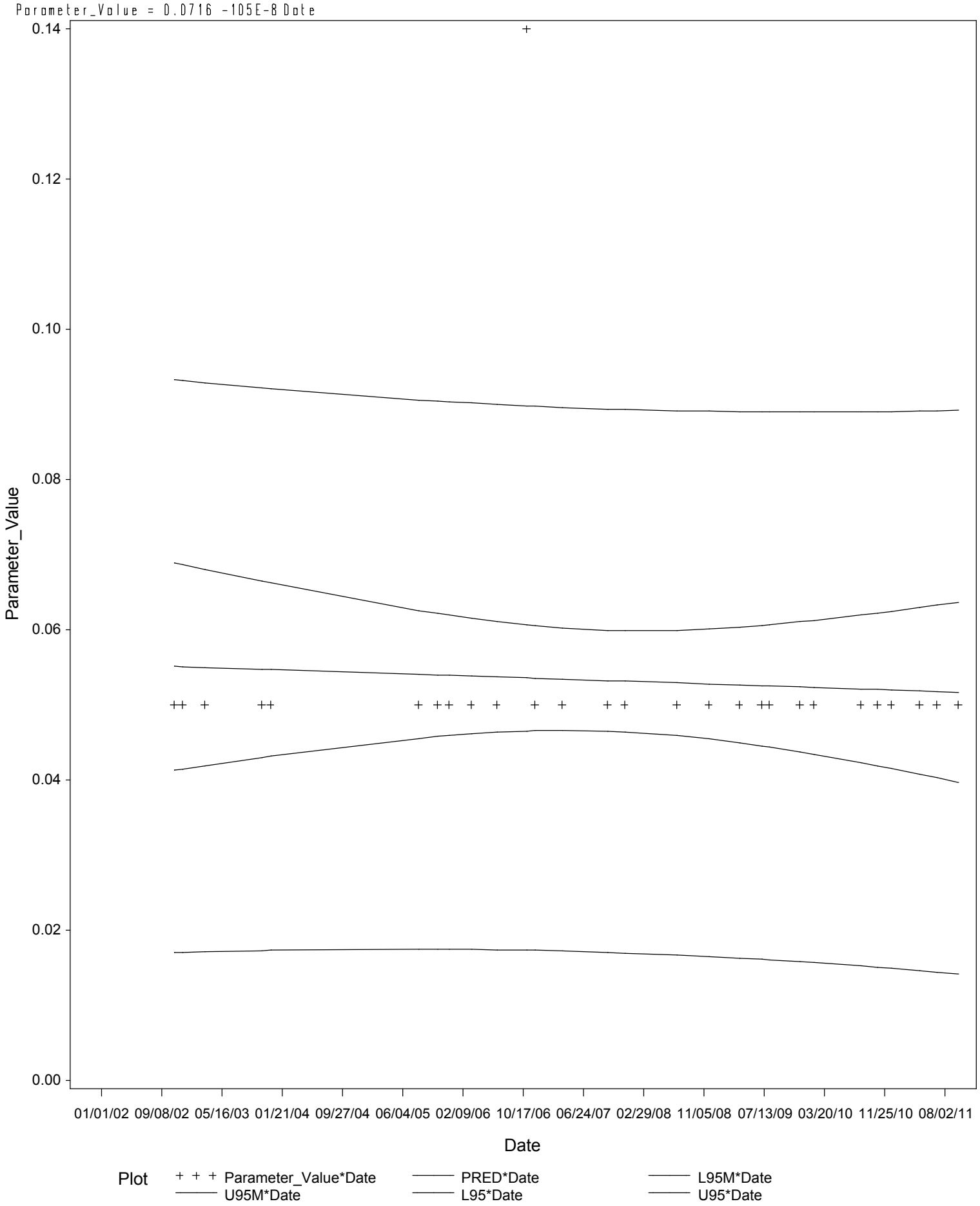
Devils River

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13237

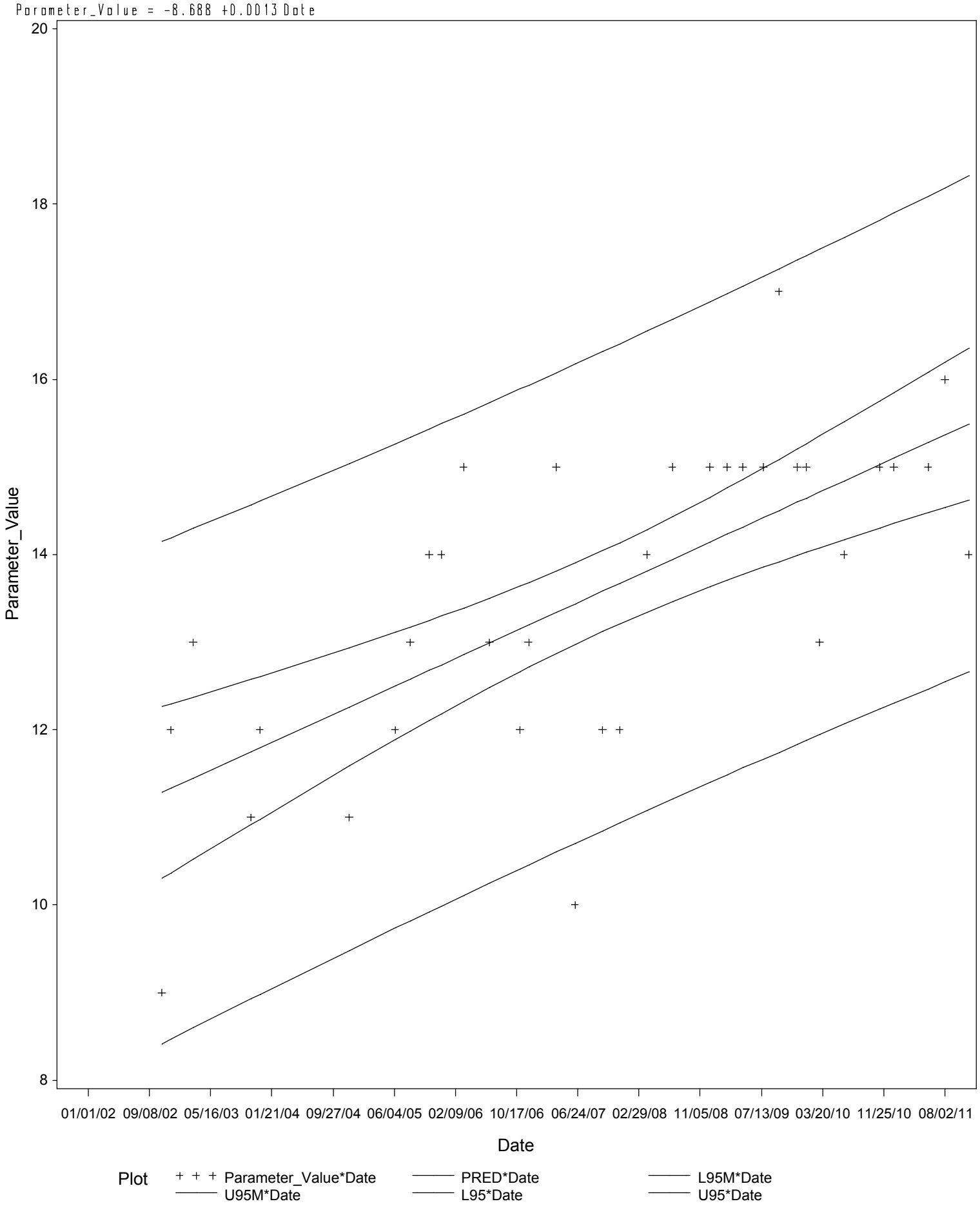


Devils River

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13239

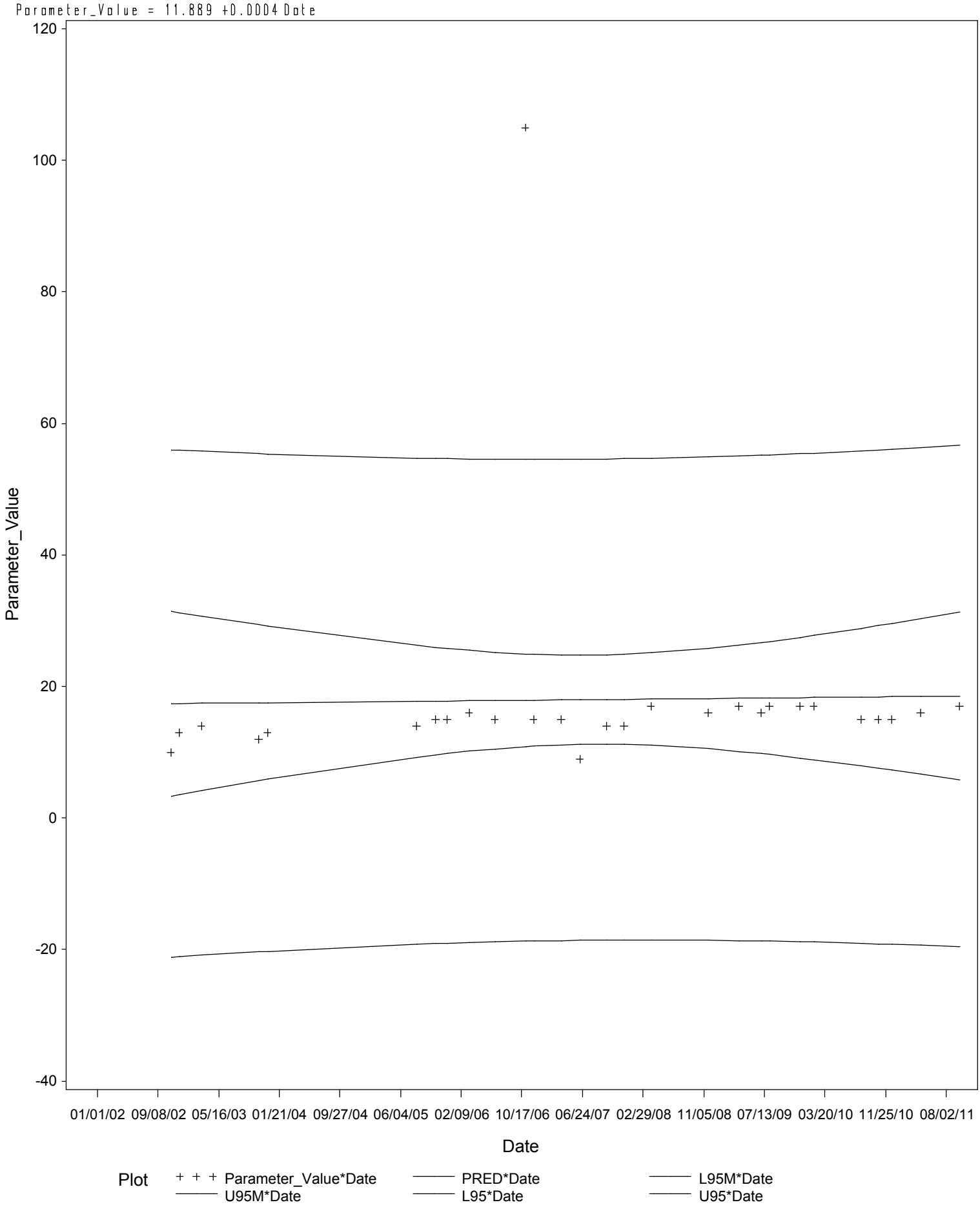


Devils River
Parameter=CHLORIDE (MG/L AS CL) Station=13237



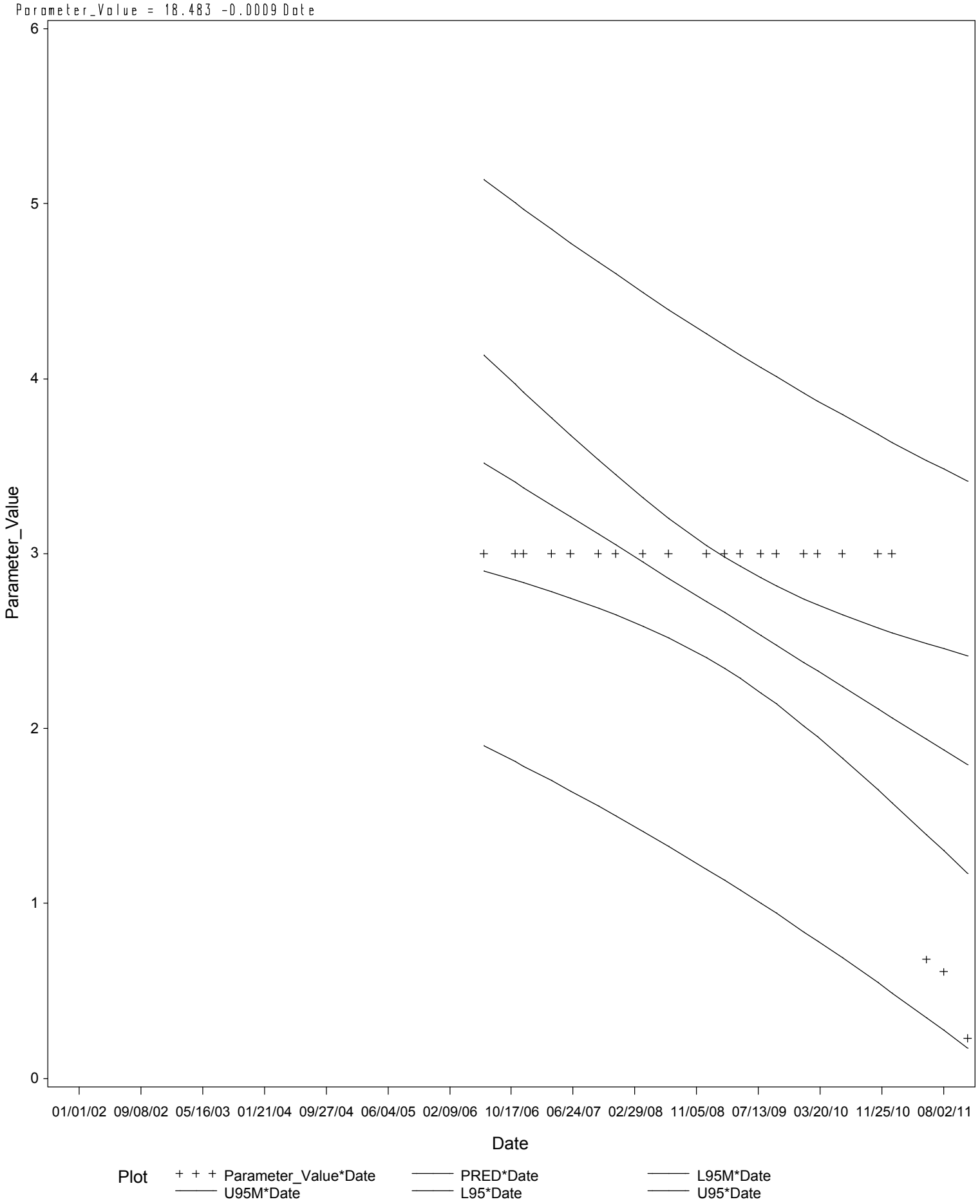
Devils River

Parameter=CHLORIDE (MG/L AS CL) Station=13239



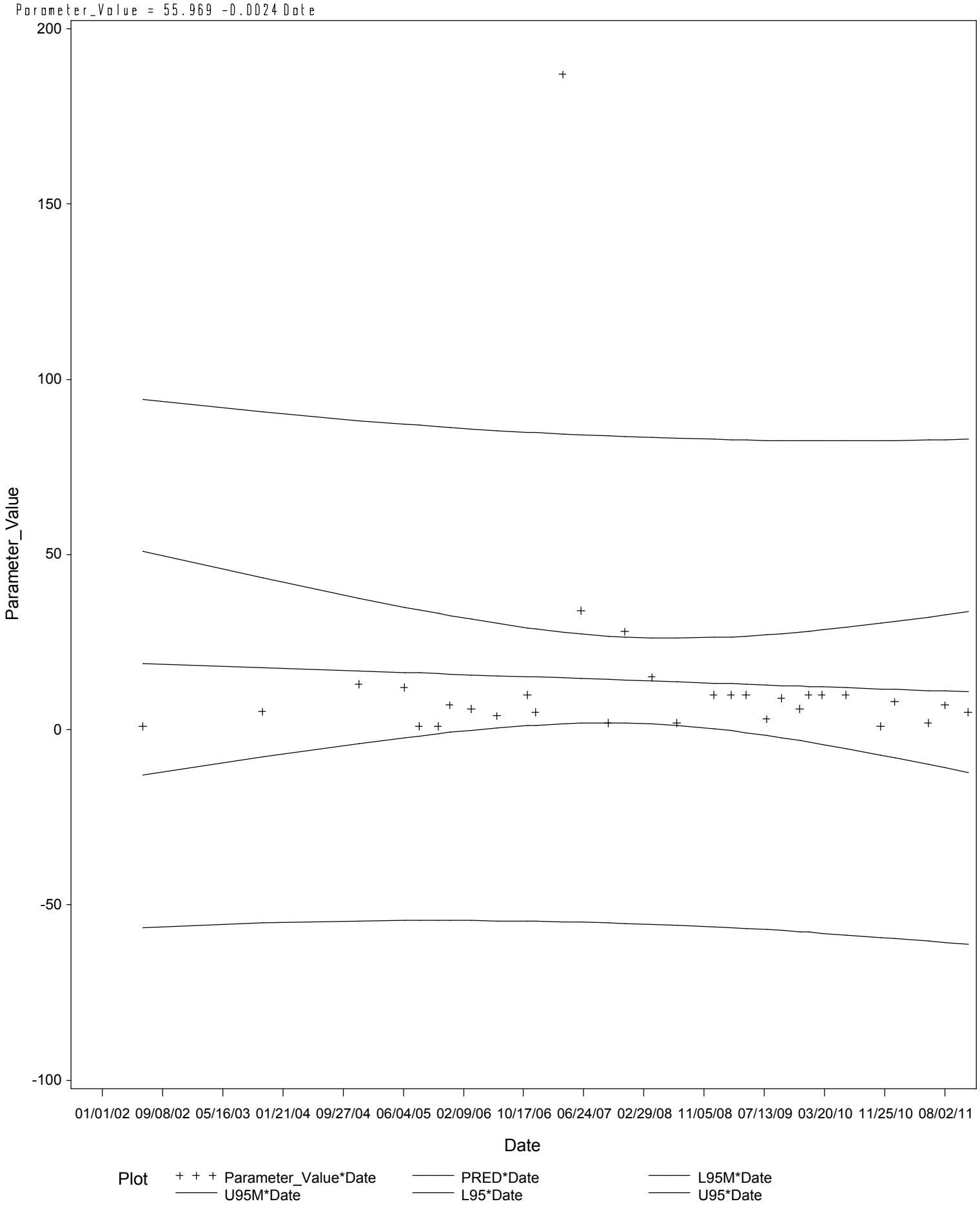
Devils River

Parameter=CHLOROPHYLL-A, UG/L Station=13237



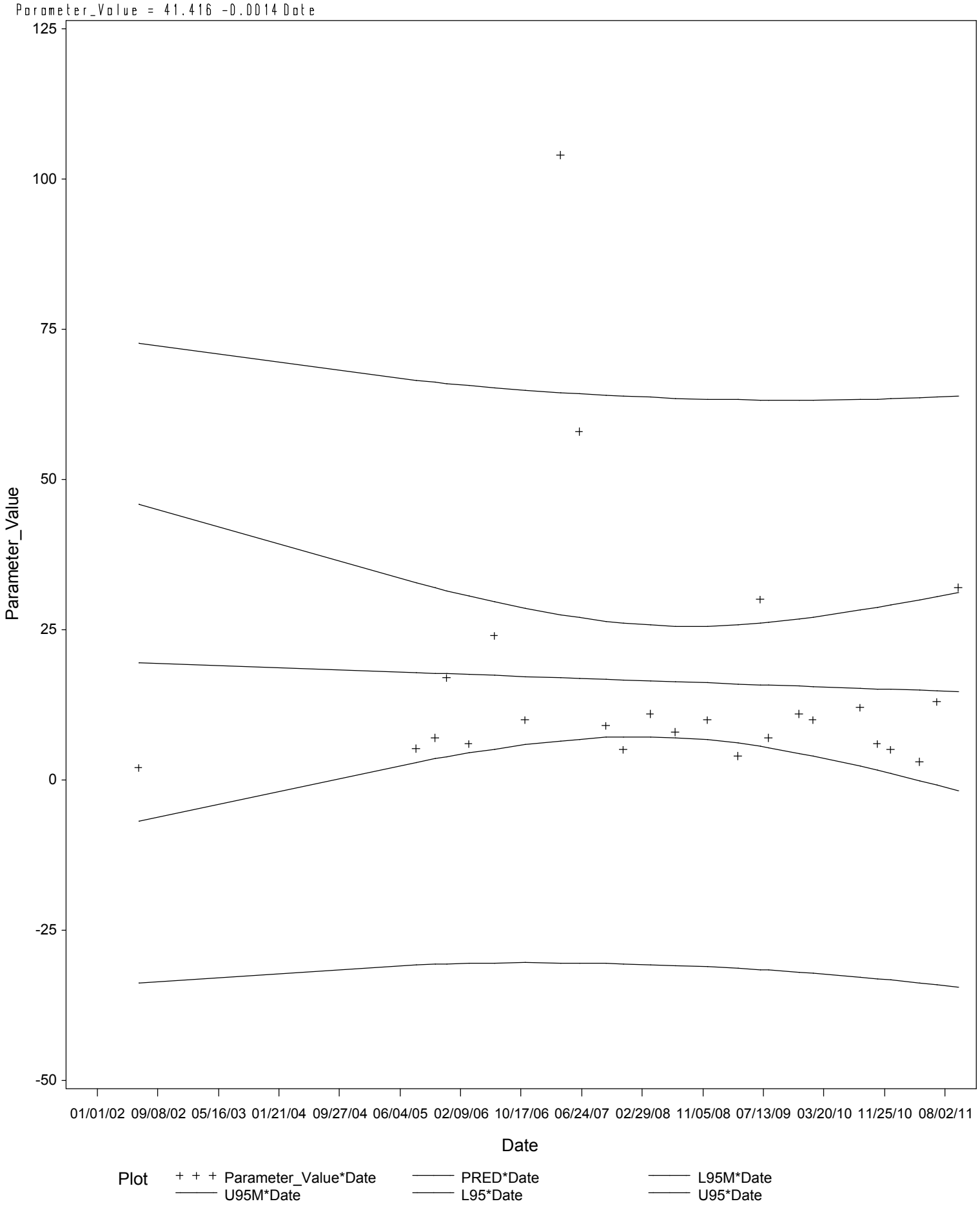
Devils River

Parameter=E. COLI, MPN/100ML Station=13237



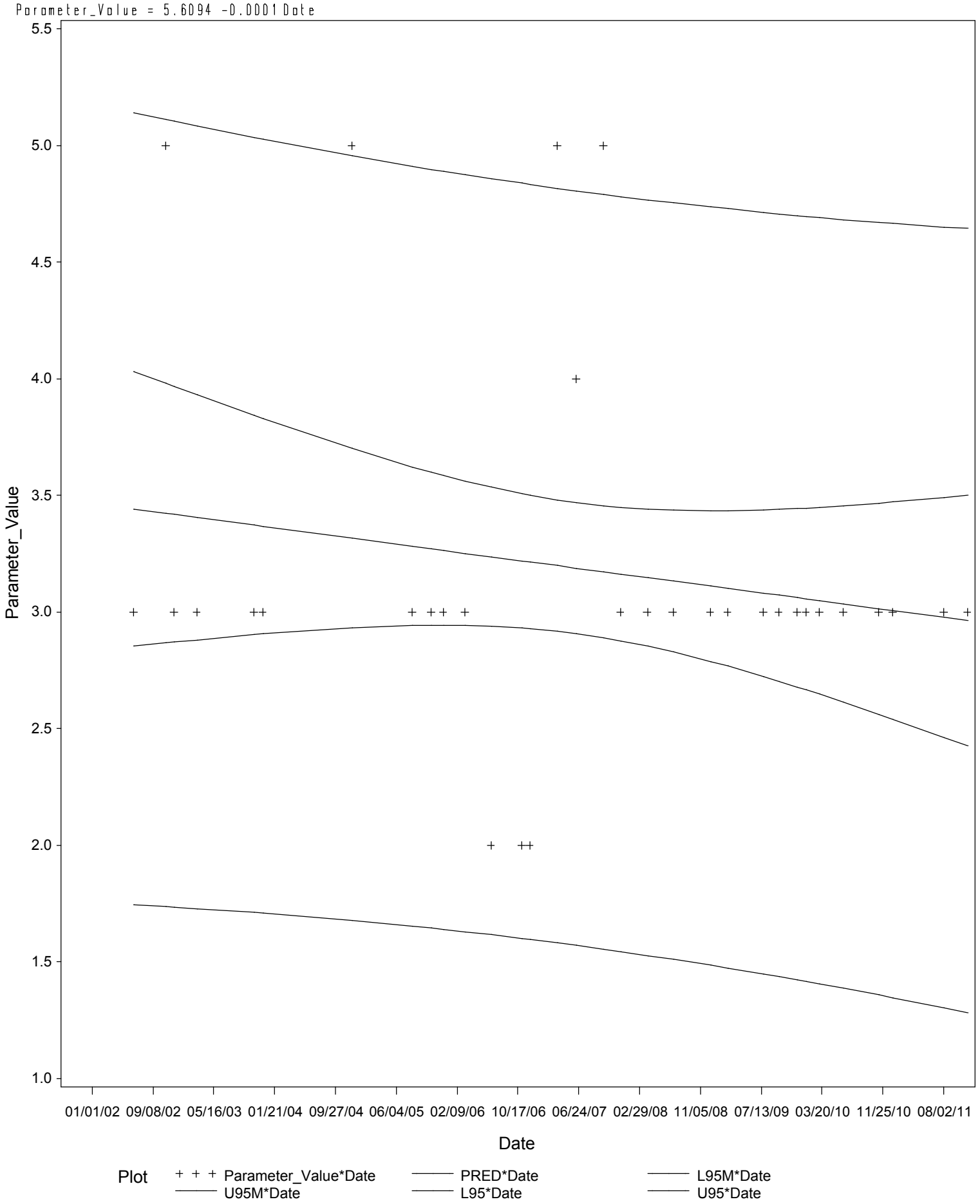
Devils River

Parameter=E. COLI, MPN/100ML Station=13239



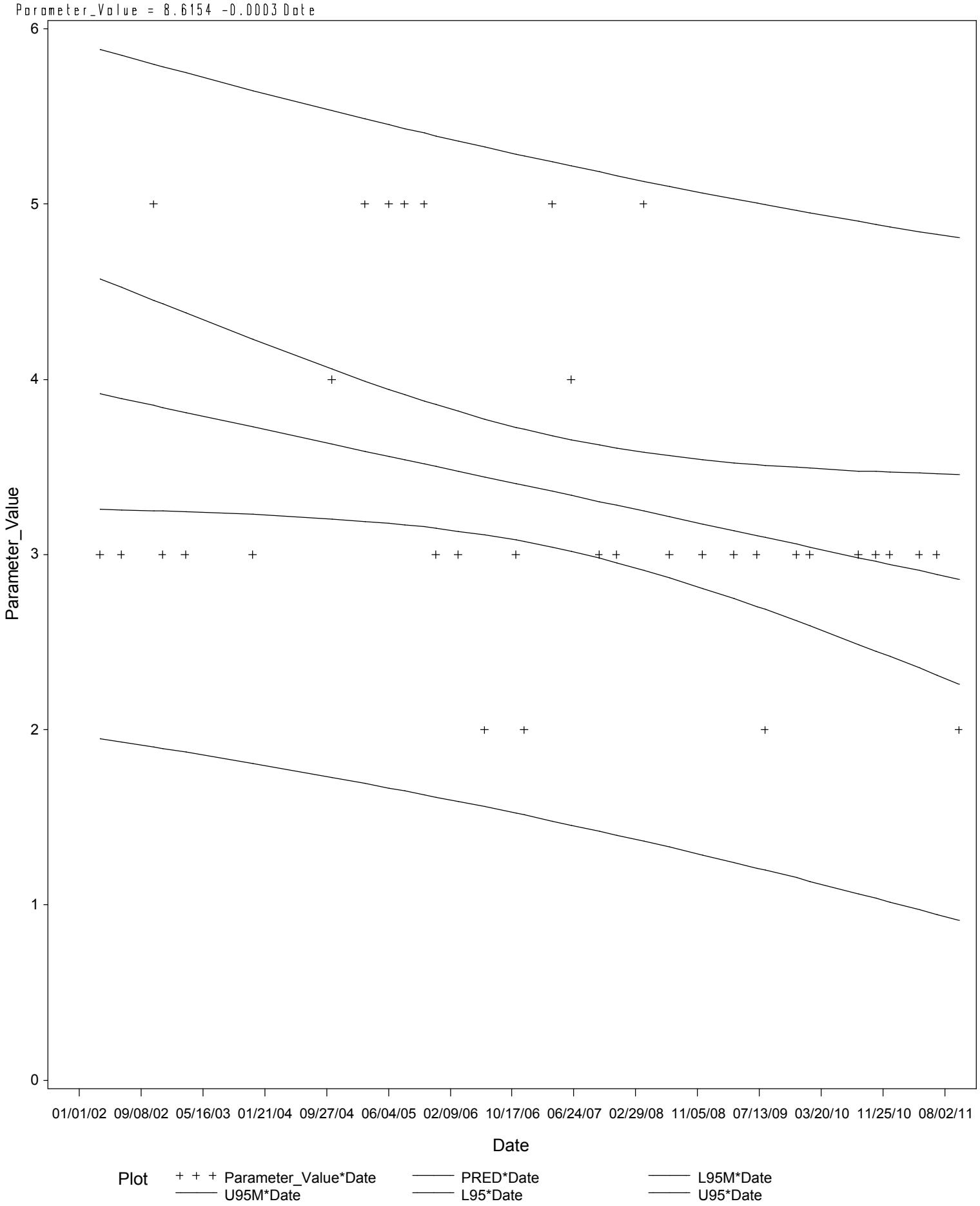
Devils River

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13237



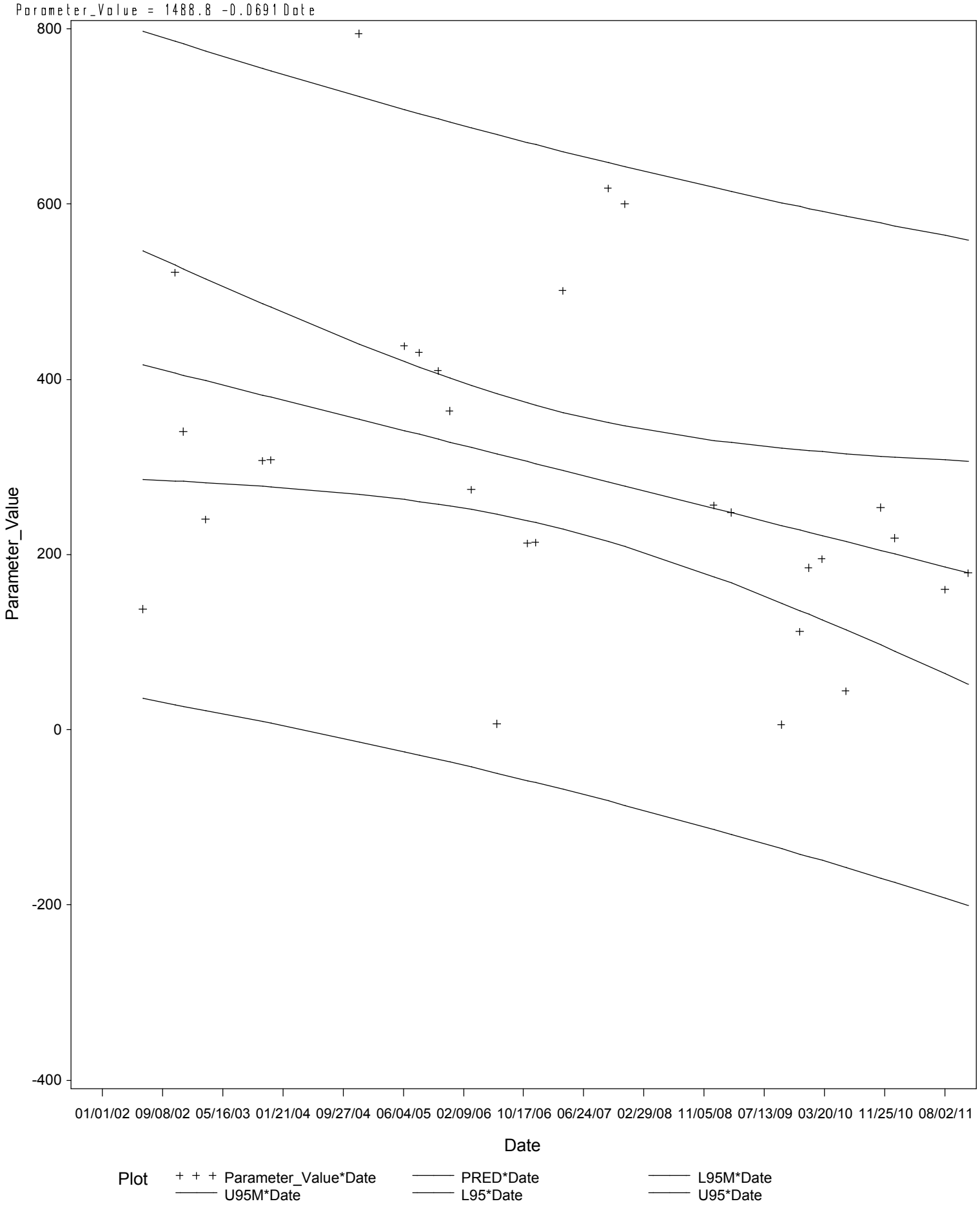
Devils River

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13239



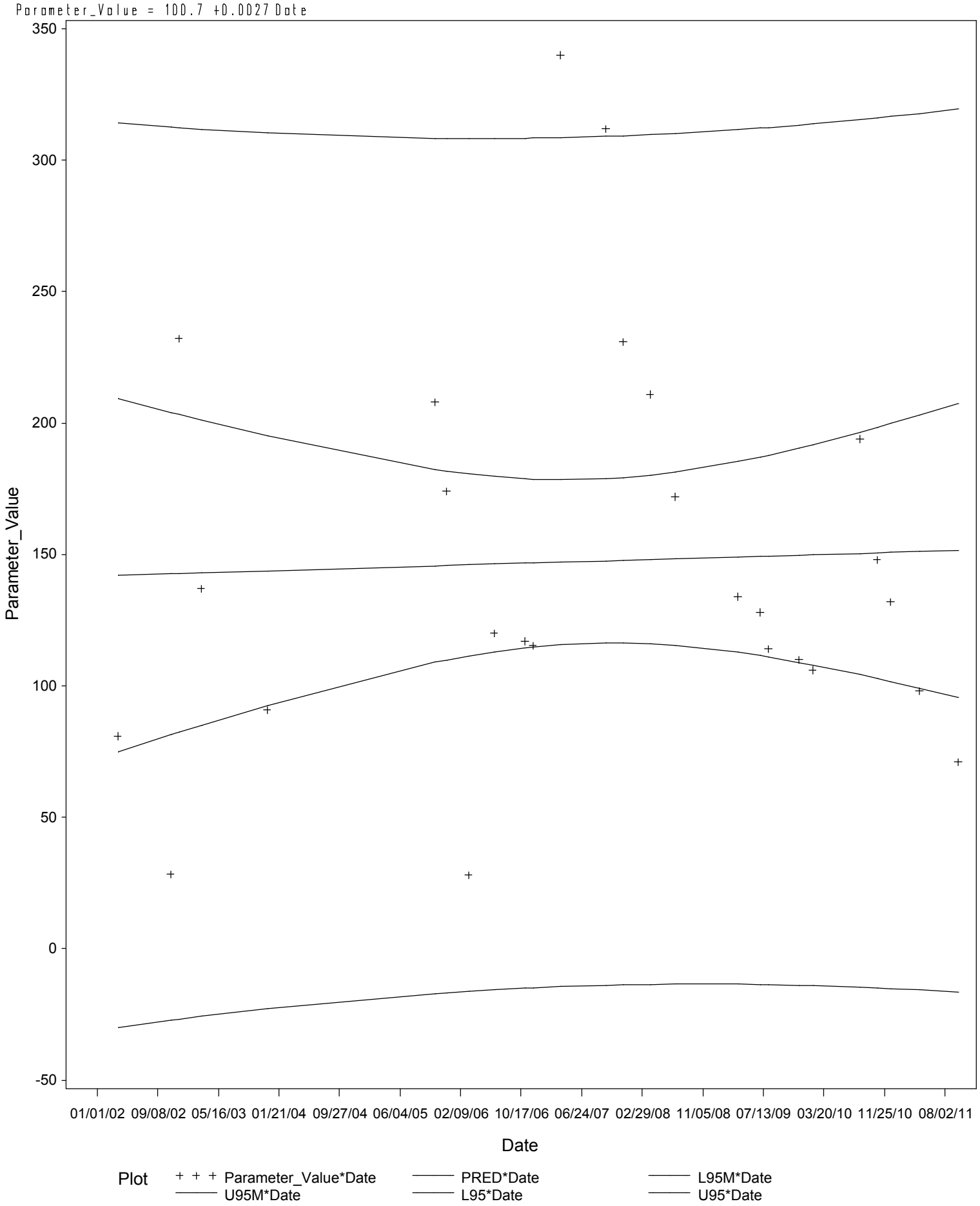
Devils River

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13237



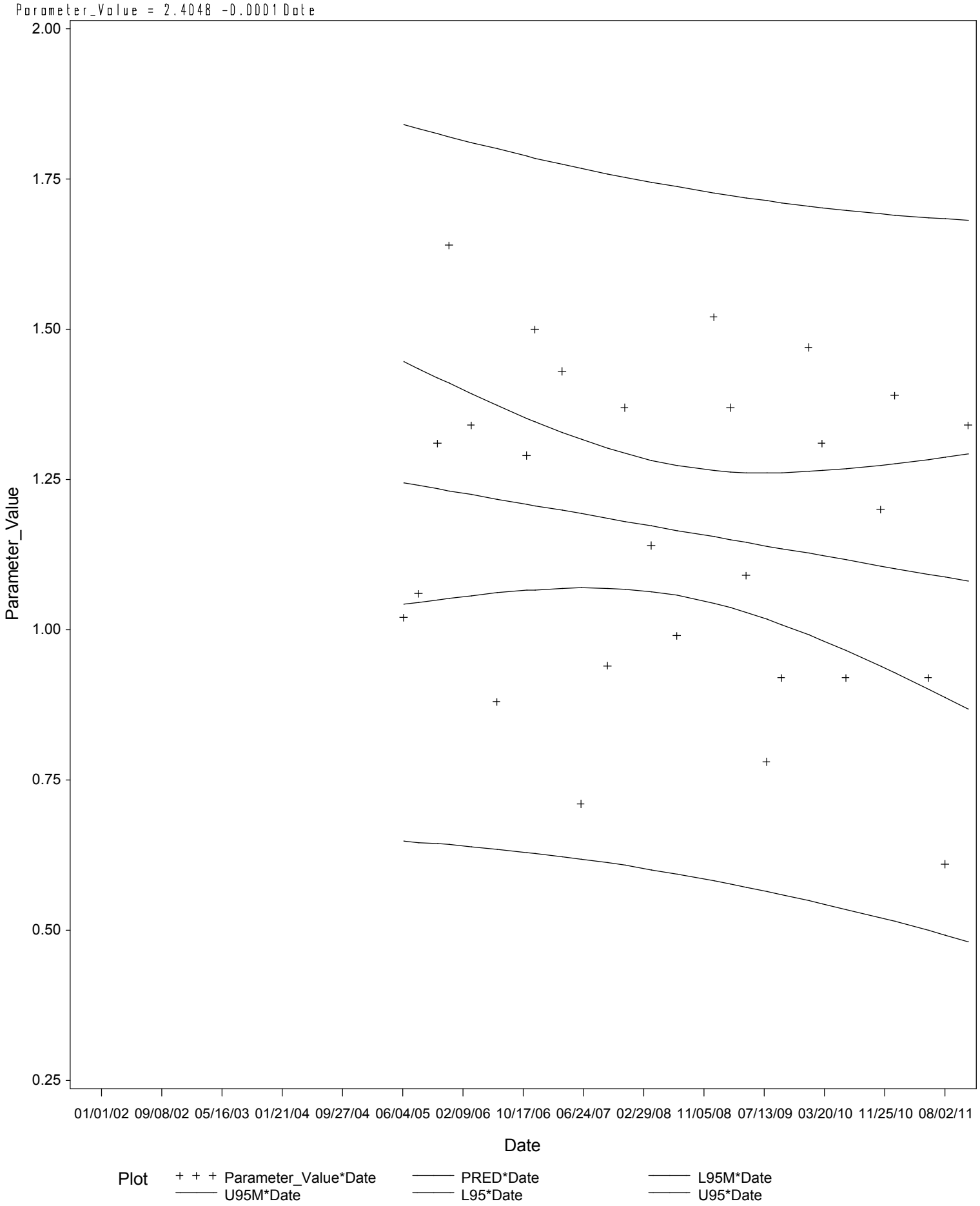
Devils River

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13239



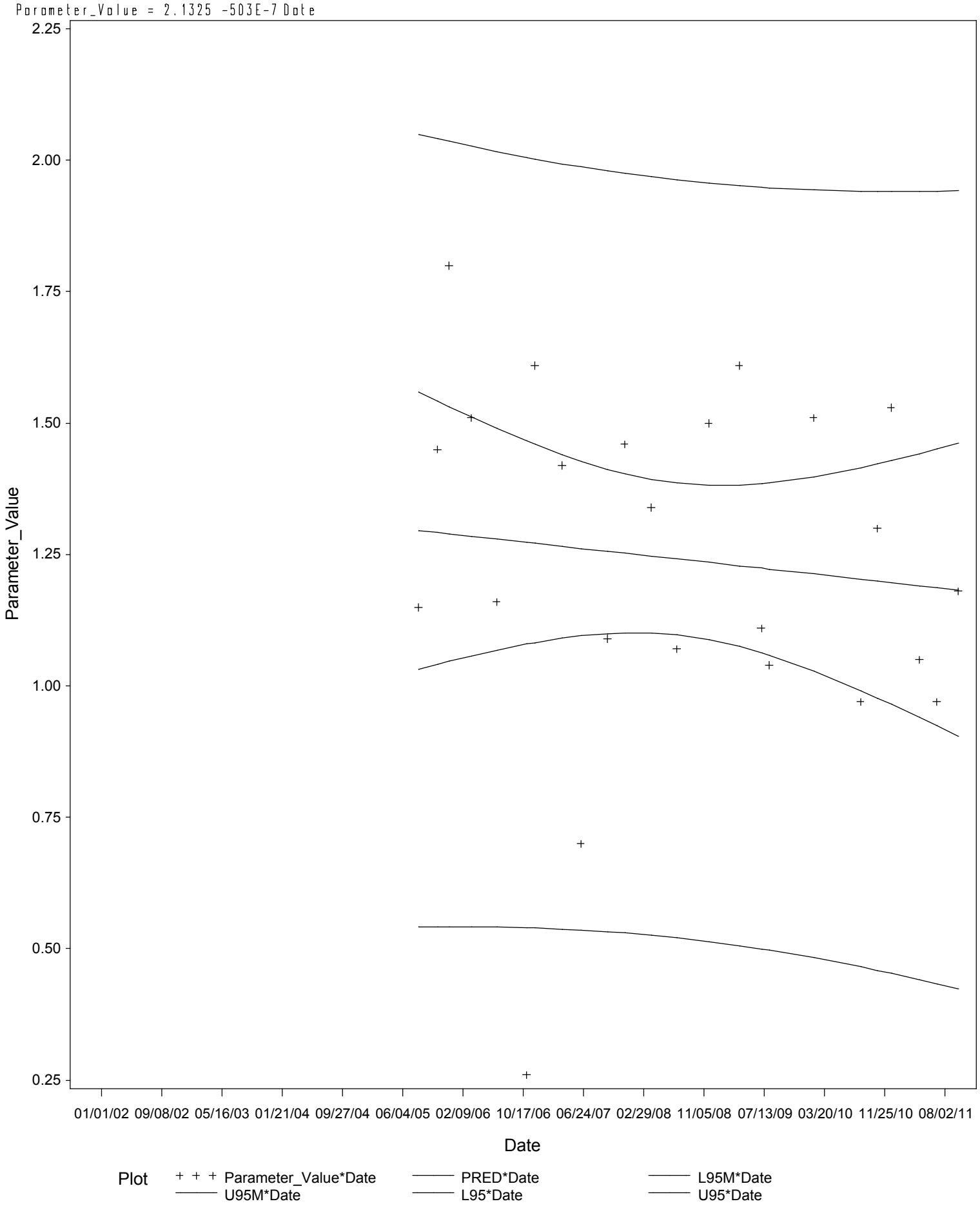
Devils River

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13237



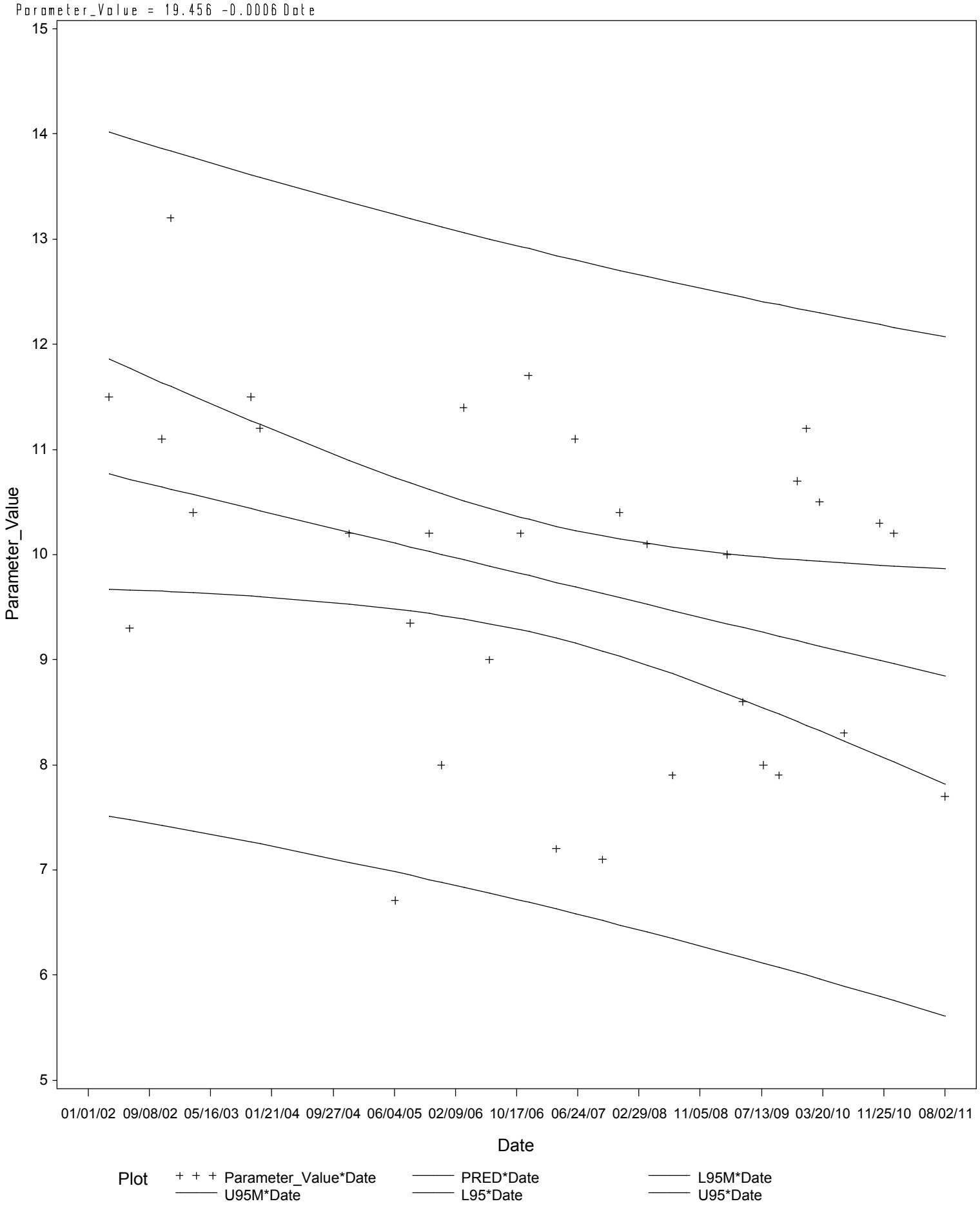
Devils River

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13239



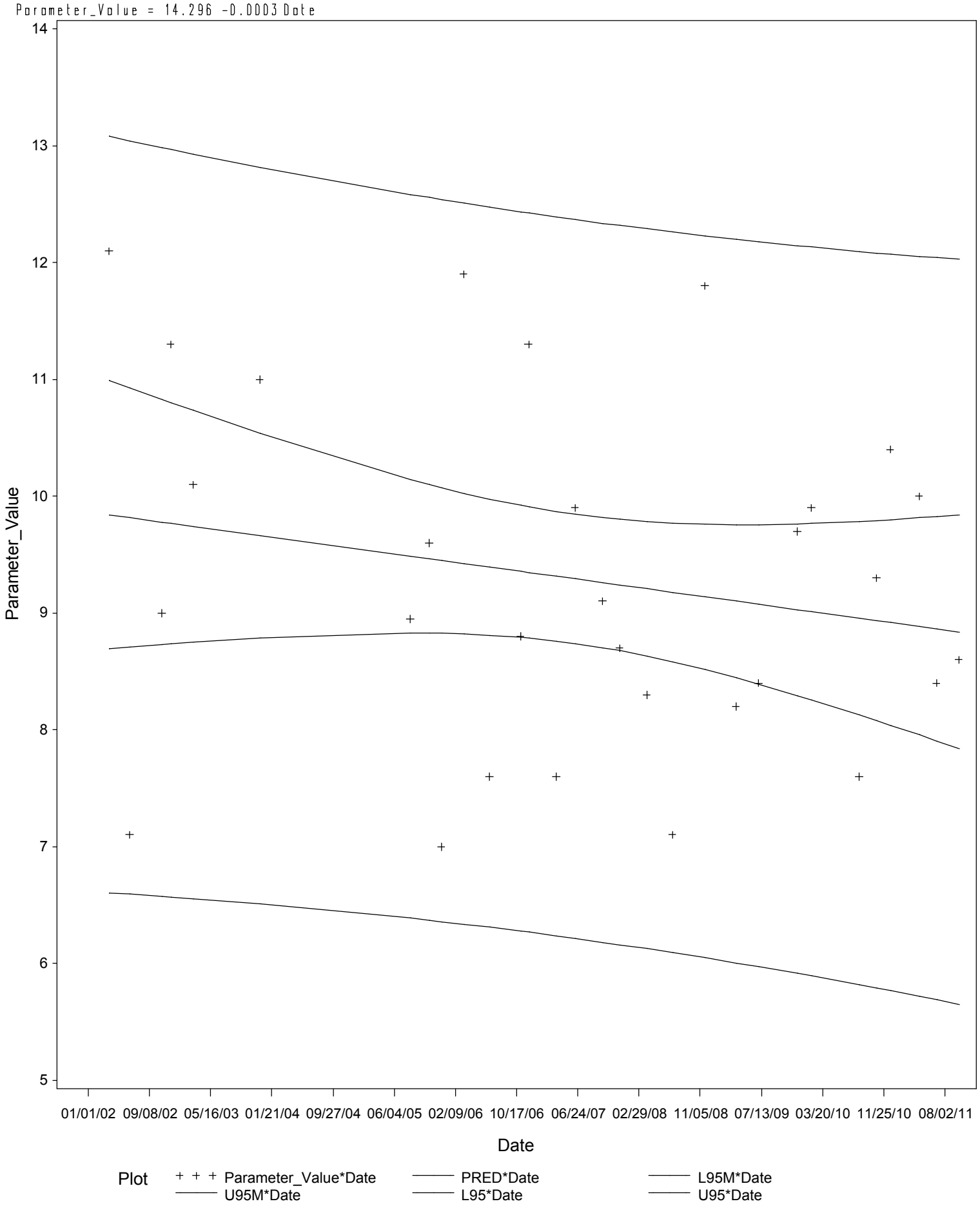
Devils River

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13237



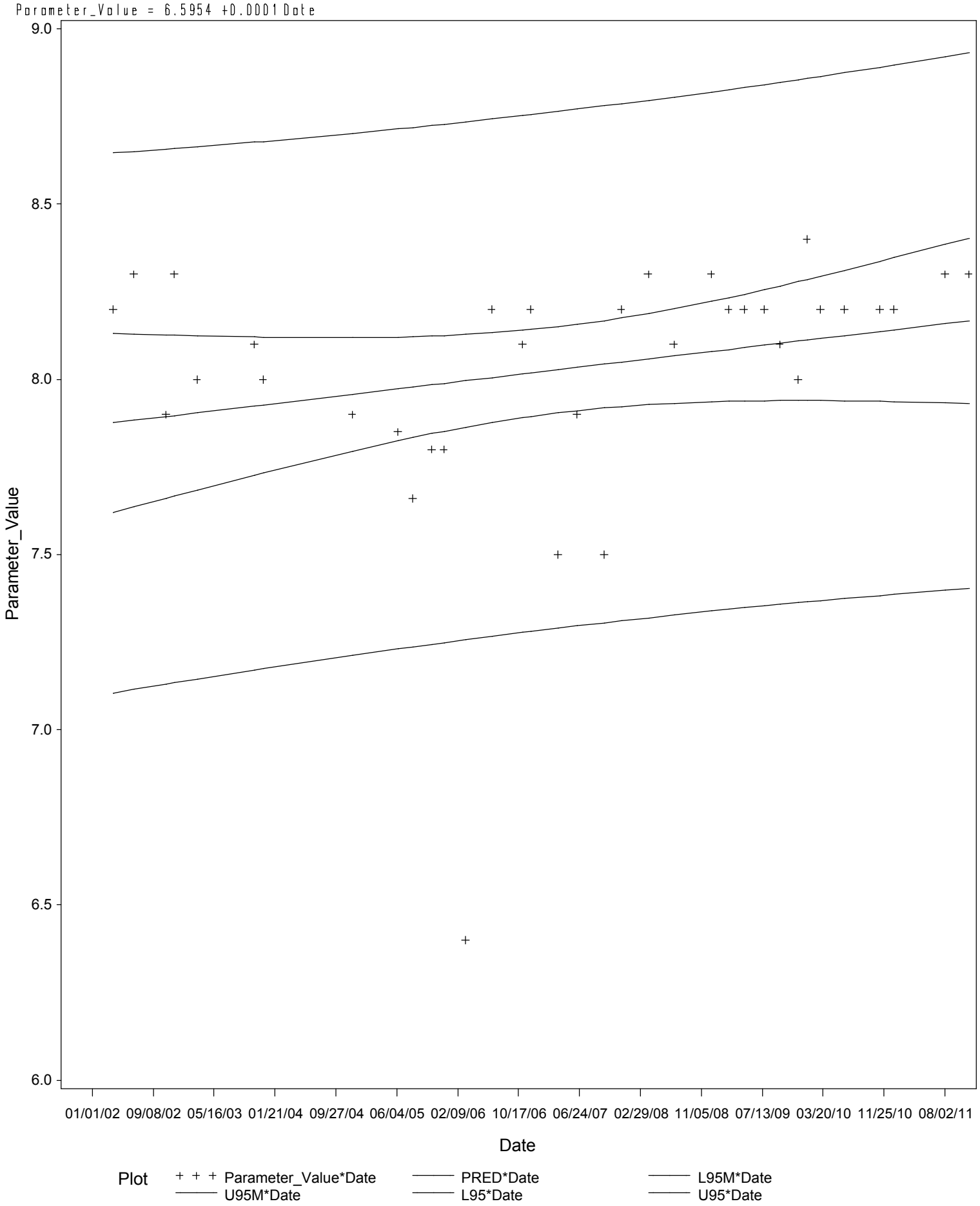
Devils River

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13239



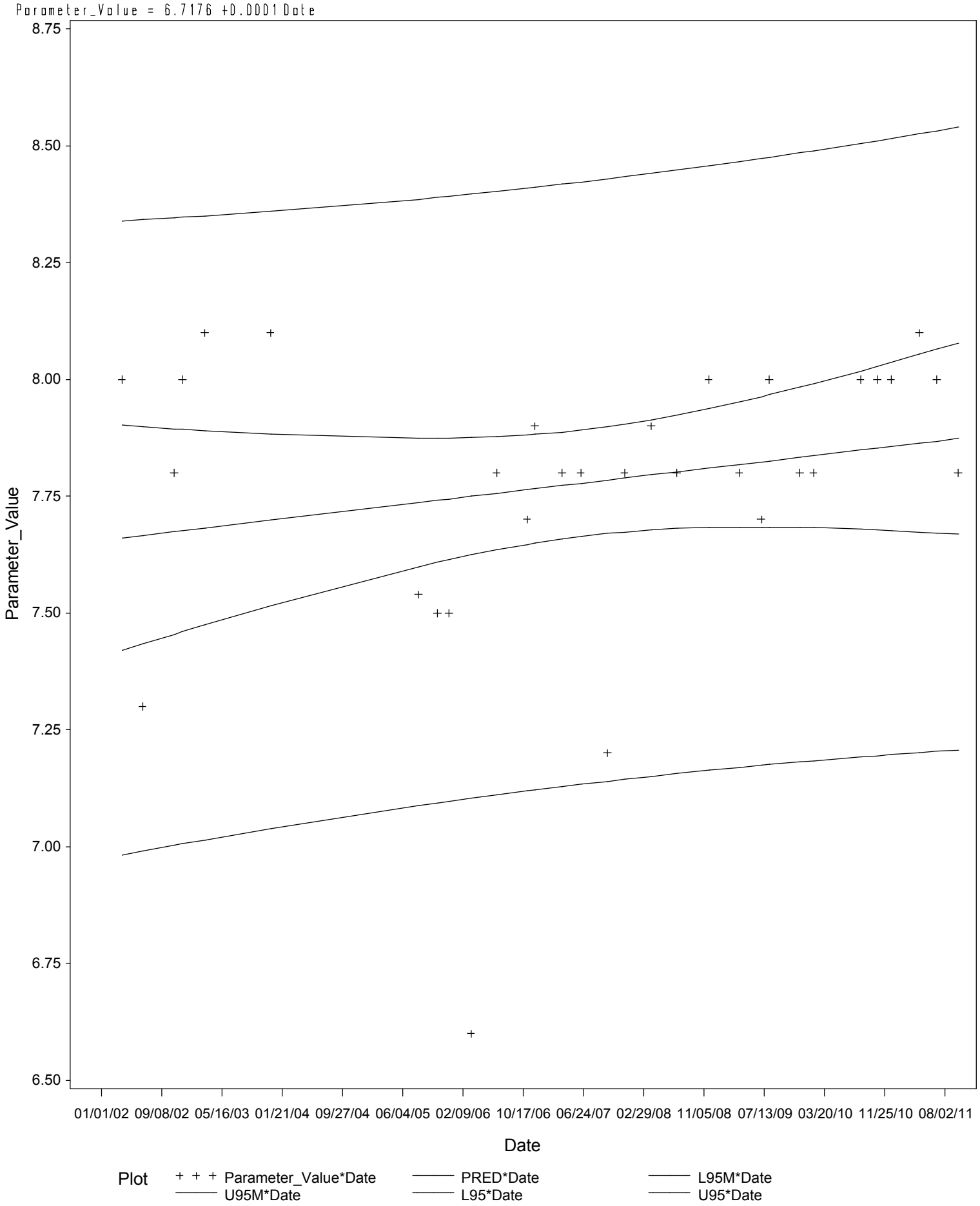
Devils River

Parameter=PH (STANDARD UNITS) Station=13237



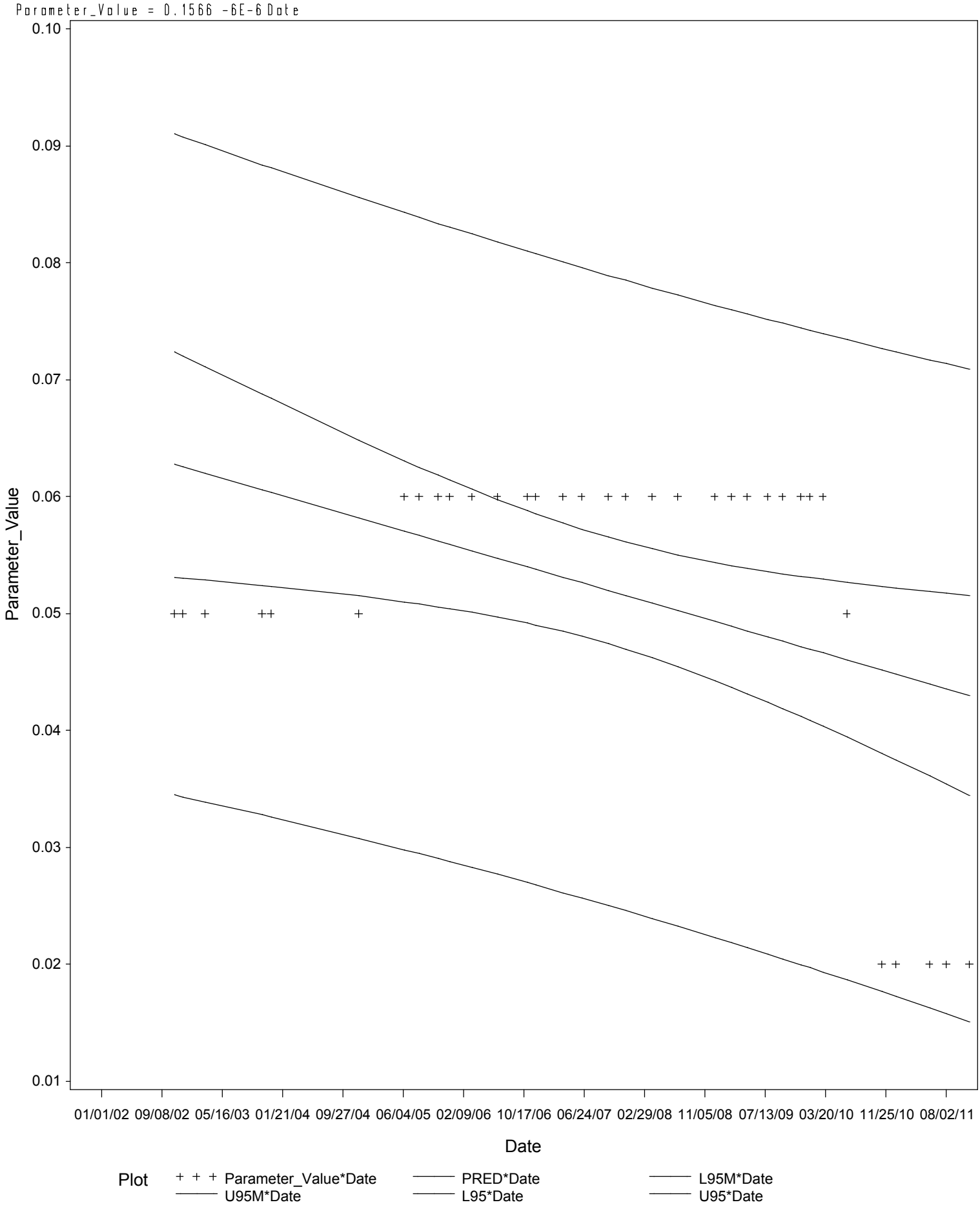
Devils River

Parameter=PH (STANDARD UNITS) Station=13239



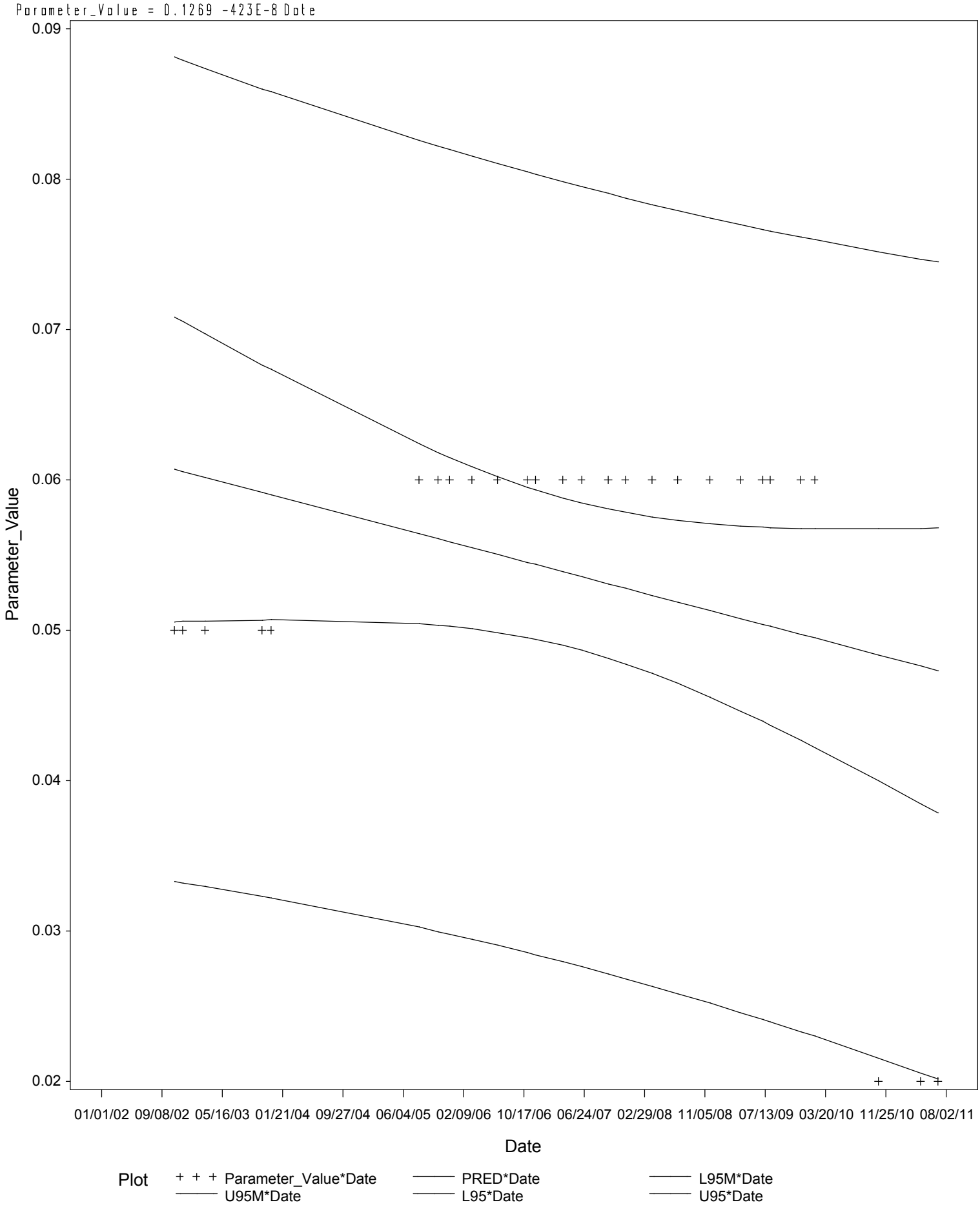
Devils River

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13237



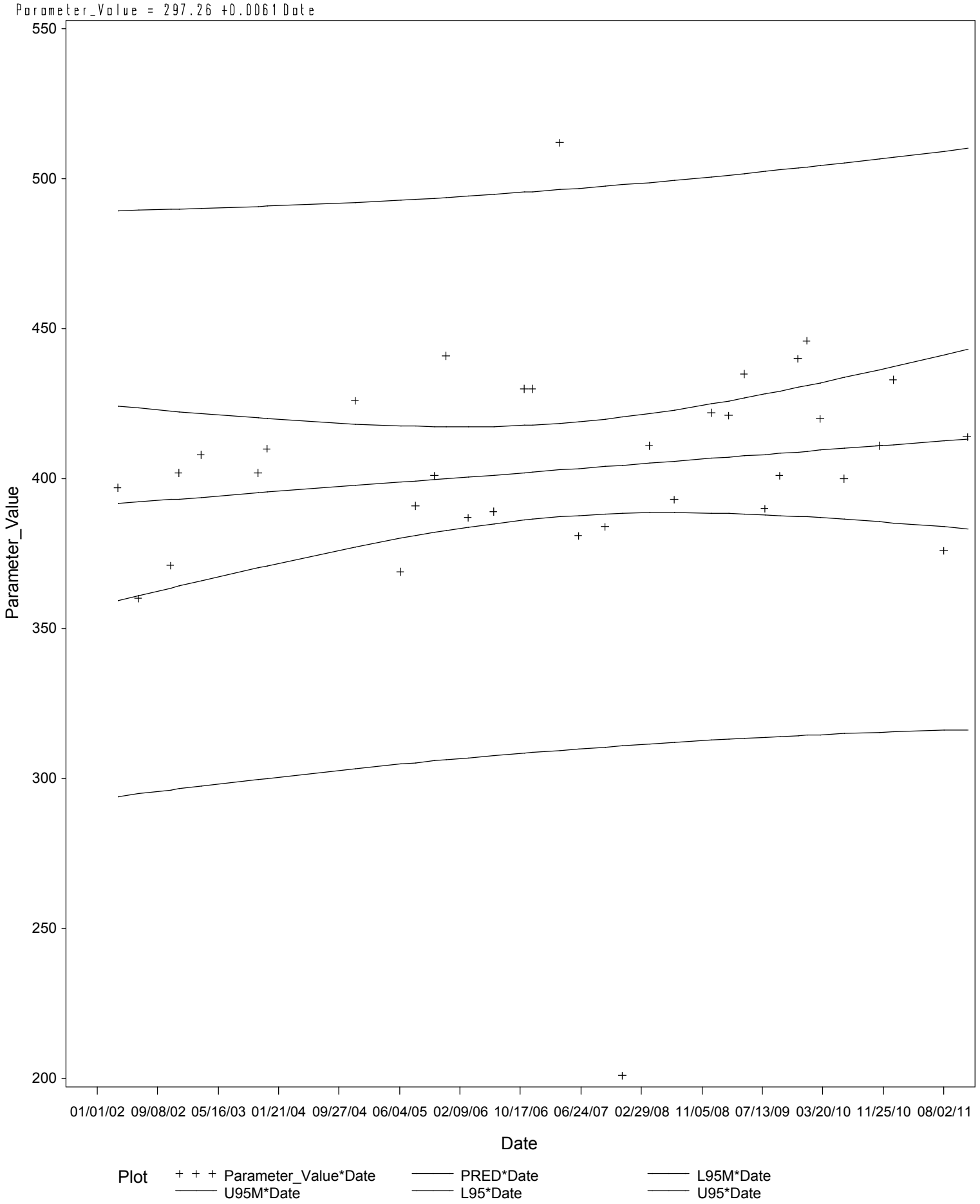
Devils River

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13239



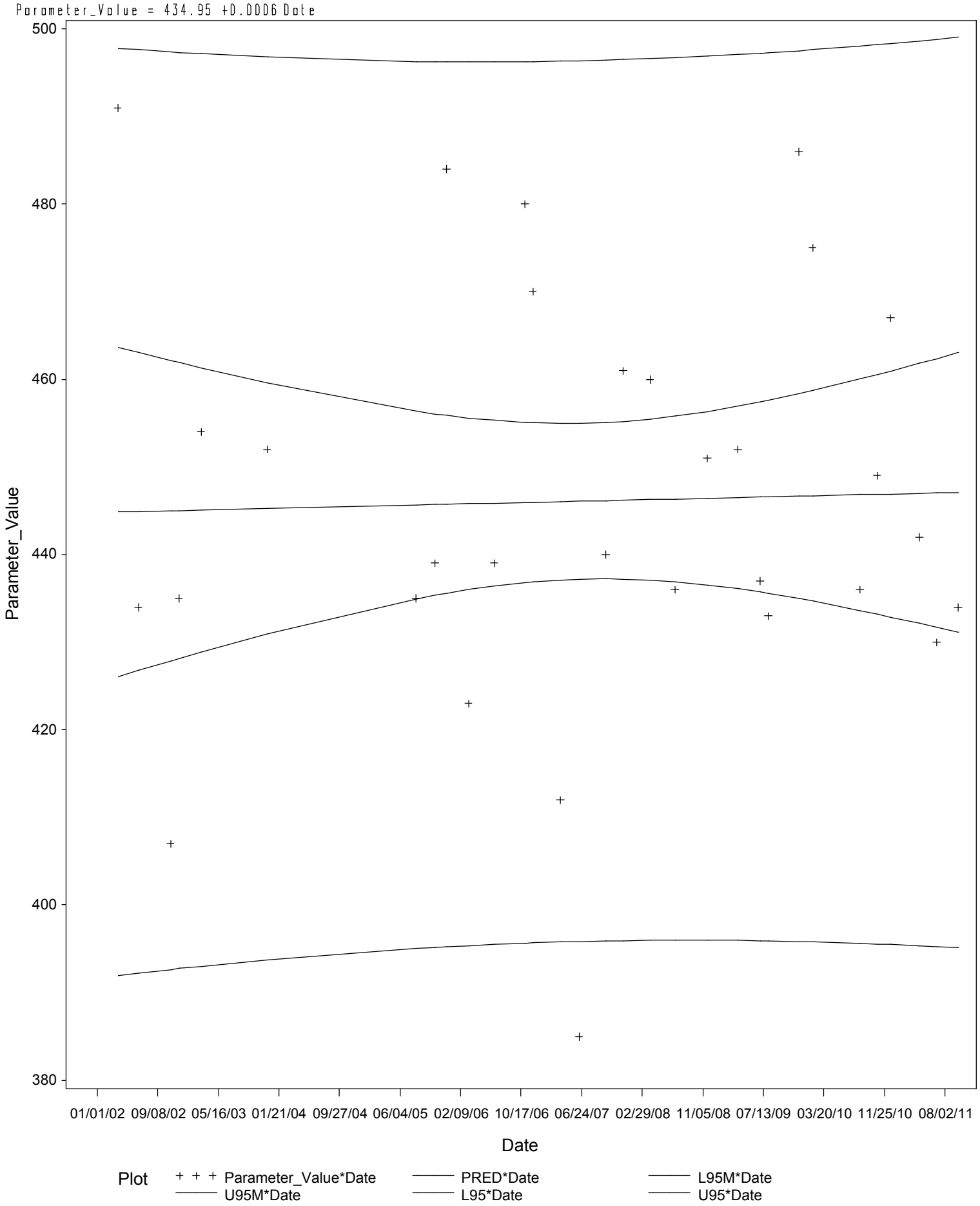
Devils River

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13237



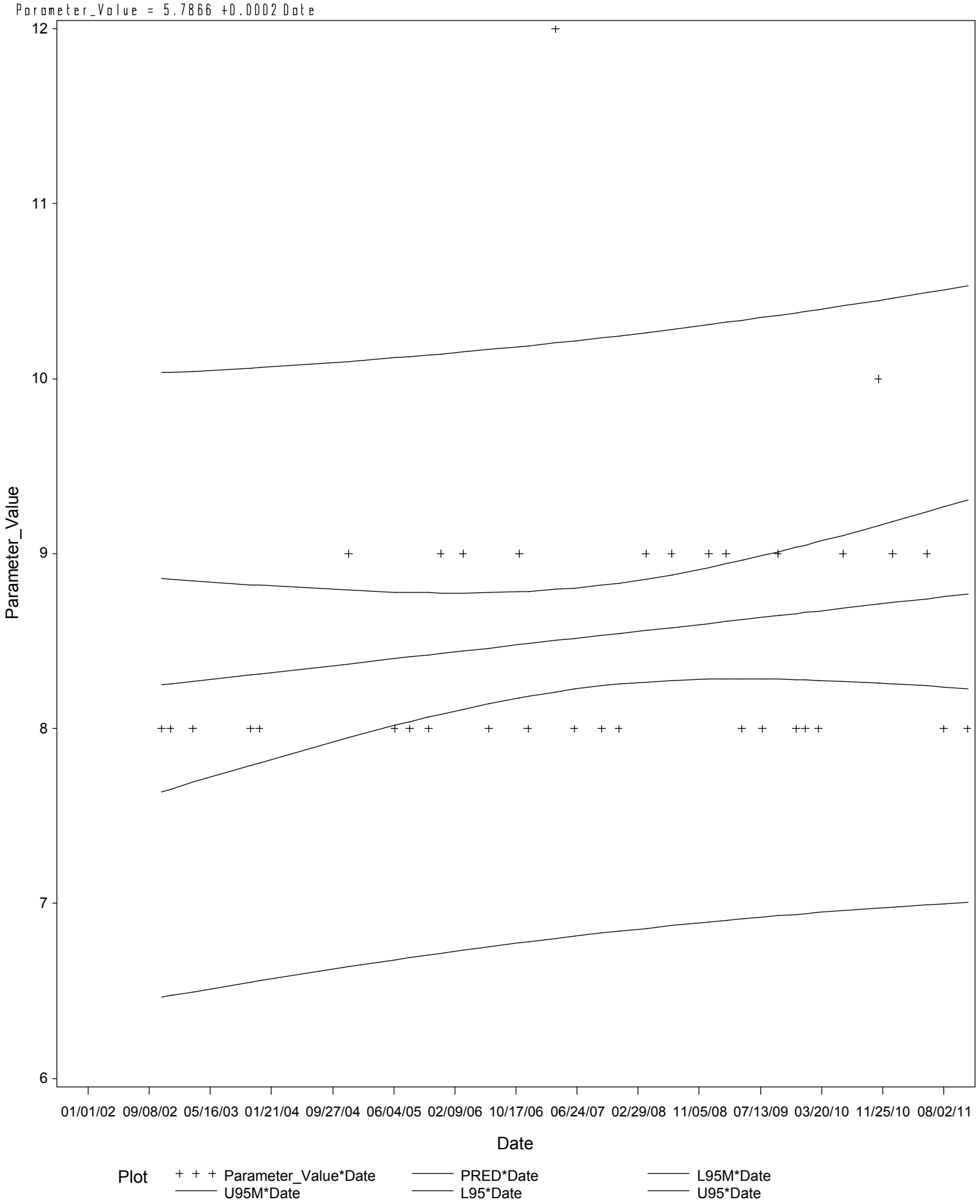
Devils River

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13239



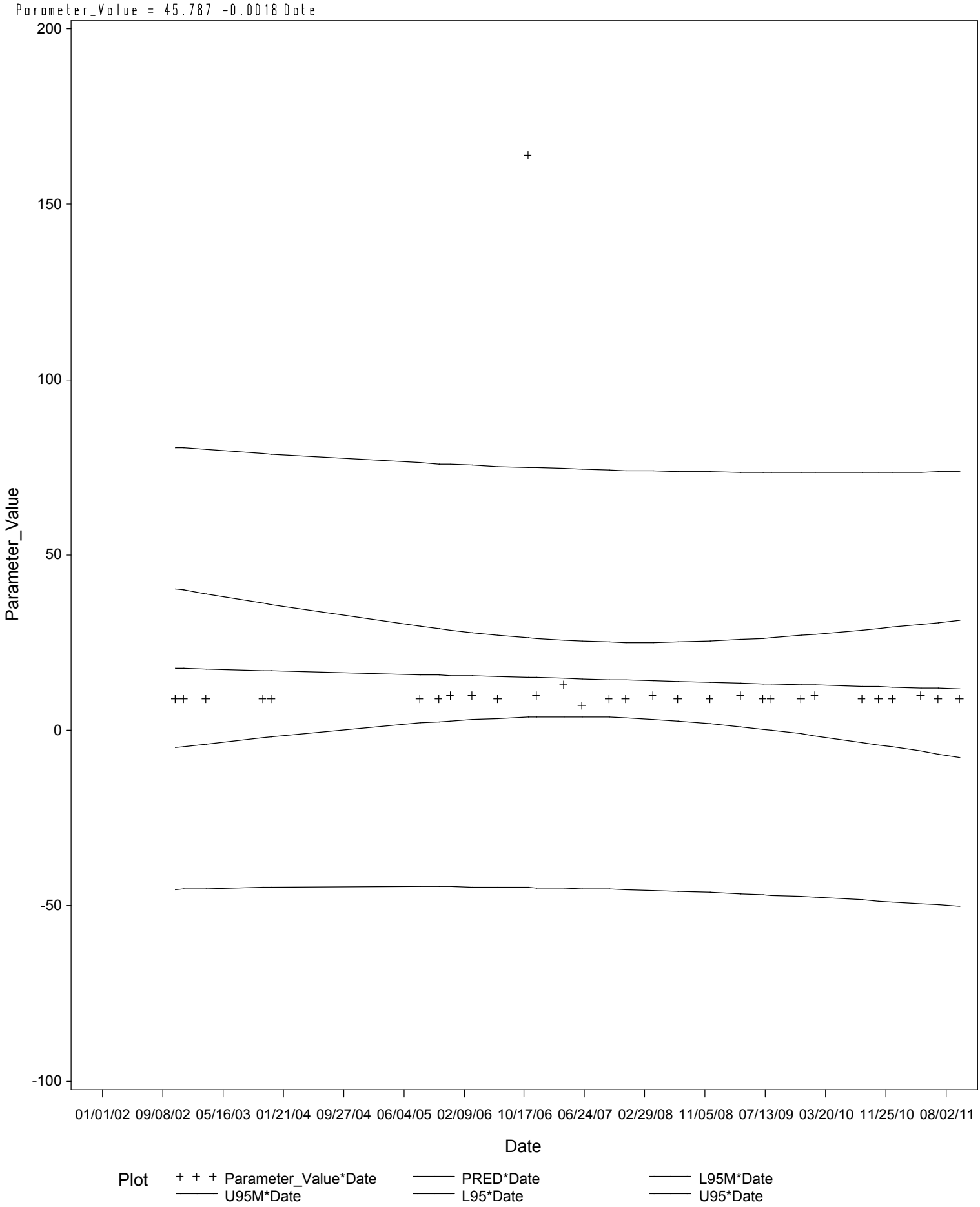
Devils River

Parameter=SULFATE (MG/L AS SO4) Station=13237



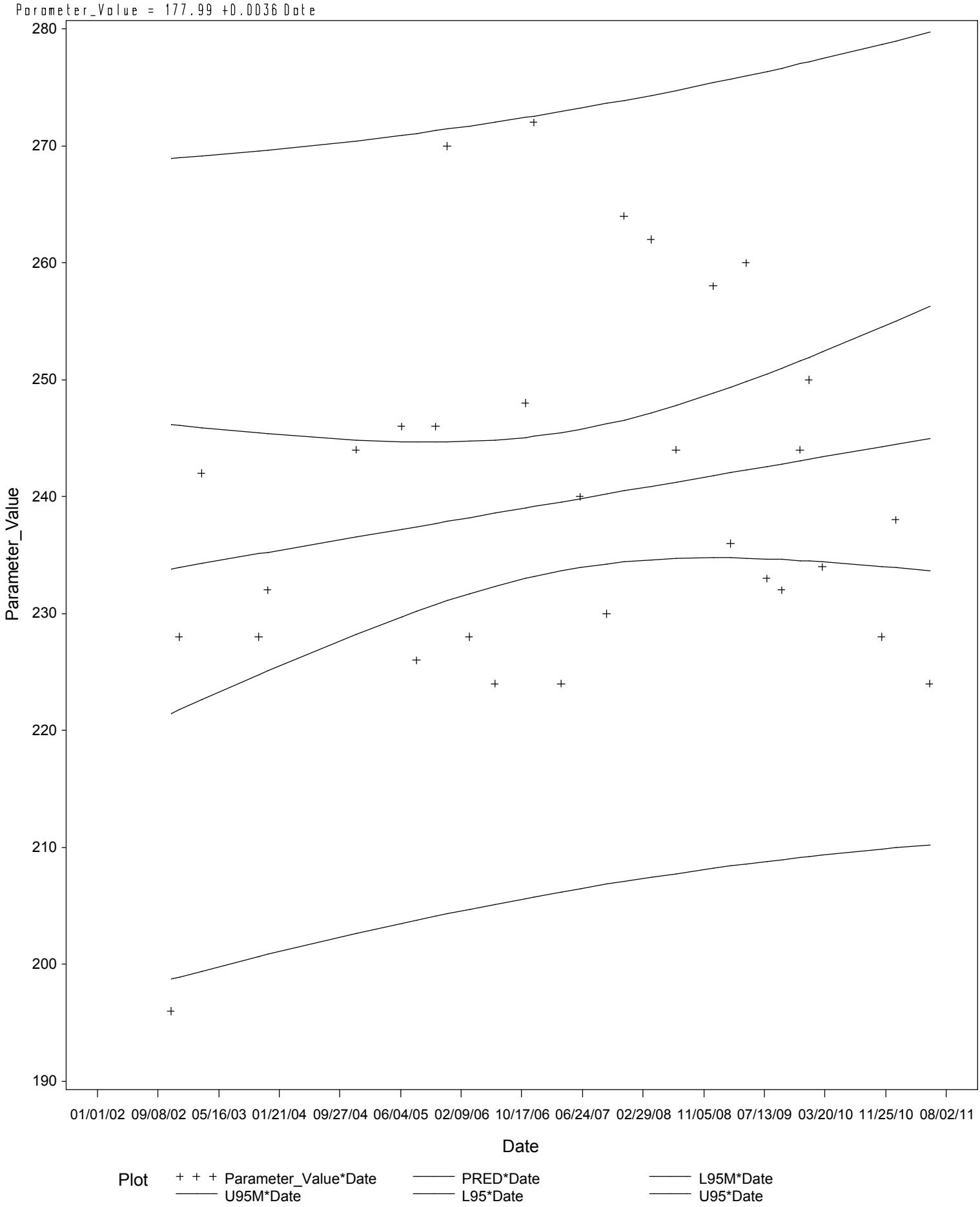
Devils River

Parameter=SULFATE (MG/L AS SO4) Station=13239

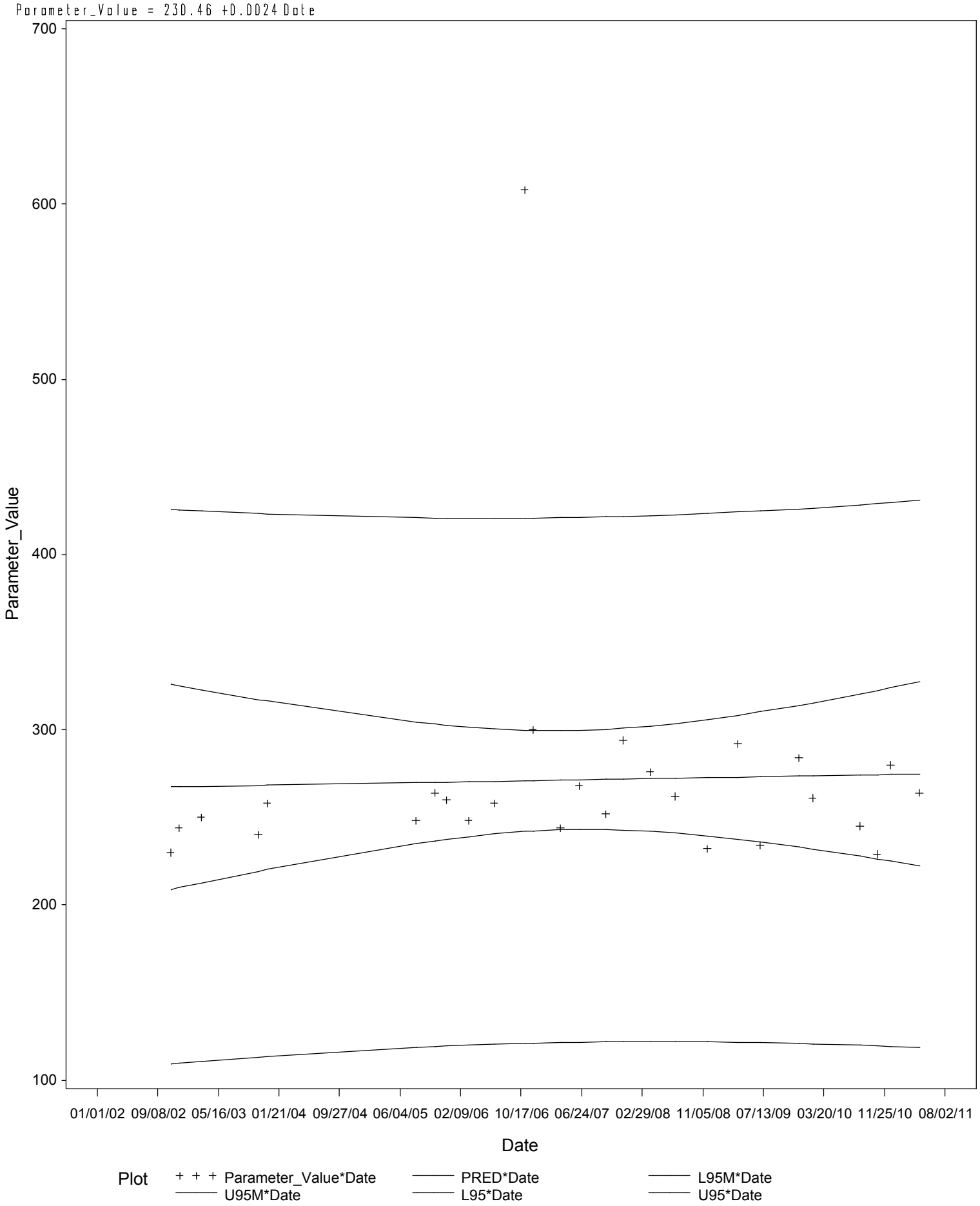


Devils River

Parameter=TDS (MG/L) Station=13237

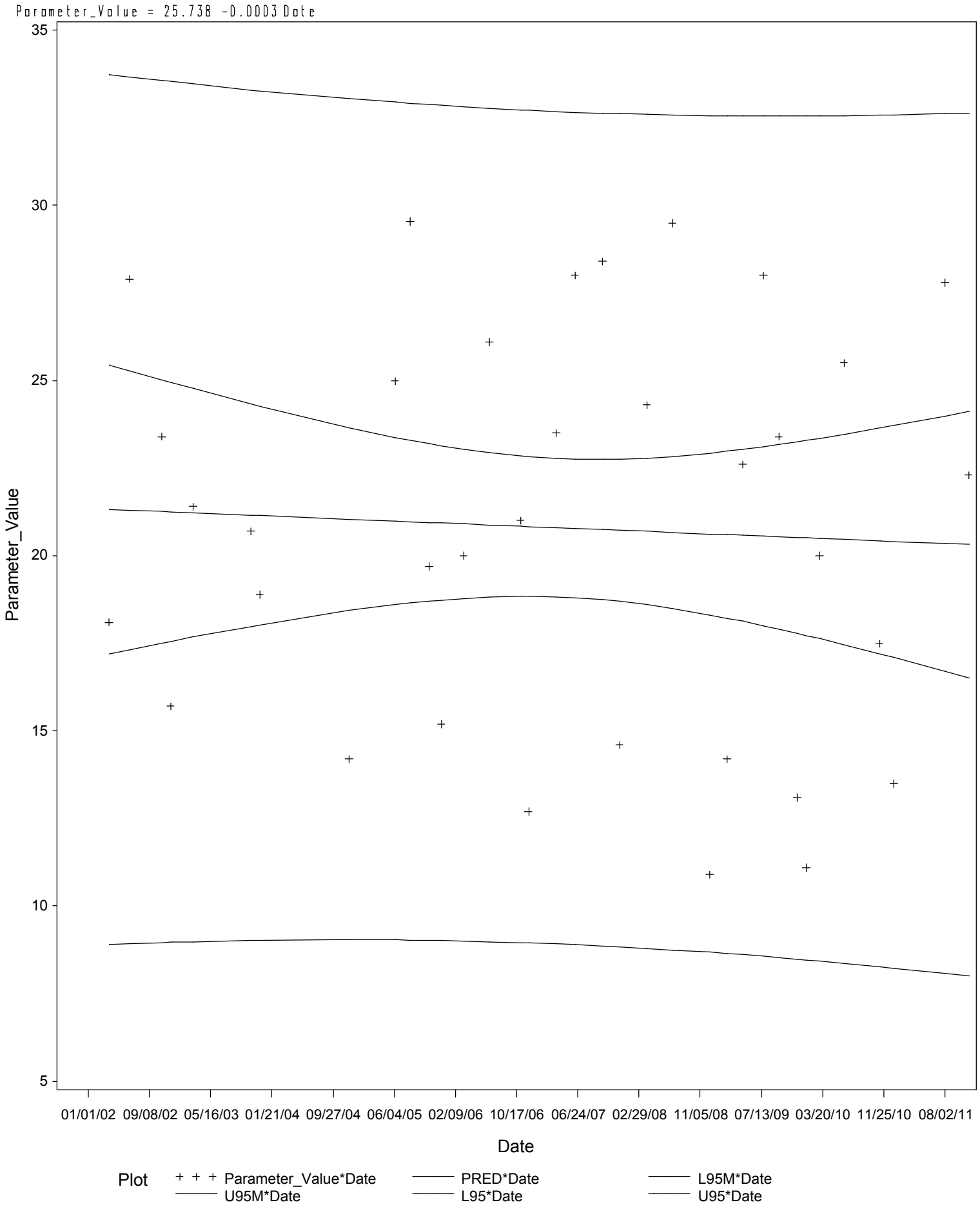


Devils River
Parameter=TDS (MG/L) Station=13239



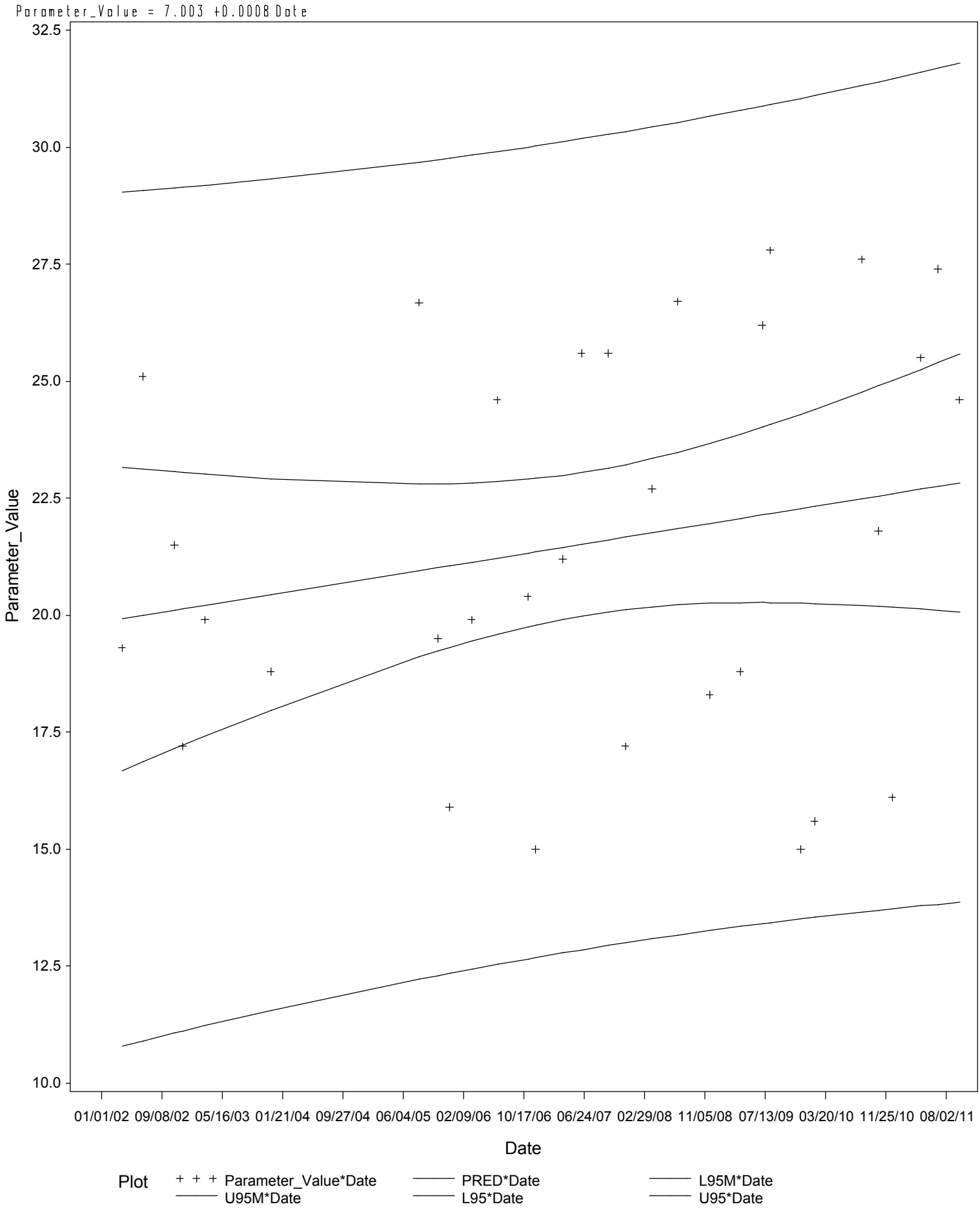
Devils River

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13237

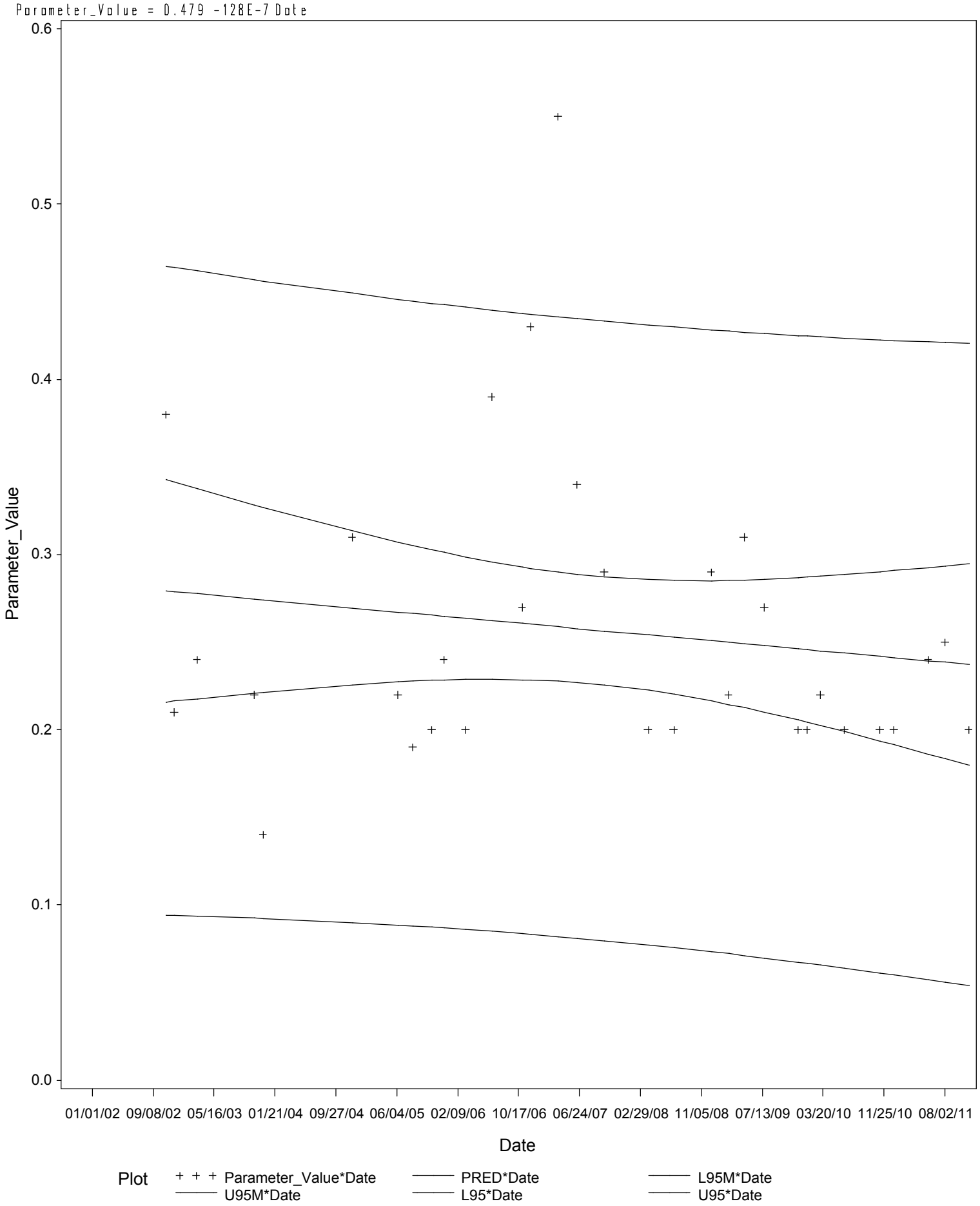


Devils River

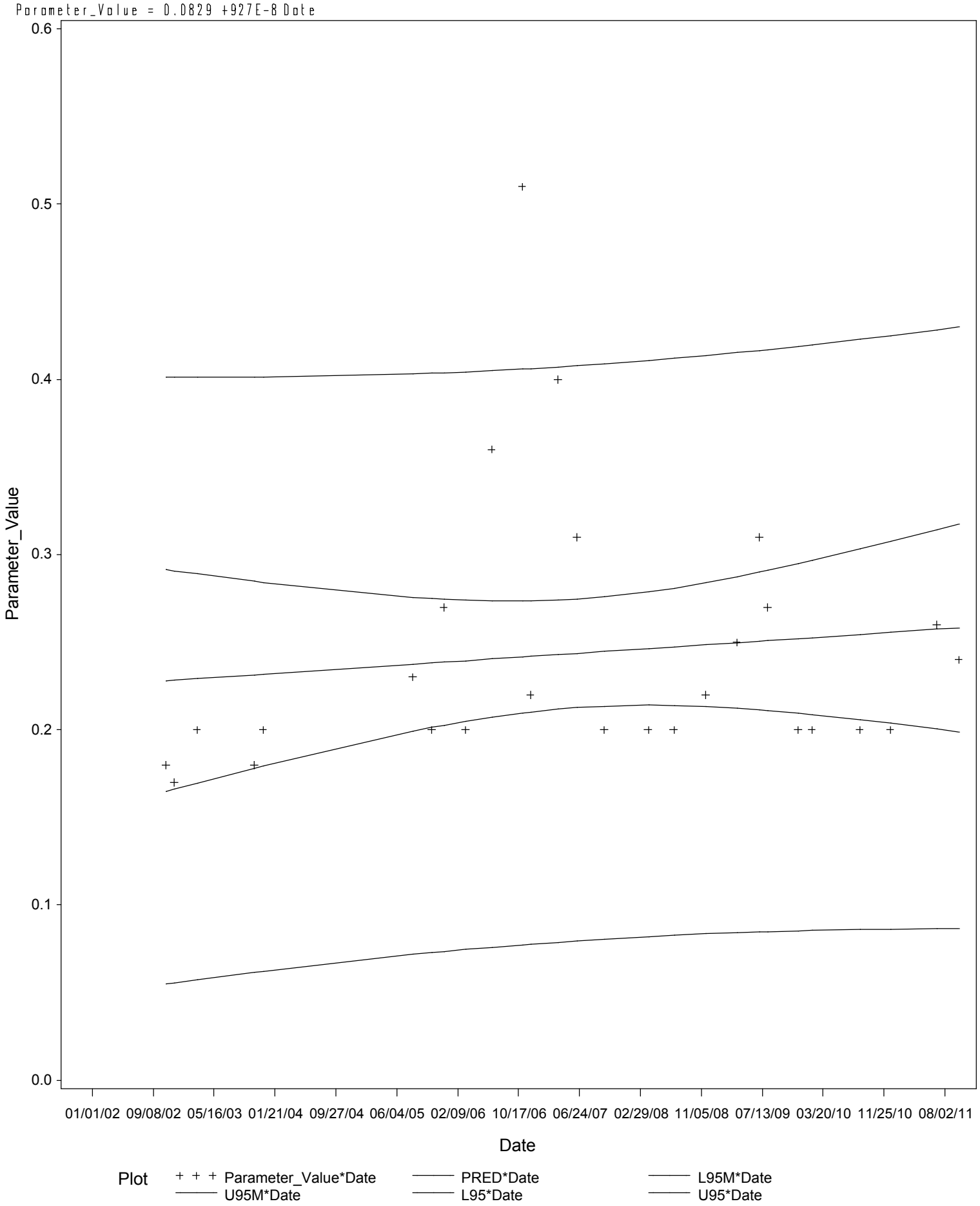
Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13239



Devils River
Parameter=TKN (MG/L AS N) Station=13237

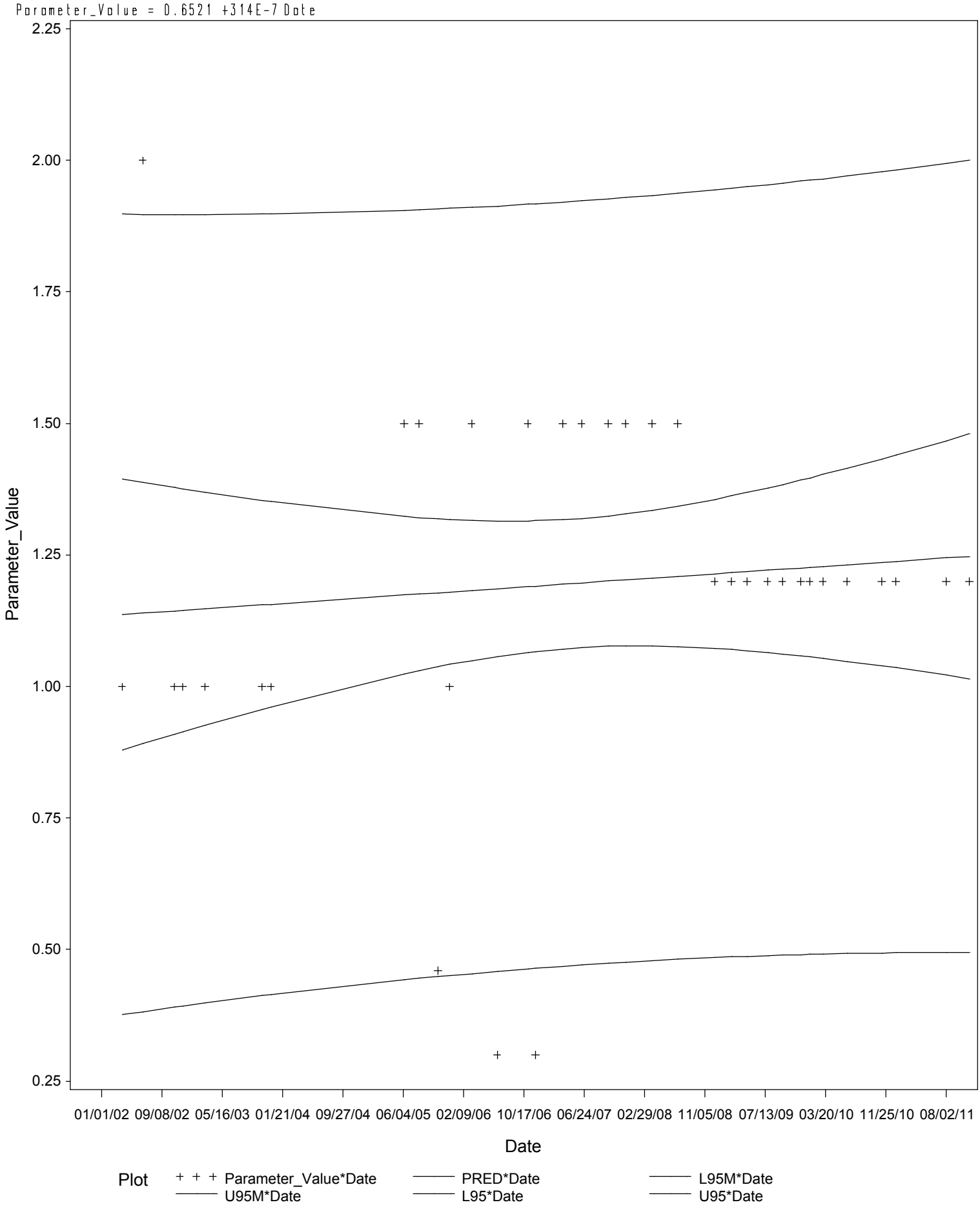


Devils River
Parameter=TKN (MG/L AS N) Station=13239



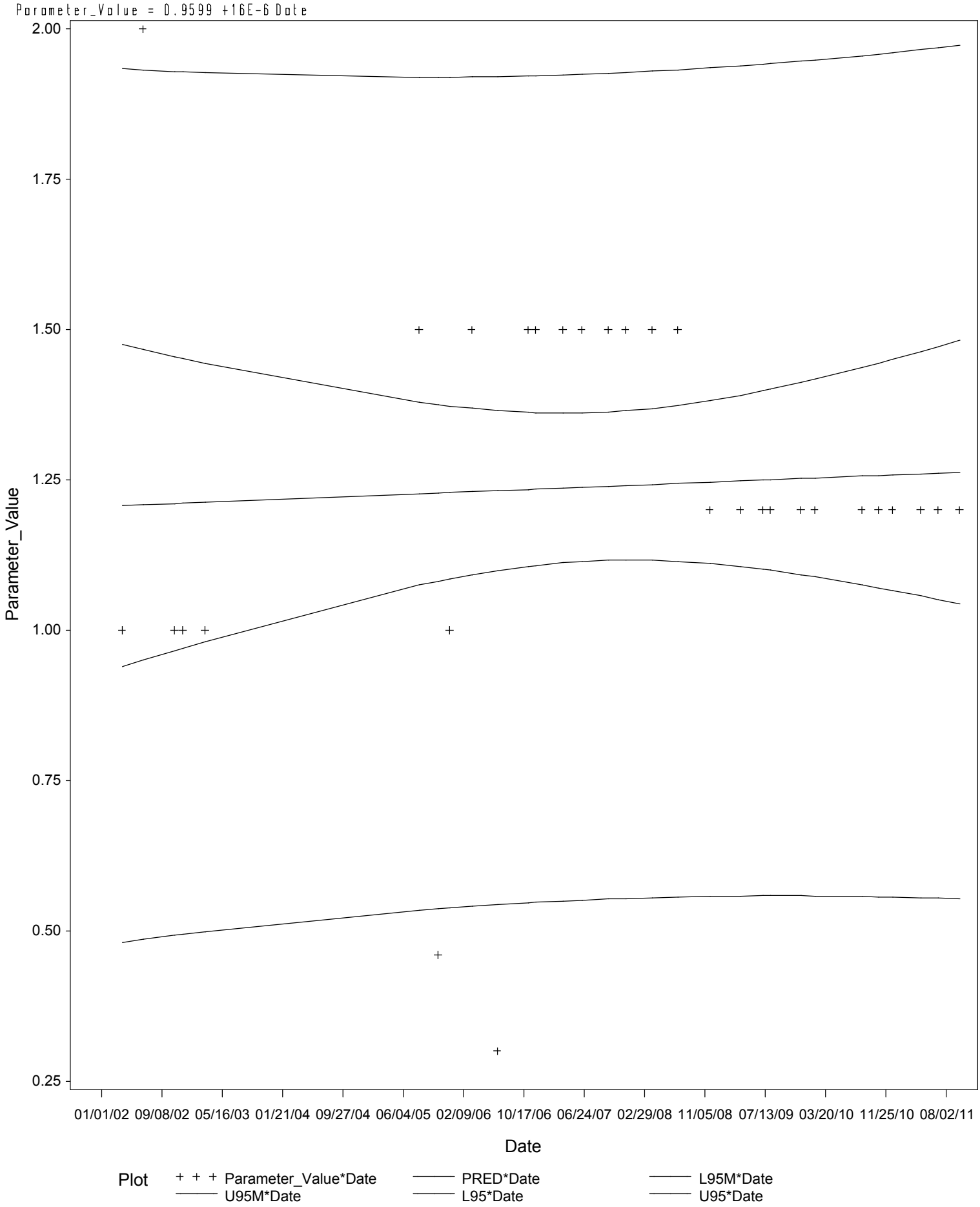
Devils River

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13237

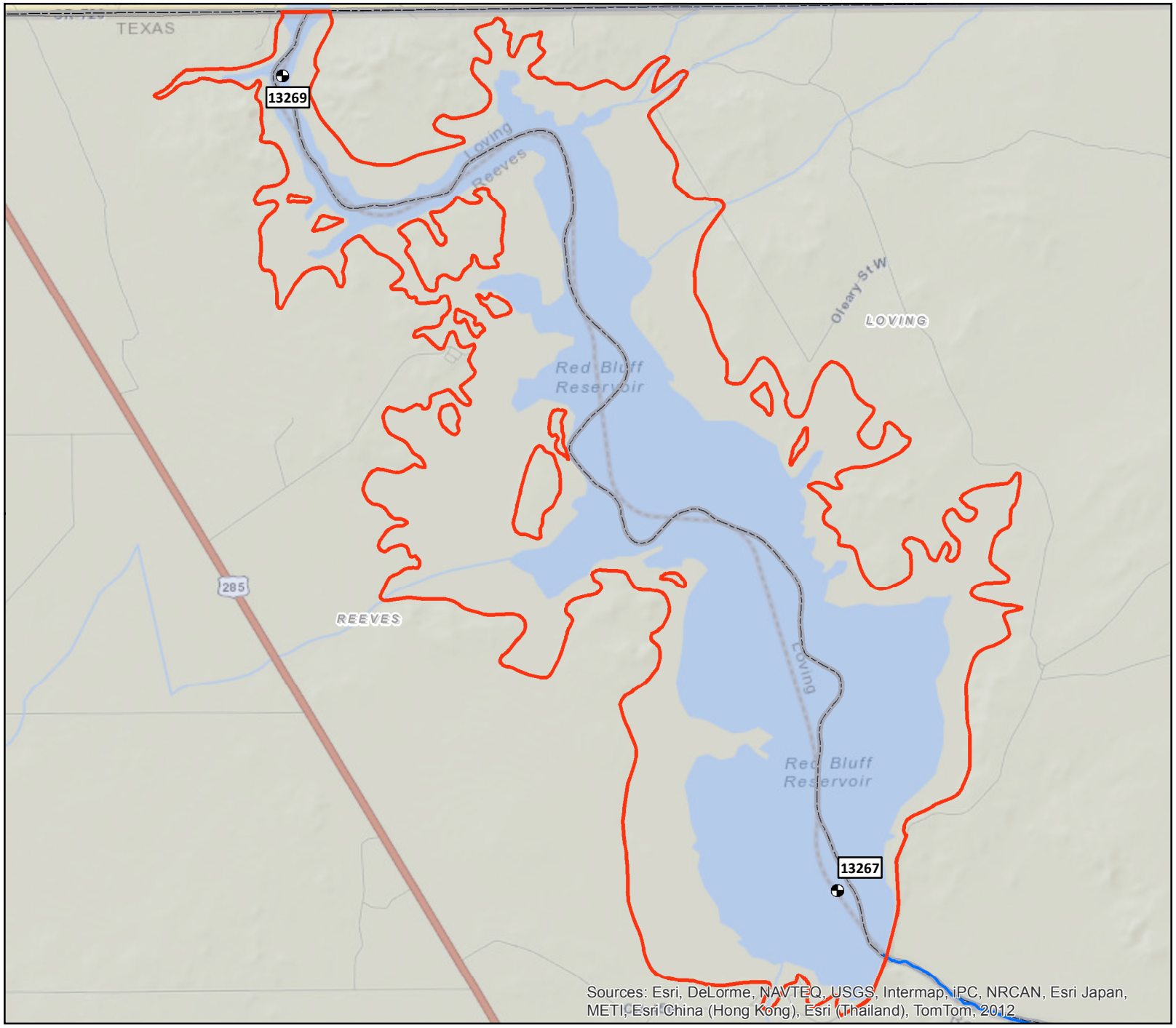


Devils River

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13239



7. Pecos River Segment 2312



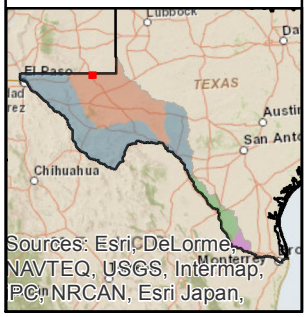
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Pecos River
Segment ID: 2312
Name: Red Bluff Reservoir

LEGEND

- Monitoring Station (2)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



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164 CREEKSIDE PARK, SUITE 100
SPRING BRANCH, TX 78070-6230
210.253.6528

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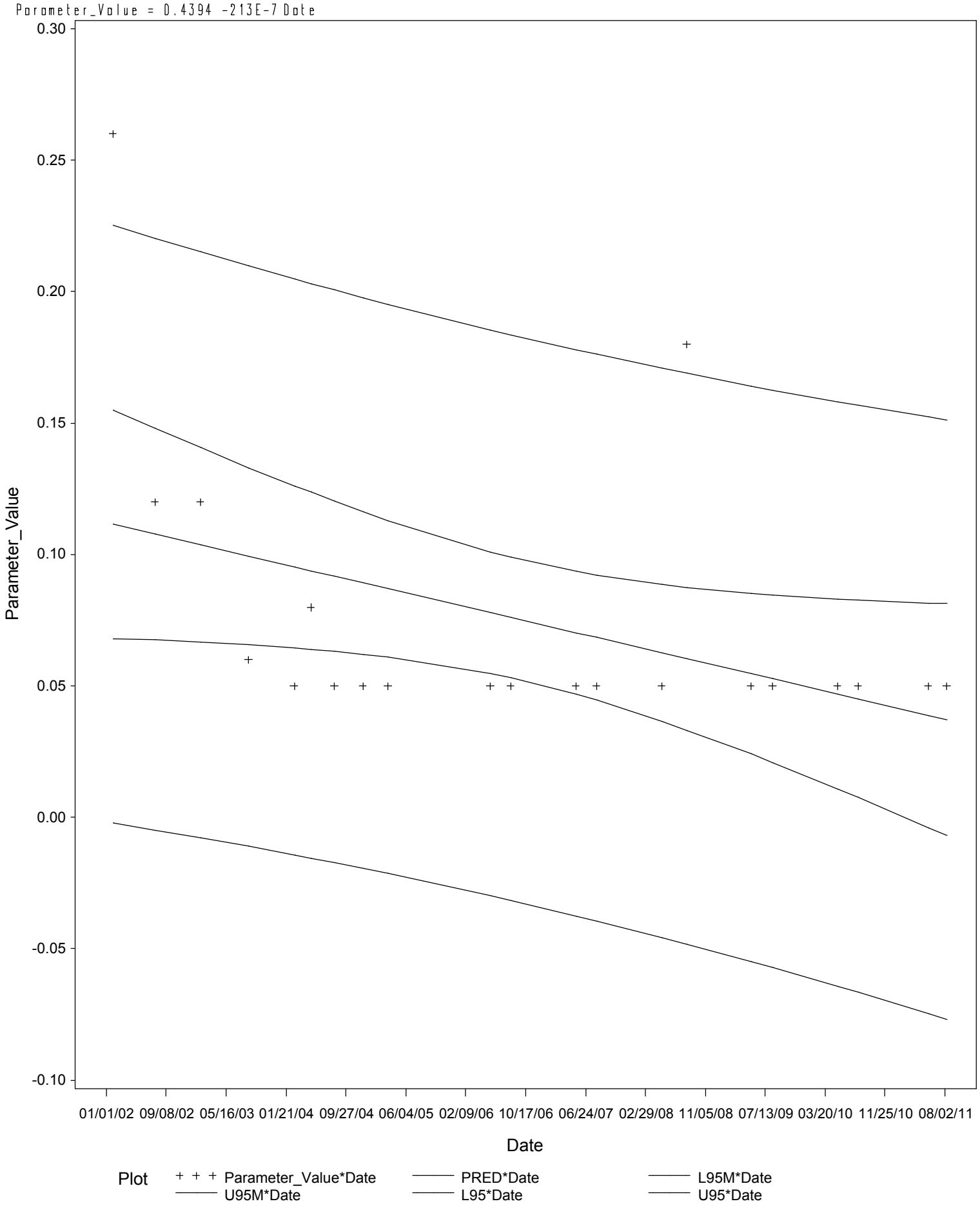
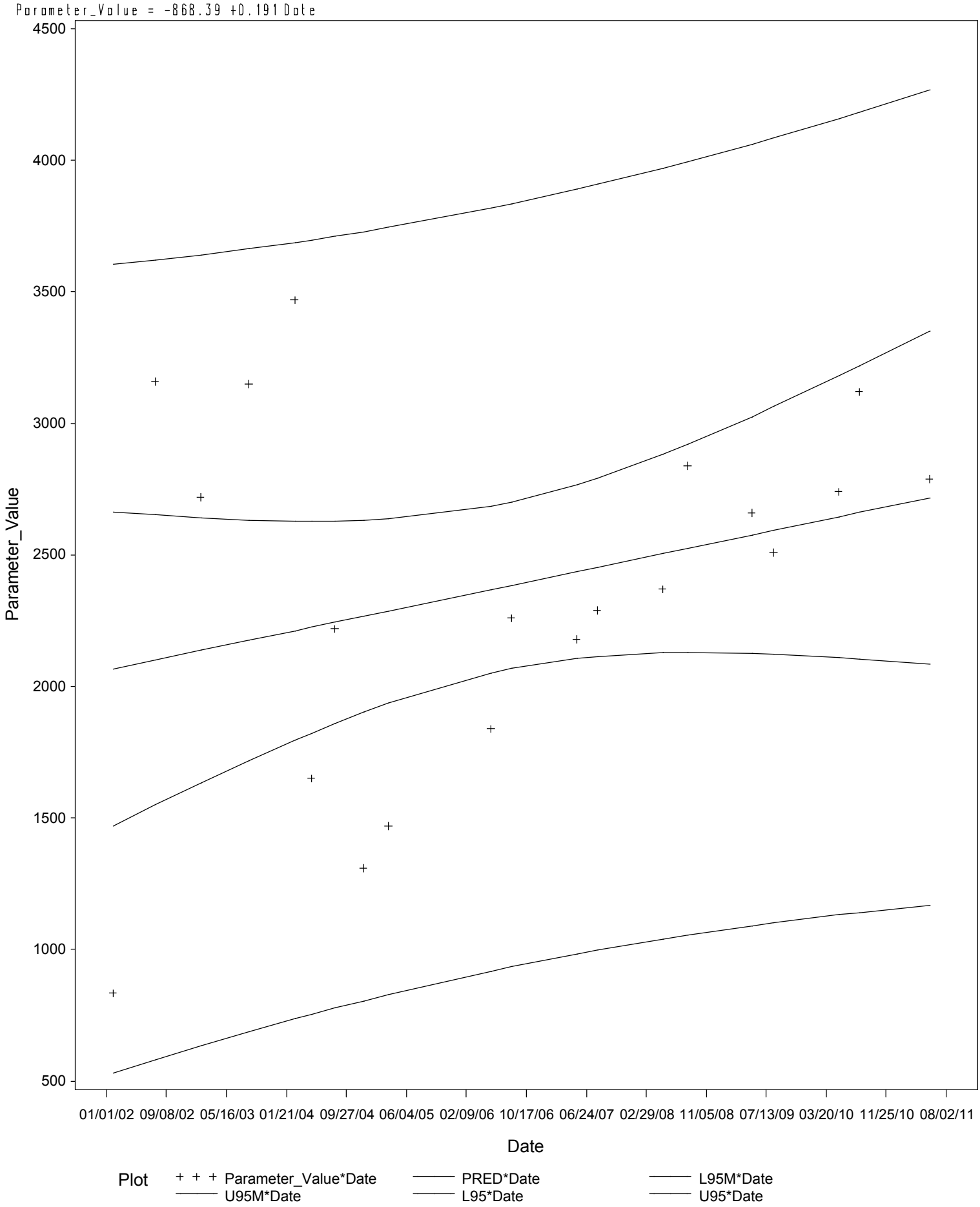
Red Bluff Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13267



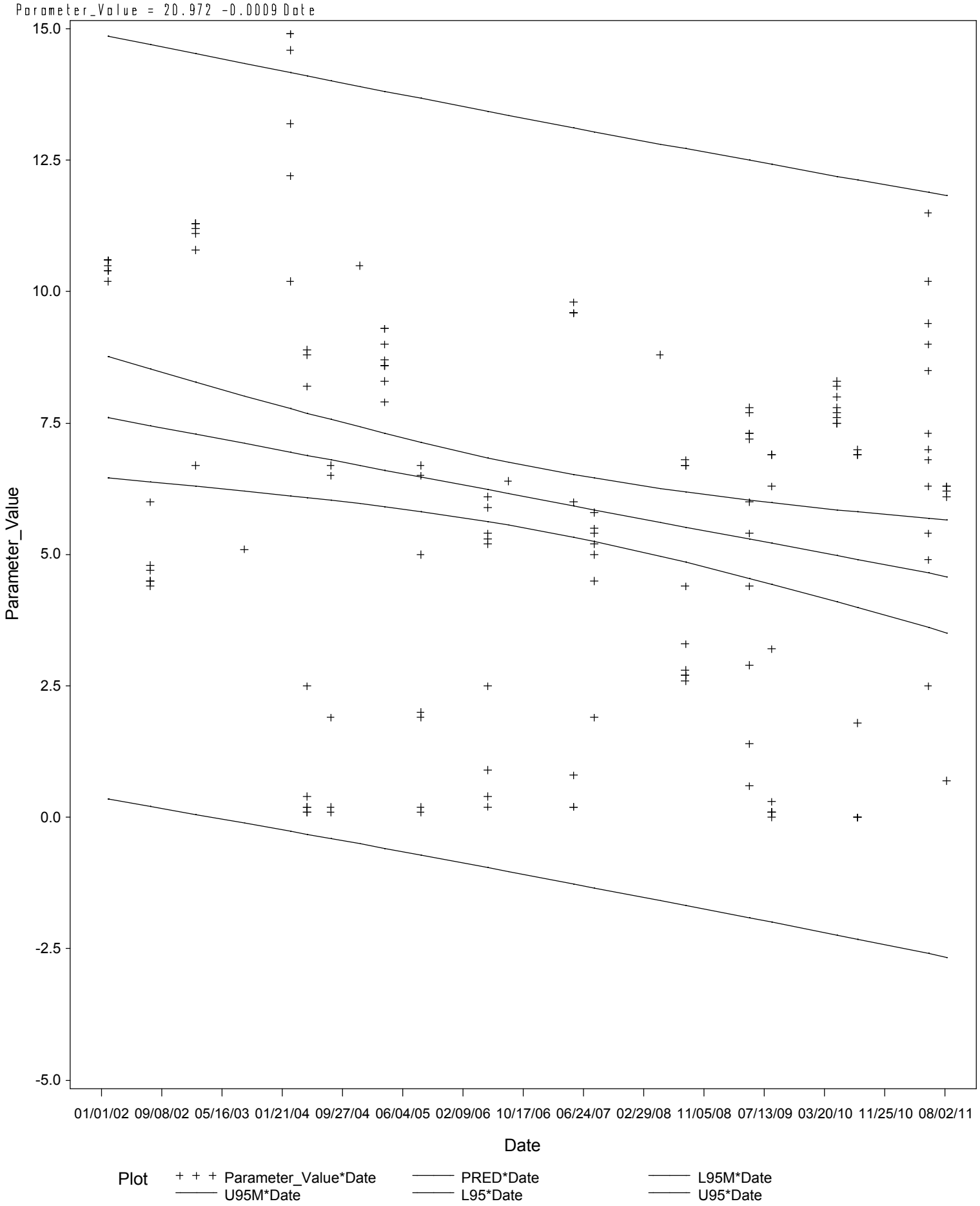
Red Bluff Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13267



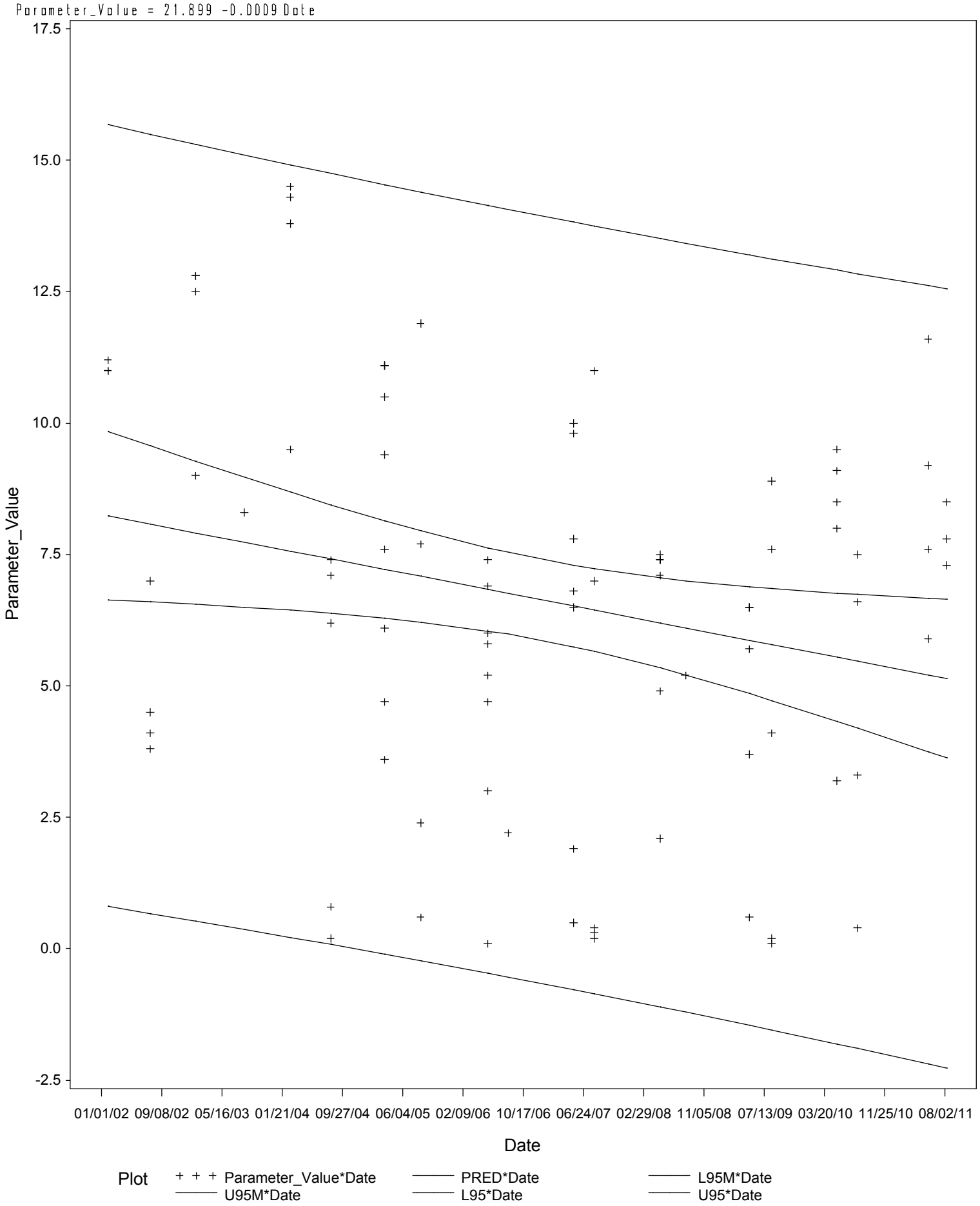
Red Bluff Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13267



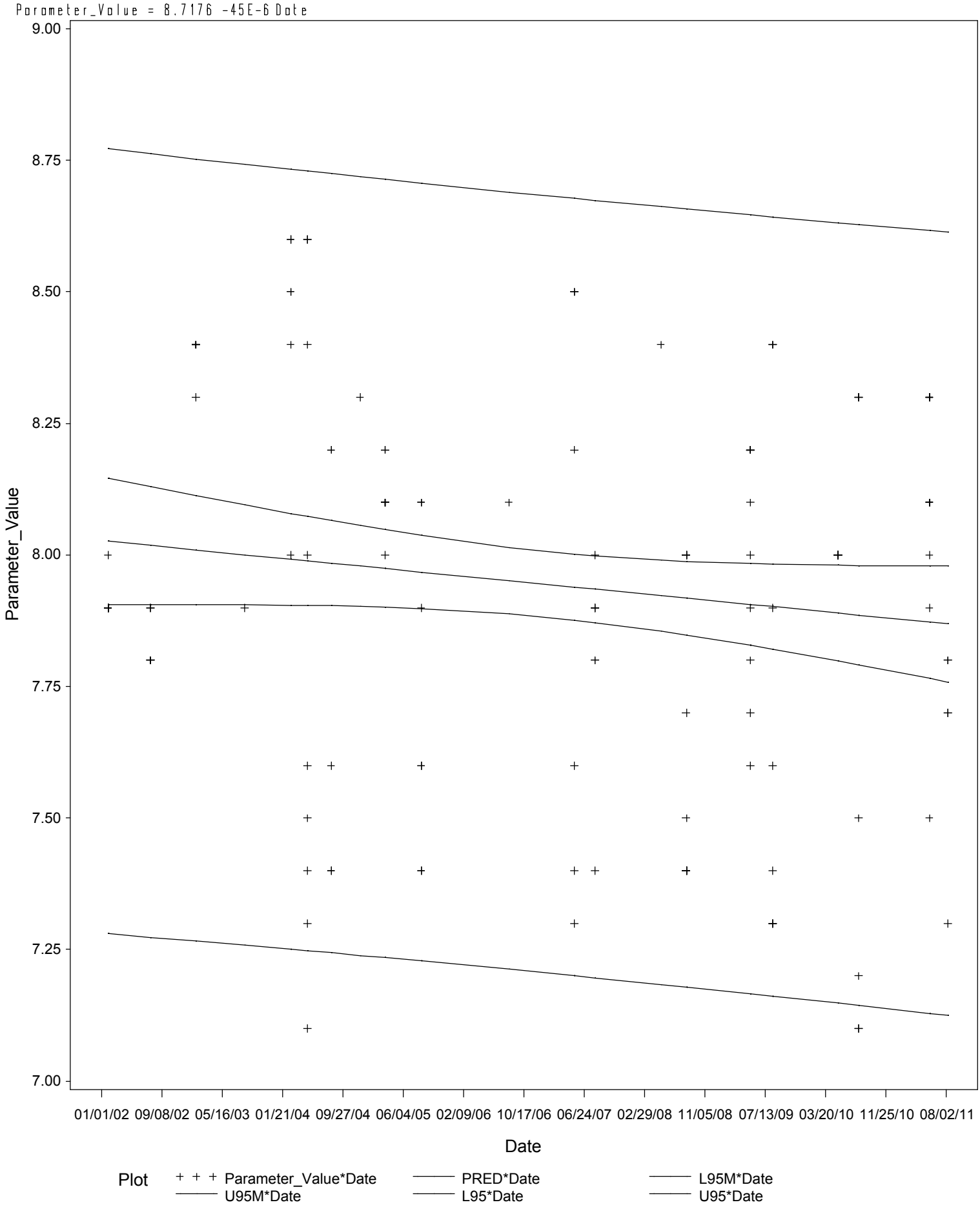
Red Bluff Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13269



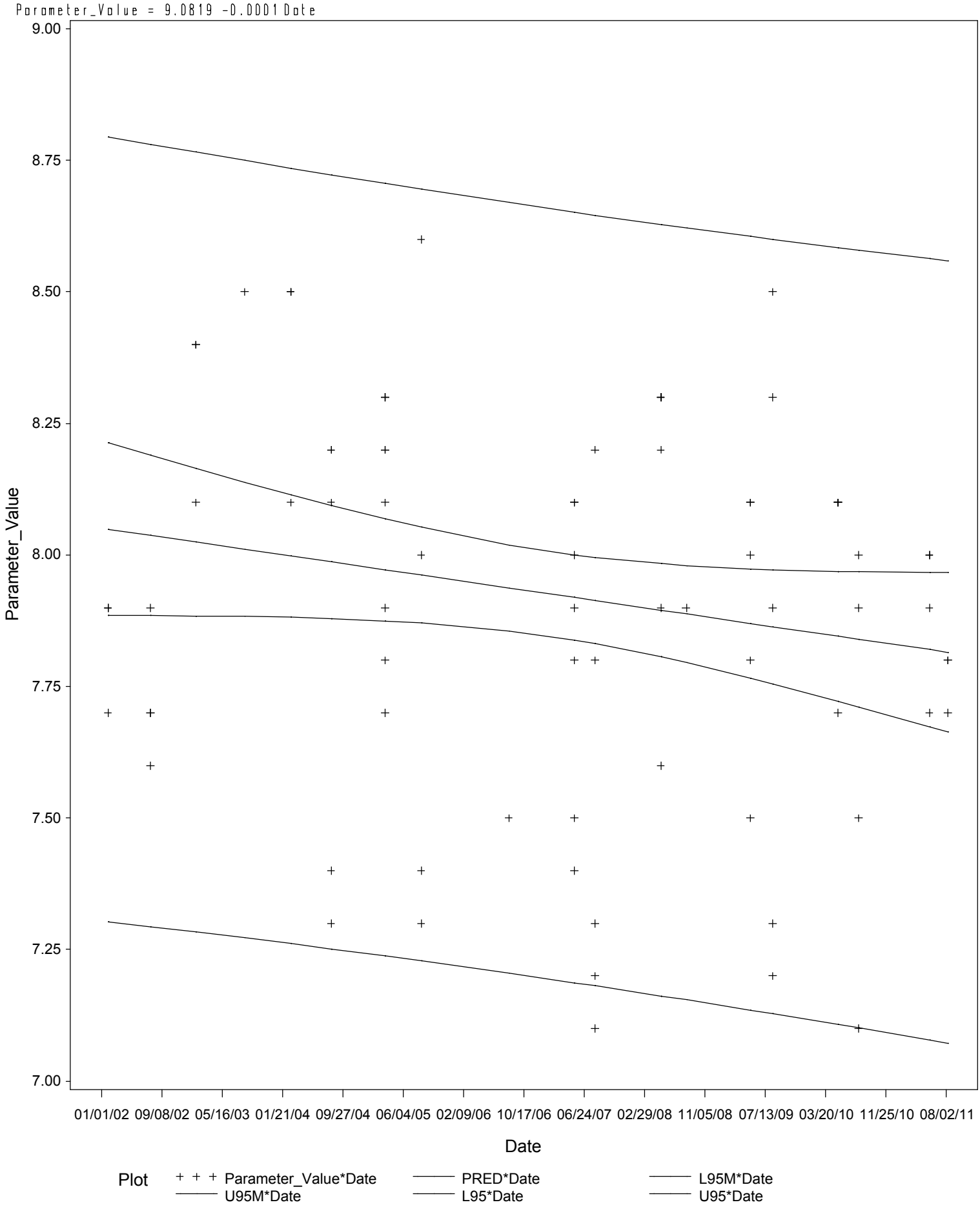
Red Bluff Reservoir

Parameter=PH (STANDARD UNITS) Station=13267



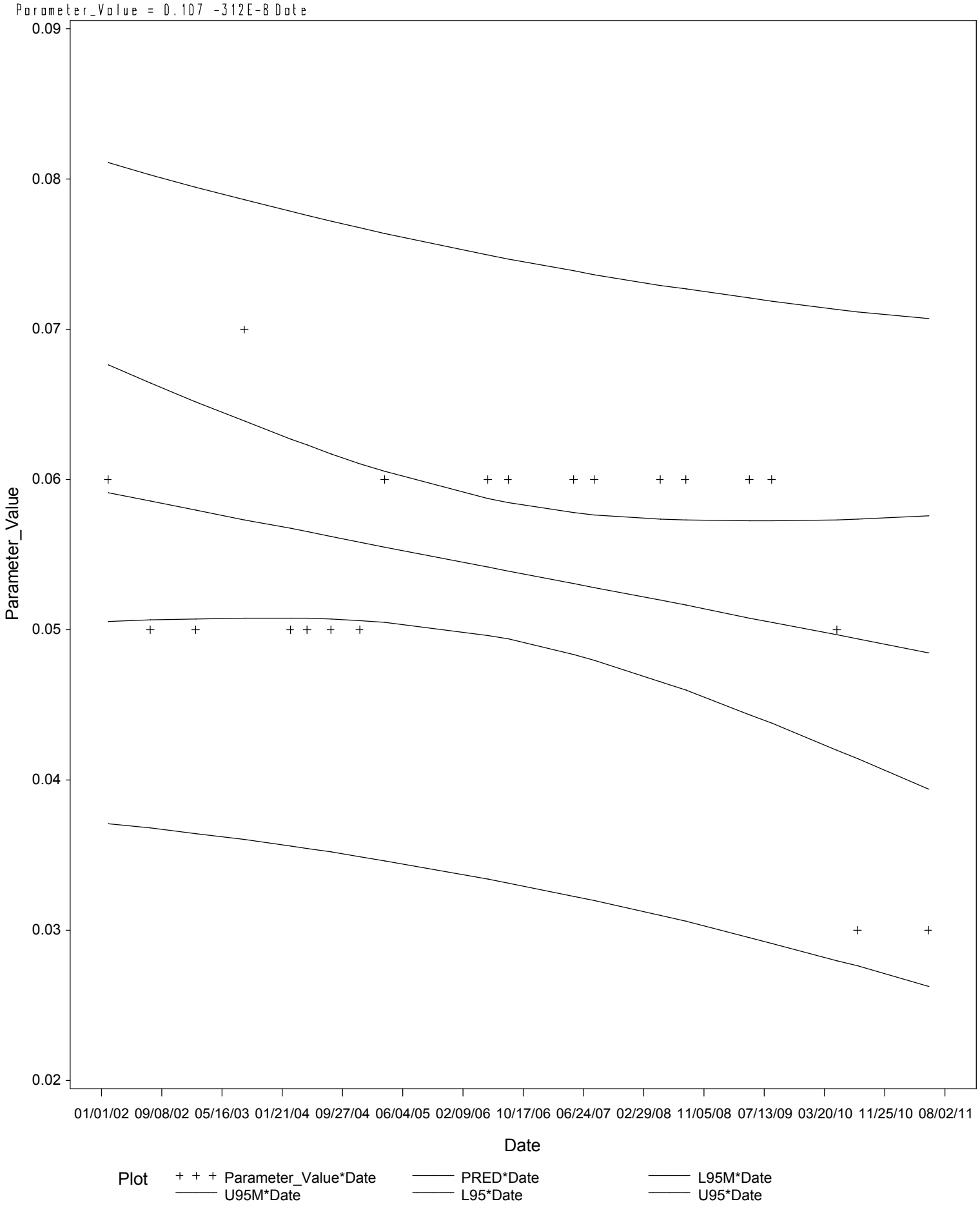
Red Bluff Reservoir

Parameter=PH (STANDARD UNITS) Station=13269



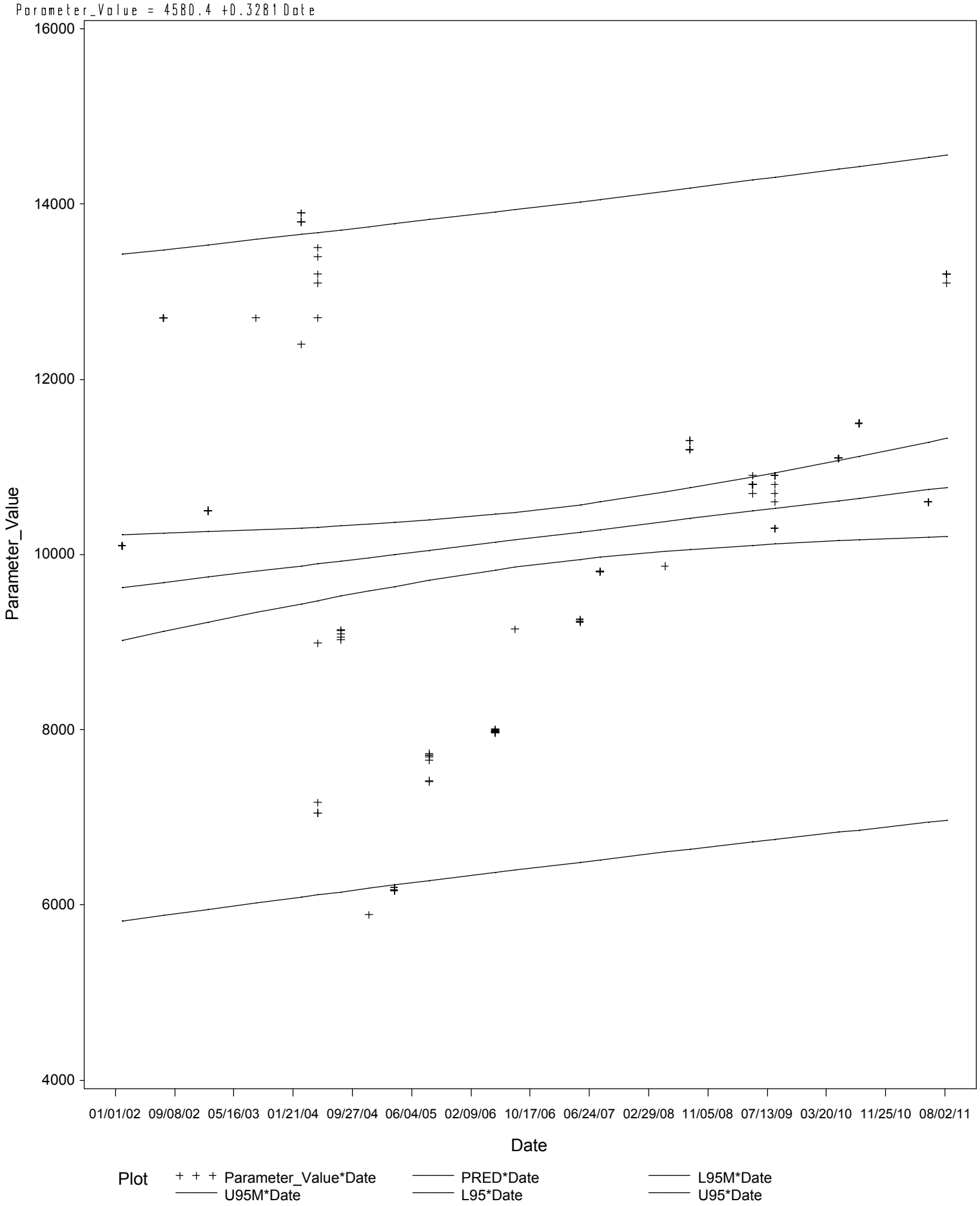
Red Bluff Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13267



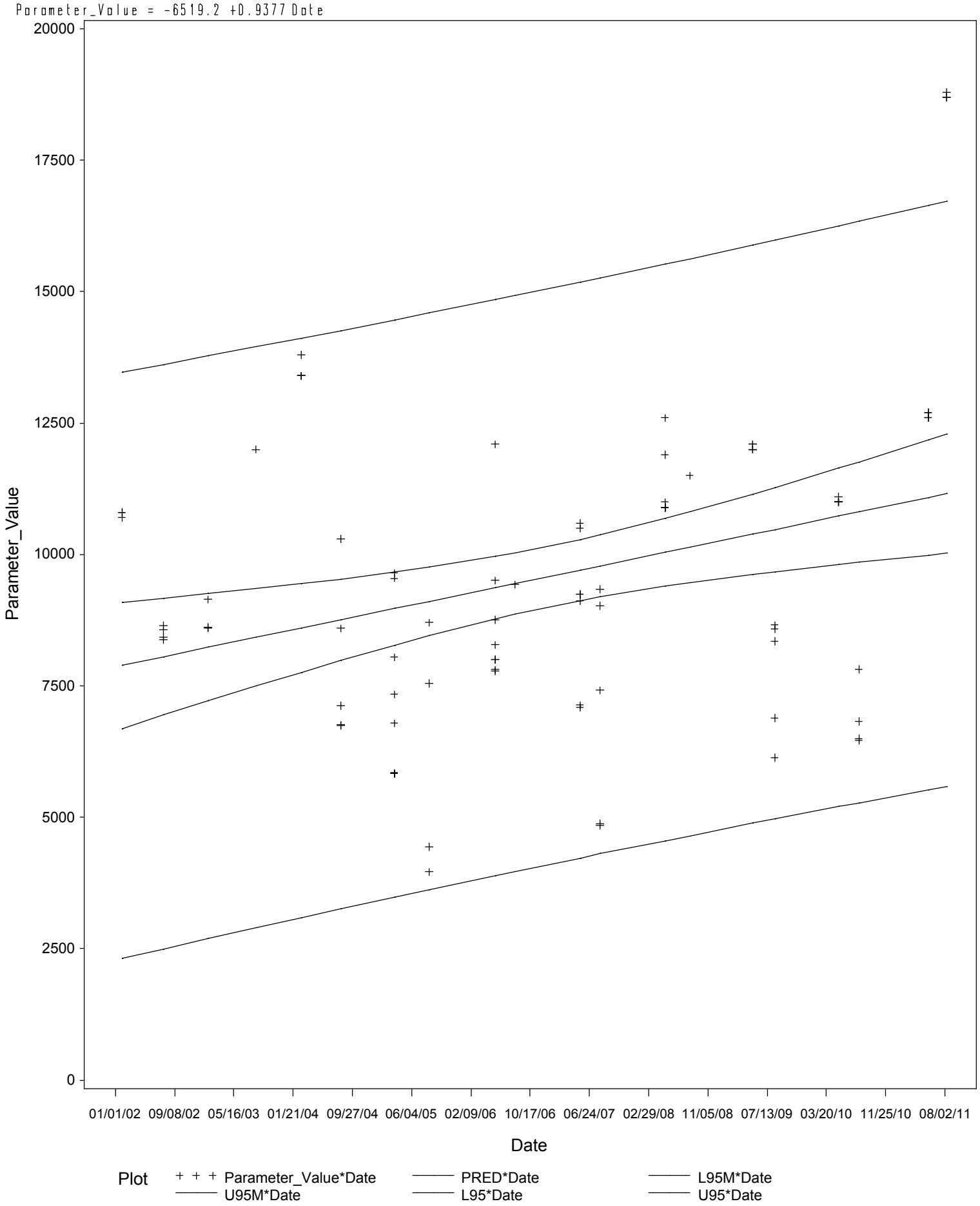
Red Bluff Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13267



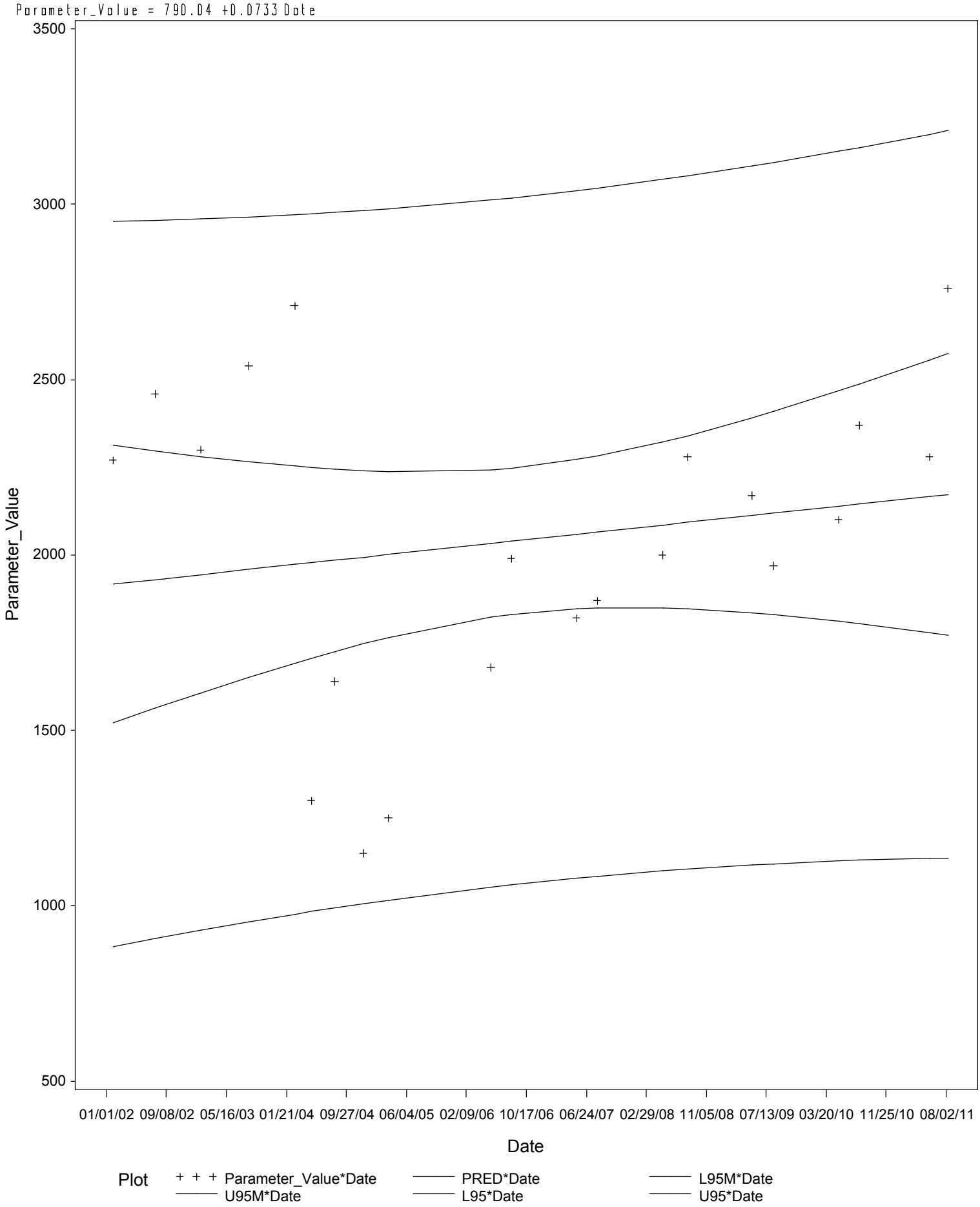
Red Bluff Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13269

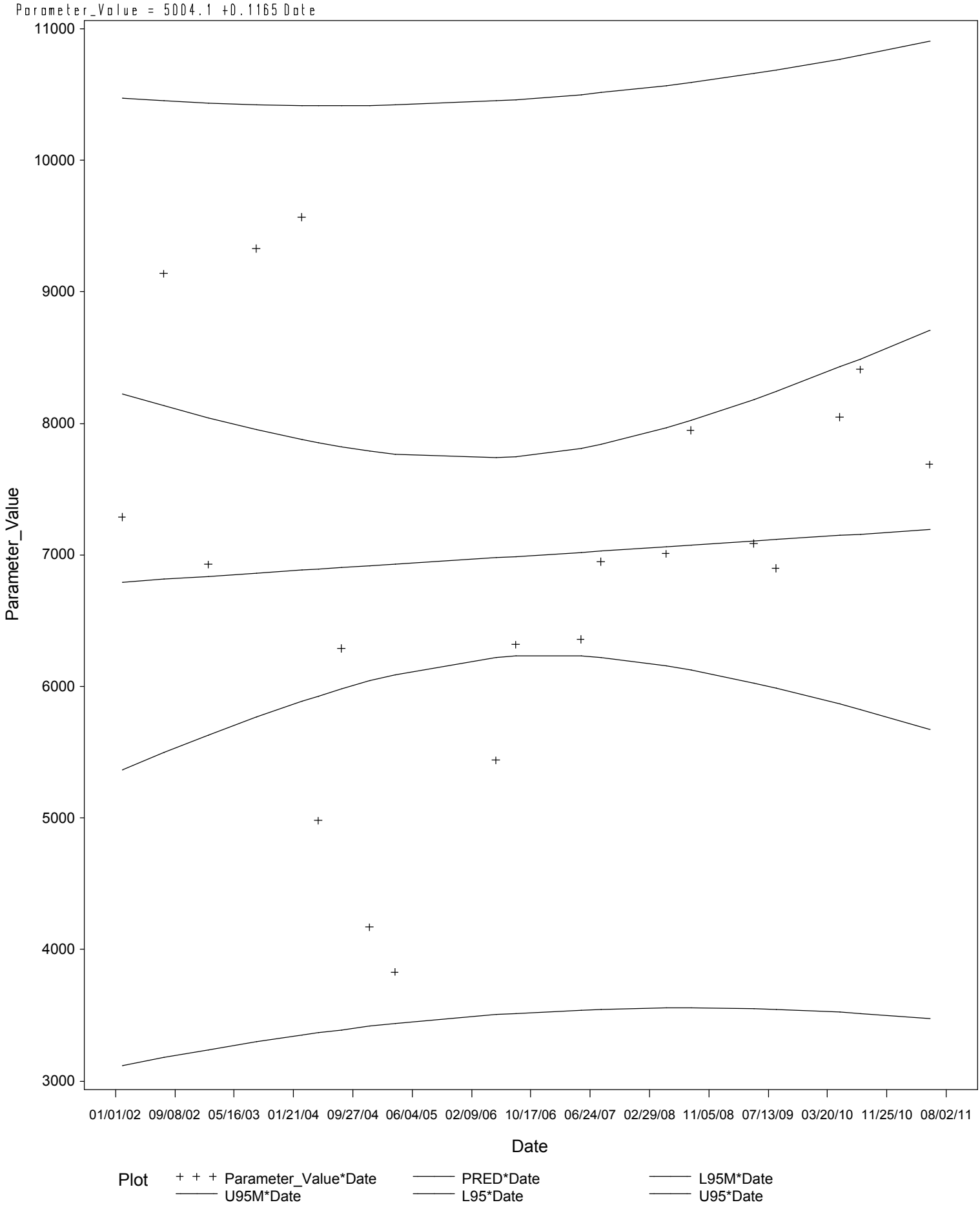


Red Bluff Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13267

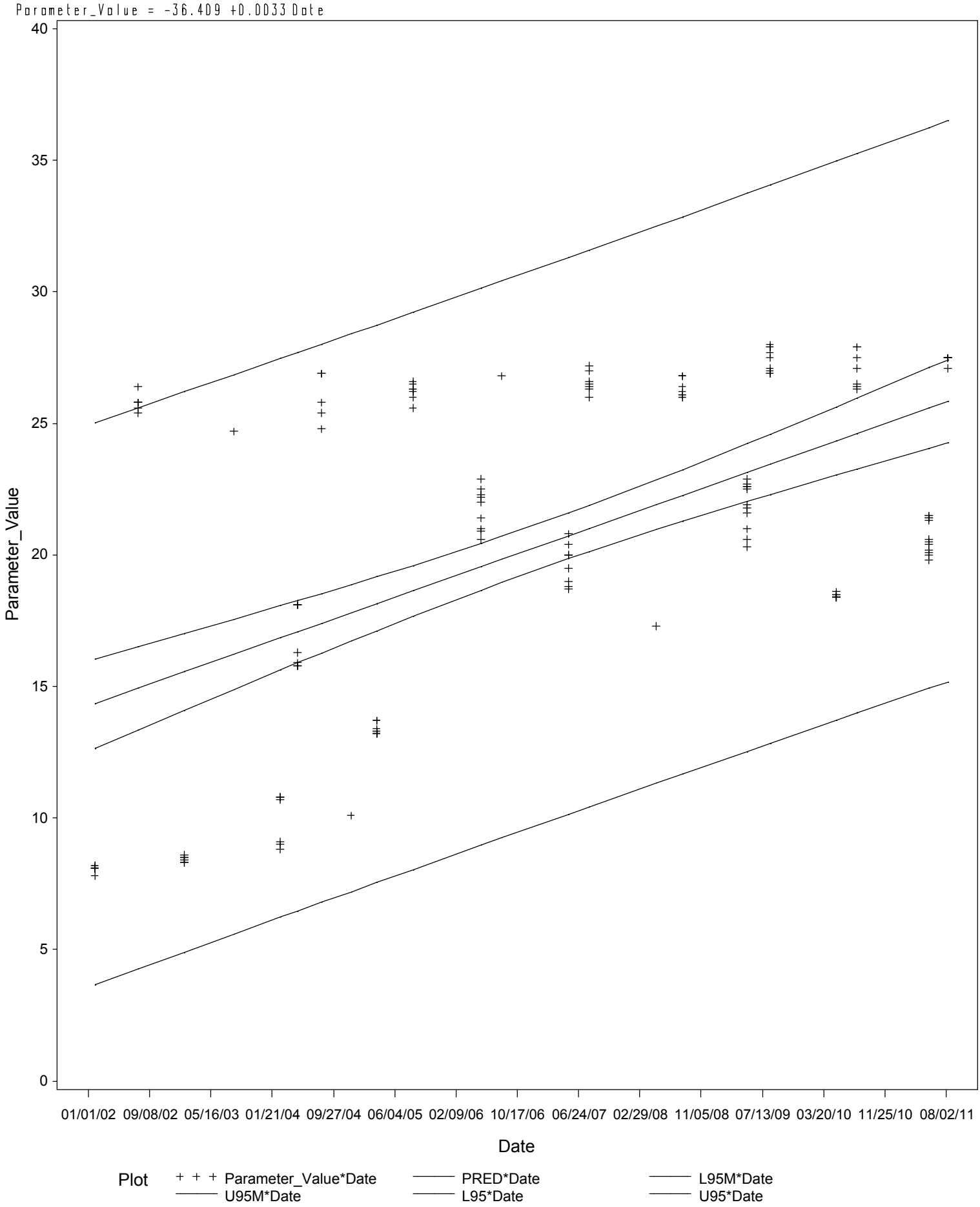


Red Bluff Reservoir
Parameter=TDS (MG/L) Station=13267



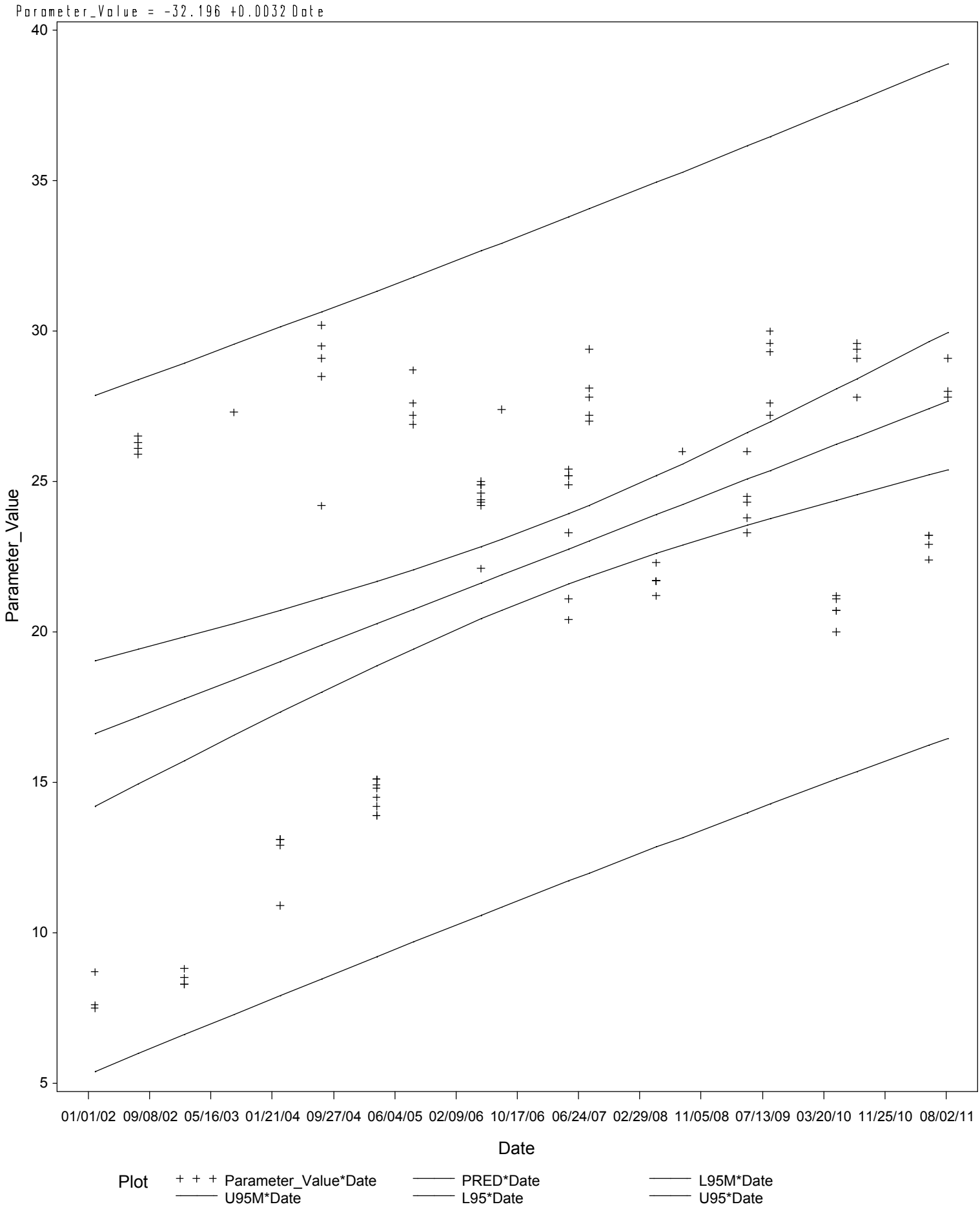
Red Bluff Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13267

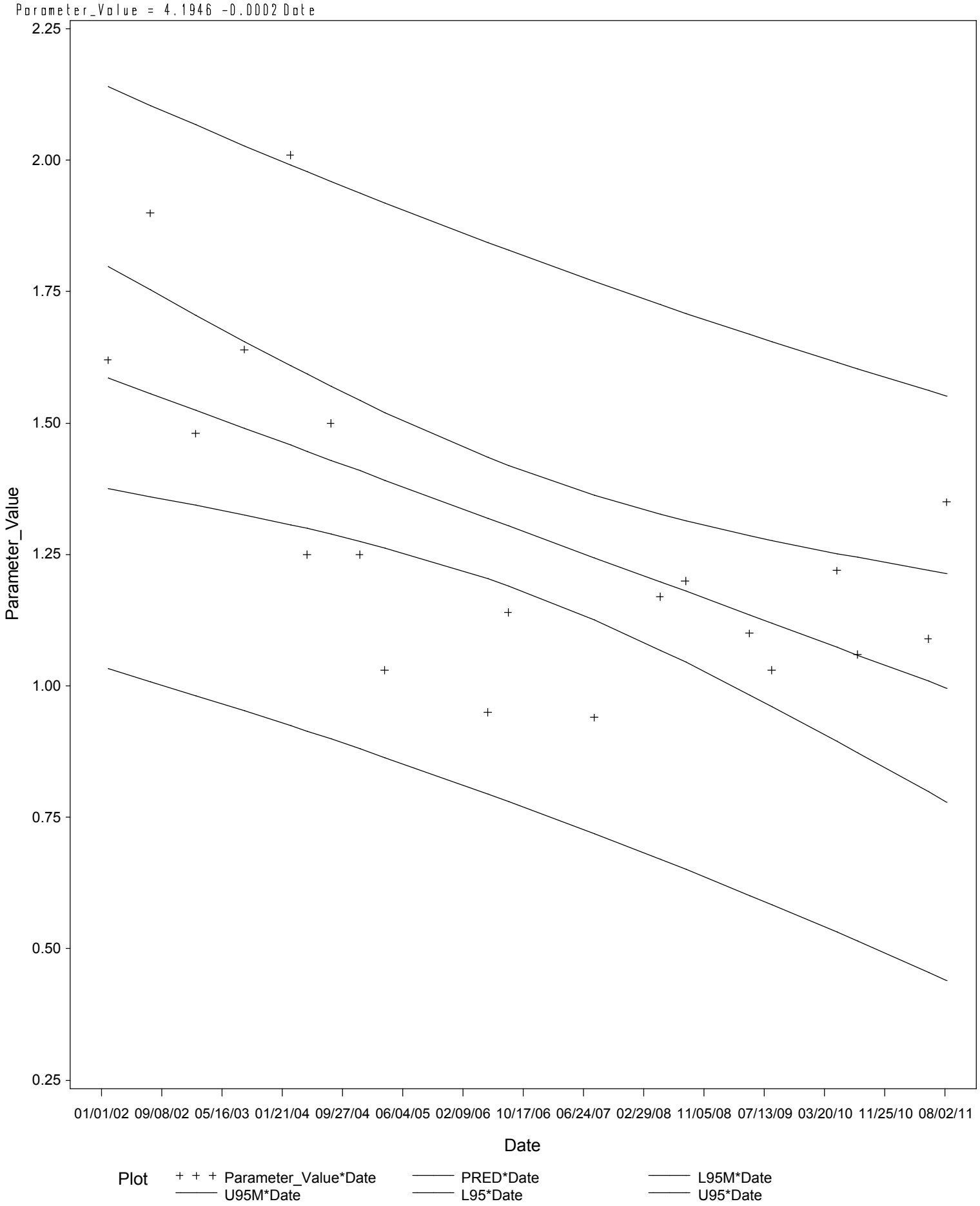


Red Bluff Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13269

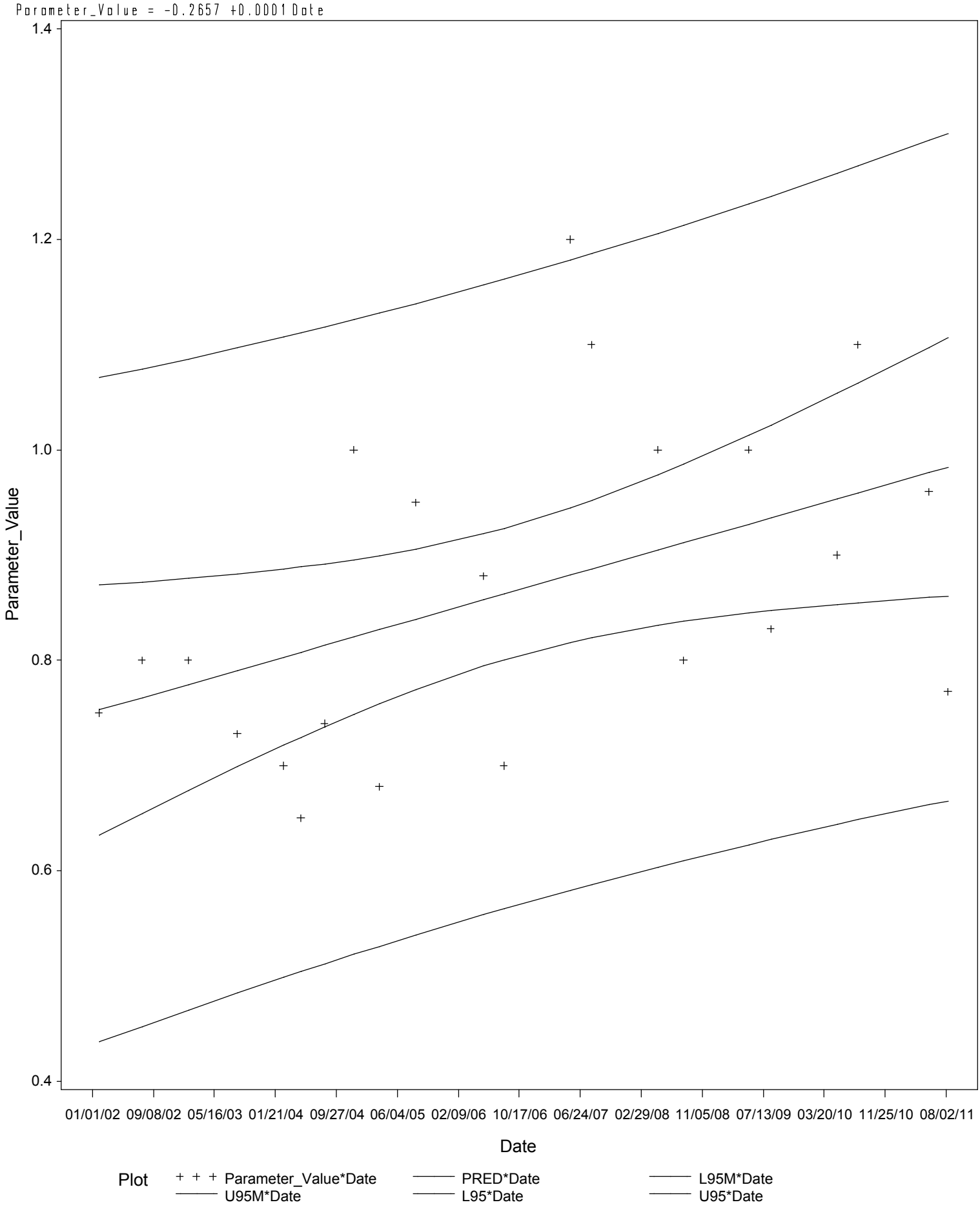


Red Bluff Reservoir
Parameter=TKN (MG/L AS N) Station=13267



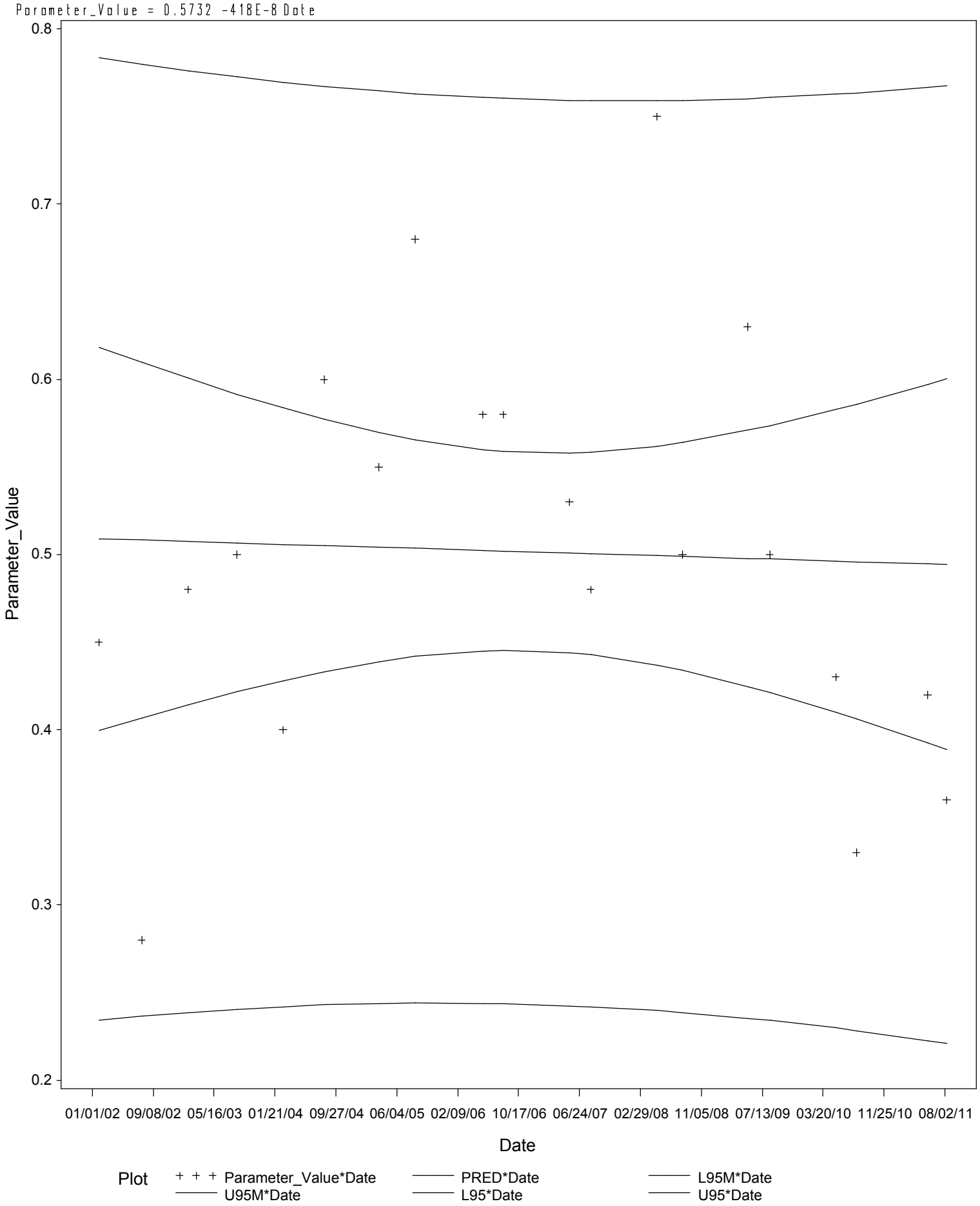
Red Bluff Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13267

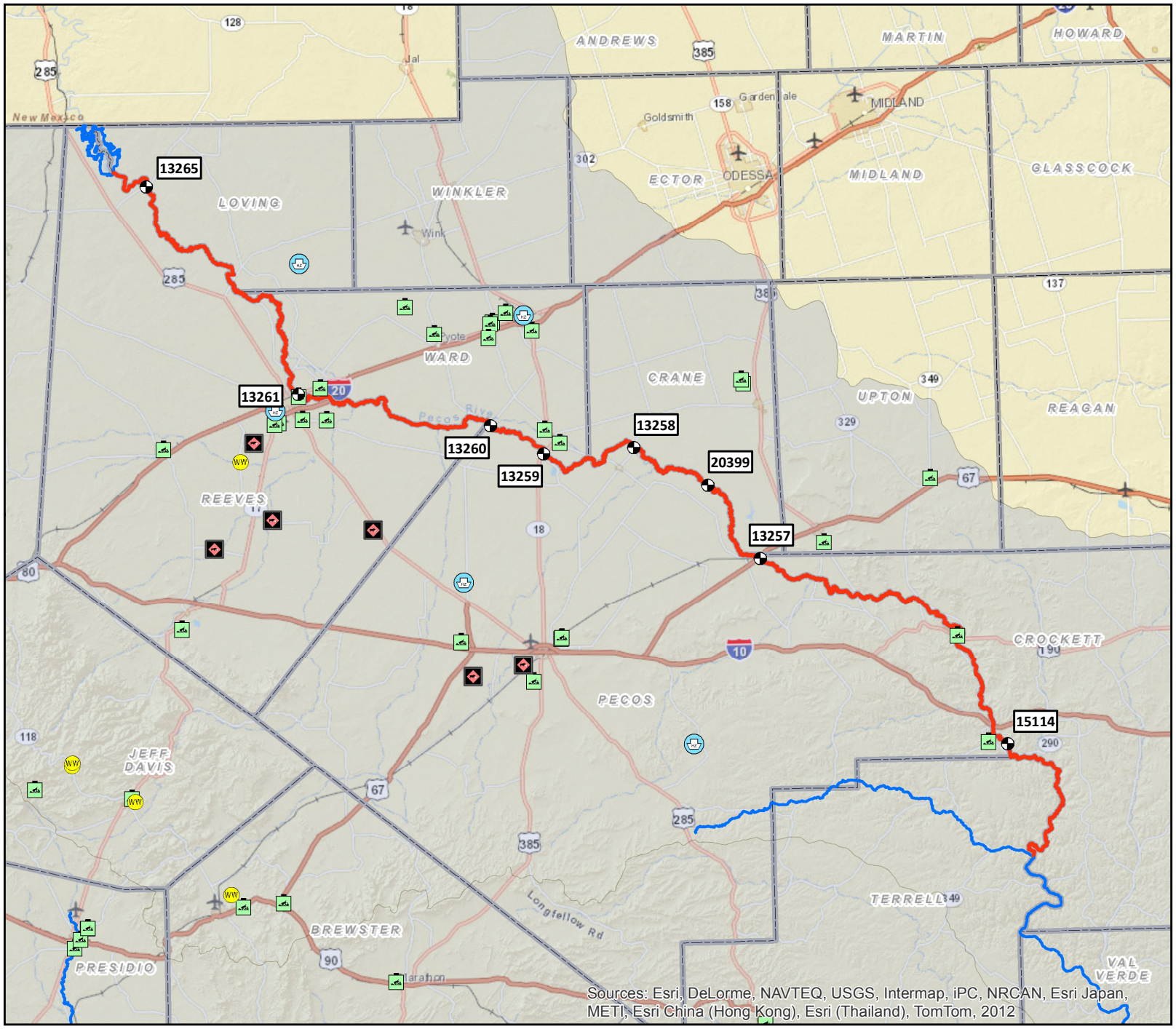


Red Bluff Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13269



8. Pecos River Segment 2311



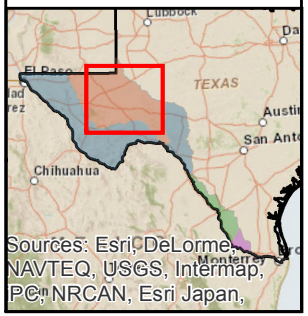
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Pecos River
Segment ID: 2311
Name: Upper Pecos River

LEGEND

- Monitoring Station (8)
- Wastewater Outfall (5)
- Hazardous Waste (5)
- Concentrated Animal Feedlot Operations (8)
- Landfill (38)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



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184 CREEKSIDE PARK, SUITE 100
SPRING BRANCH, TX 78070-6230
210.253.6528

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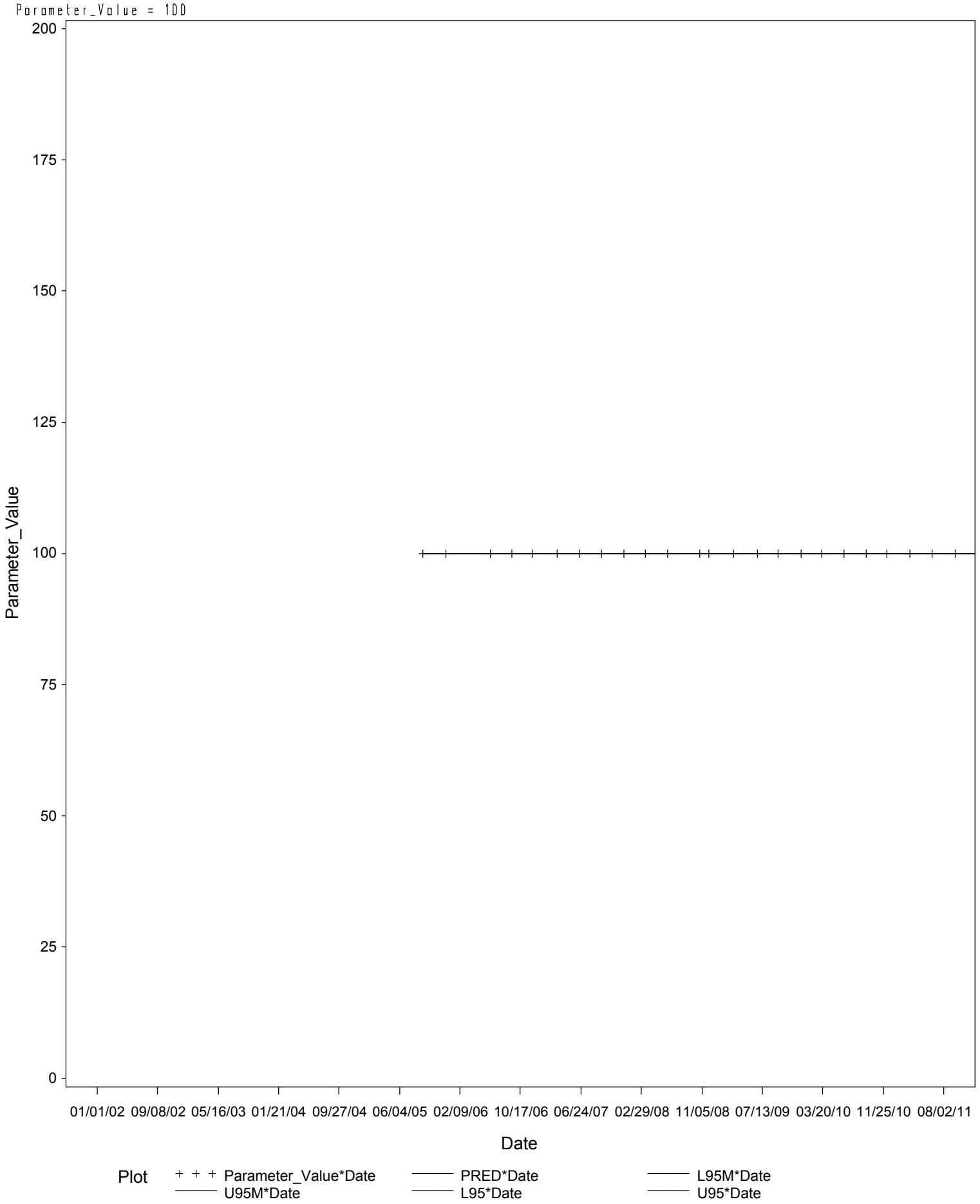
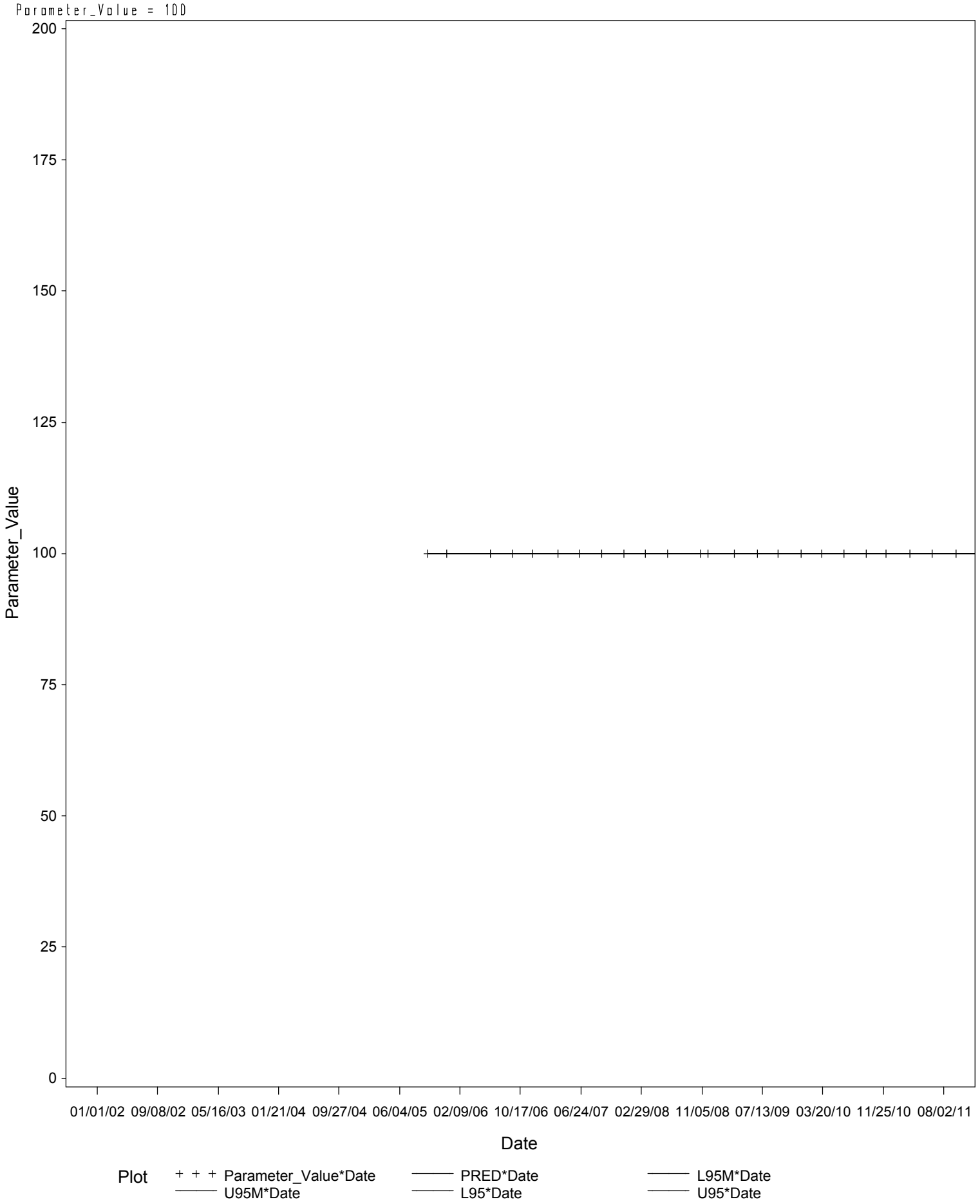
Upper Pecos River

Parameter=ALUMINUM, DISSOLVED (UG/L AS AL) Station=13257



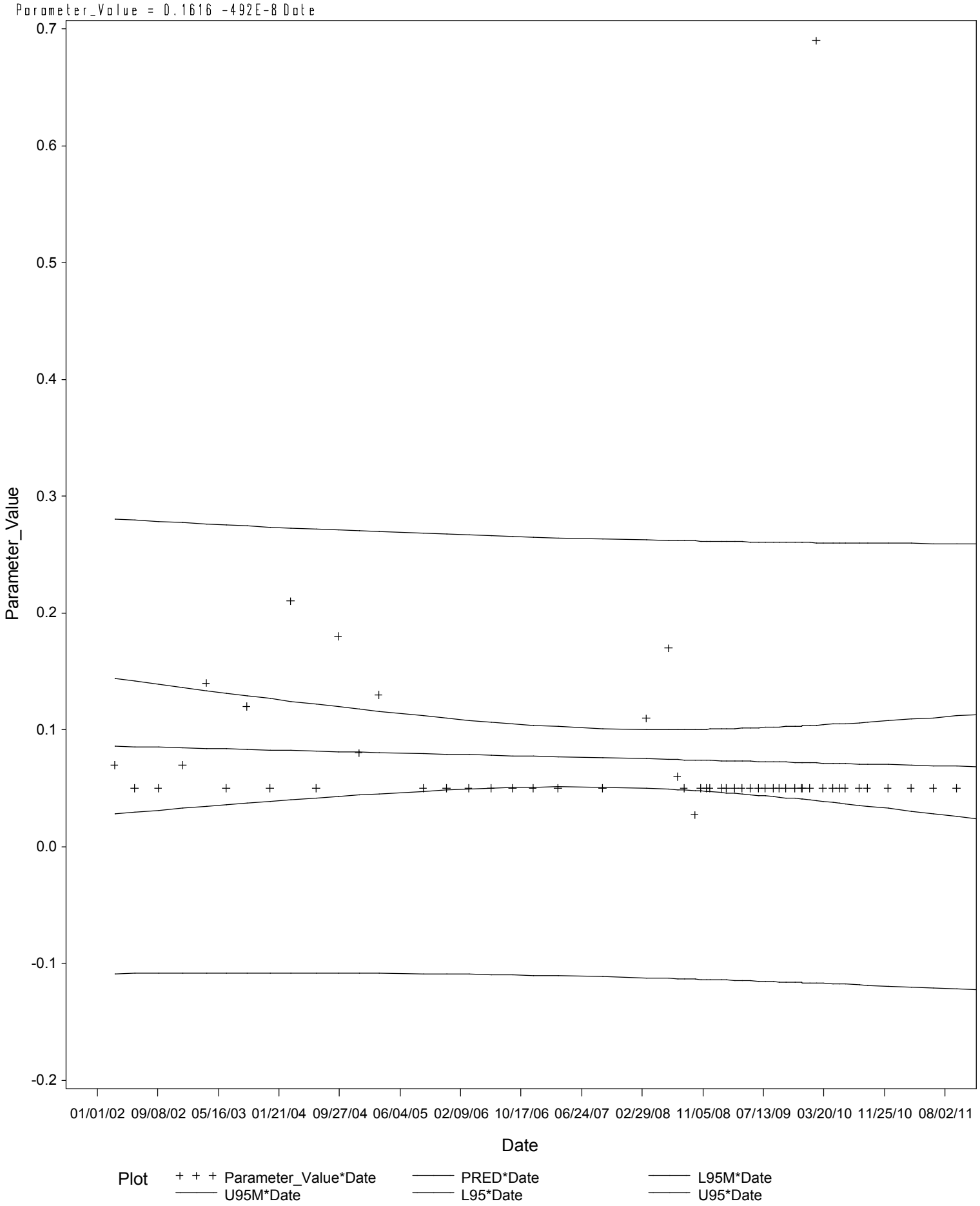
Upper Pecos River

Parameter=ALUMINUM, DISSOLVED (UG/L AS AL) Station=13260



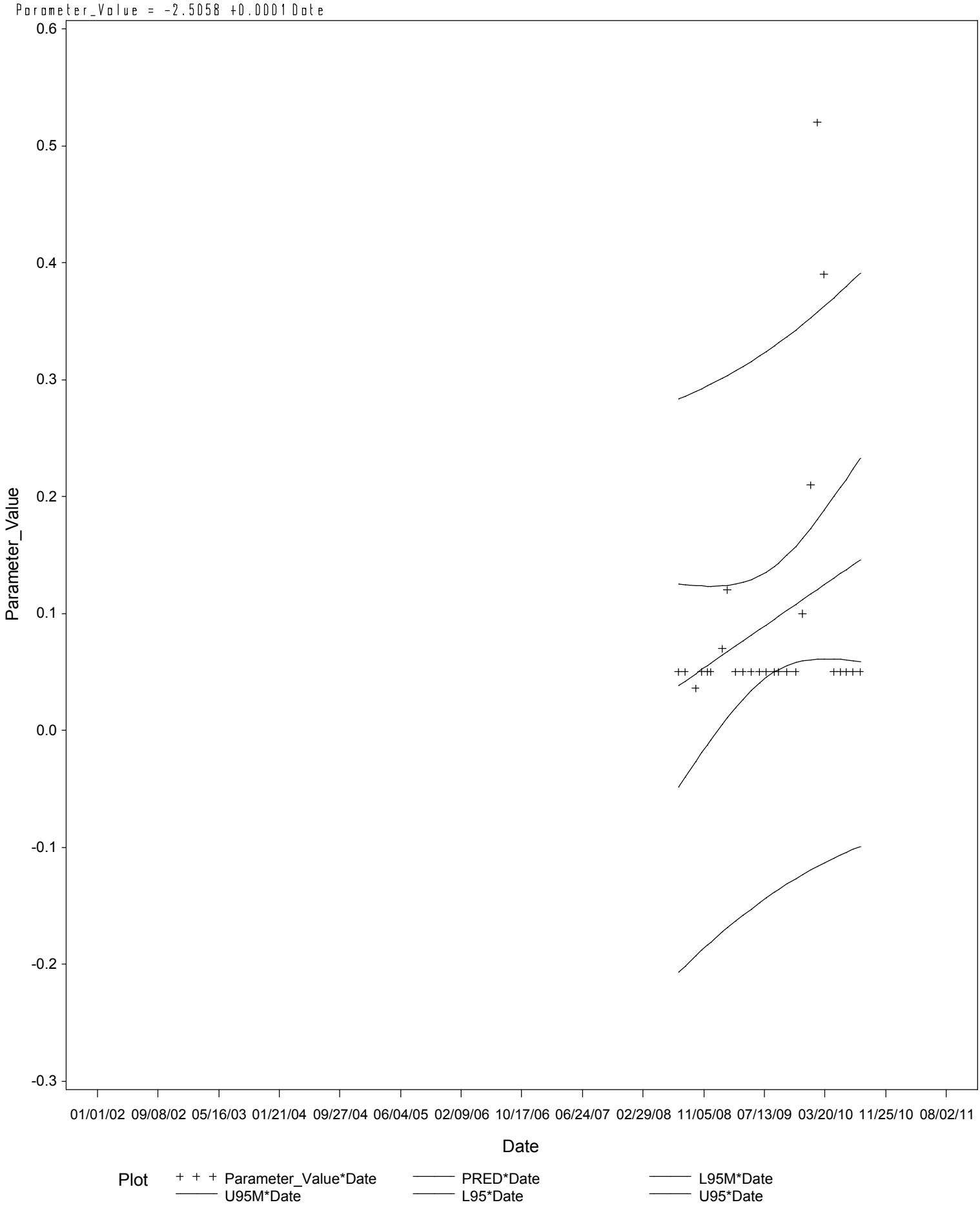
Upper Pecos River

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13257



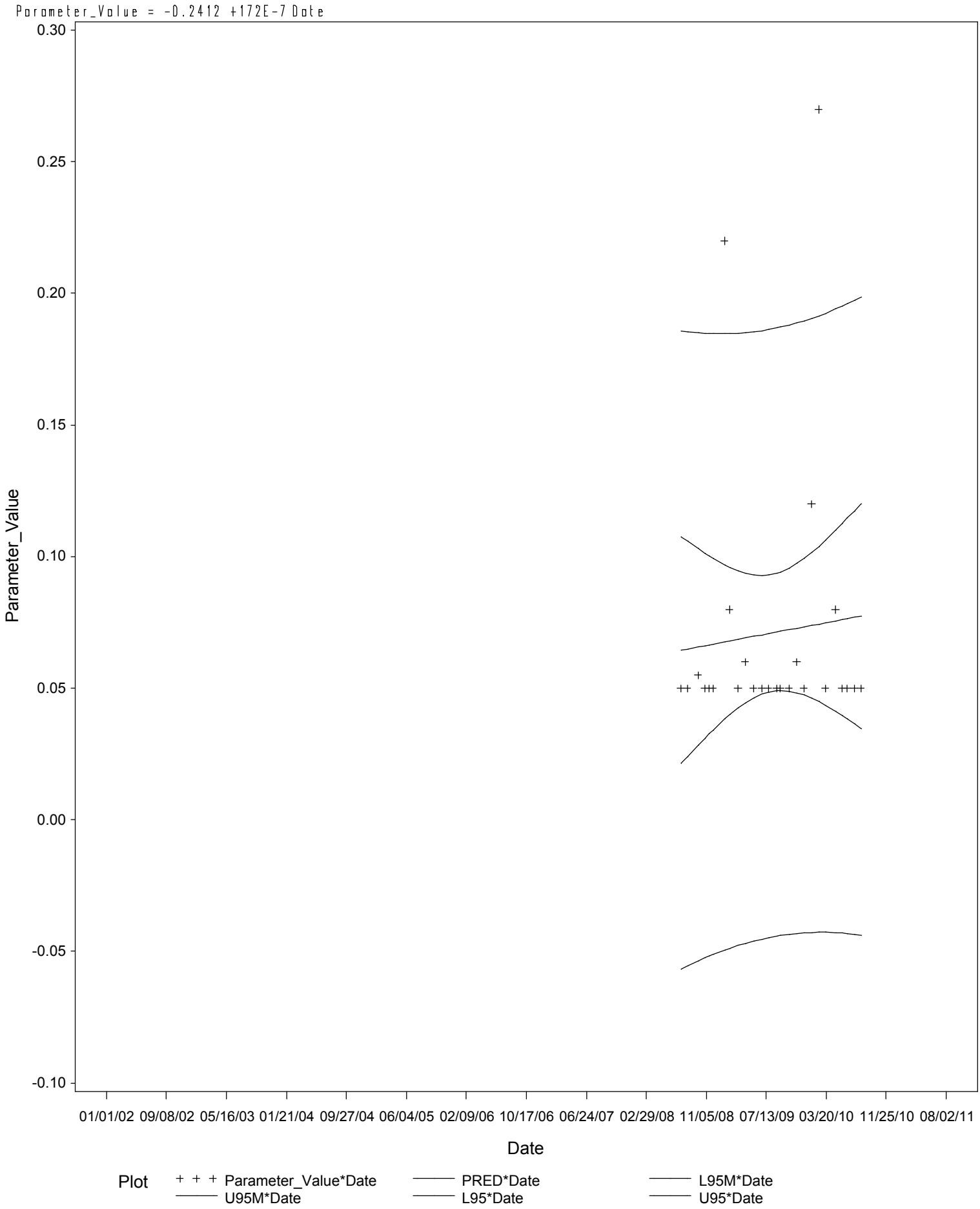
Upper Pecos River

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13258



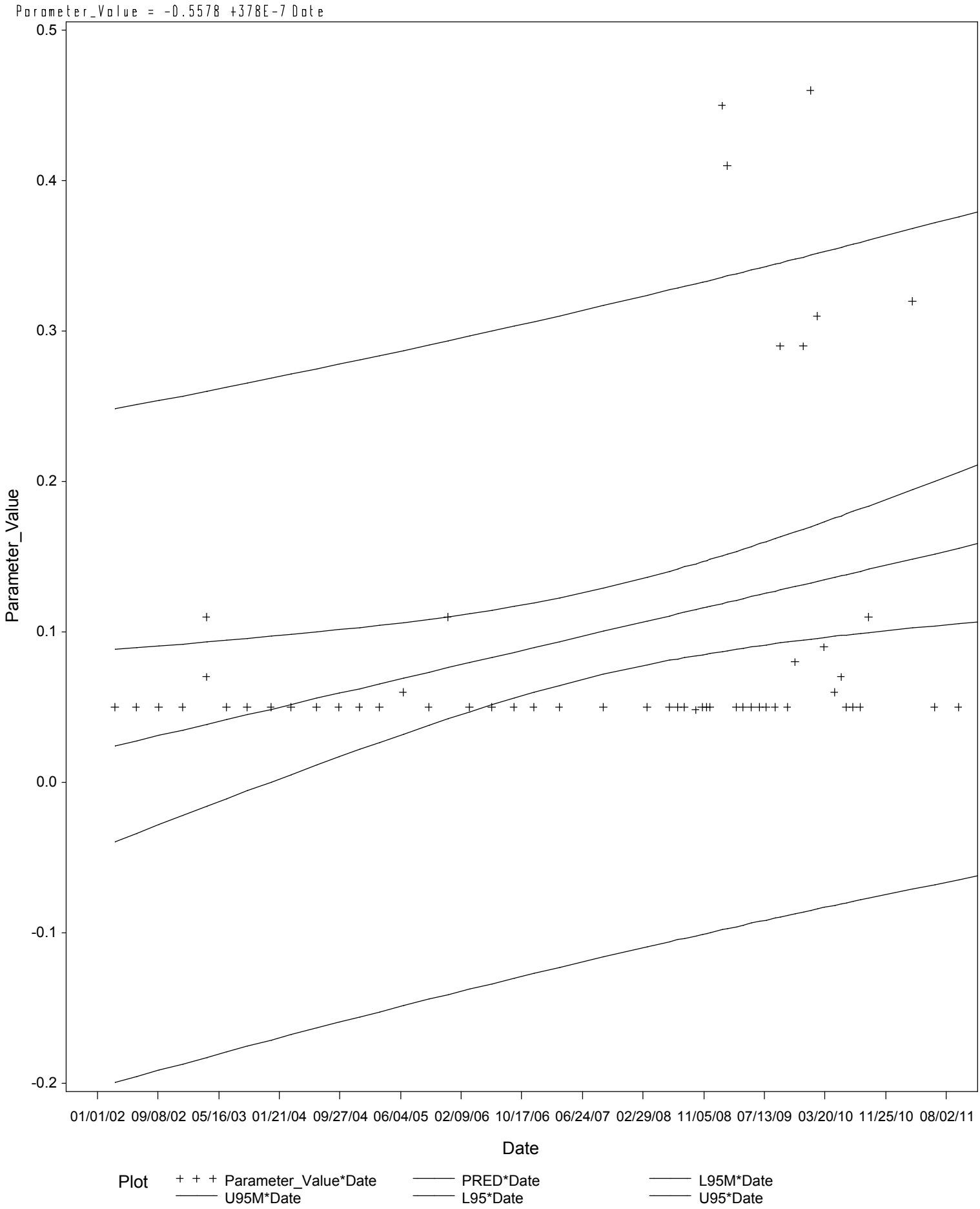
Upper Pecos River

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13259



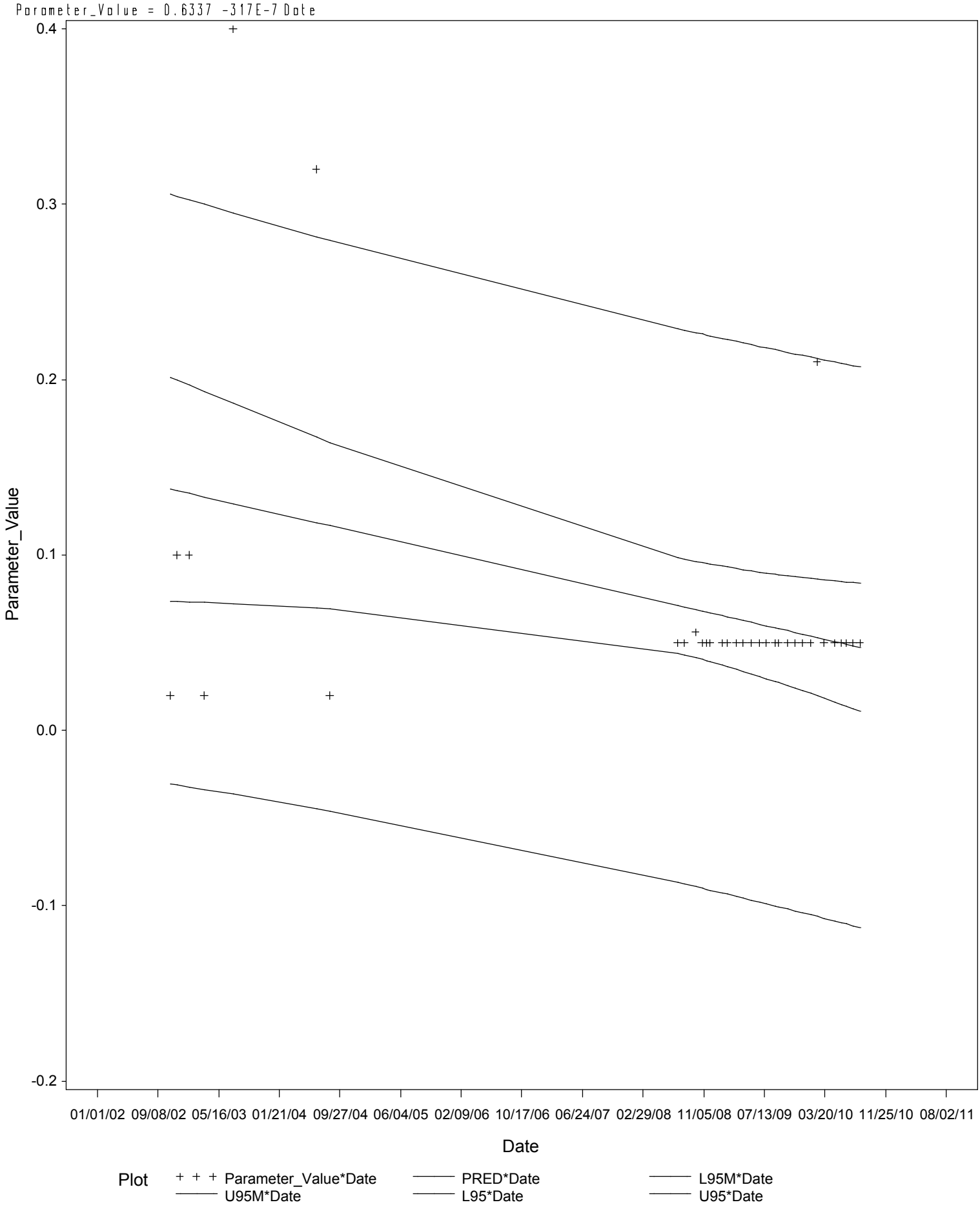
Upper Pecos River

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13260



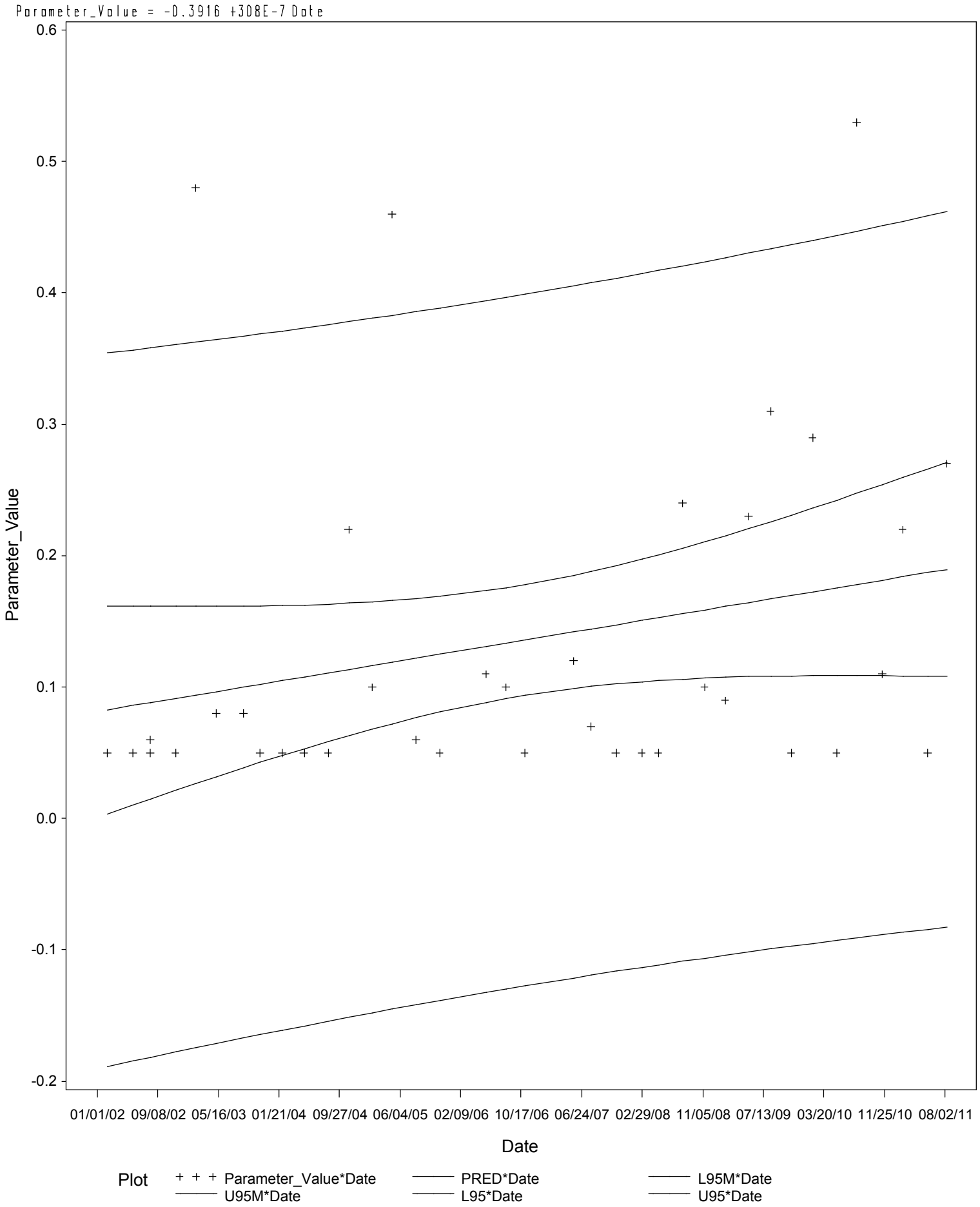
Upper Pecos River

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13261



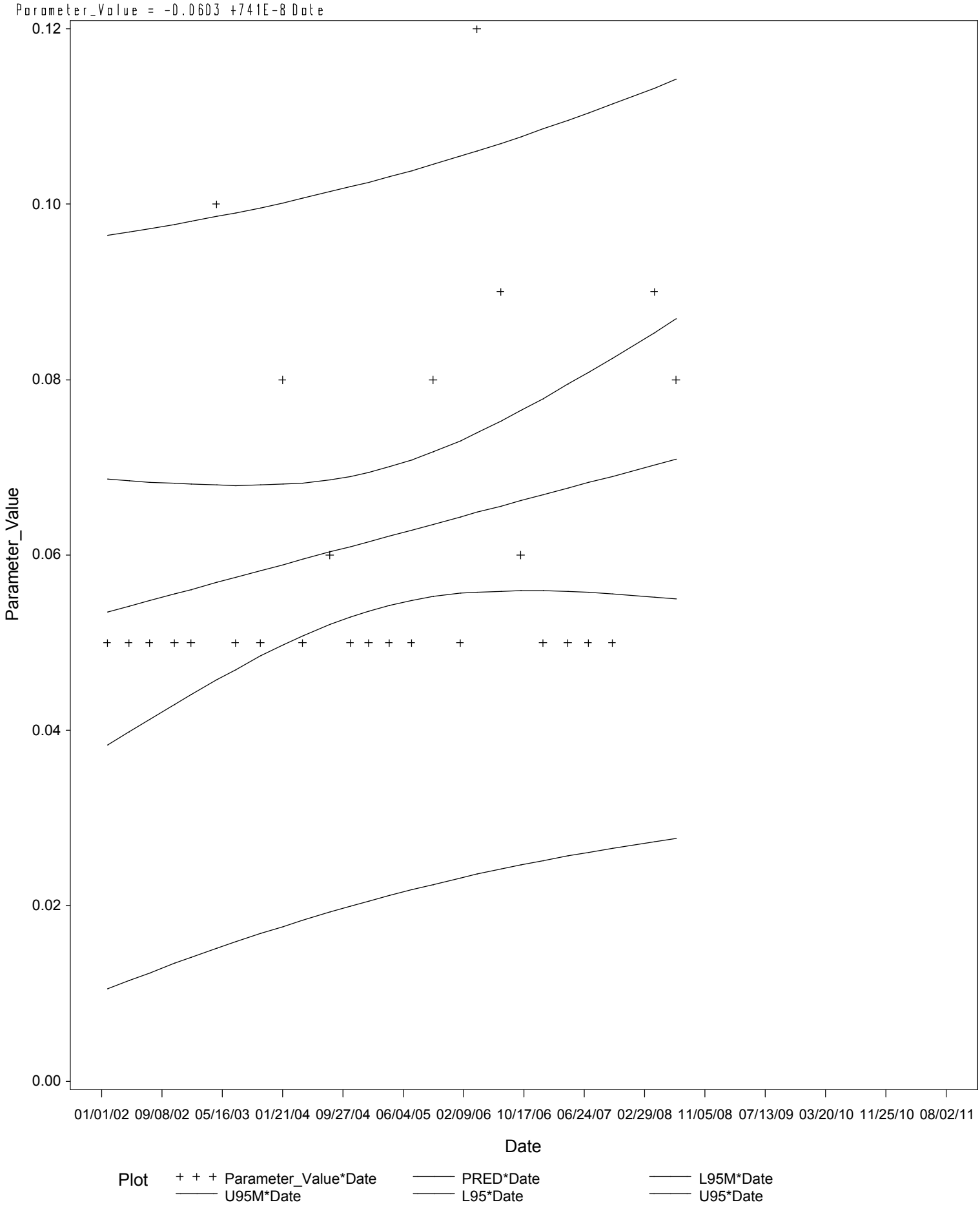
Upper Pecos River

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13265



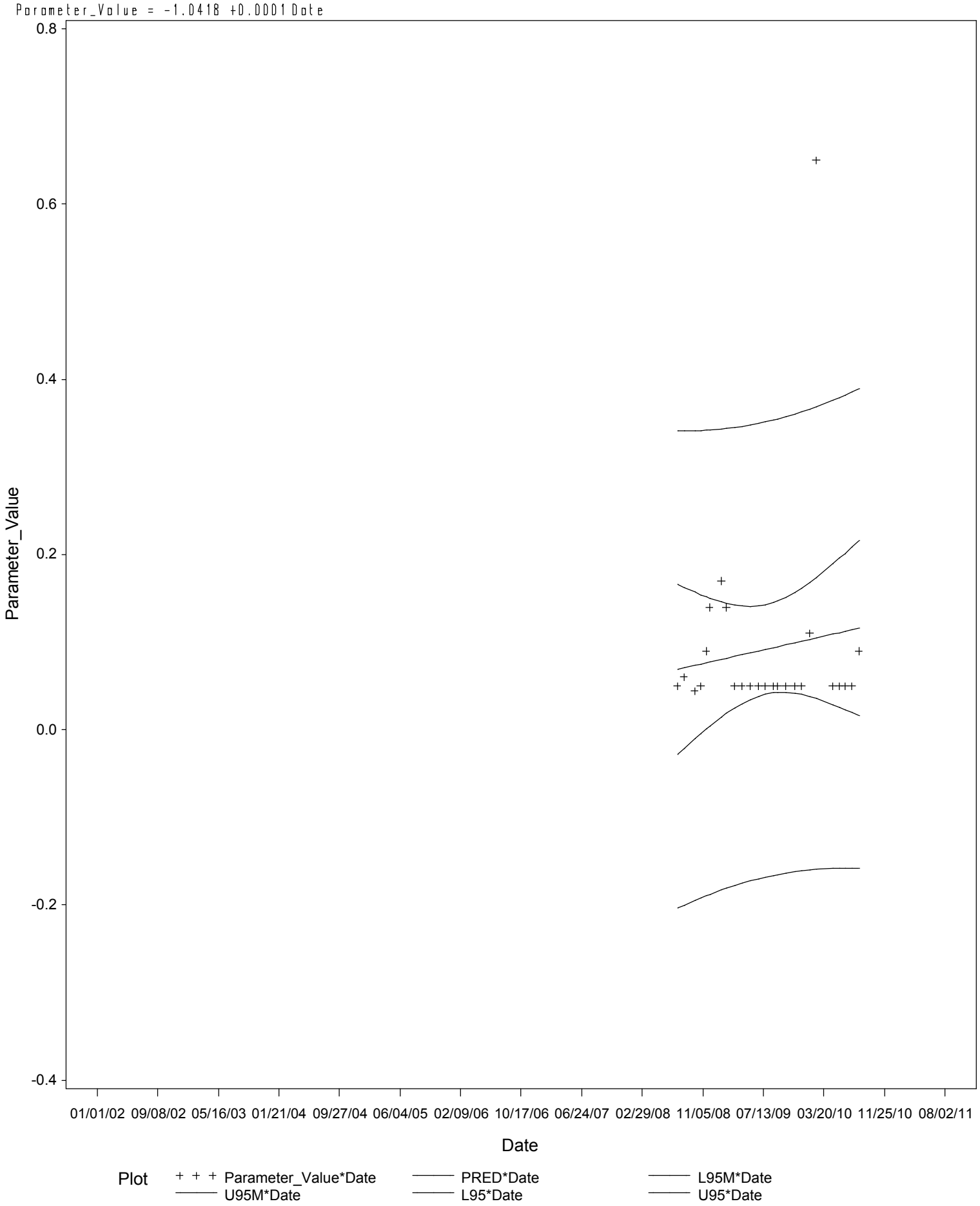
Upper Pecos River

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15114



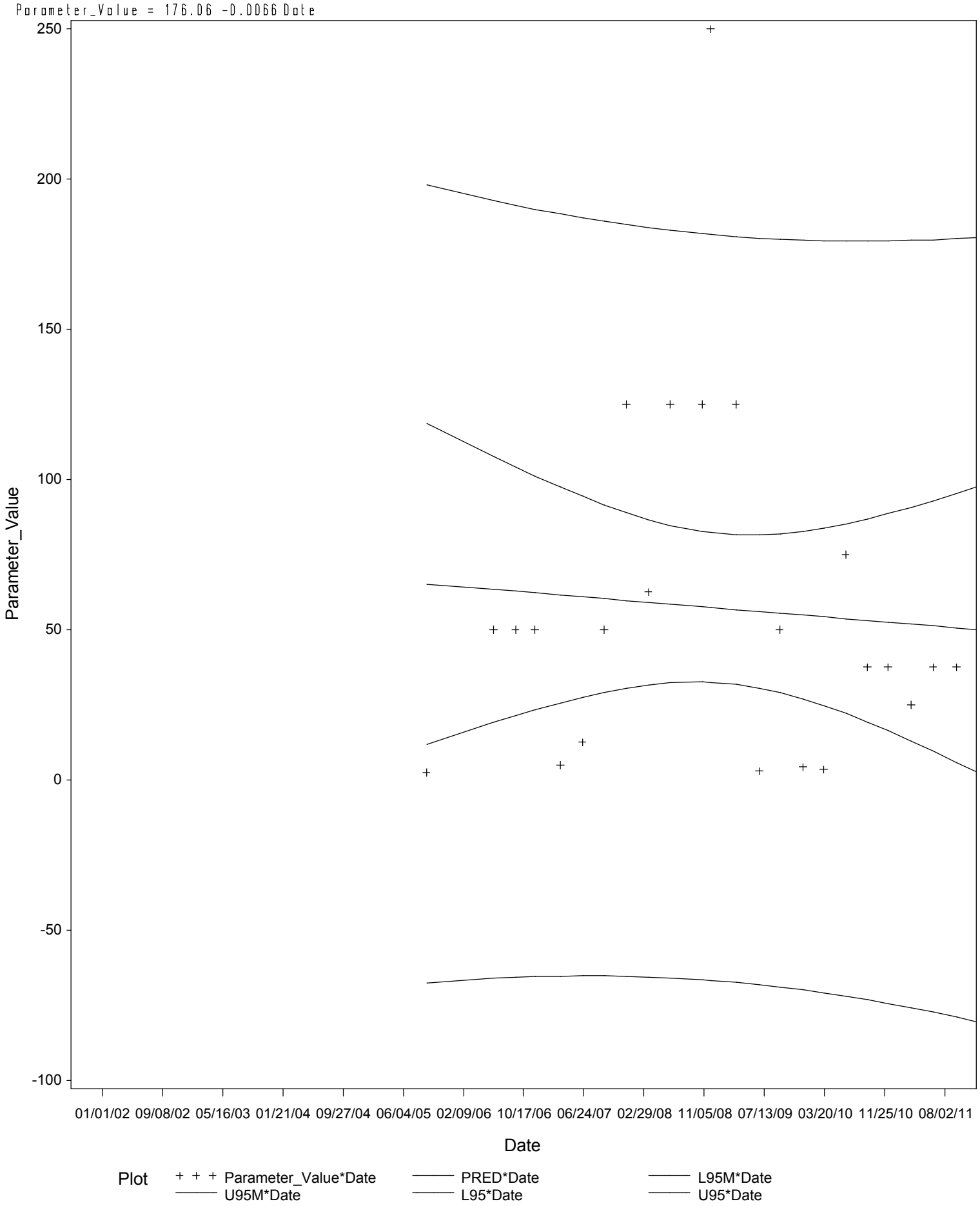
Upper Pecos River

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=20399



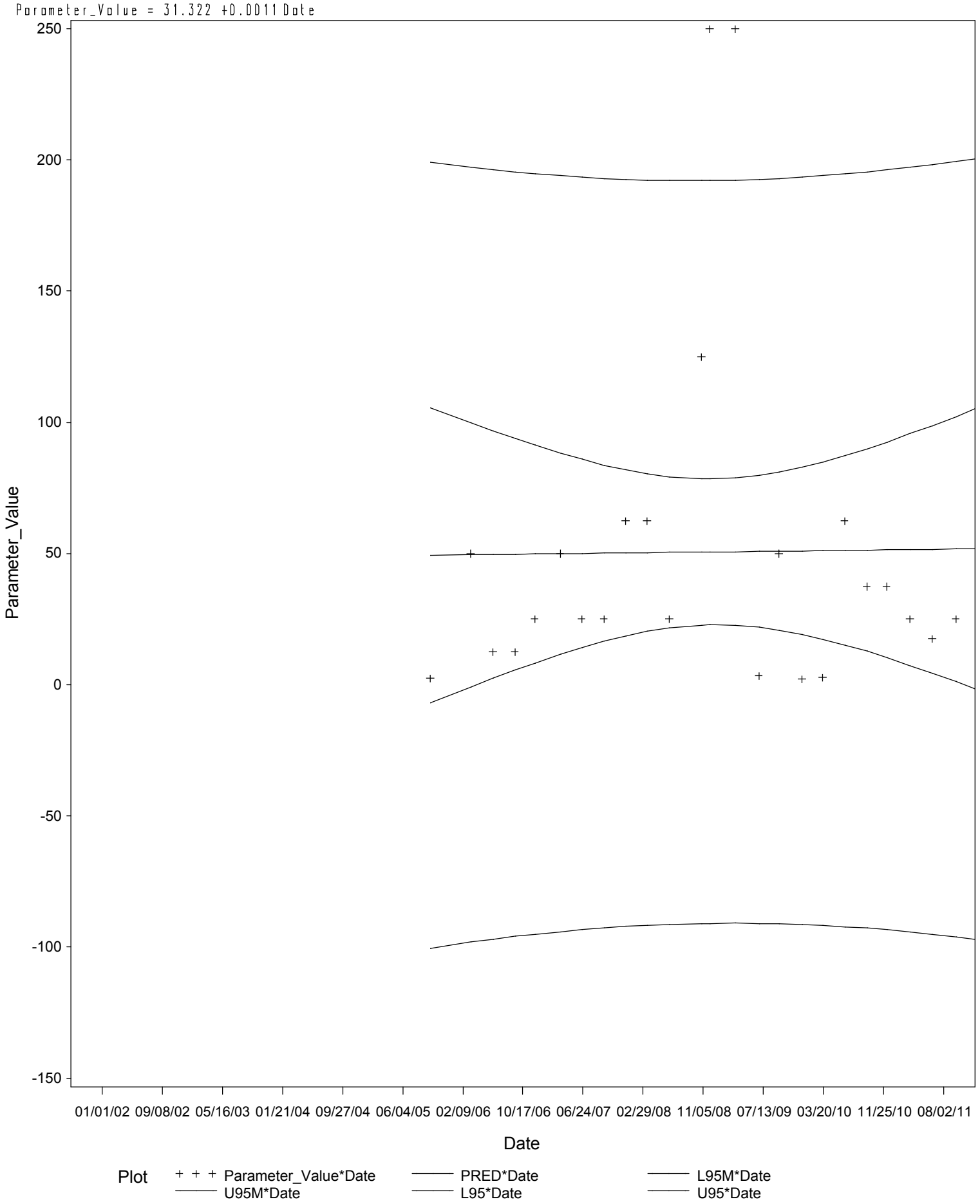
Upper Pecos River

Parameter=ARSENIC, DISSOLVED (UG/L AS AS) Station=13257



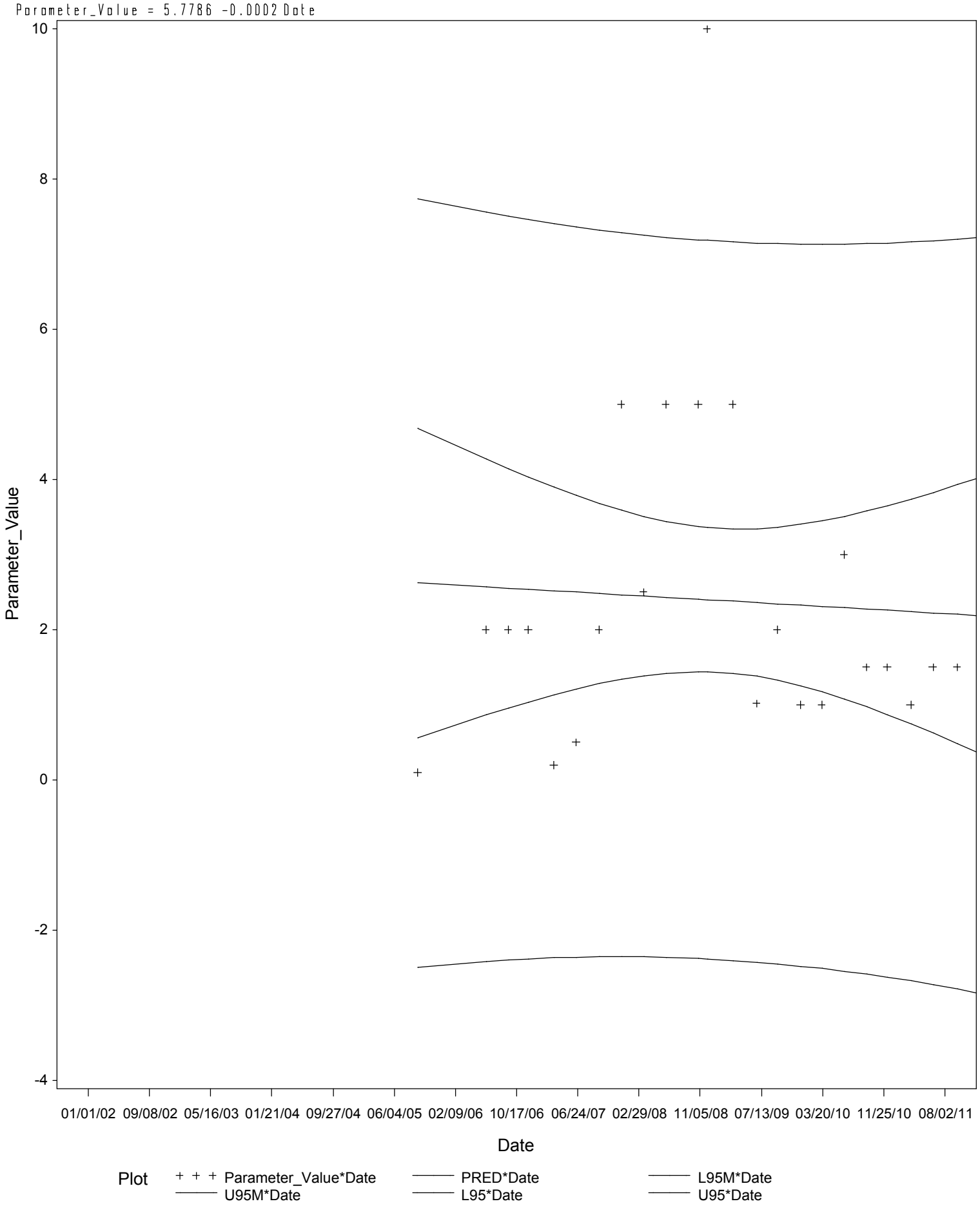
Upper Pecos River

Parameter=ARSENIC, DISSOLVED (UG/L AS AS) Station=13260



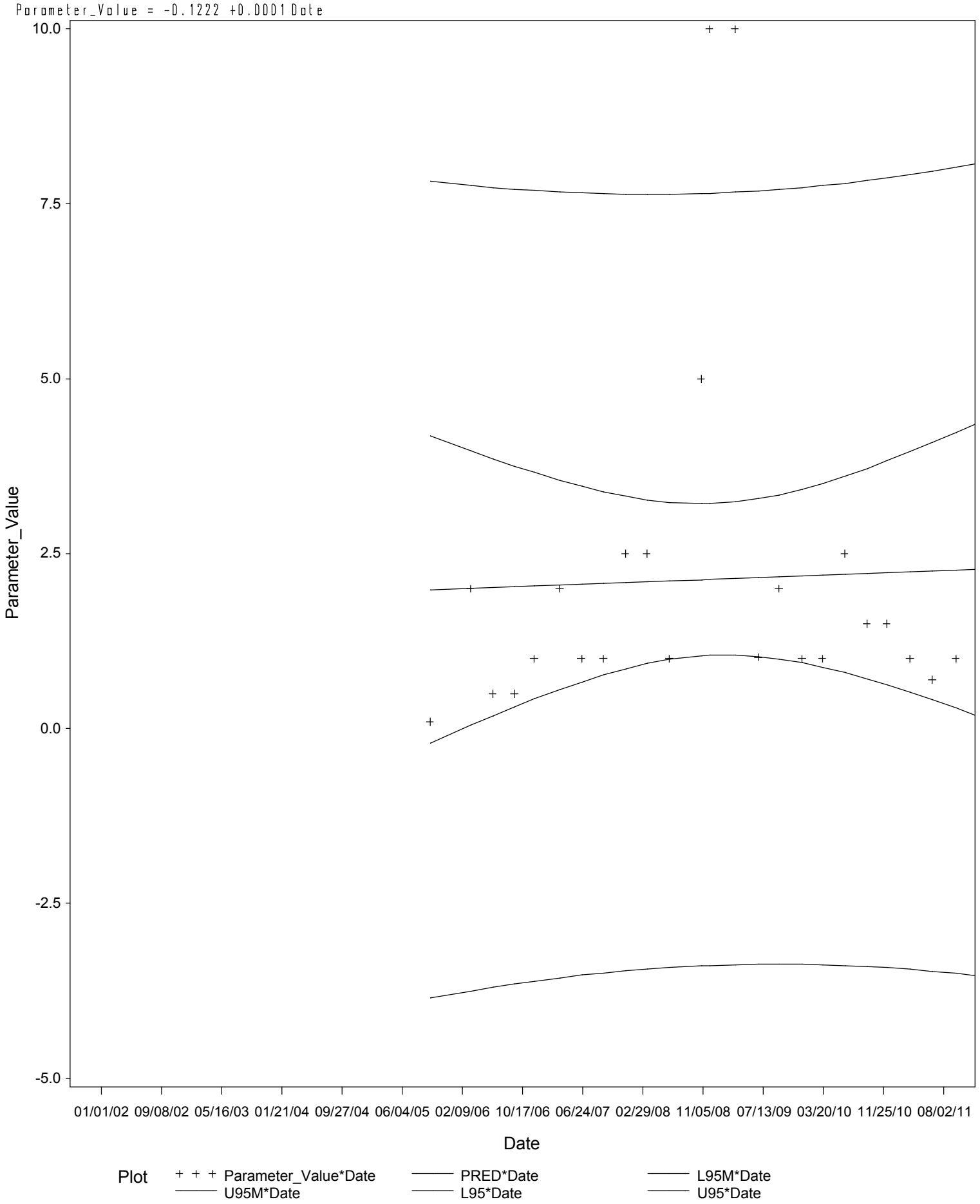
Upper Pecos River

Parameter=CADMIUM, DISSOLVED (UG/L AS CD) Station=13257



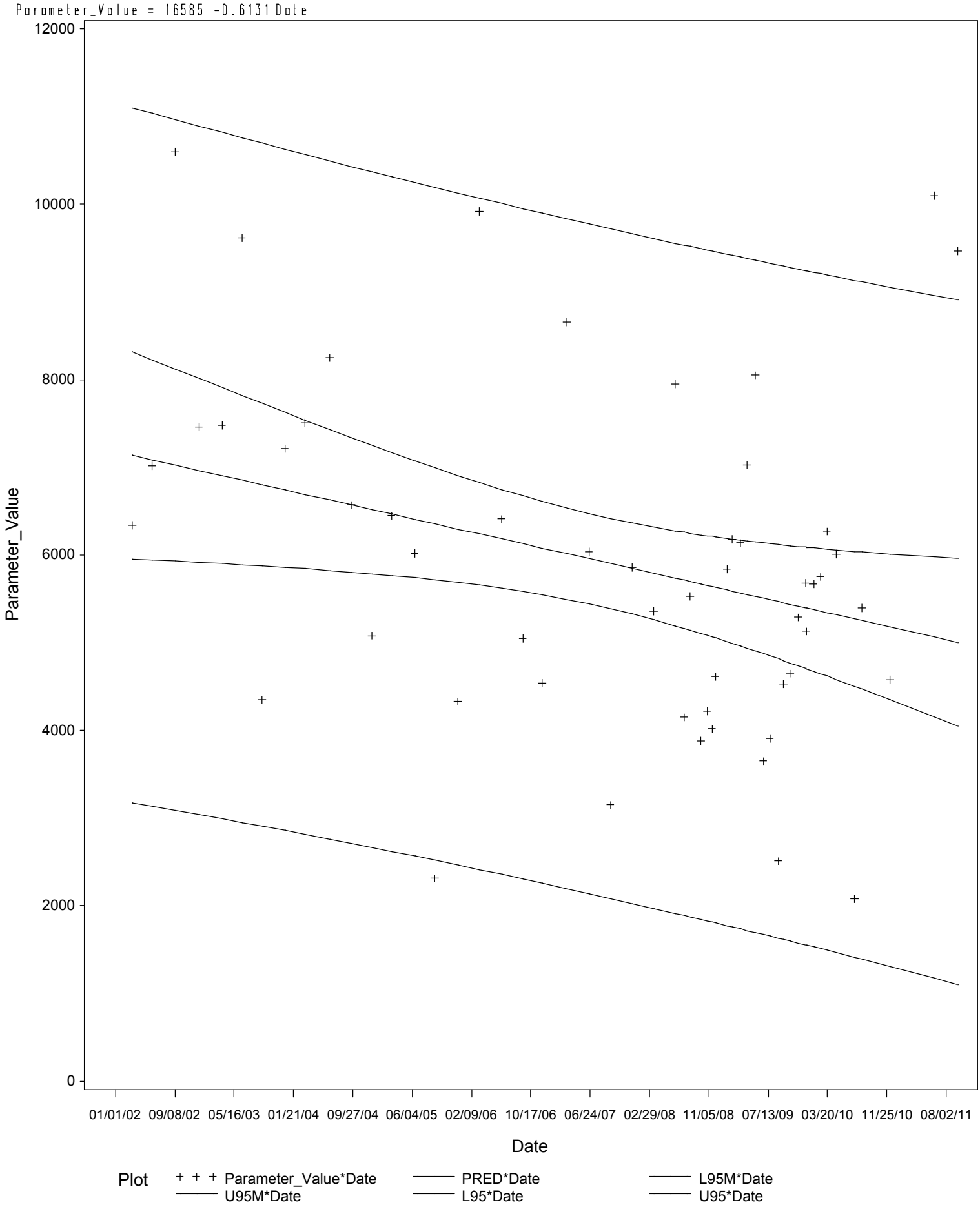
Upper Pecos River

Parameter=CADMIUM, DISSOLVED (UG/L AS CD) Station=13260



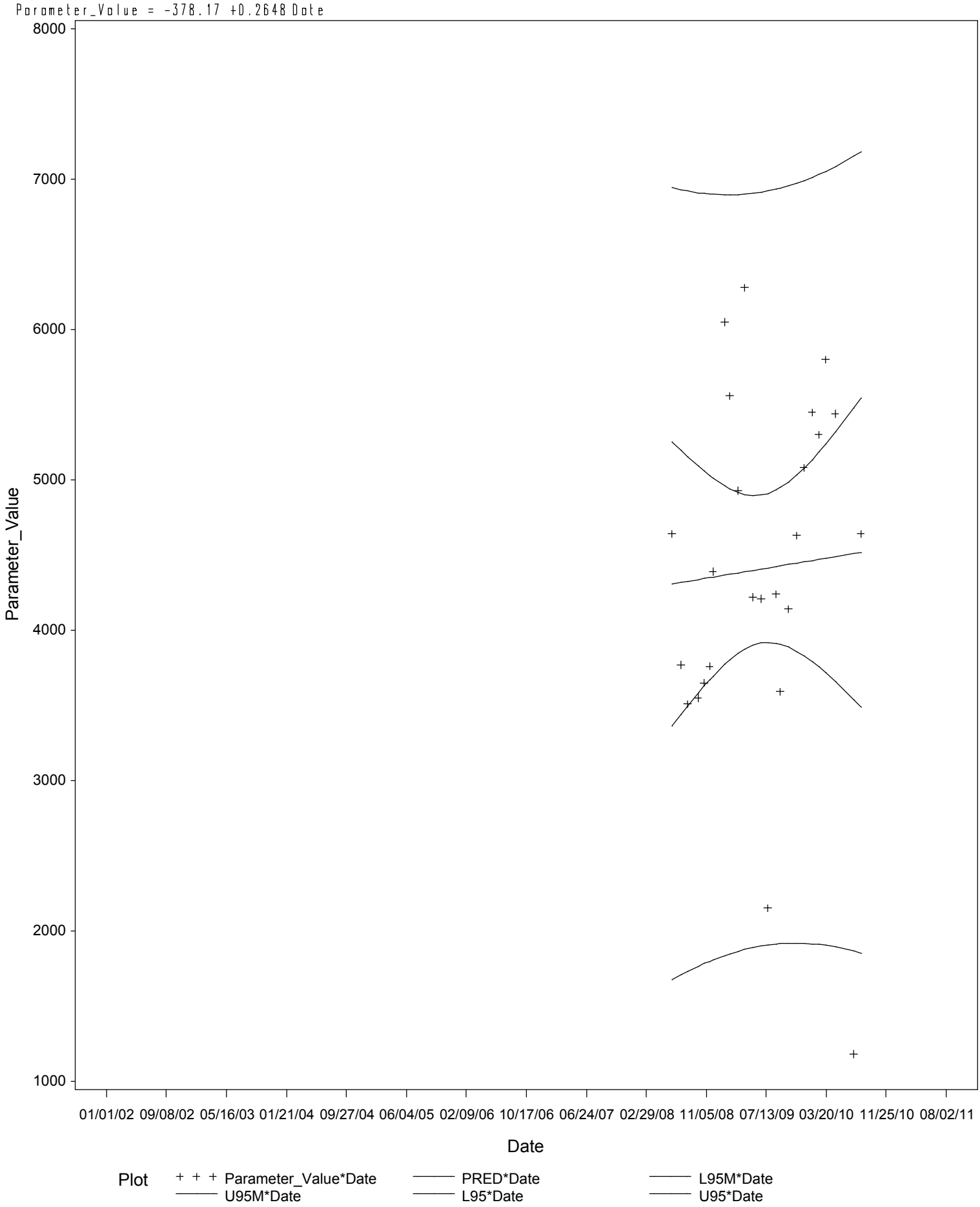
Upper Pecos River

Parameter=CHLORIDE (MG/L AS CL) Station=13257



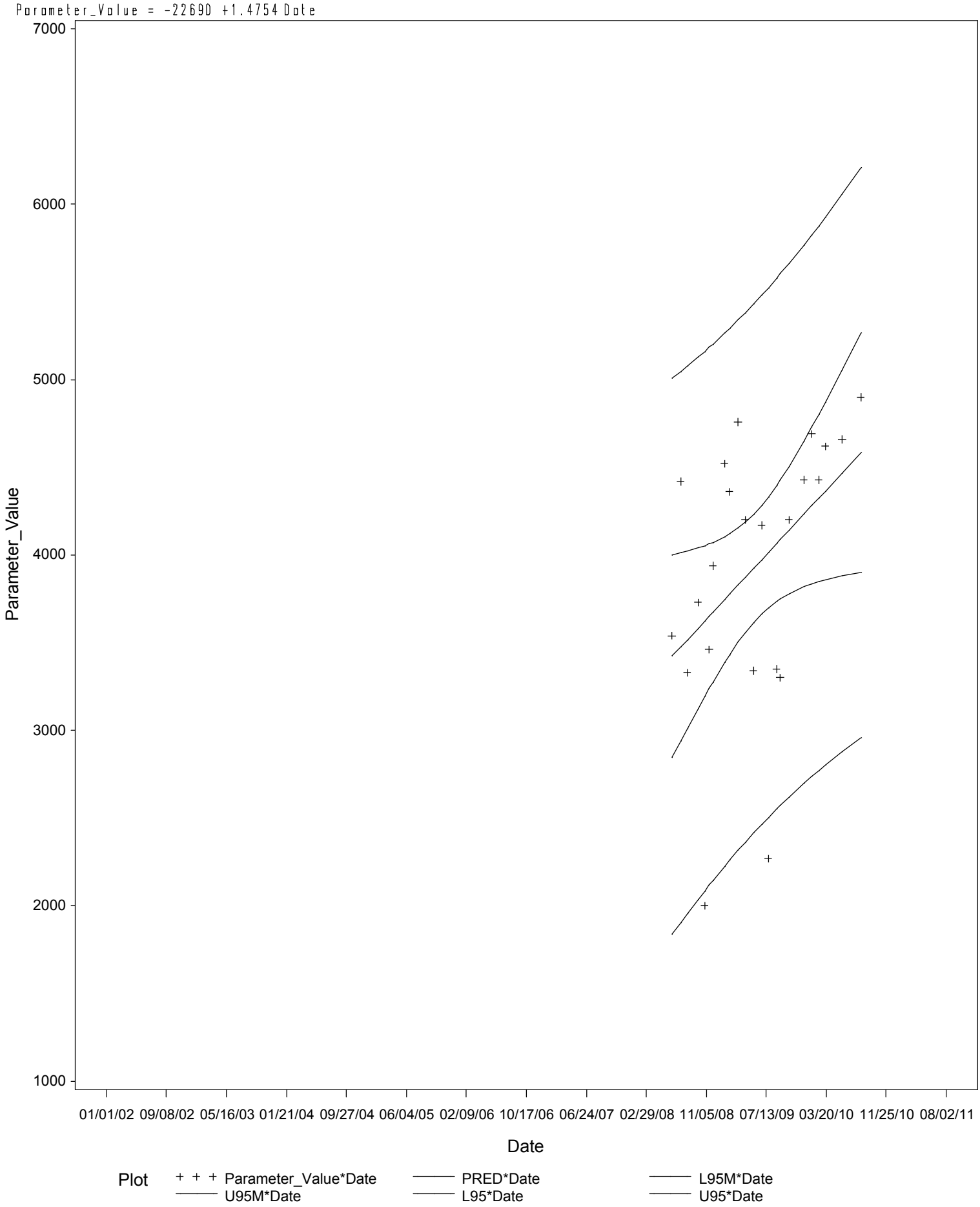
Upper Pecos River

Parameter=CHLORIDE (MG/L AS CL) Station=13258



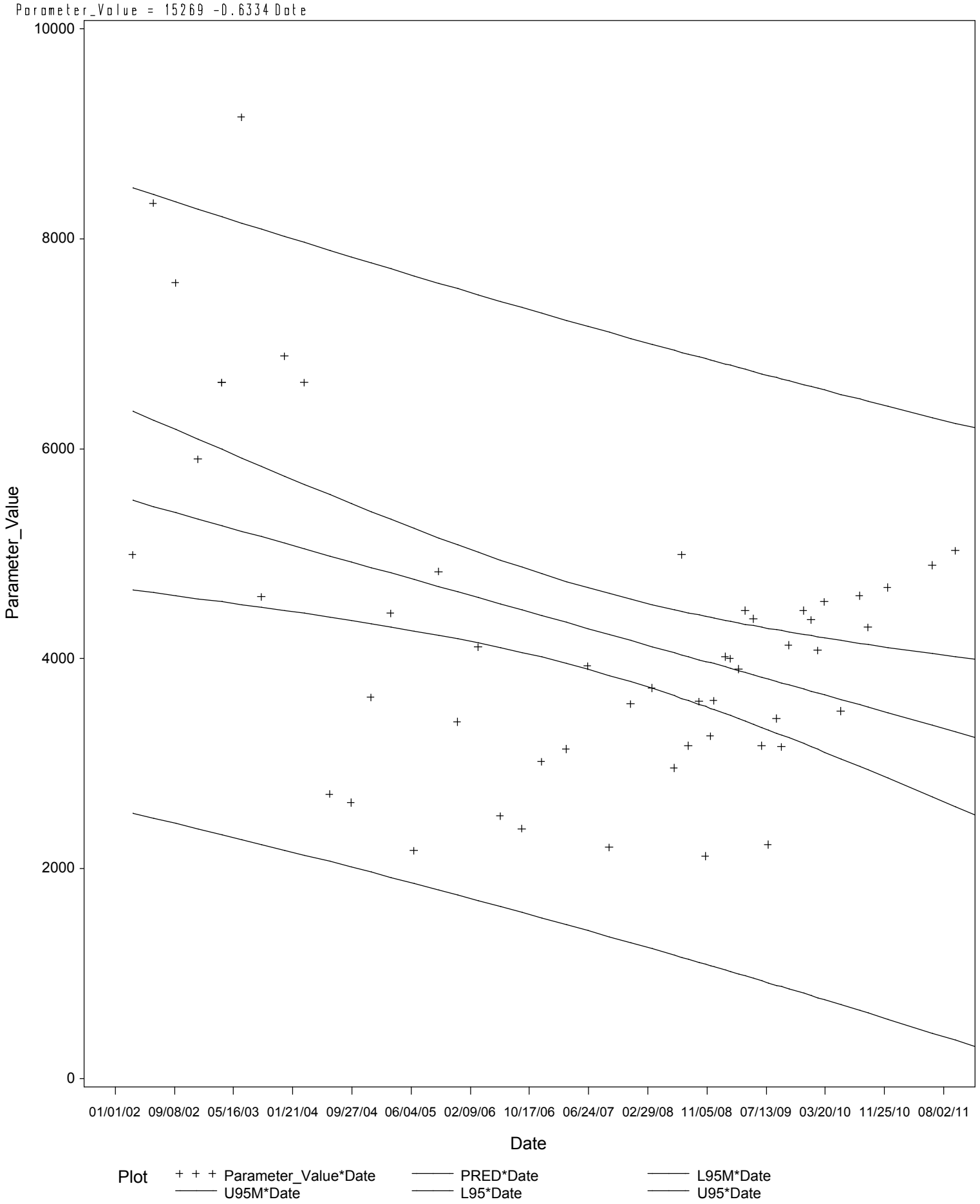
Upper Pecos River

Parameter=CHLORIDE (MG/L AS CL) Station=13259



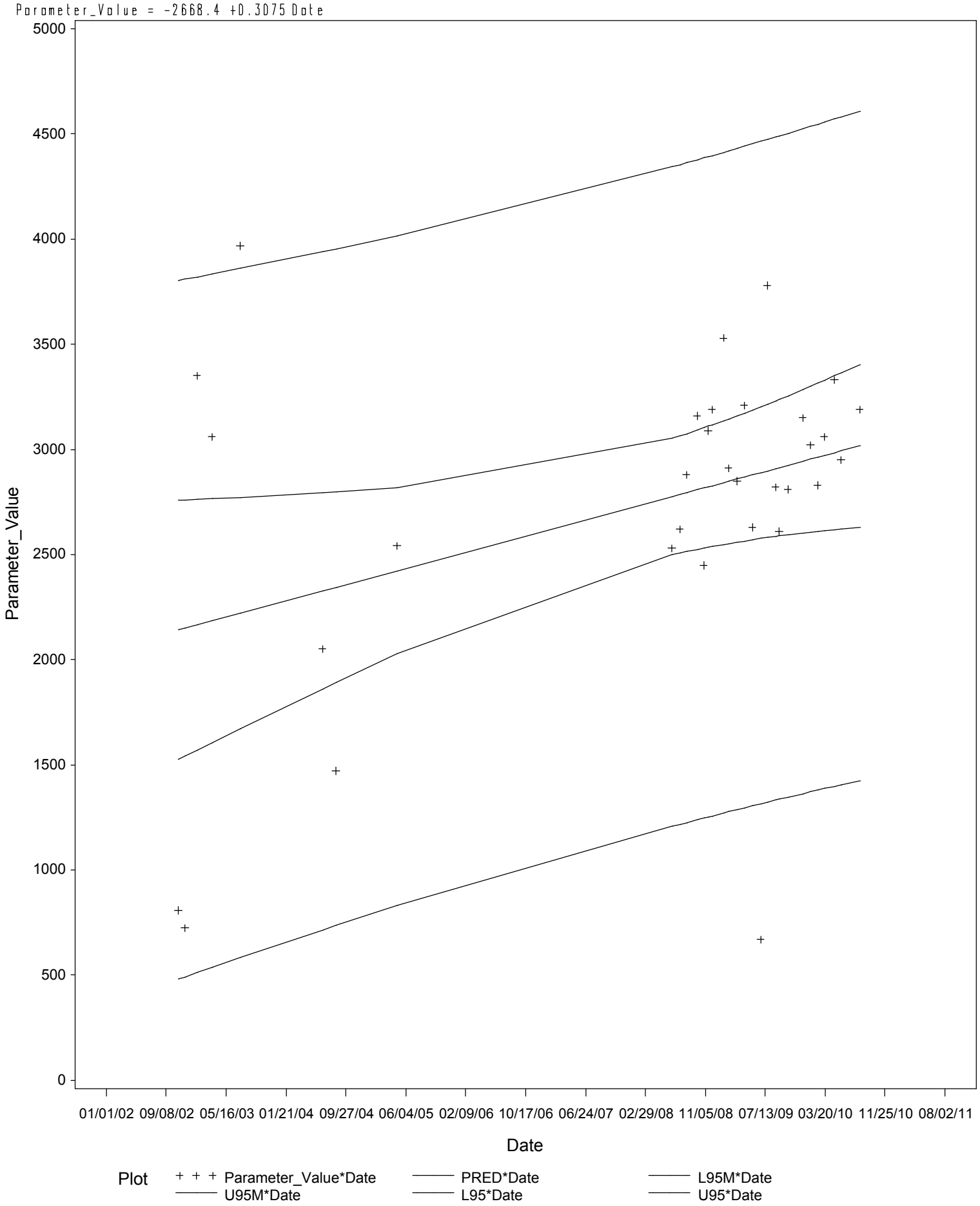
Upper Pecos River

Parameter=CHLORIDE (MG/L AS CL) Station=13260



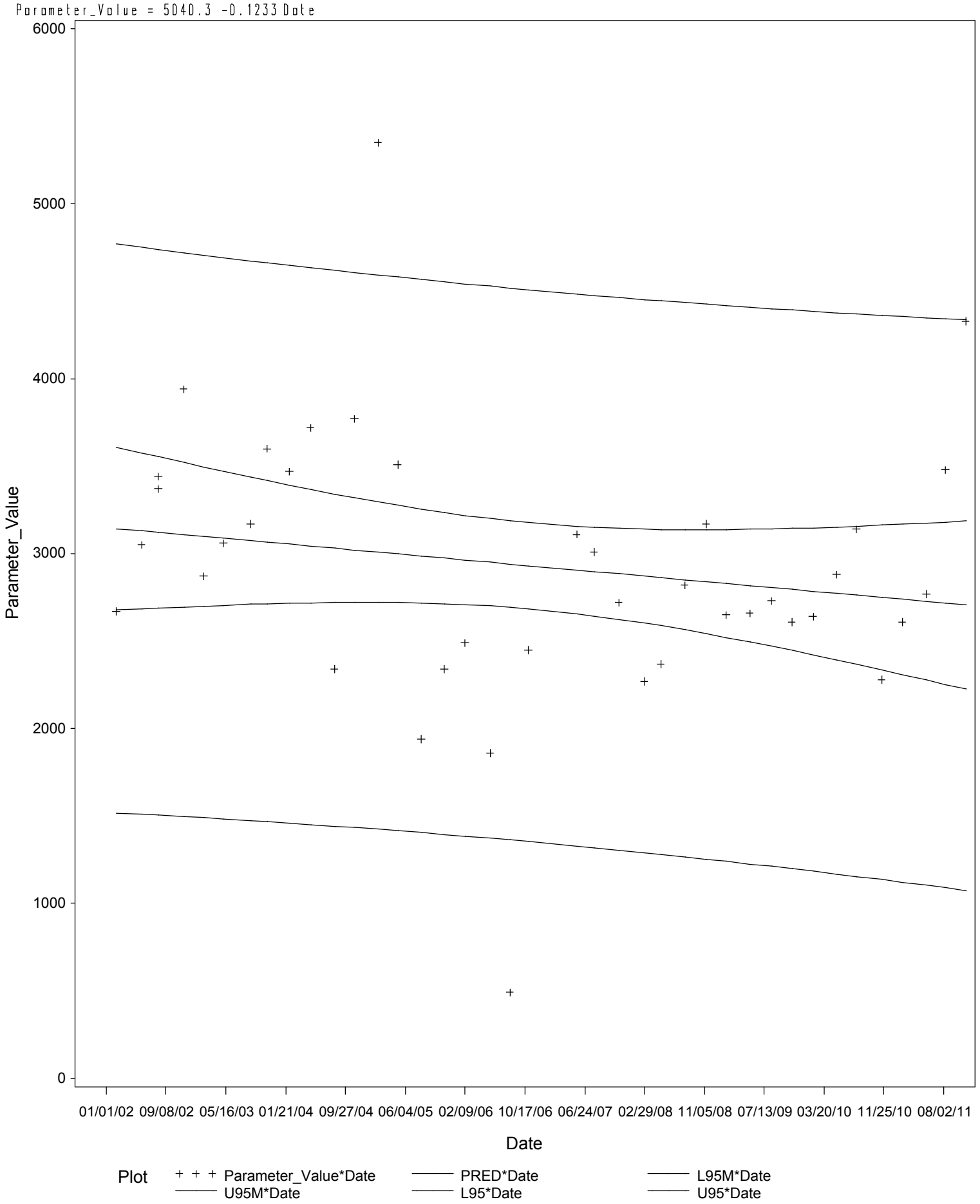
Upper Pecos River

Parameter=CHLORIDE (MG/L AS CL) Station=13261



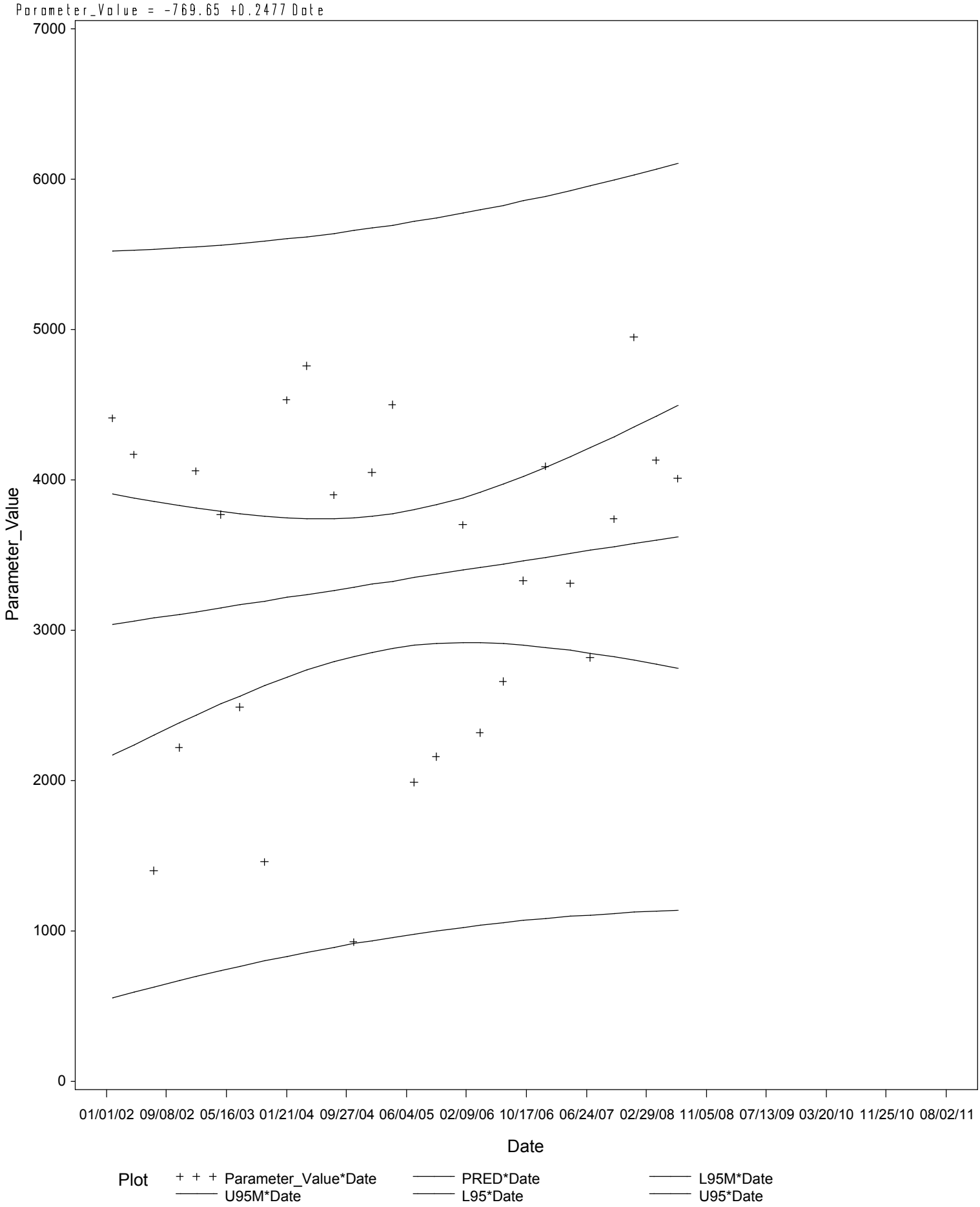
Upper Pecos River

Parameter=CHLORIDE (MG/L AS CL) Station=13265



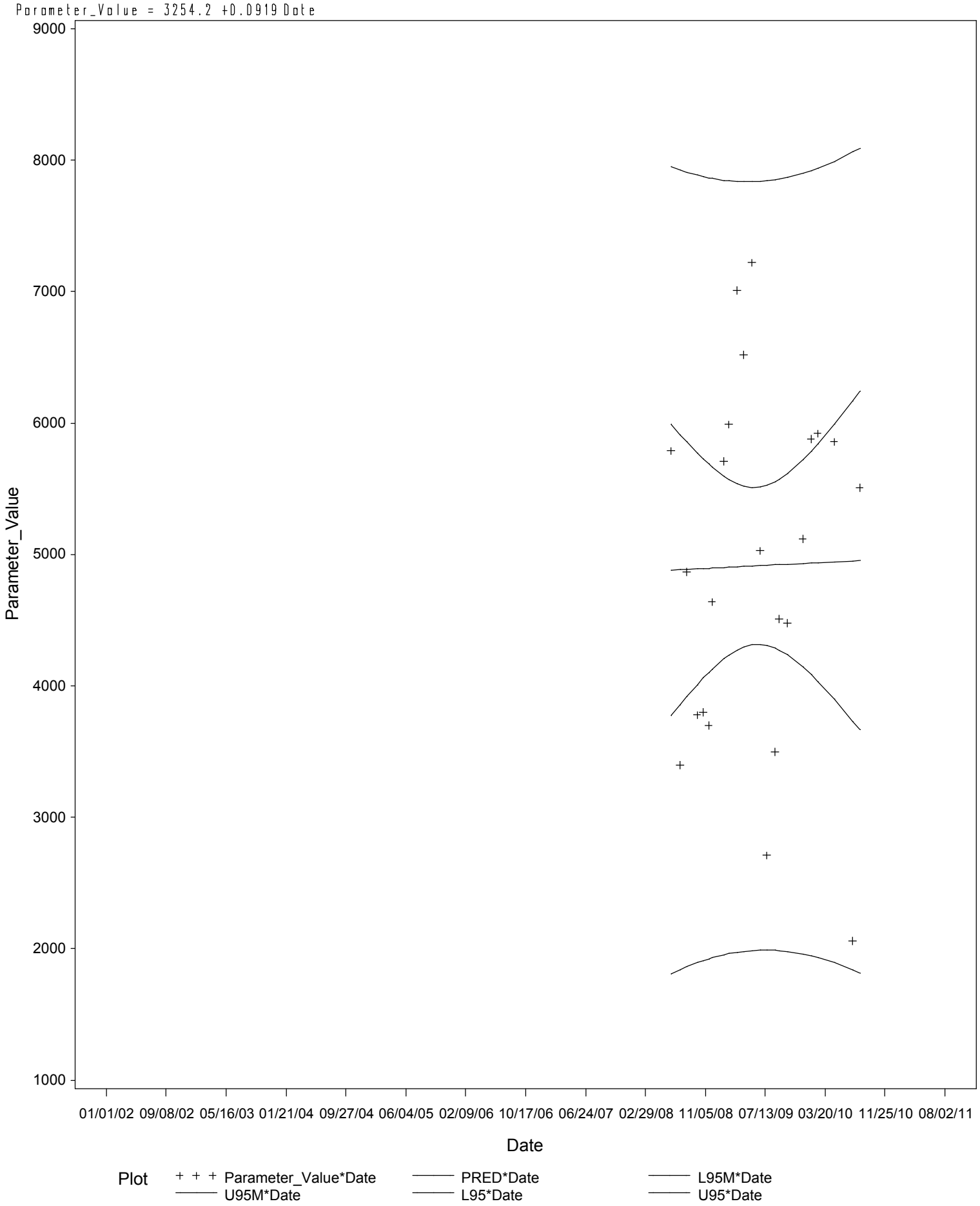
Upper Pecos River

Parameter=CHLORIDE (MG/L AS CL) Station=15114



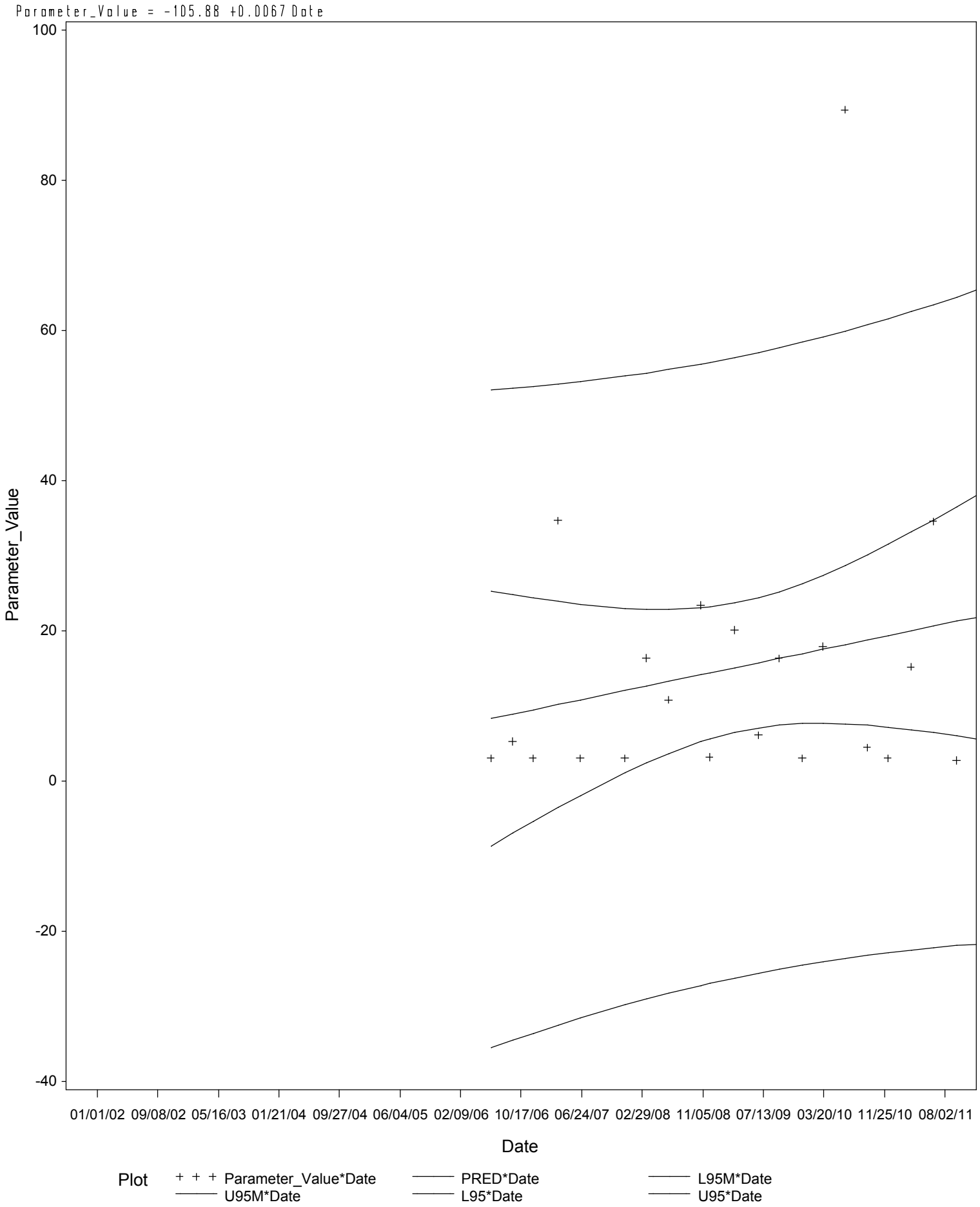
Upper Pecos River

Parameter=CHLORIDE (MG/L AS CL) Station=20399



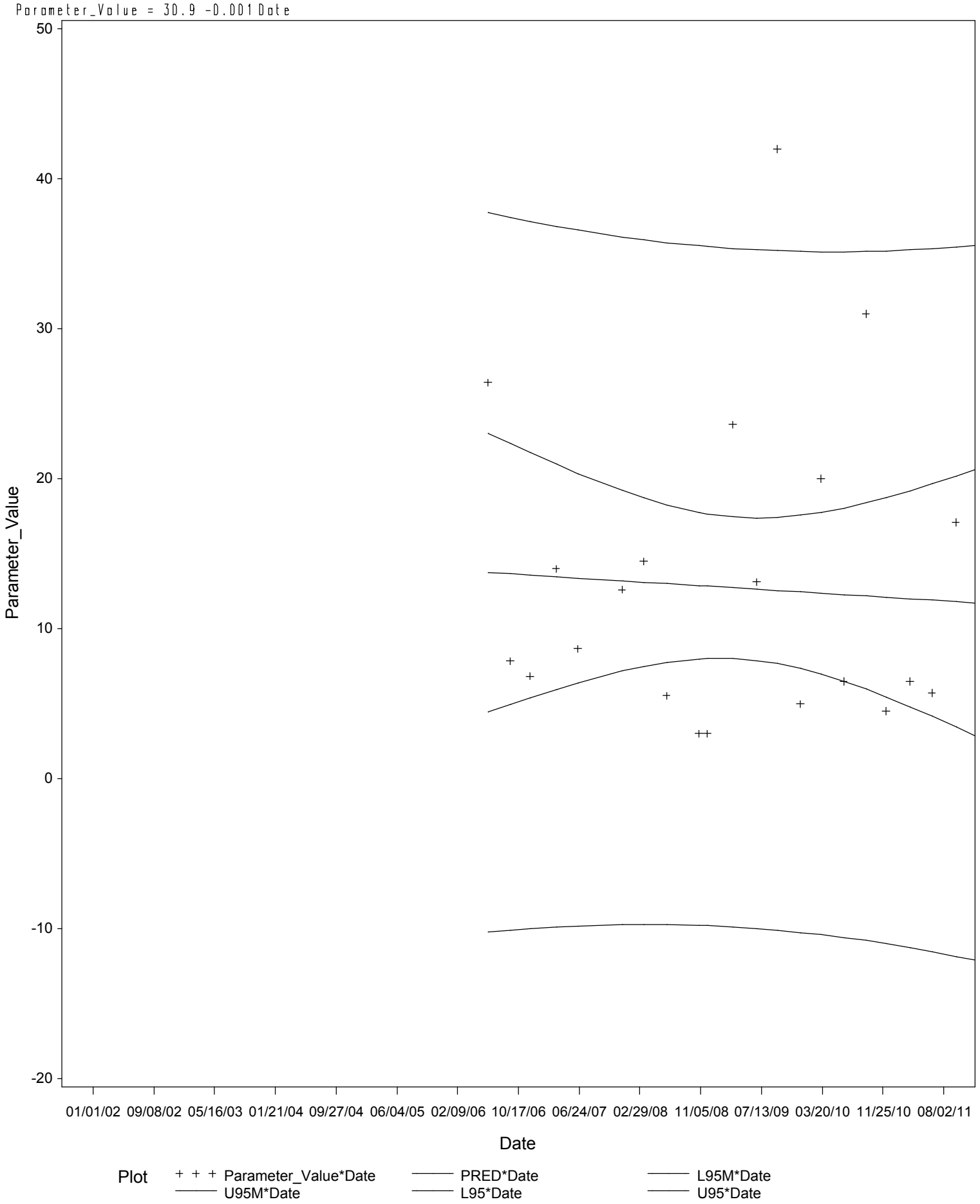
Upper Pecos River

Parameter=CHLOROPHYLL-A, UG/L Station=13257



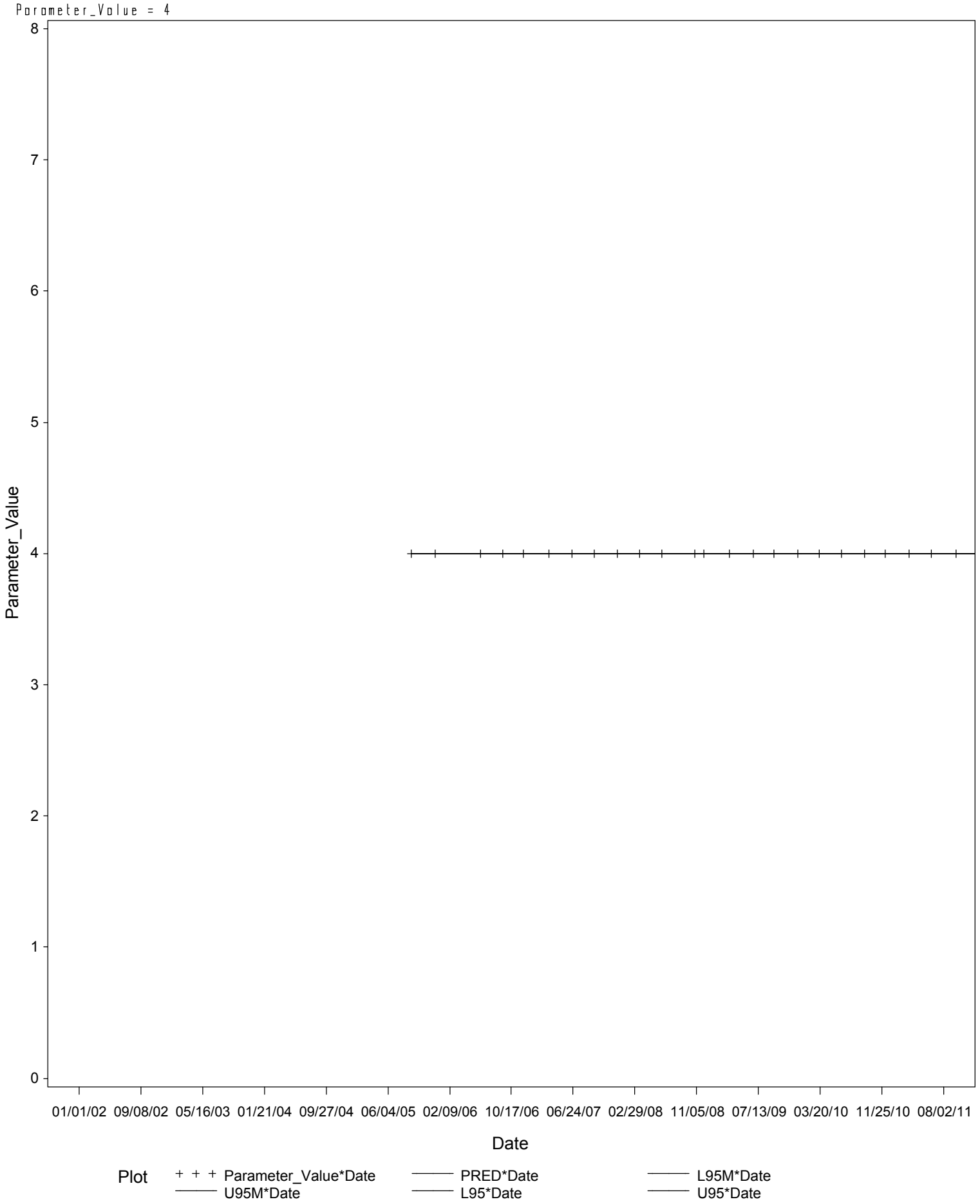
Upper Pecos River

Parameter=CHLOROPHYLL-A, UG/L Station=13260



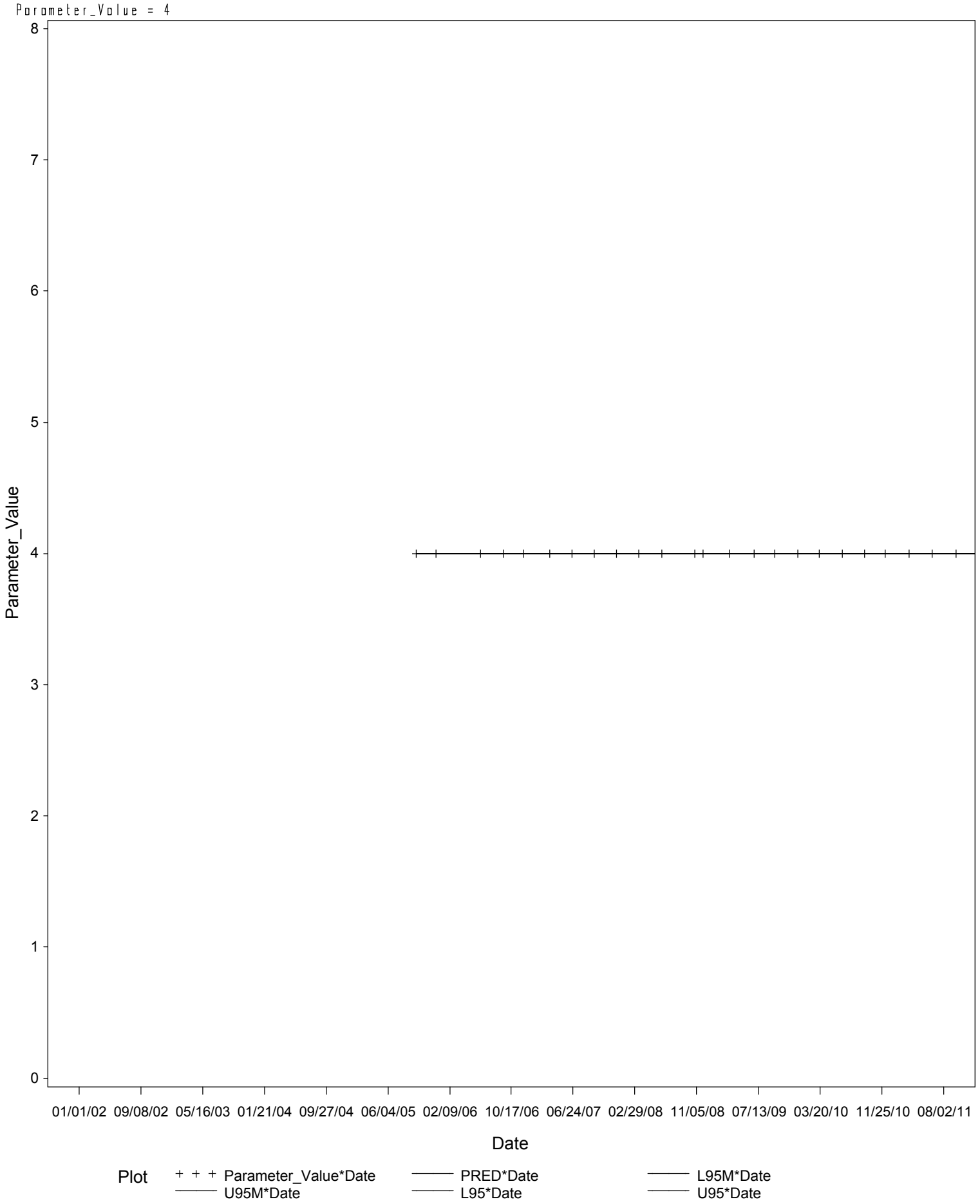
Upper Pecos River

Parameter=CHROMIUM, DISSOLVED (UG/L AS CR) Station=13257



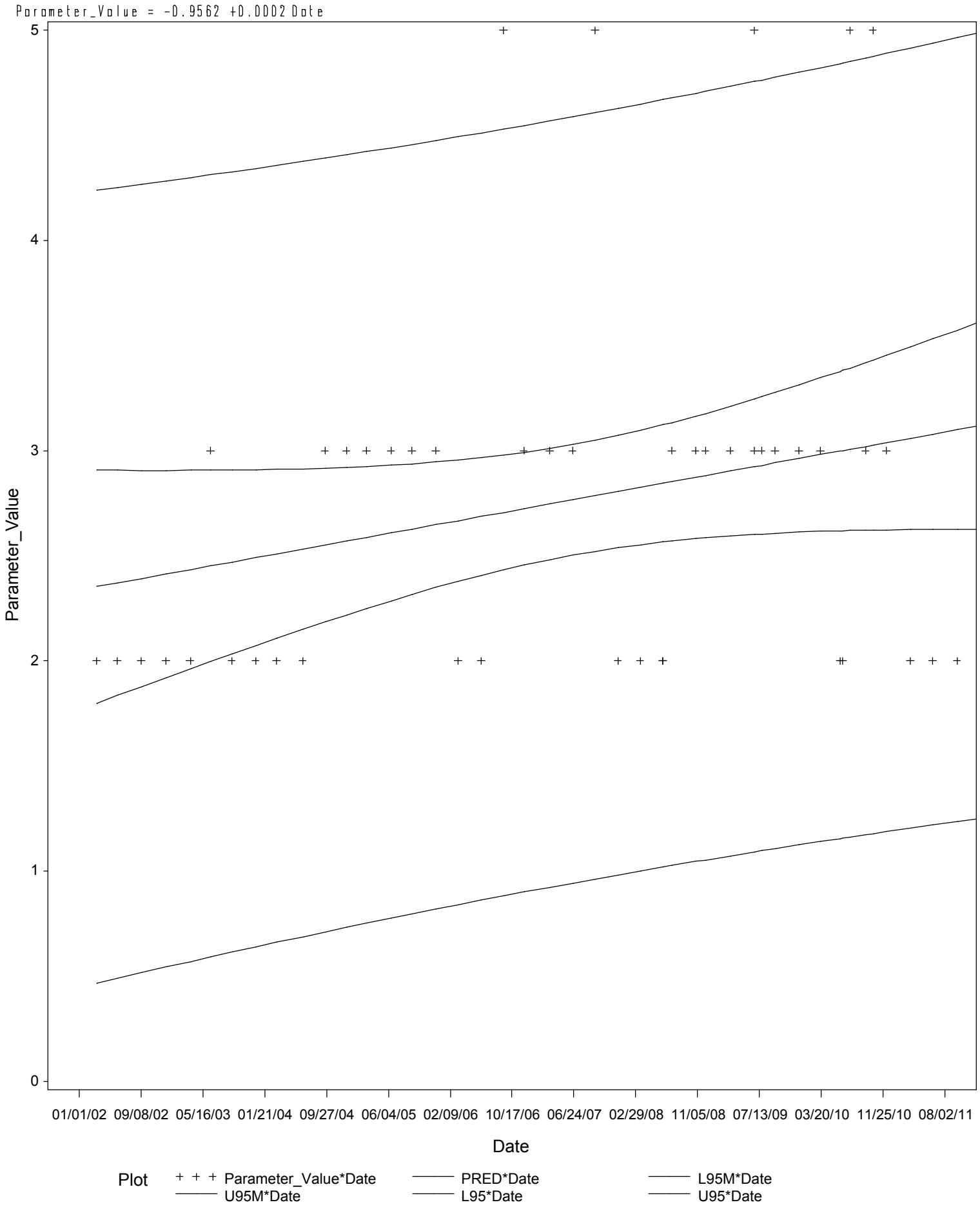
Upper Pecos River

Parameter=CHROMIUM, DISSOLVED (UG/L AS CR) Station=13260



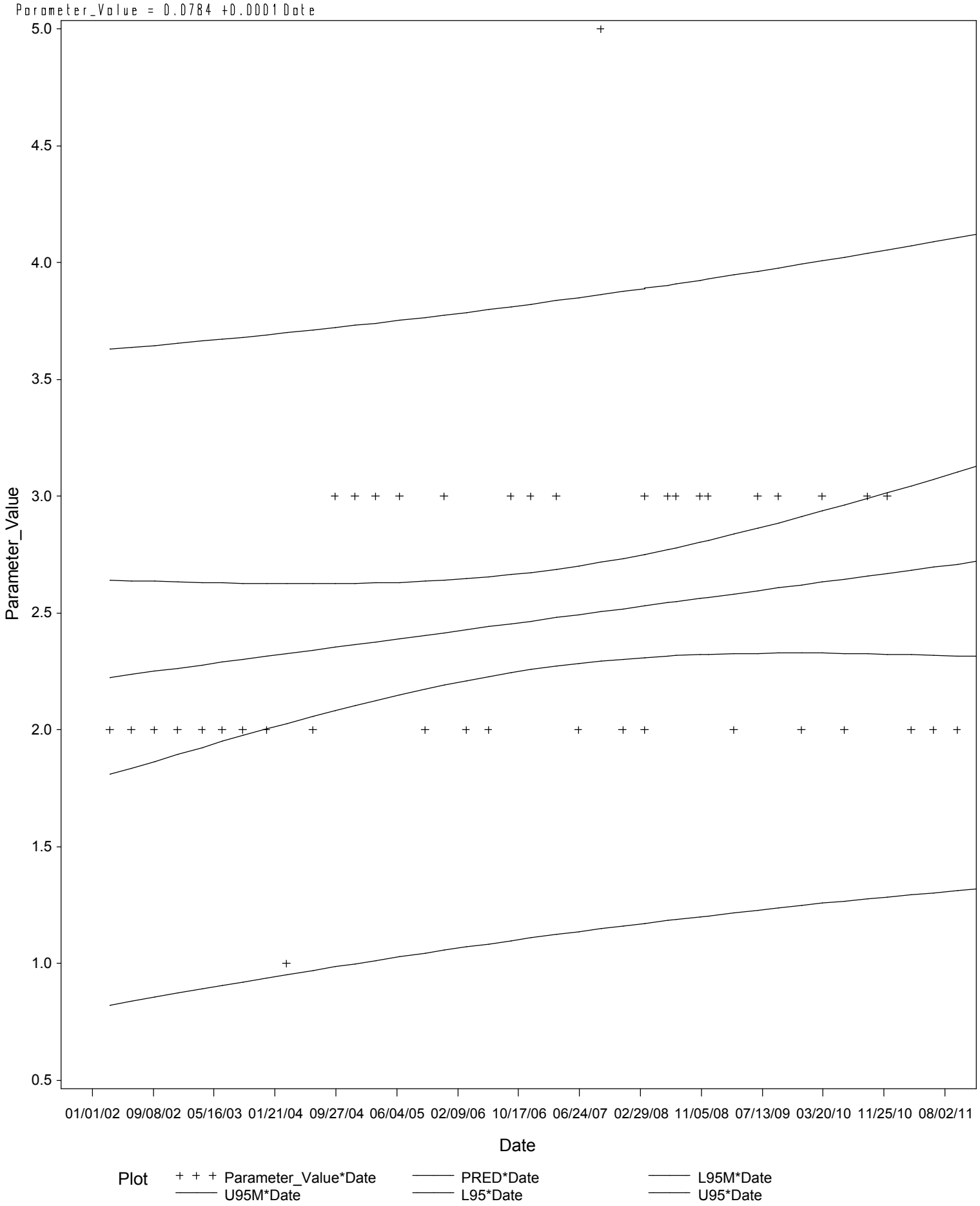
Upper Pecos River

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13257



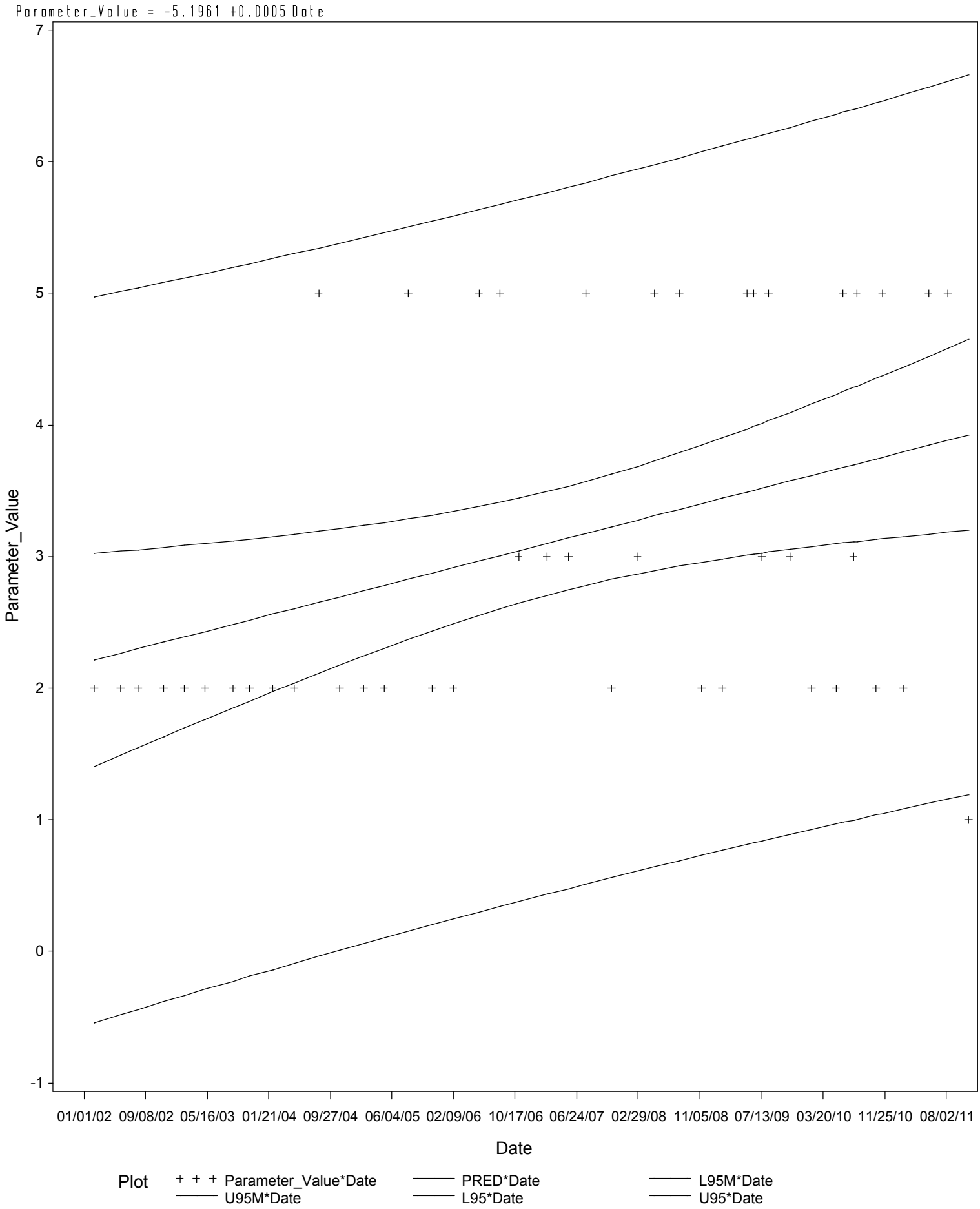
Upper Pecos River

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13260



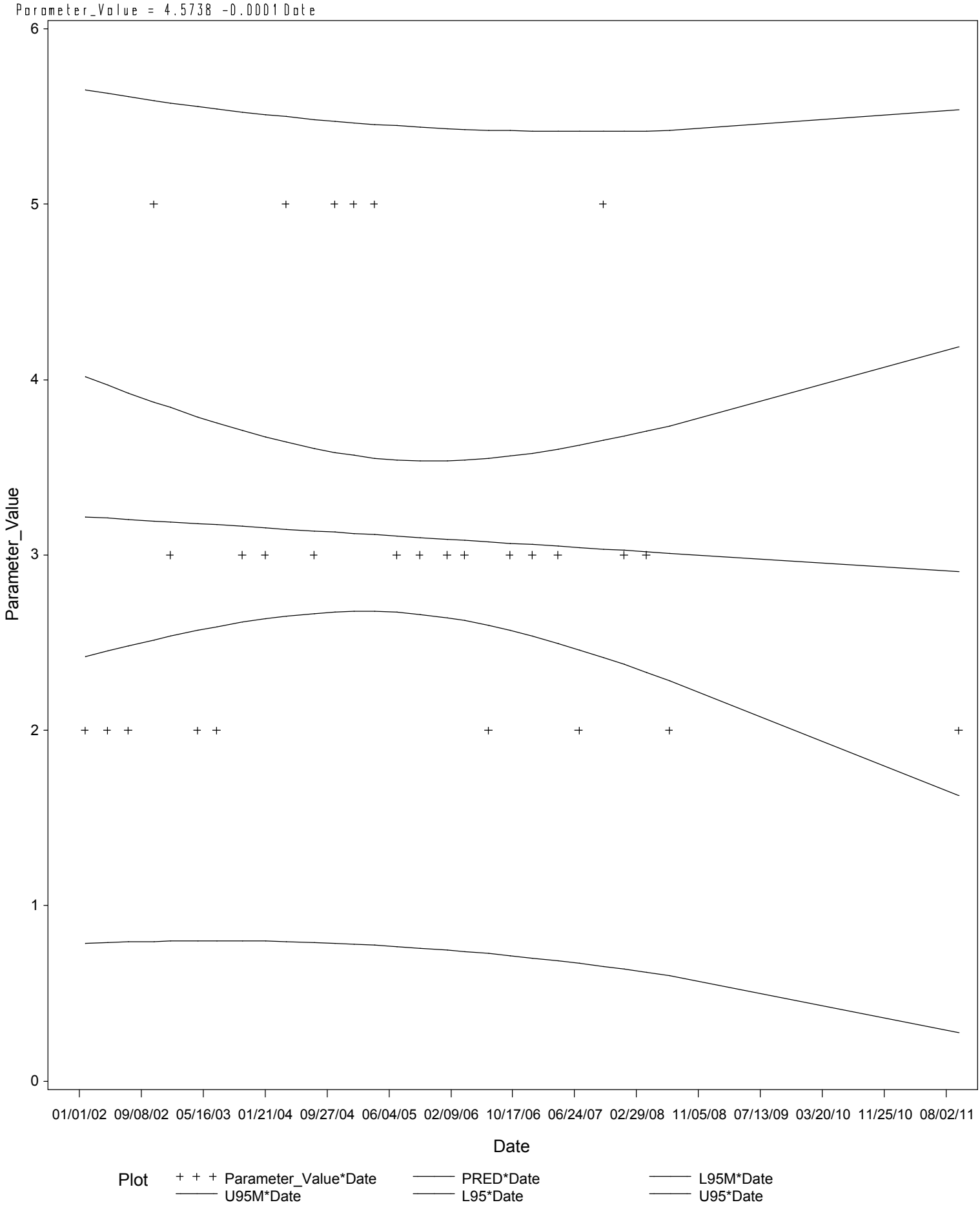
Upper Pecos River

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13265



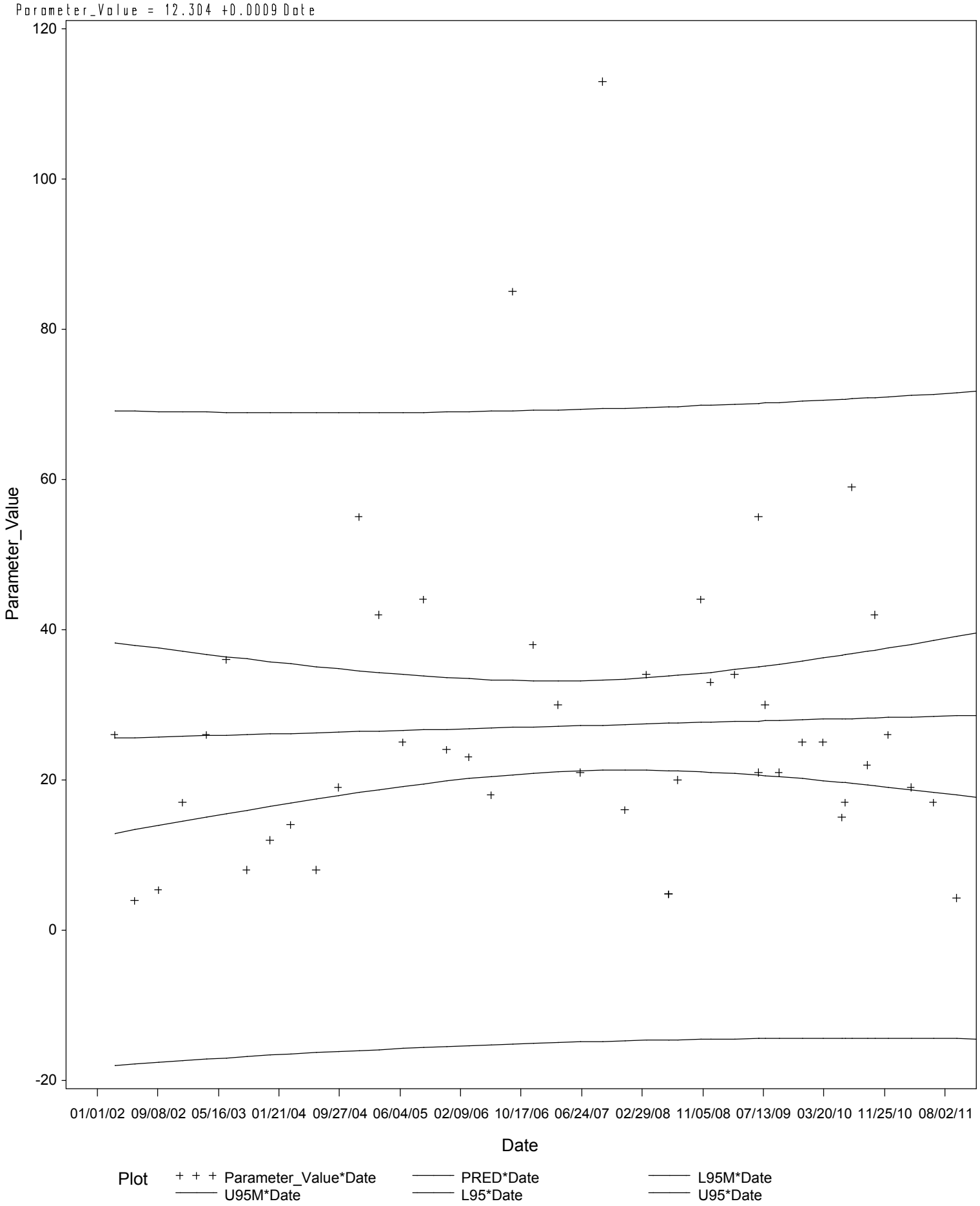
Upper Pecos River

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=15114



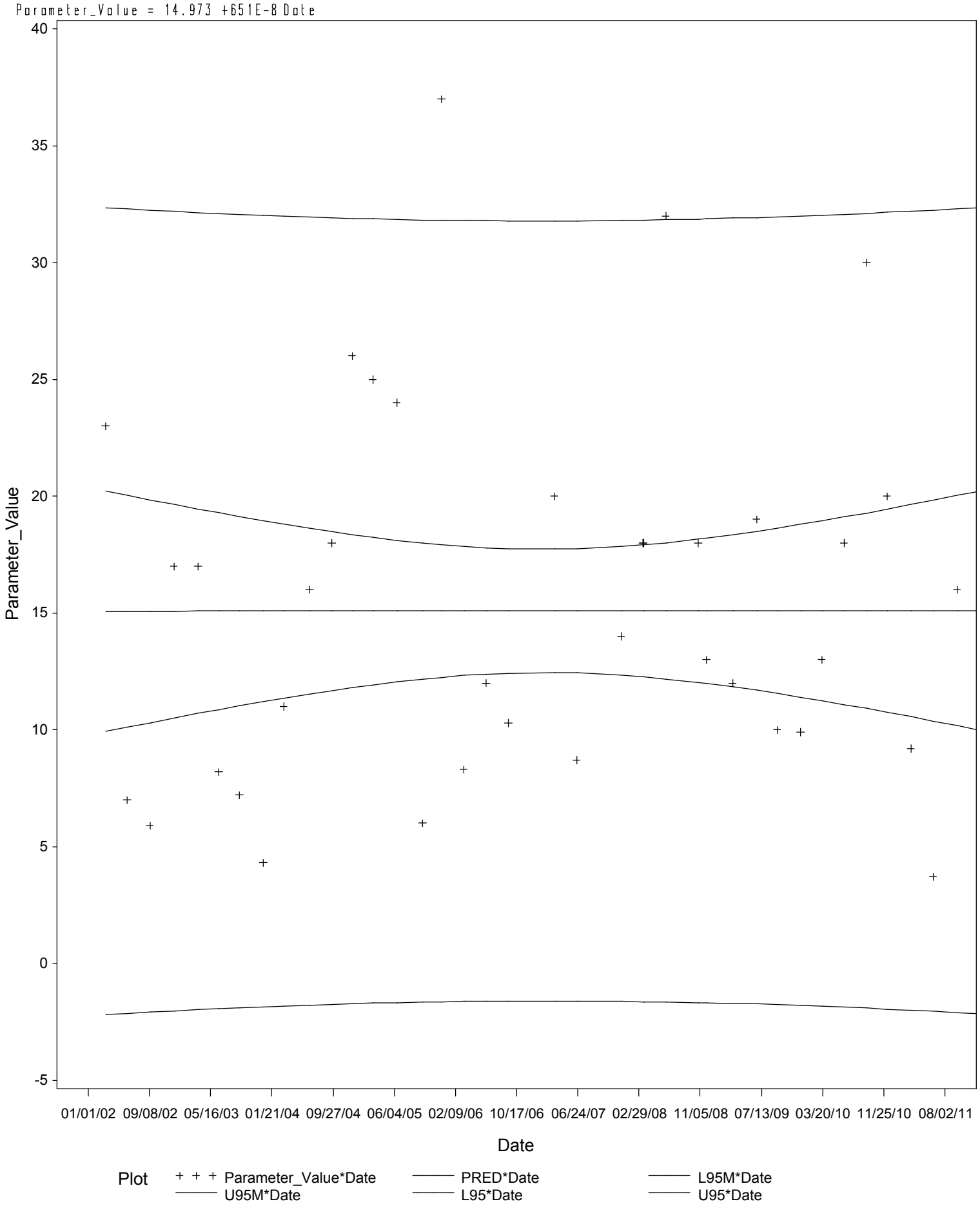
Upper Pecos River

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13257



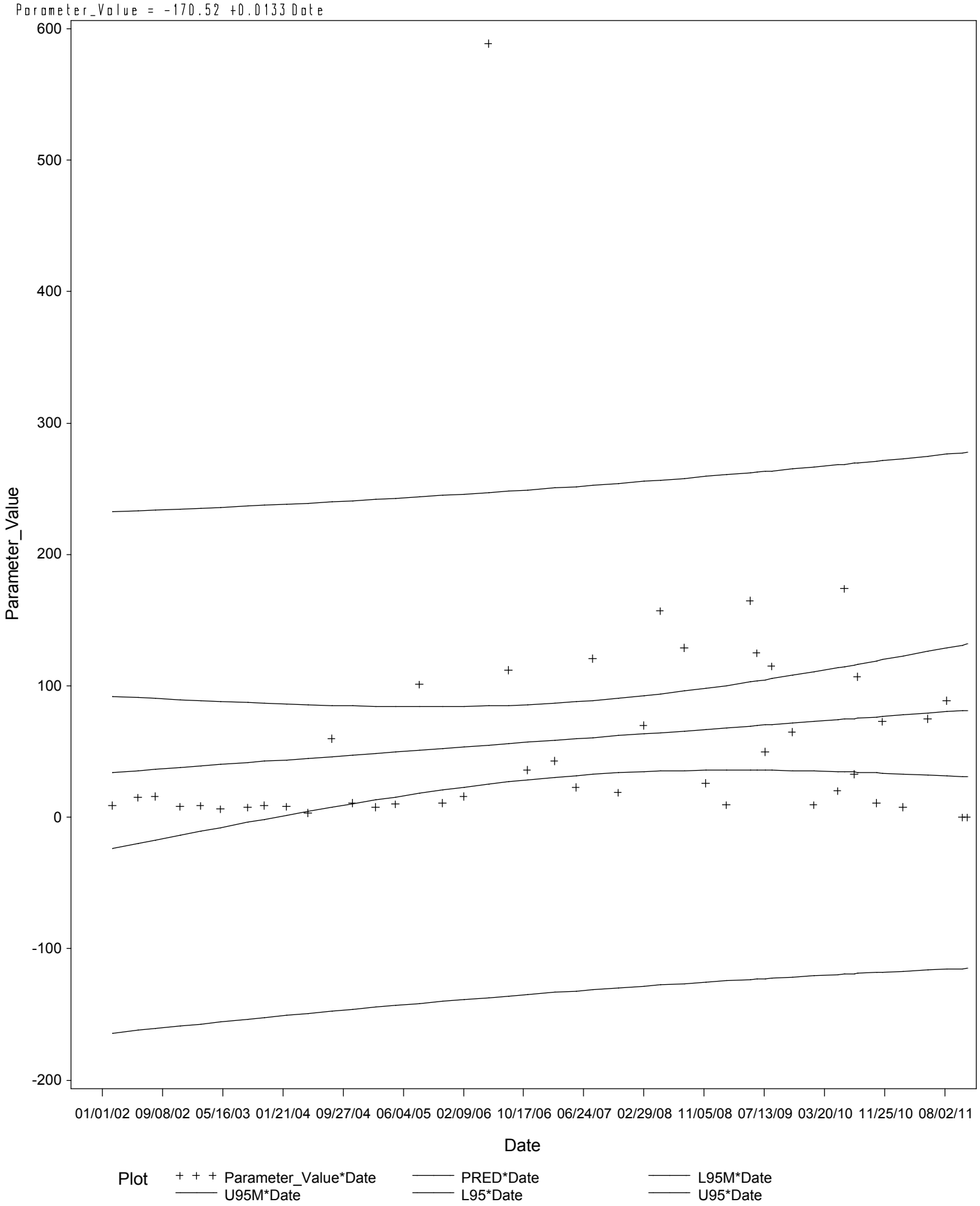
Upper Pecos River

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13260



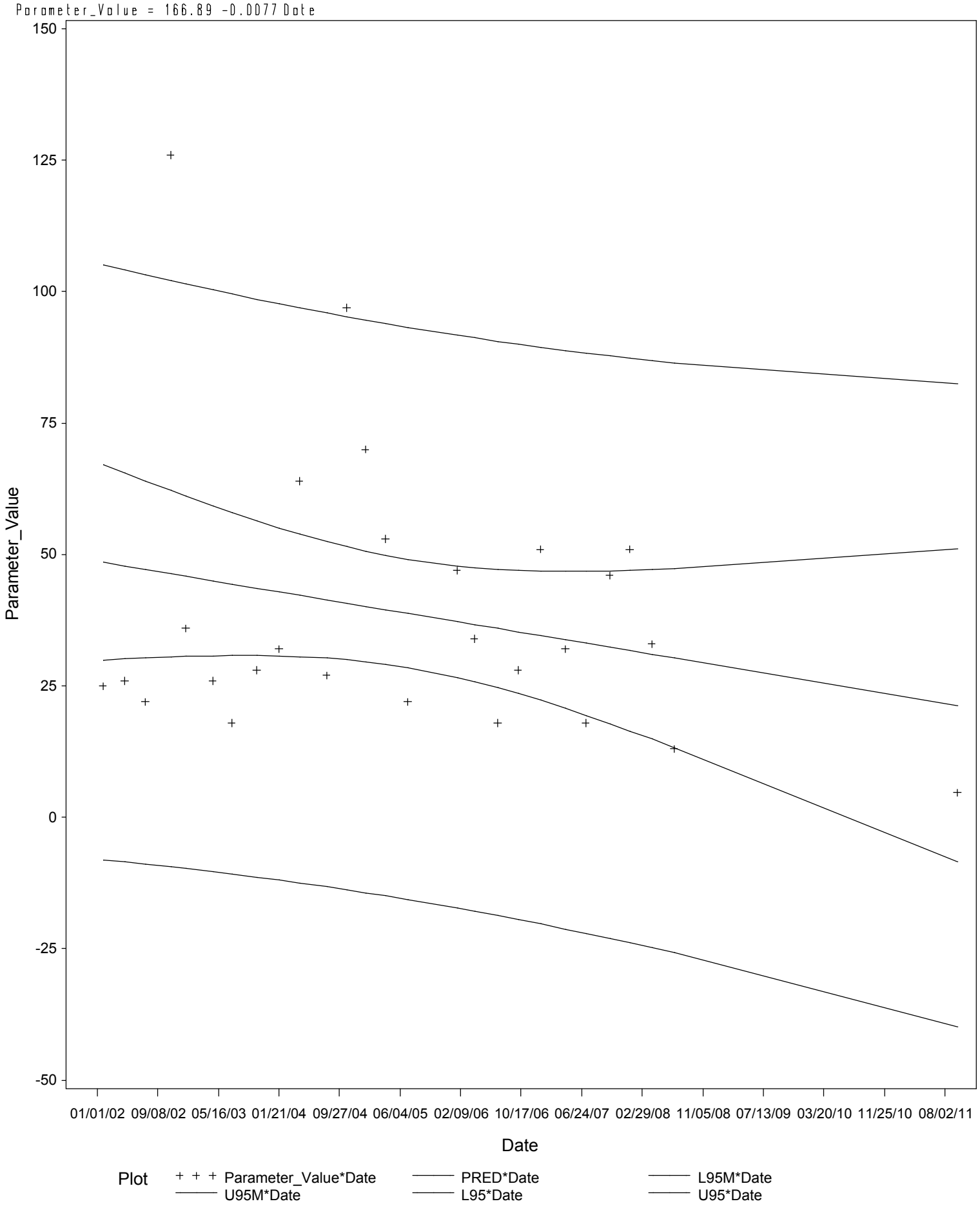
Upper Pecos River

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13265



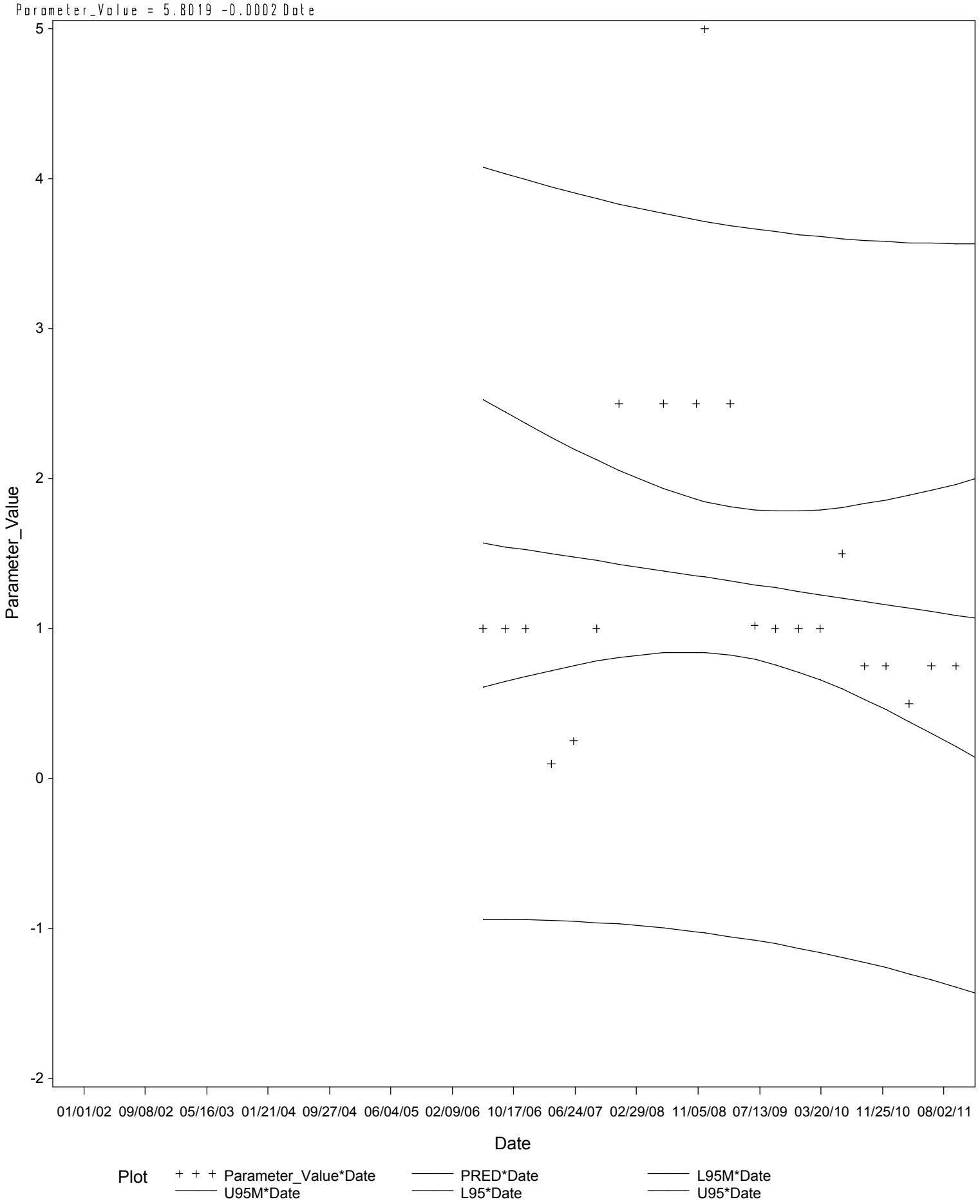
Upper Pecos River

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=15114



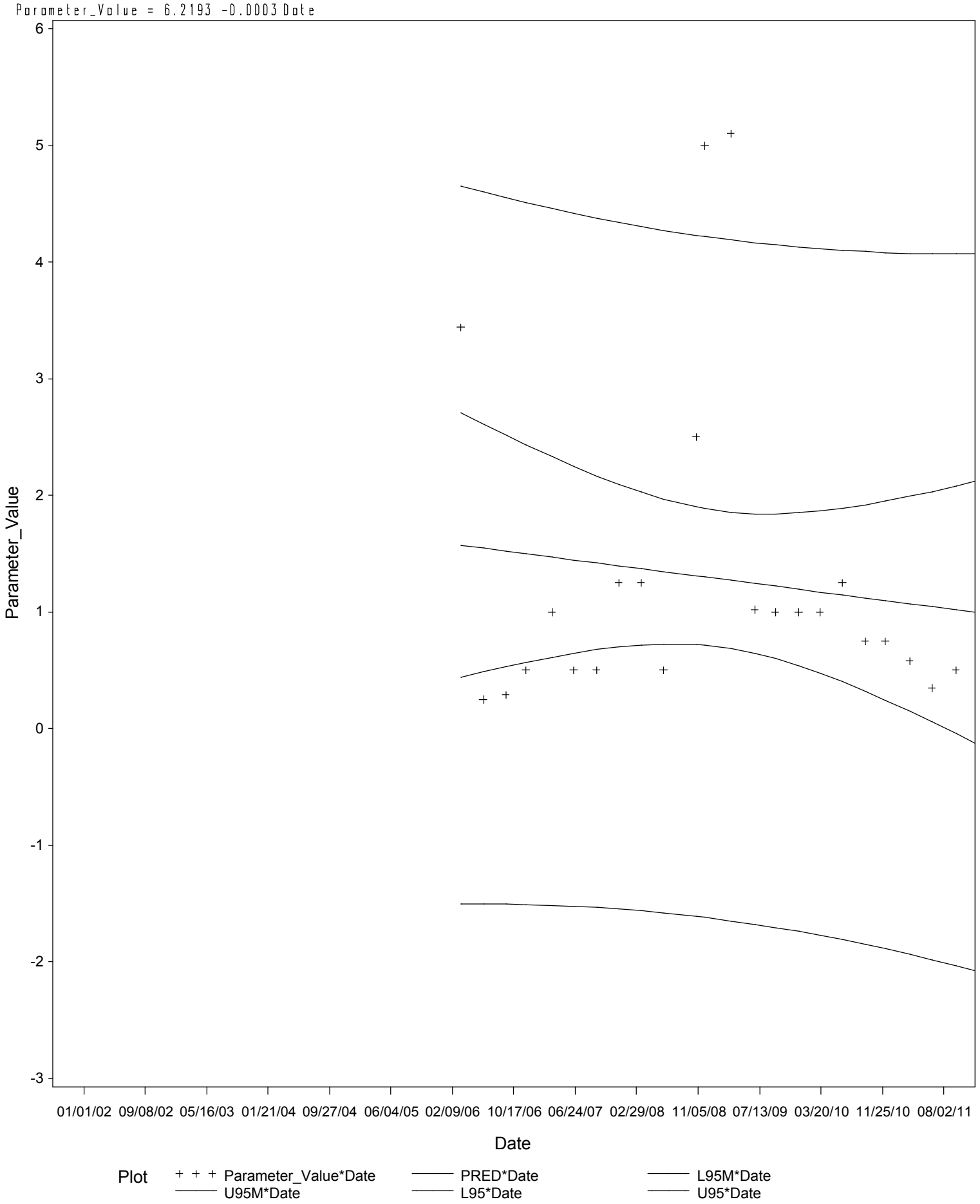
Upper Pecos River

Parameter=LEAD, DISSOLVED (UG/L AS PB) Station=13257



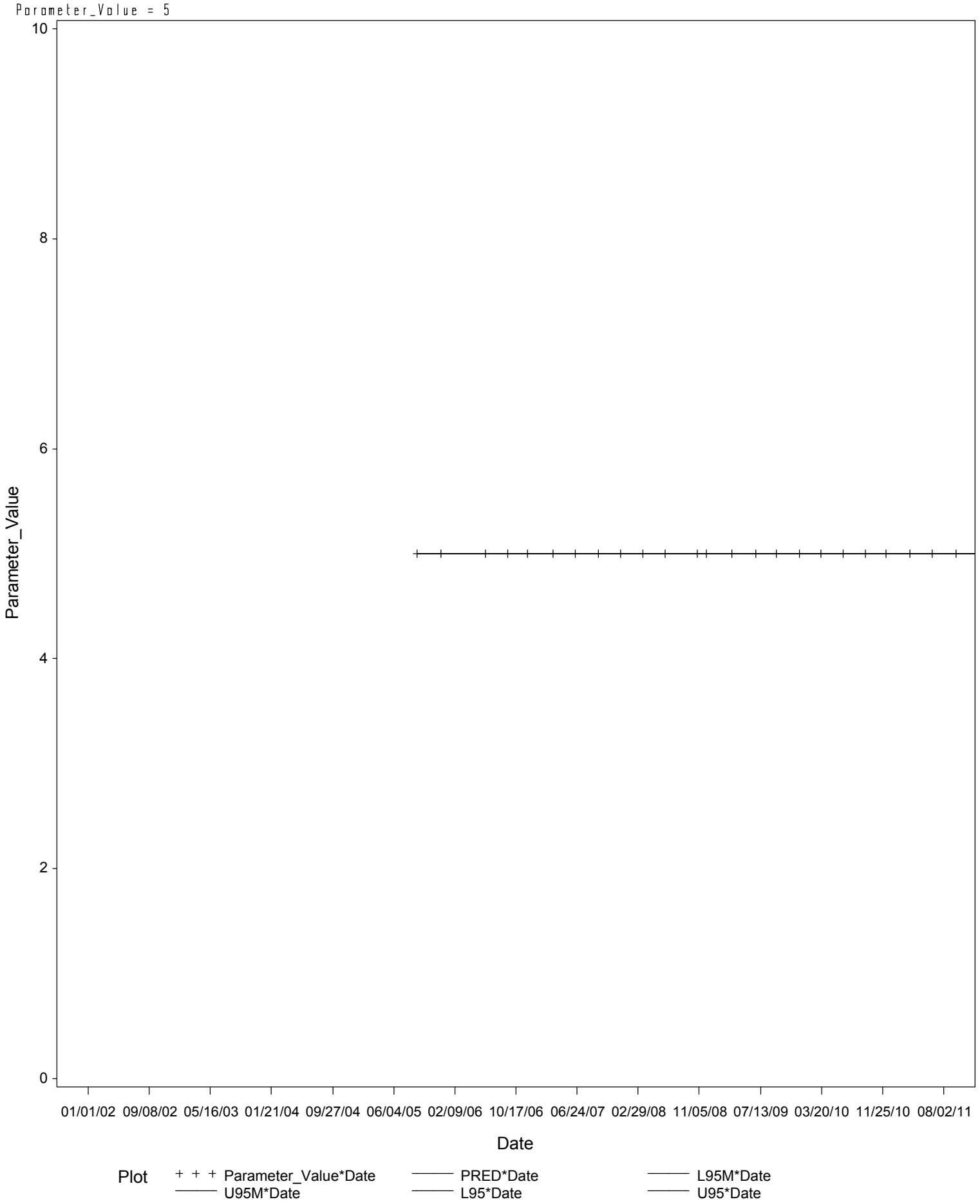
Upper Pecos River

Parameter=LEAD, DISSOLVED (UG/L AS PB) Station=13260



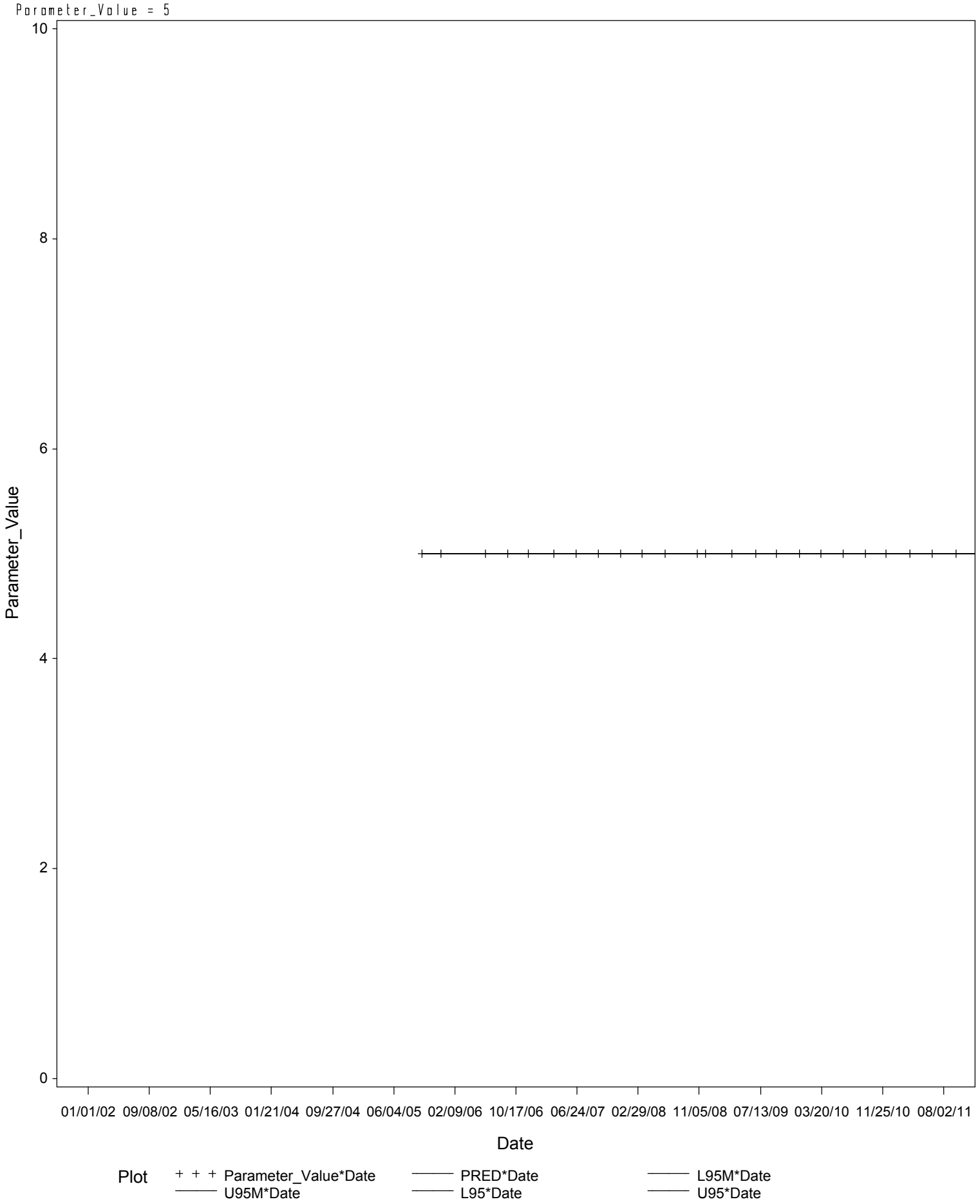
Upper Pecos River

Parameter=NICKEL, DISSOLVED (UG/L AS NI) Station=13257



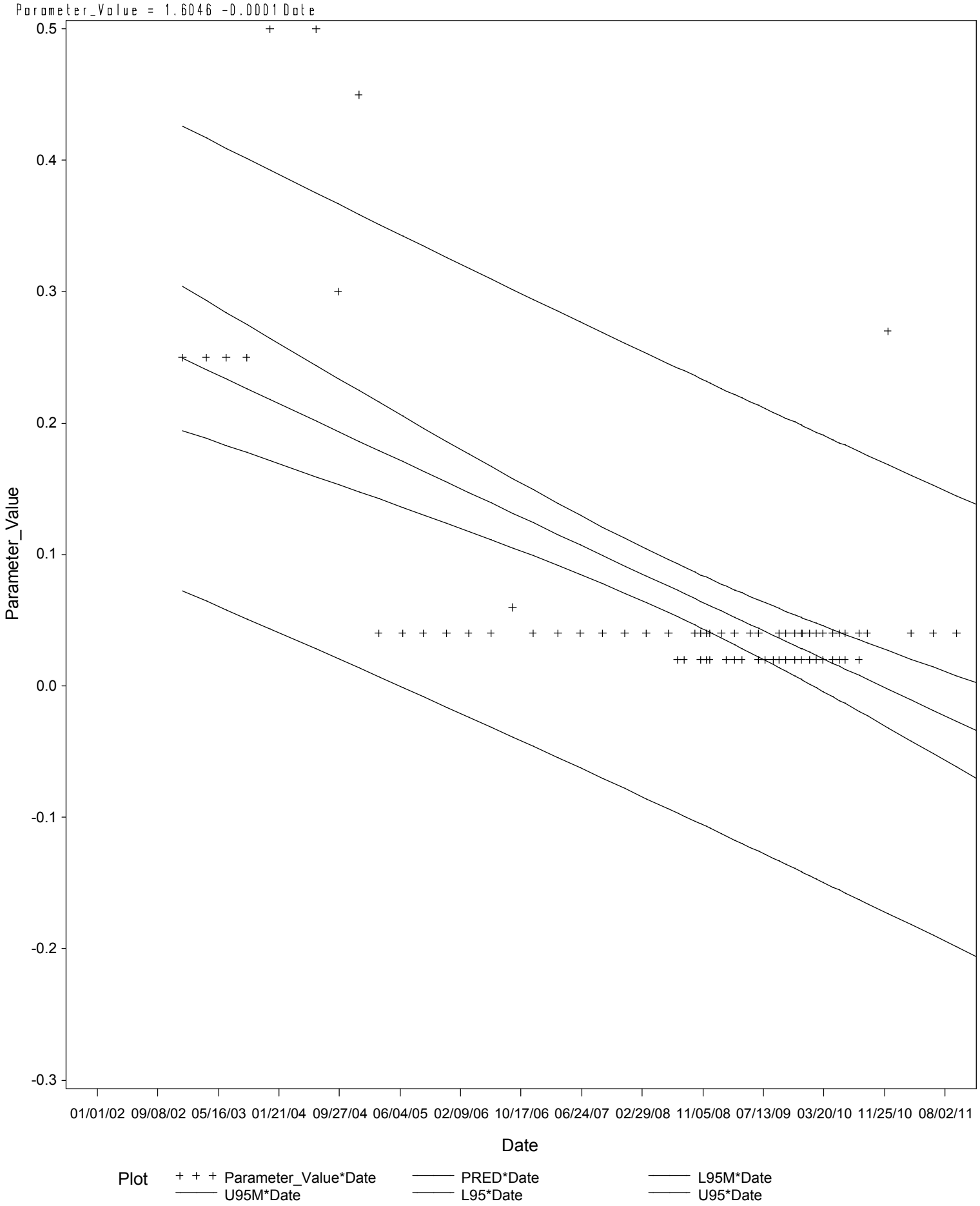
Upper Pecos River

Parameter=NICKEL, DISSOLVED (UG/L AS NI) Station=13260



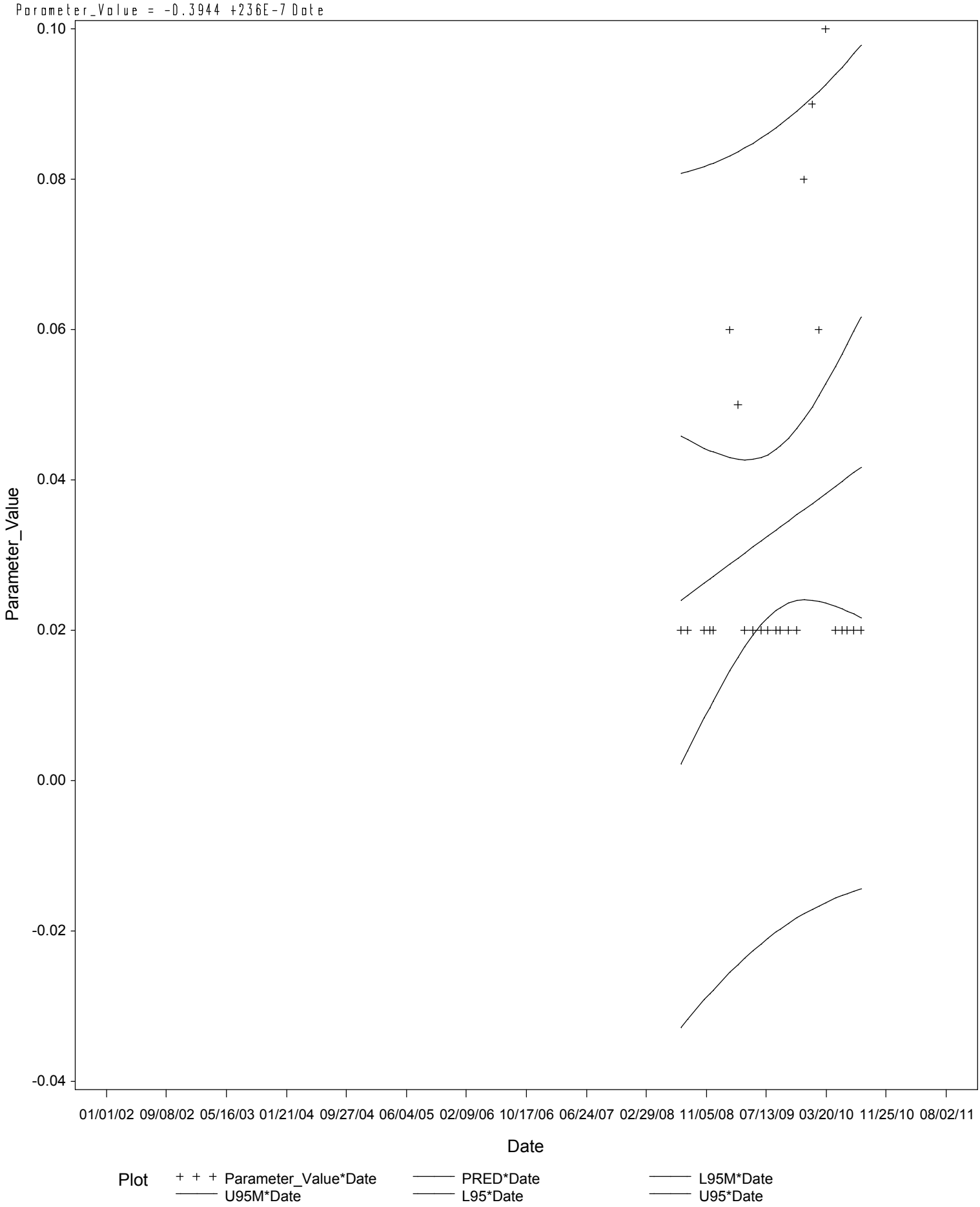
Upper Pecos River

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13257



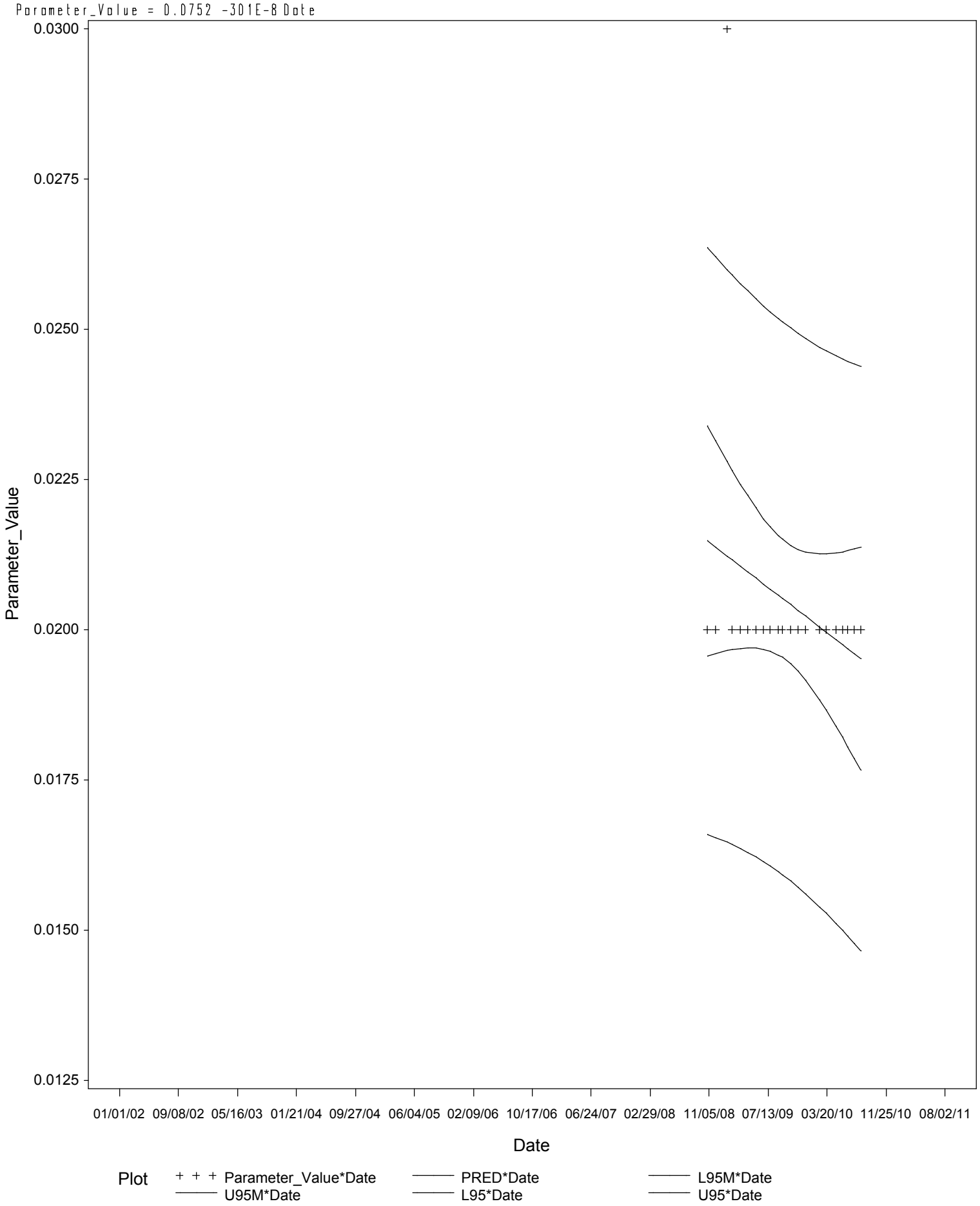
Upper Pecos River

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13258



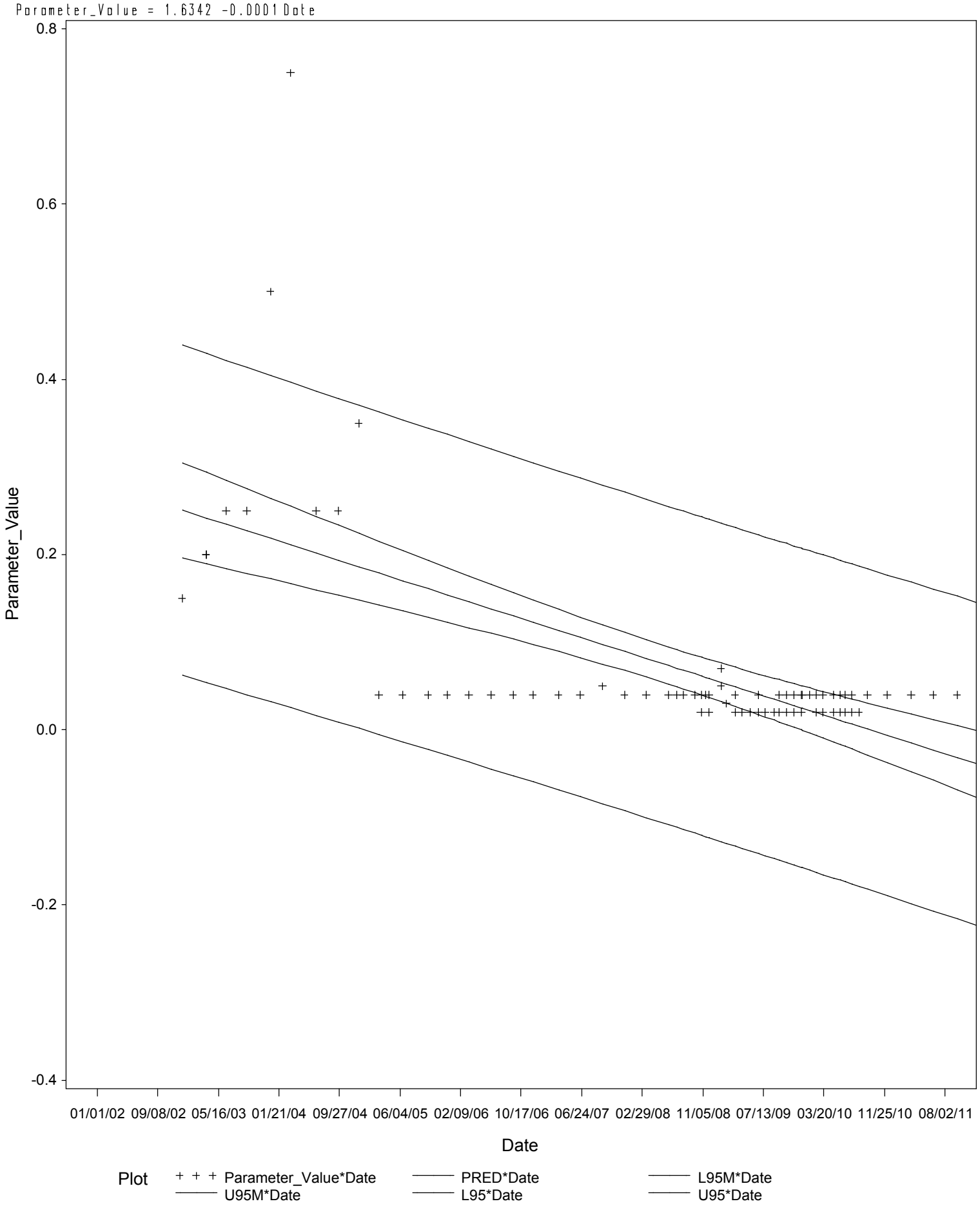
Upper Pecos River

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13259



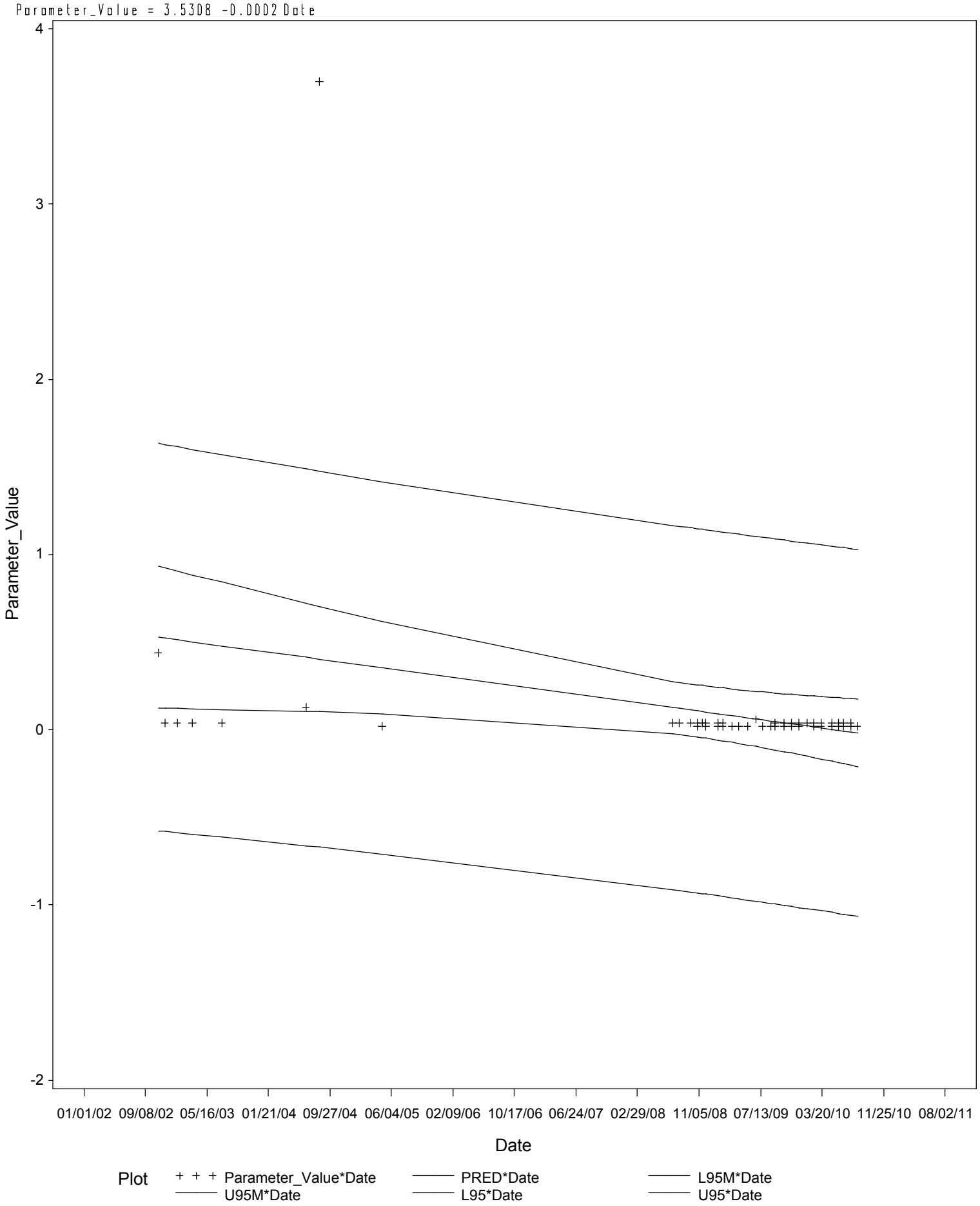
Upper Pecos River

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13260



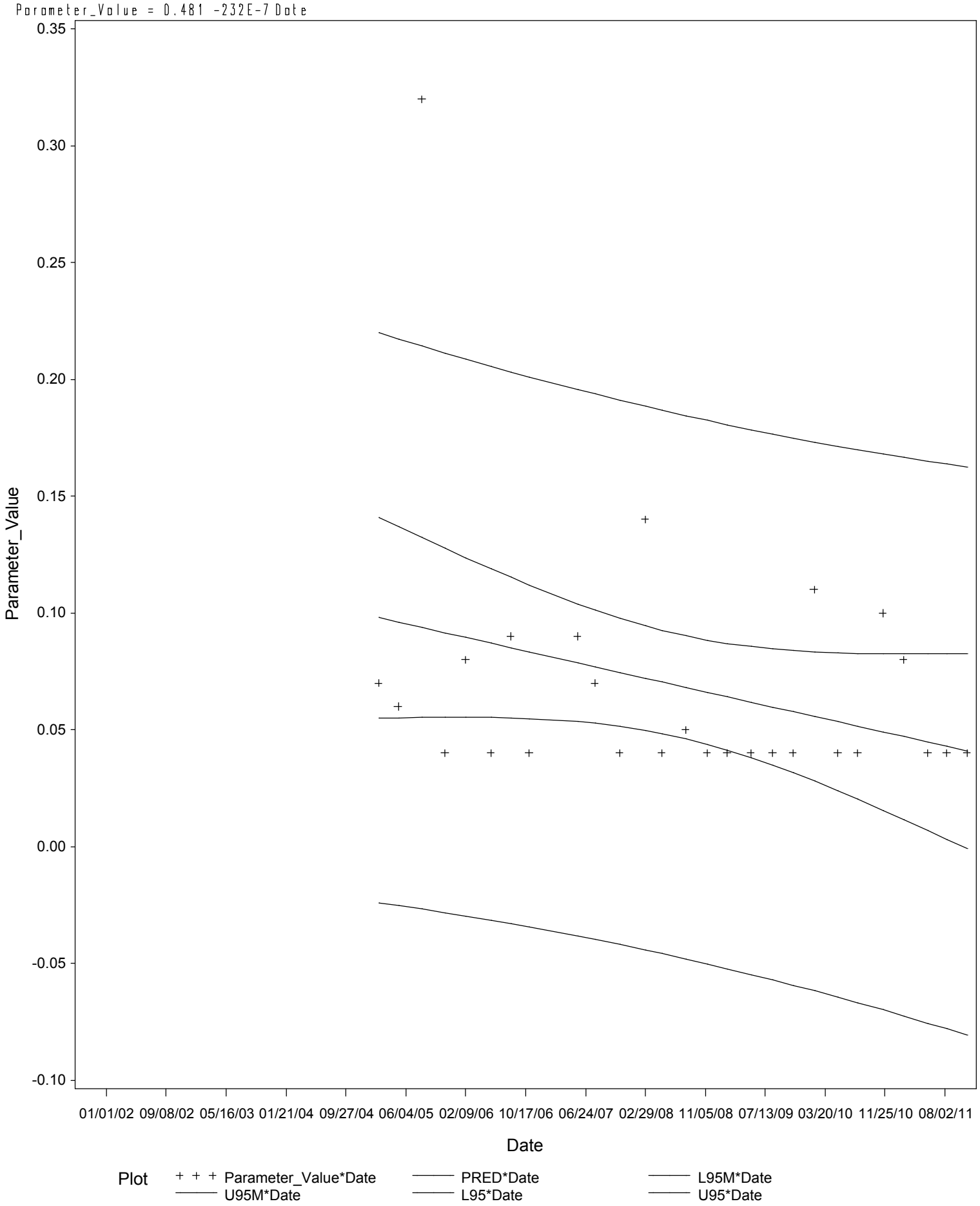
Upper Pecos River

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13261



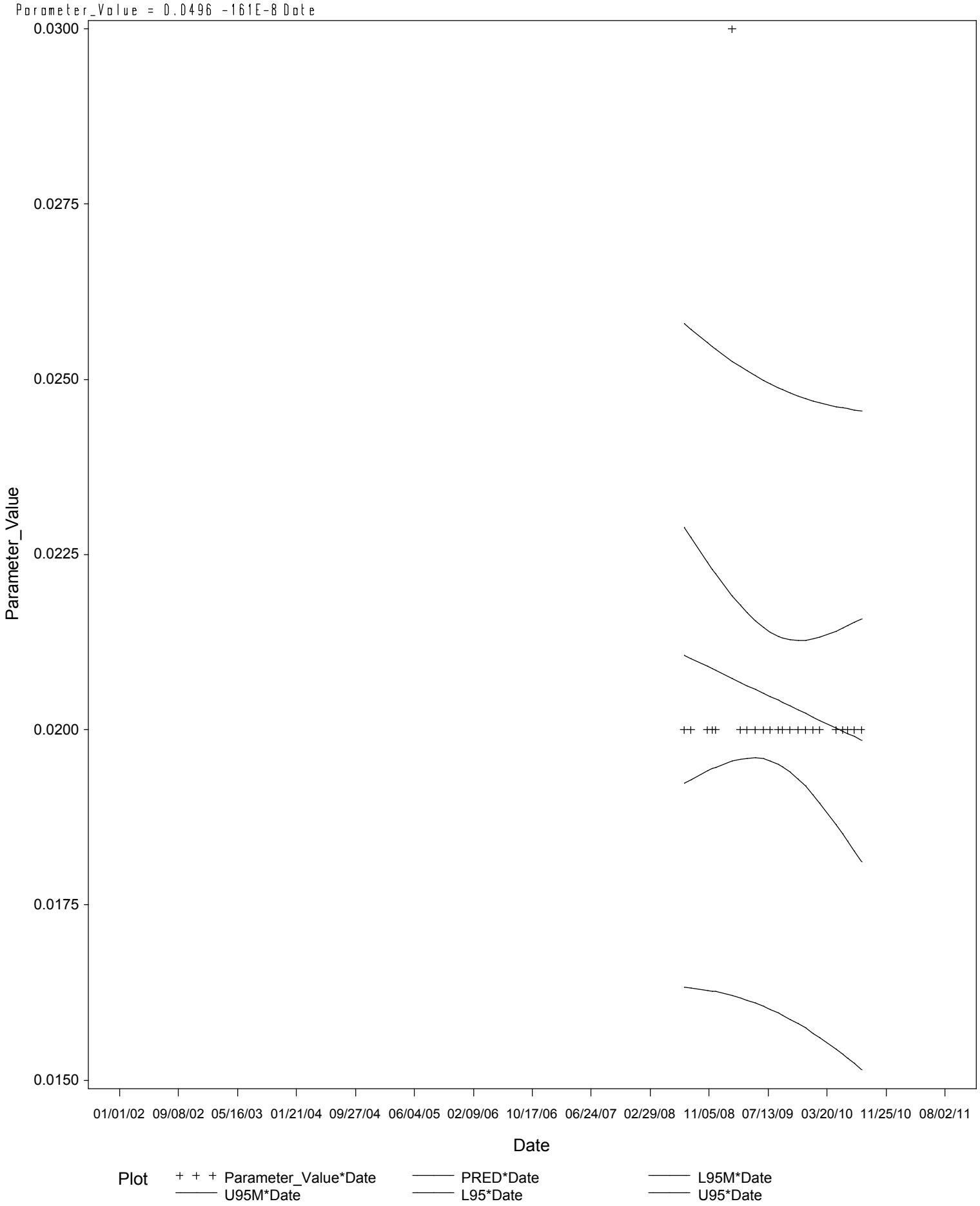
Upper Pecos River

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13265



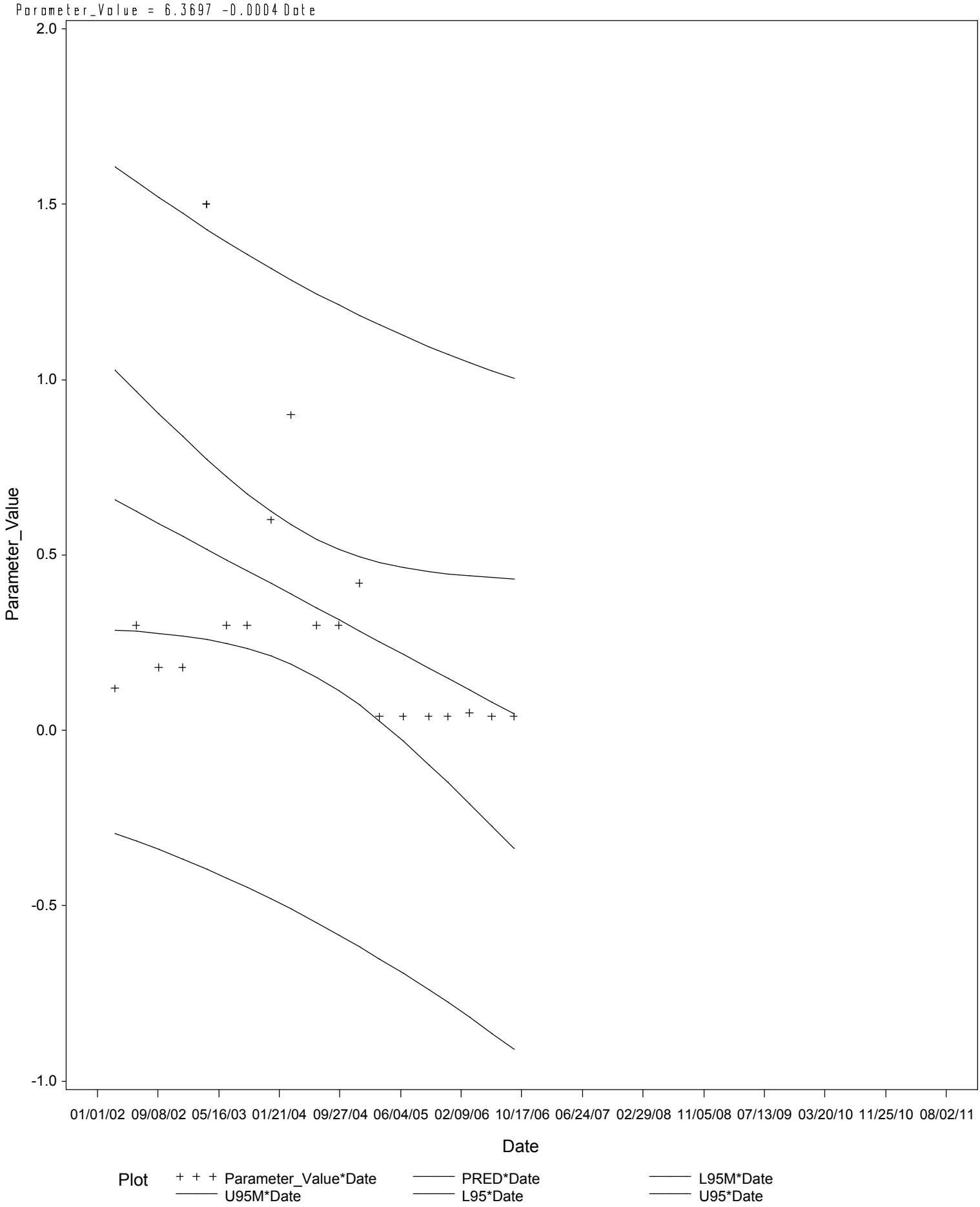
Upper Pecos River

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=20399



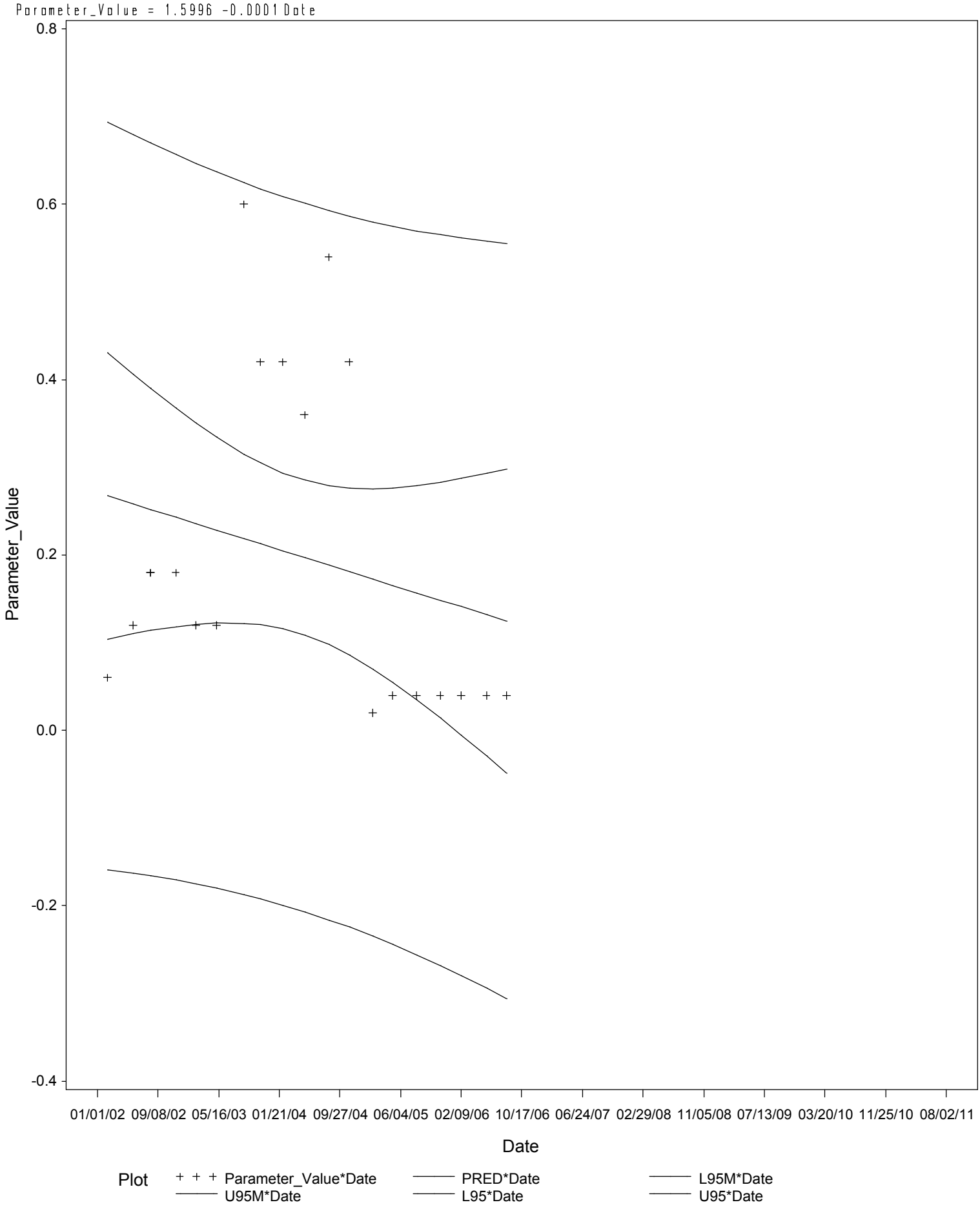
Upper Pecos River

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13260



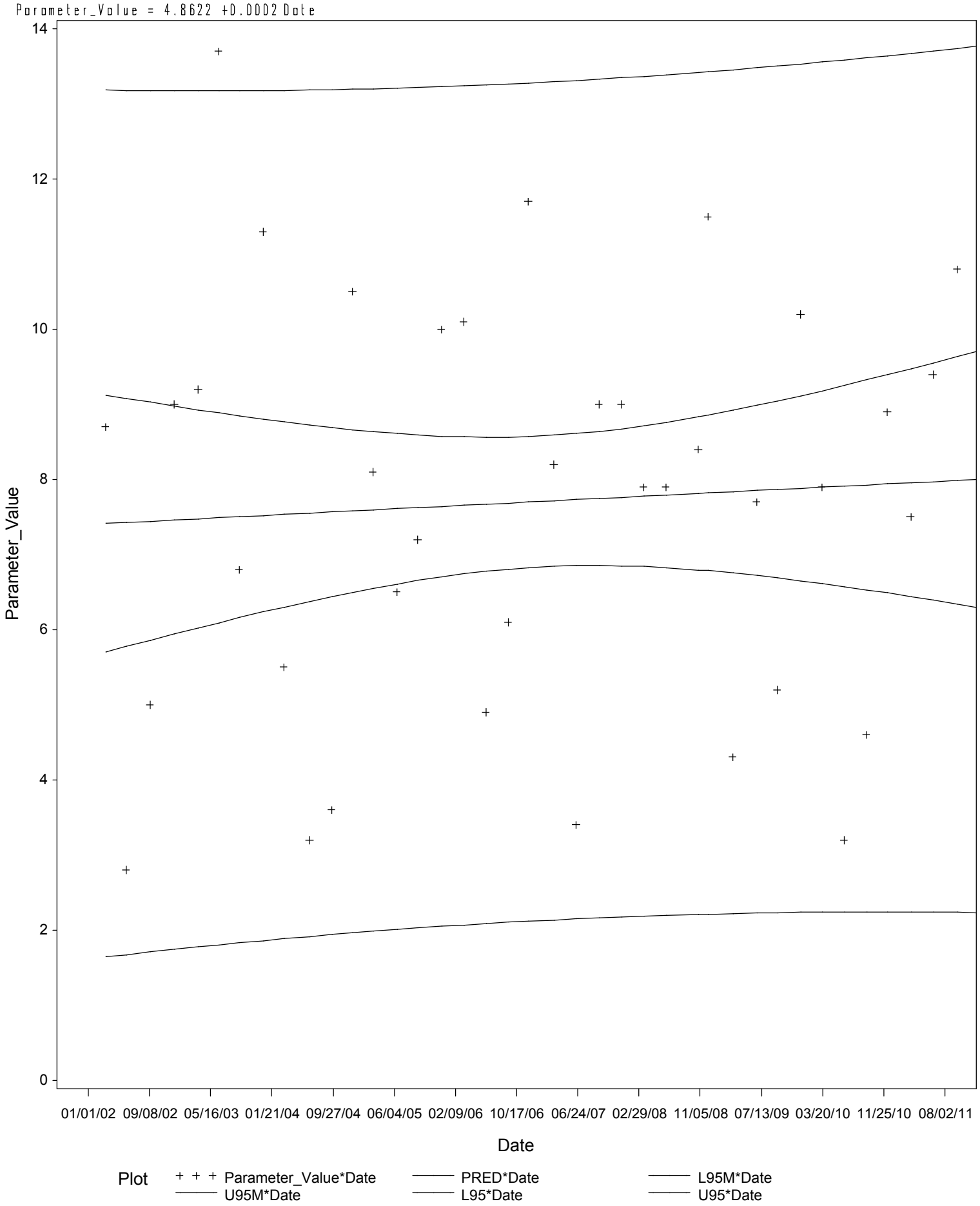
Upper Pecos River

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13265



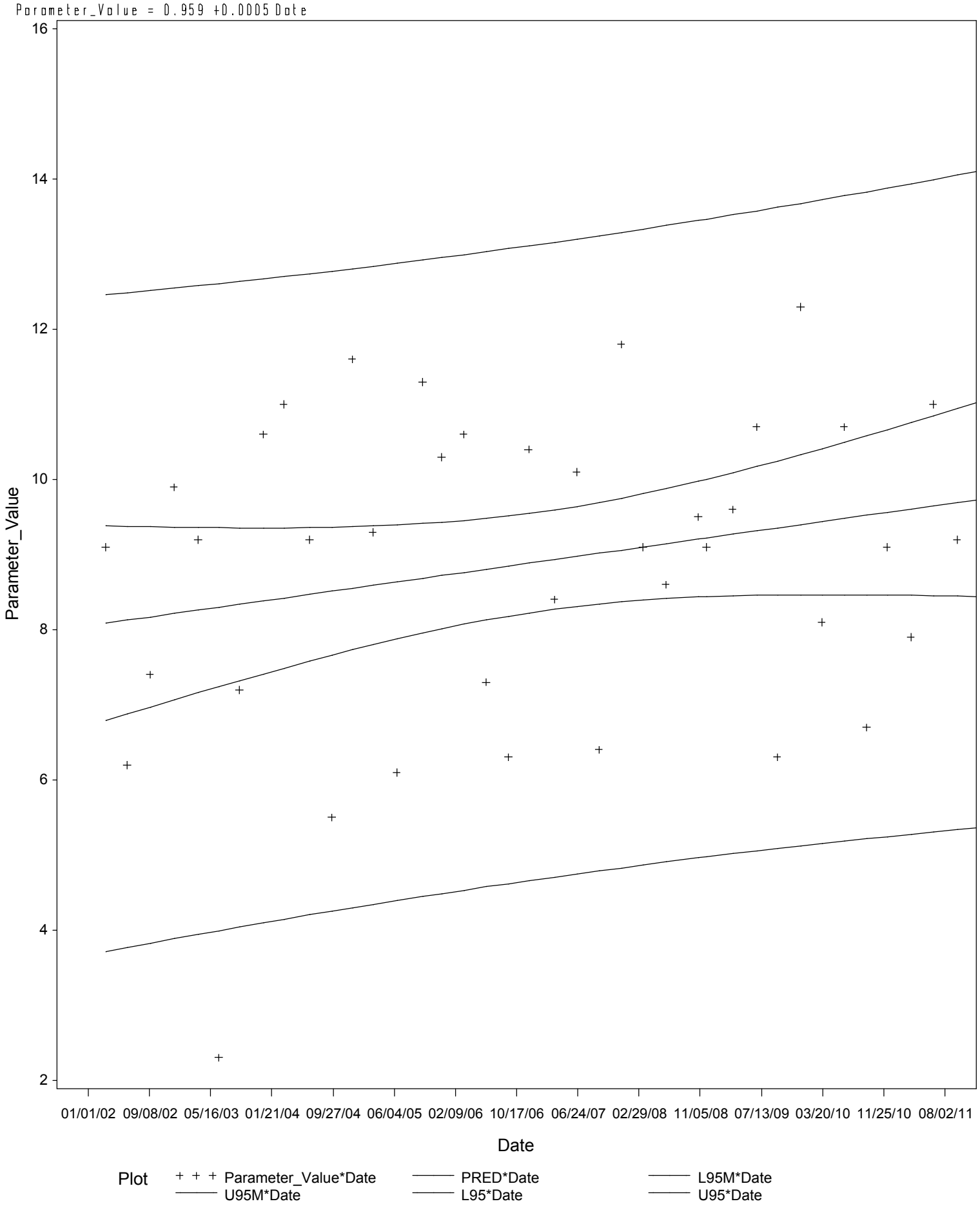
Upper Pecos River

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13257



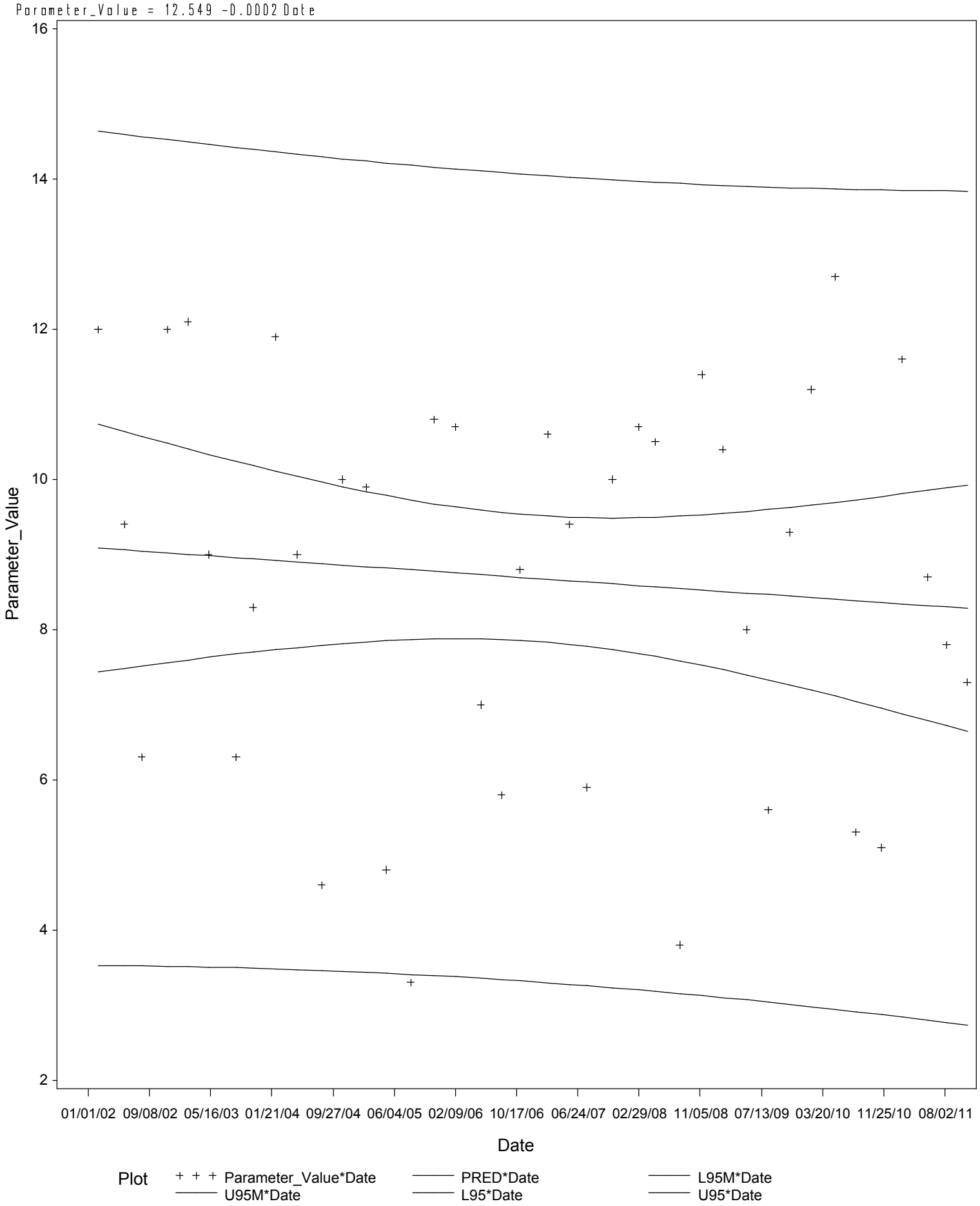
Upper Pecos River

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13260



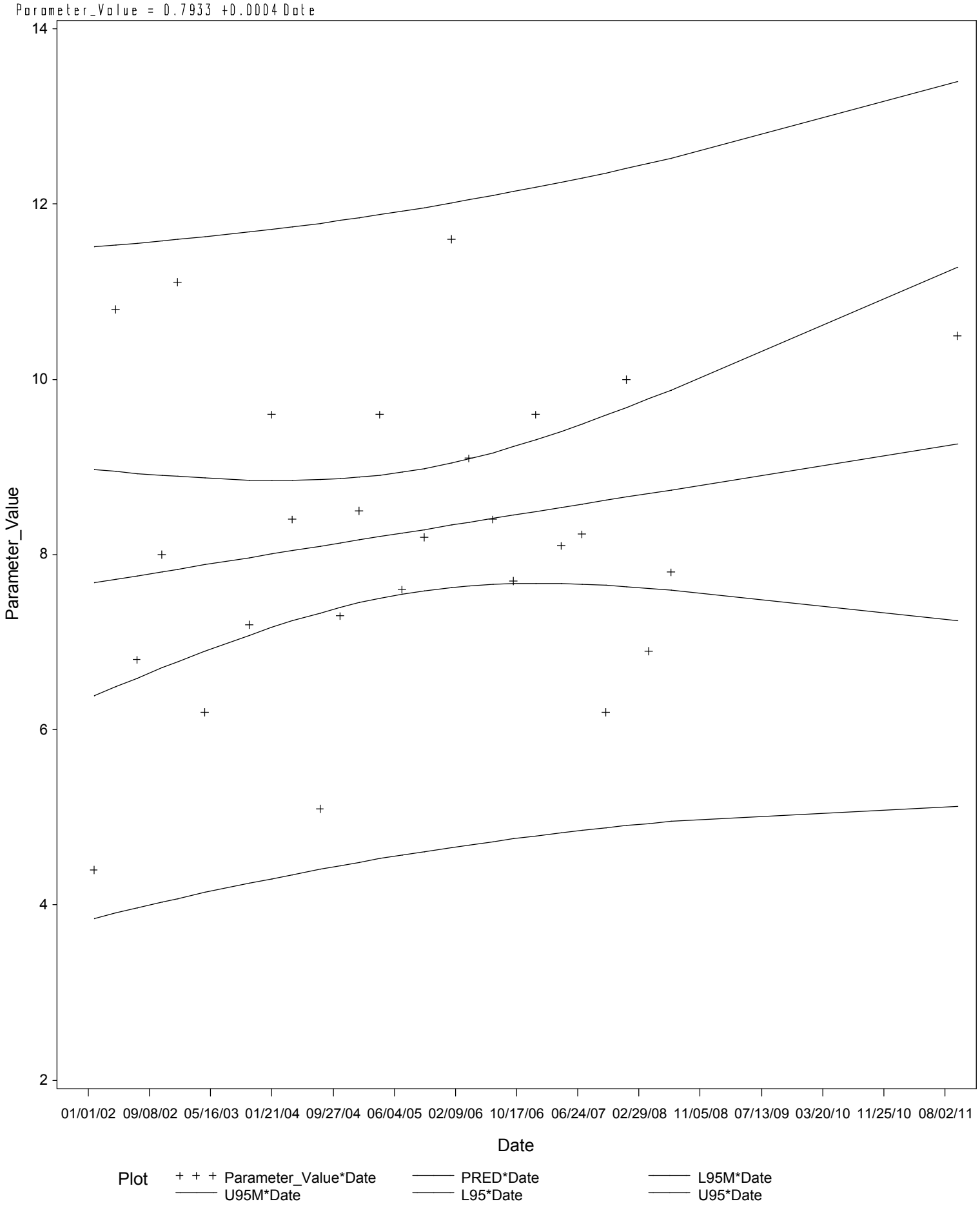
Upper Pecos River

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13265



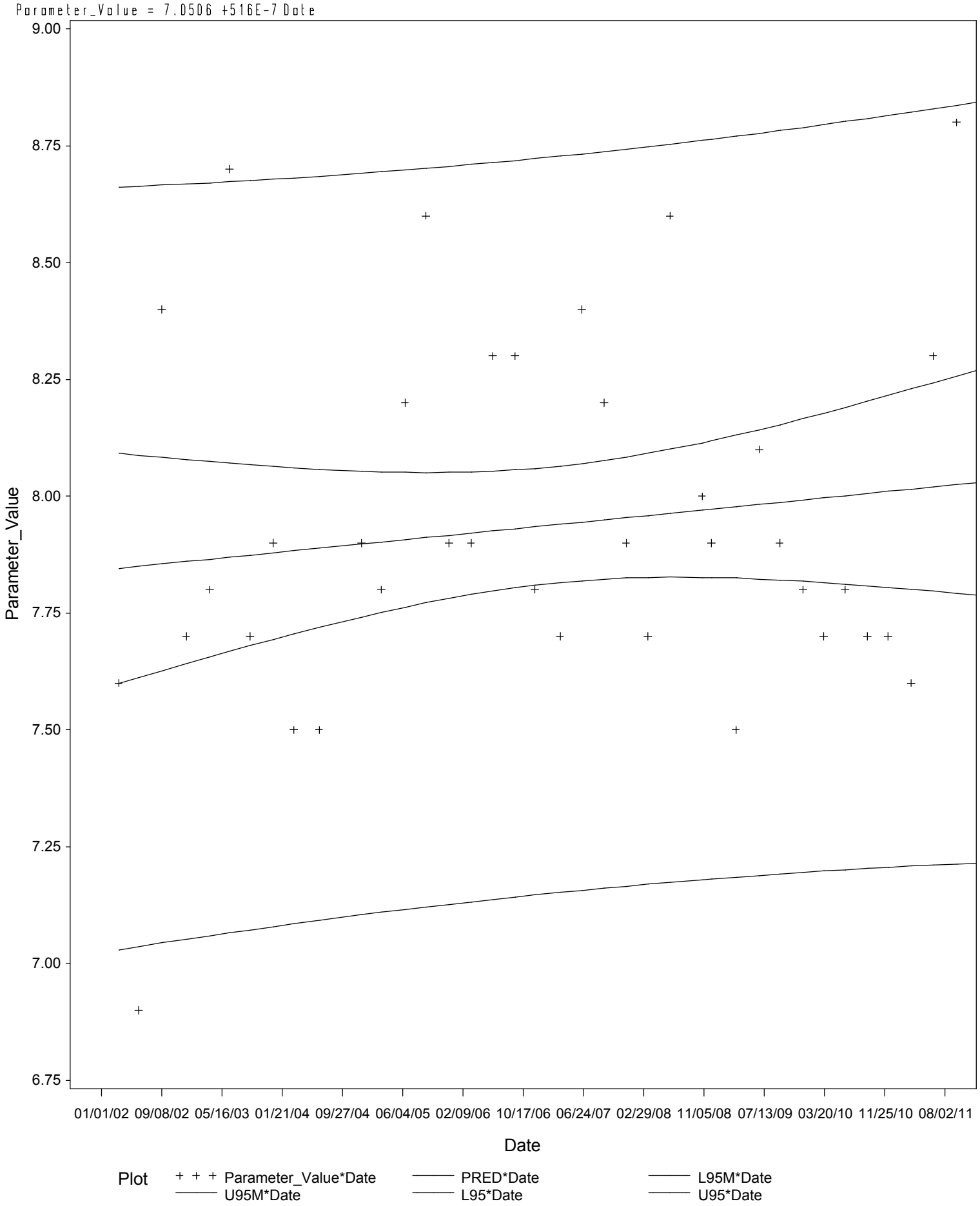
Upper Pecos River

Parameter=OXYGEN, DISSOLVED (MG/L) Station=15114



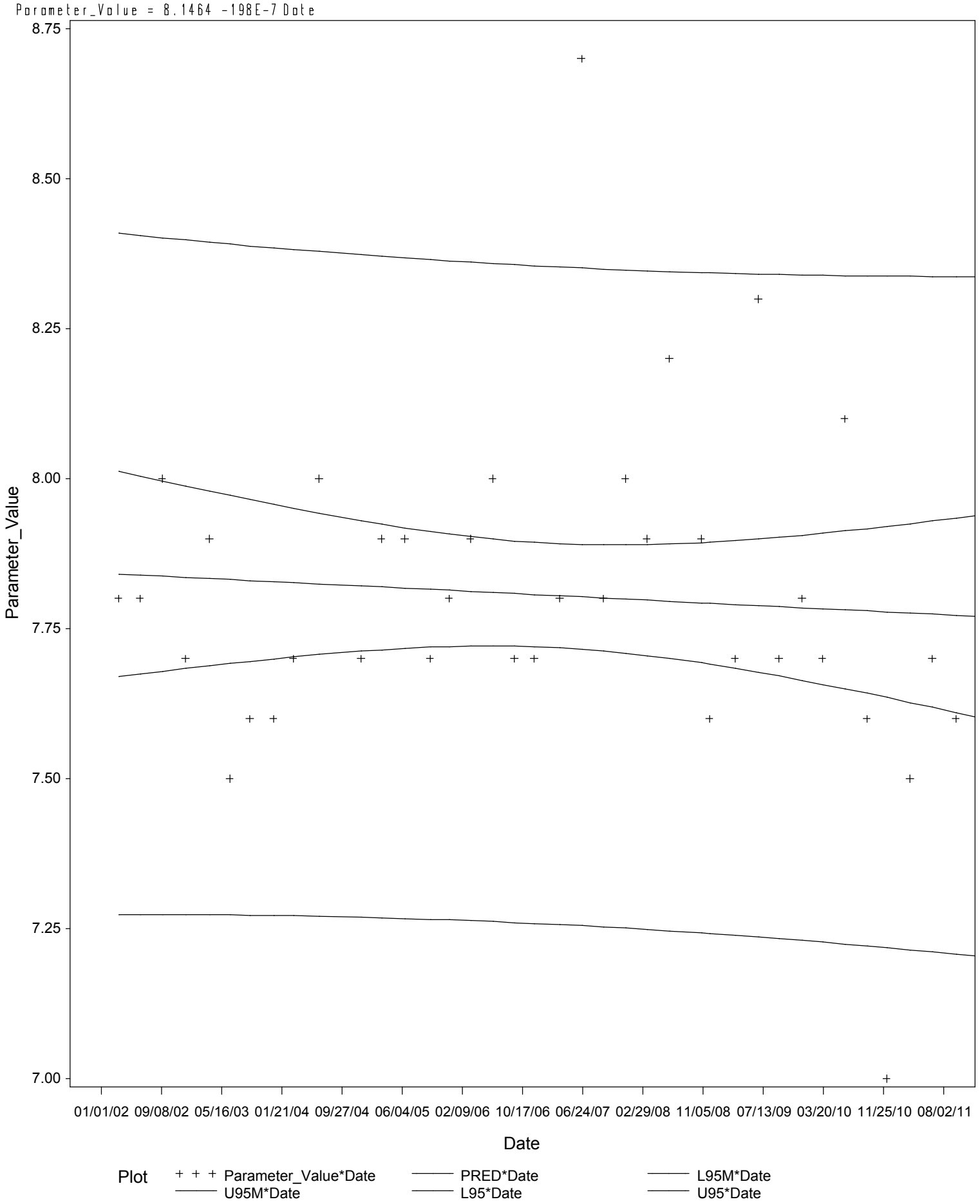
Upper Pecos River

Parameter=PH (STANDARD UNITS) Station=13257



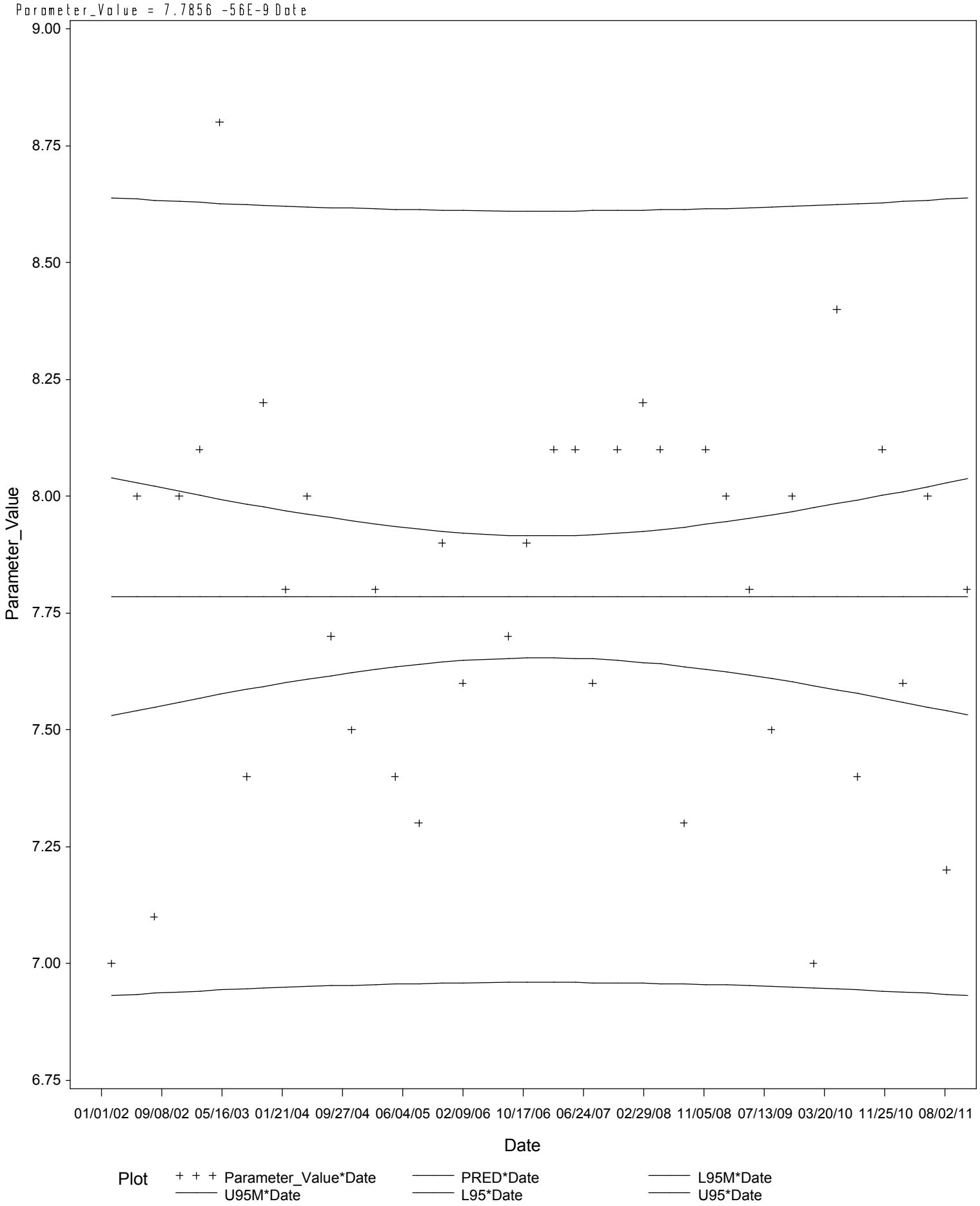
Upper Pecos River

Parameter=PH (STANDARD UNITS) Station=13260



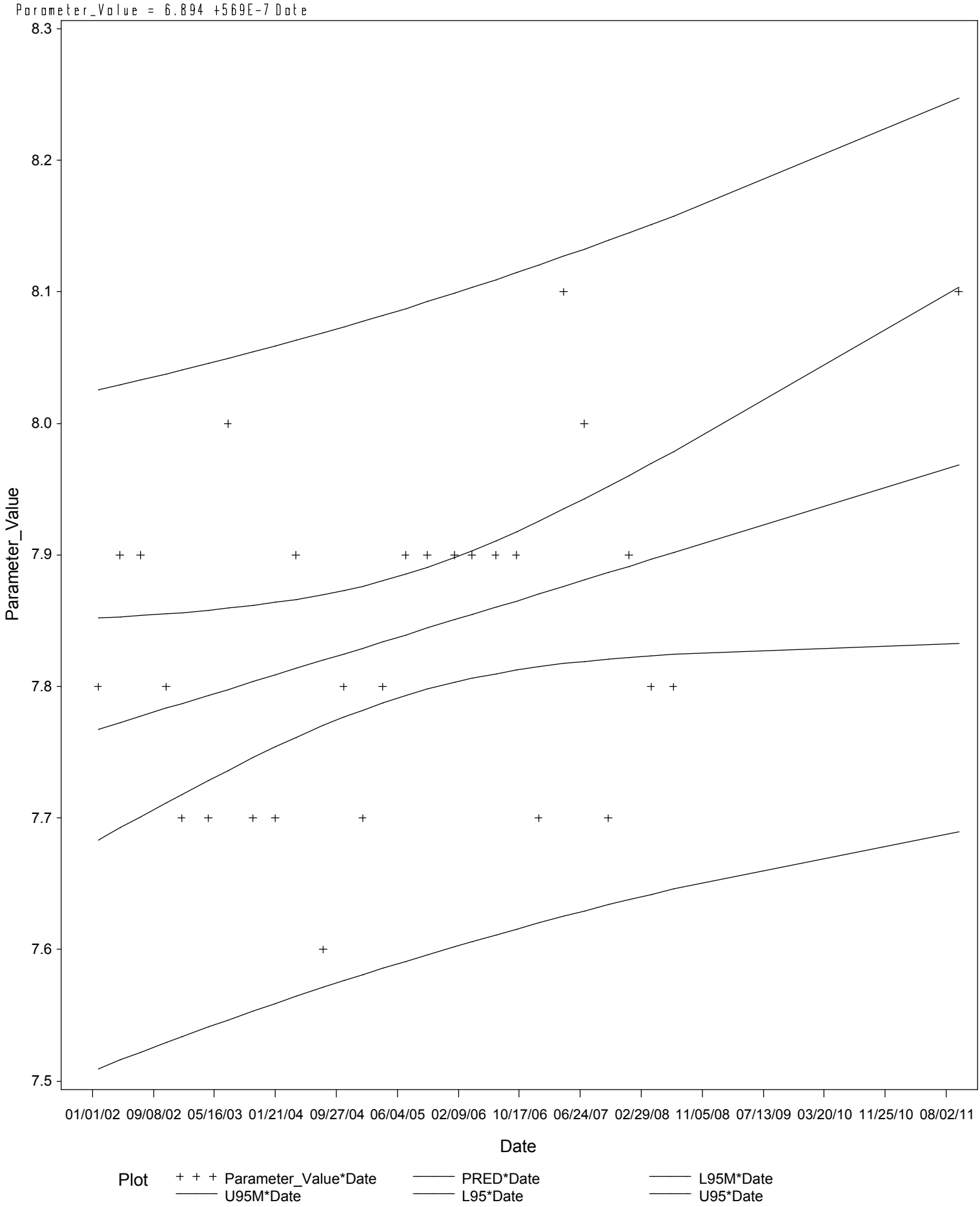
Upper Pecos River

Parameter=PH (STANDARD UNITS) Station=13265



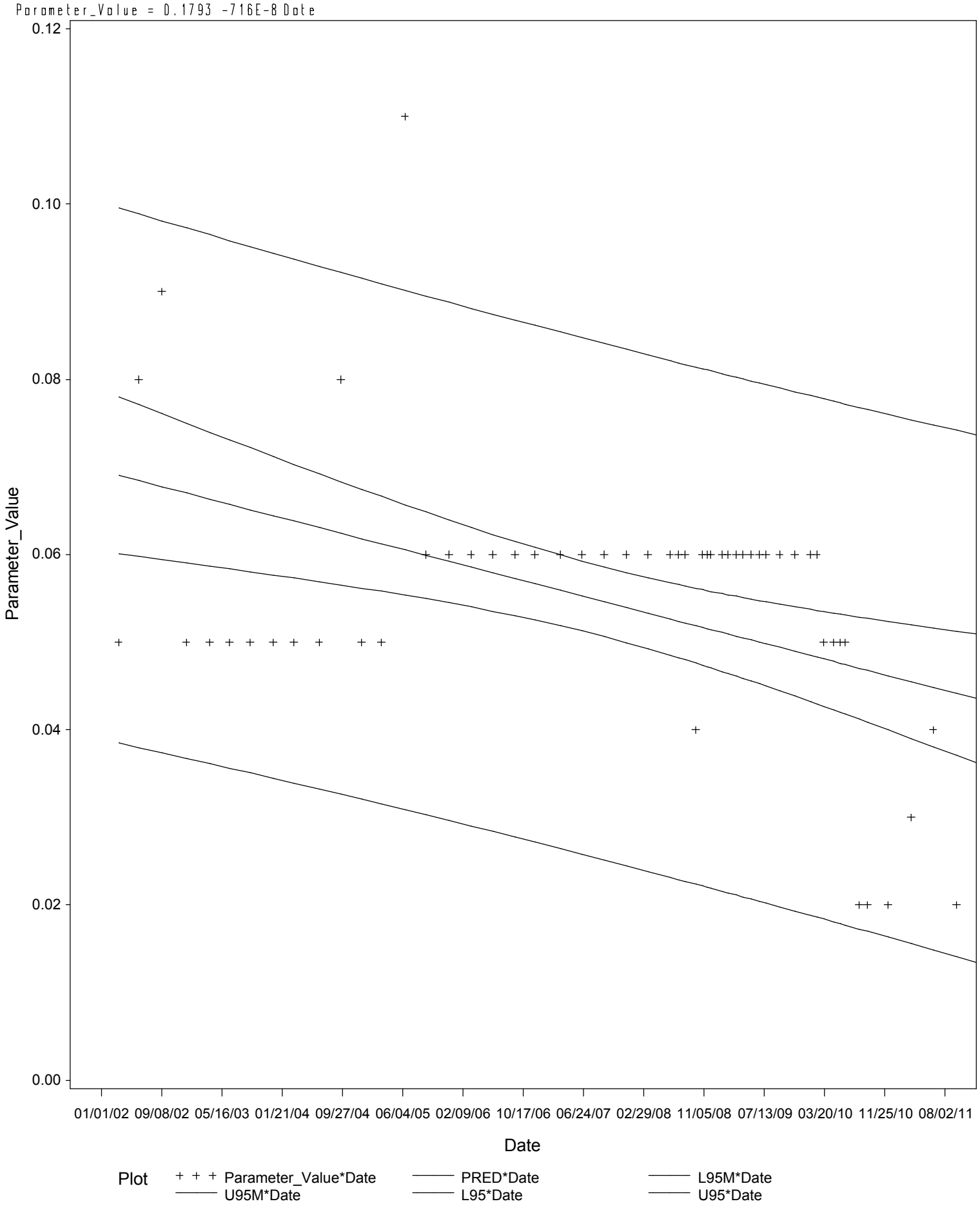
Upper Pecos River

Parameter=PH (STANDARD UNITS) Station=15114



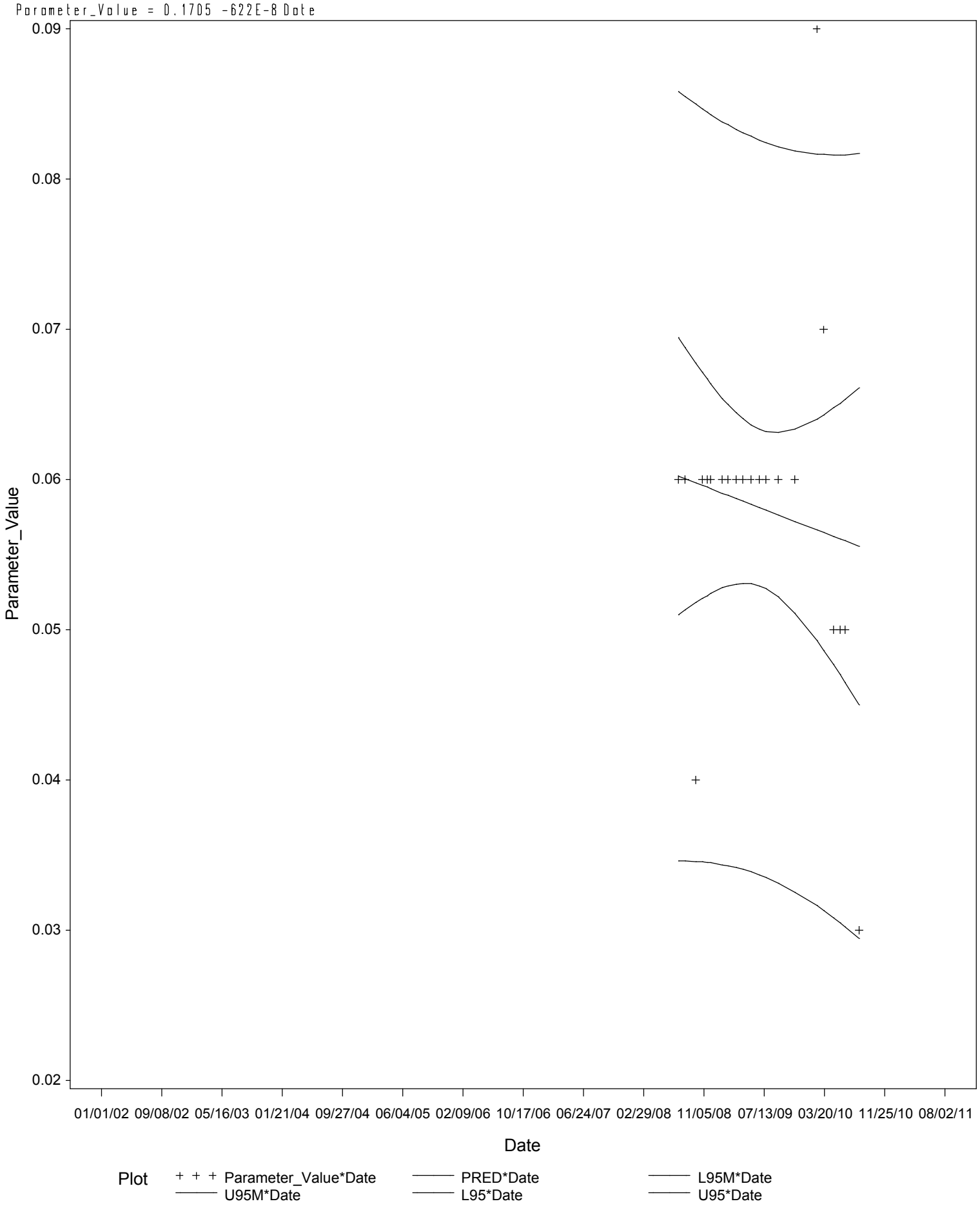
Upper Pecos River

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13257



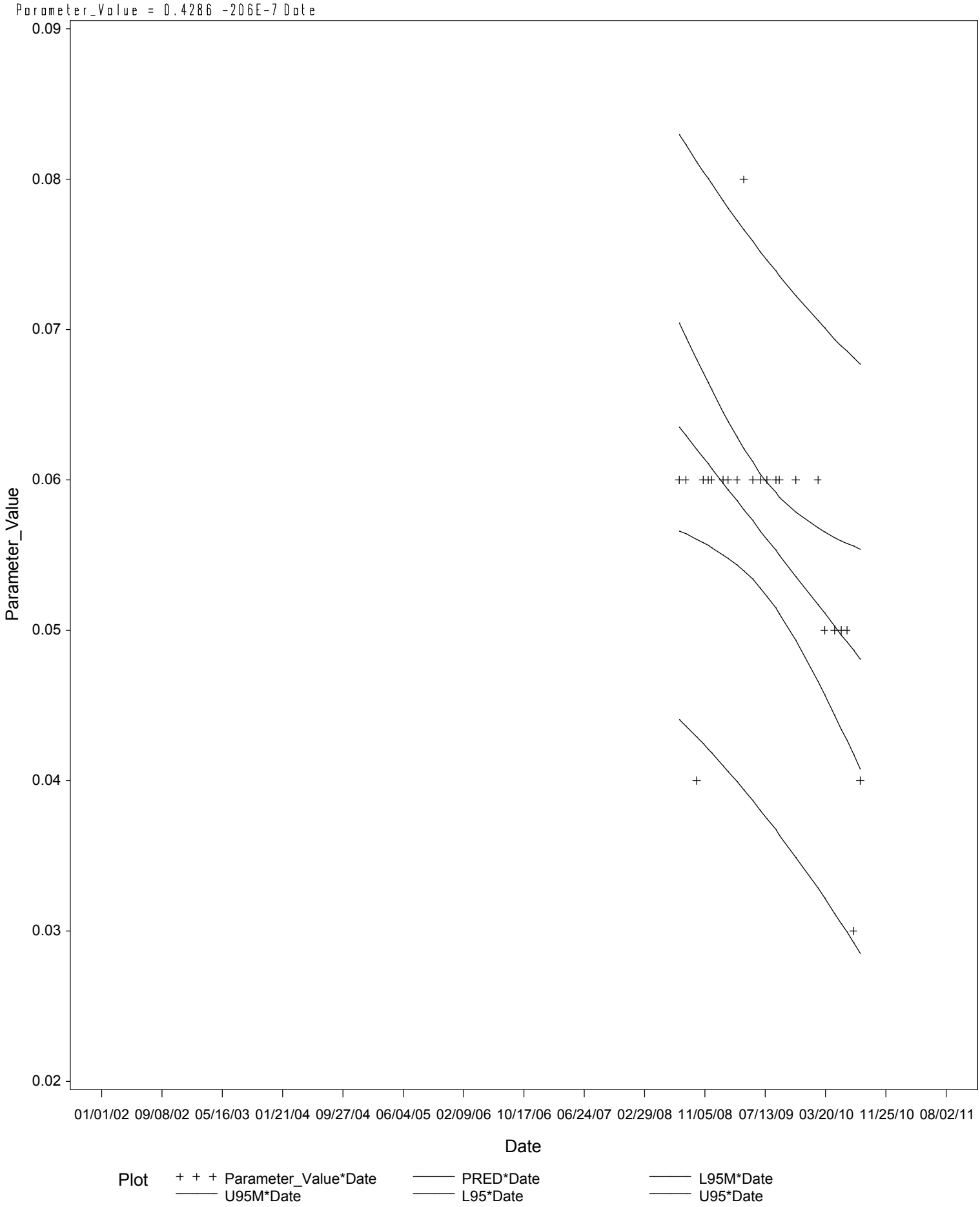
Upper Pecos River

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13258



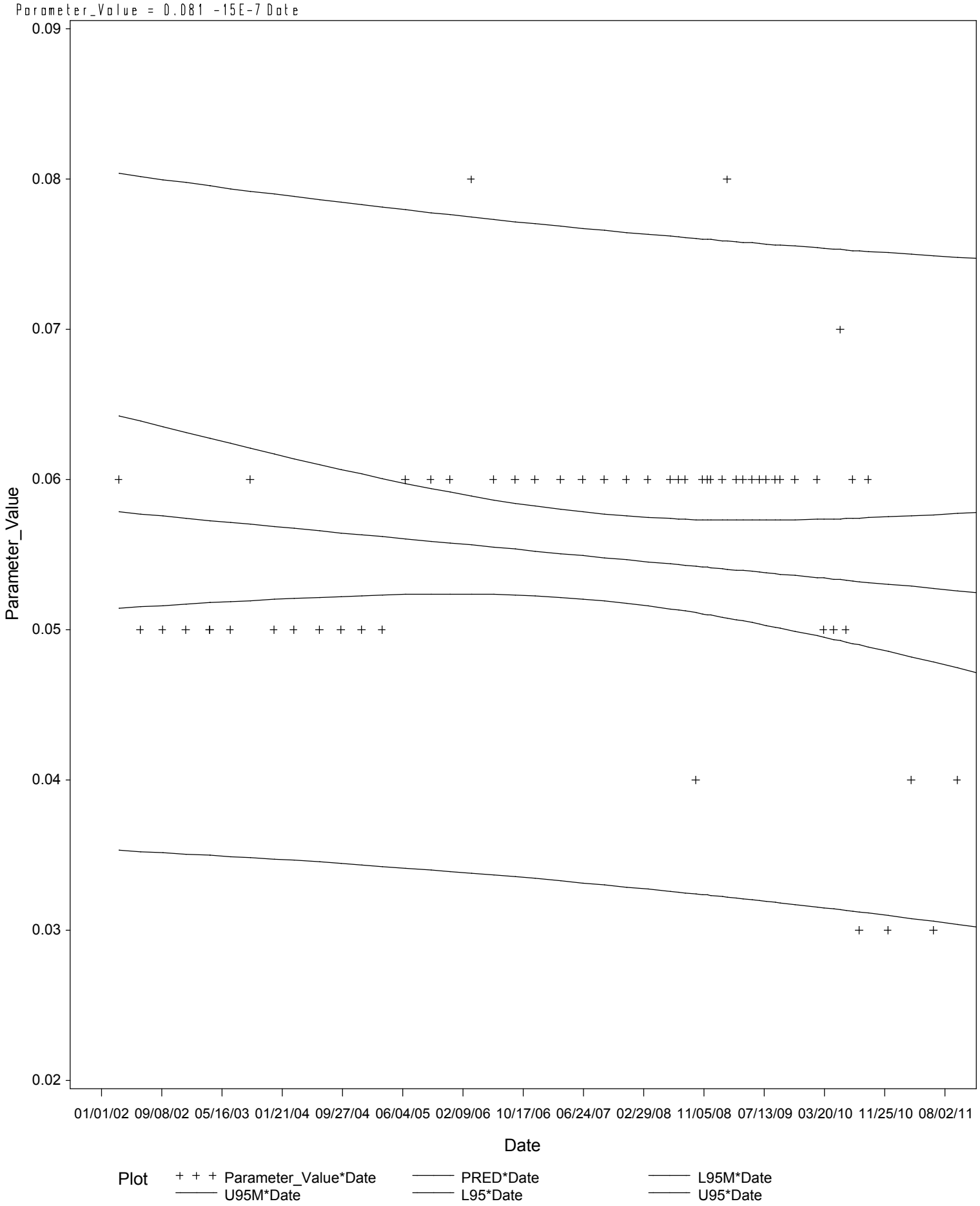
Upper Pecos River

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13259



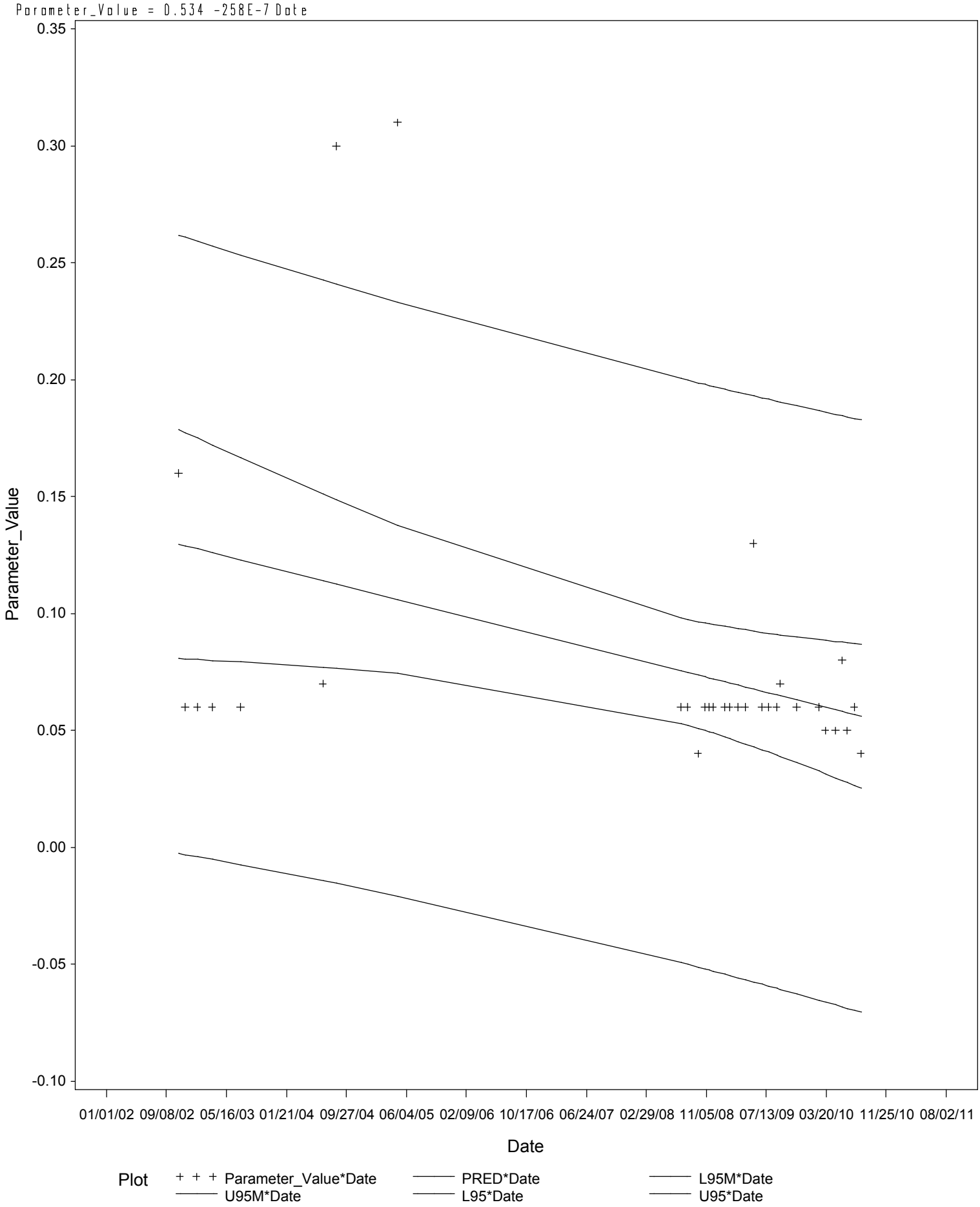
Upper Pecos River

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13260



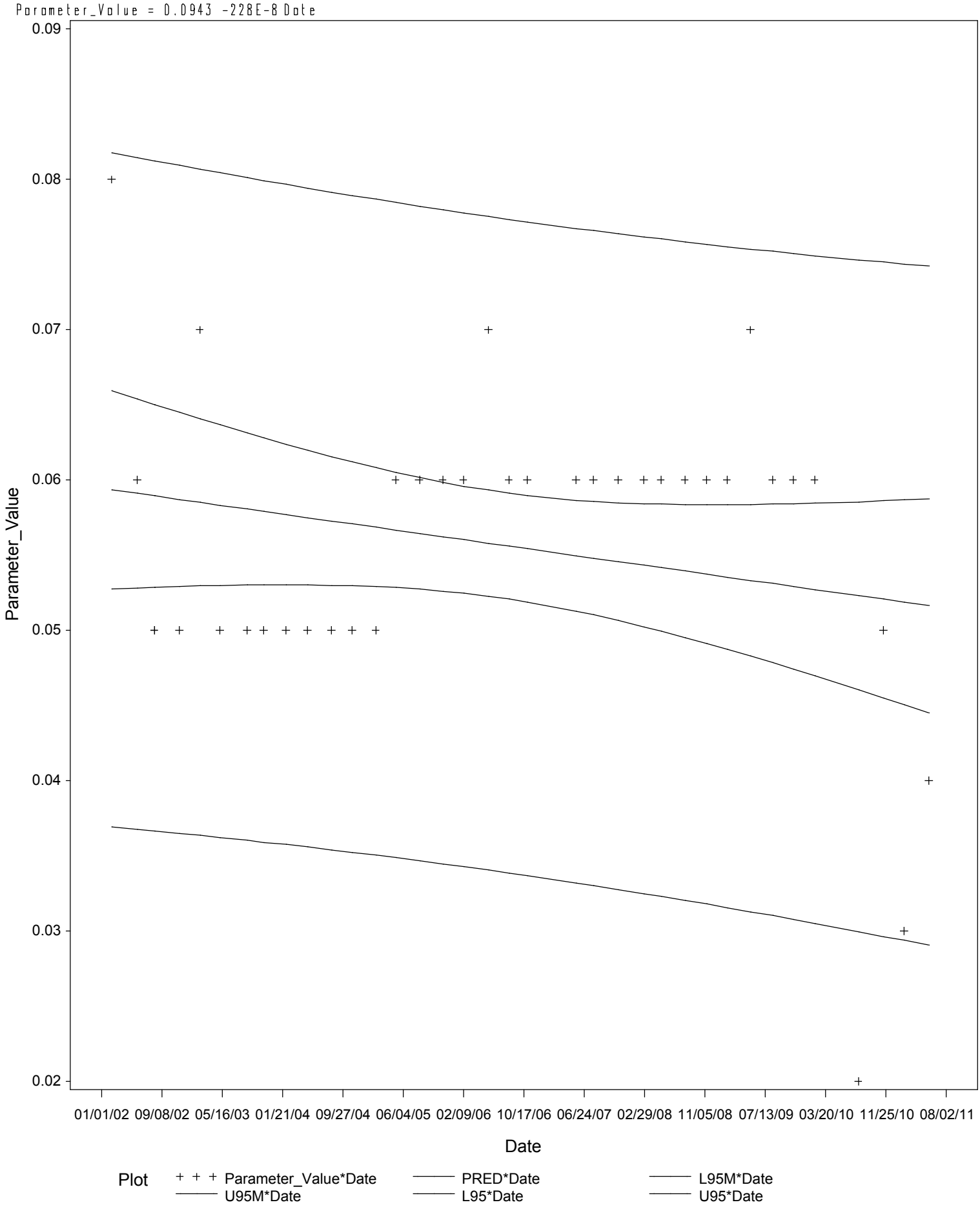
Upper Pecos River

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13261



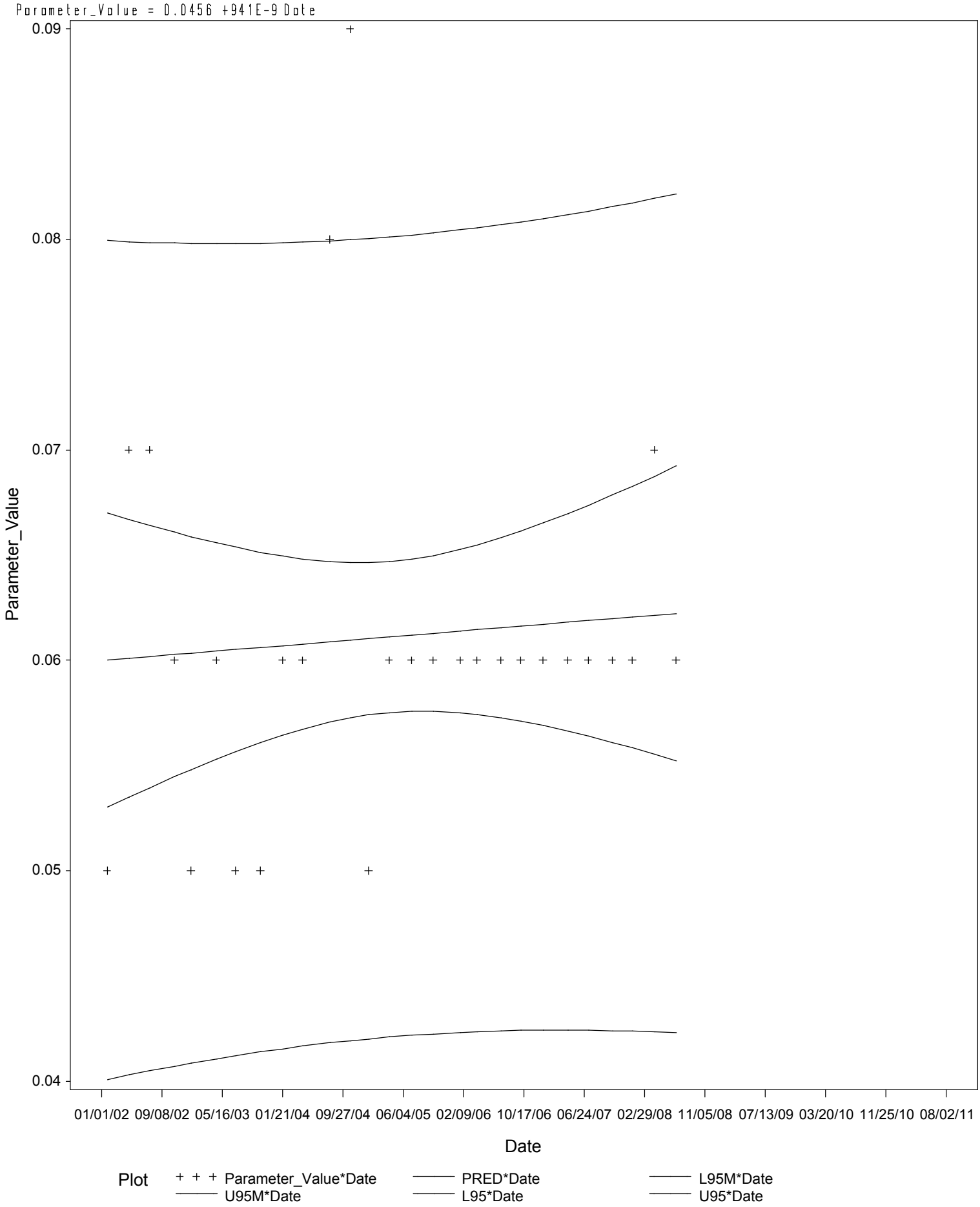
Upper Pecos River

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13265



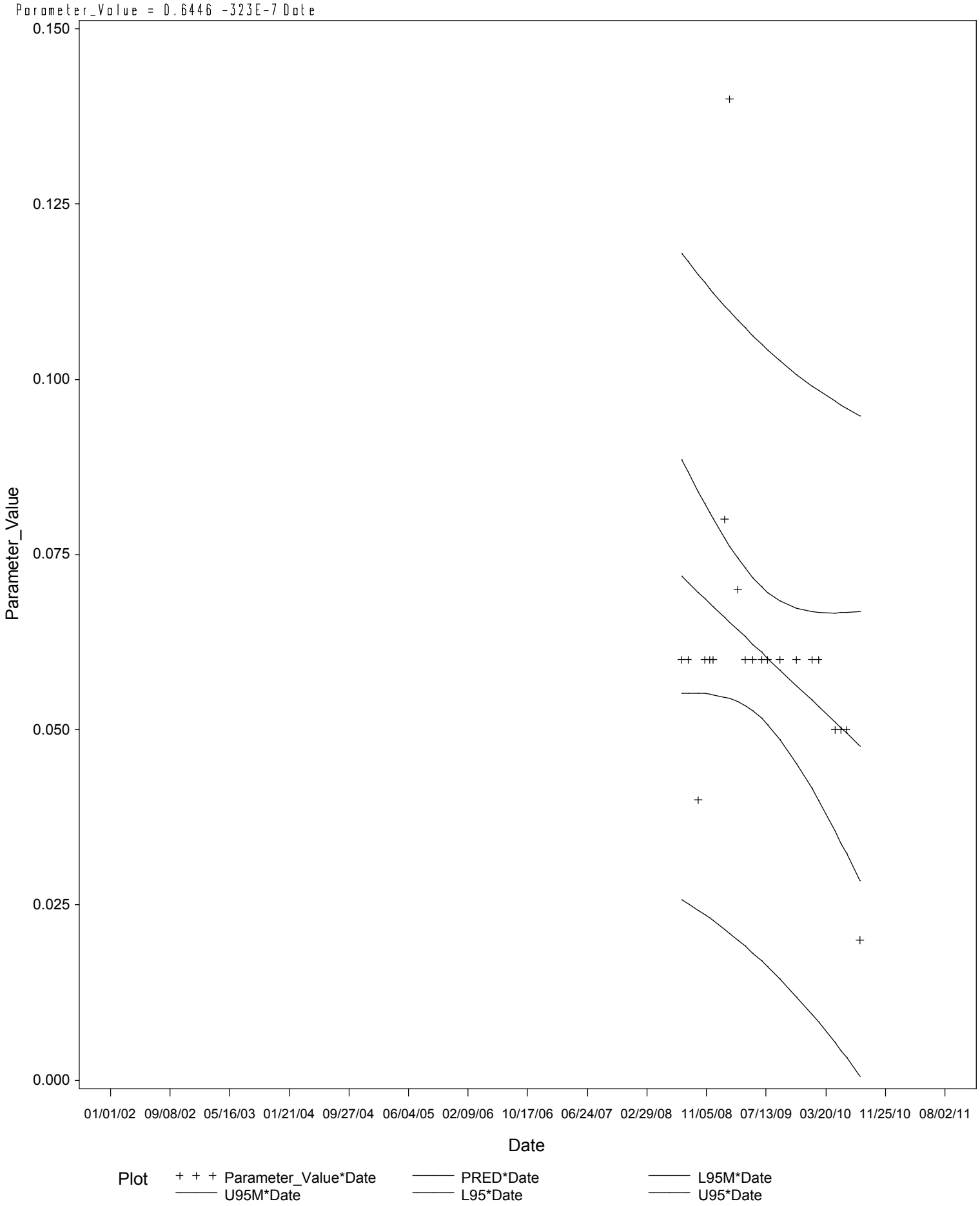
Upper Pecos River

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=15114



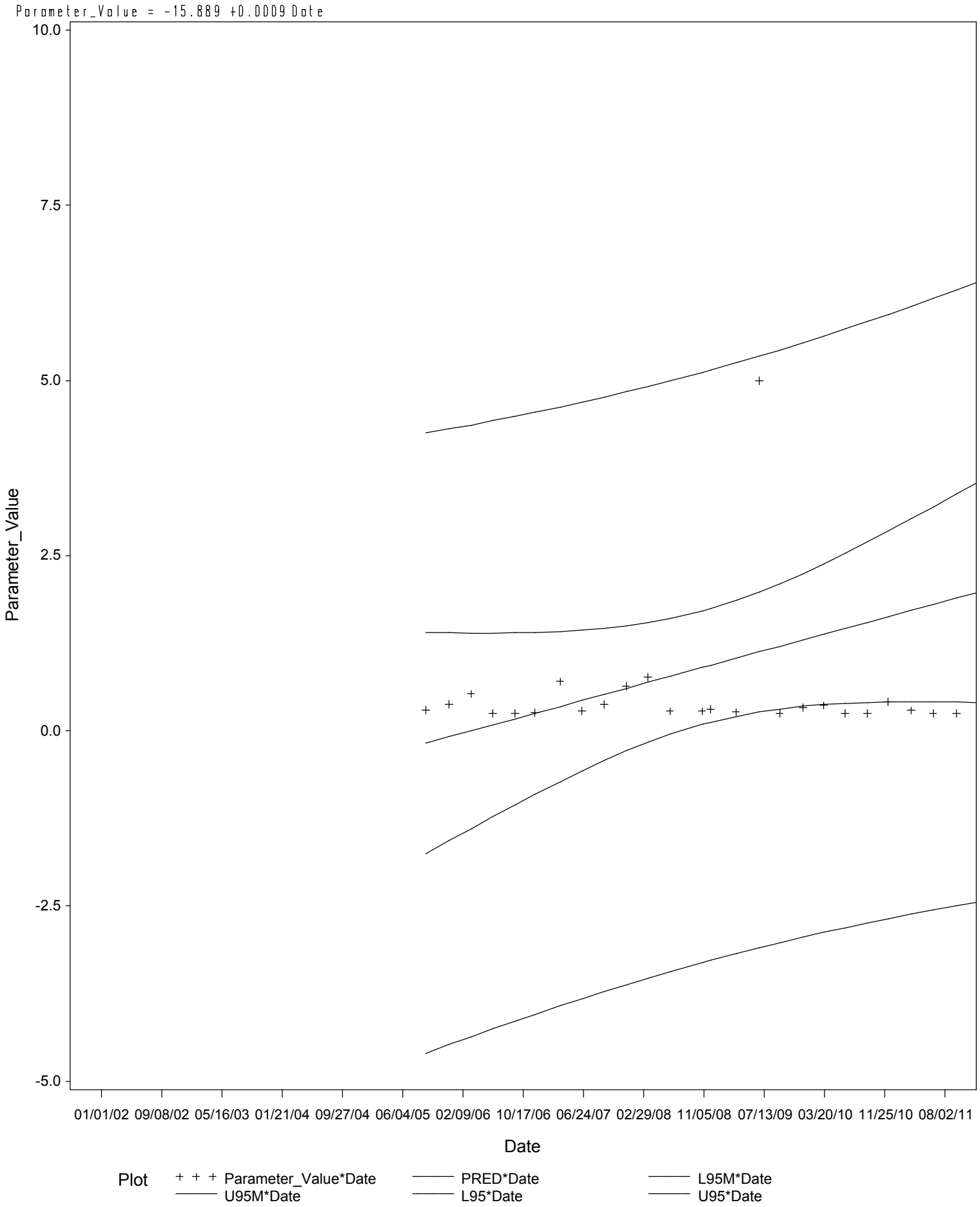
Upper Pecos River

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=20399



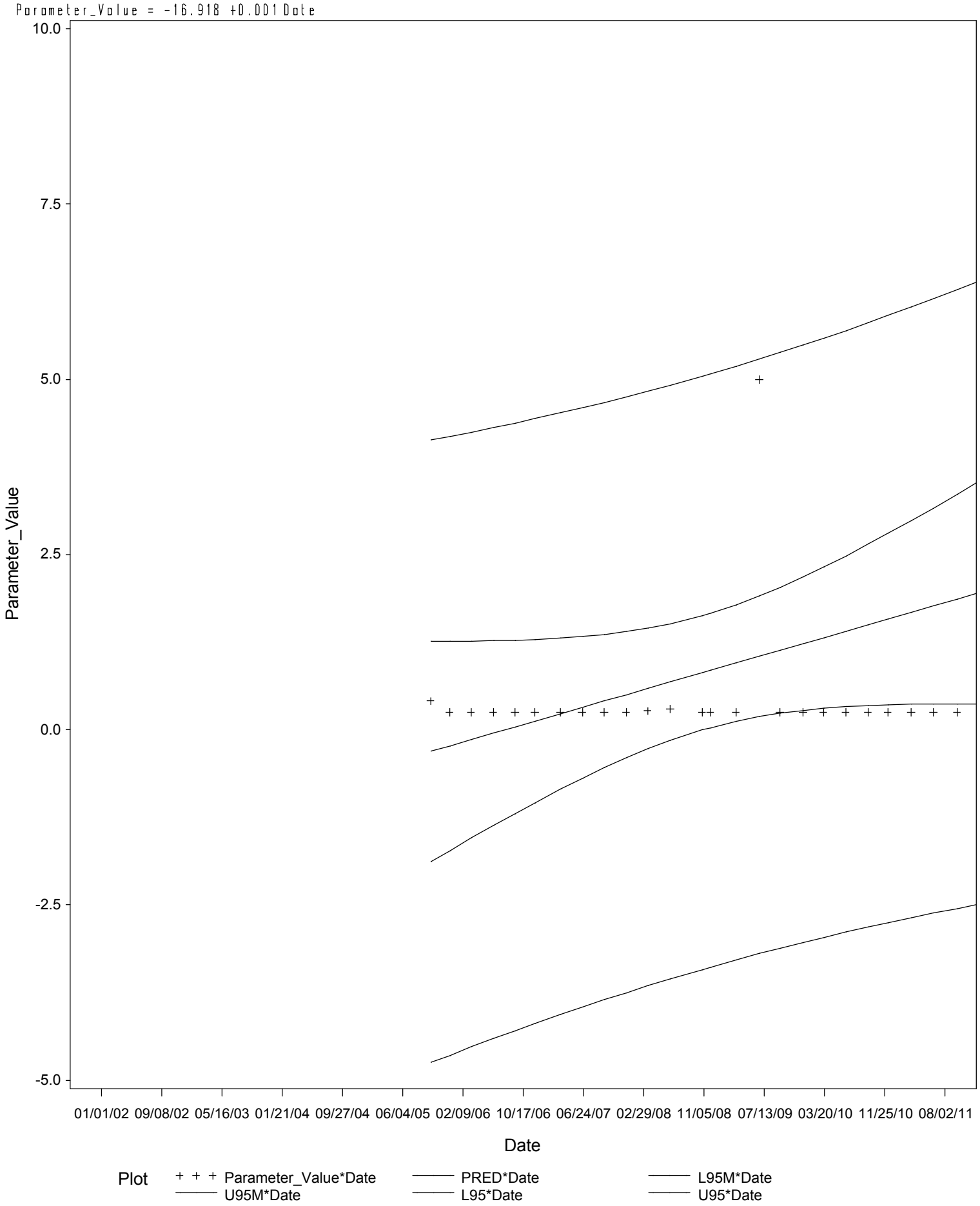
Upper Pecos River

Parameter=SELENIUM, TOTAL (UG/L AS SE) Station=13257



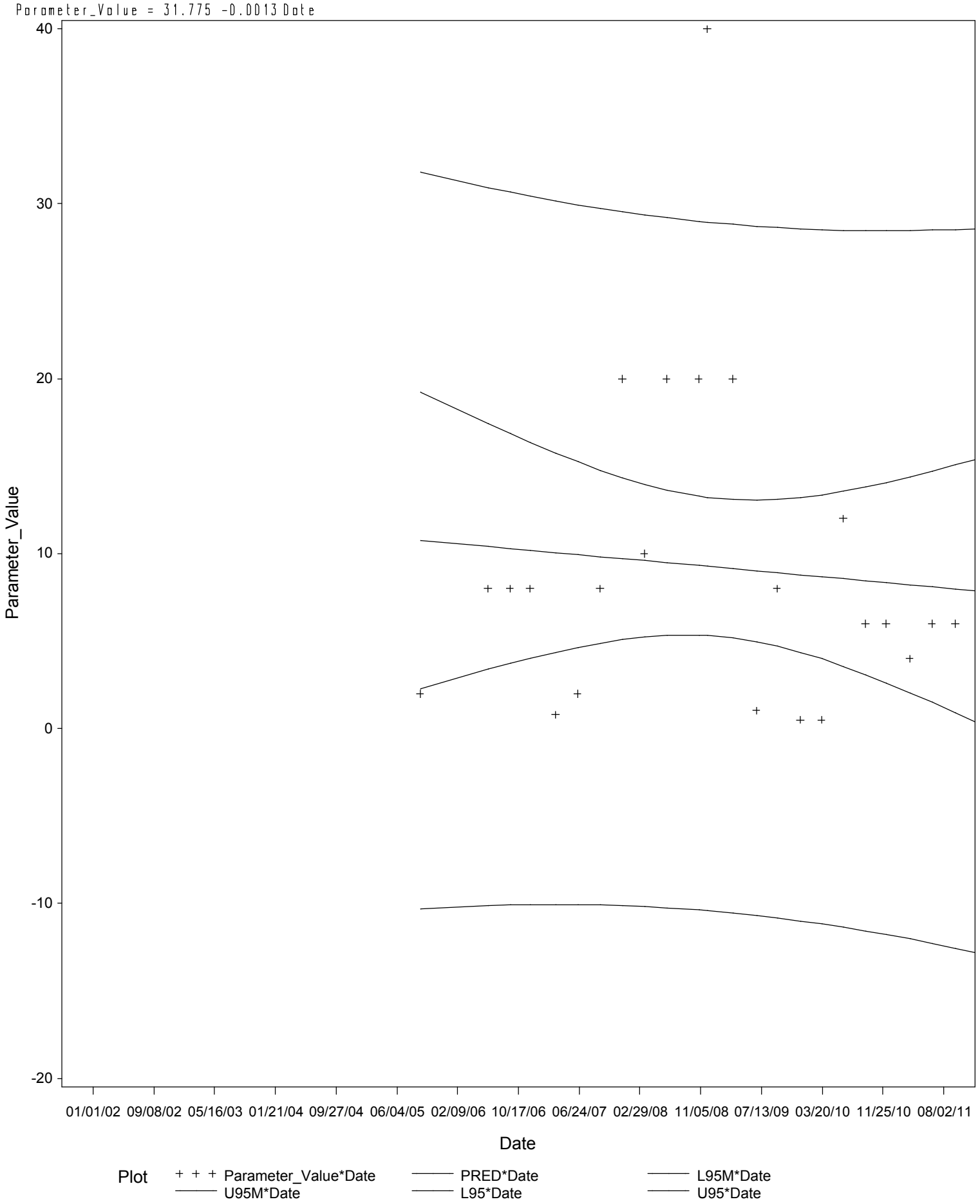
Upper Pecos River

Parameter=SELENIUM, TOTAL (UG/L AS SE) Station=13260



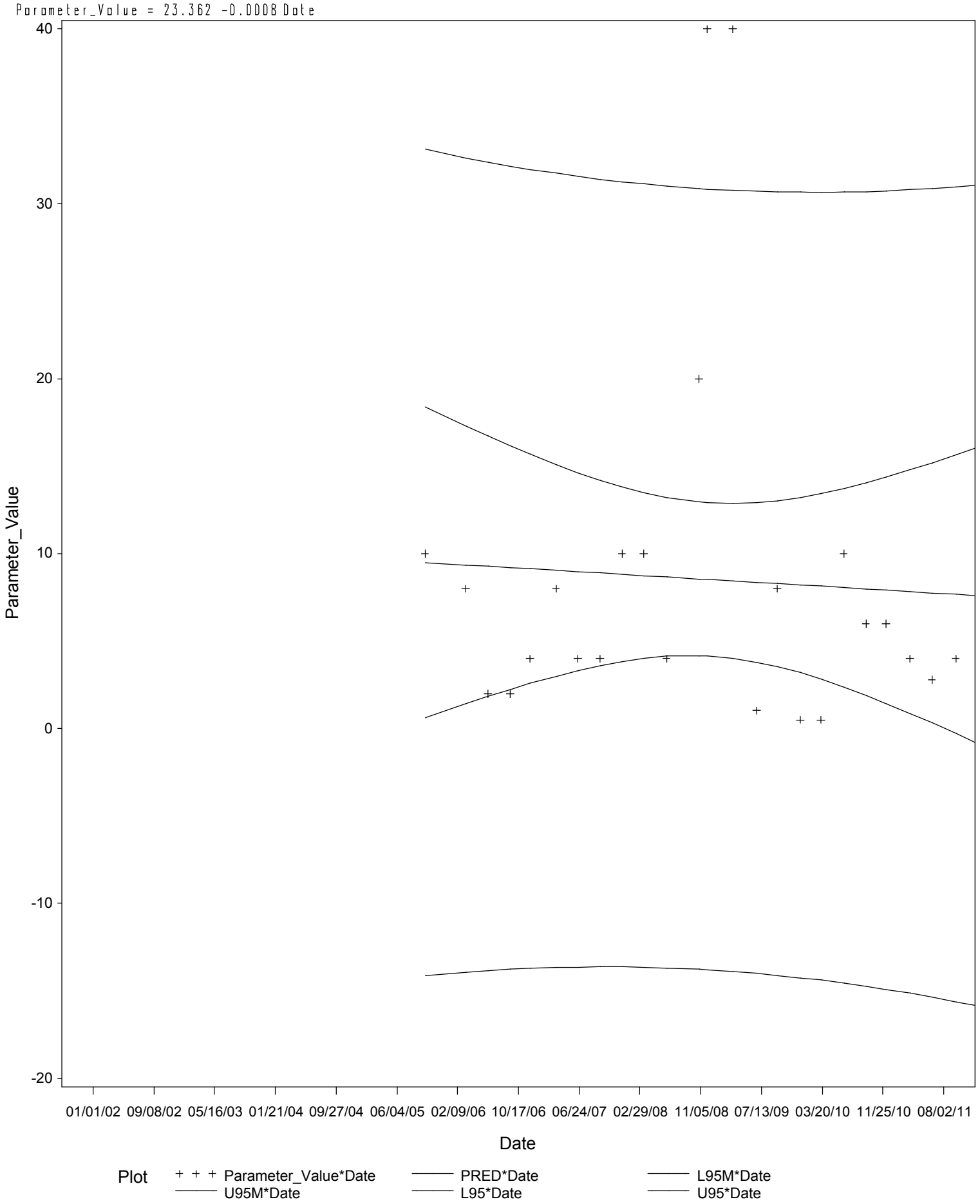
Upper Pecos River

Parameter=SILVER, DISSOLVED (UG/L AS AG) Station=13257



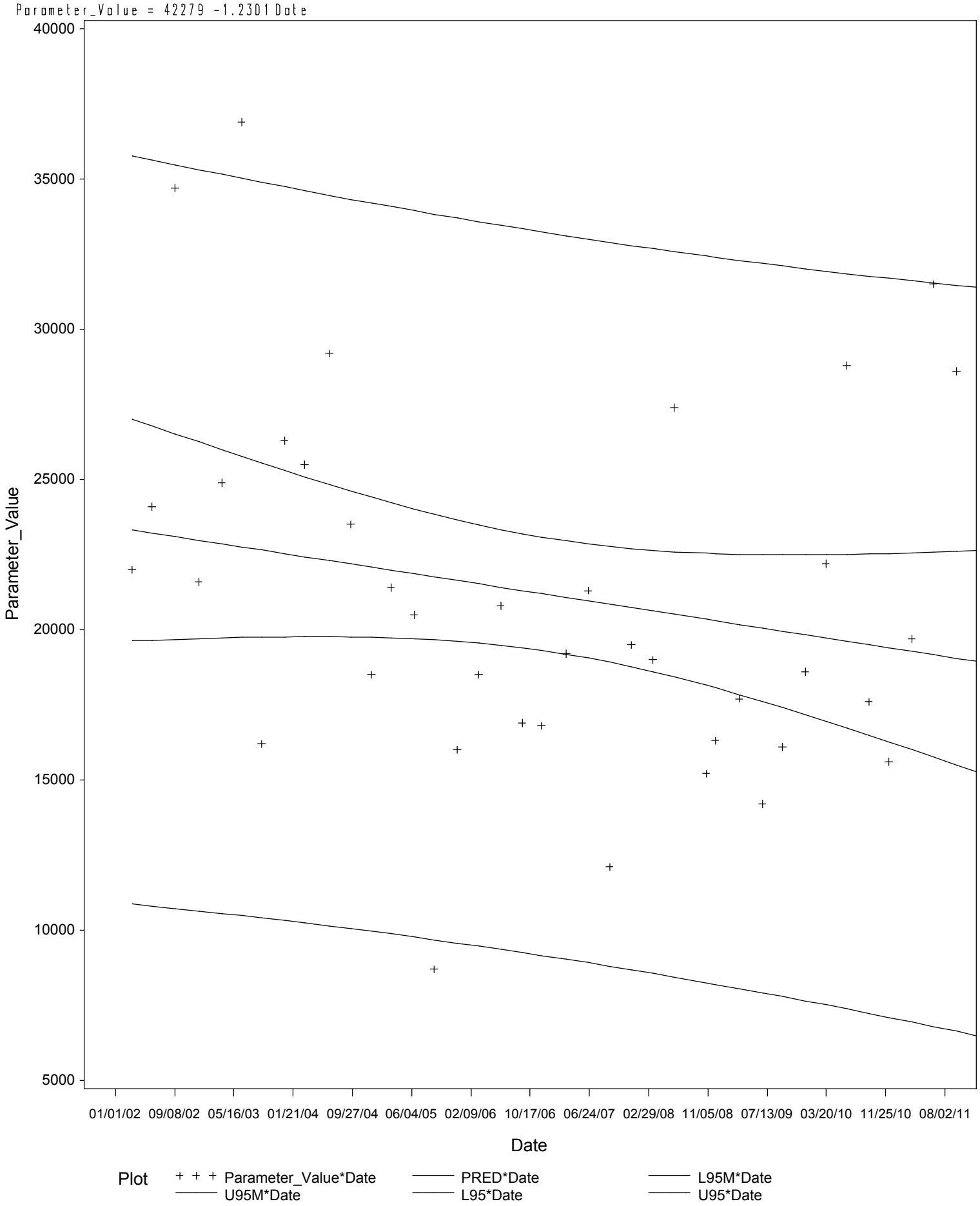
Upper Pecos River

Parameter=SILVER, DISSOLVED (UG/L AS AG) Station=13260



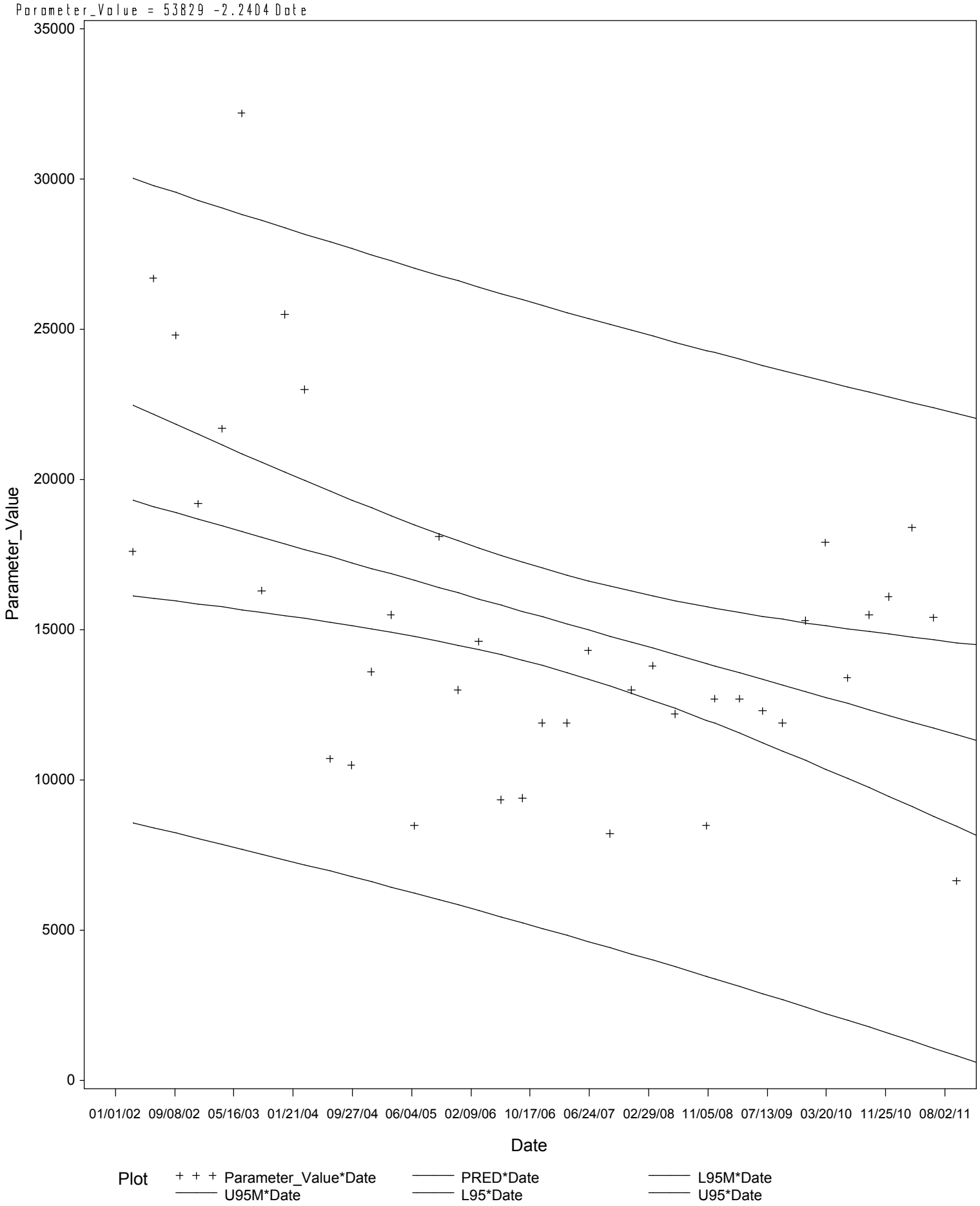
Upper Pecos River

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13257



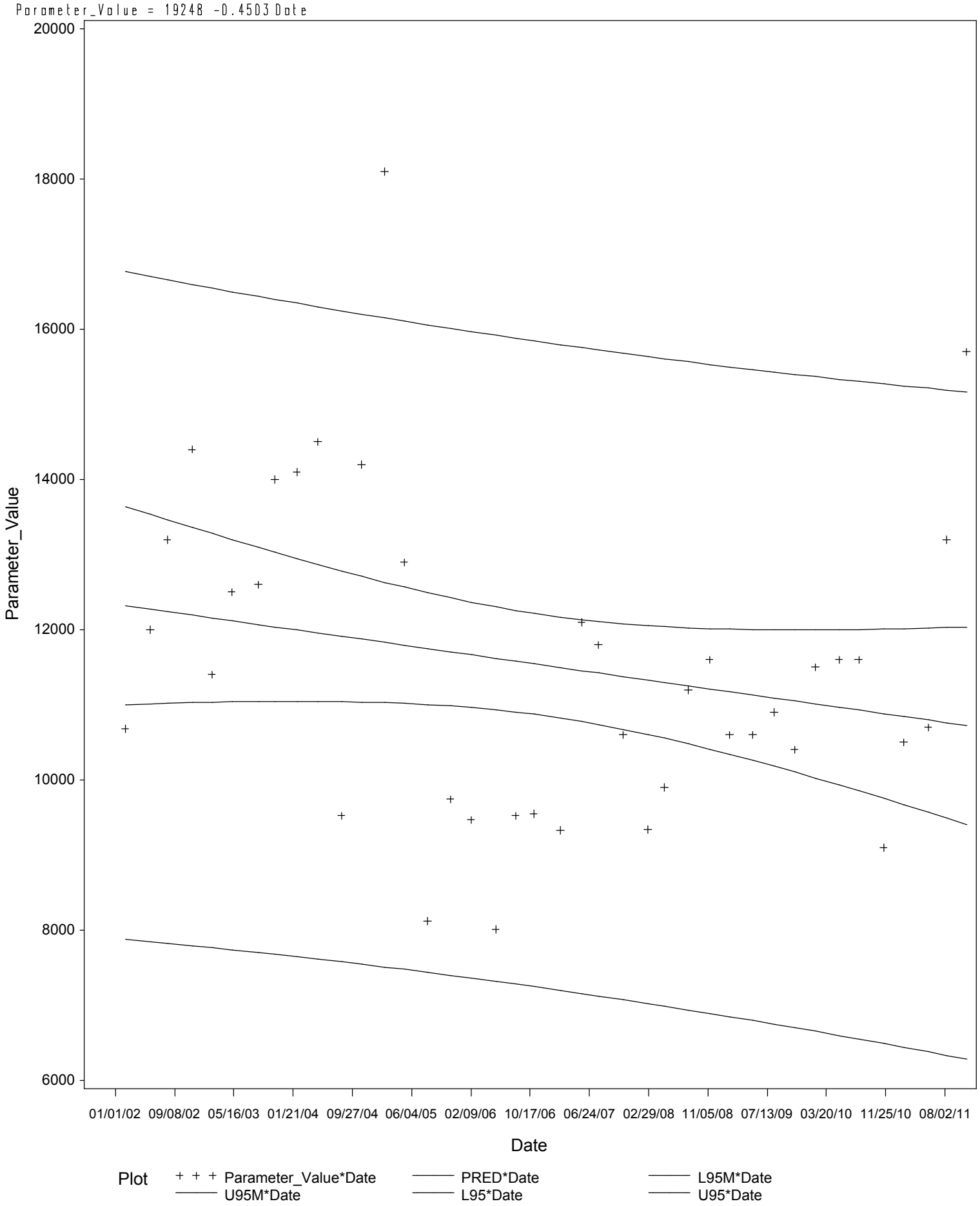
Upper Pecos River

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13260



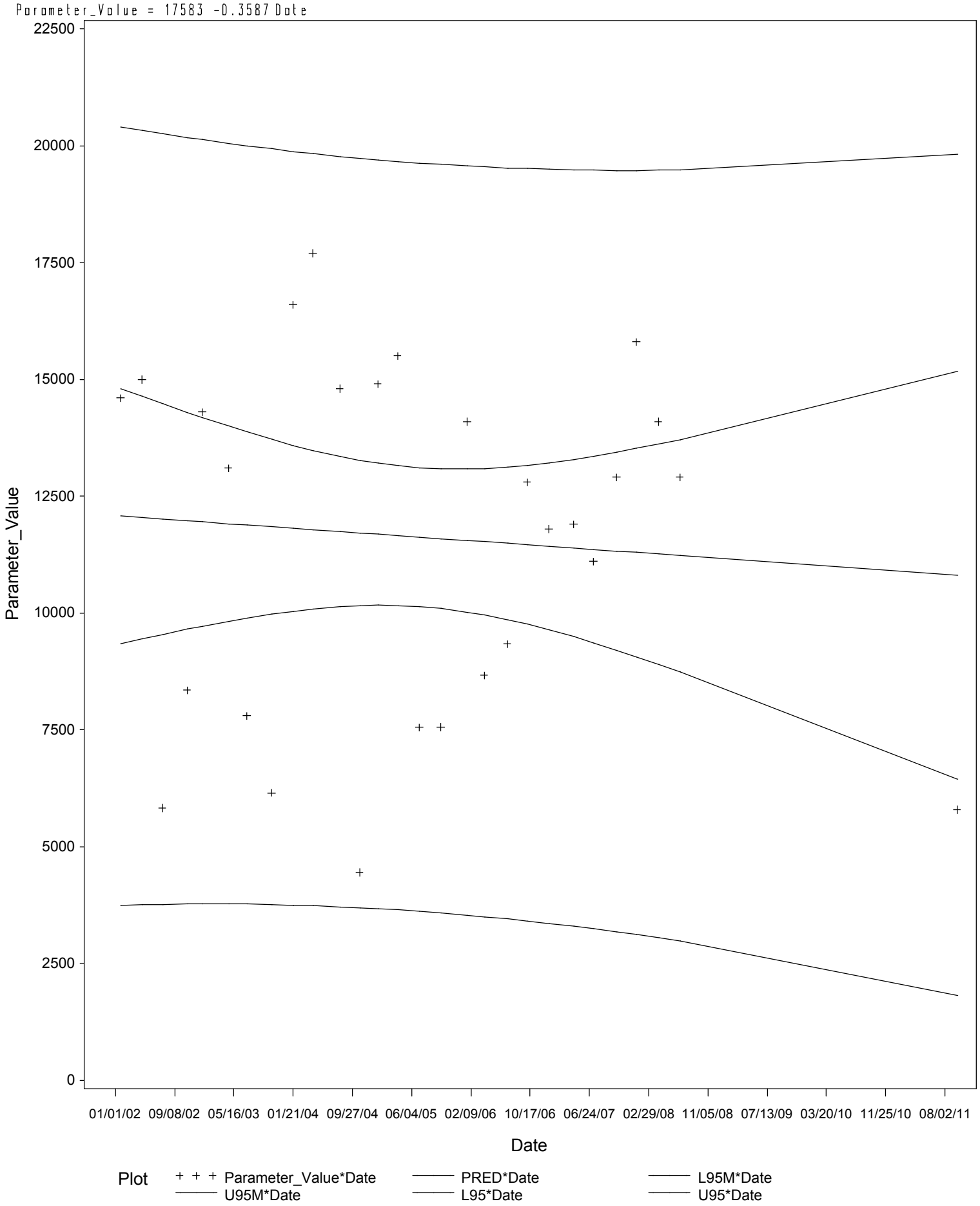
Upper Pecos River

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13265



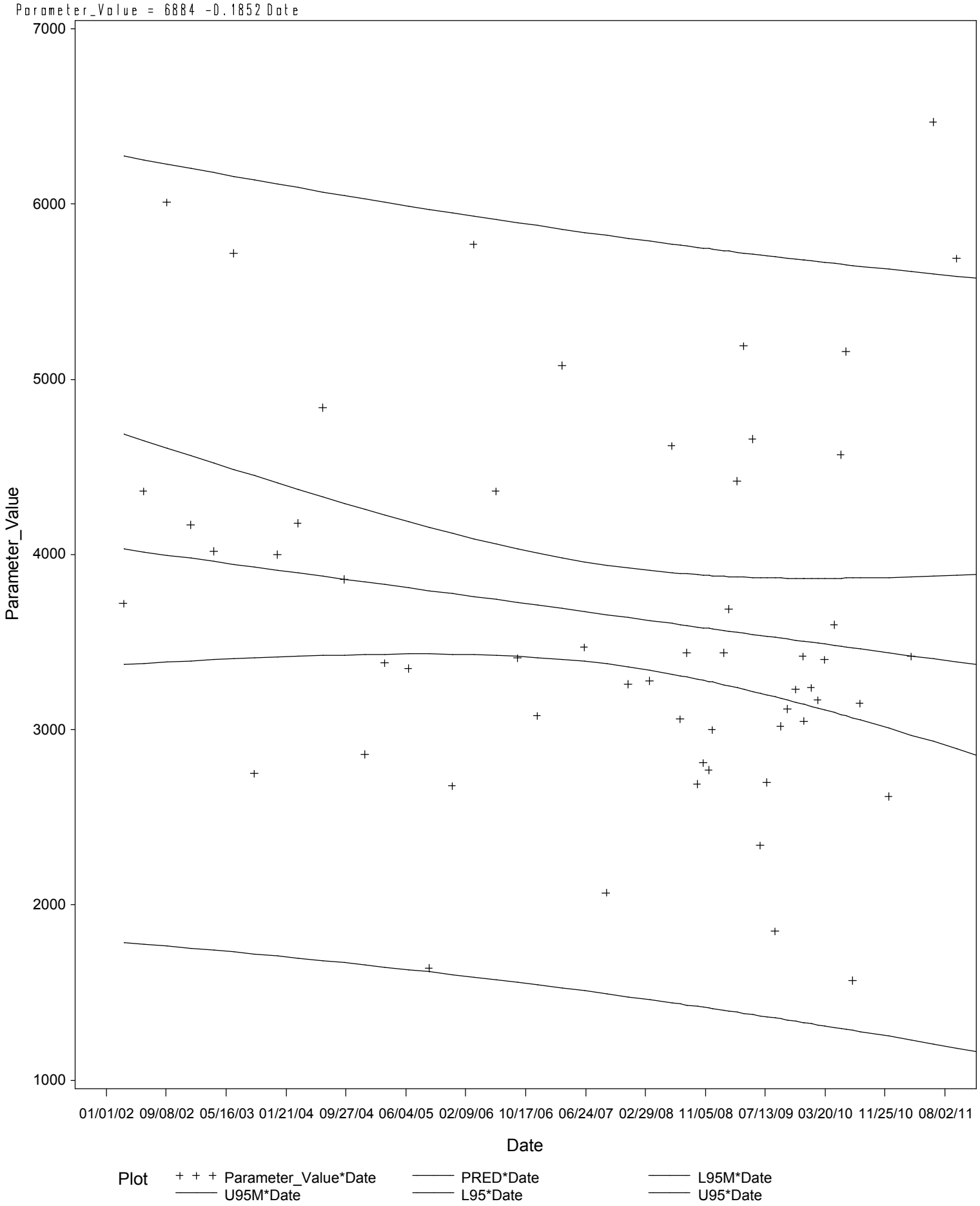
Upper Pecos River

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15114



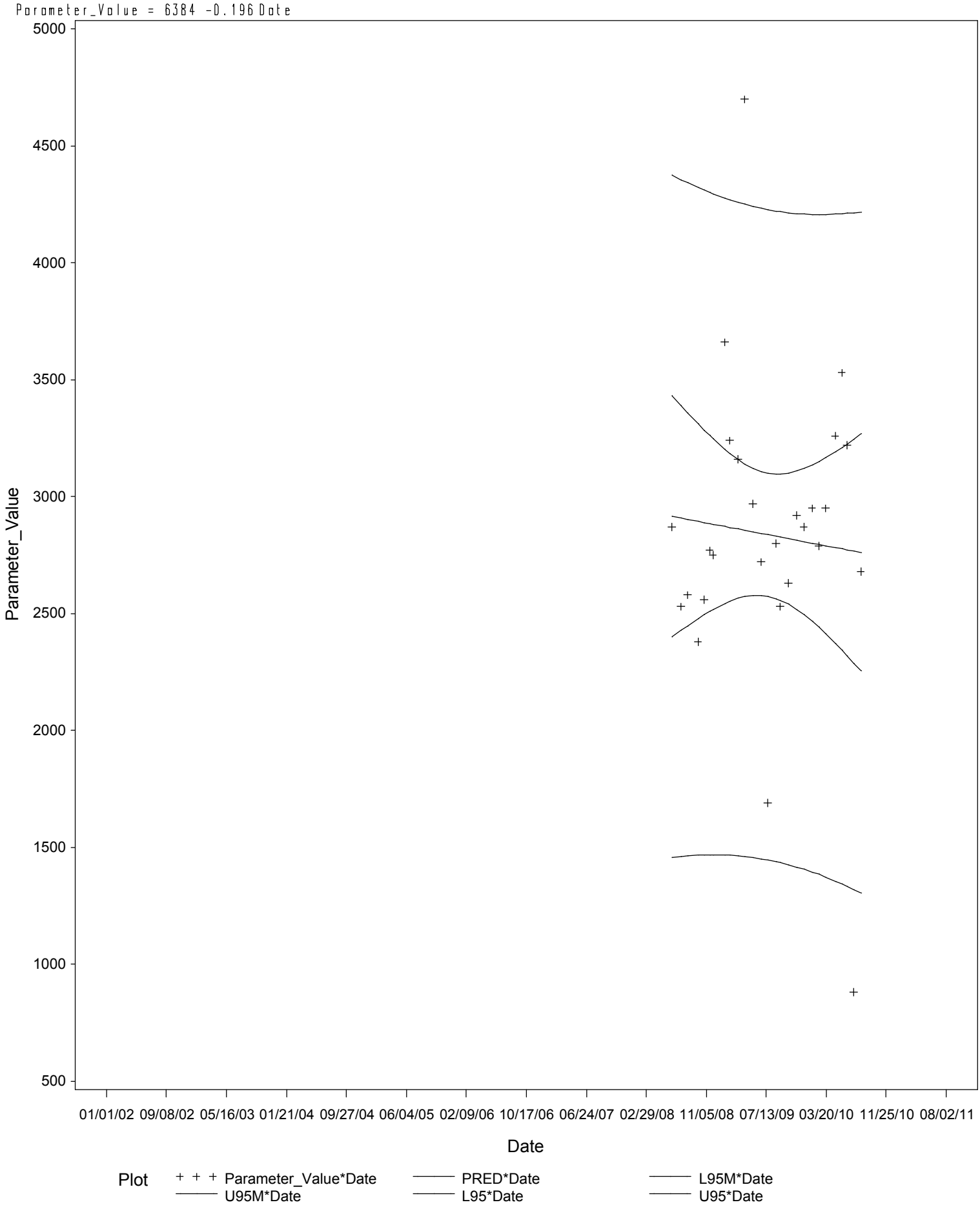
Upper Pecos River

Parameter=SULFATE (MG/L AS SO4) Station=13257



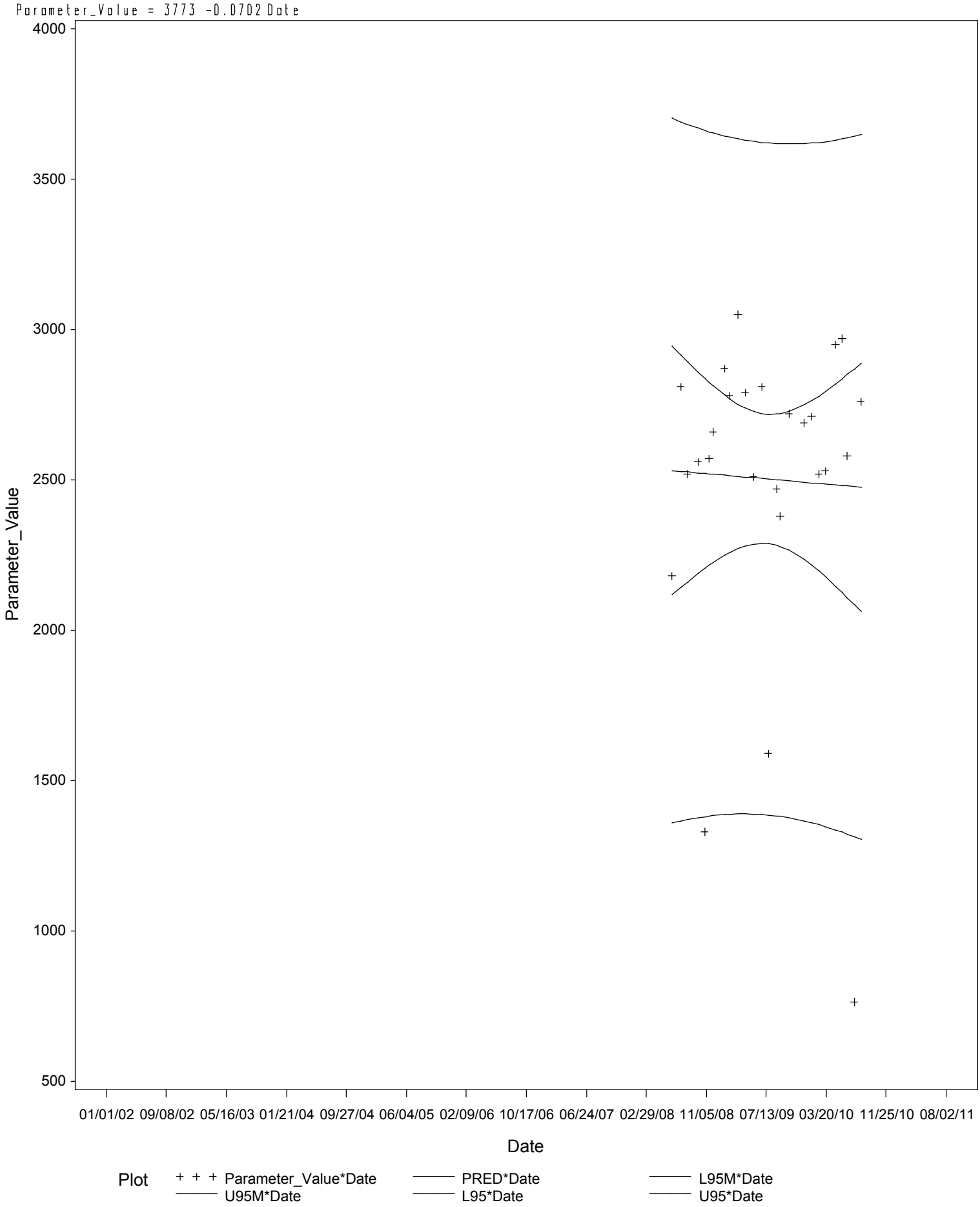
Upper Pecos River

Parameter=SULFATE (MG/L AS SO4) Station=13258



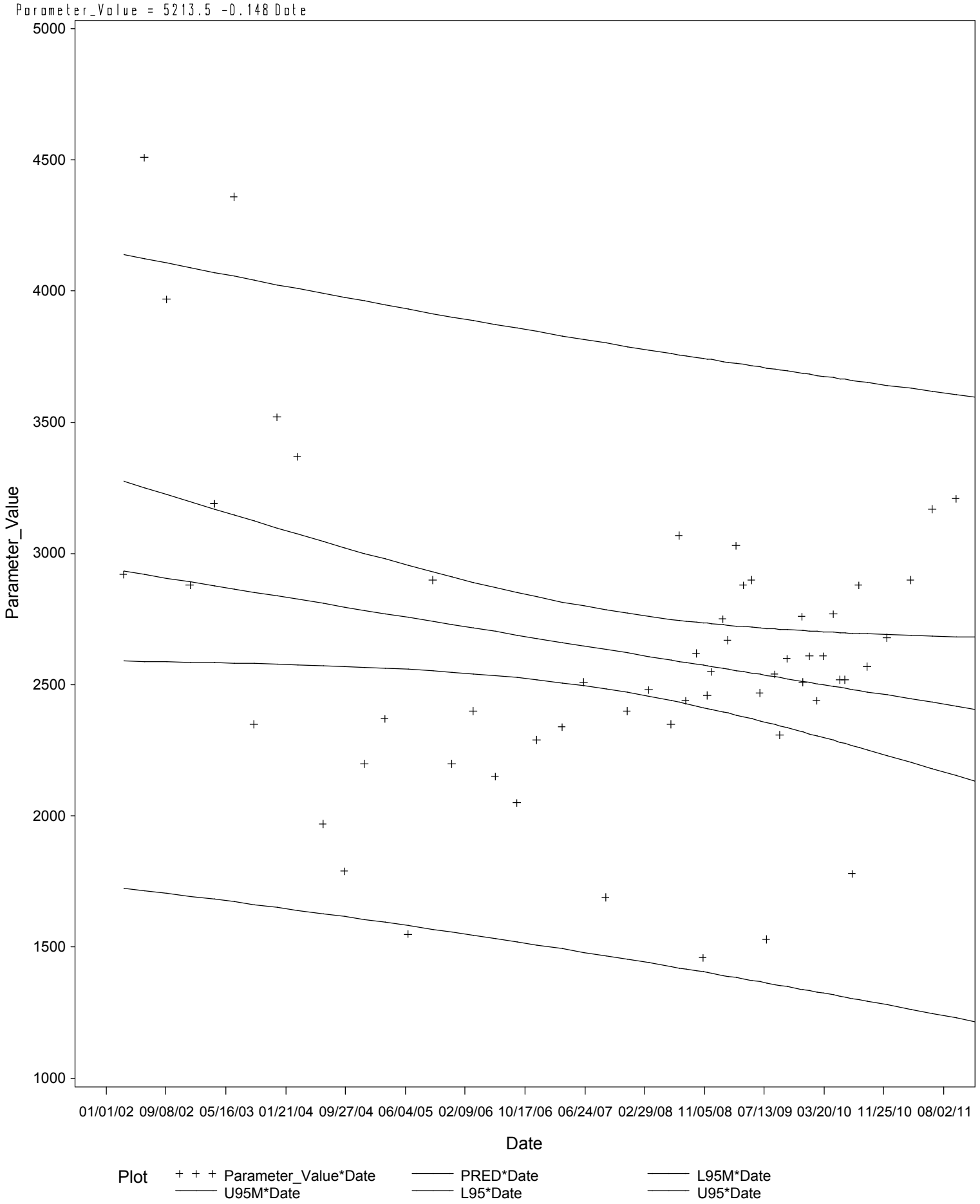
Upper Pecos River

Parameter=SULFATE (MG/L AS SO4) Station=13259



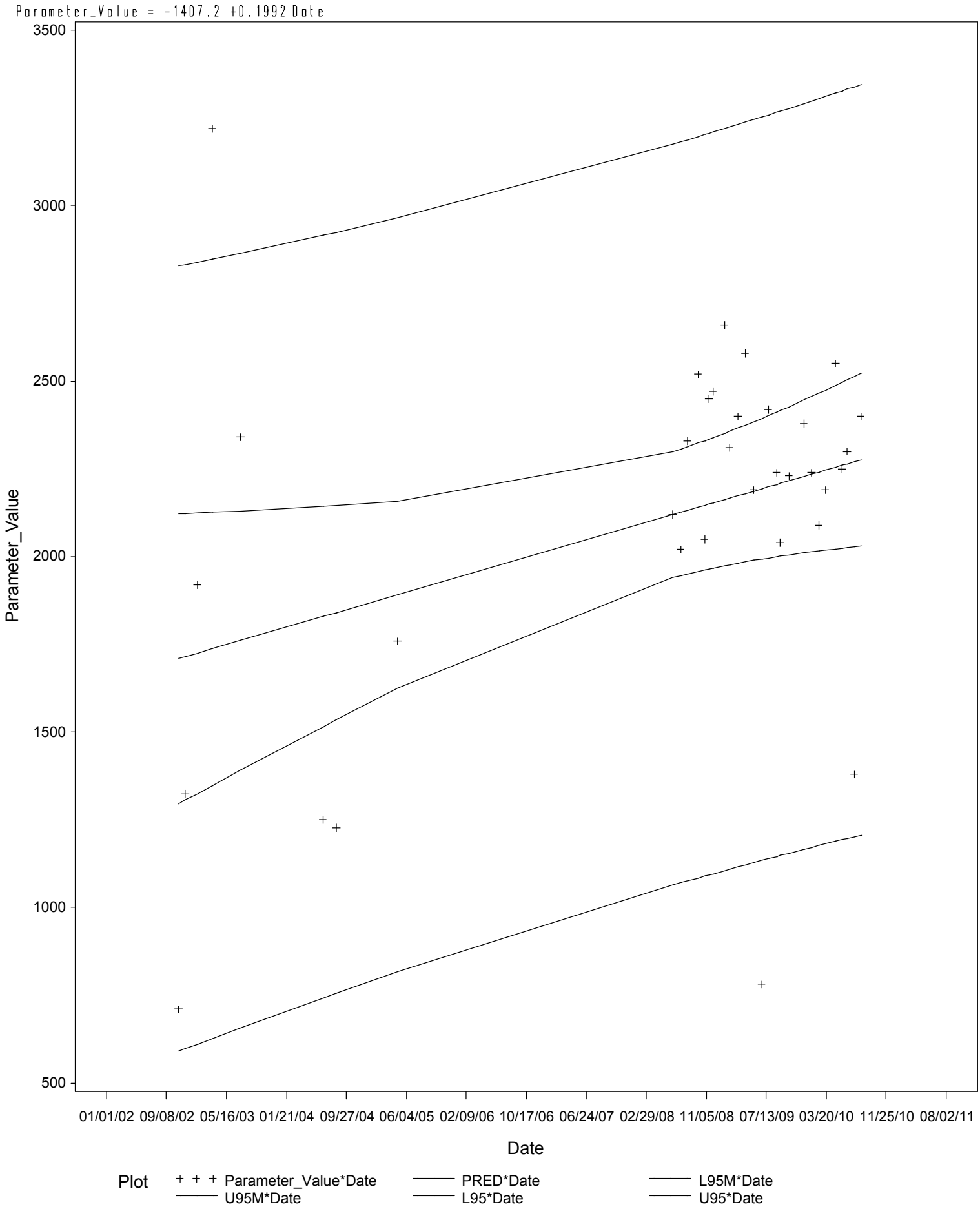
Upper Pecos River

Parameter=SULFATE (MG/L AS SO4) Station=13260



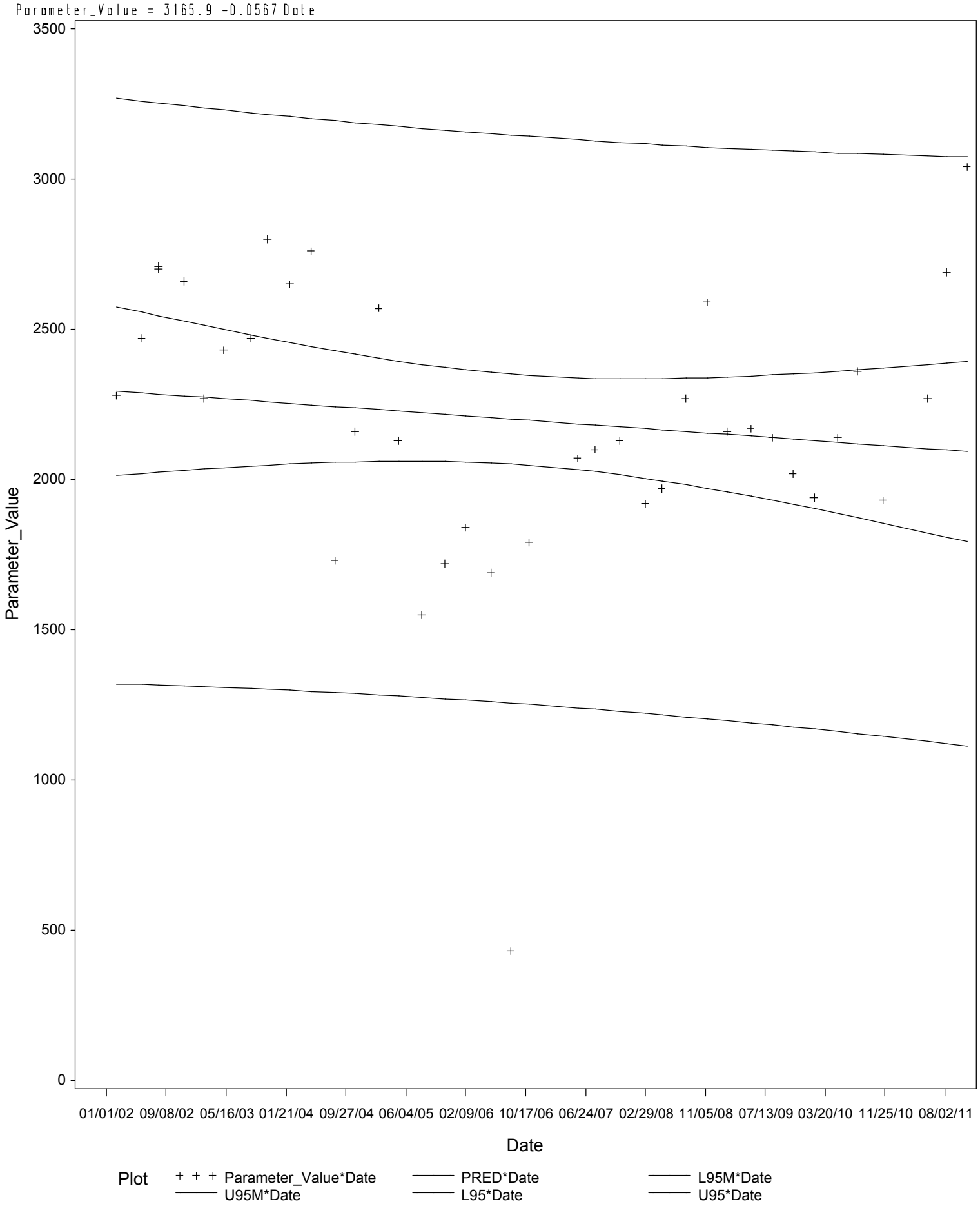
Upper Pecos River

Parameter=SULFATE (MG/L AS SO4) Station=13261



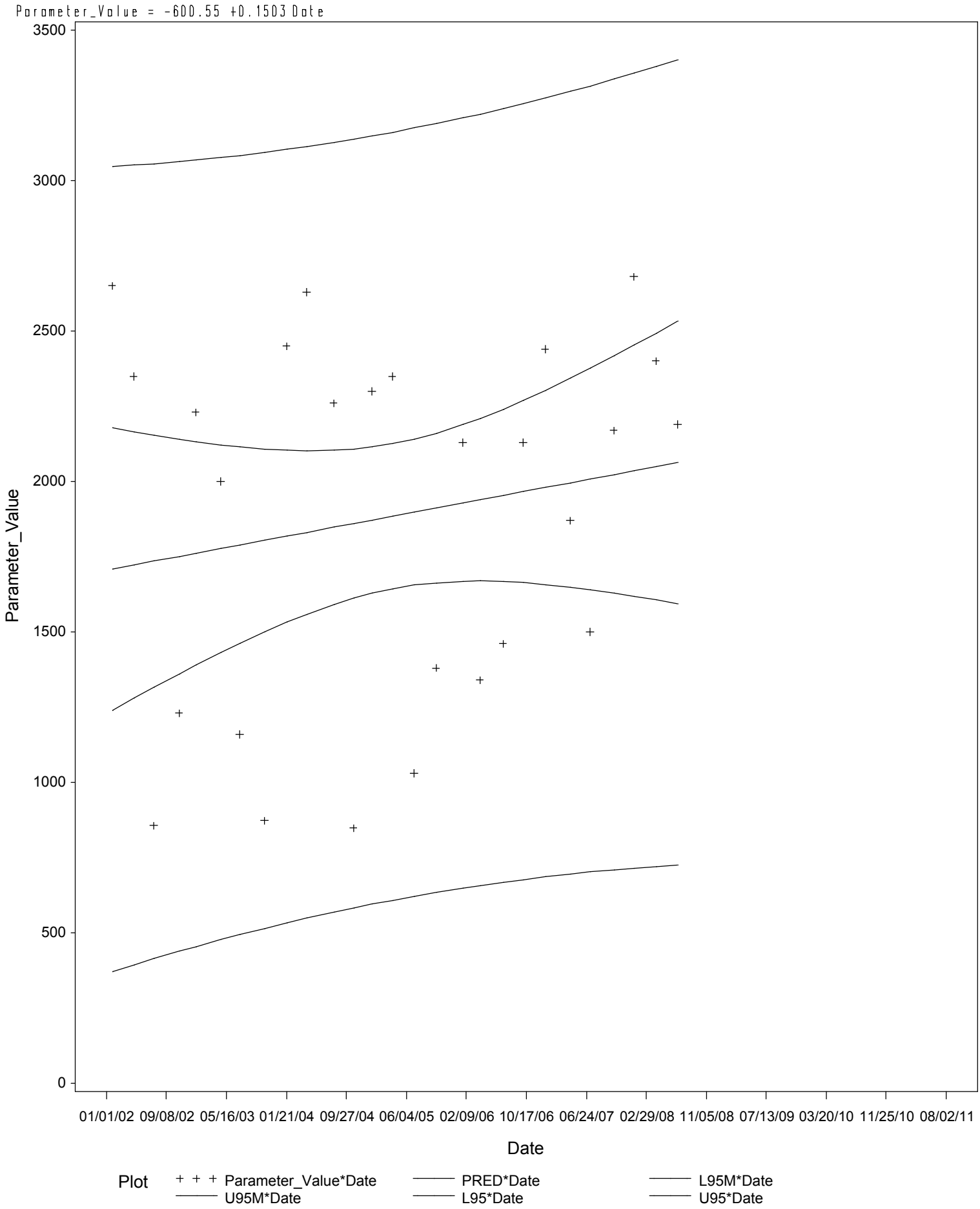
Upper Pecos River

Parameter=SULFATE (MG/L AS SO4) Station=13265



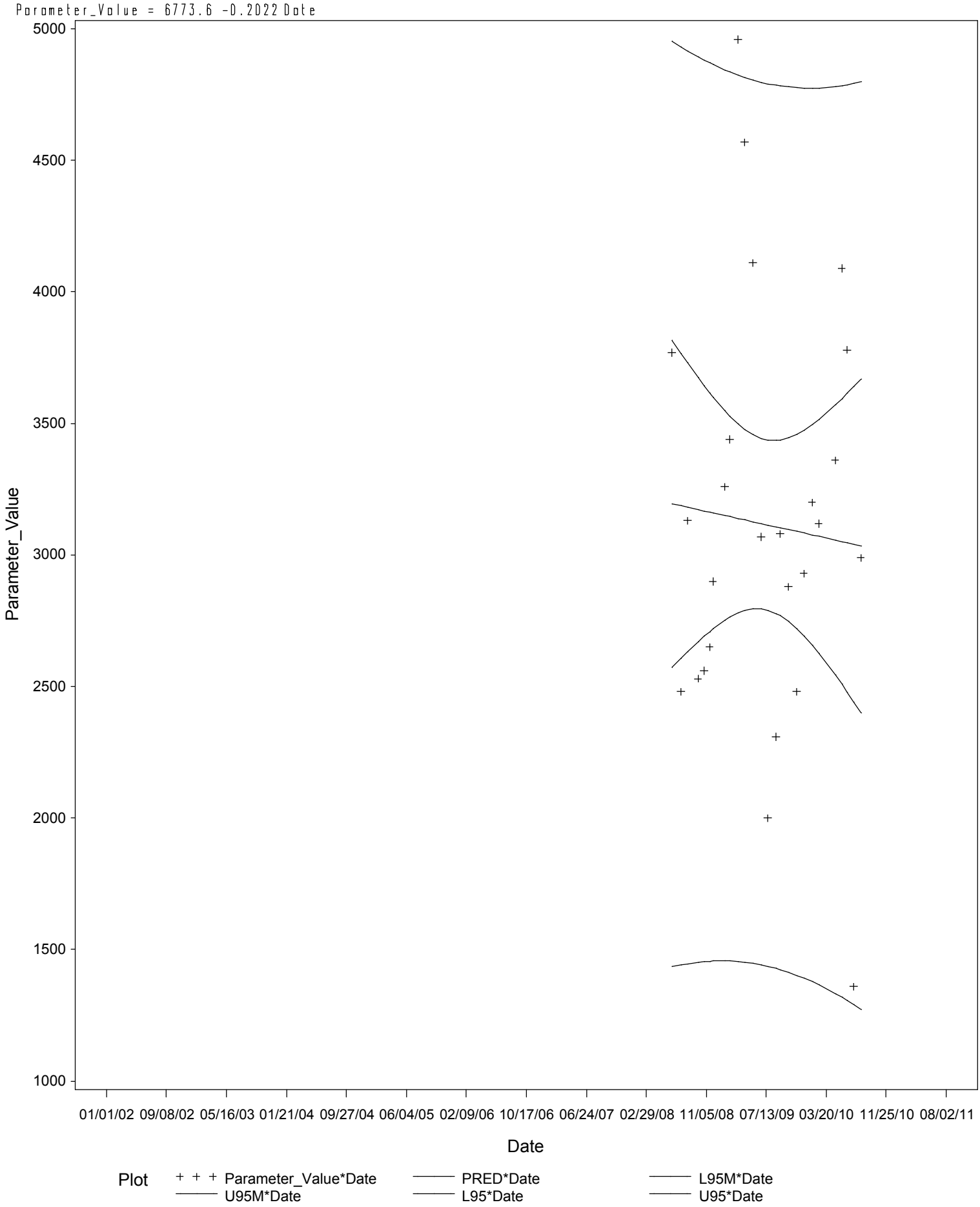
Upper Pecos River

Parameter=SULFATE (MG/L AS SO4) Station=15114

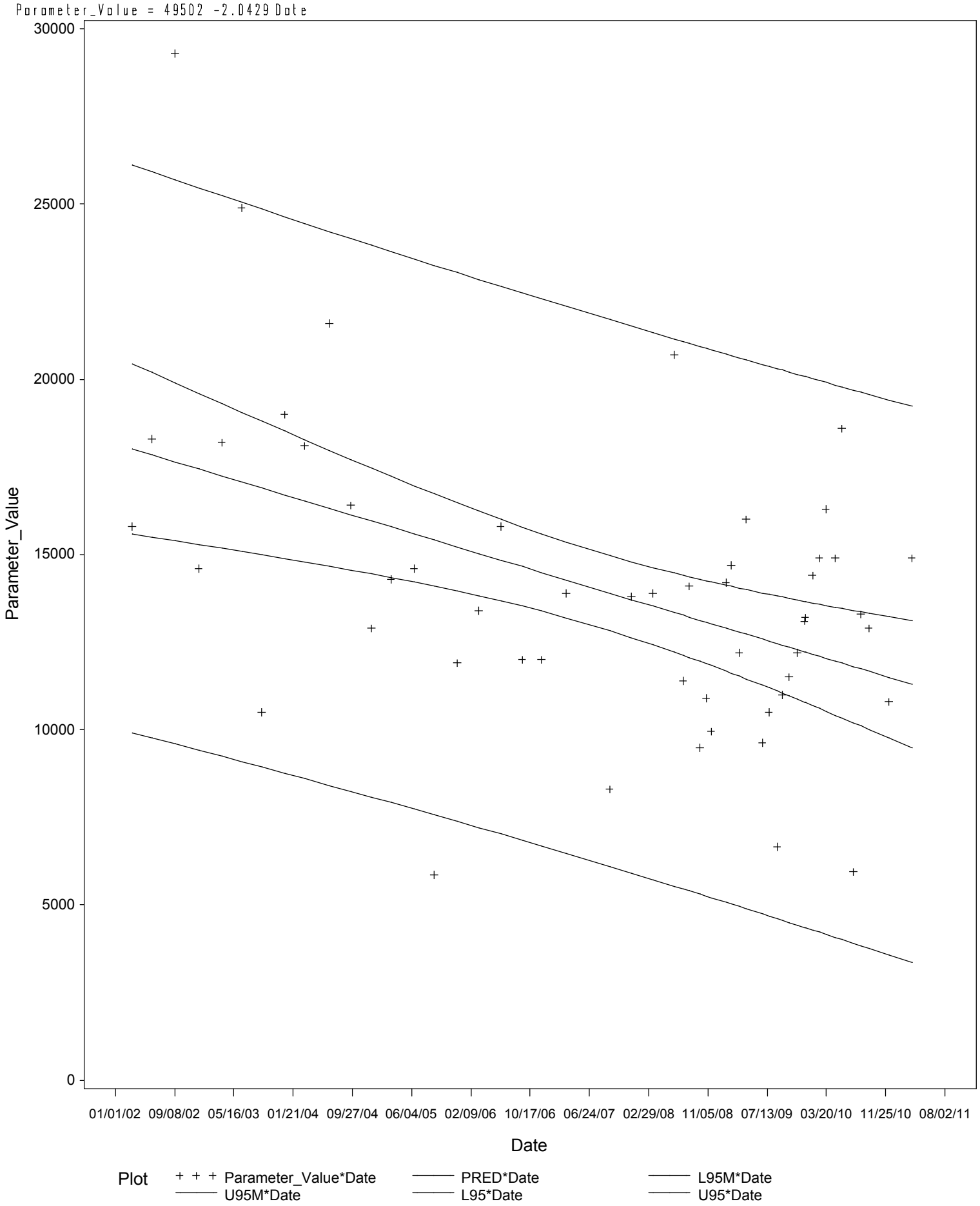


Upper Pecos River

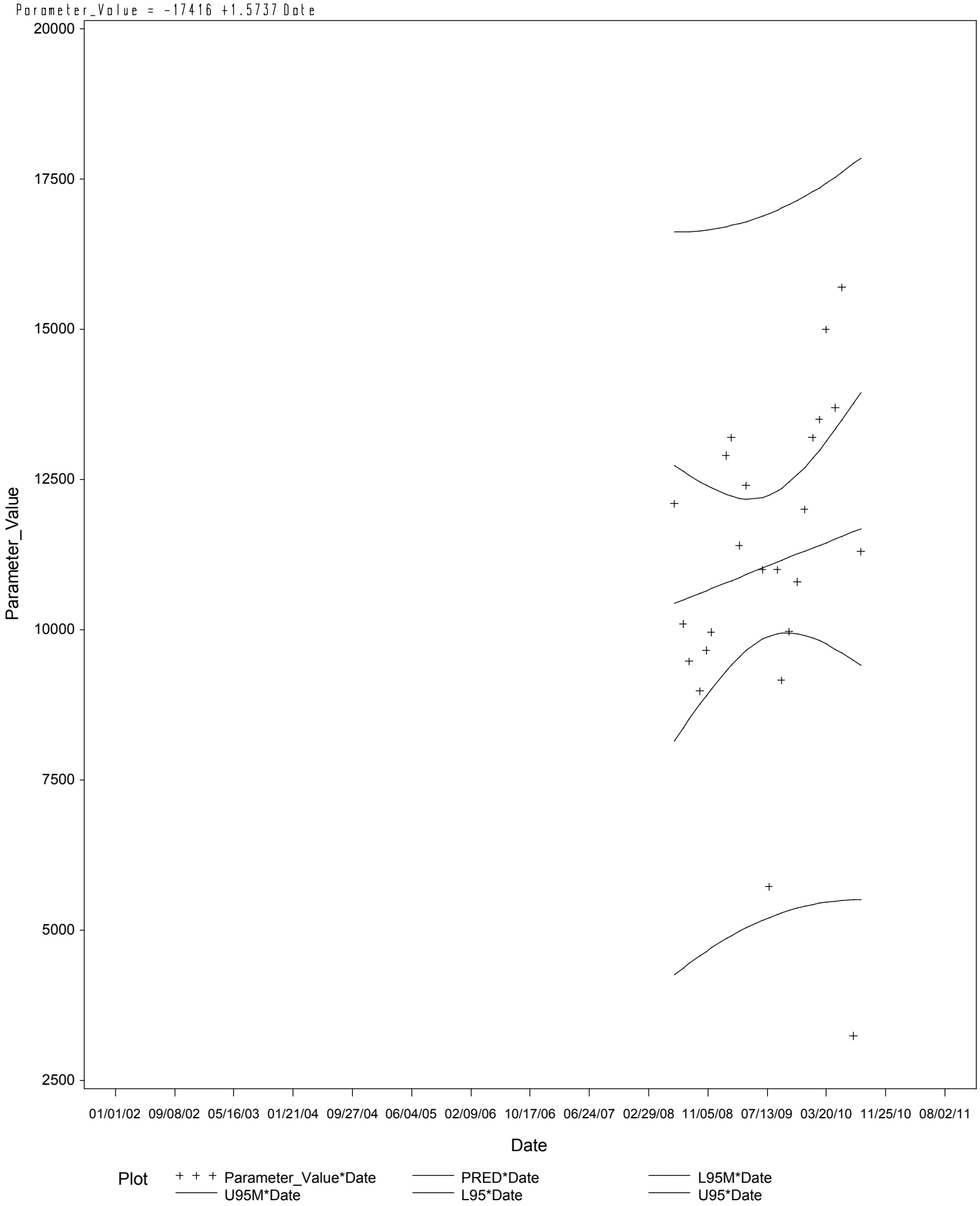
Parameter=SULFATE (MG/L AS SO4) Station=20399



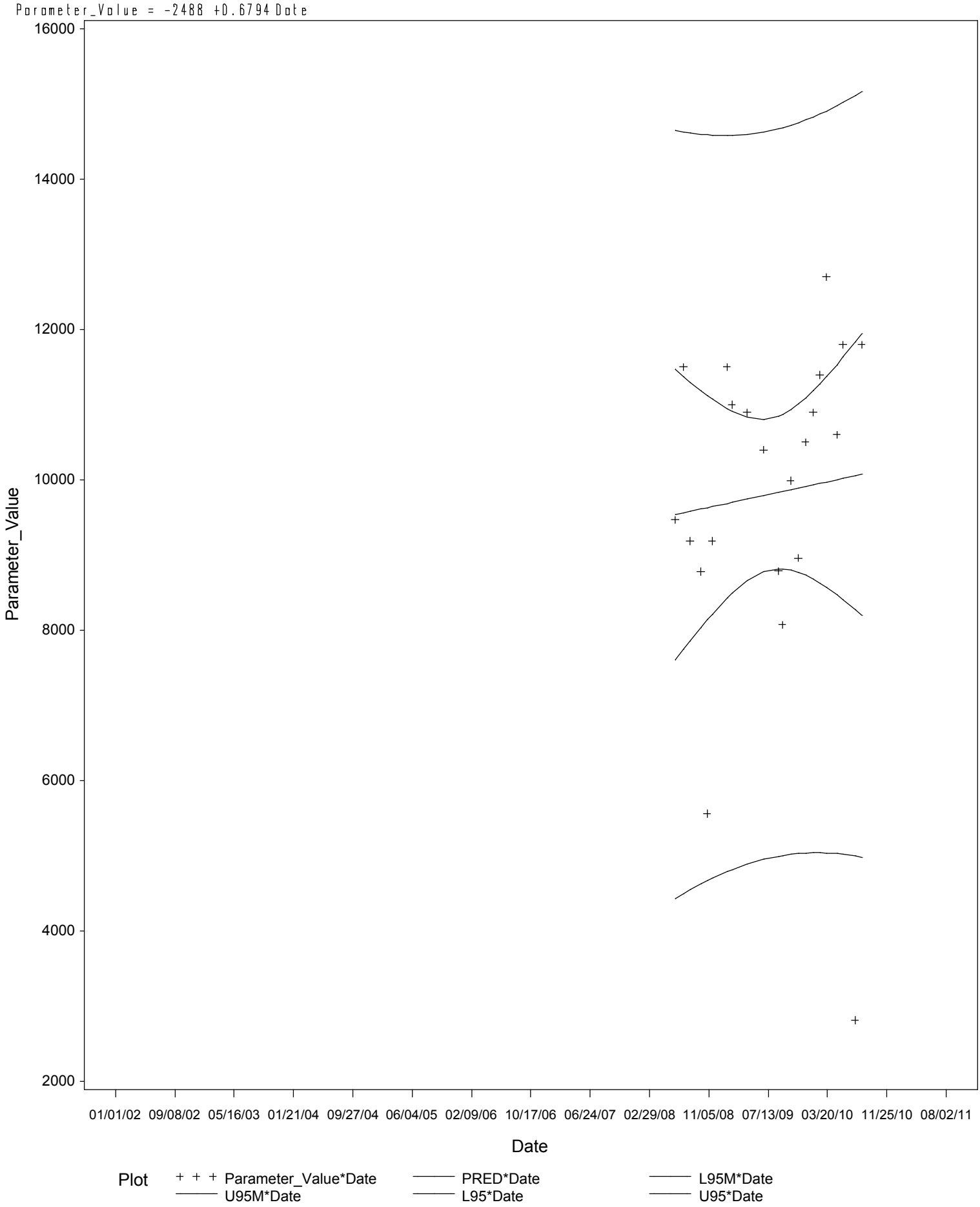
Upper Pecos River
Parameter=TDS (MG/L) Station=13257



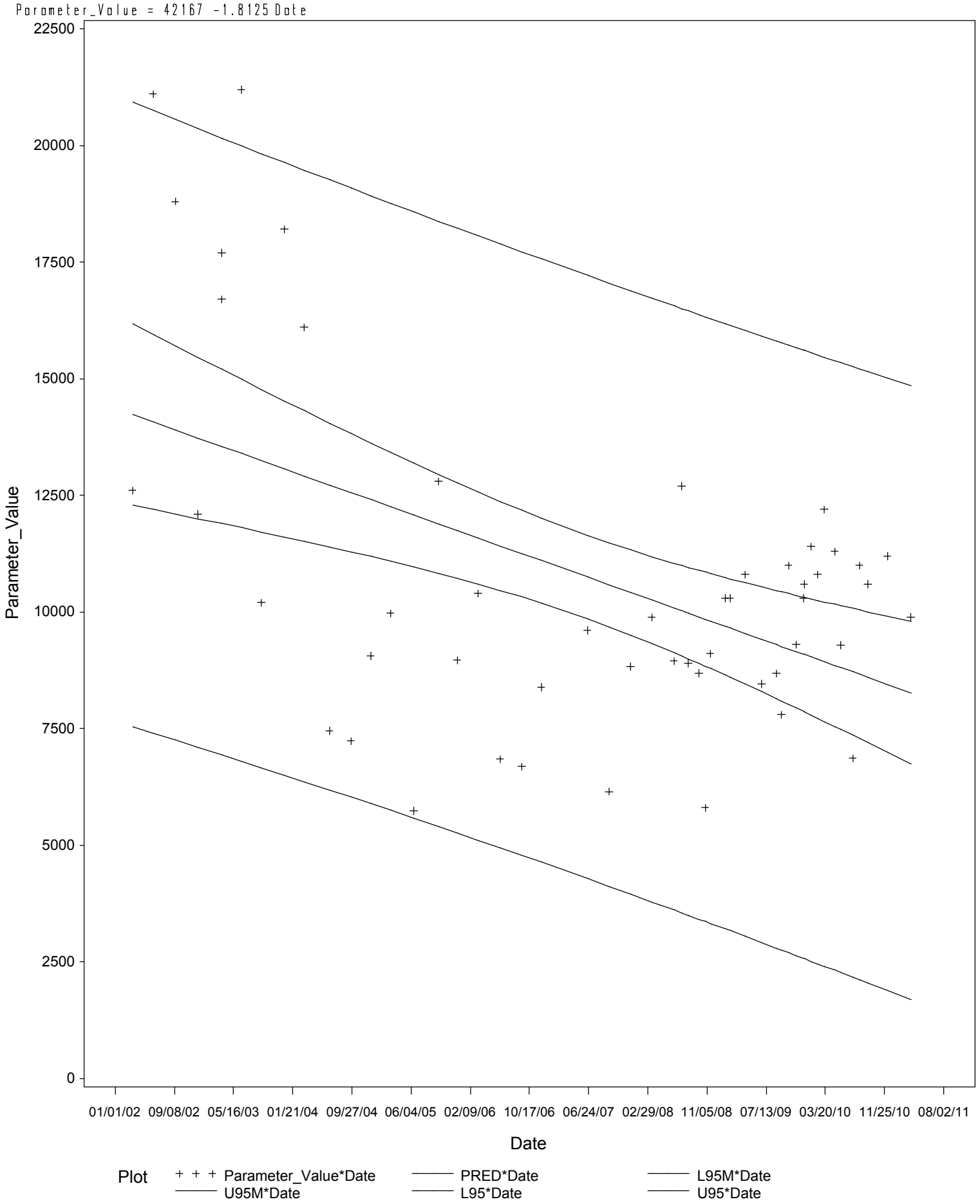
Upper Pecos River
Parameter=TDS (MG/L) Station=13258



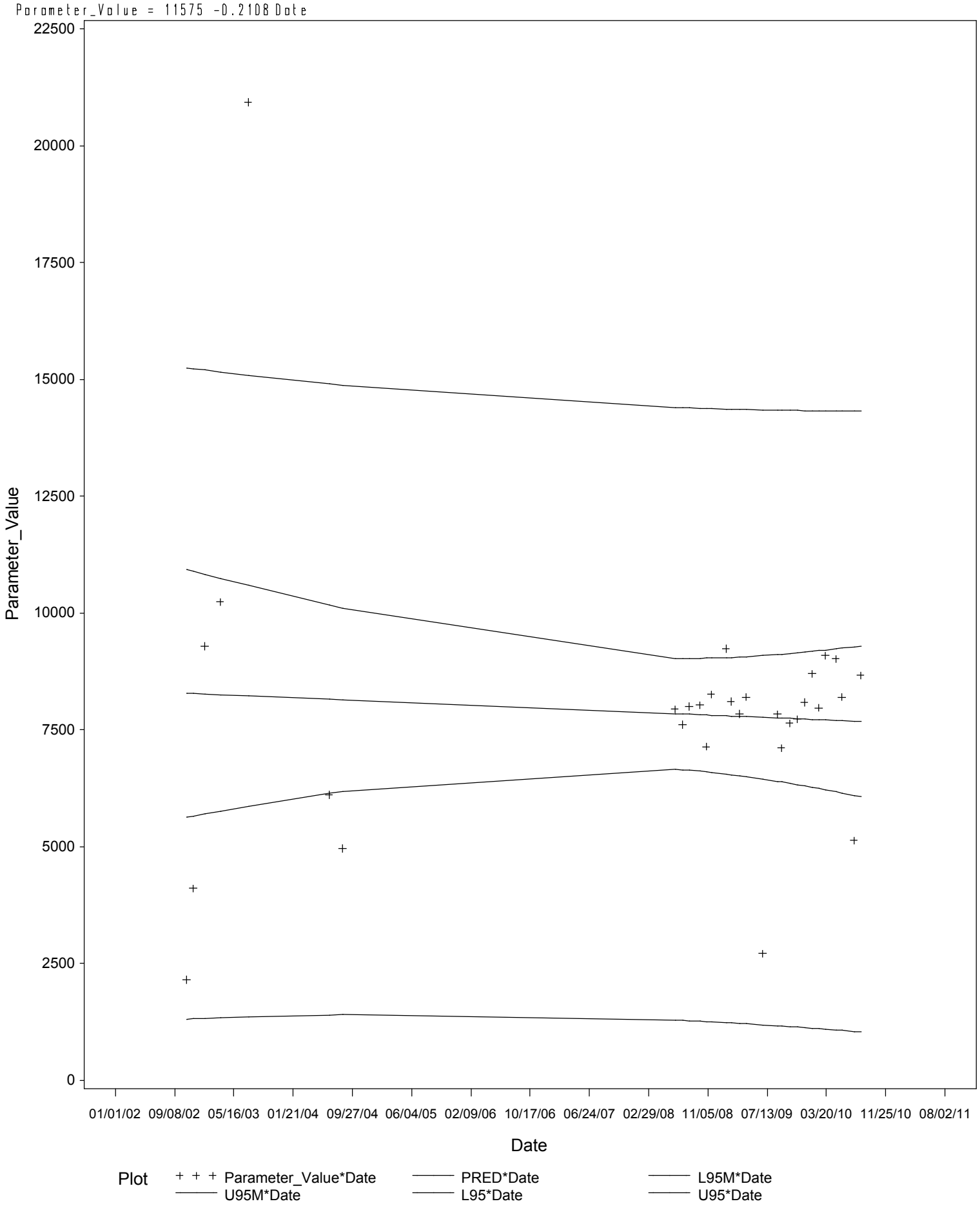
Upper Pecos River
Parameter=TDS (MG/L) Station=13259



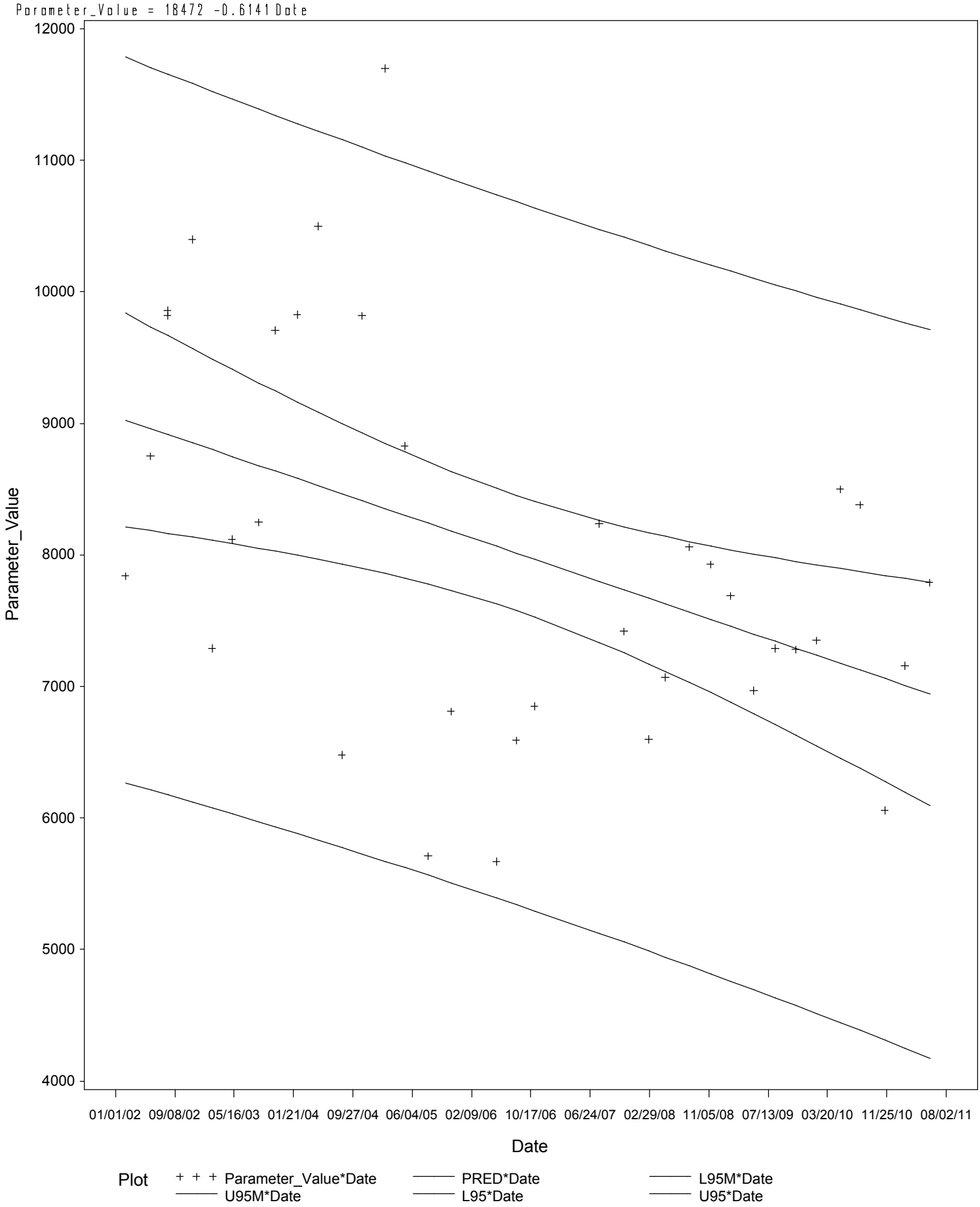
Upper Pecos River
Parameter=TDS (MG/L) Station=13260



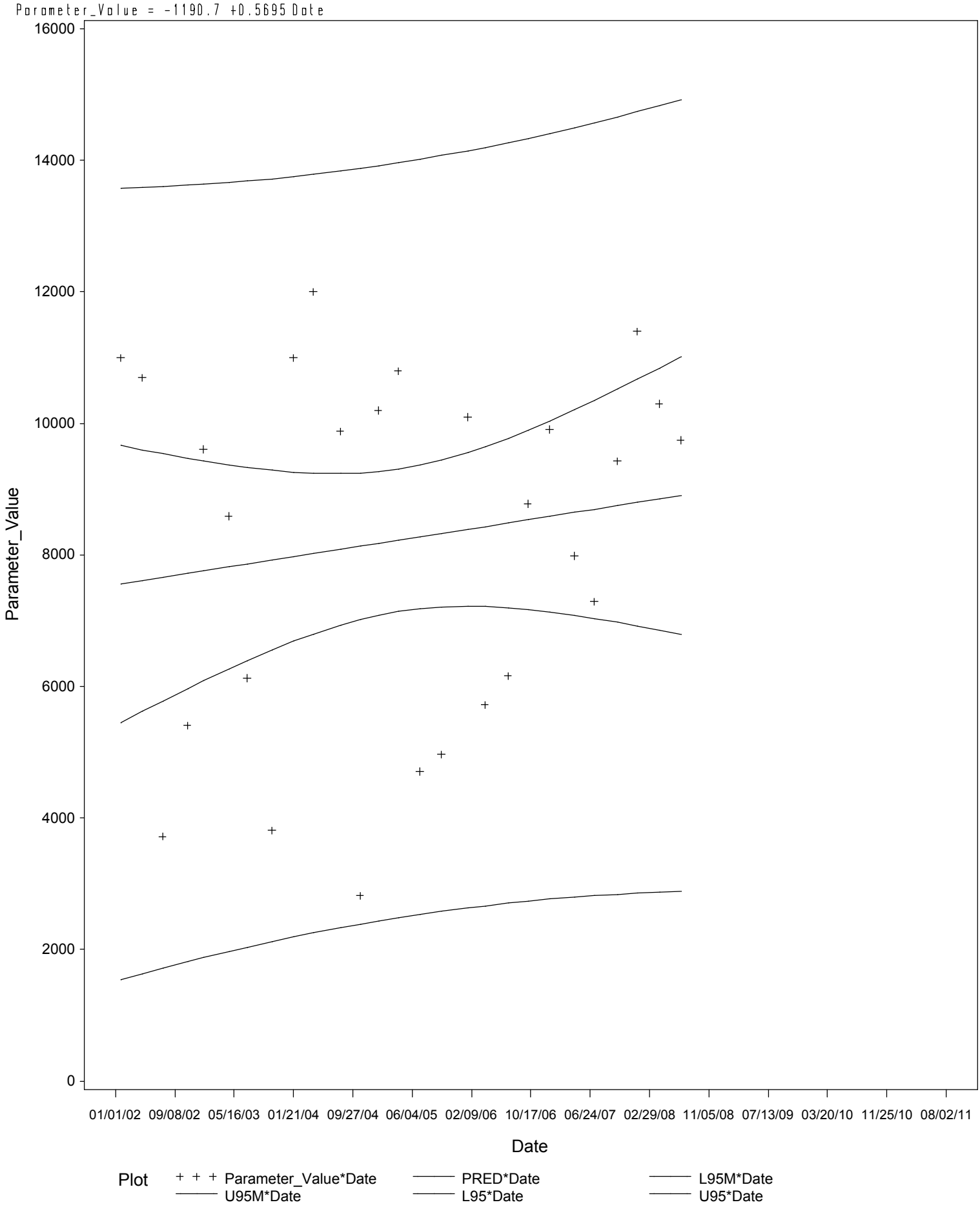
Upper Pecos River
Parameter=TDS (MG/L) Station=13261



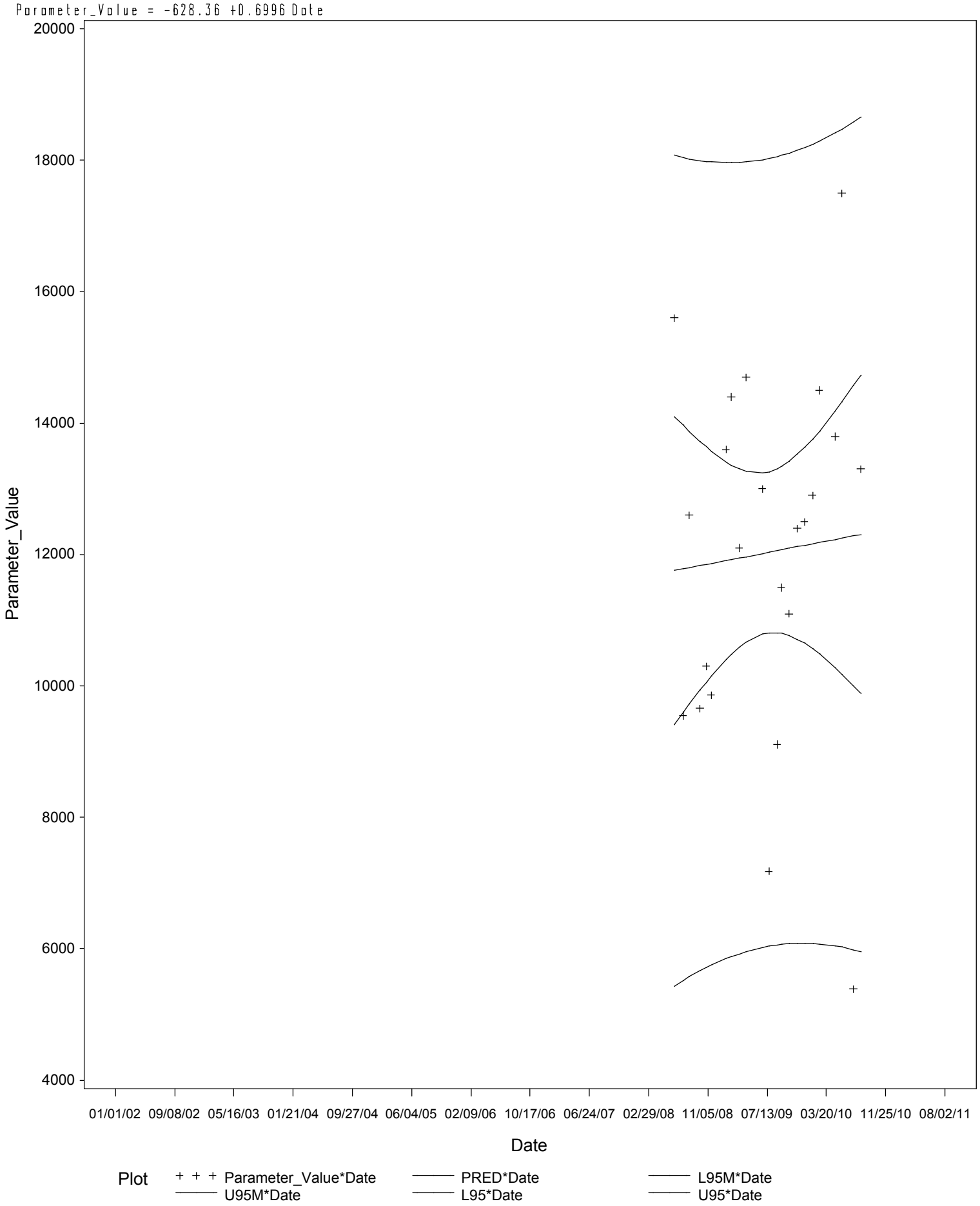
Upper Pecos River
Parameter=TDS (MG/L) Station=13265



Upper Pecos River
Parameter=TDS (MG/L) Station=15114

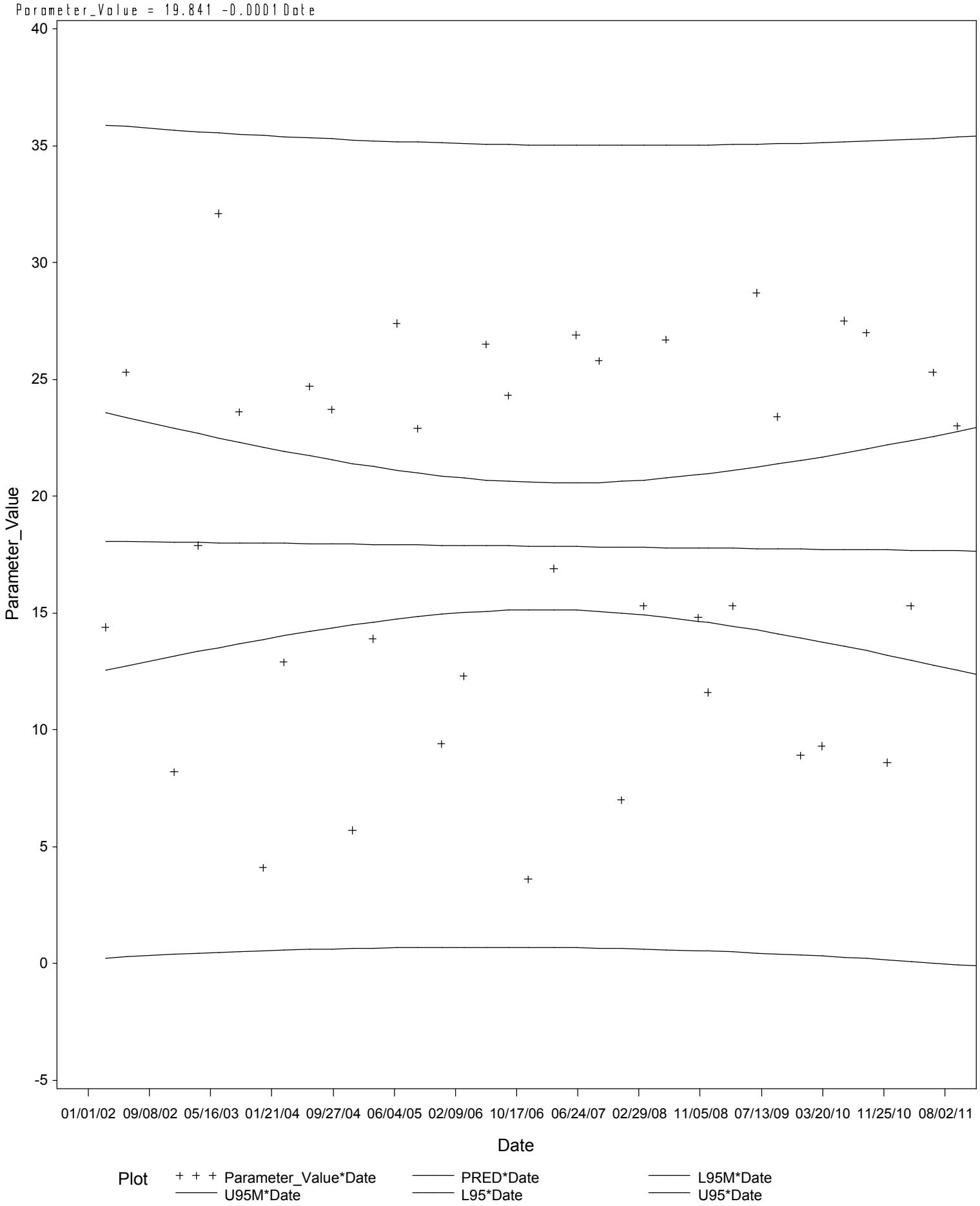


Upper Pecos River
Parameter=TDS (MG/L) Station=20399



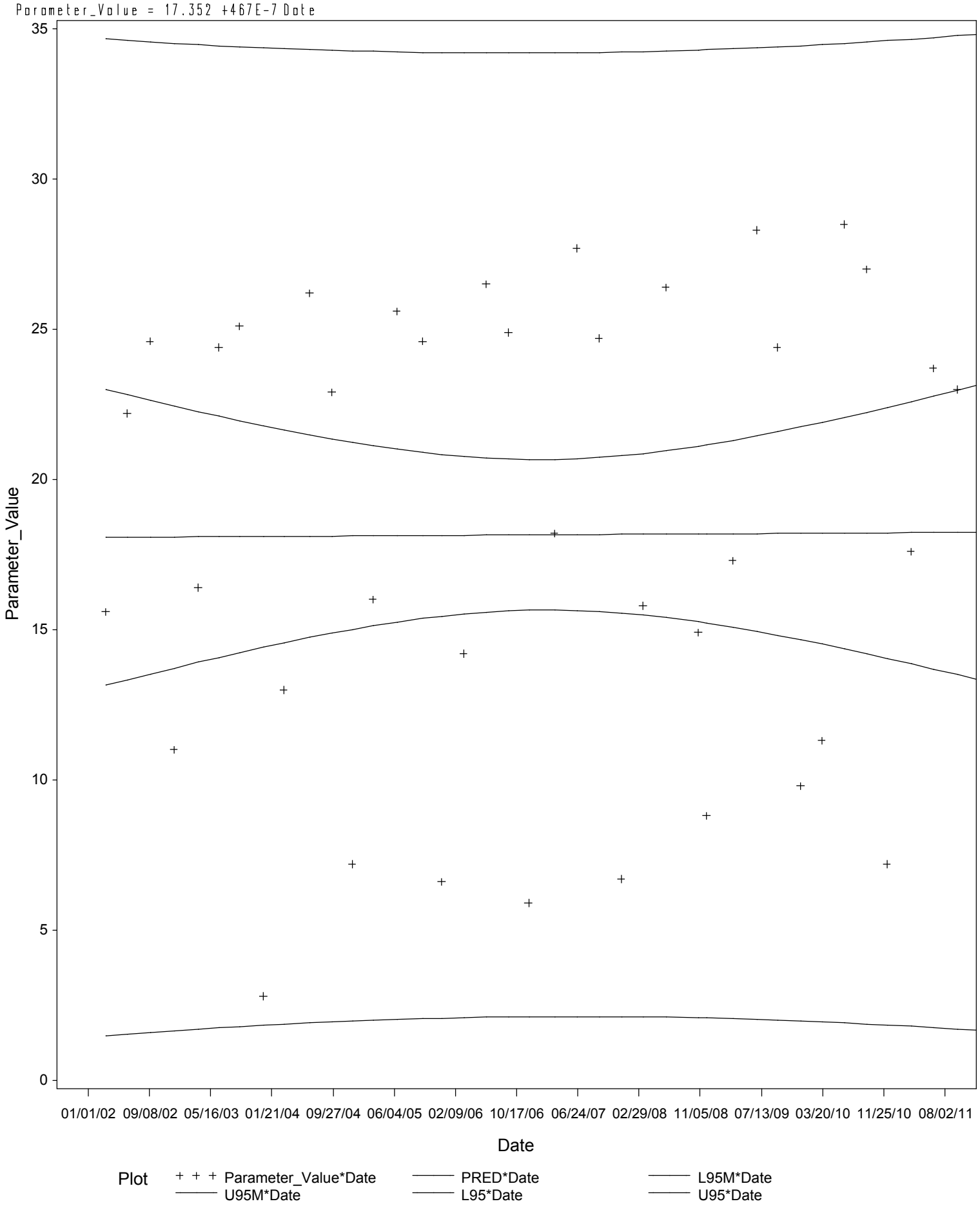
Upper Pecos River

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13257



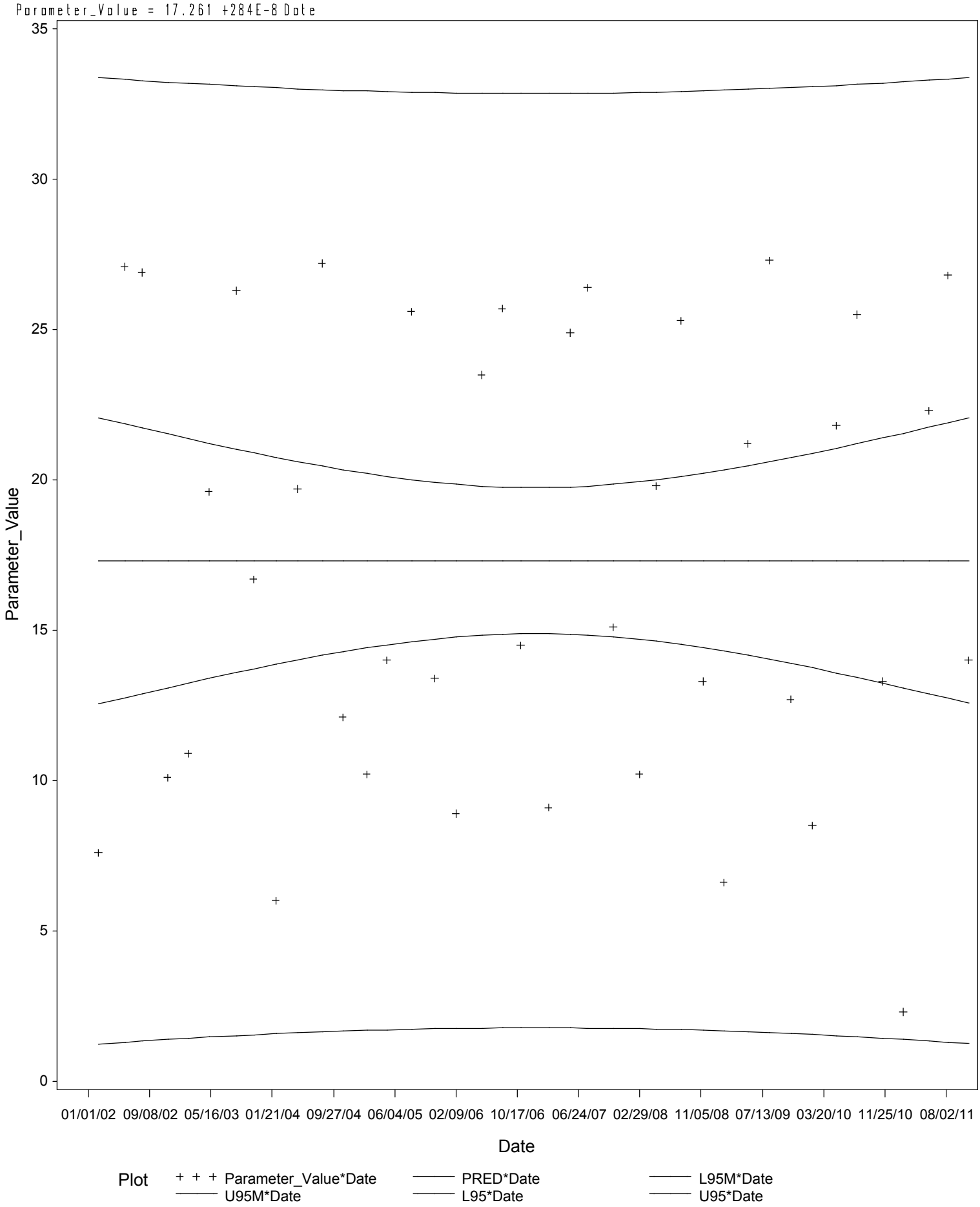
Upper Pecos River

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13260



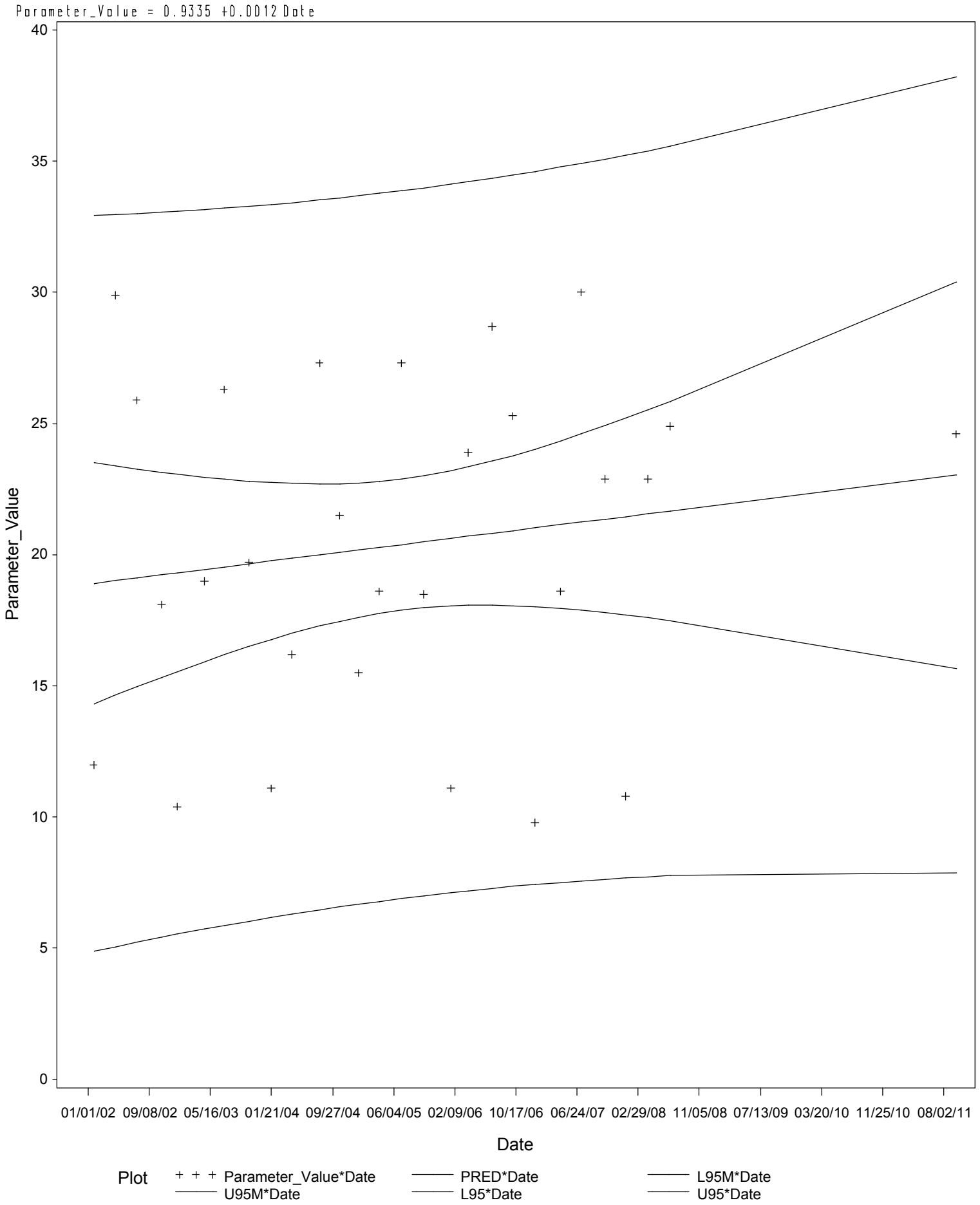
Upper Pecos River

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13265

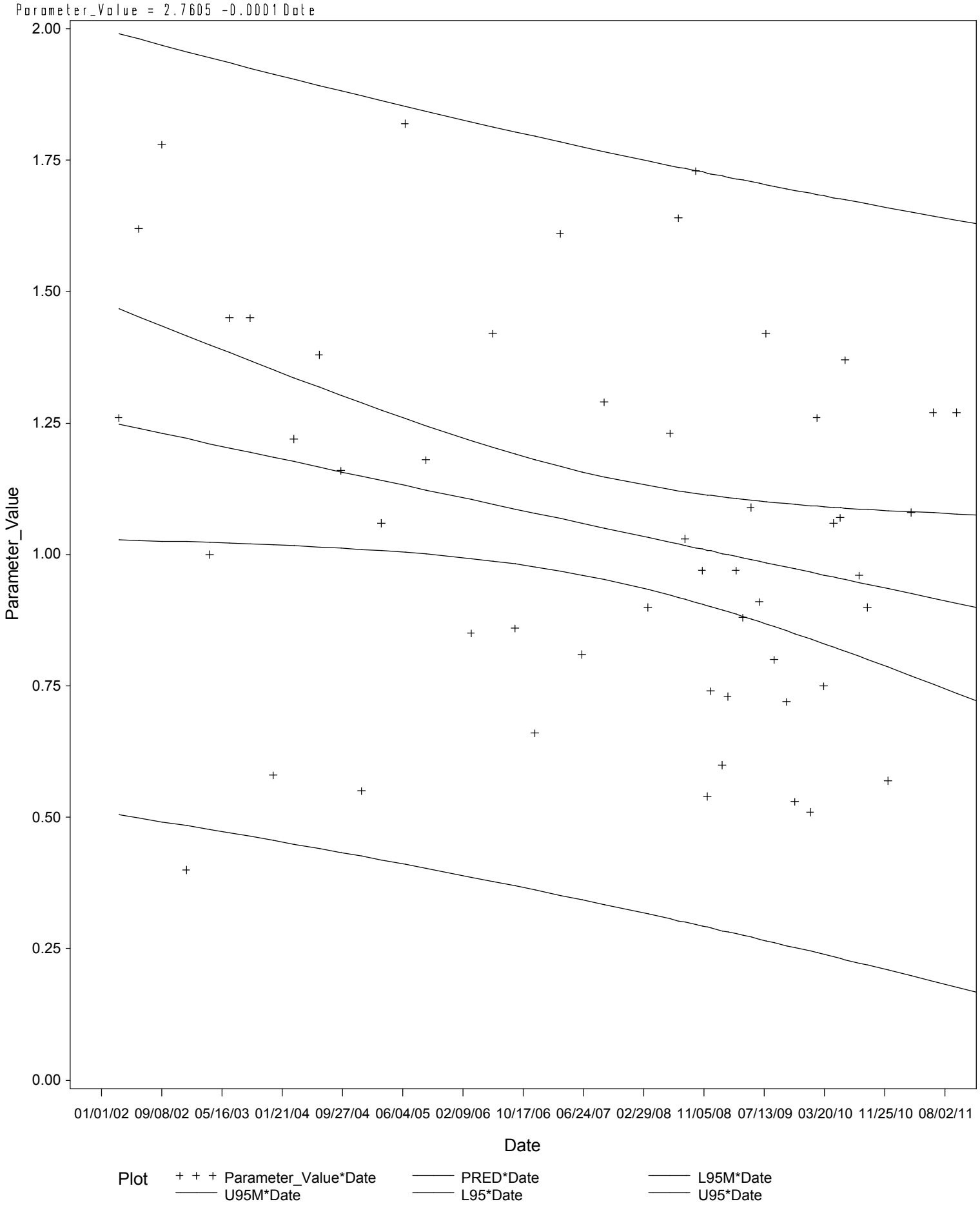


Upper Pecos River

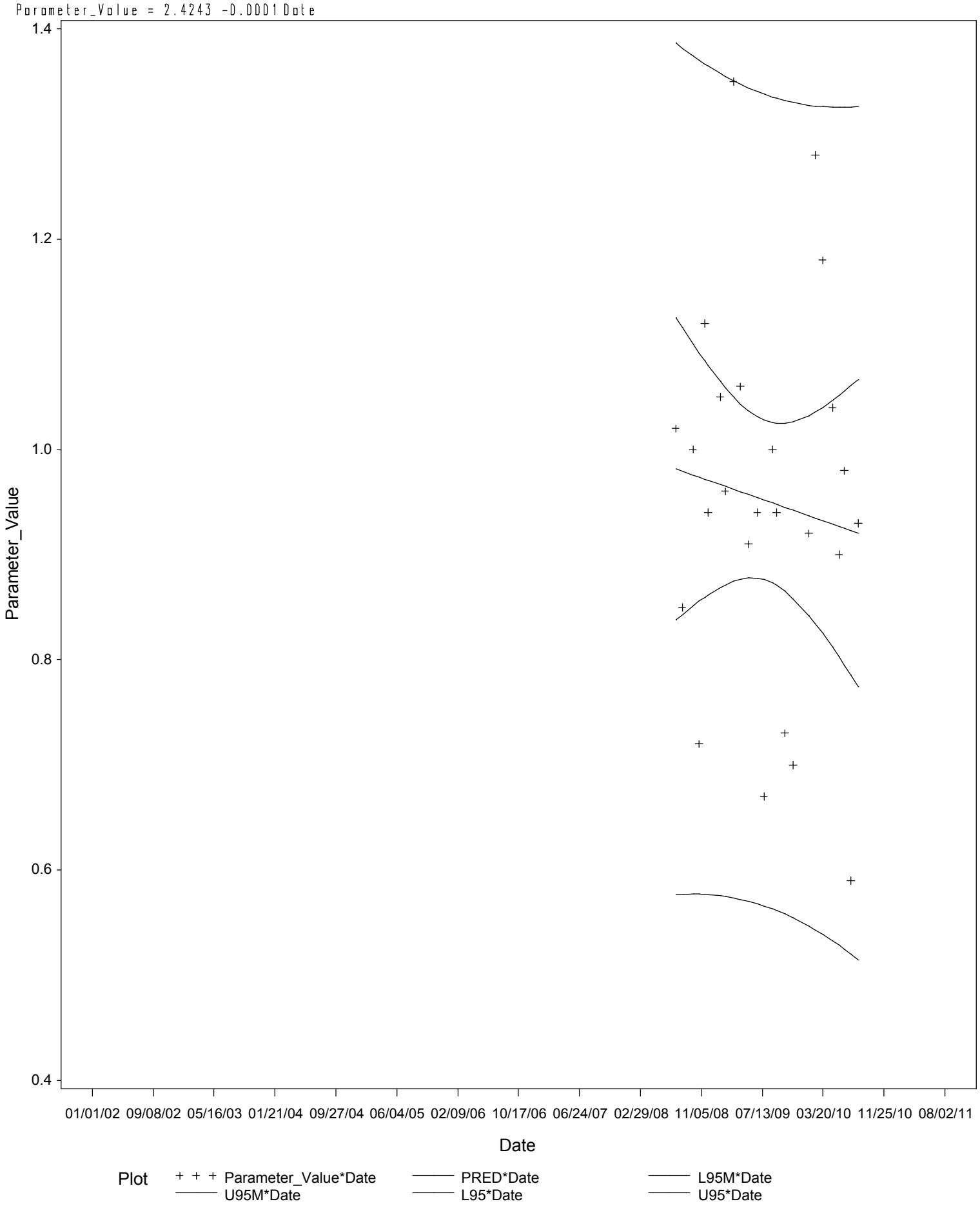
Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15114



Upper Pecos River
Parameter=TKN (MG/L AS N) Station=13257

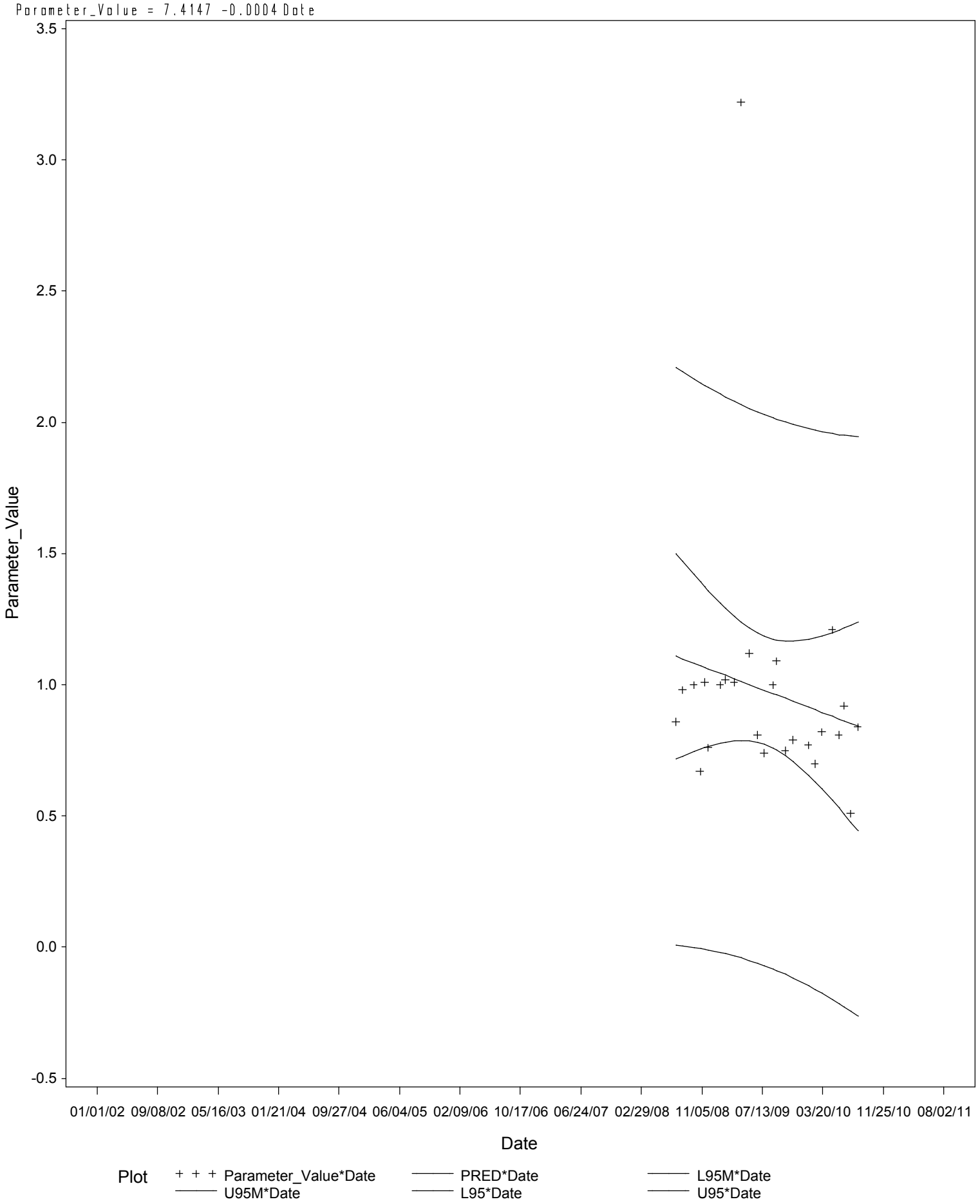


Upper Pecos River
Parameter=TKN (MG/L AS N) Station=13258



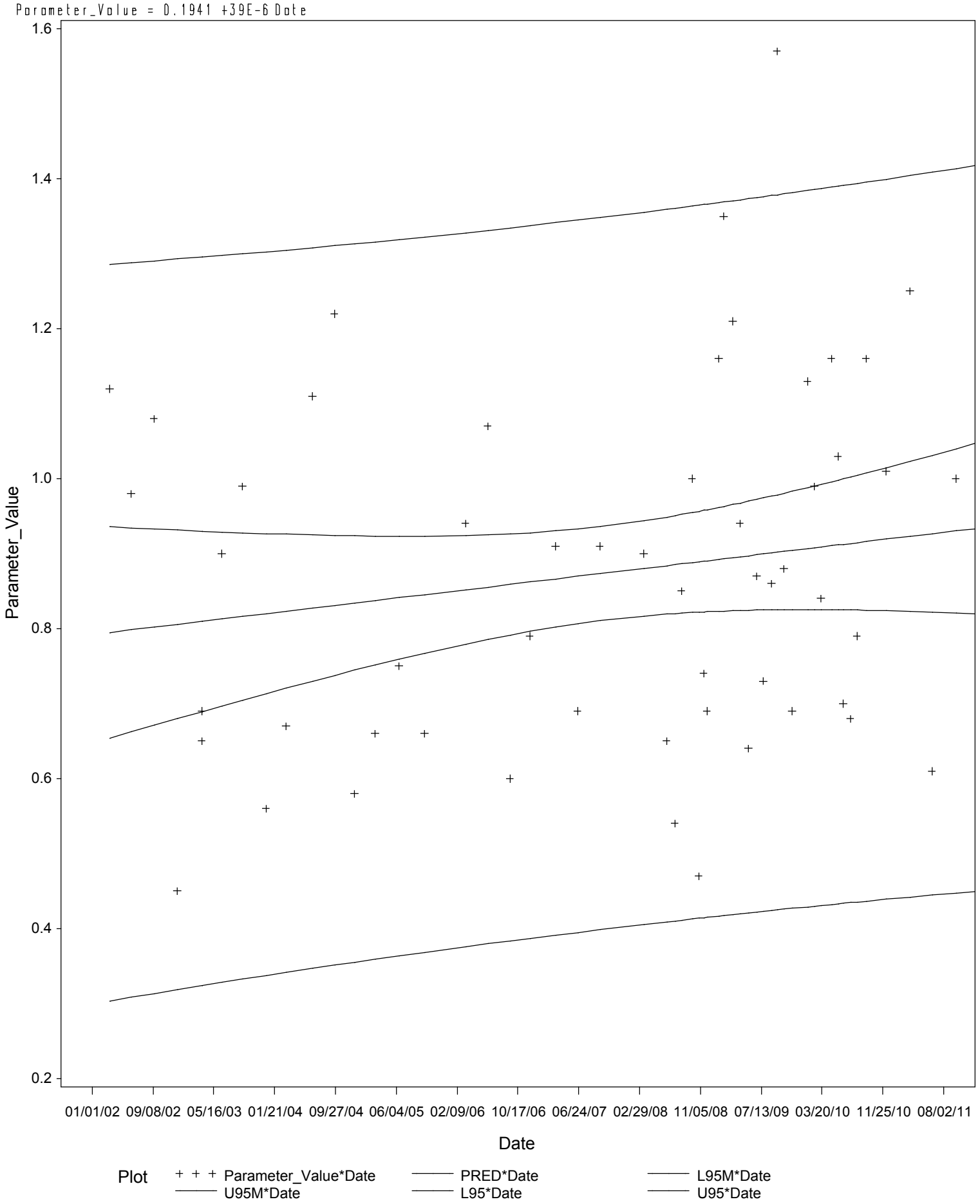
Upper Pecos River

Parameter=TKN (MG/L AS N) Station=13259



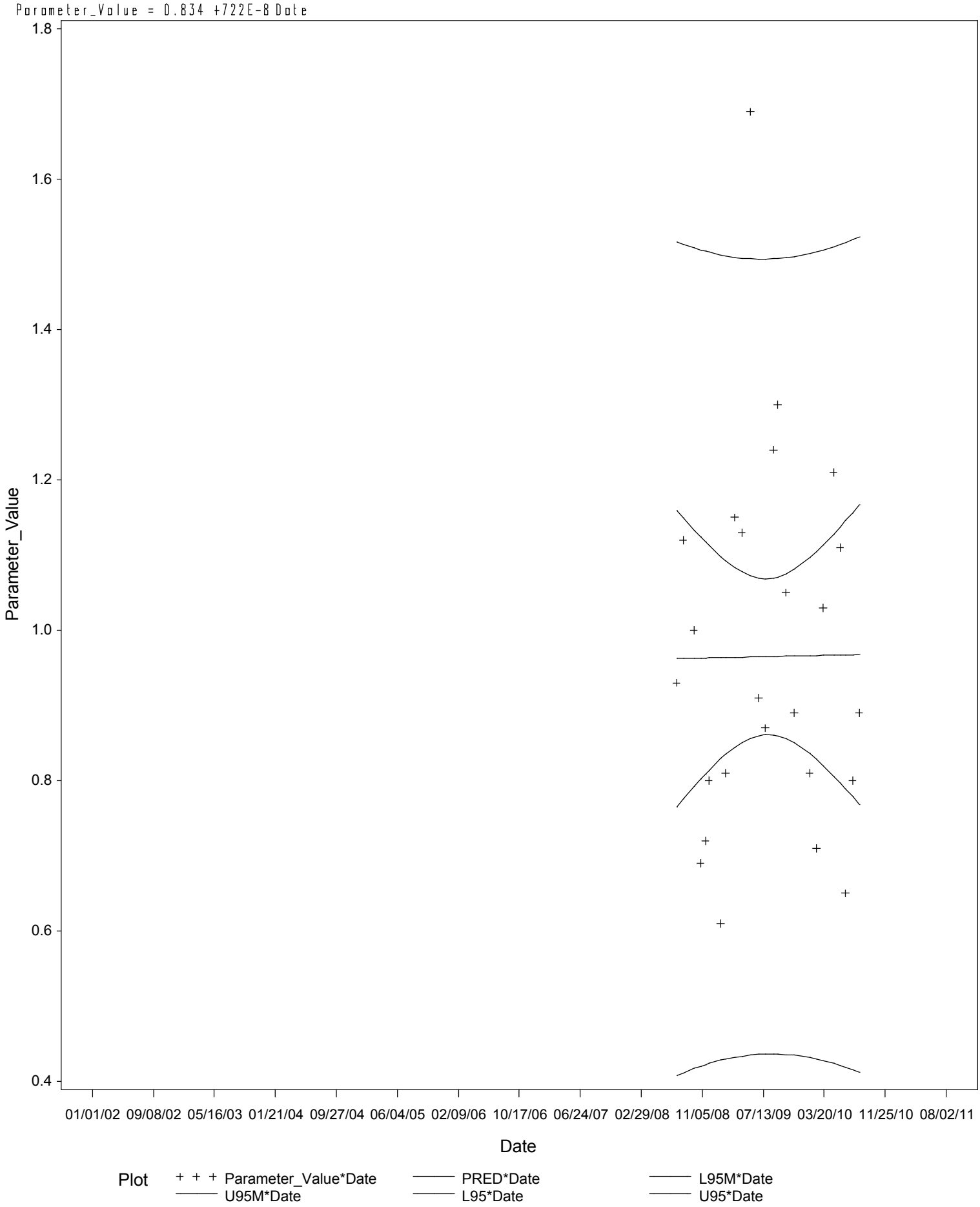
Upper Pecos River

Parameter=TKN (MG/L AS N) Station=13260



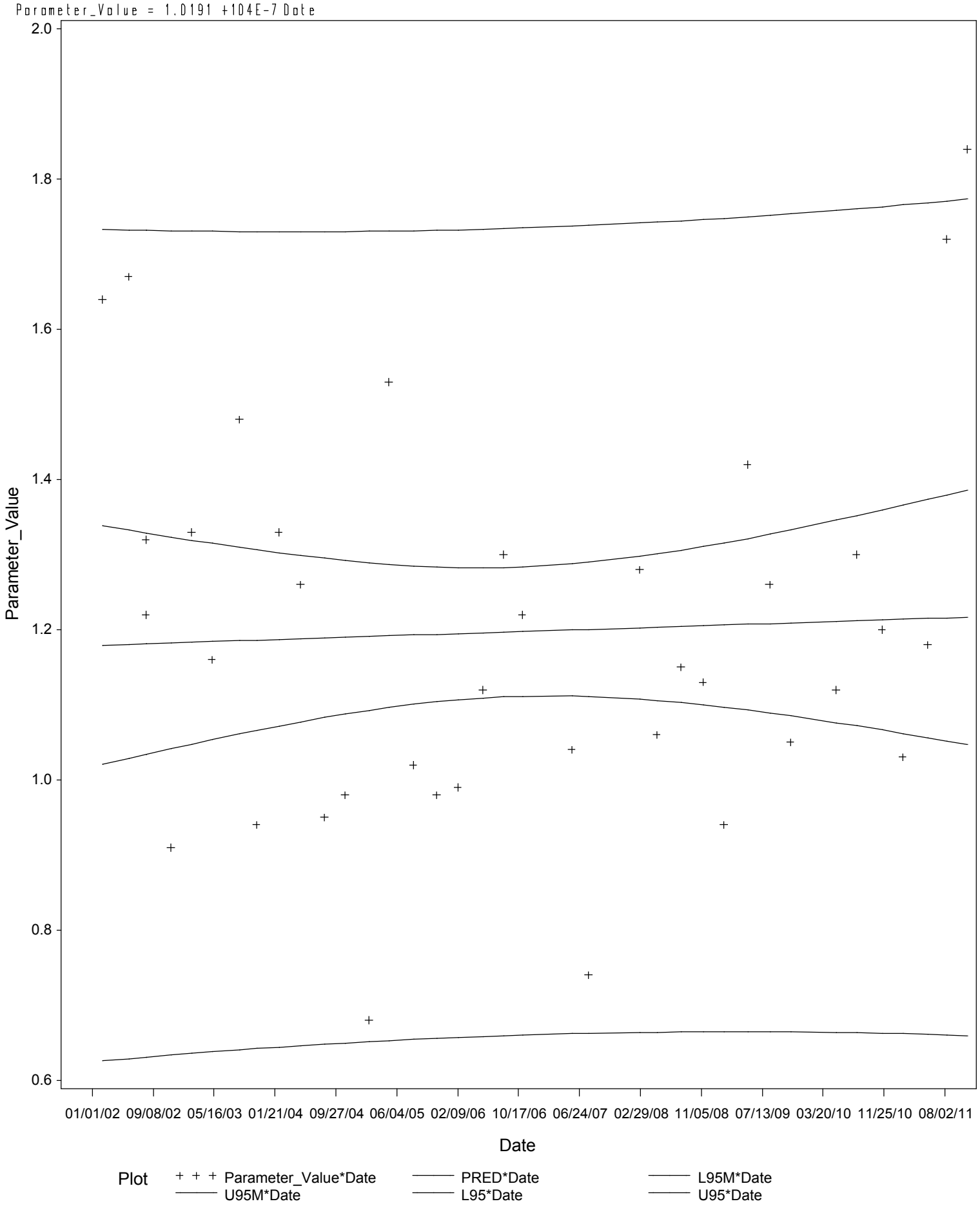
Upper Pecos River

Parameter=TKN (MG/L AS N) Station=13261



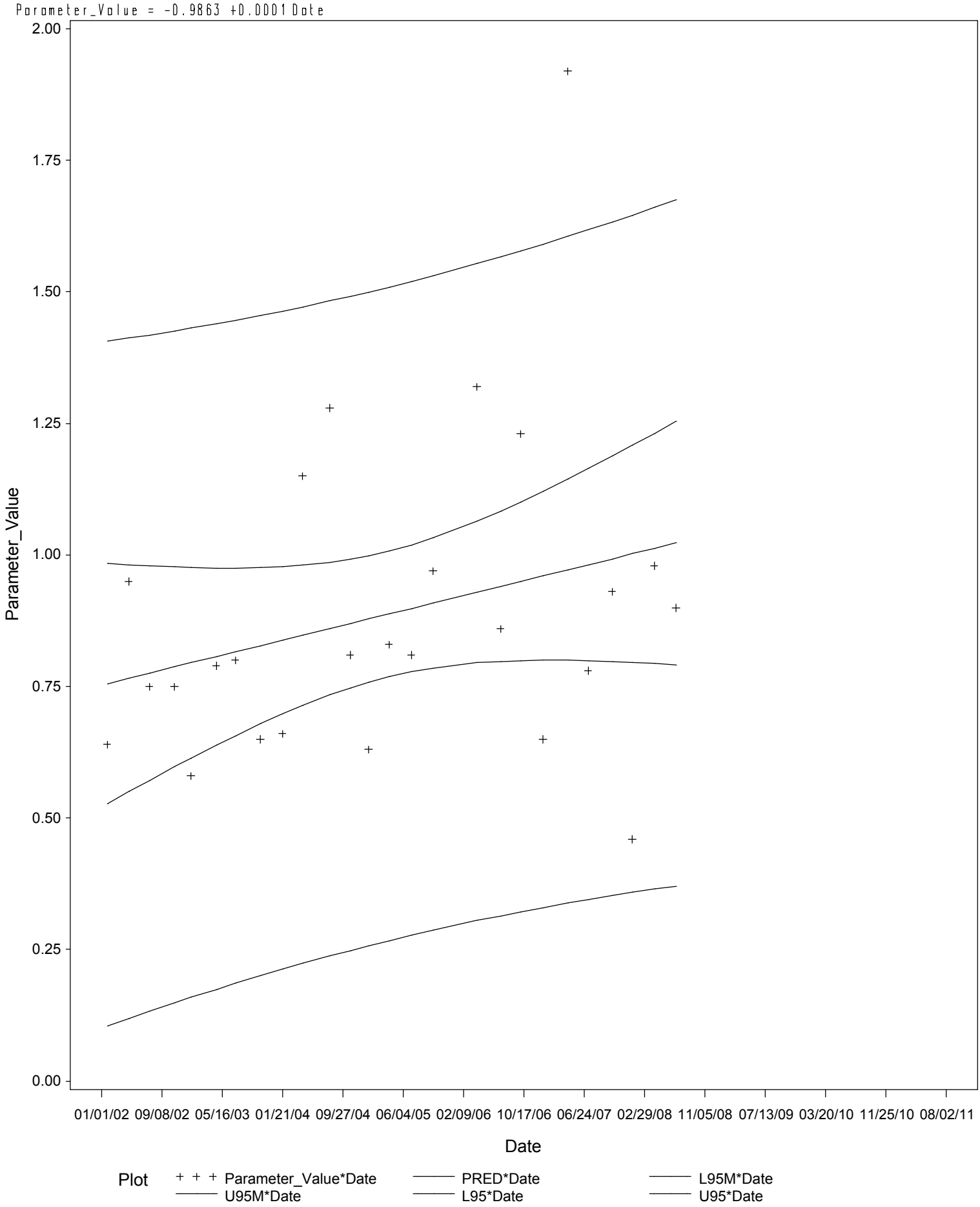
Upper Pecos River

Parameter=TKN (MG/L AS N) Station=13265

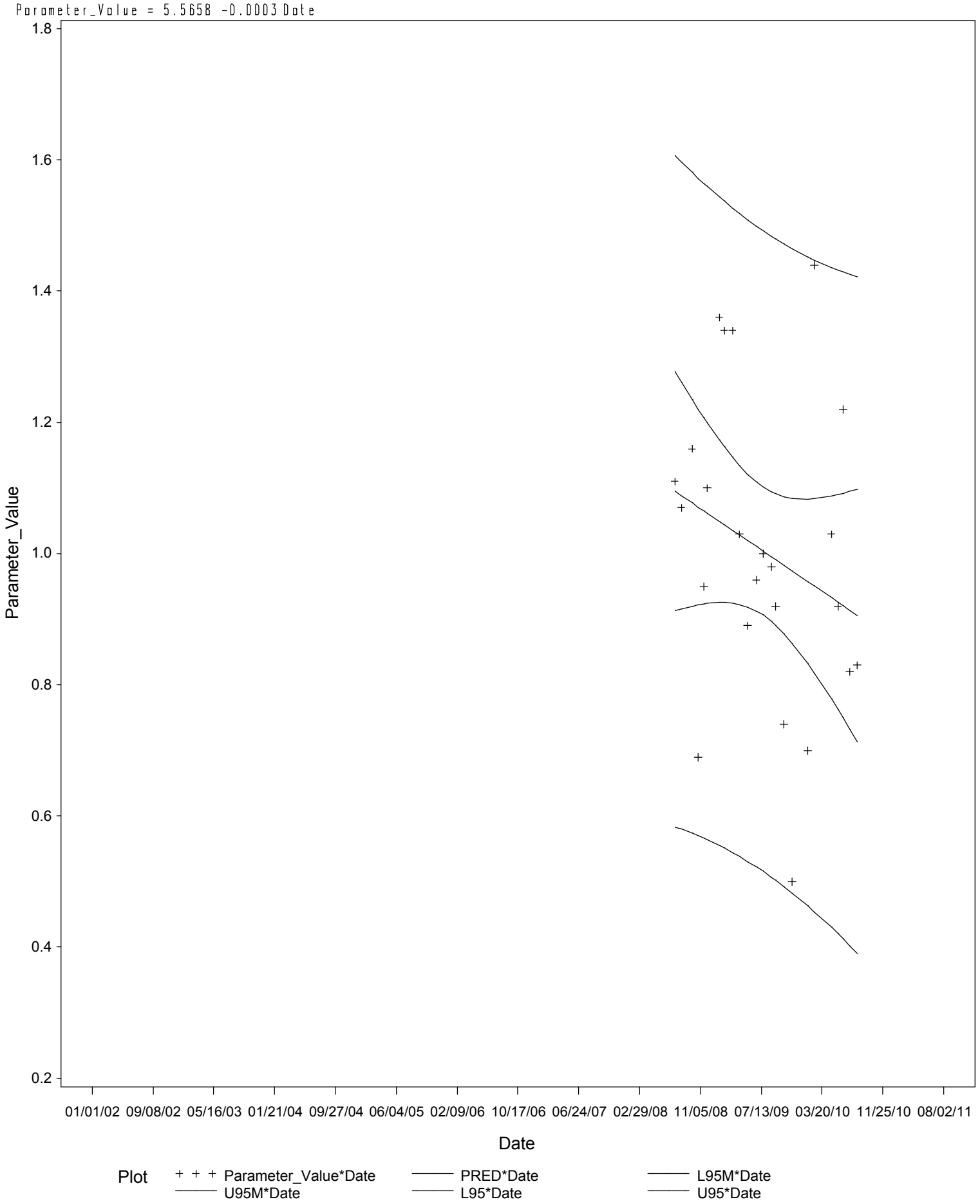


Upper Pecos River

Parameter=TKN (MG/L AS N) Station=15114

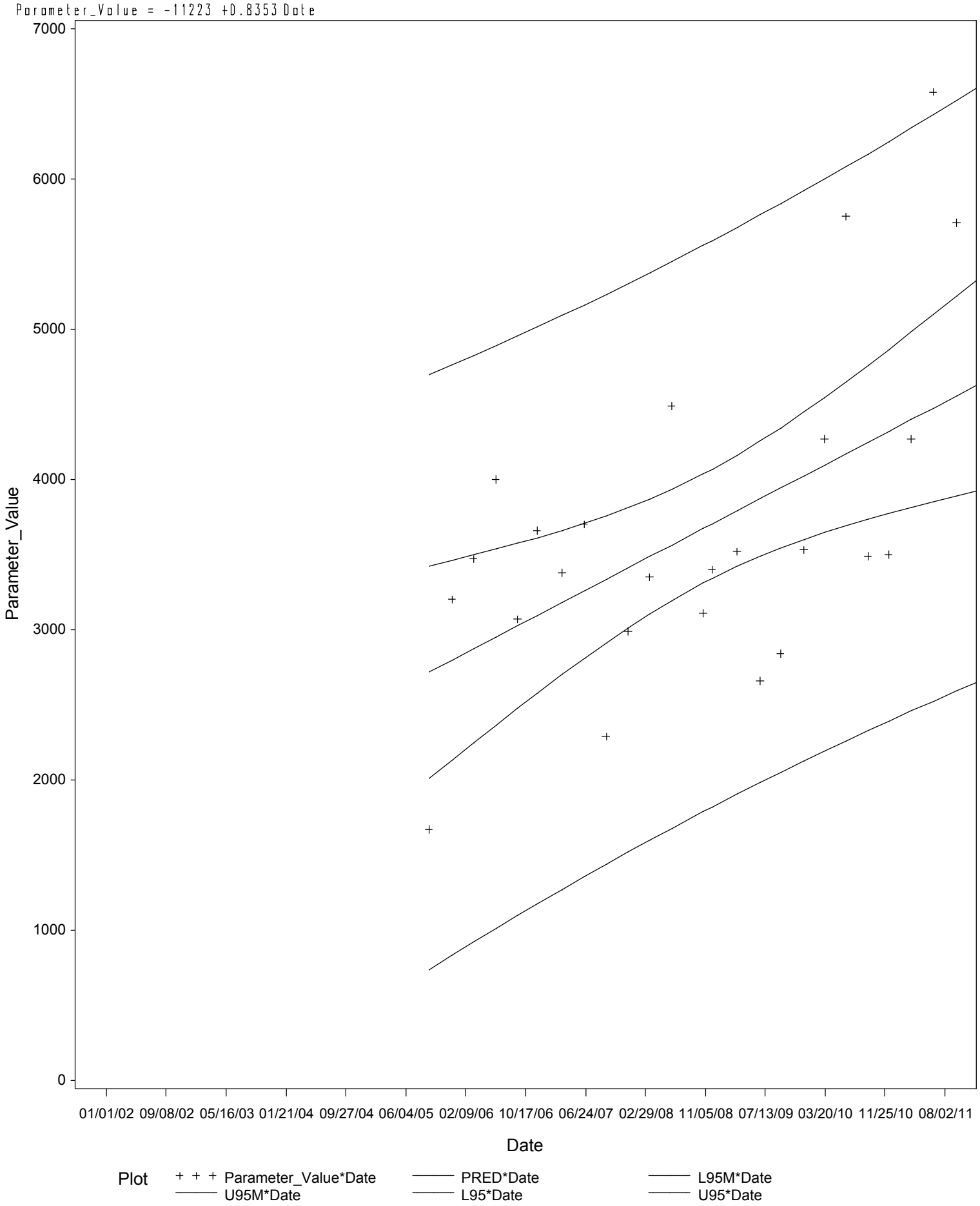


Upper Pecos River
Parameter=TKN (MG/L AS N) Station=20399



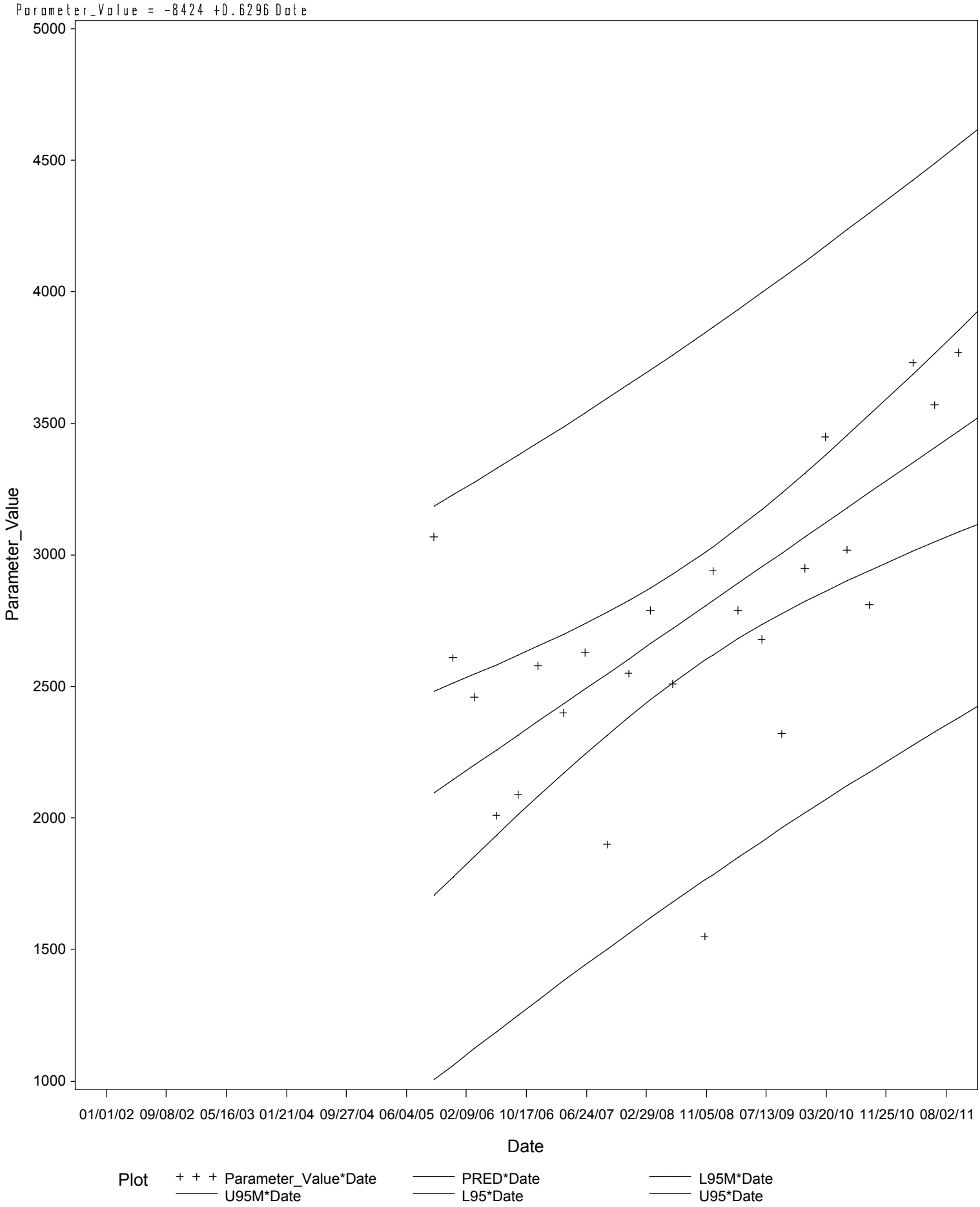
Upper Pecos River

Parameter=TOTAL HARDNESS, (MG/L AS CaCO3) Station=13257



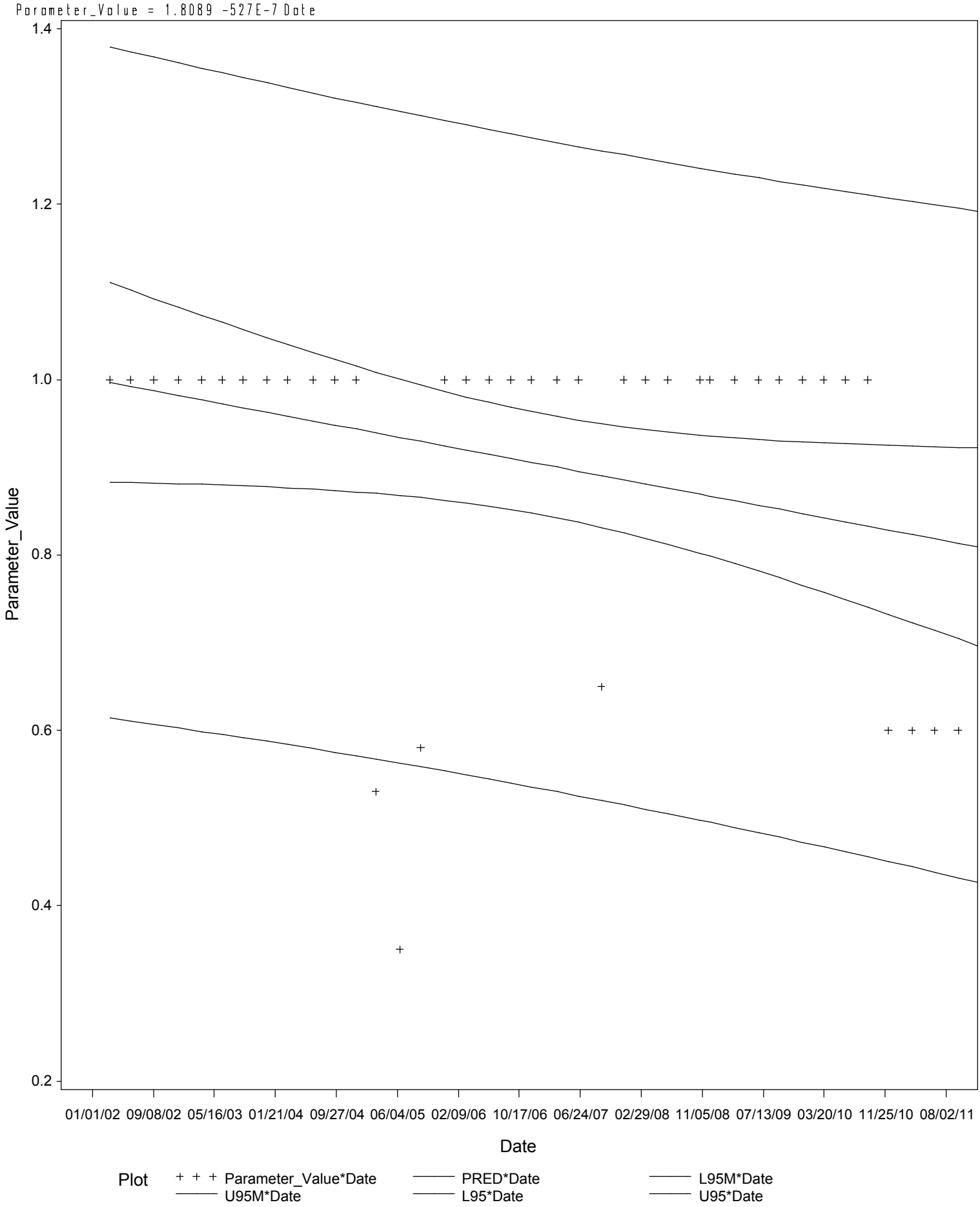
Upper Pecos River

Parameter=TOTAL HARDNESS, (MG/L AS CaCO3) Station=13260



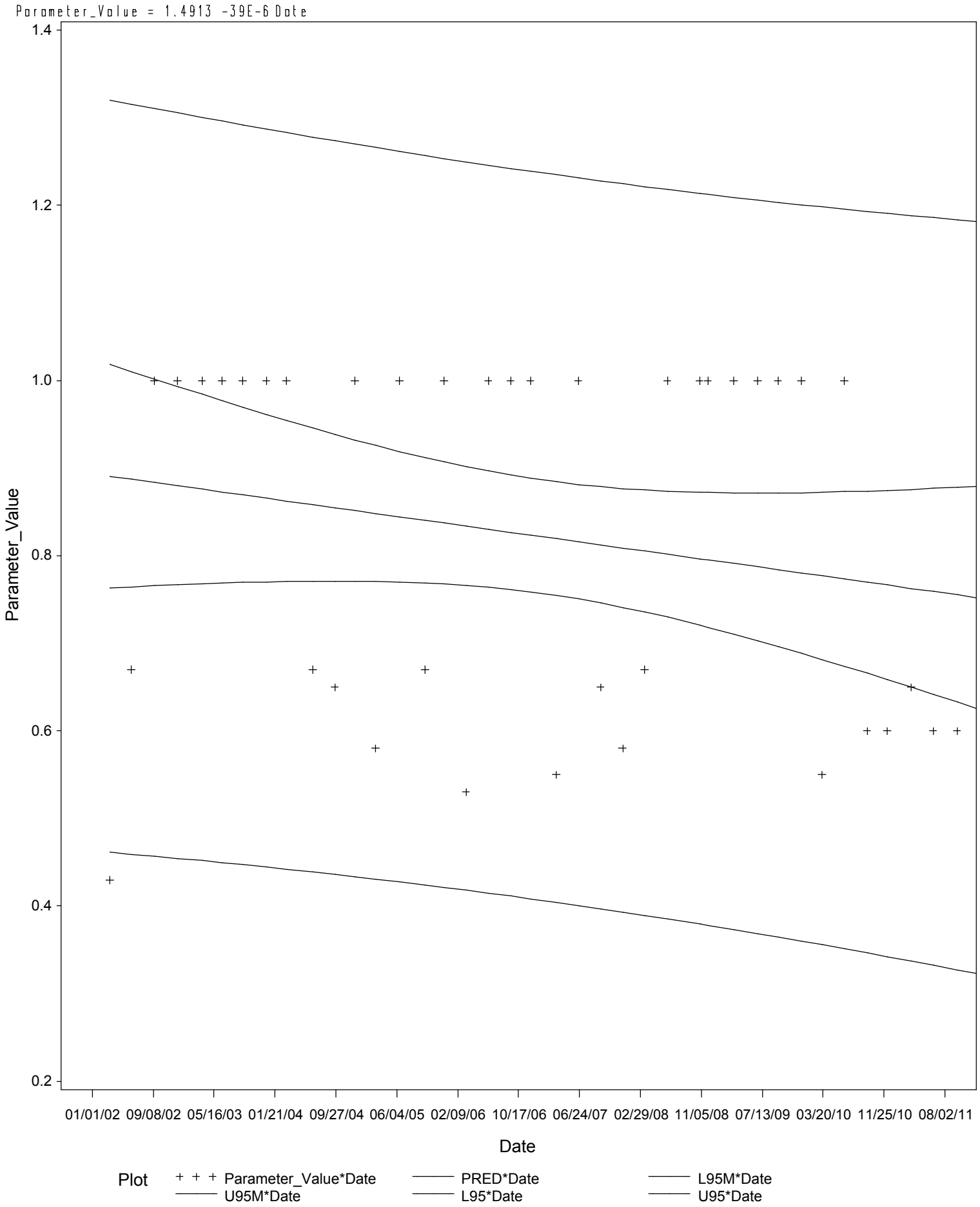
Upper Pecos River

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13257



Upper Pecos River

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13260



Upper Pecos River

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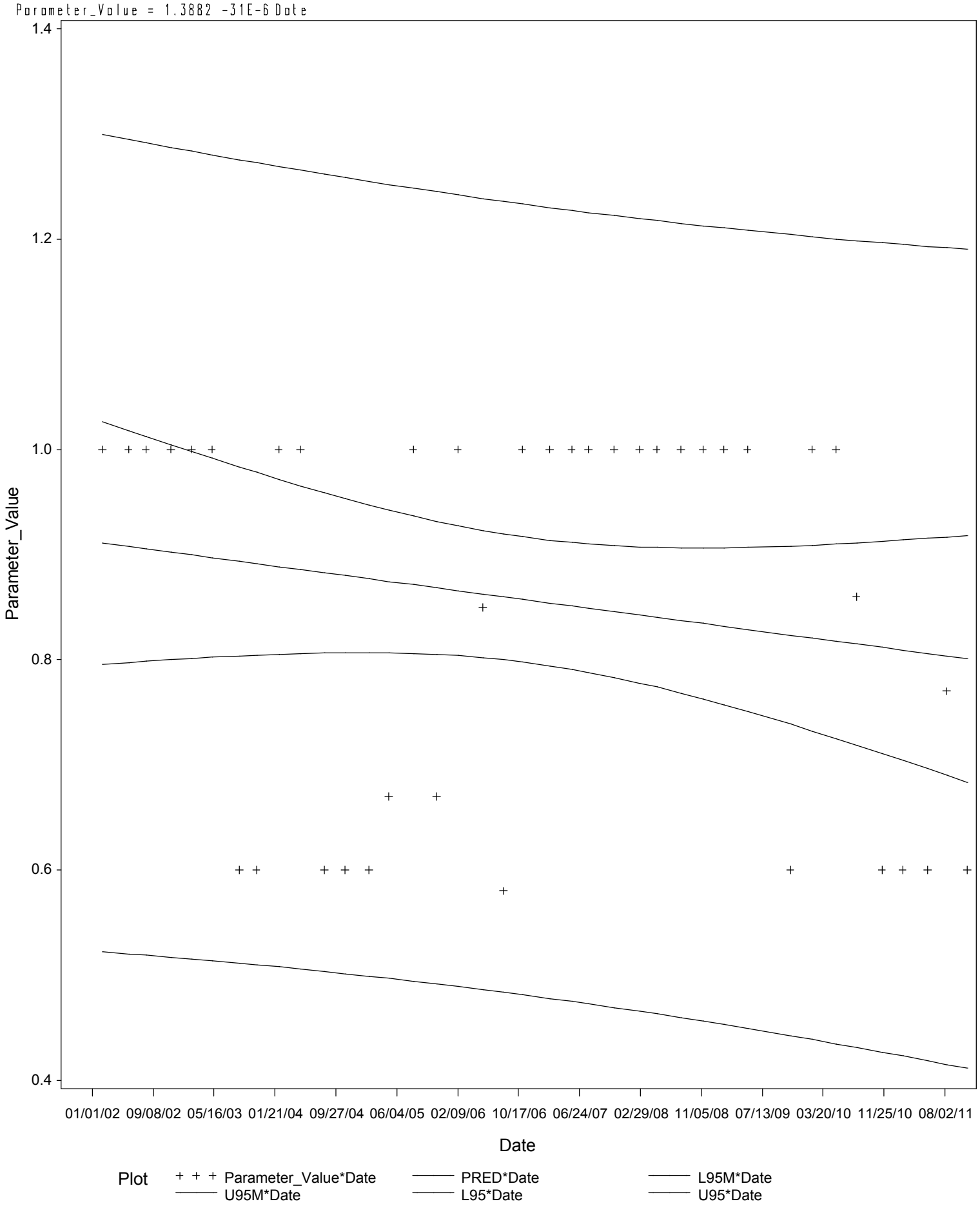
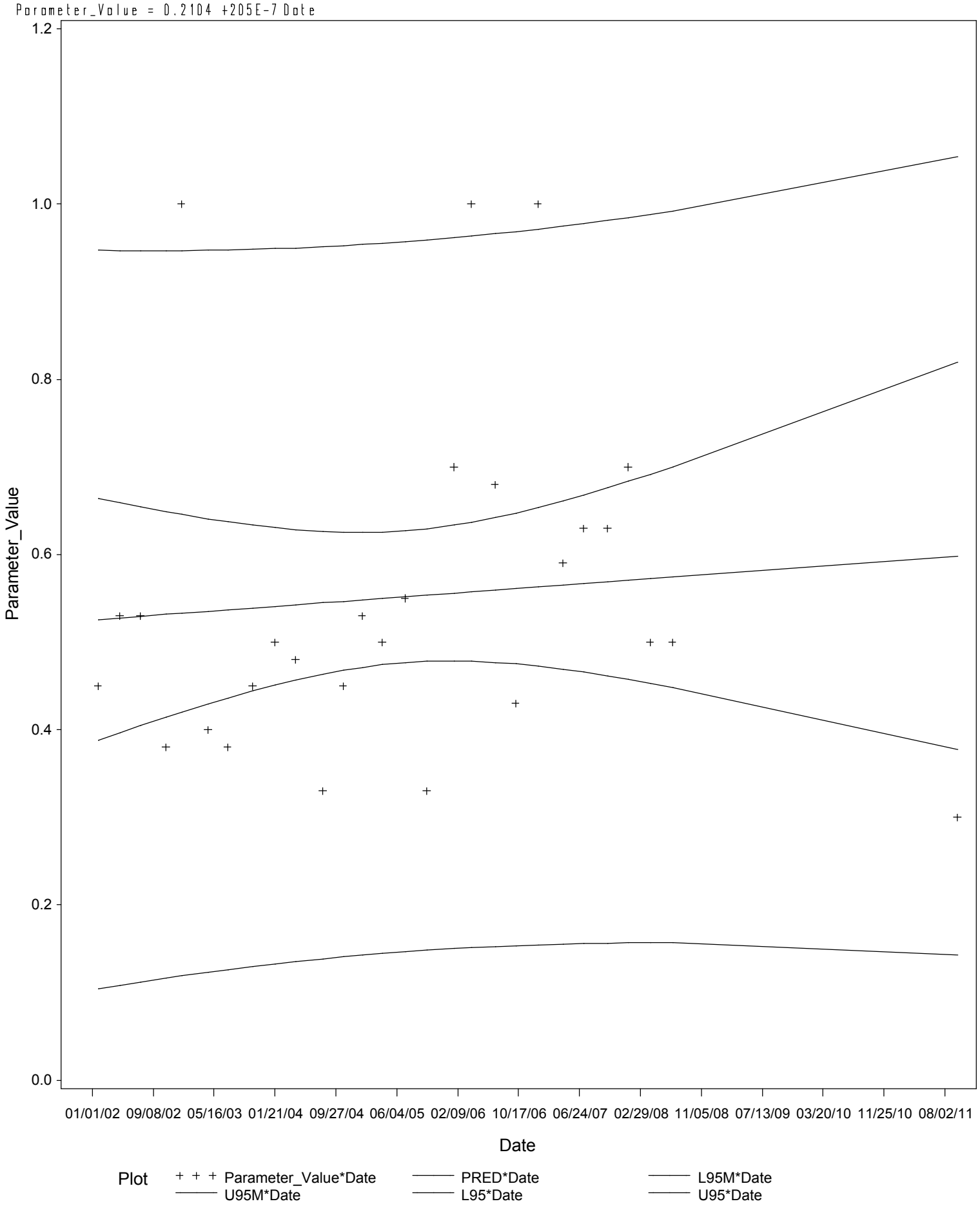


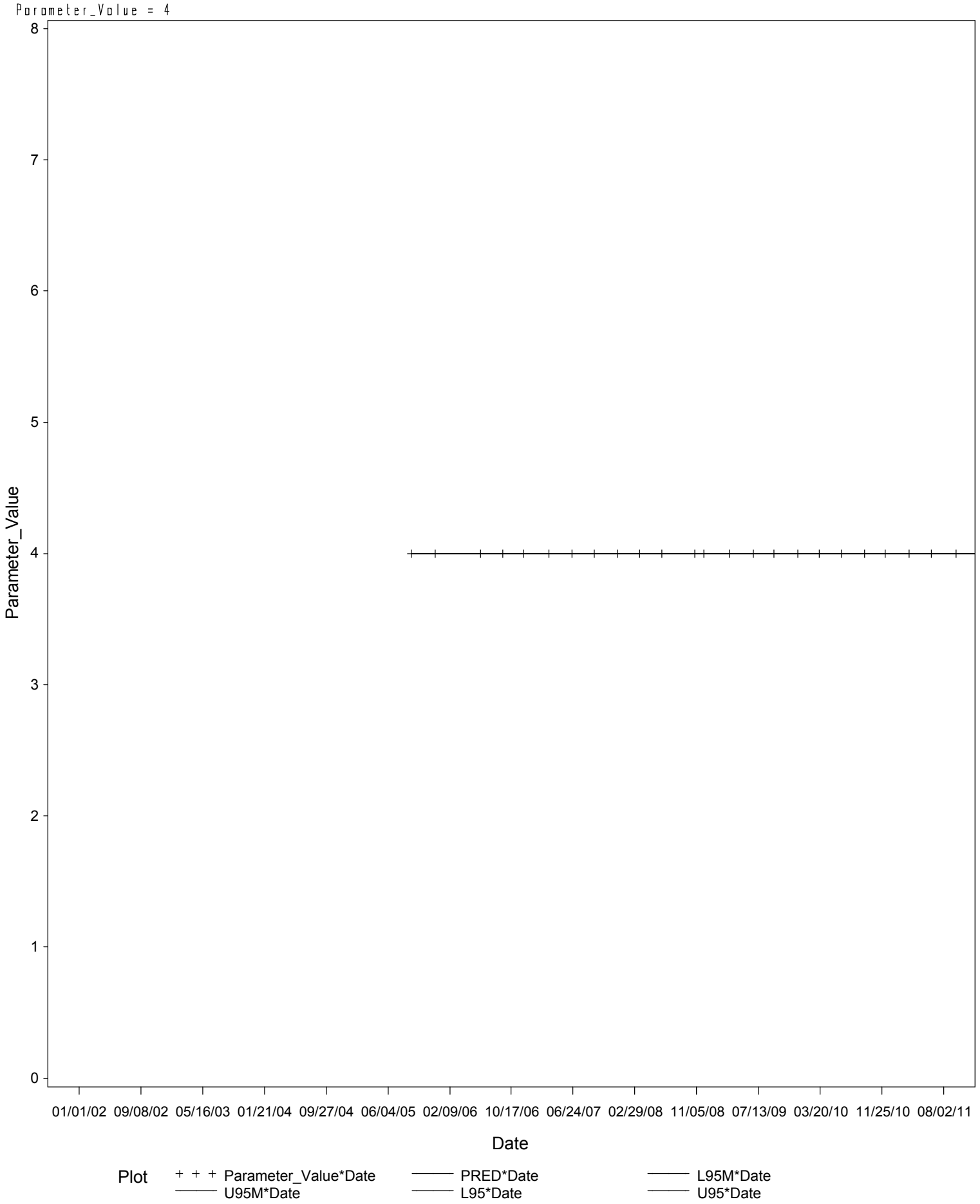
Upper Pecos River

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=15114



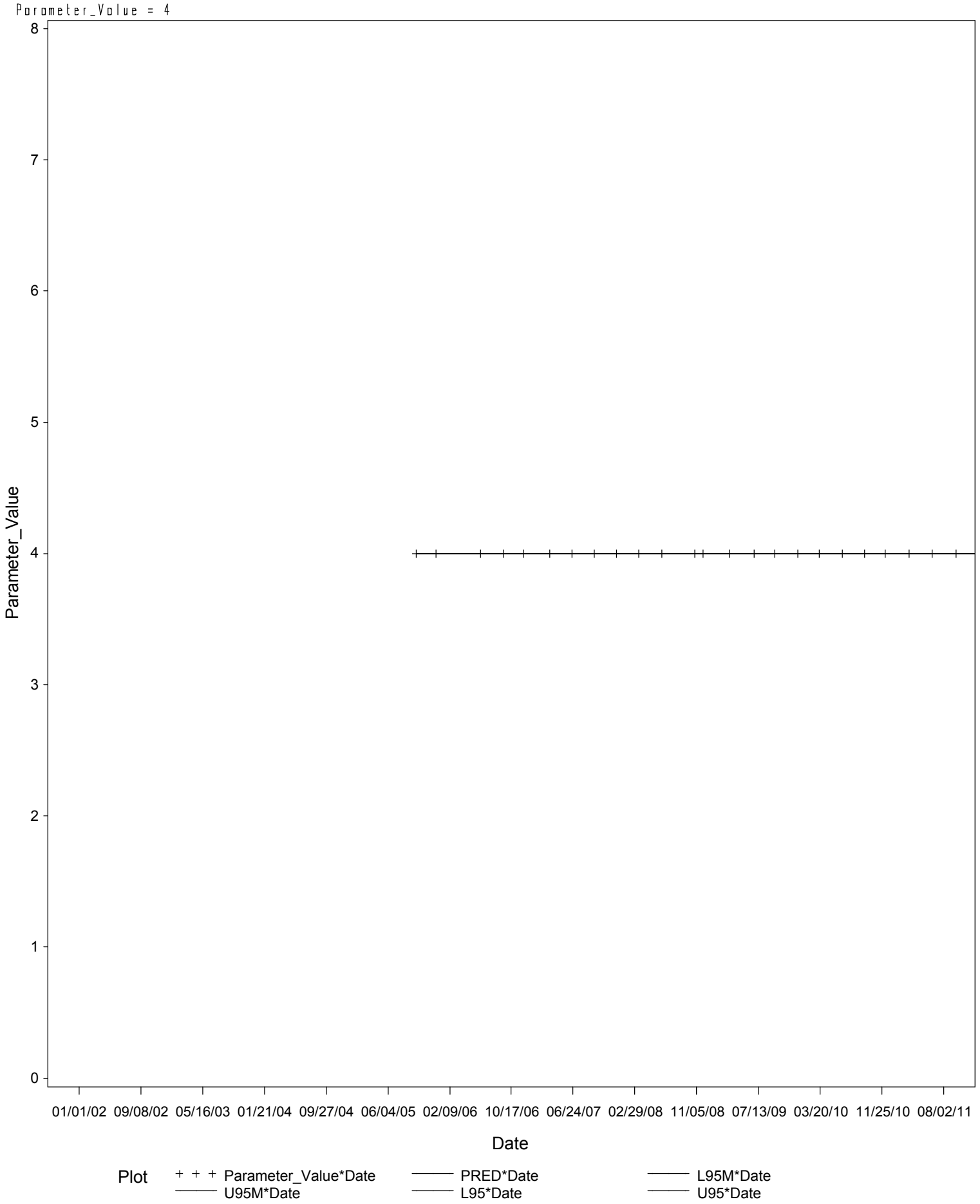
Upper Pecos River

Parameter=ZINC, DISSOLVED (UG/L AS ZN) Station=13257

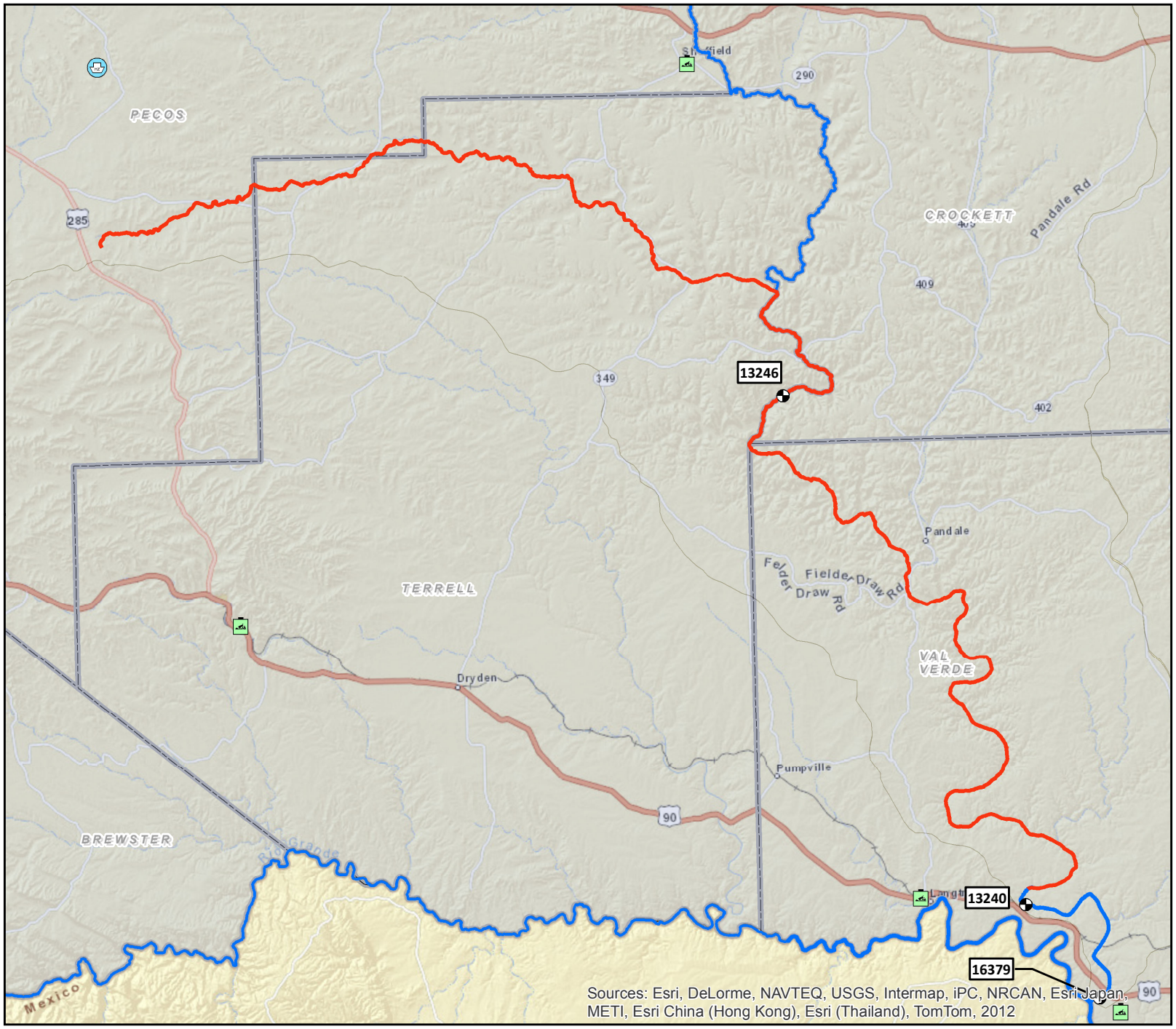


Upper Pecos River

Parameter=ZINC, DISSOLVED (UG/L AS ZN) Station=13260



9. Pecos River Segment 2310



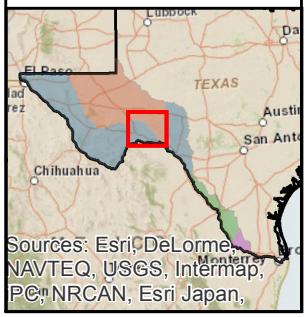
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Pecos River
Segment ID: 2310, 2310A
Name: Lower Pecos River

LEGEND

- Monitoring Station (3)
- Hazardous Waste (1)
- Landfill (4)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



0 5 10 MILES

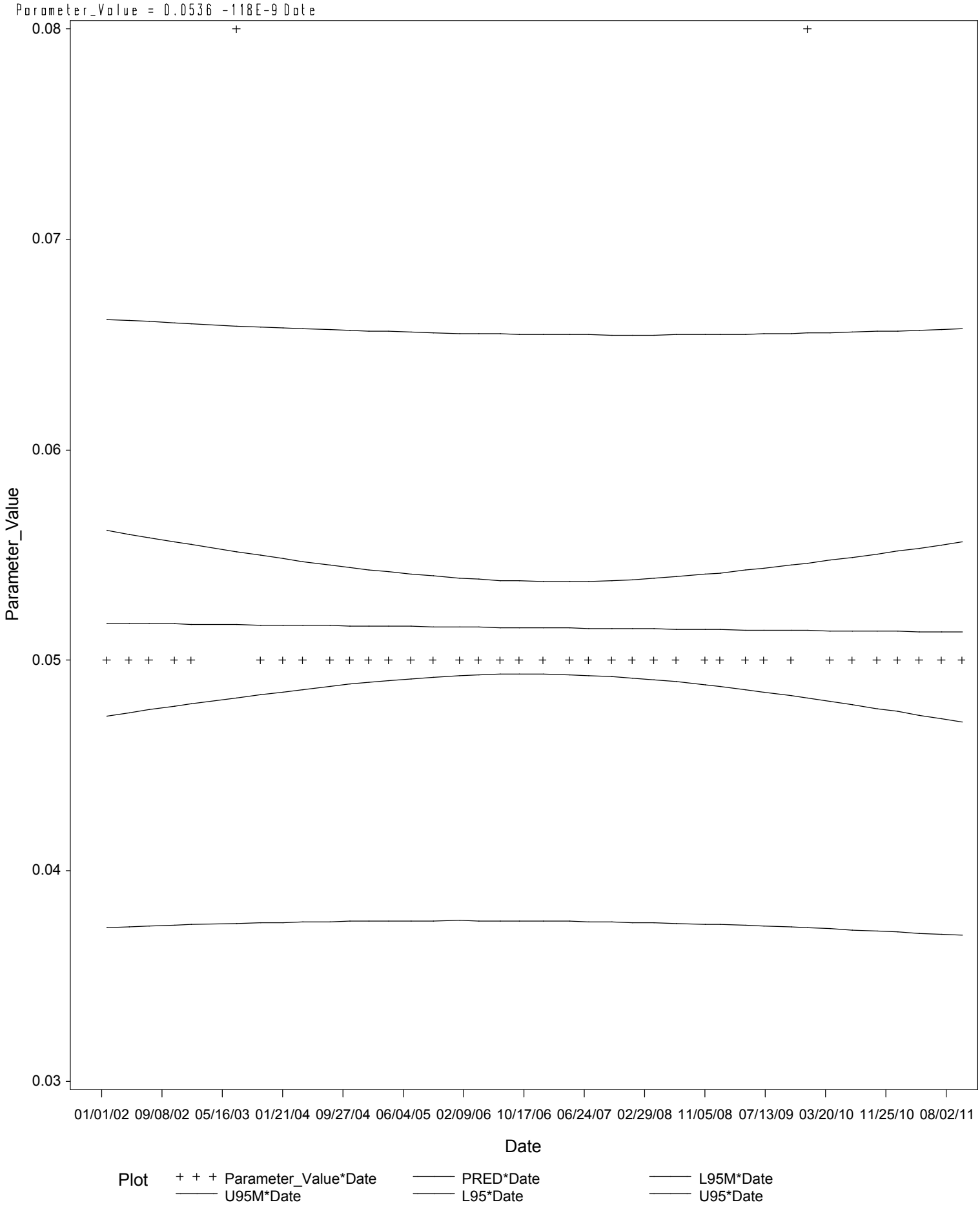
N

HDR ENVIRONMENTAL, OPERATIONS AND CONSTRUCTION, INC
184 CREEKSIDE PARK, SUITE 100
SPRING BRANCH, TX 78070-6230
210.253.6528

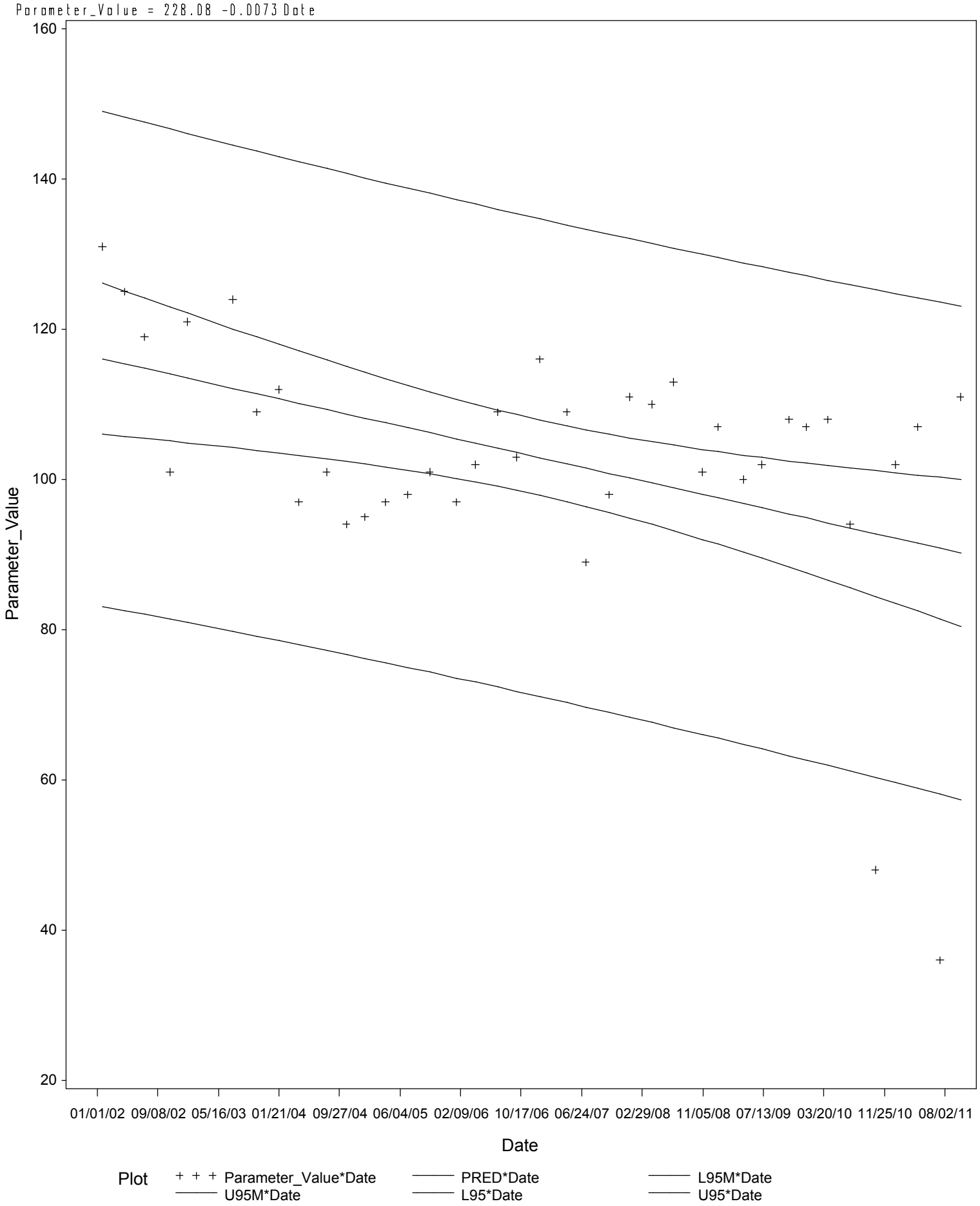
AUG 2013

Independence Creek (unclassified water body)

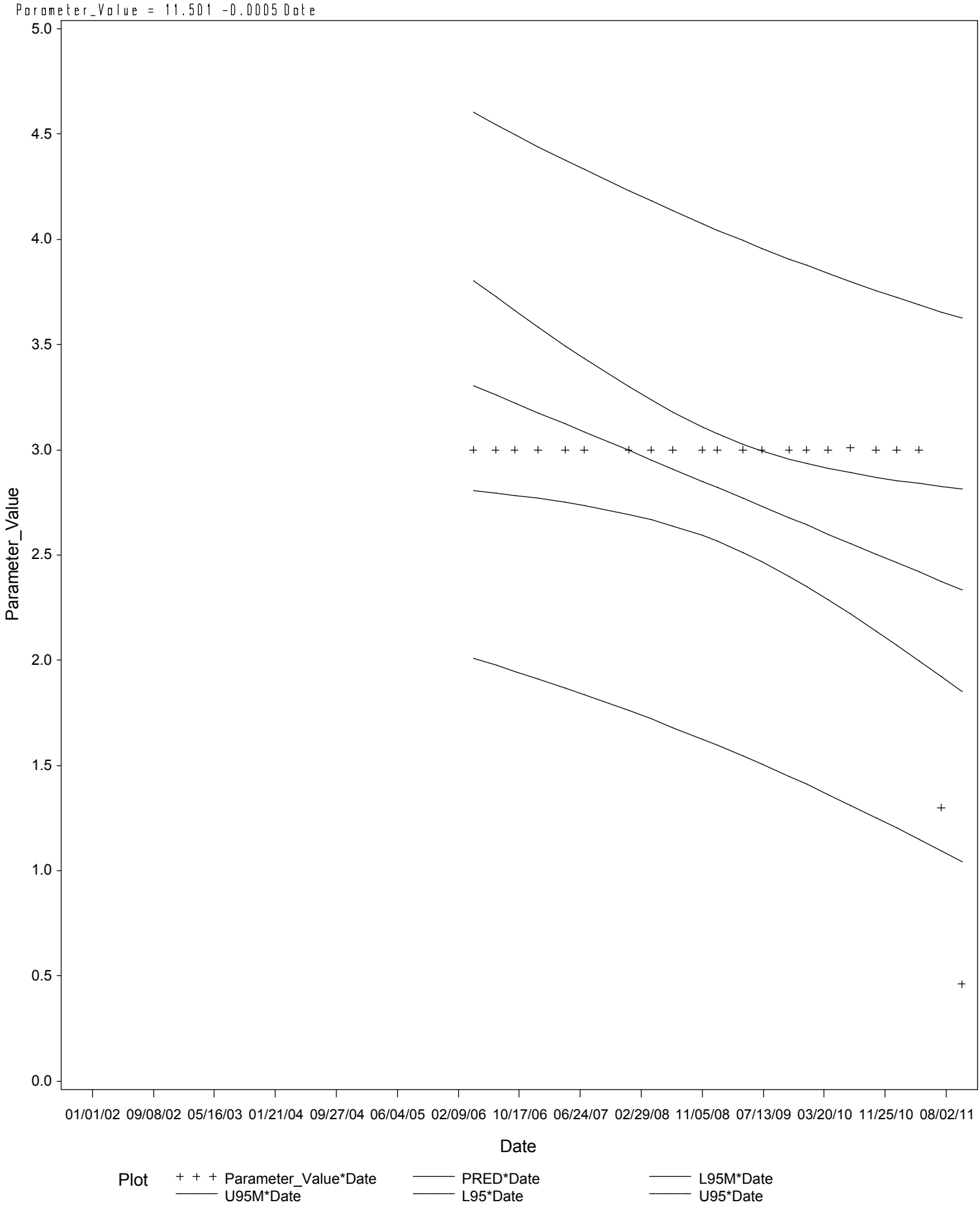
Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13109



Independence Creek (unclassified water body)
Parameter=CHLORIDE (MG/L AS CL) Station=13109

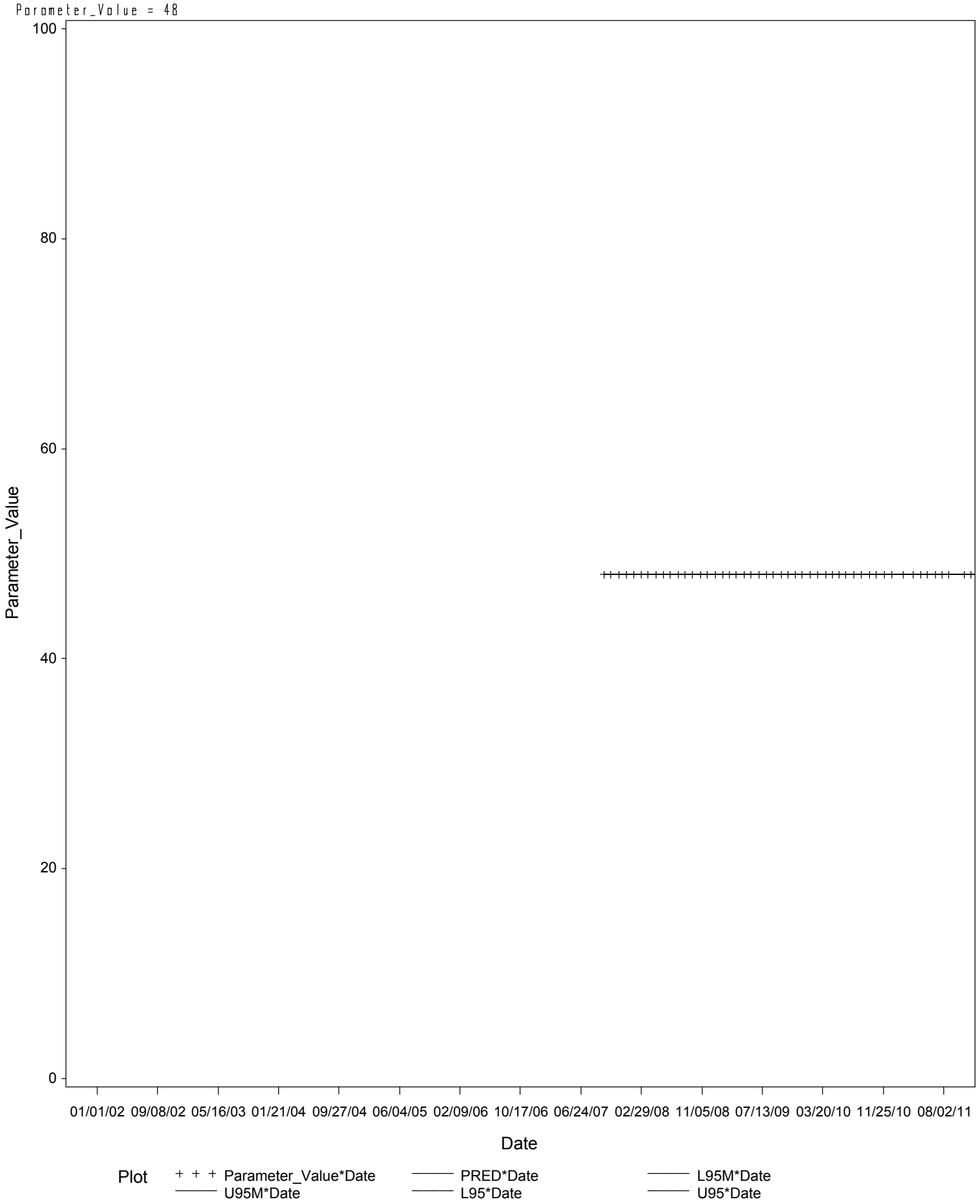


Independence Creek (unclassified water body)
Parameter=CHLOROPHYLL-A, UG/L Station=13109

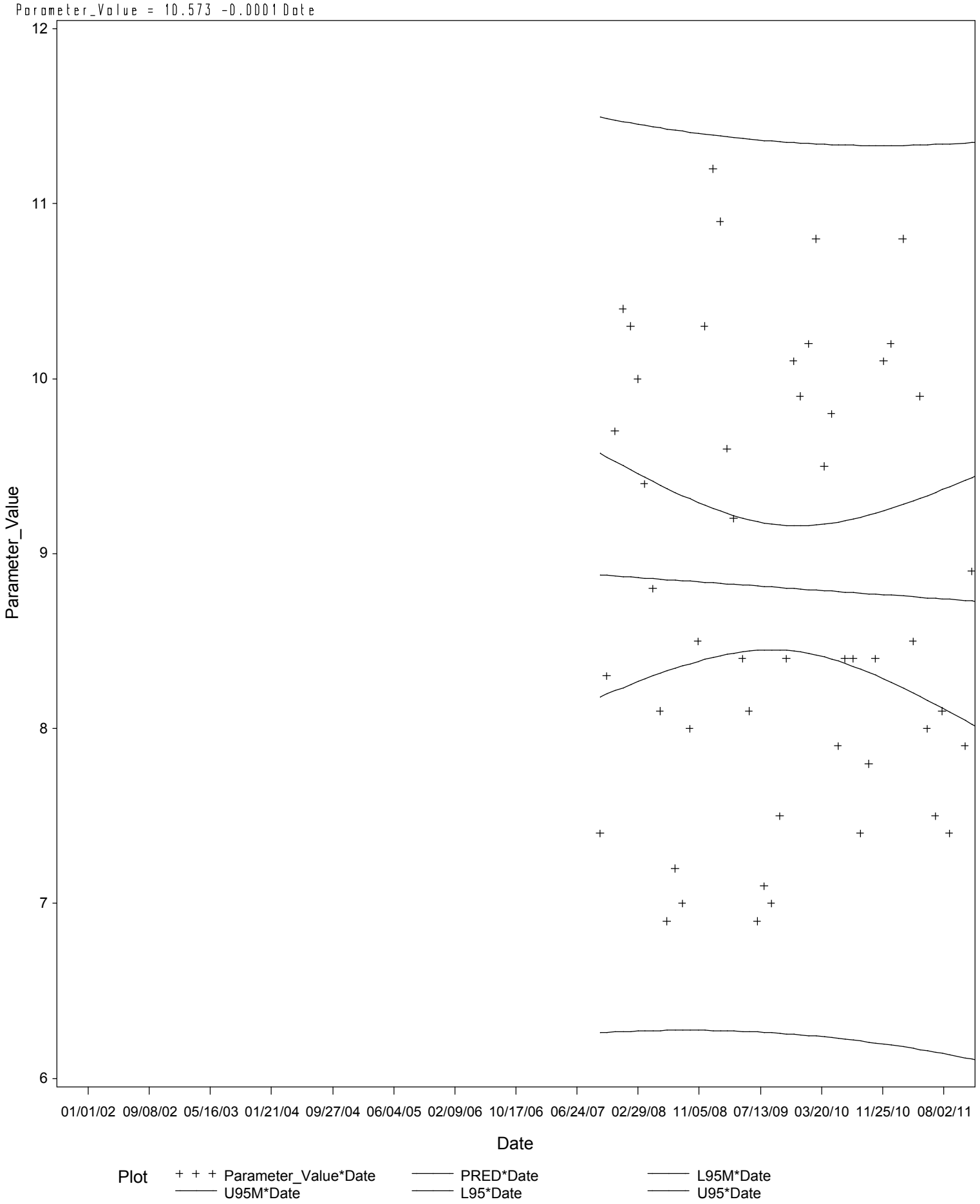


Independence Creek (unclassified water body)

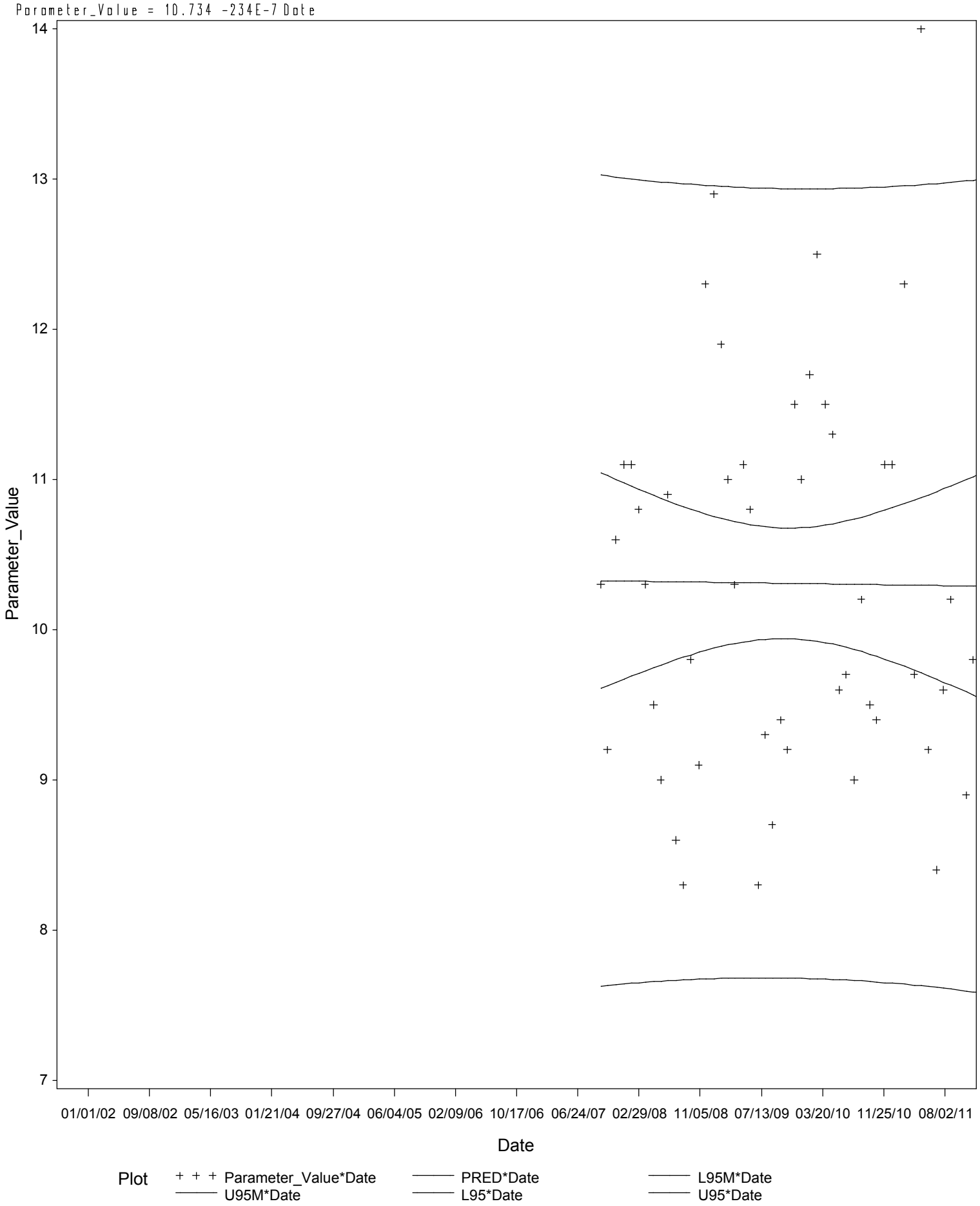
Parameter=DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS Station=13109



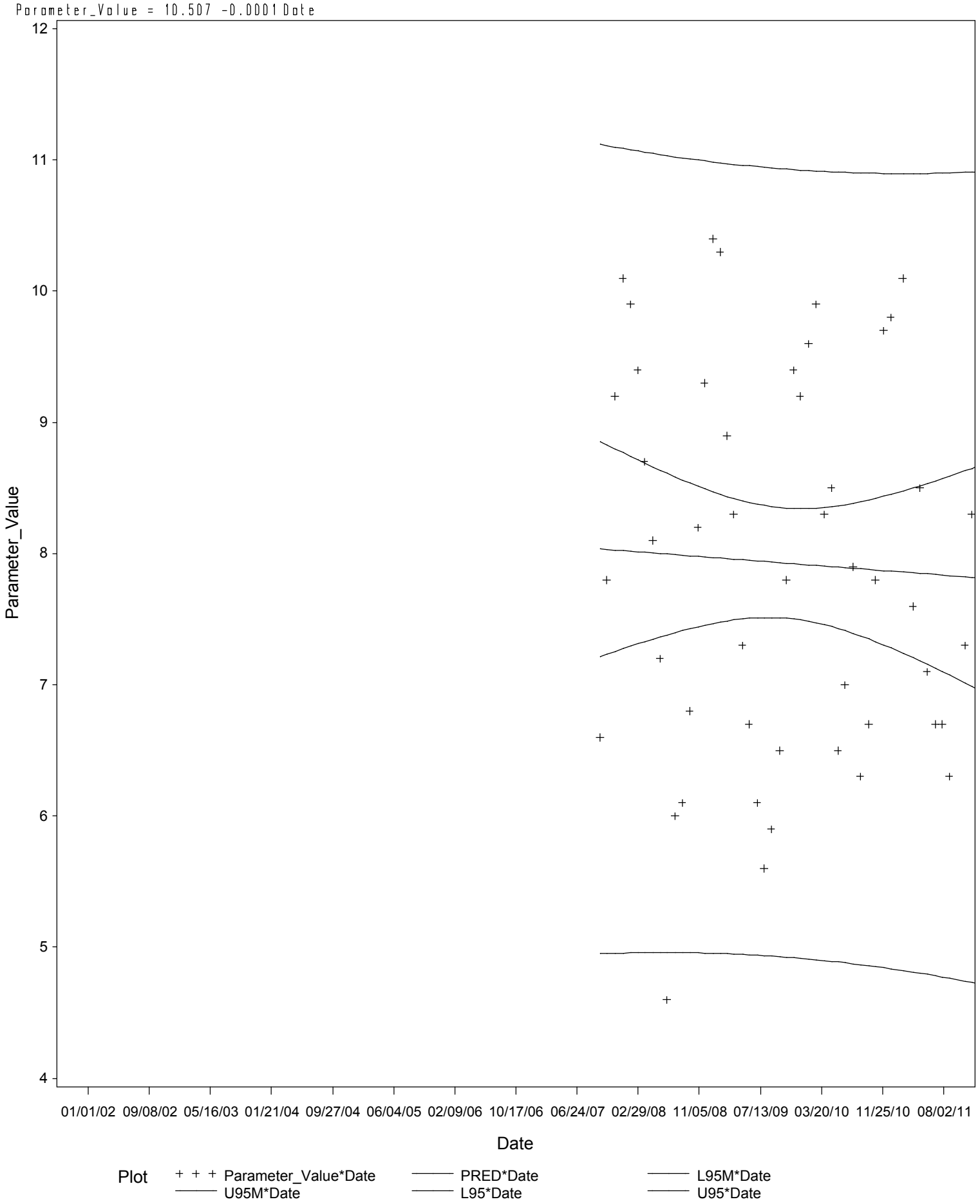
Independence Creek (unclassified water body)
Parameter=DO 24 HR AVG Station=13109



Independence Creek (unclassified water body)
Parameter=DO 24 HR MAX Station=13109

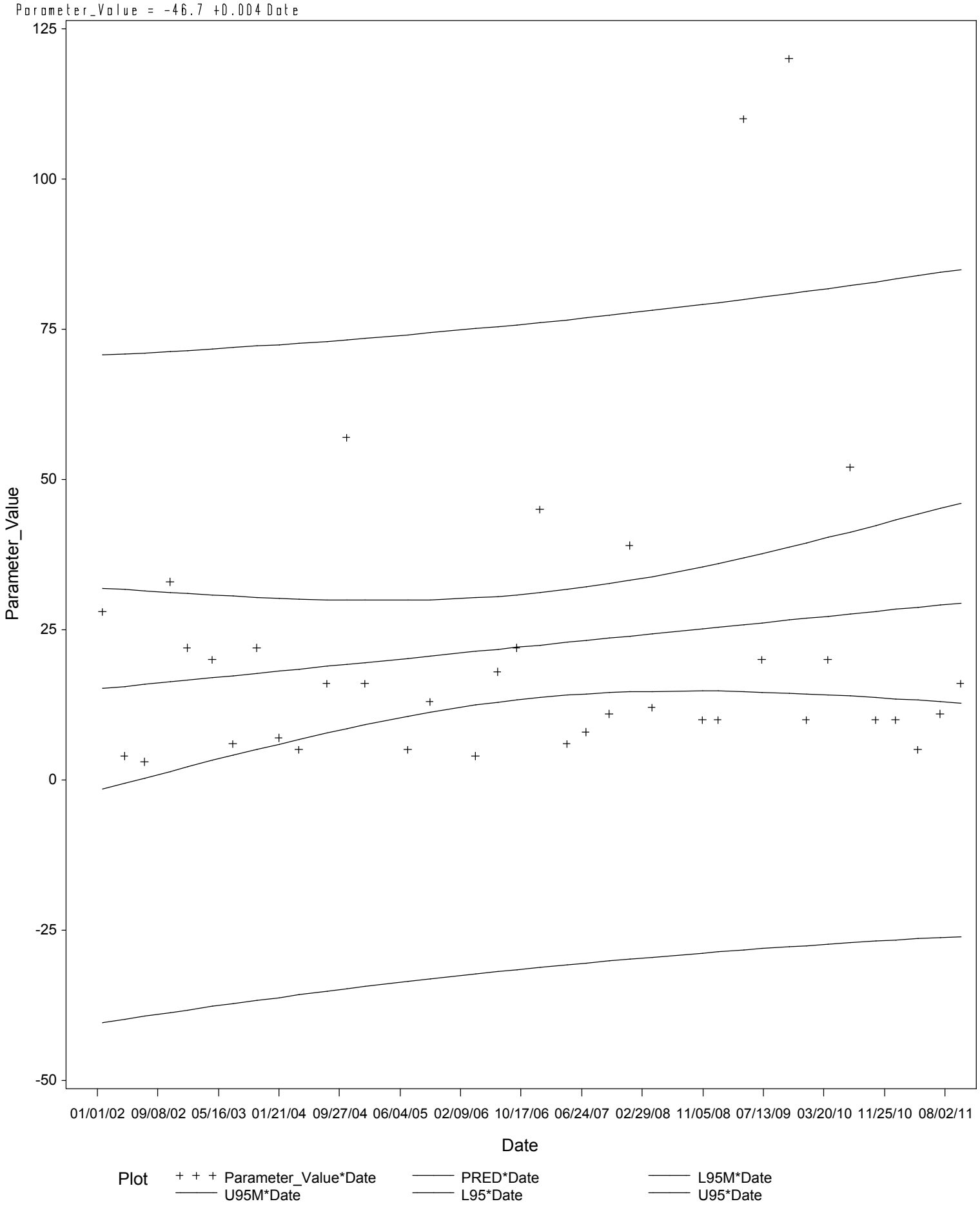


Independence Creek (unclassified water body)
Parameter=DO 24 HR MIN Station=13109



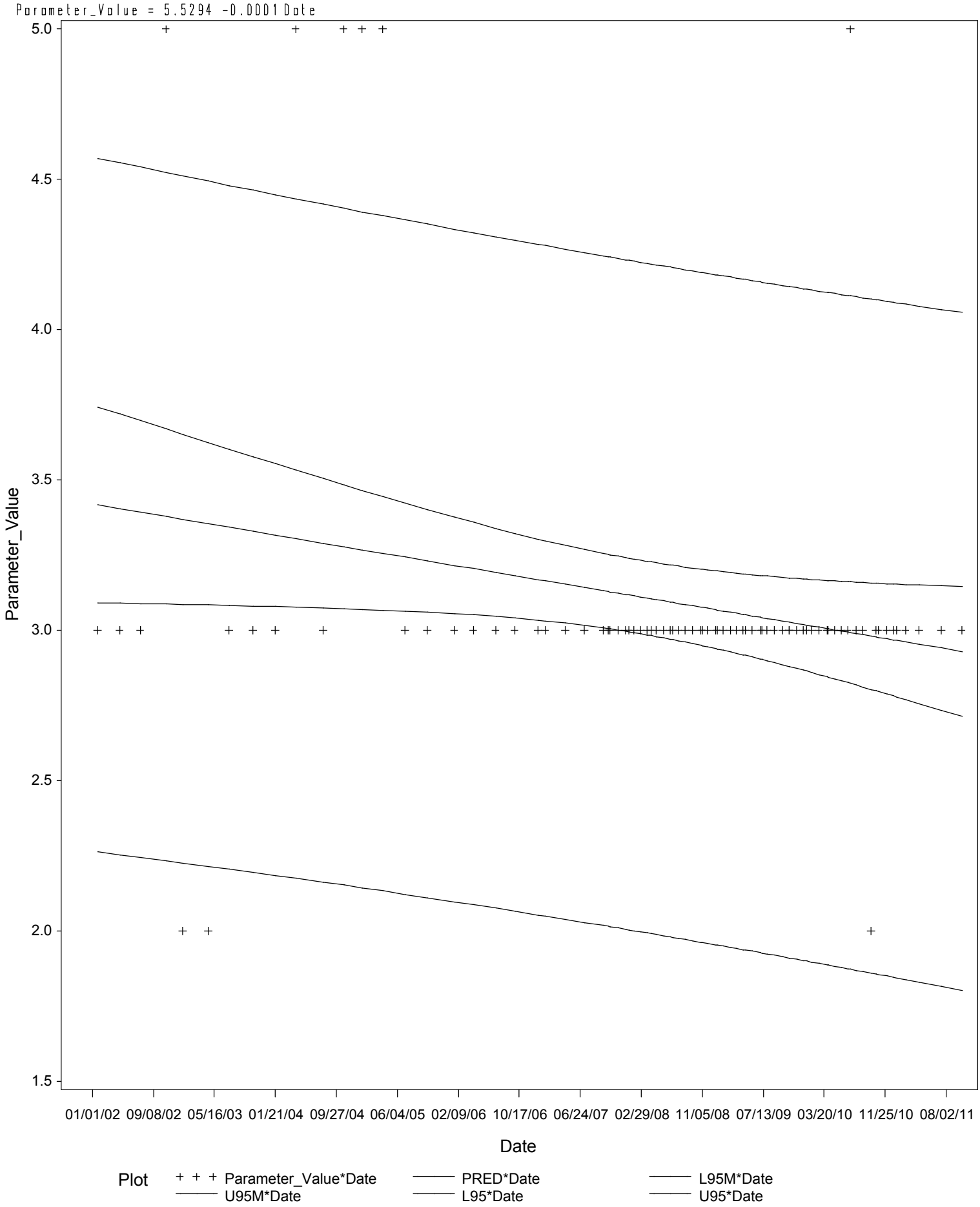
Independence Creek (unclassified water body)

Parameter=E. COLI, MPN/100ML Station=13109



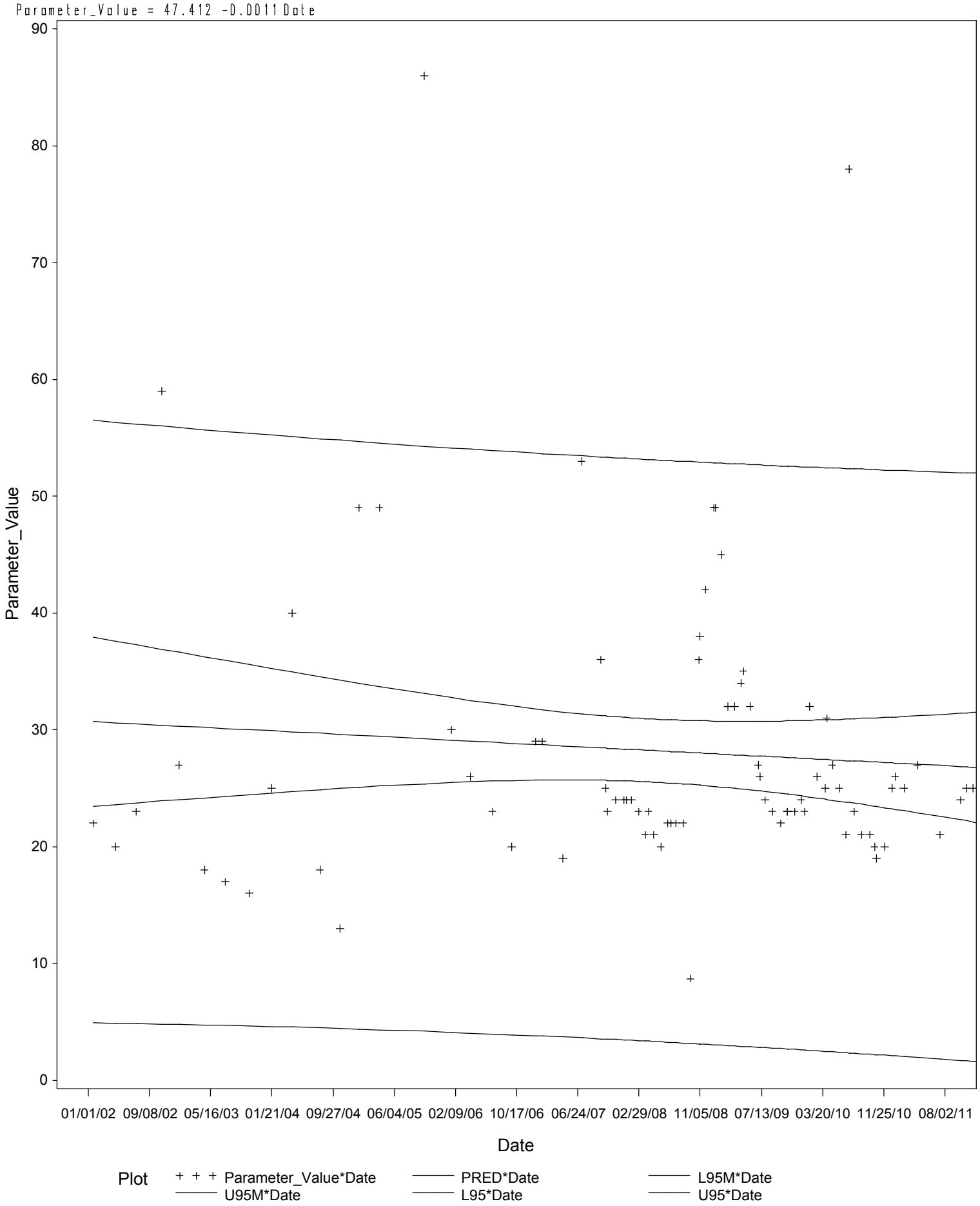
Independence Creek (unclassified water body)

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13109



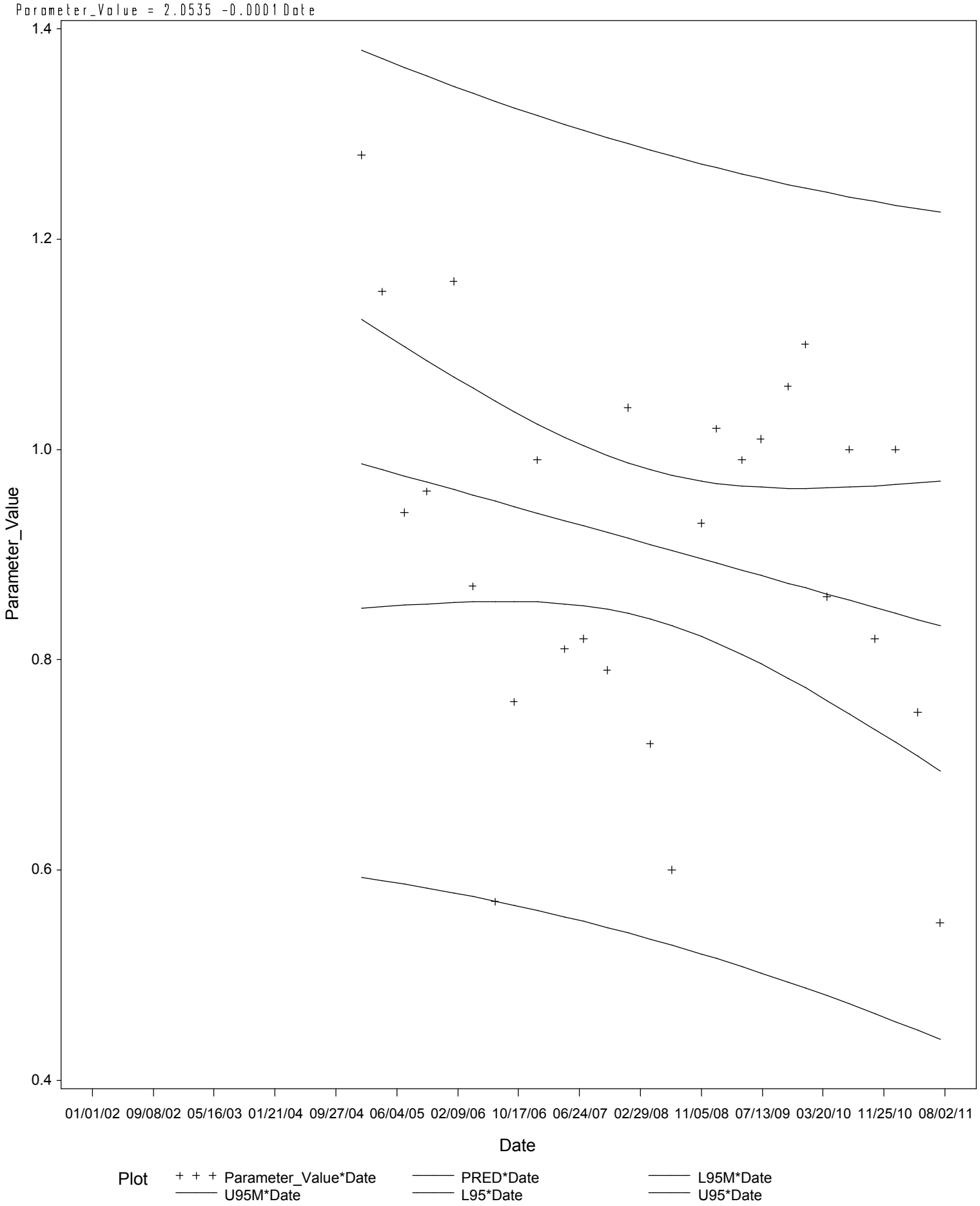
Independence Creek (unclassified water body)

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13109



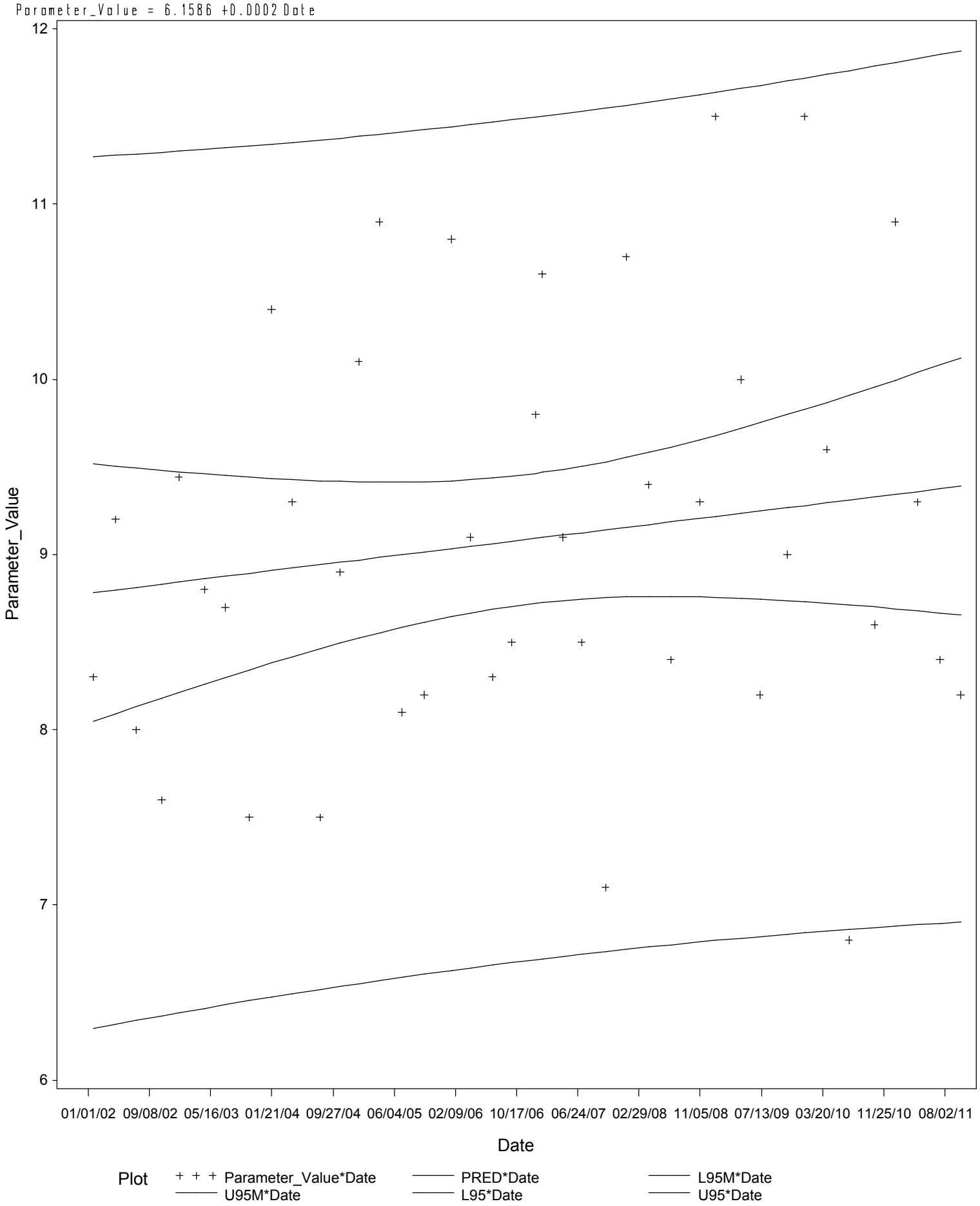
Independence Creek (unclassified water body)

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13109

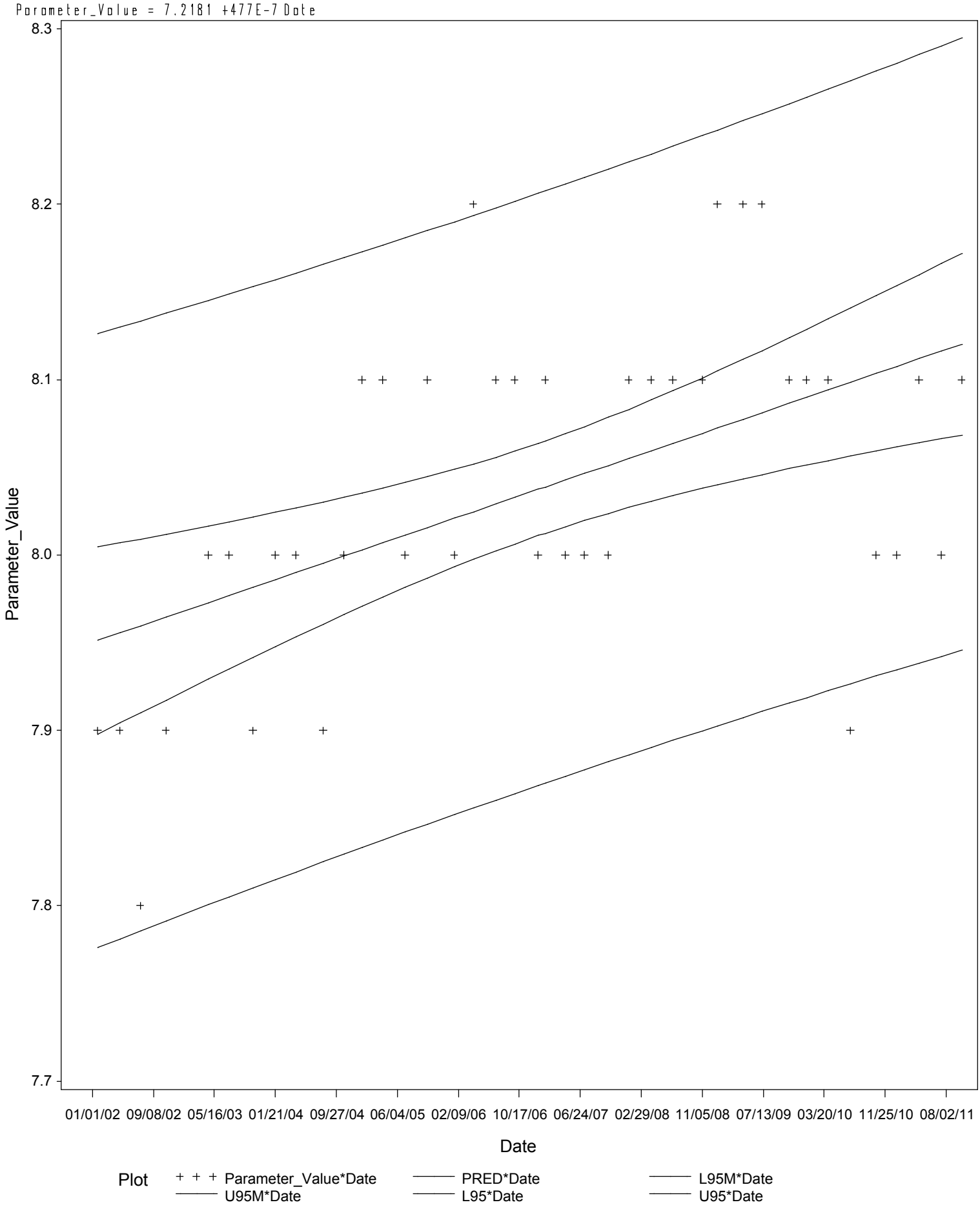


Independence Creek (unclassified water body)

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13109

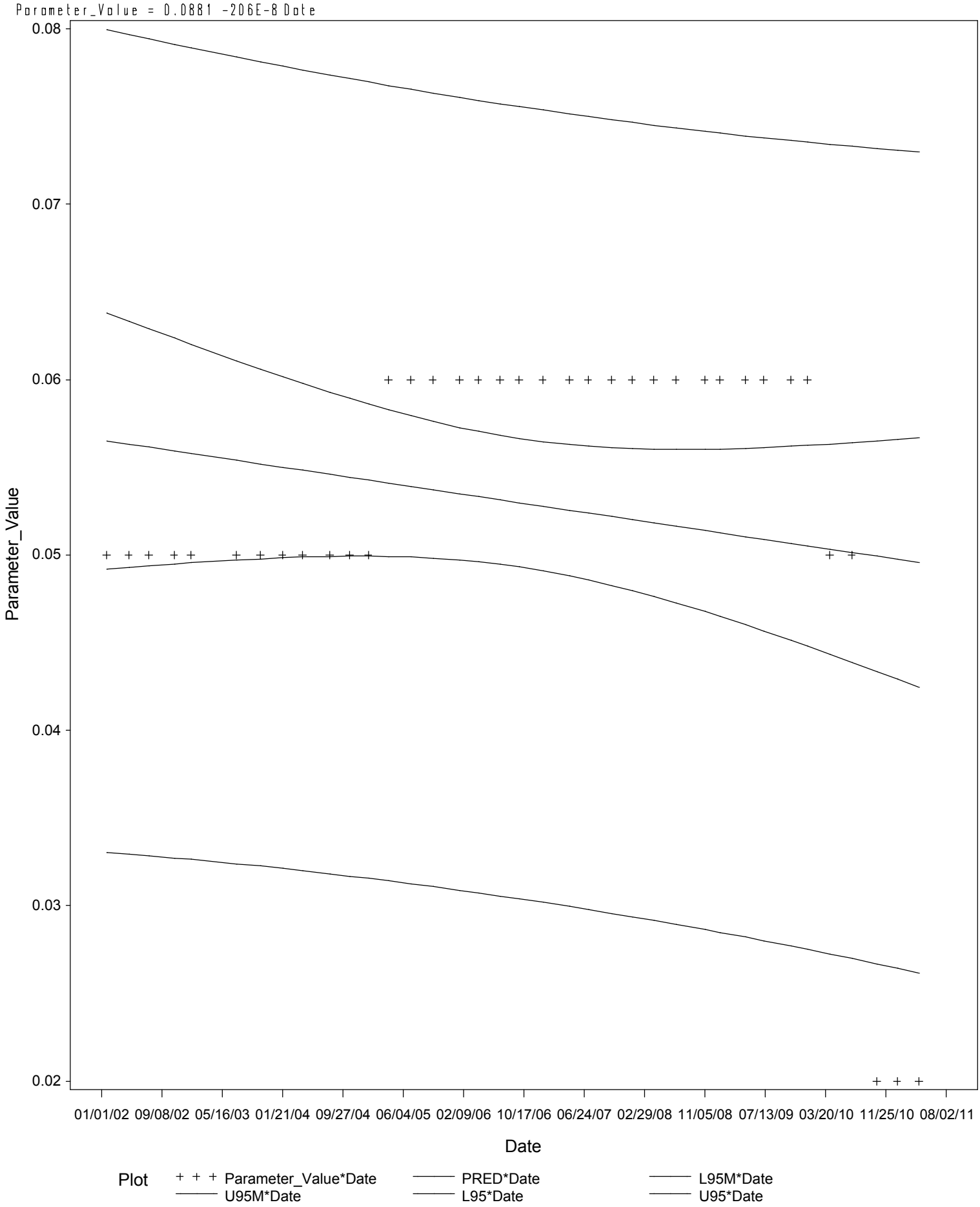


Independence Creek (unclassified water body)
Parameter=PH (STANDARD UNITS) Station=13109



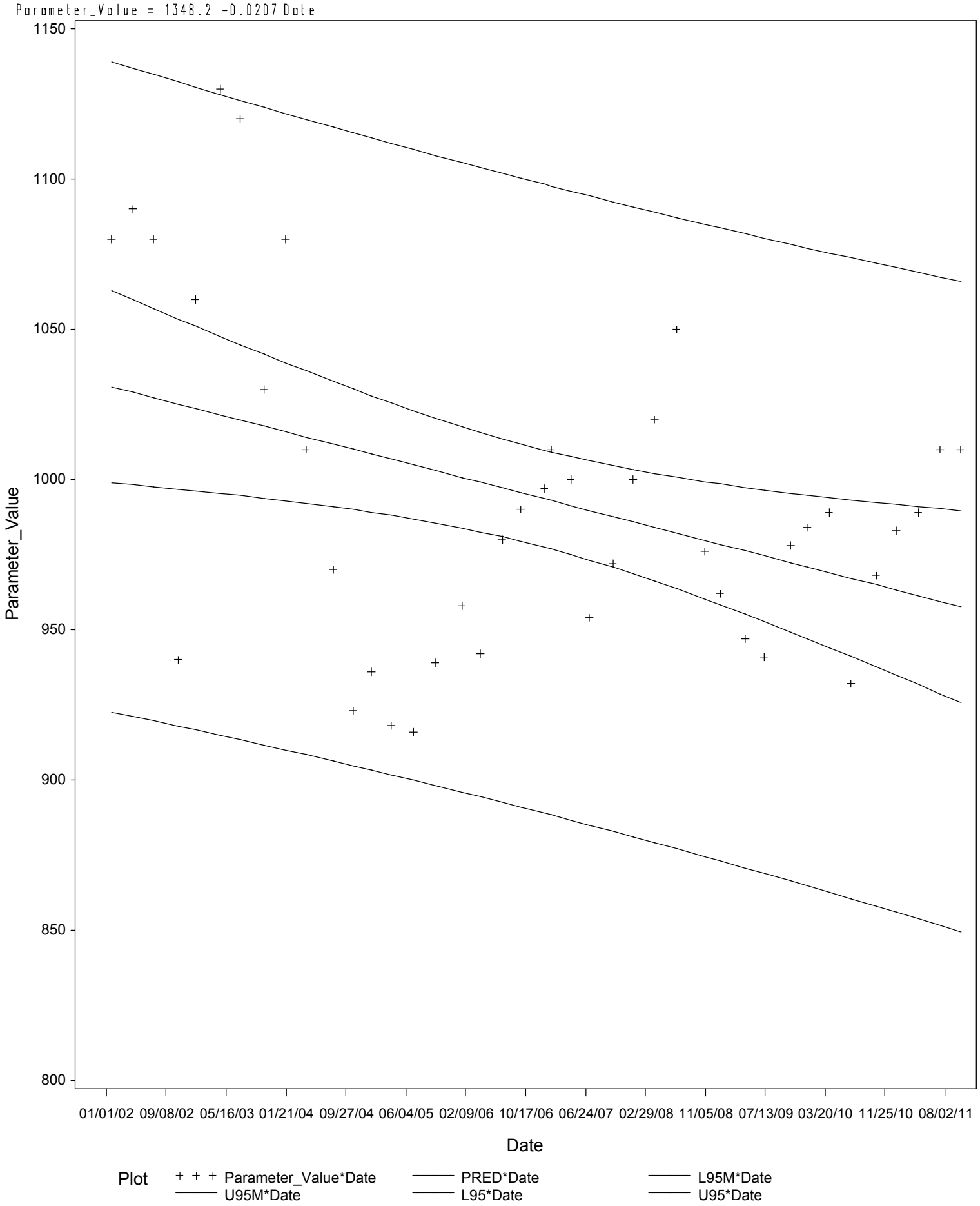
Independence Creek (unclassified water body)

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13109



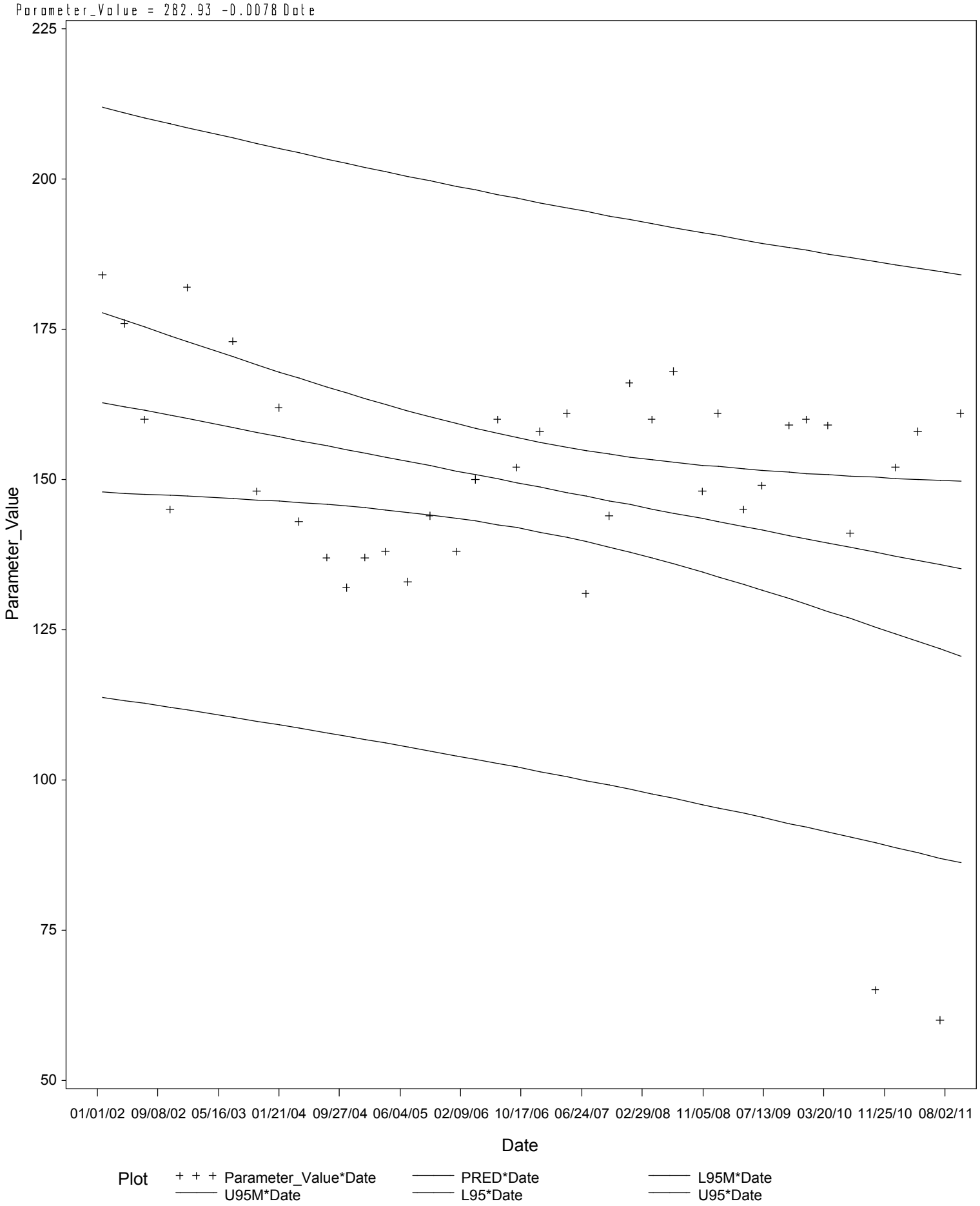
Independence Creek (unclassified water body)

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13109

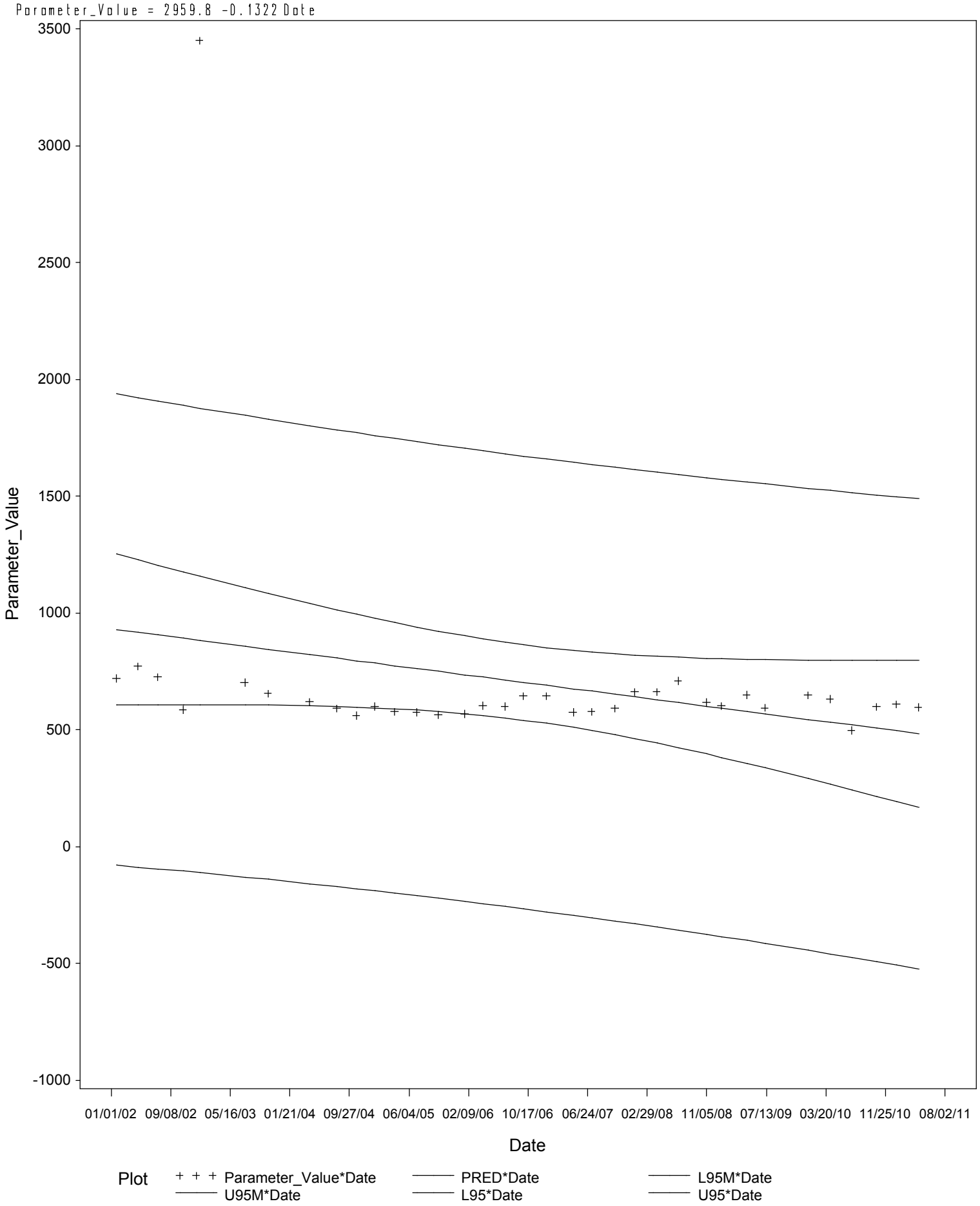


Independence Creek (unclassified water body)

Parameter=SULFATE (MG/L AS SO4) Station=13109

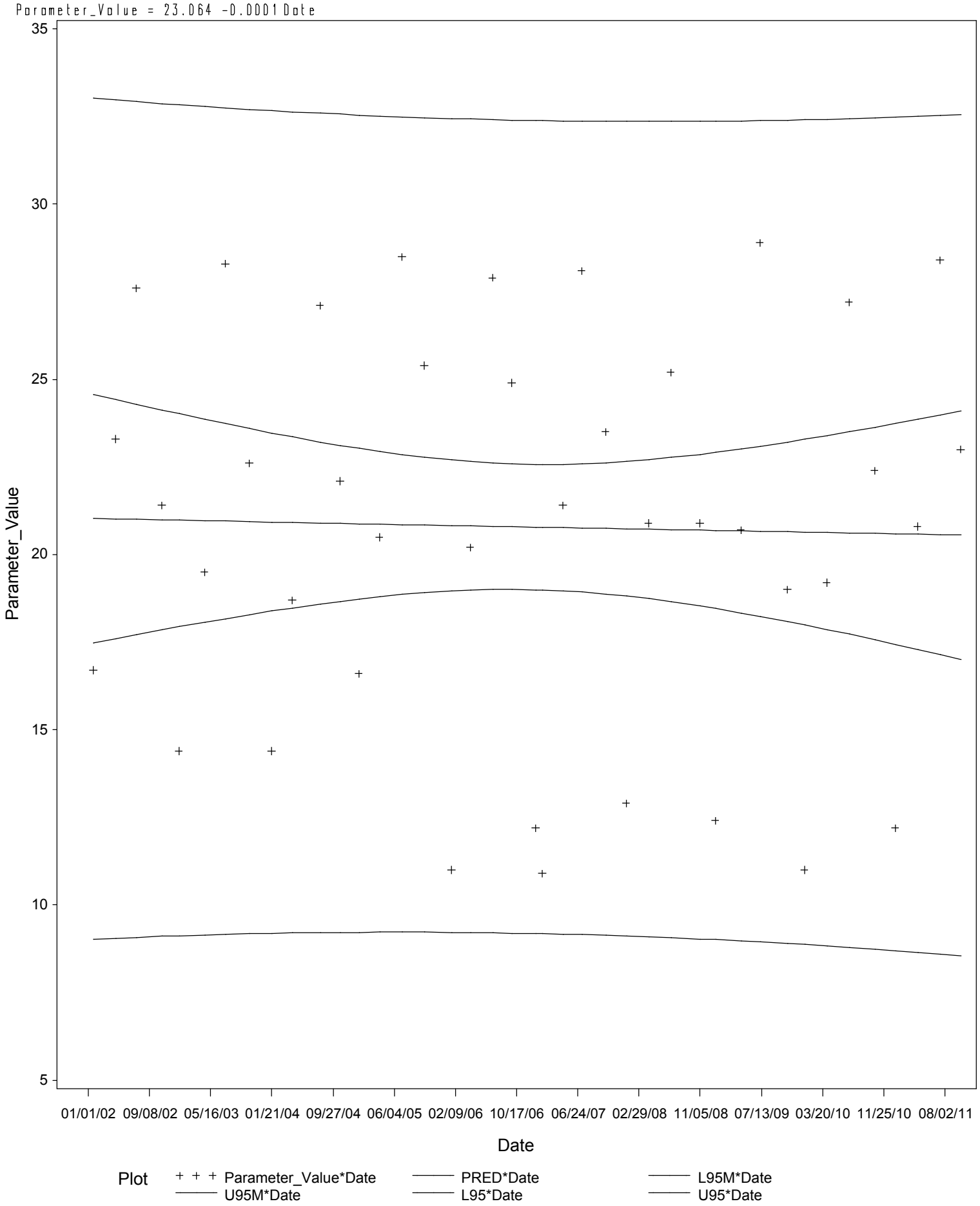


Independence Creek (unclassified water body)
Parameter=TDS (MG/L) Station=13109

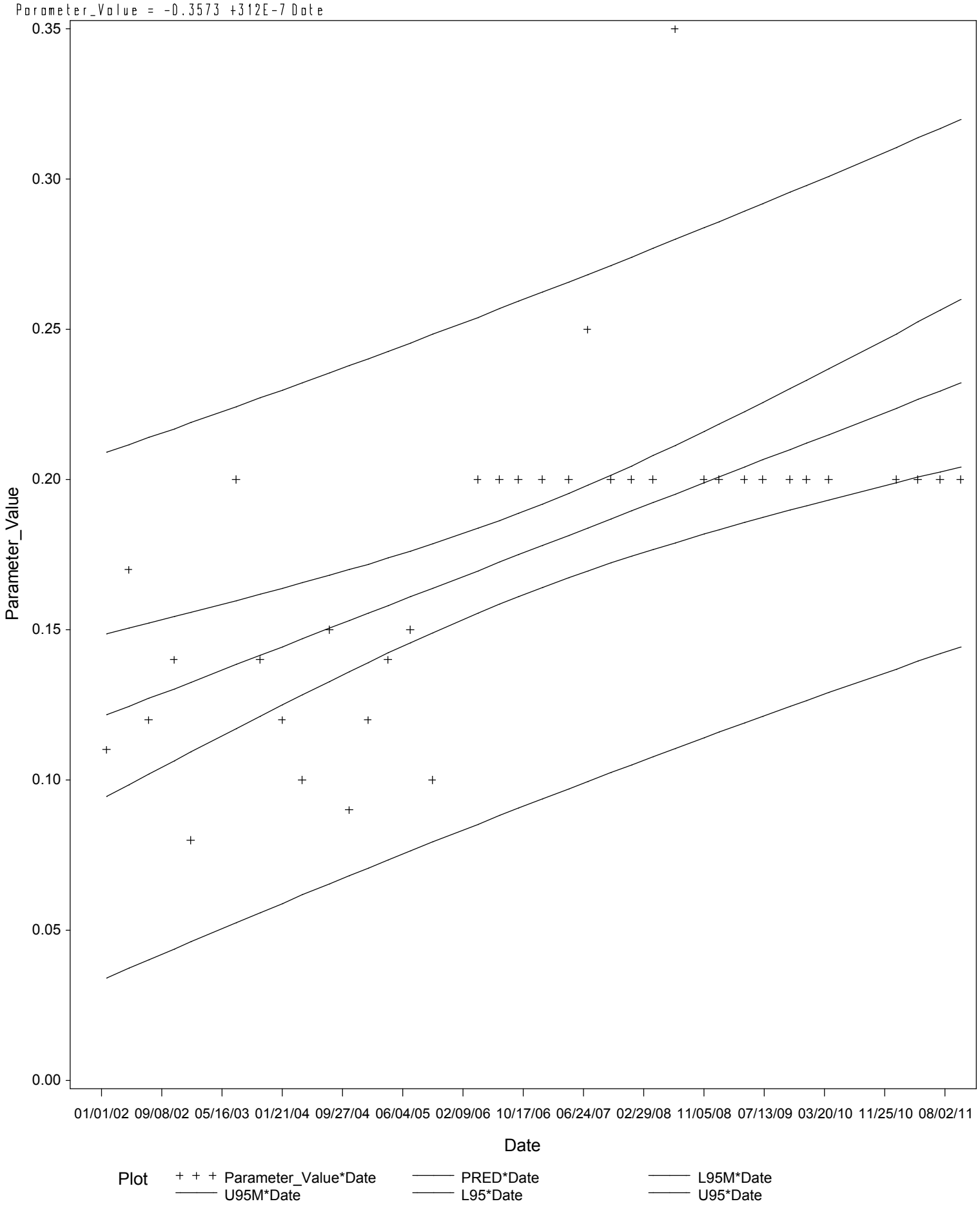


Independence Creek (unclassified water body)

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13109

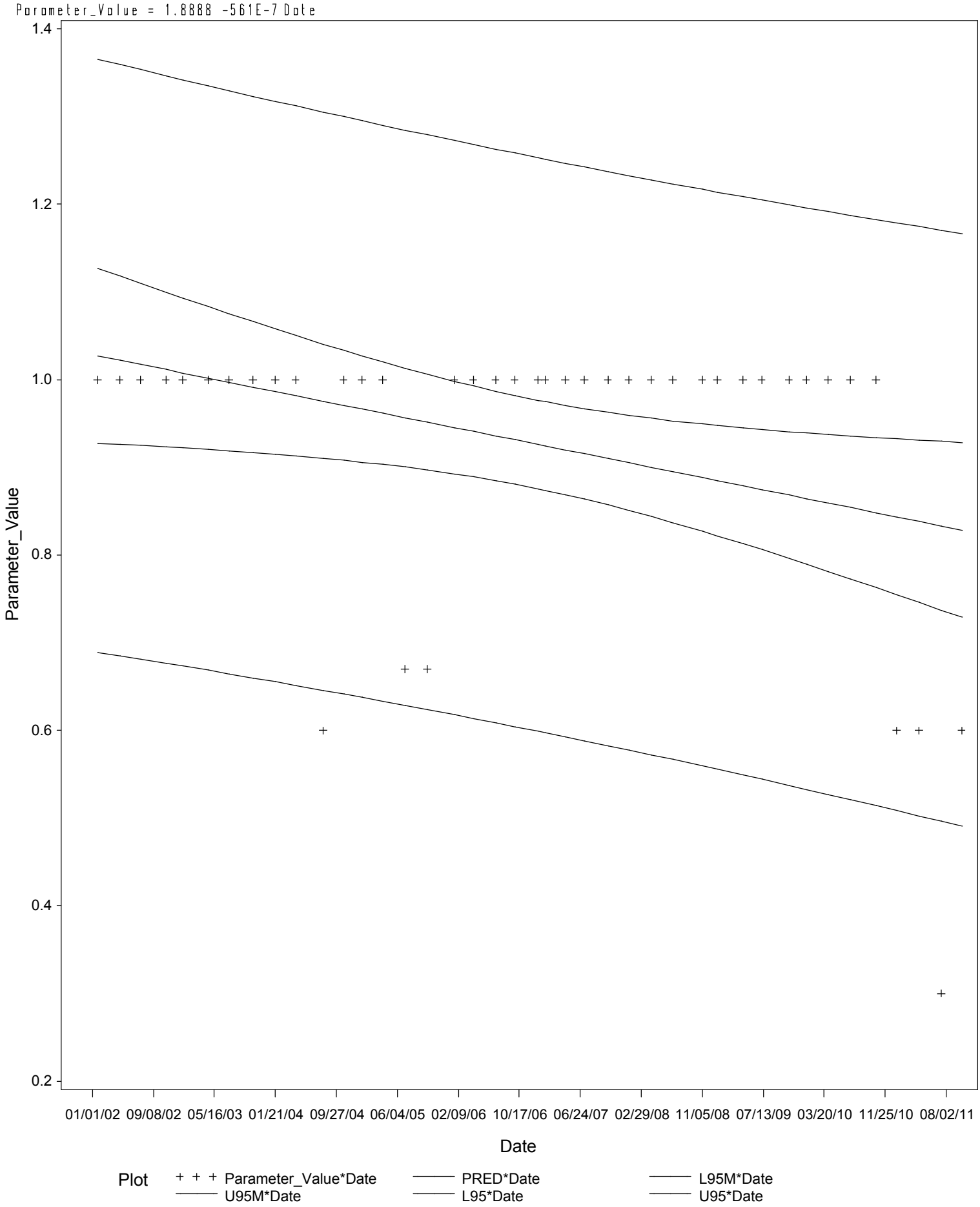


Independence Creek (unclassified water body)
Parameter=TKN (MG/L AS N) Station=13109



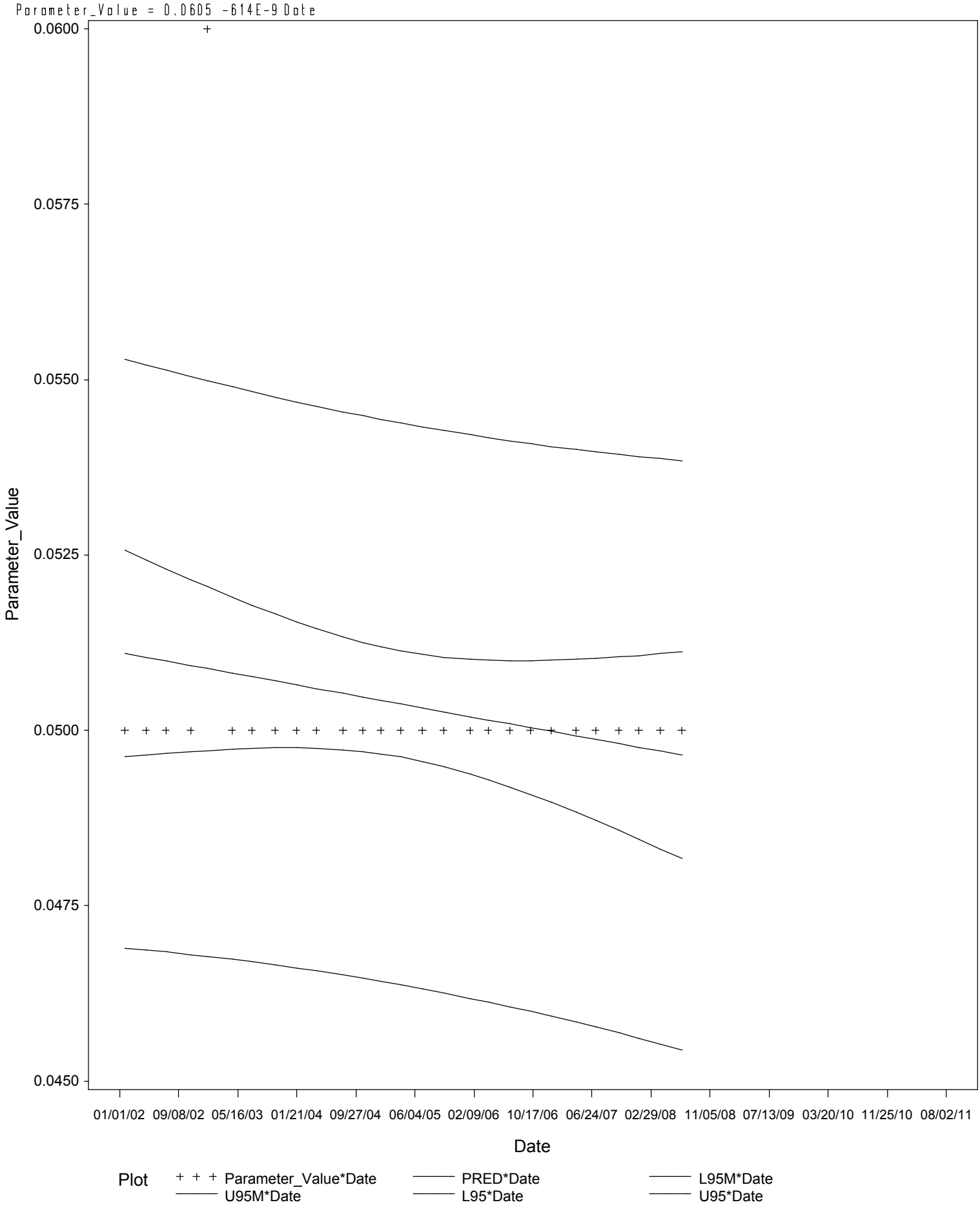
Independence Creek (unclassified water body)

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13109



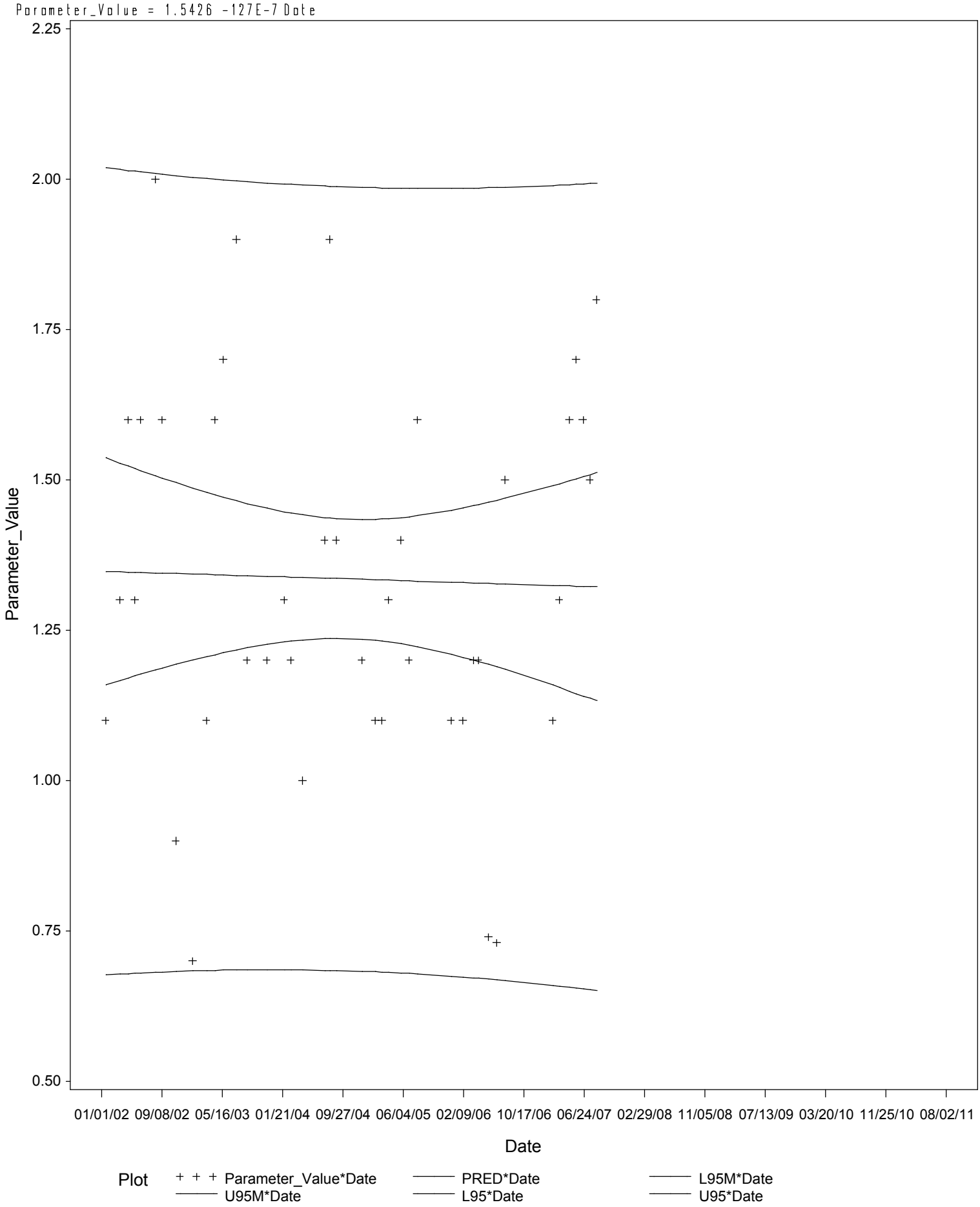
Lower Pecos River

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13246



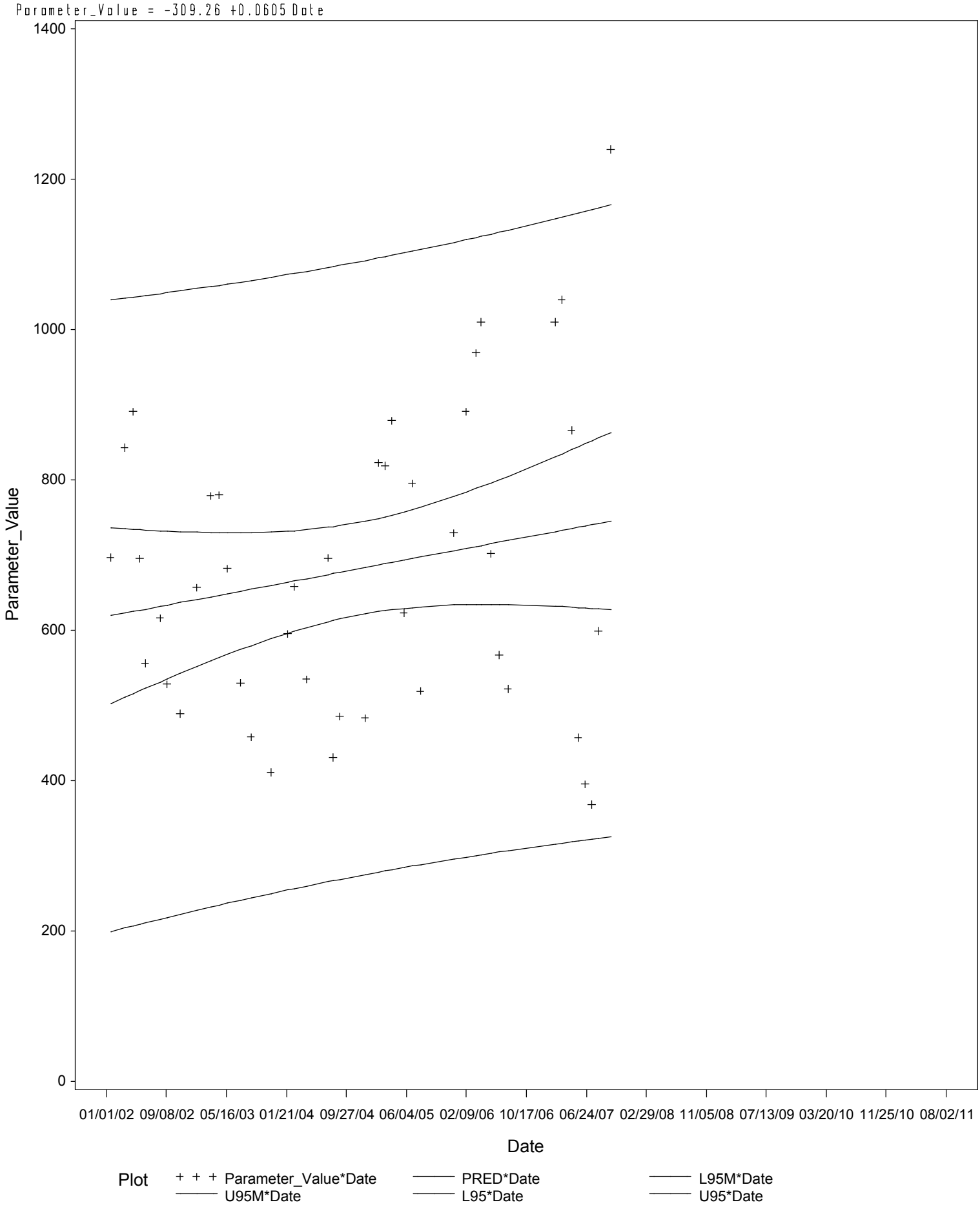
Lower Pecos River

Parameter=ARSENIC, DISSOLVED (UG/L AS AS) Station=13240



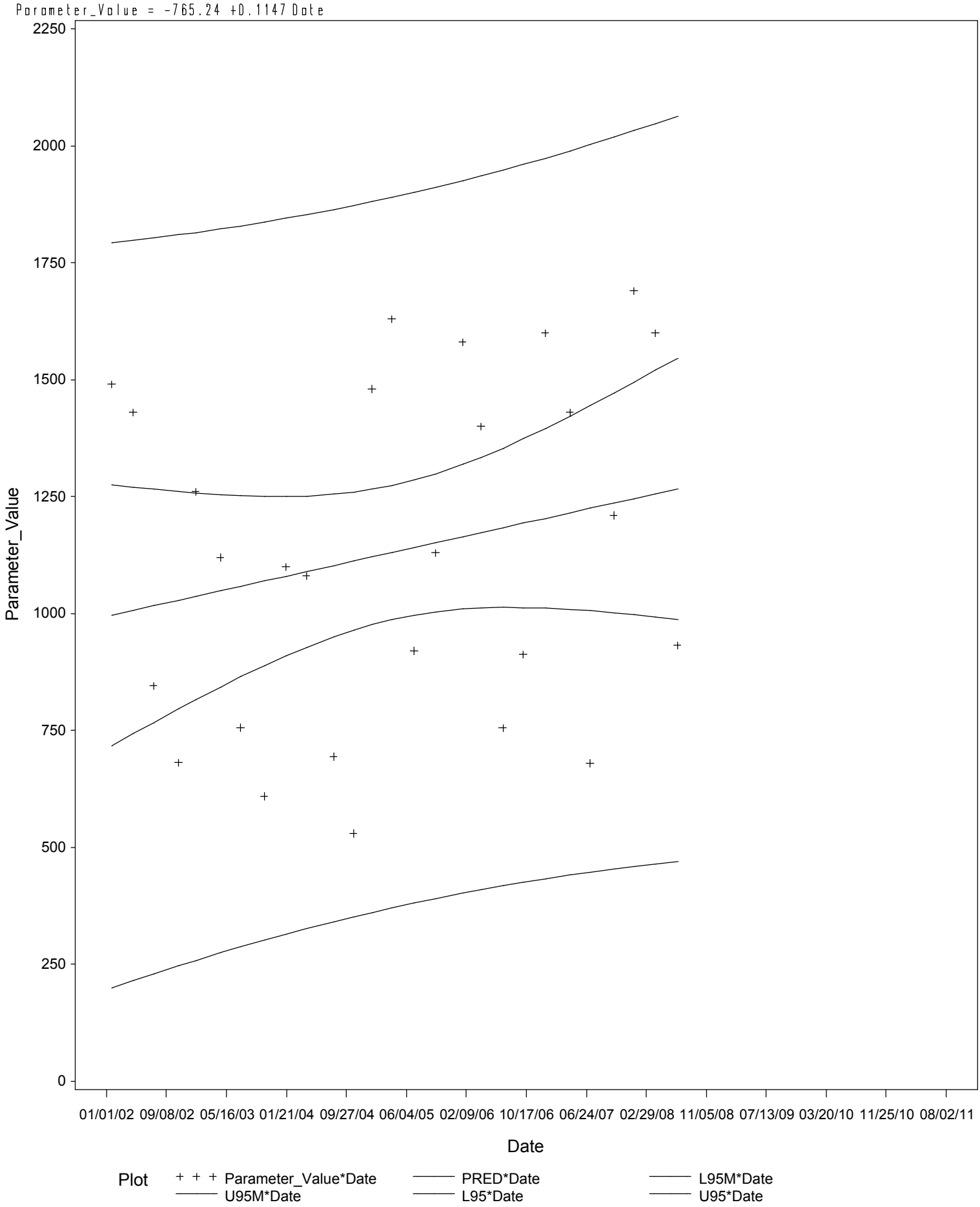
Lower Pecos River

Parameter=CHLORIDE (MG/L AS CL) Station=13240



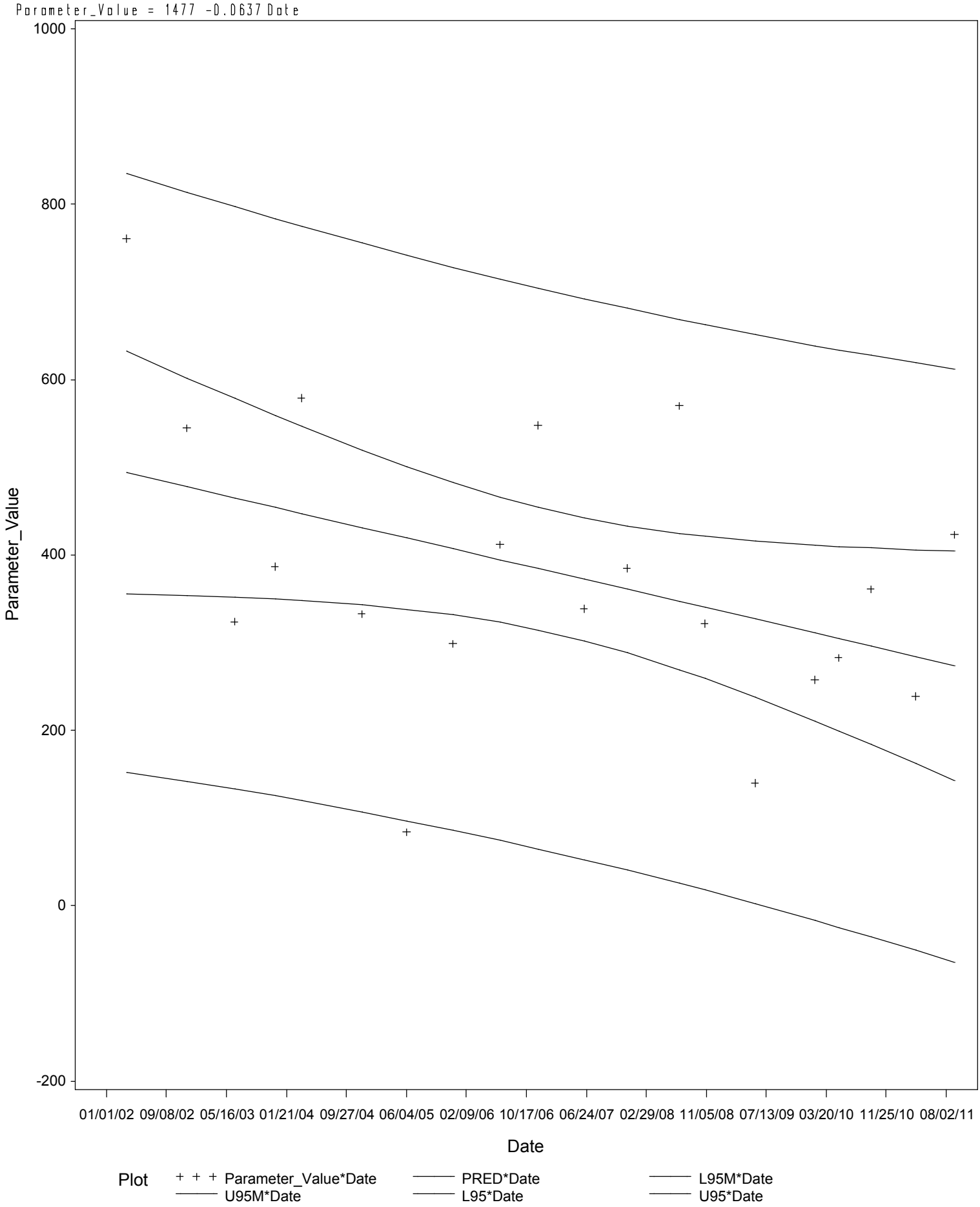
Lower Pecos River

Parameter=CHLORIDE (MG/L AS CL) Station=13246



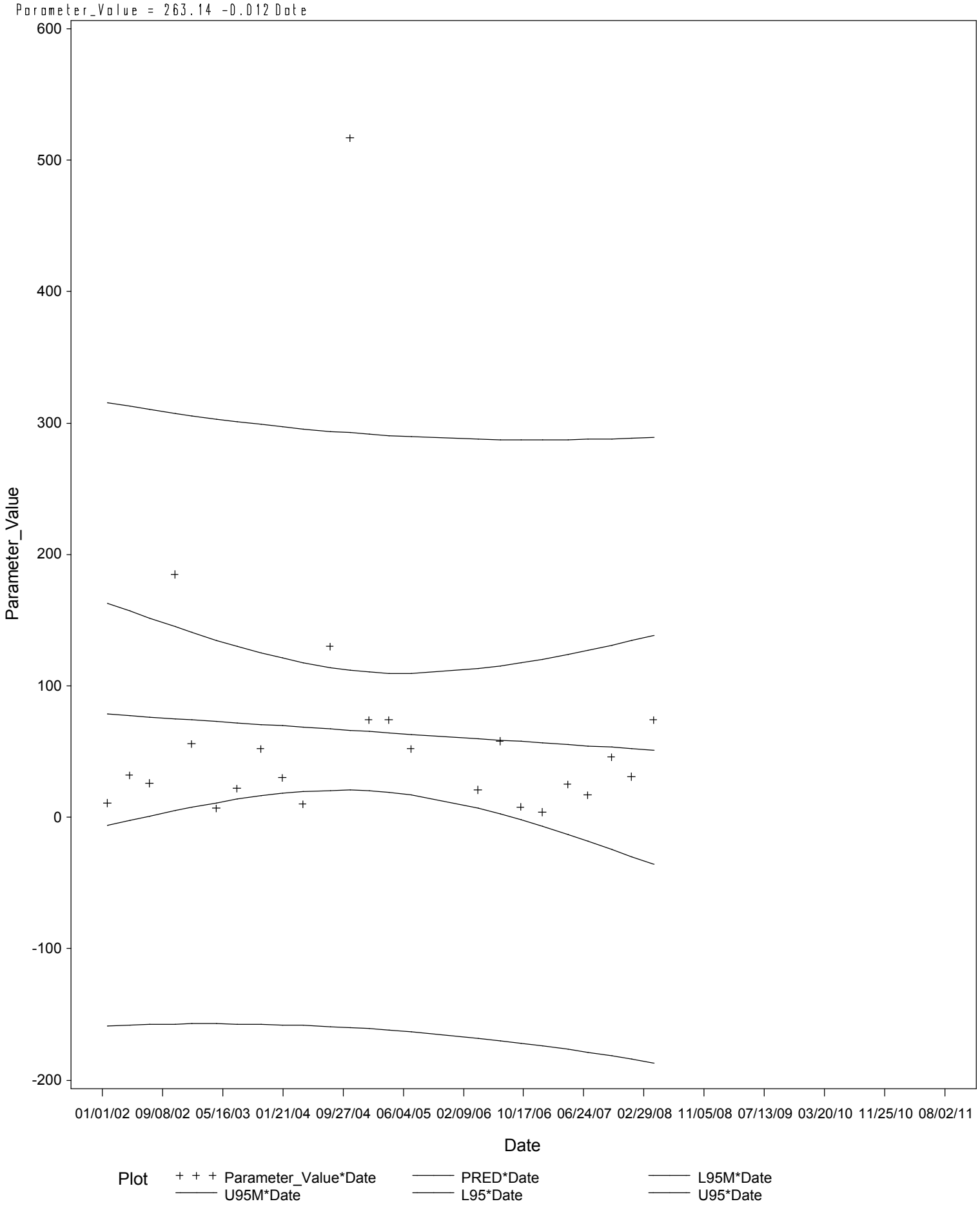
Lower Pecos River

Parameter=CHLORIDE (MG/L AS CL) Station=16379



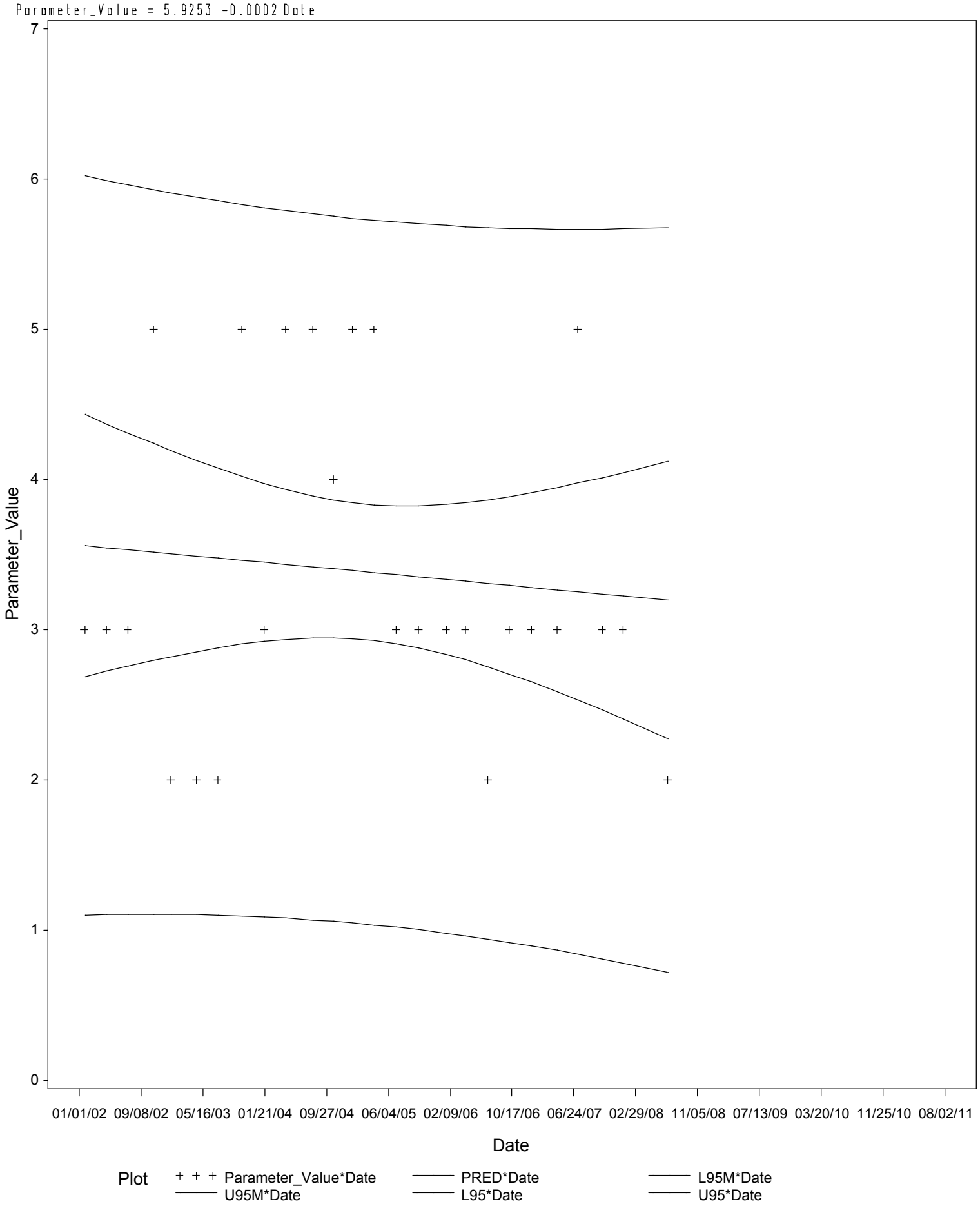
Lower Pecos River

Parameter=E. COLI, MPN/100ML Station=13246



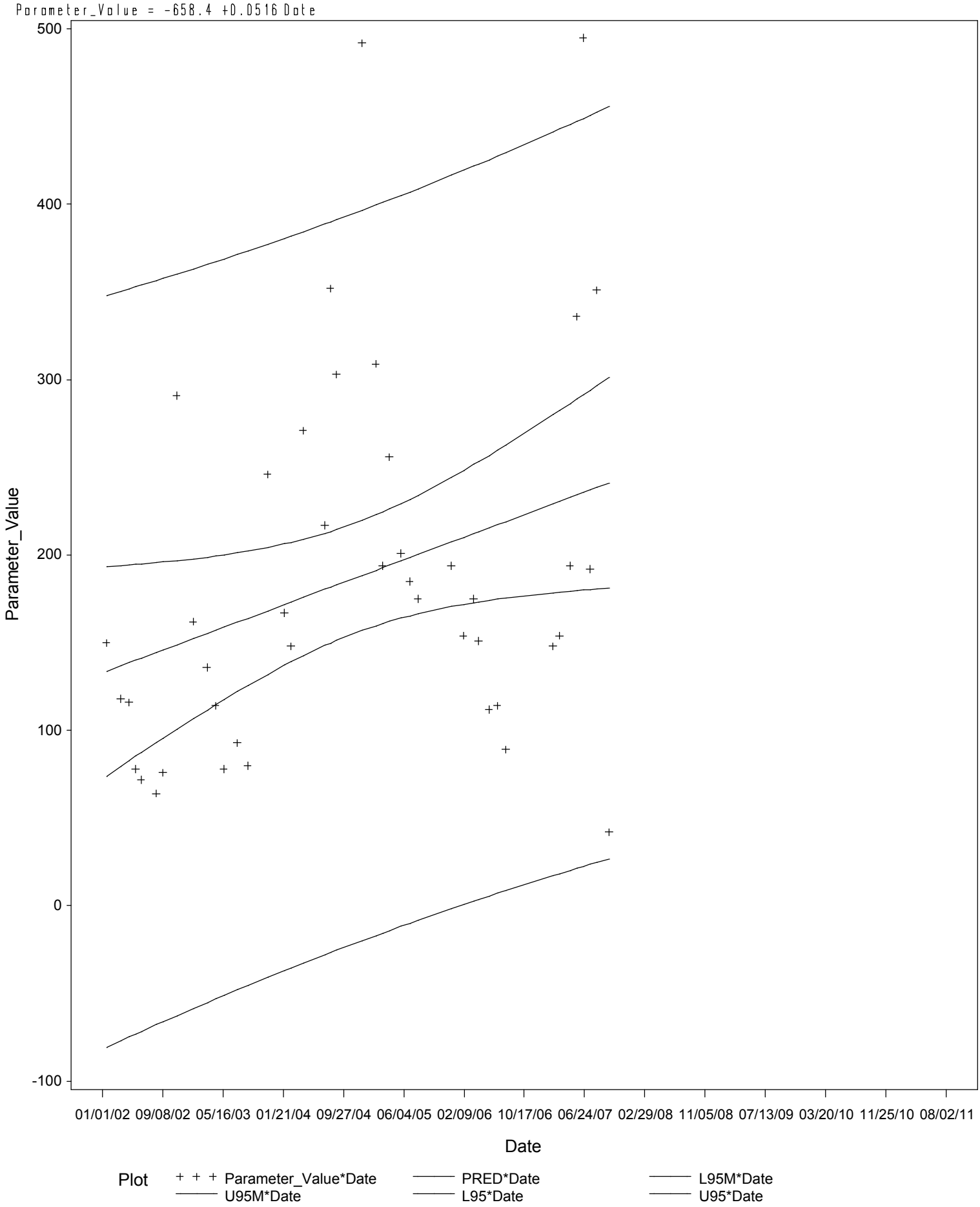
Lower Pecos River

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13246



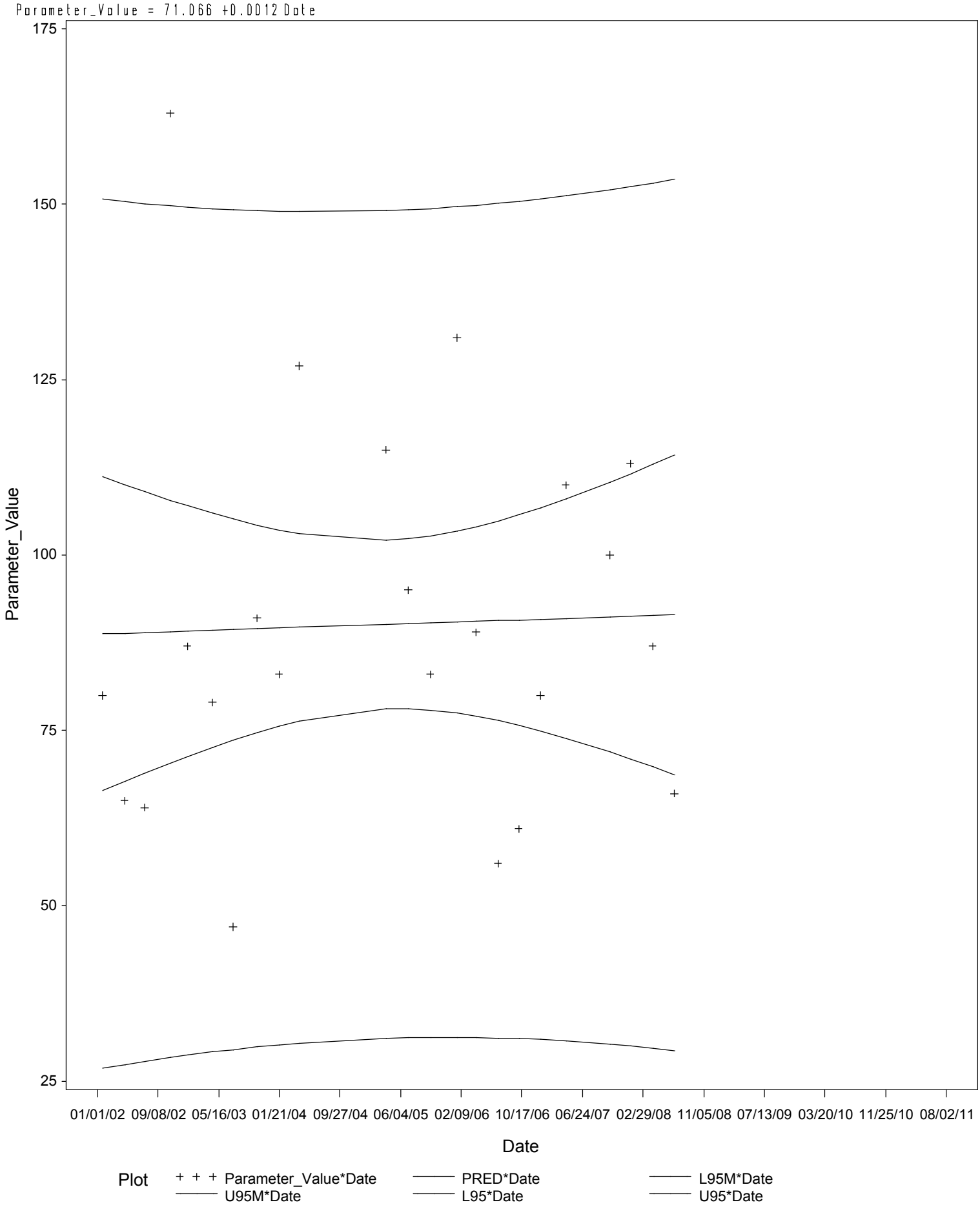
Lower Pecos River

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13240



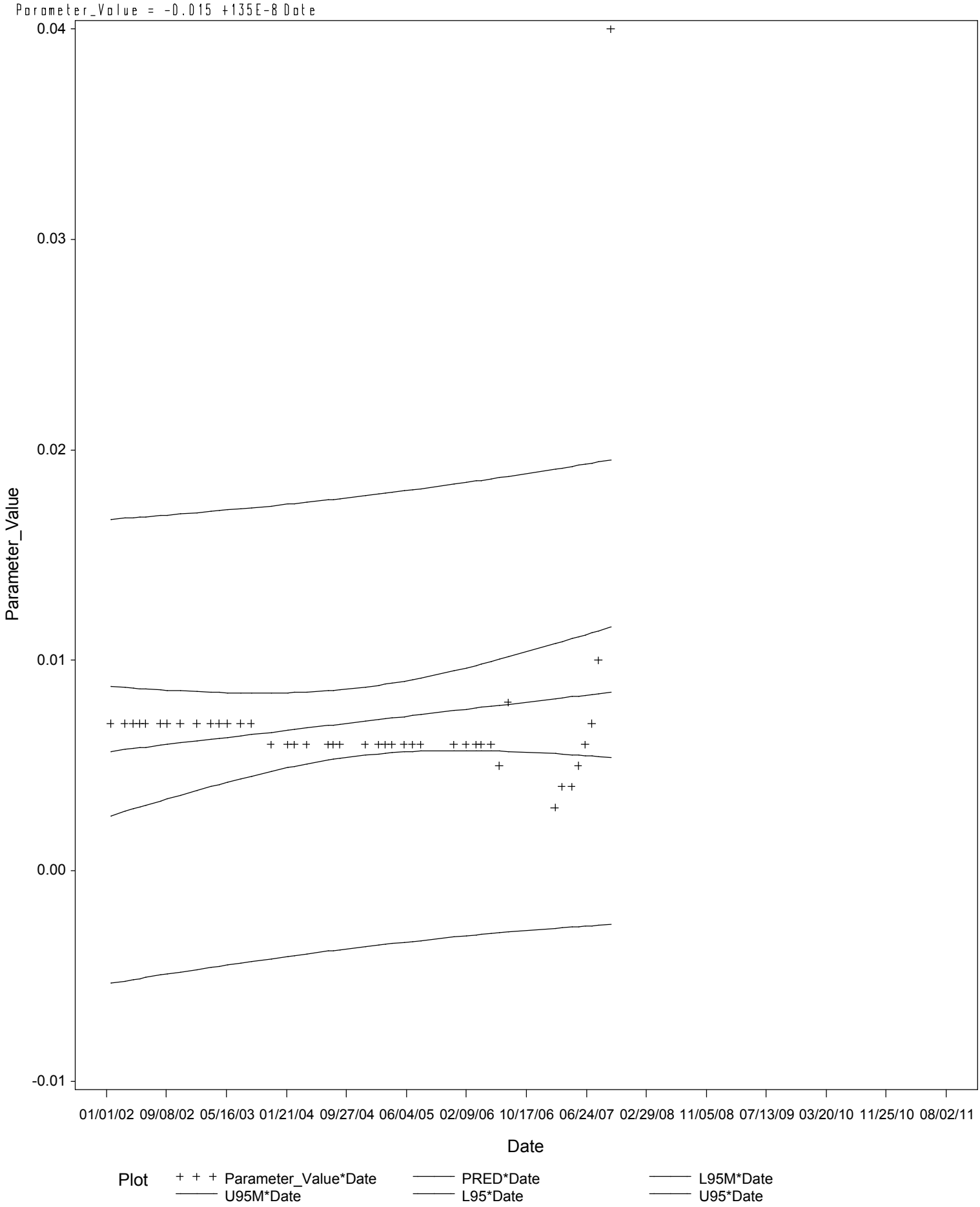
Lower Pecos River

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13246



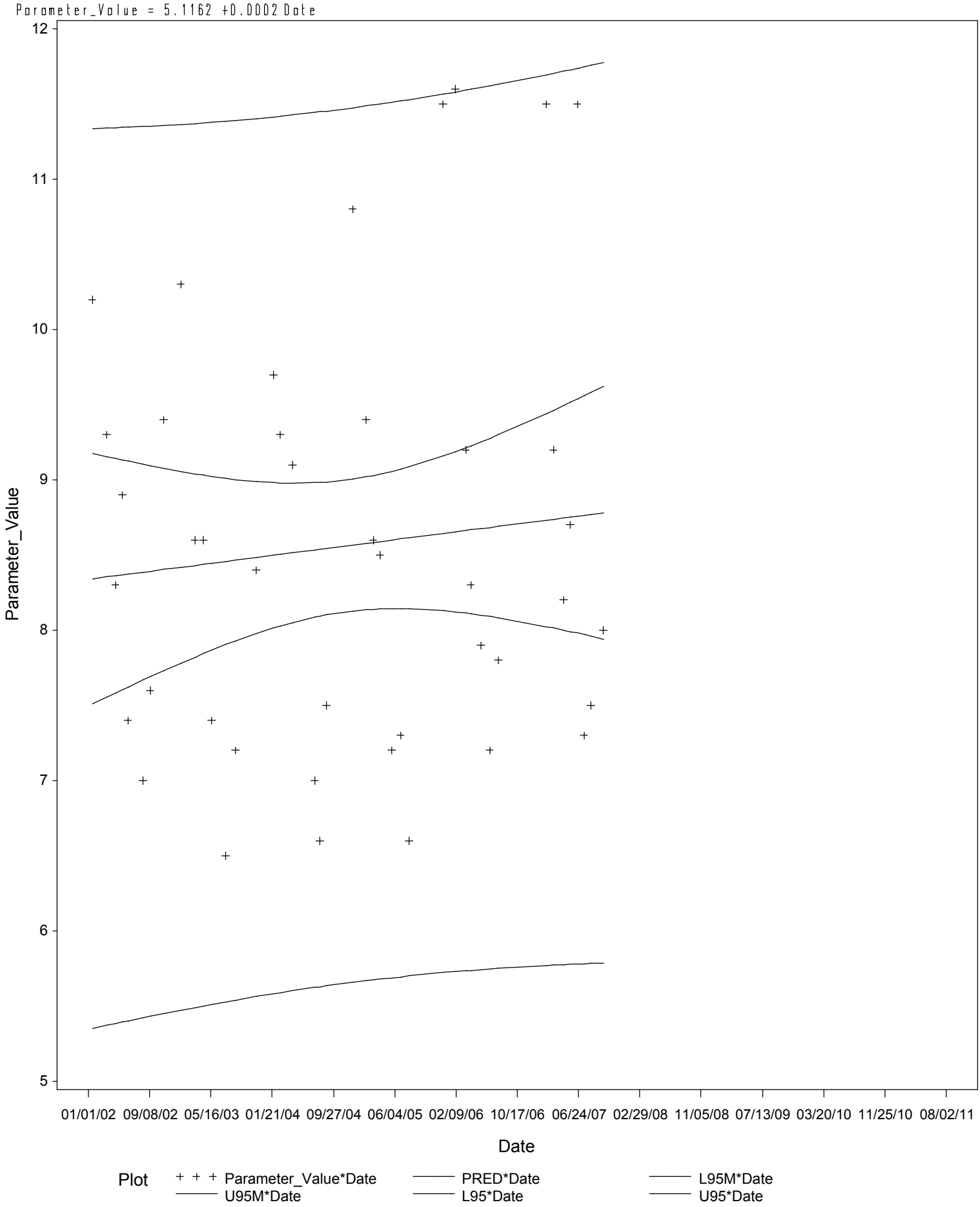
Lower Pecos River

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13240



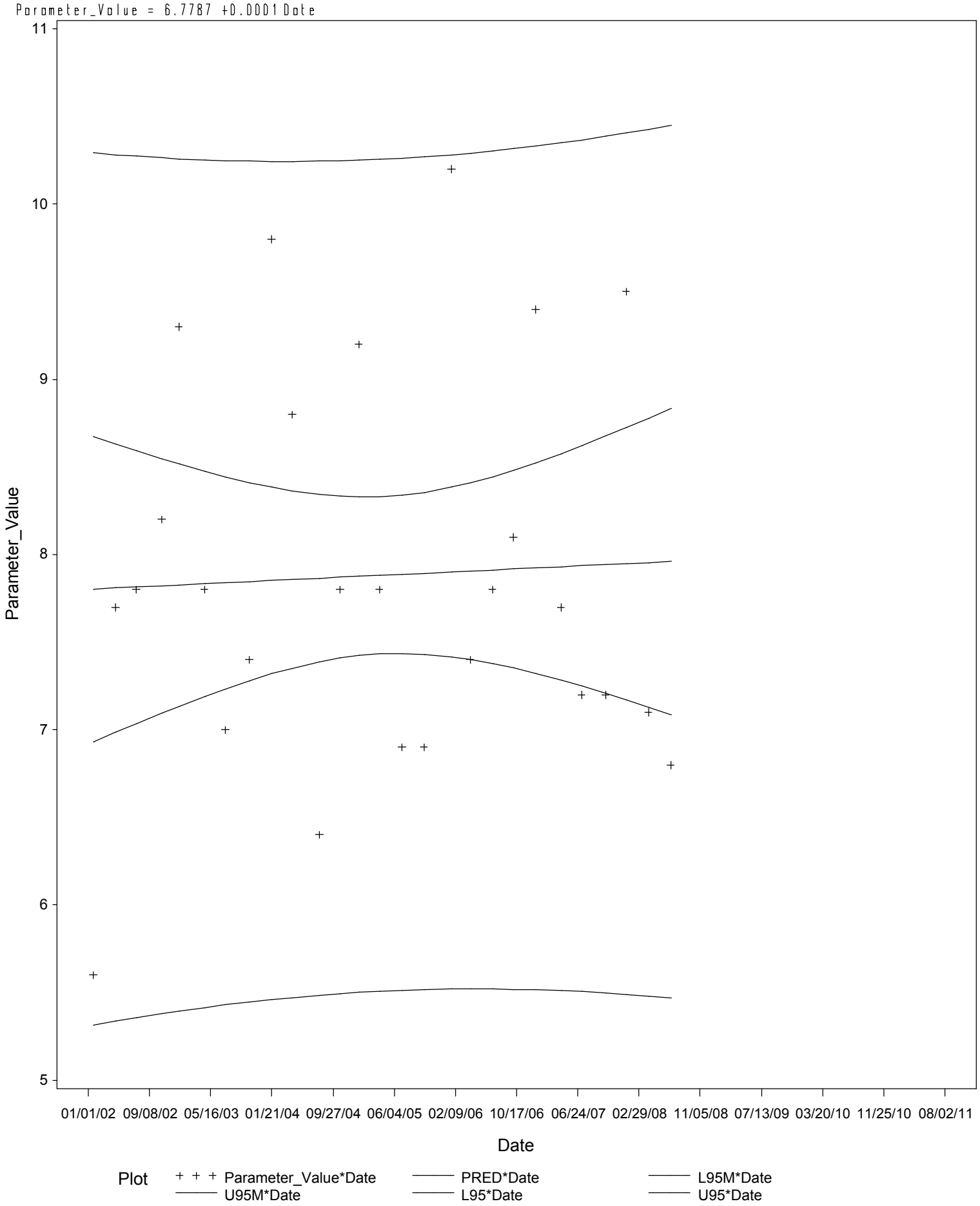
Lower Pecos River

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13240



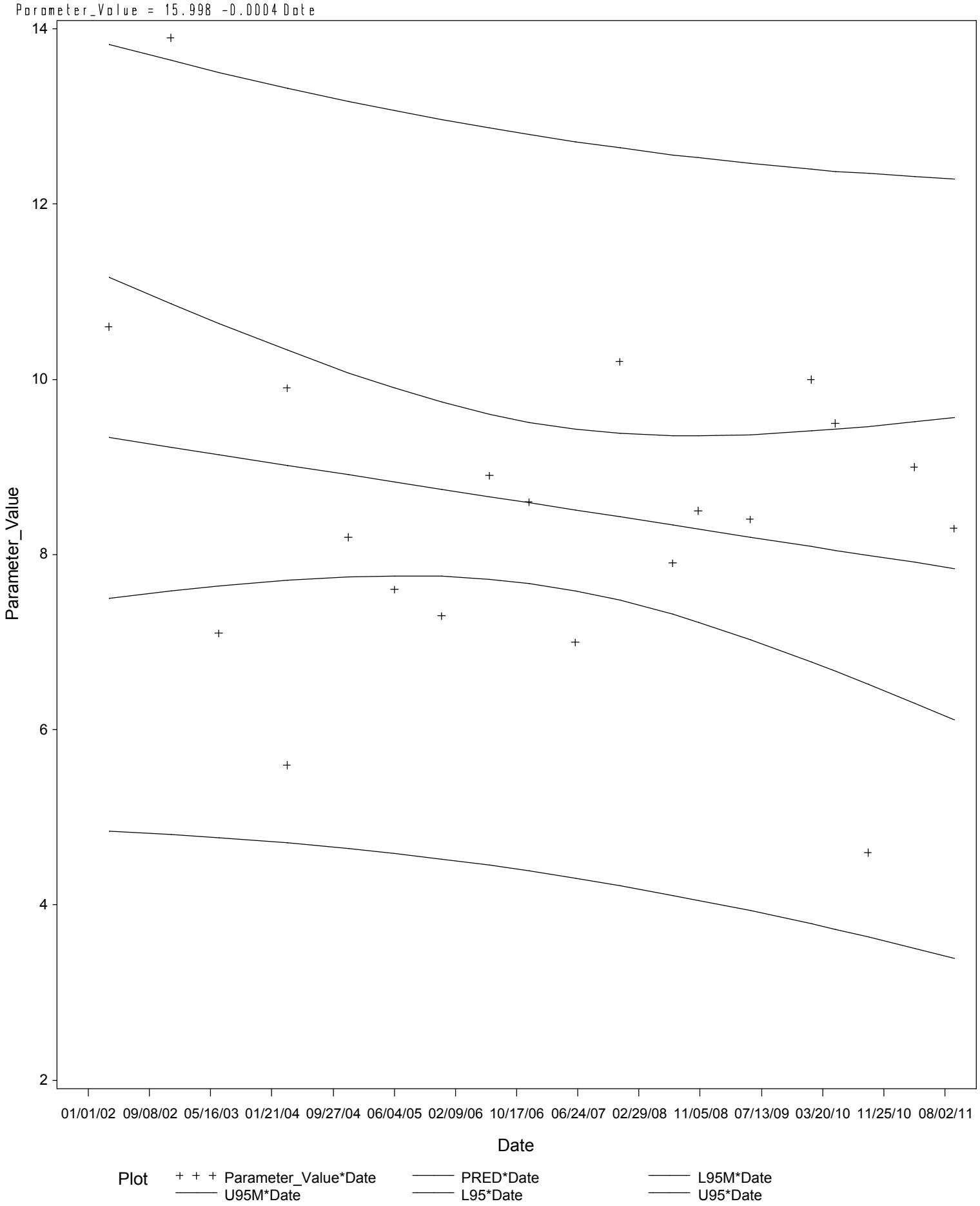
Lower Pecos River

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13246



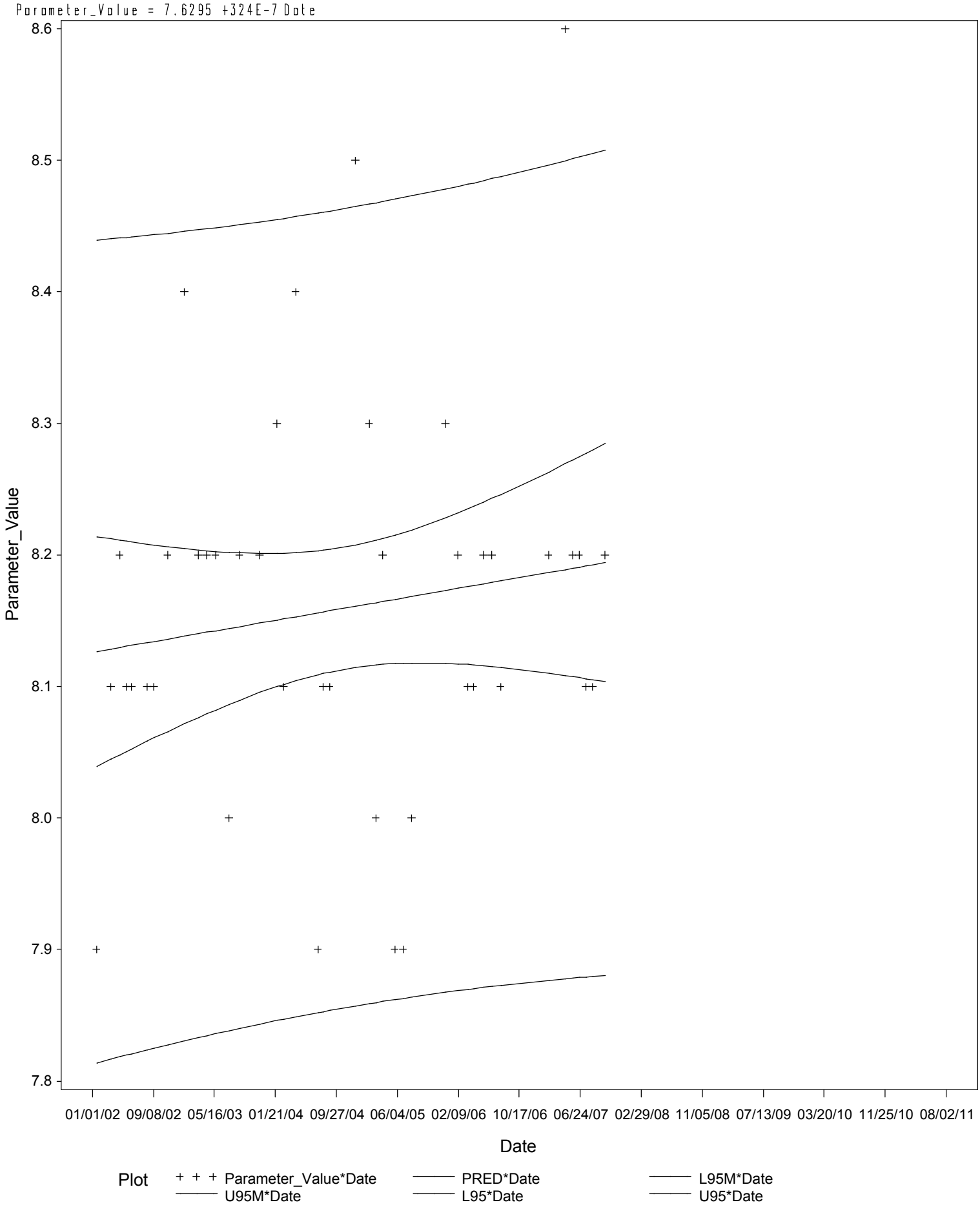
Lower Pecos River

Parameter=OXYGEN, DISSOLVED (MG/L) Station=16379



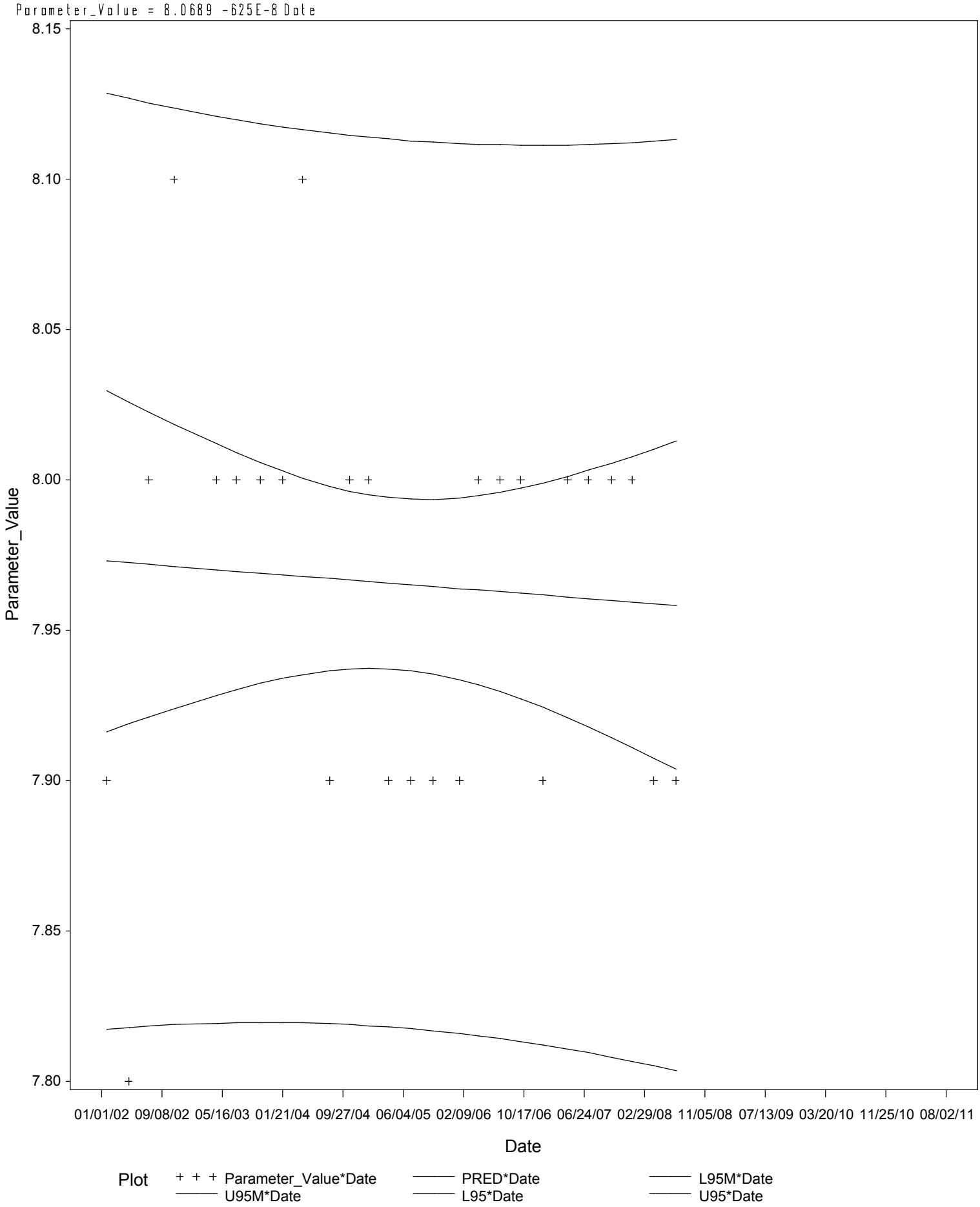
Lower Pecos River

Parameter=PH (STANDARD UNITS) Station=13240



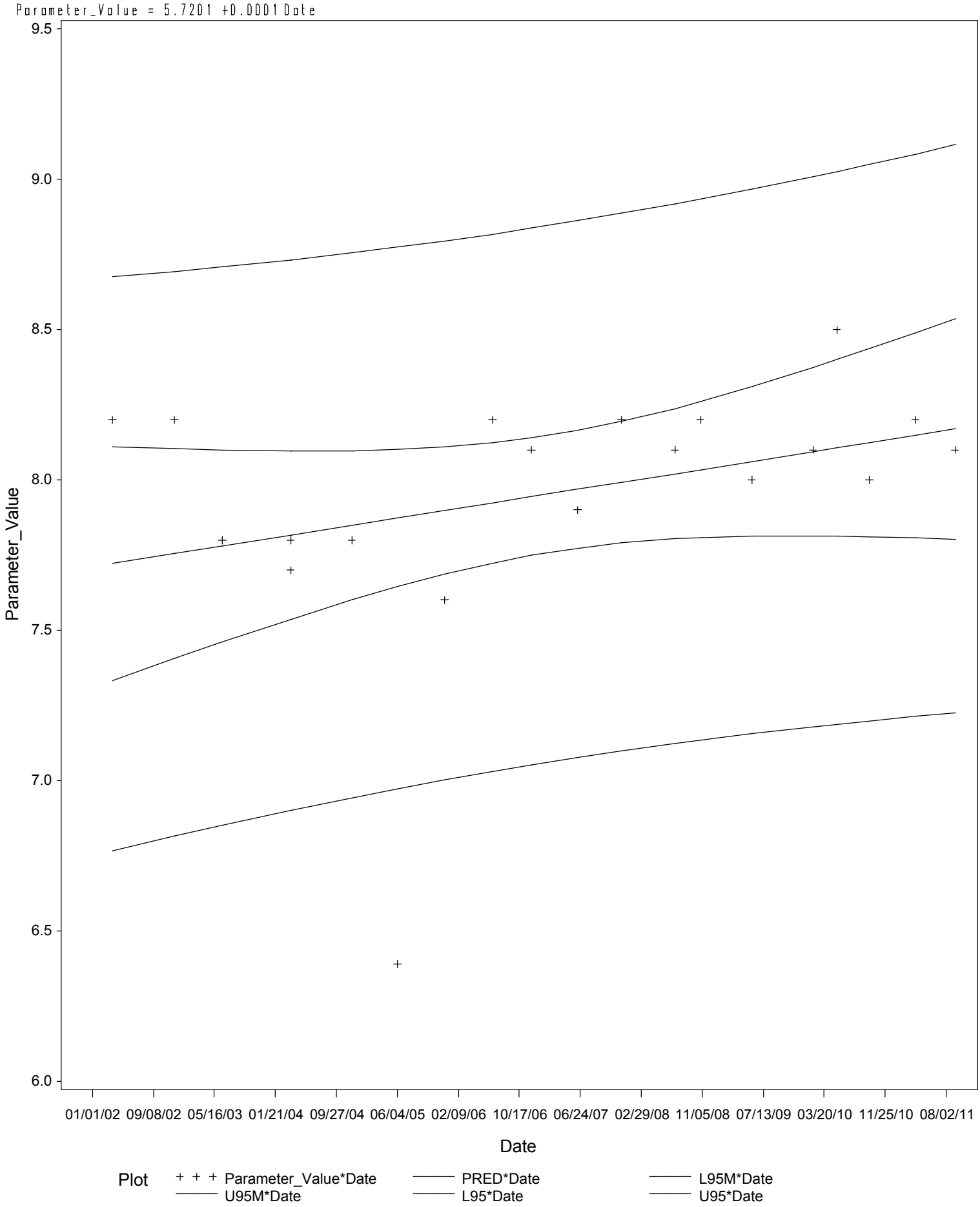
Lower Pecos River

Parameter=PH (STANDARD UNITS) Station=13246



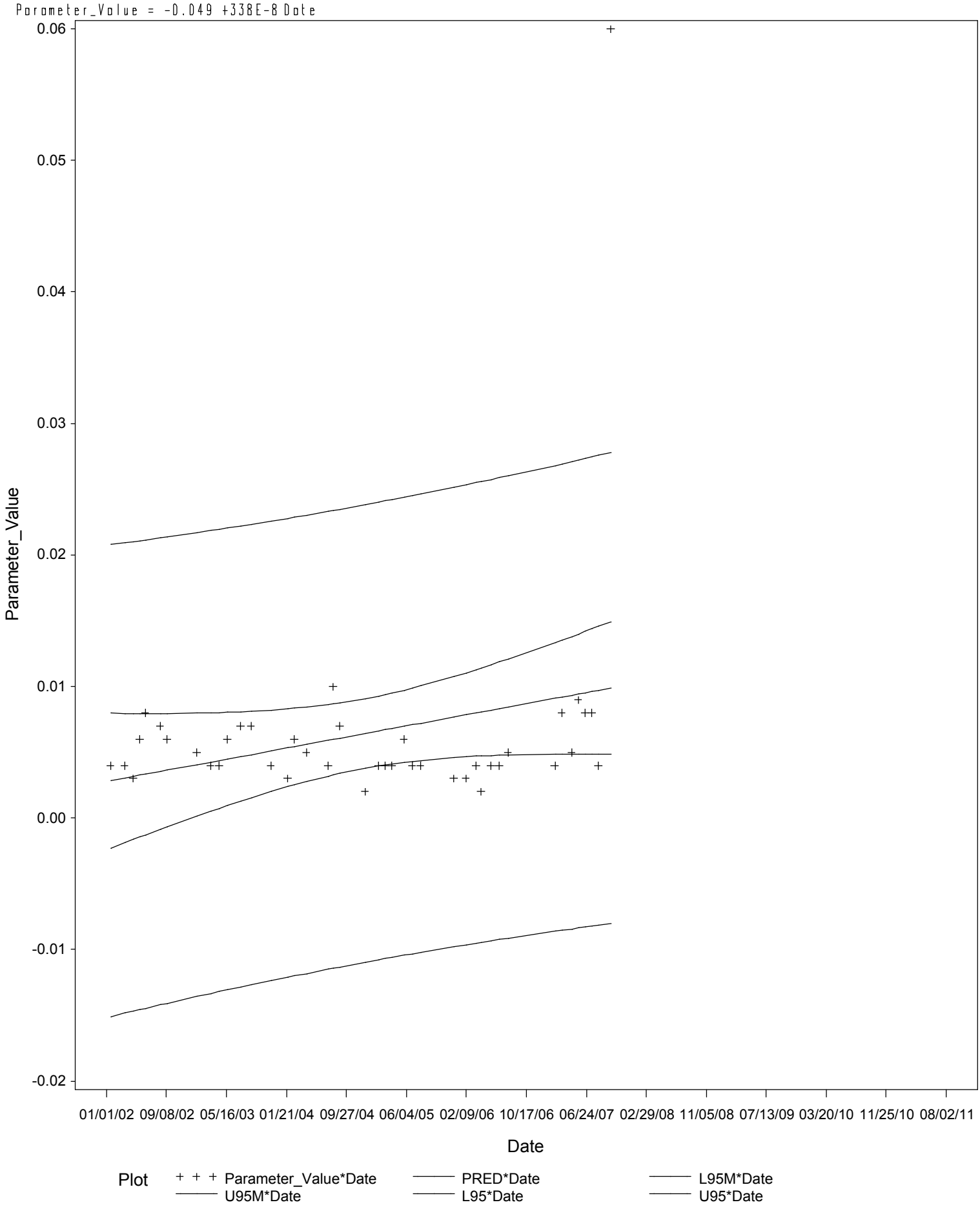
Lower Pecos River

Parameter=PH (STANDARD UNITS) Station=16379



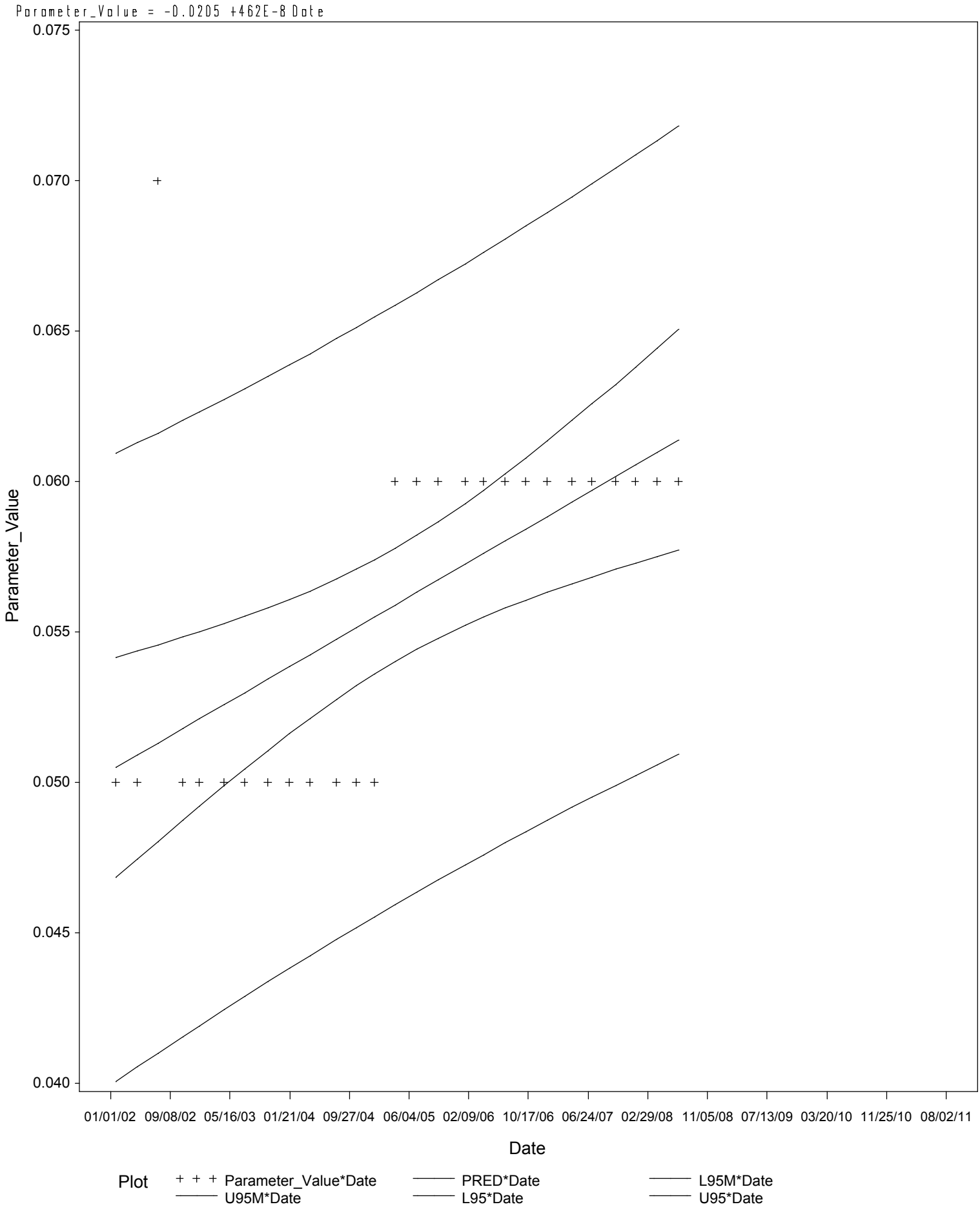
Lower Pecos River

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13240



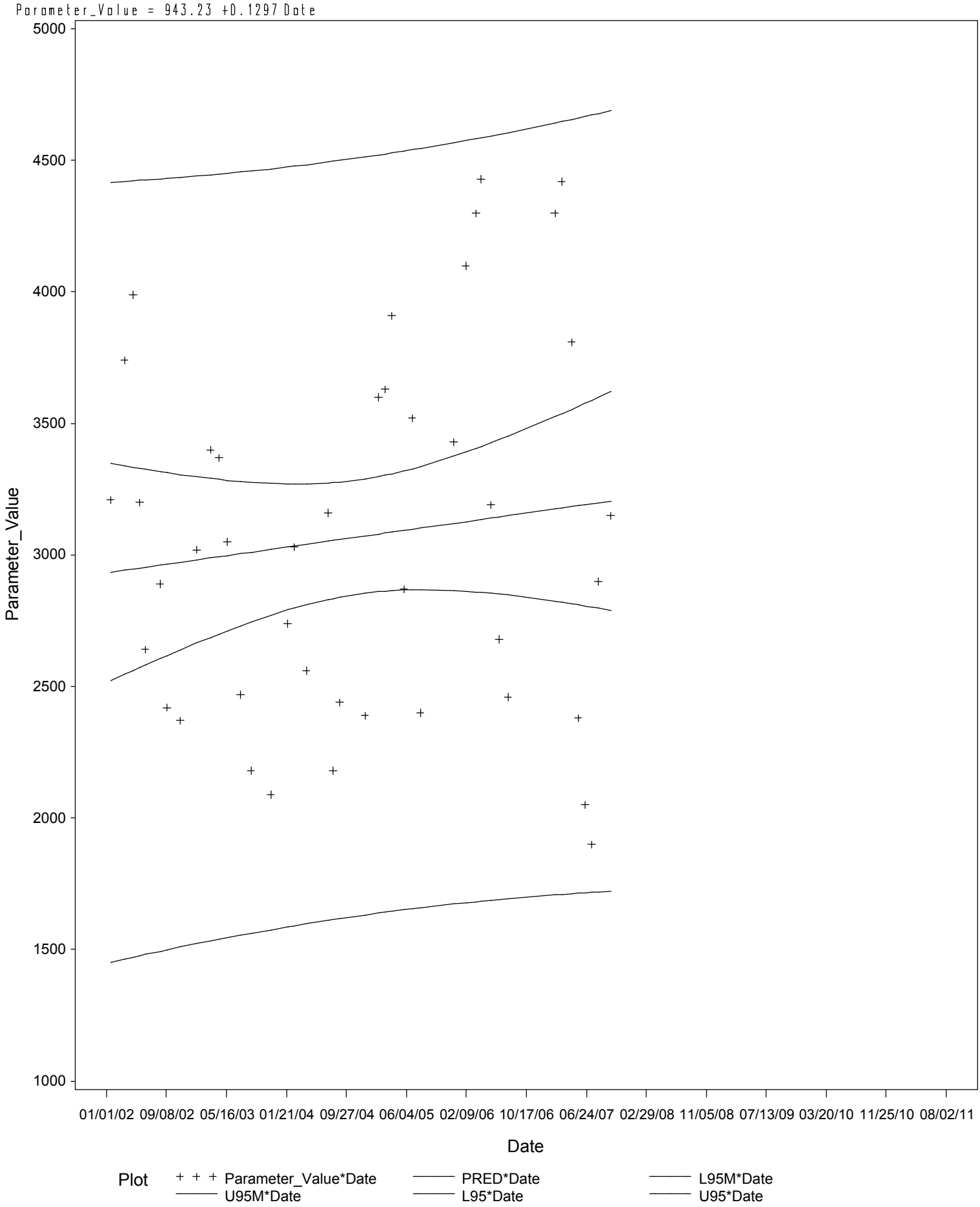
Lower Pecos River

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13246



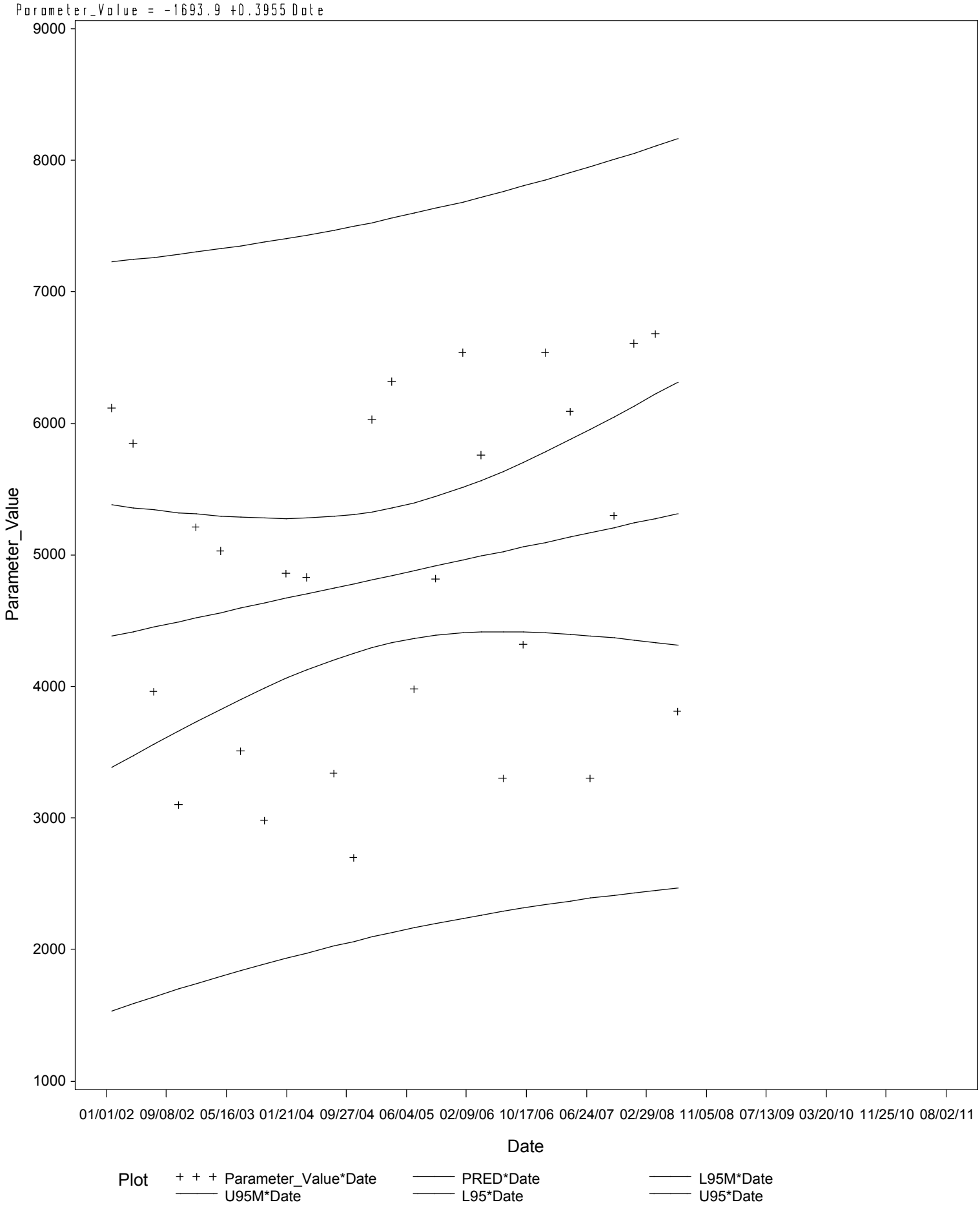
Lower Pecos River

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13240



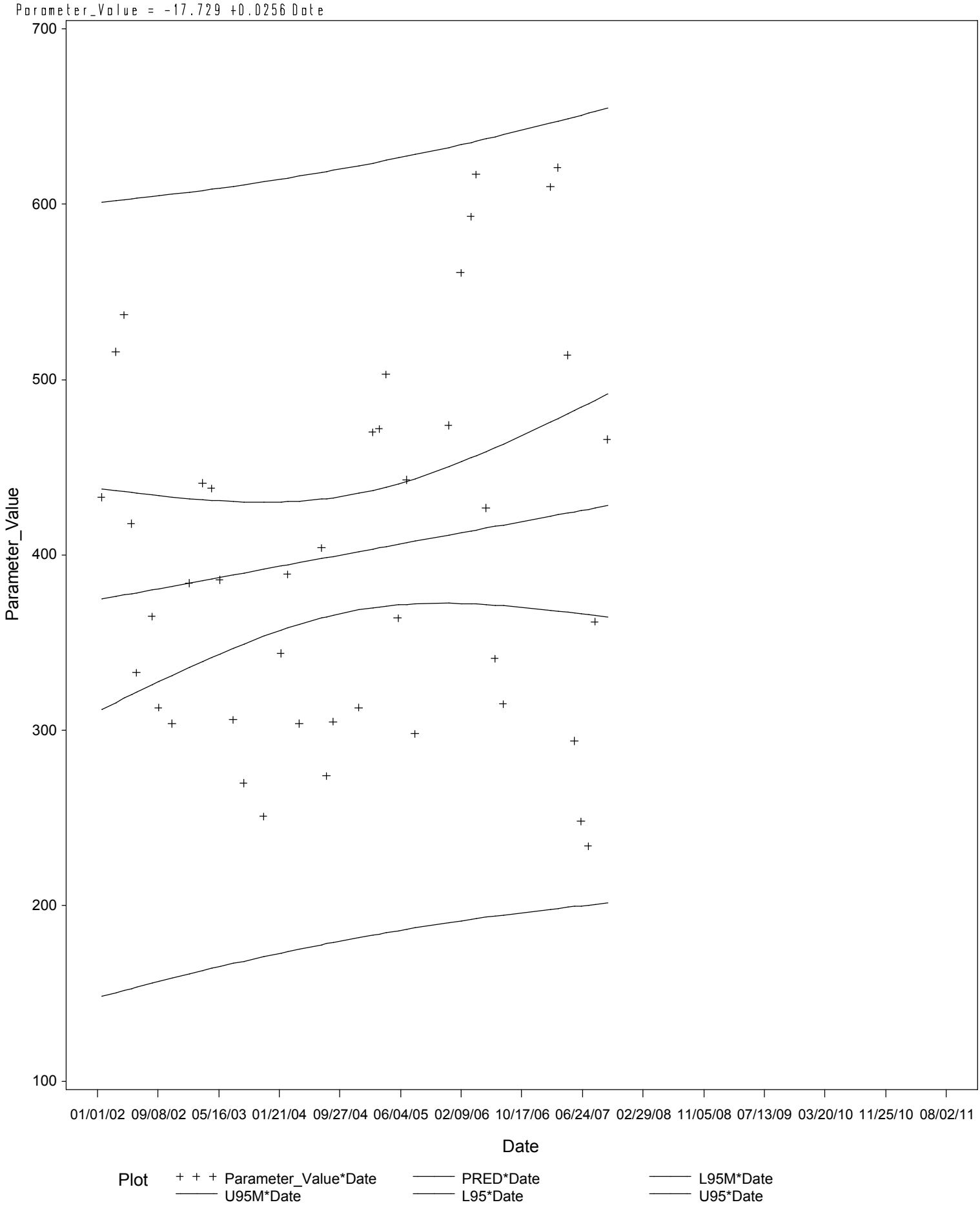
Lower Pecos River

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13246



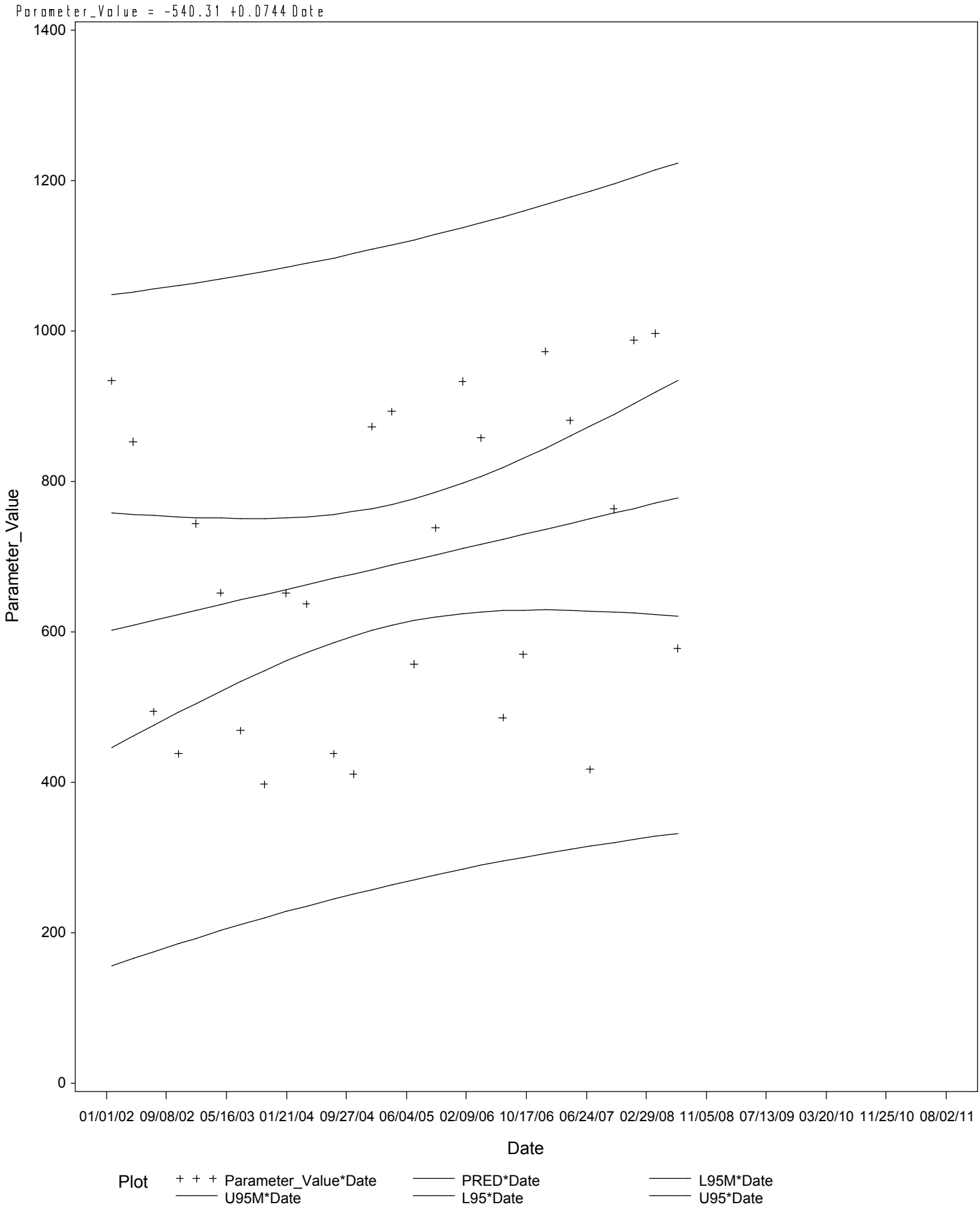
Lower Pecos River

Parameter=SULFATE (MG/L AS SO4) Station=13240



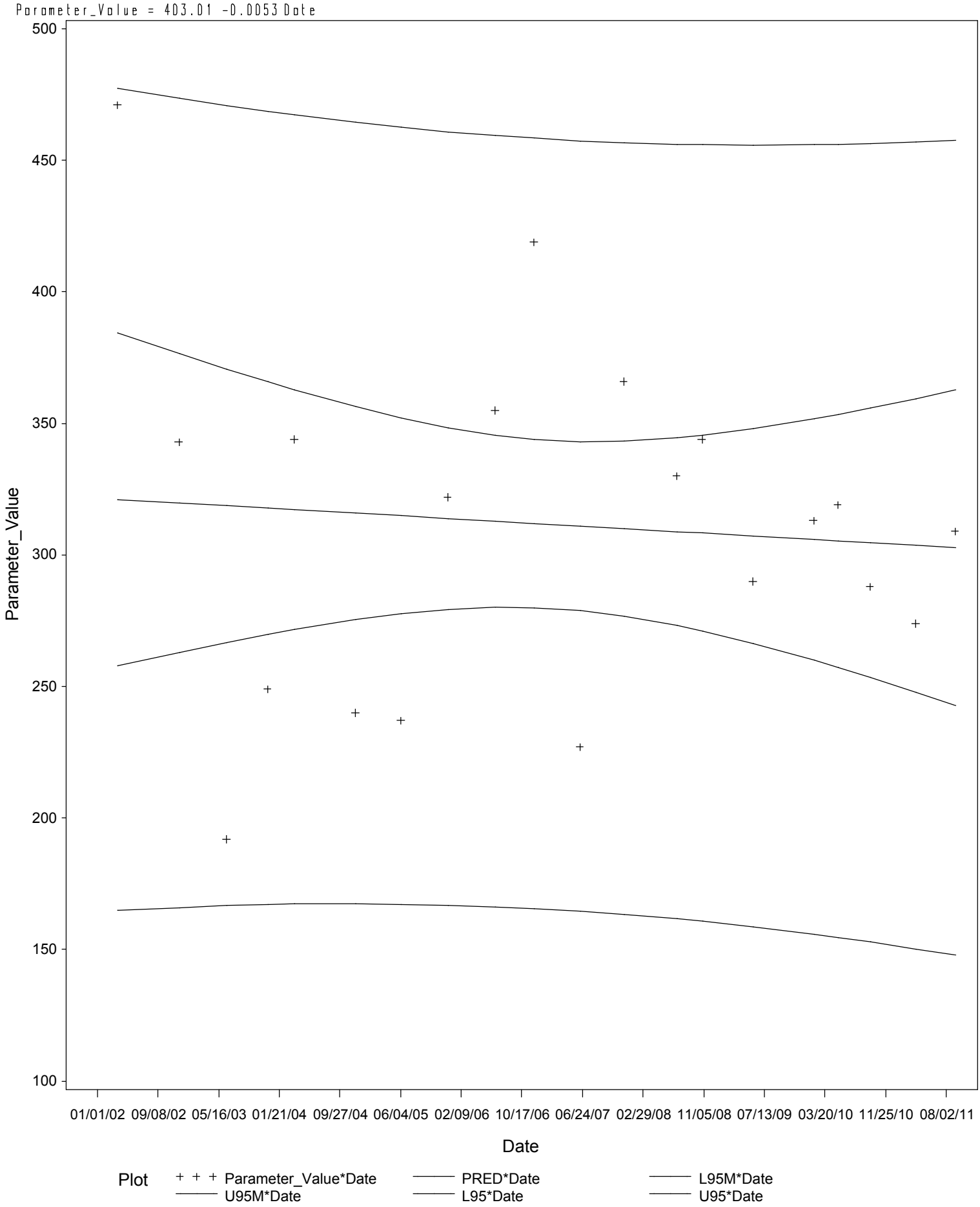
Lower Pecos River

Parameter=SULFATE (MG/L AS SO4) Station=13246



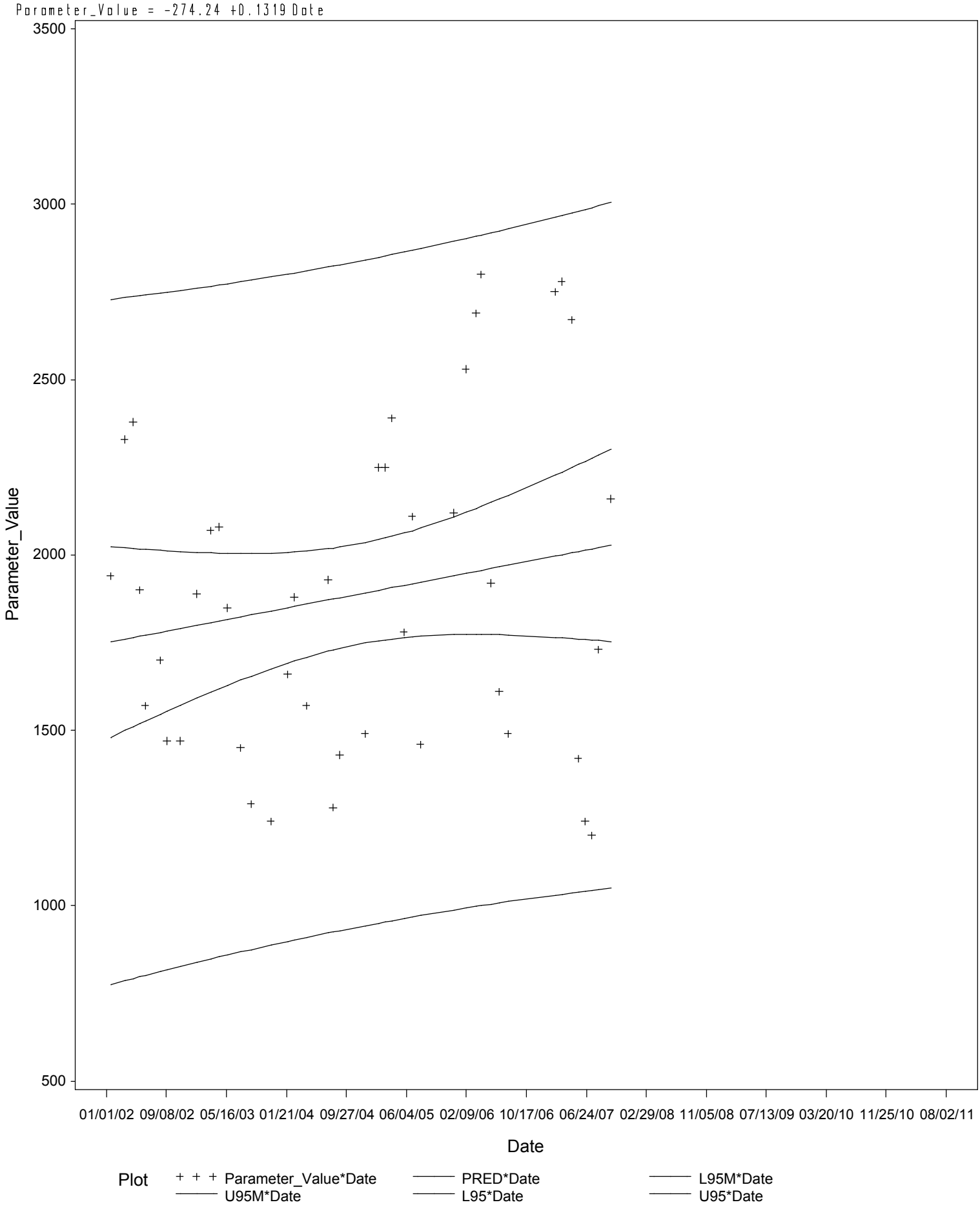
Lower Pecos River

Parameter=SULFATE (MG/L AS SO4) Station=16379



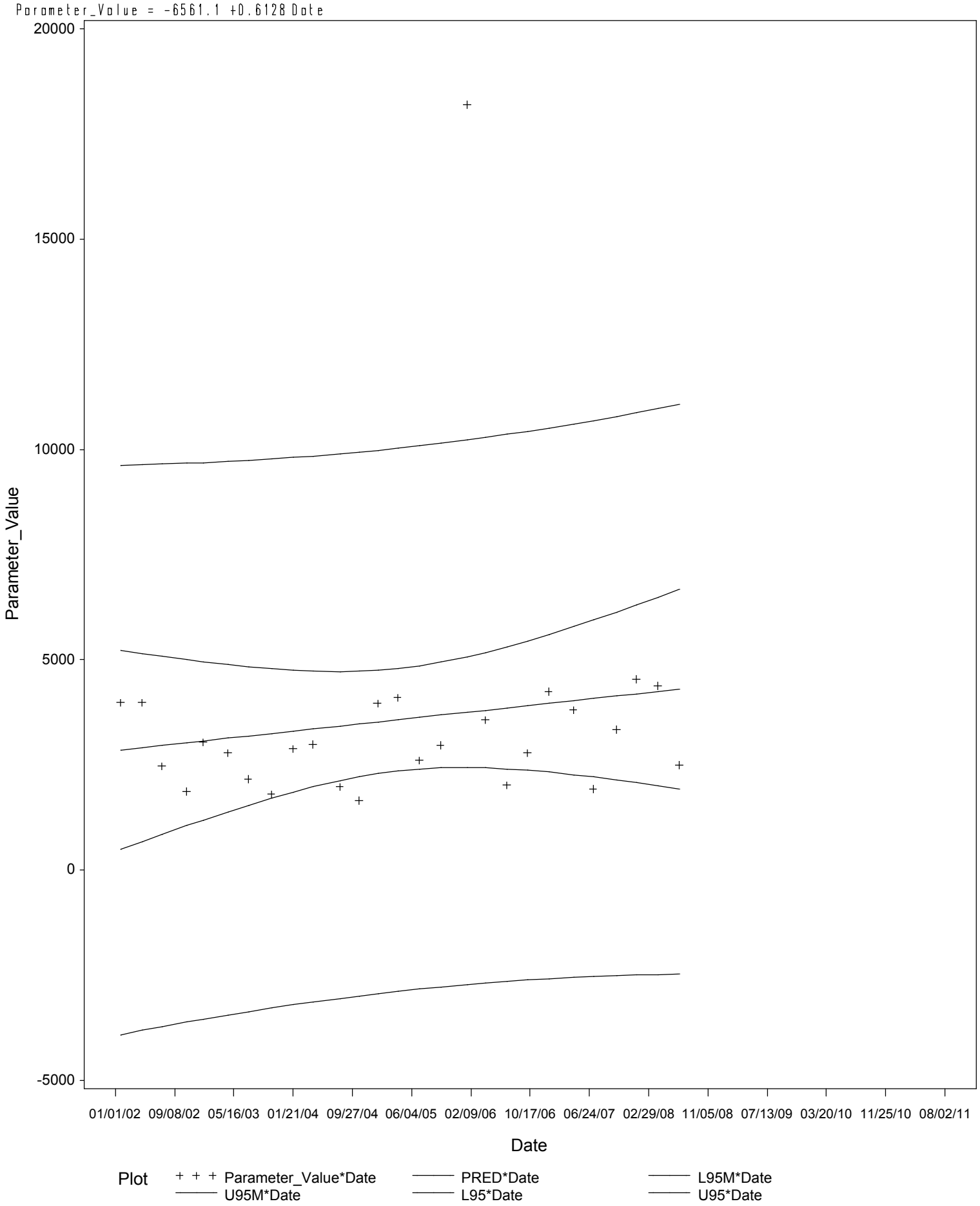
Lower Pecos River

Parameter=TDS (MG/L) Station=13240



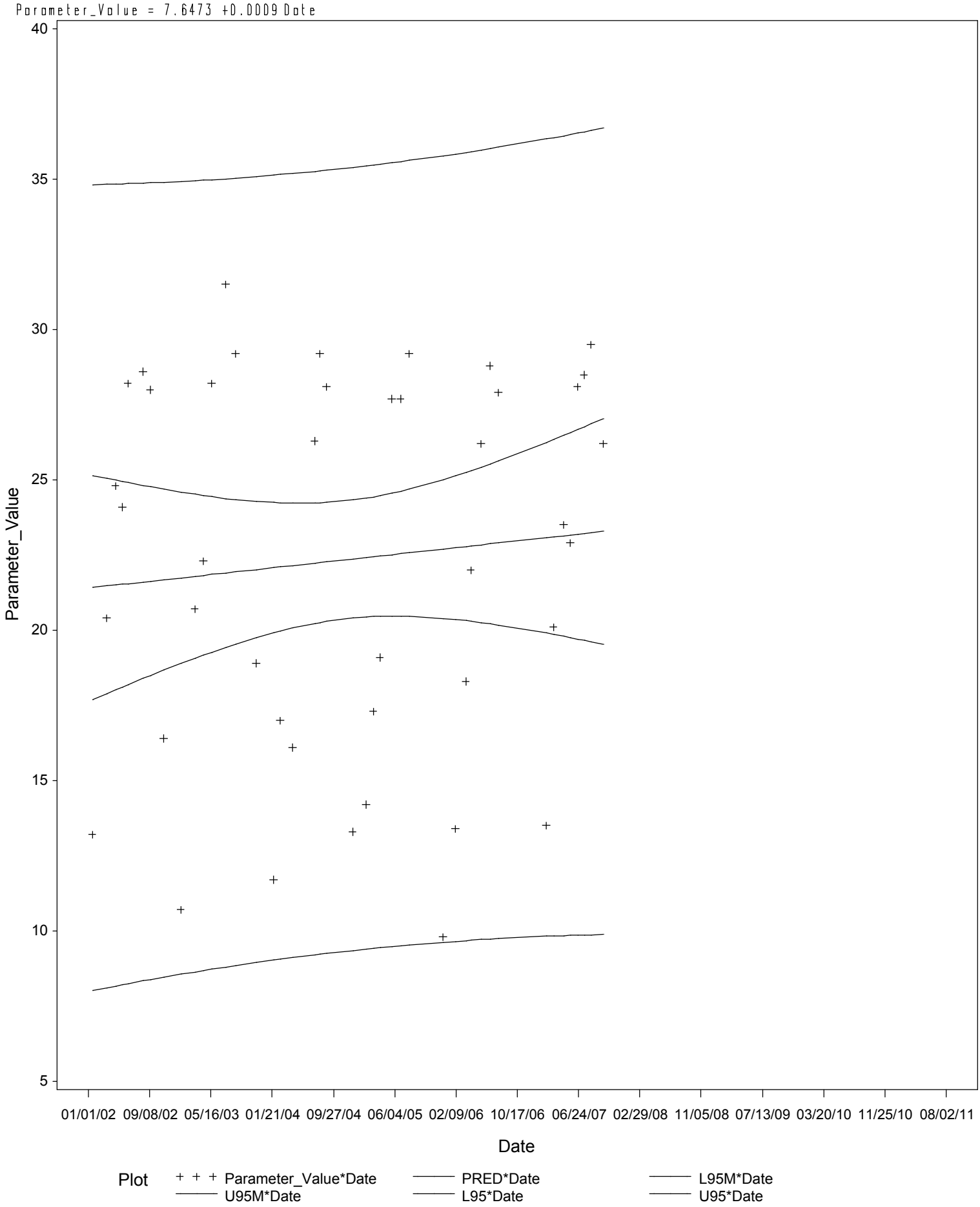
Lower Pecos River

Parameter=TDS (MG/L) Station=13246



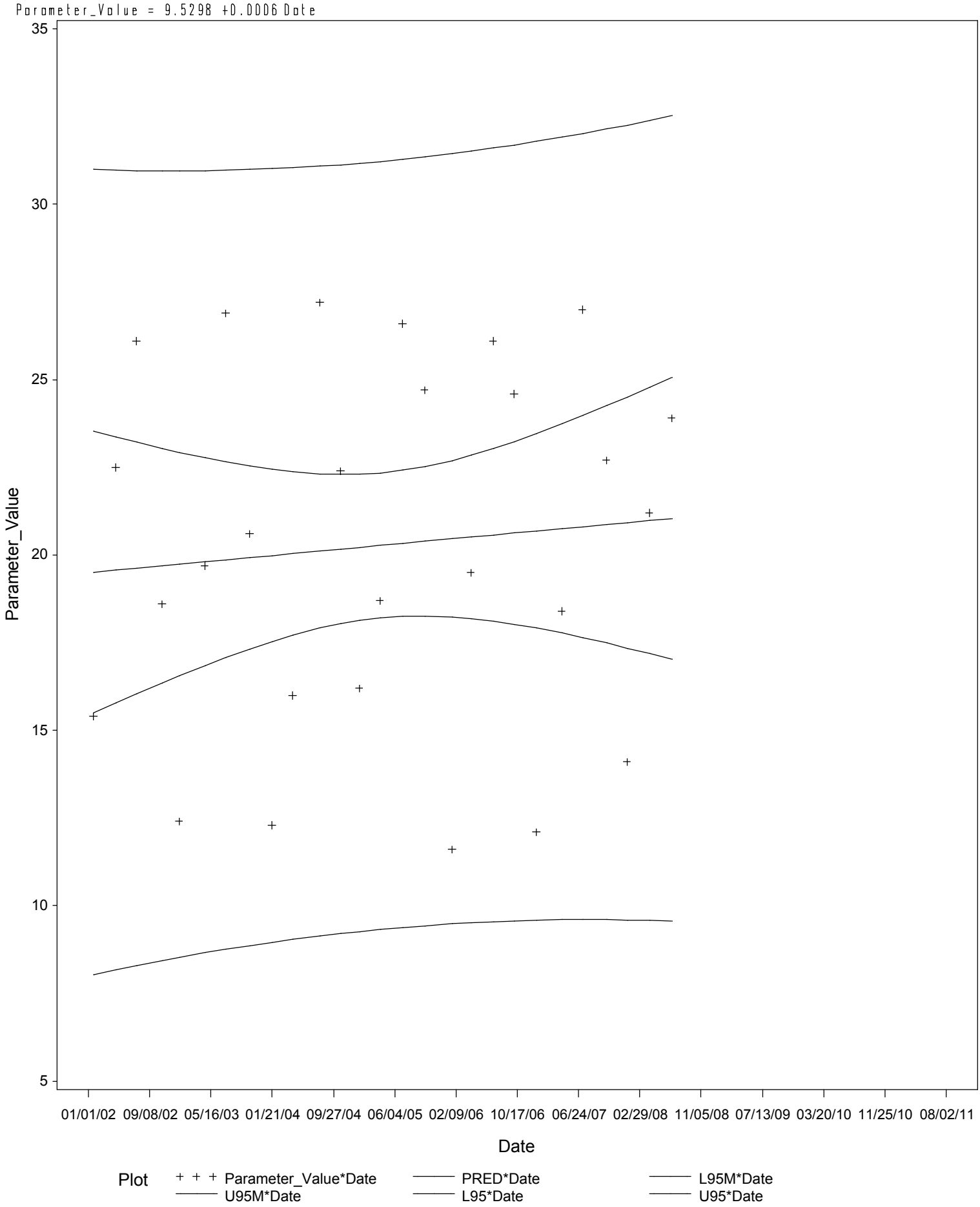
Lower Pecos River

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13240



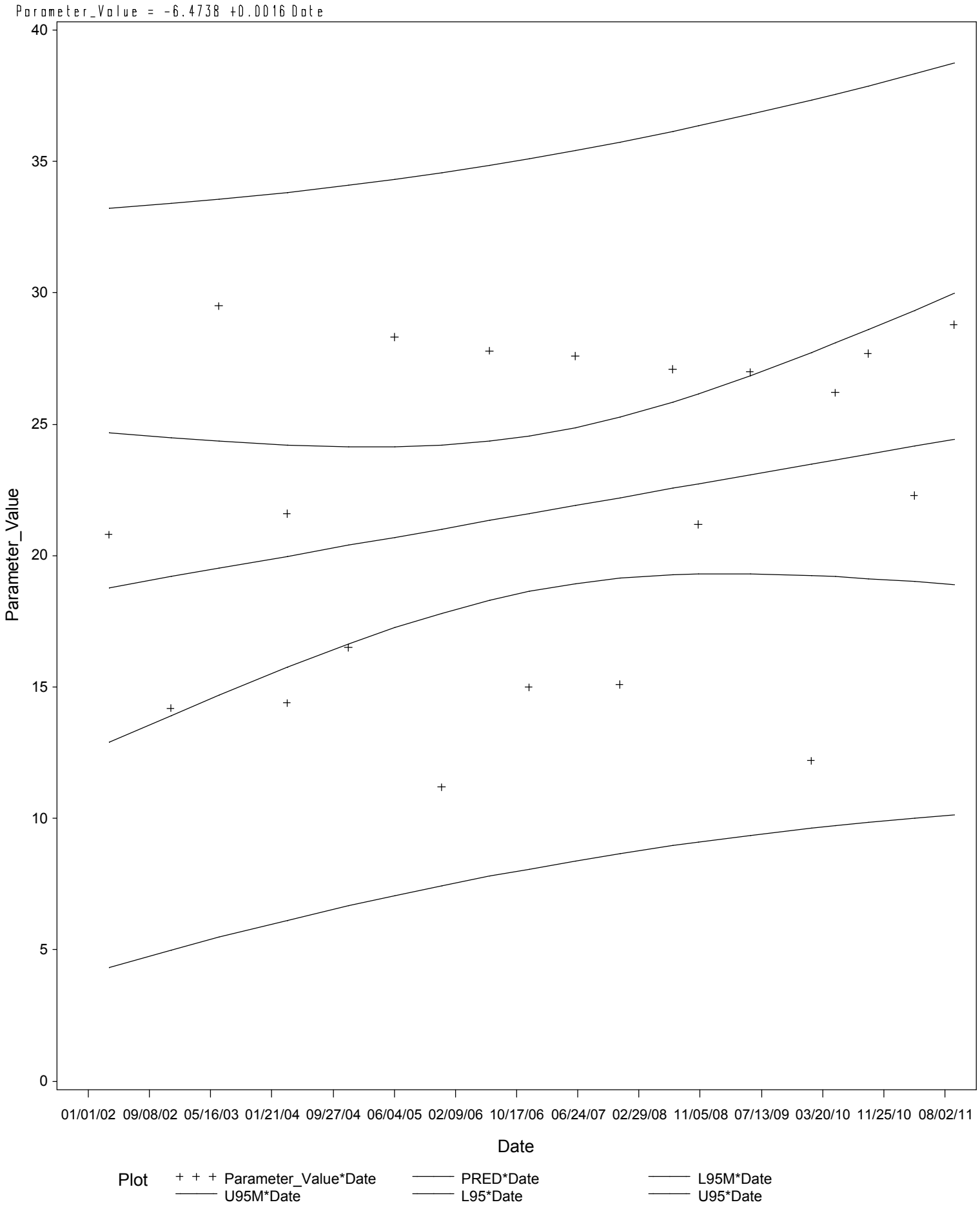
Lower Pecos River

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13246



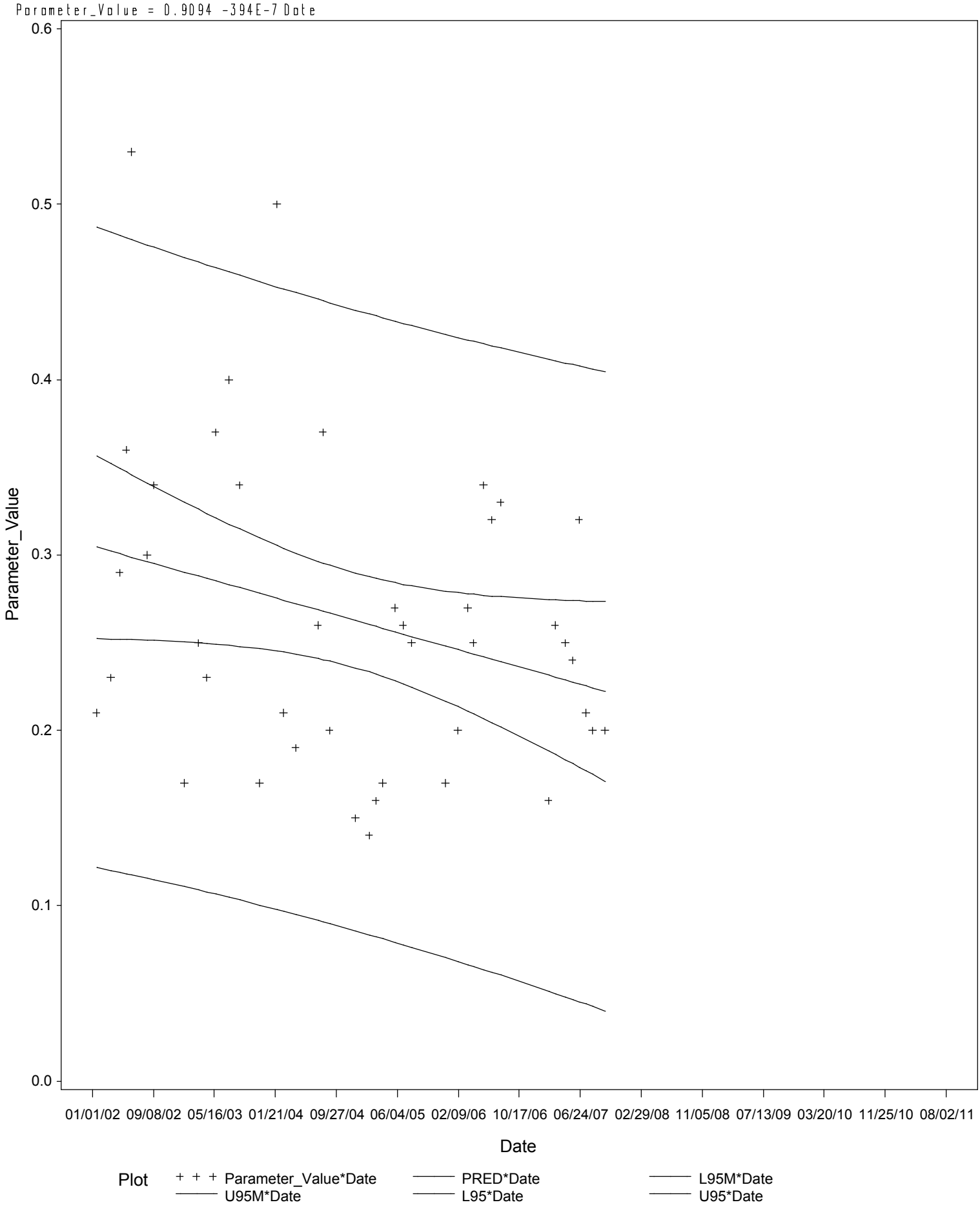
Lower Pecos River

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=16379



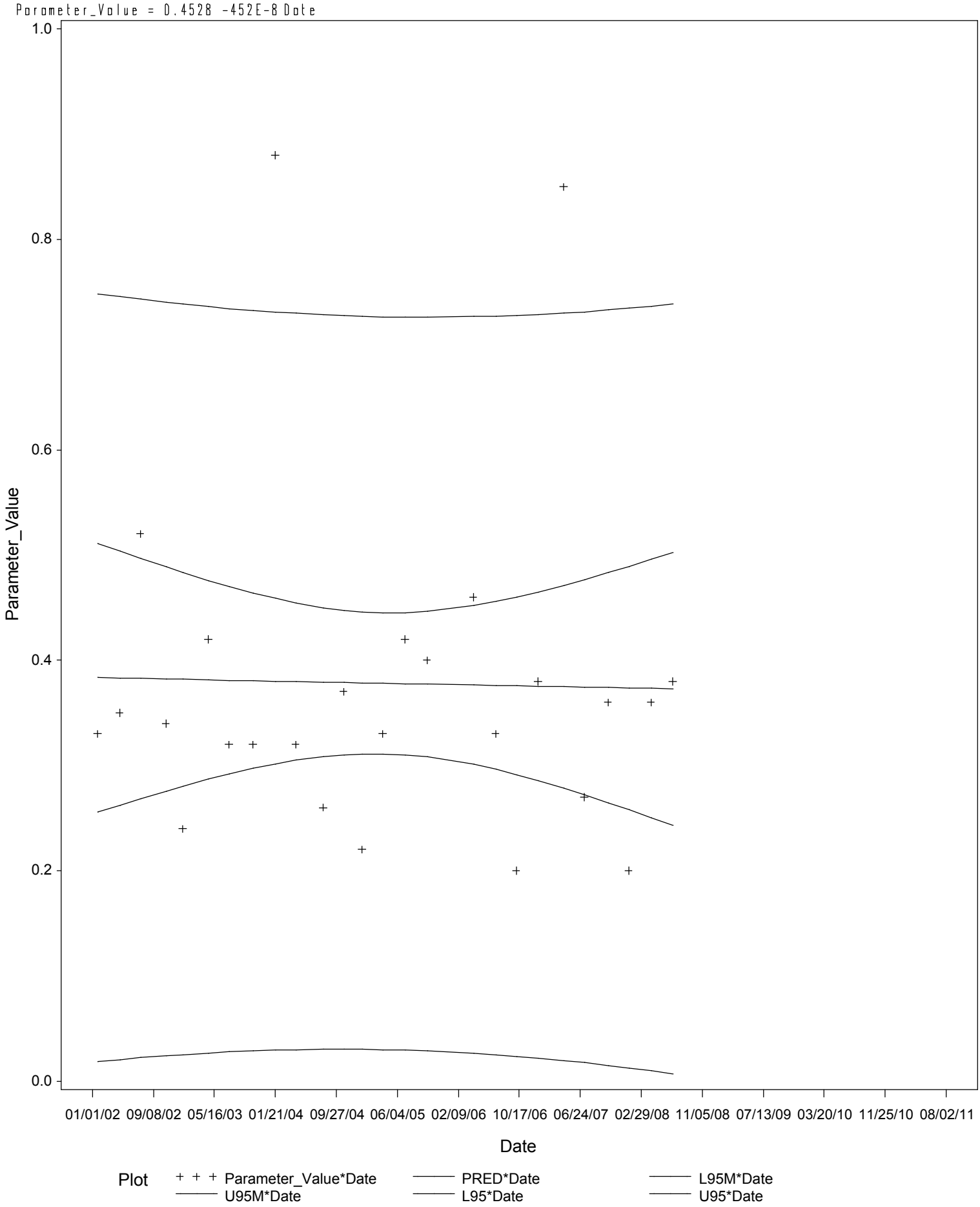
Lower Pecos River

Parameter=TKN (MG/L AS N) Station=13240



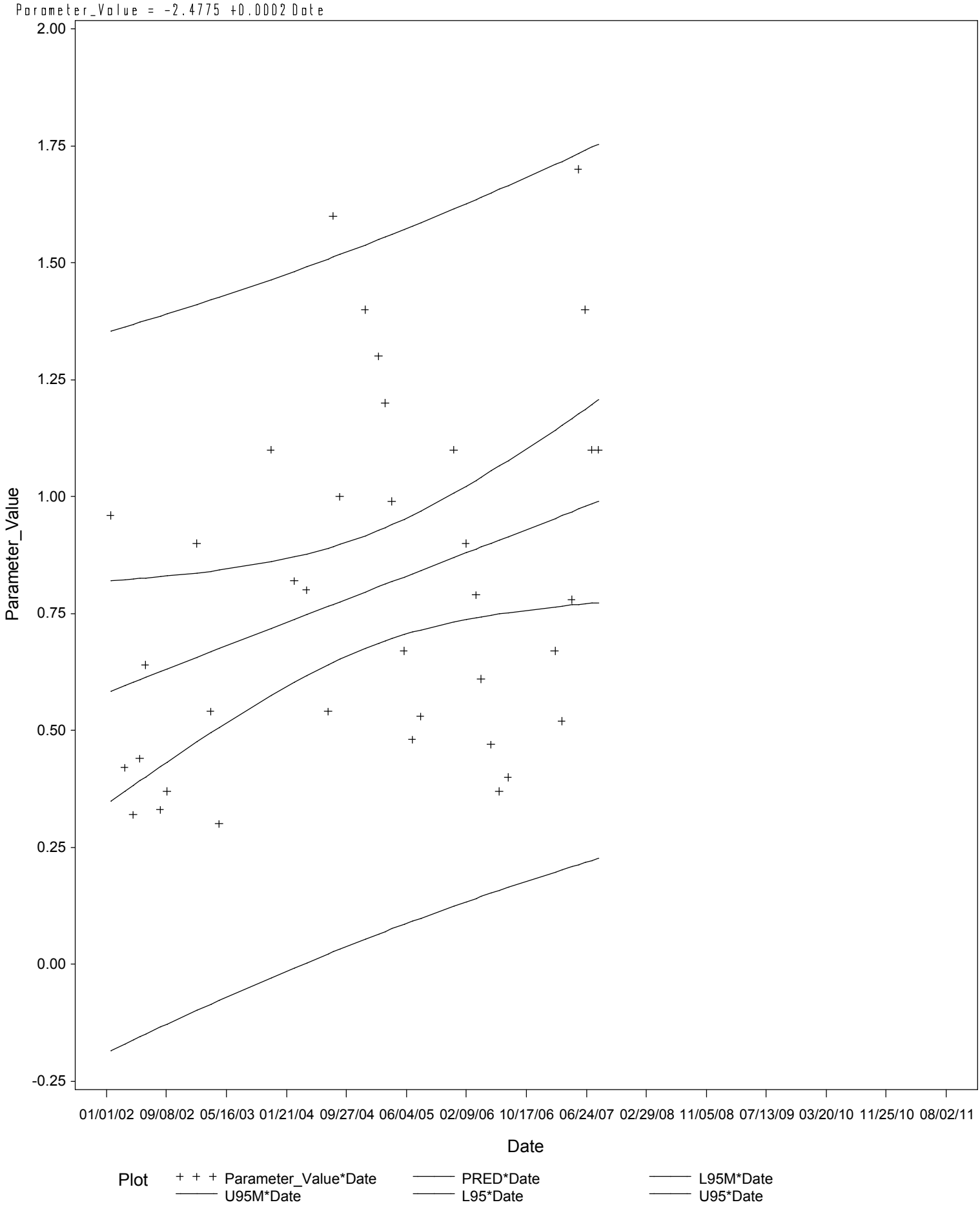
Lower Pecos River

Parameter=TKN (MG/L AS N) Station=13246



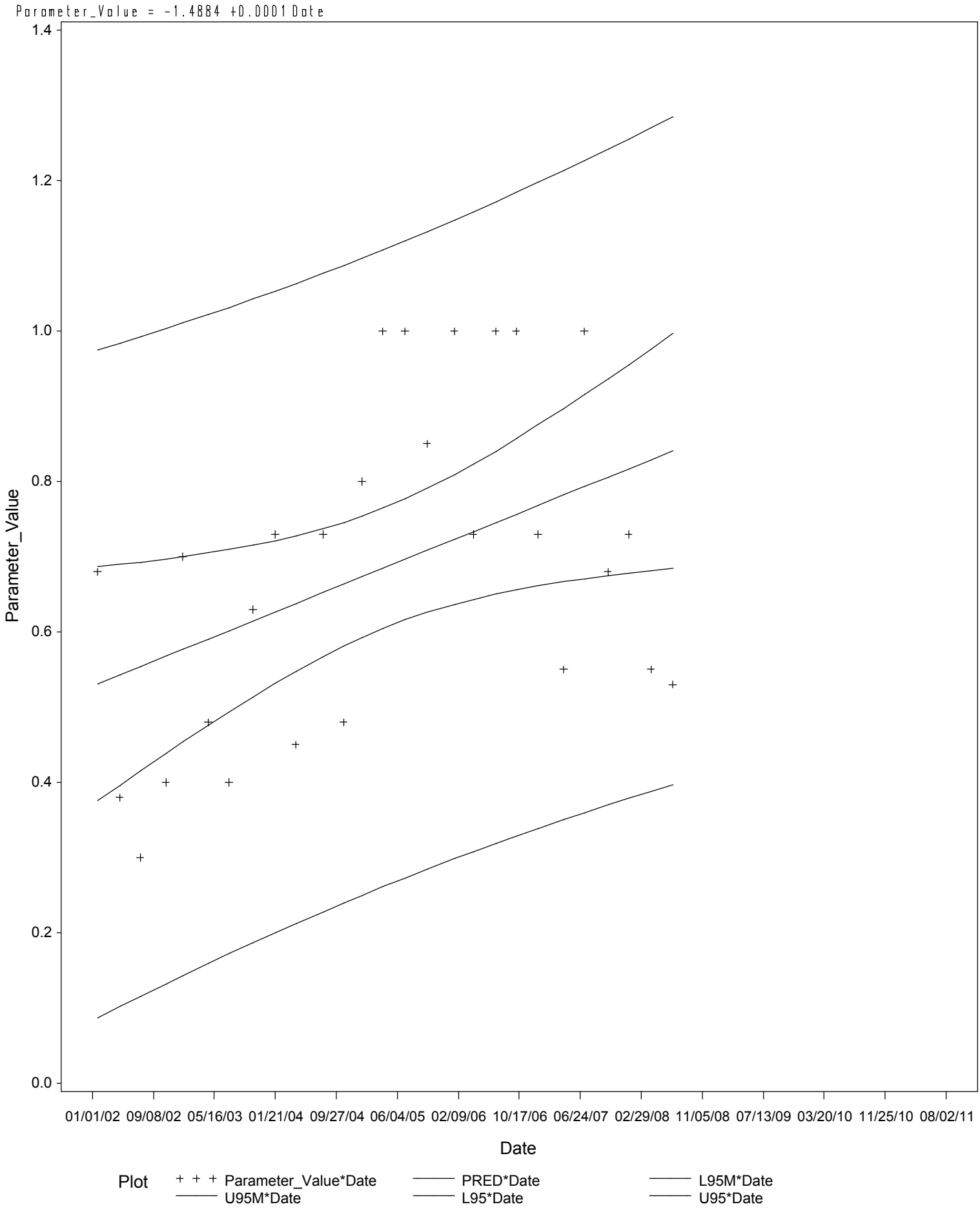
Lower Pecos River

Parameter=TOTAL NITROGEN (MG/L AS N) Station=13240

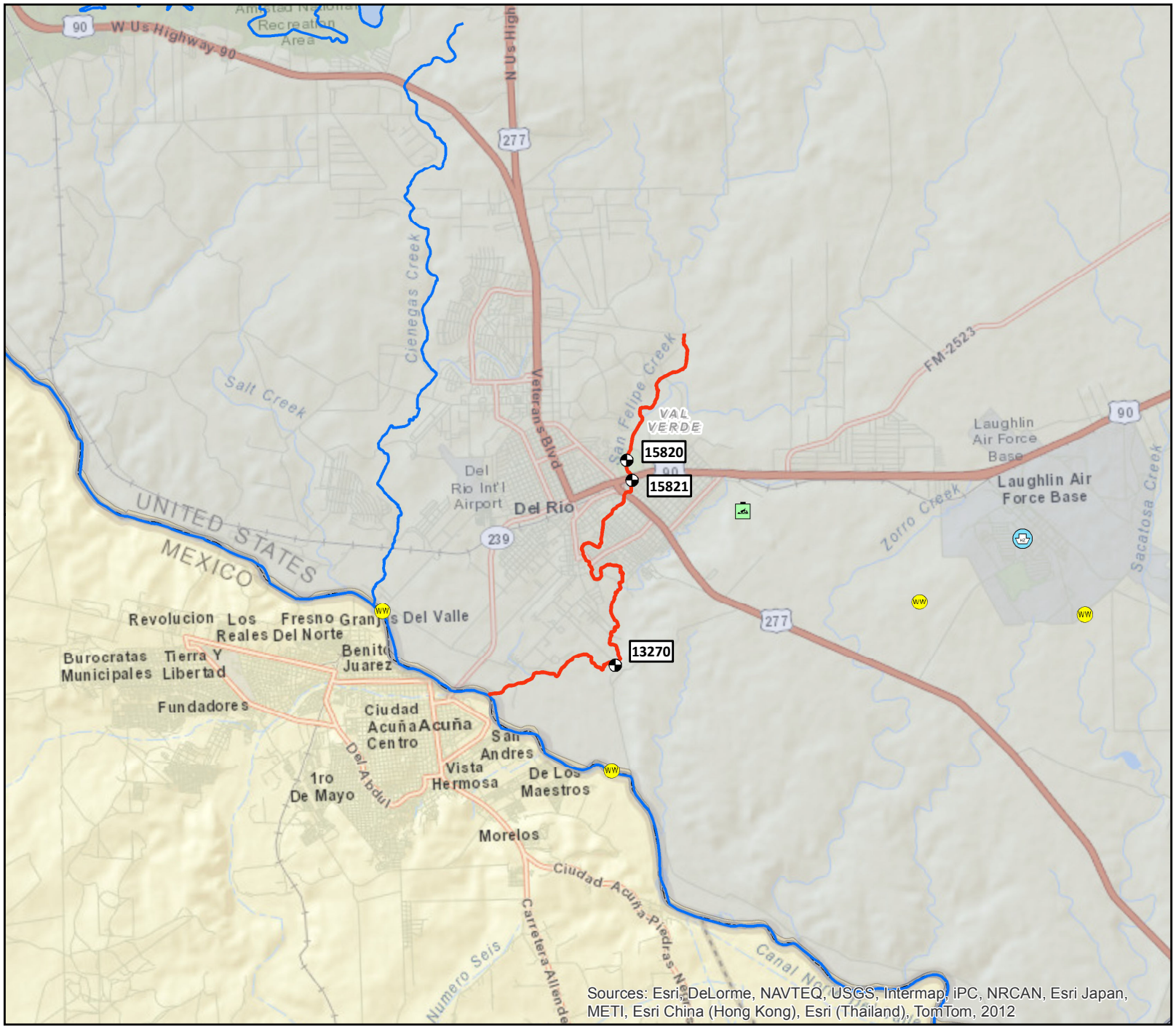


Lower Pecos River

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13246



10. Middle Rio Grande Segment 2313



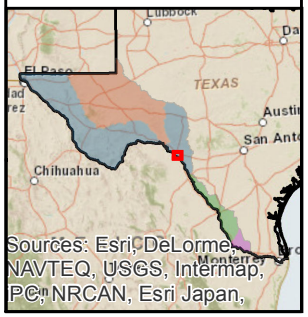
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Middle Rio Grande
Segment ID: 2313
Name: San Felipe Creek

LEGEND

- Monitoring Station (3)
- Wastewater Outfall (4)
- Hazardous Waste (1)
- Landfill (1)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



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SPRING BRANCH, TX 78070-6230
210.253.6528

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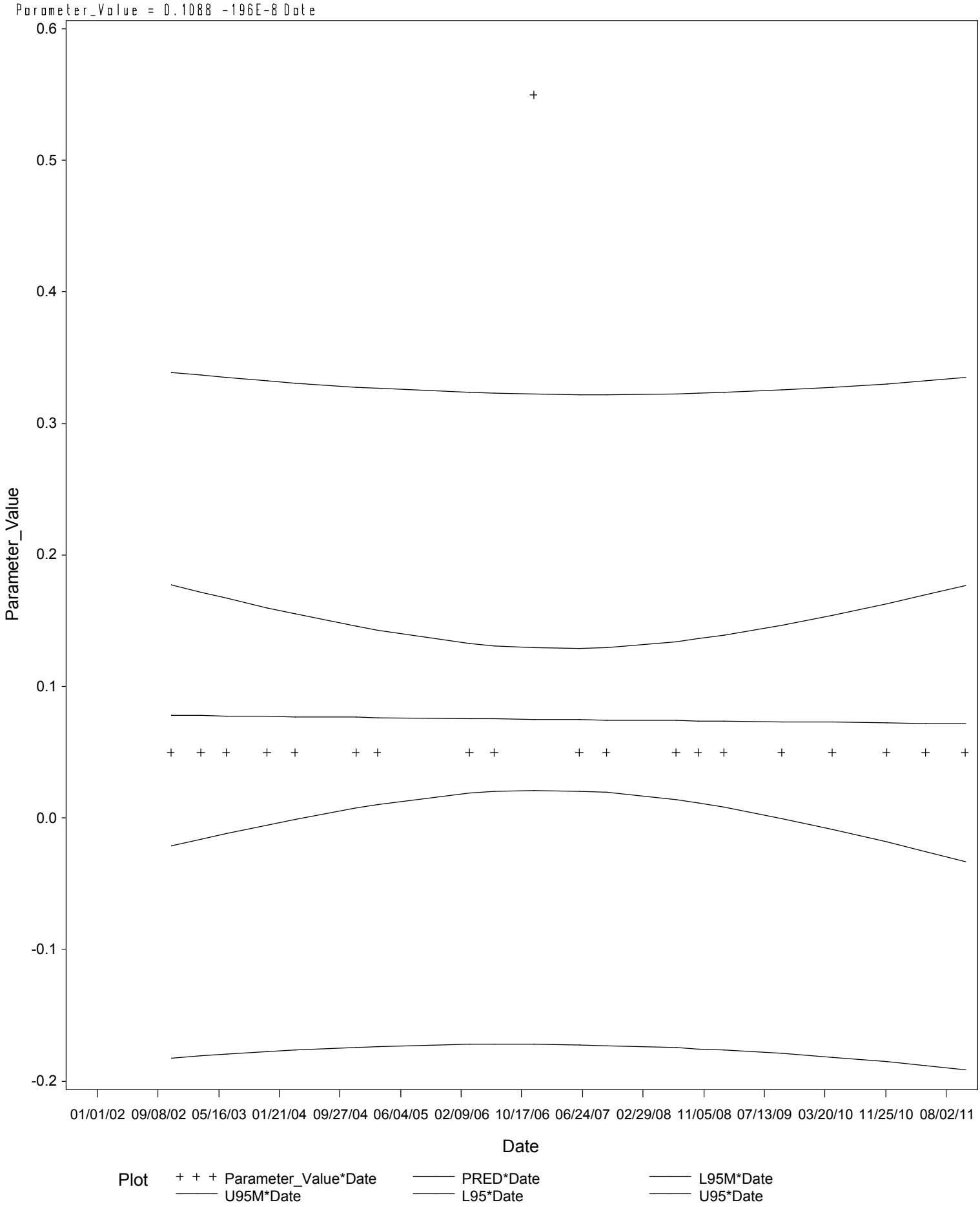
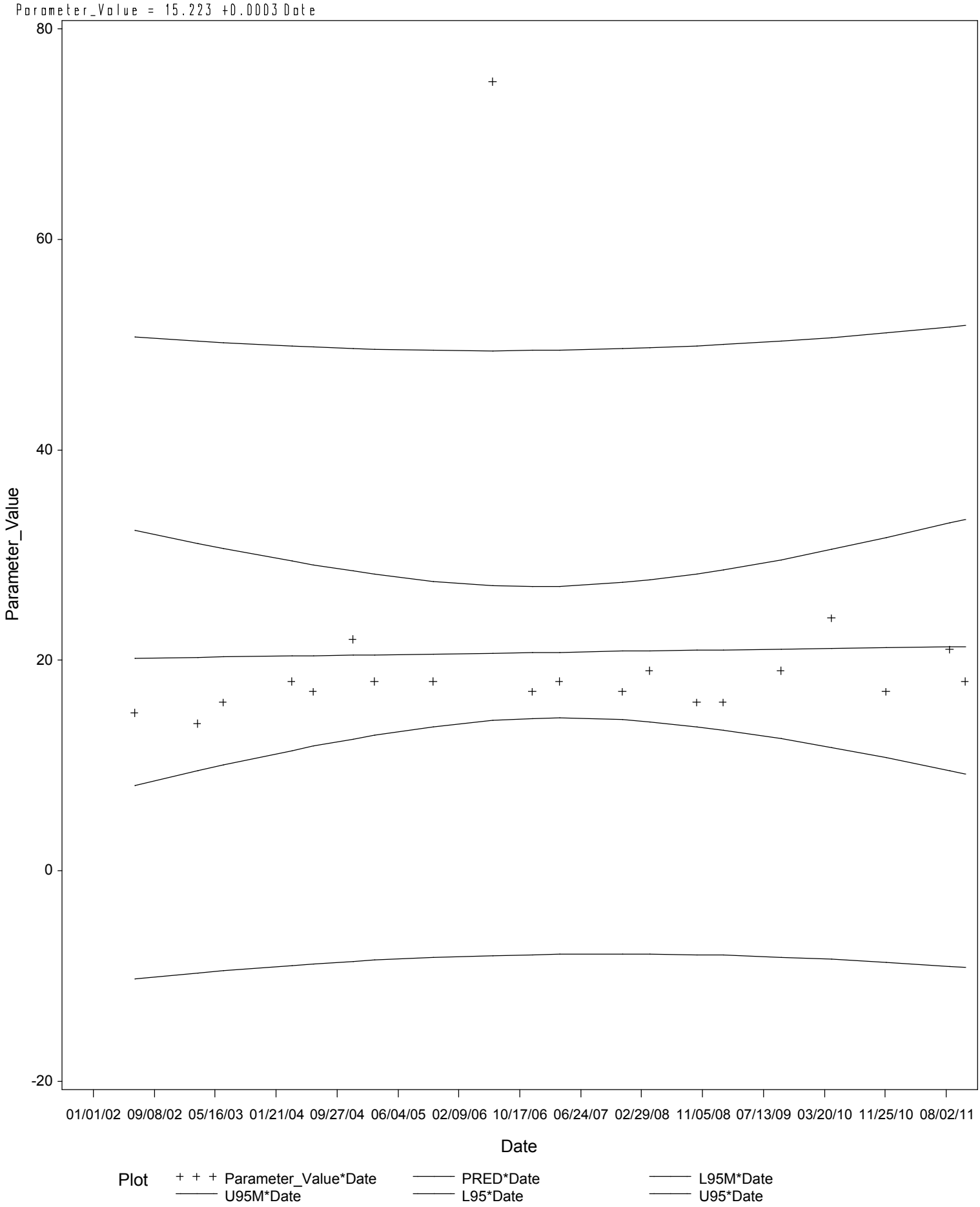
San Felipe Creek

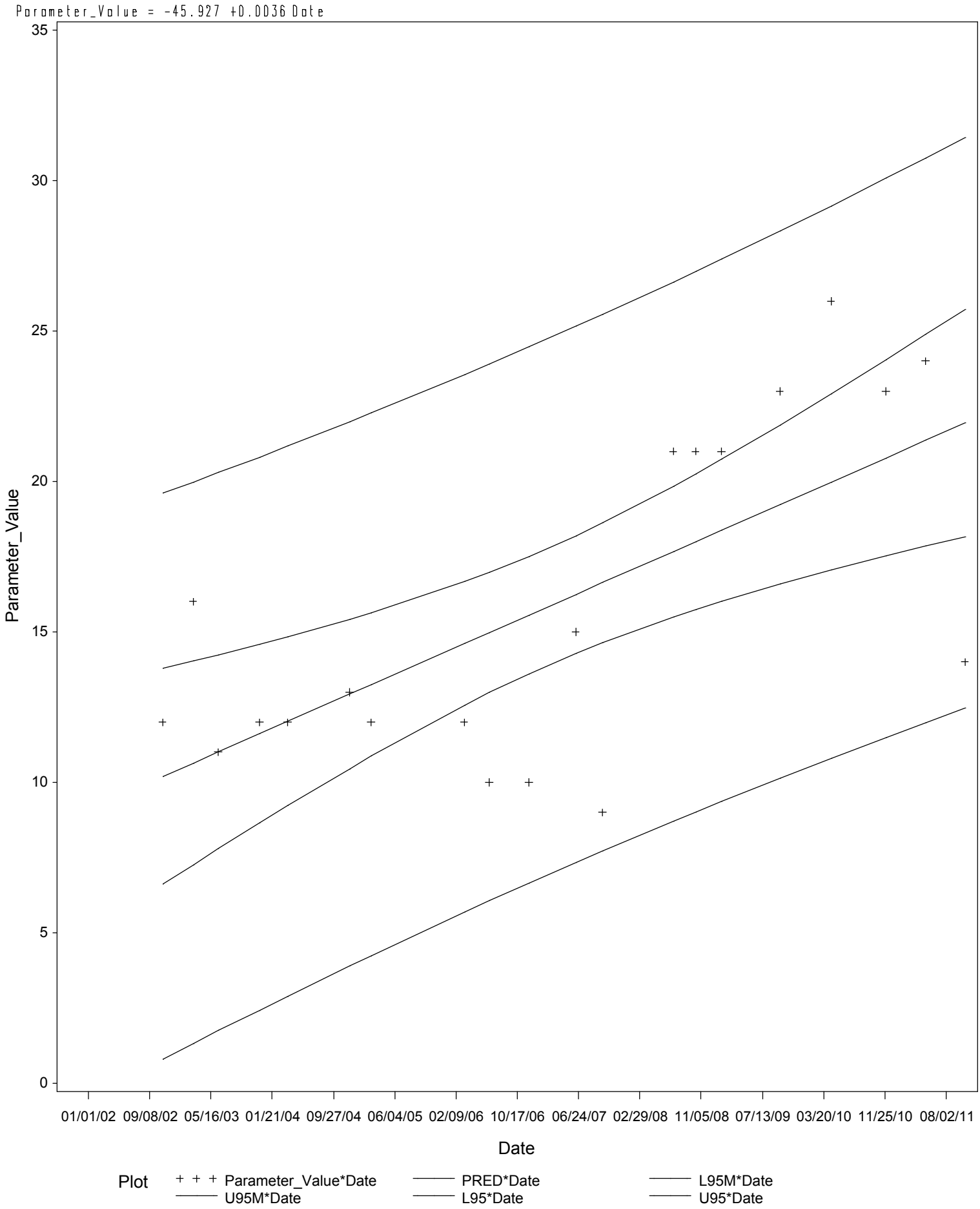
Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15821



San Felipe Creek
Parameter=CHLORIDE (MG/L AS CL) Station=13270

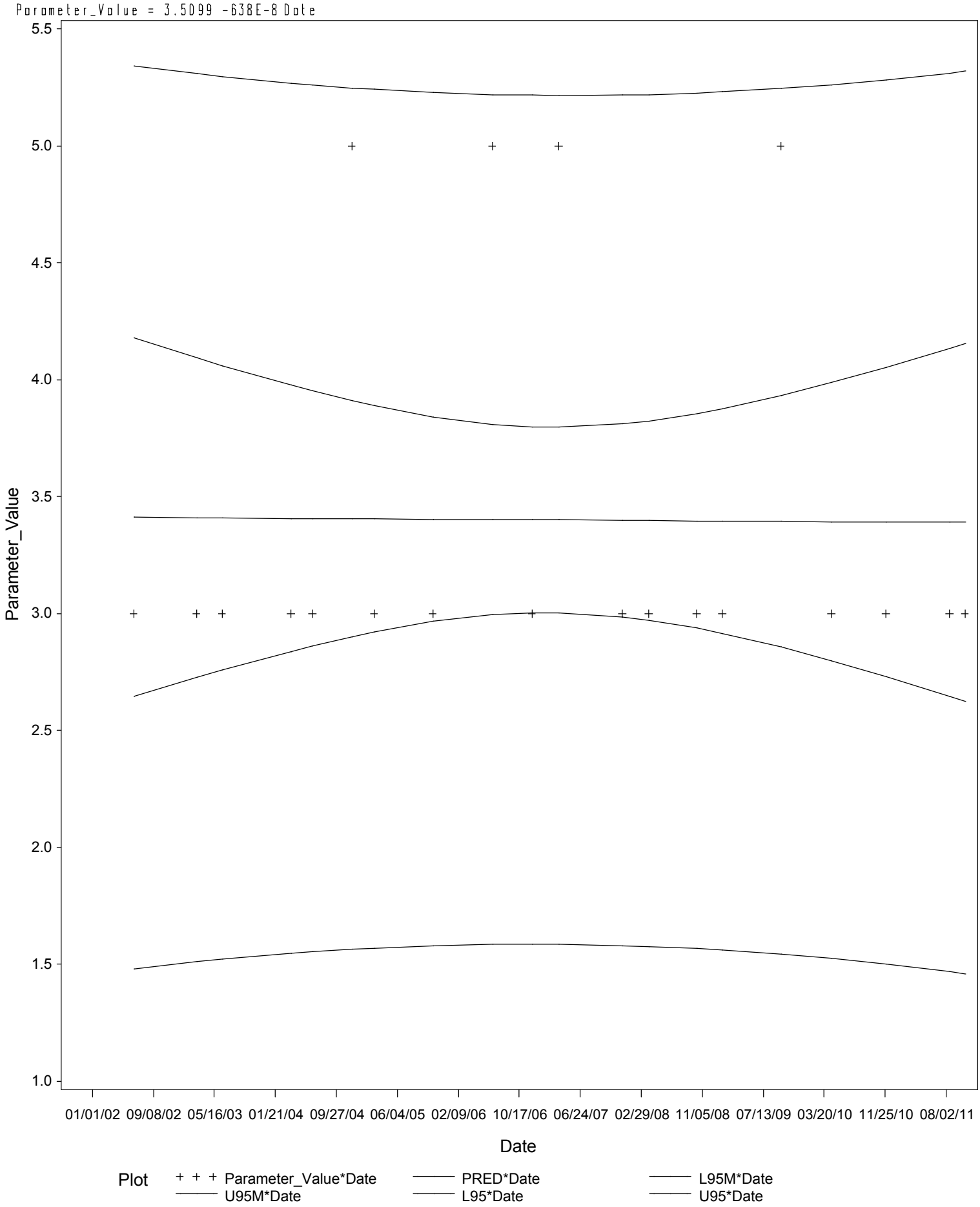


San Felipe Creek
Parameter=CHLORIDE (MG/L AS CL) Station=15821

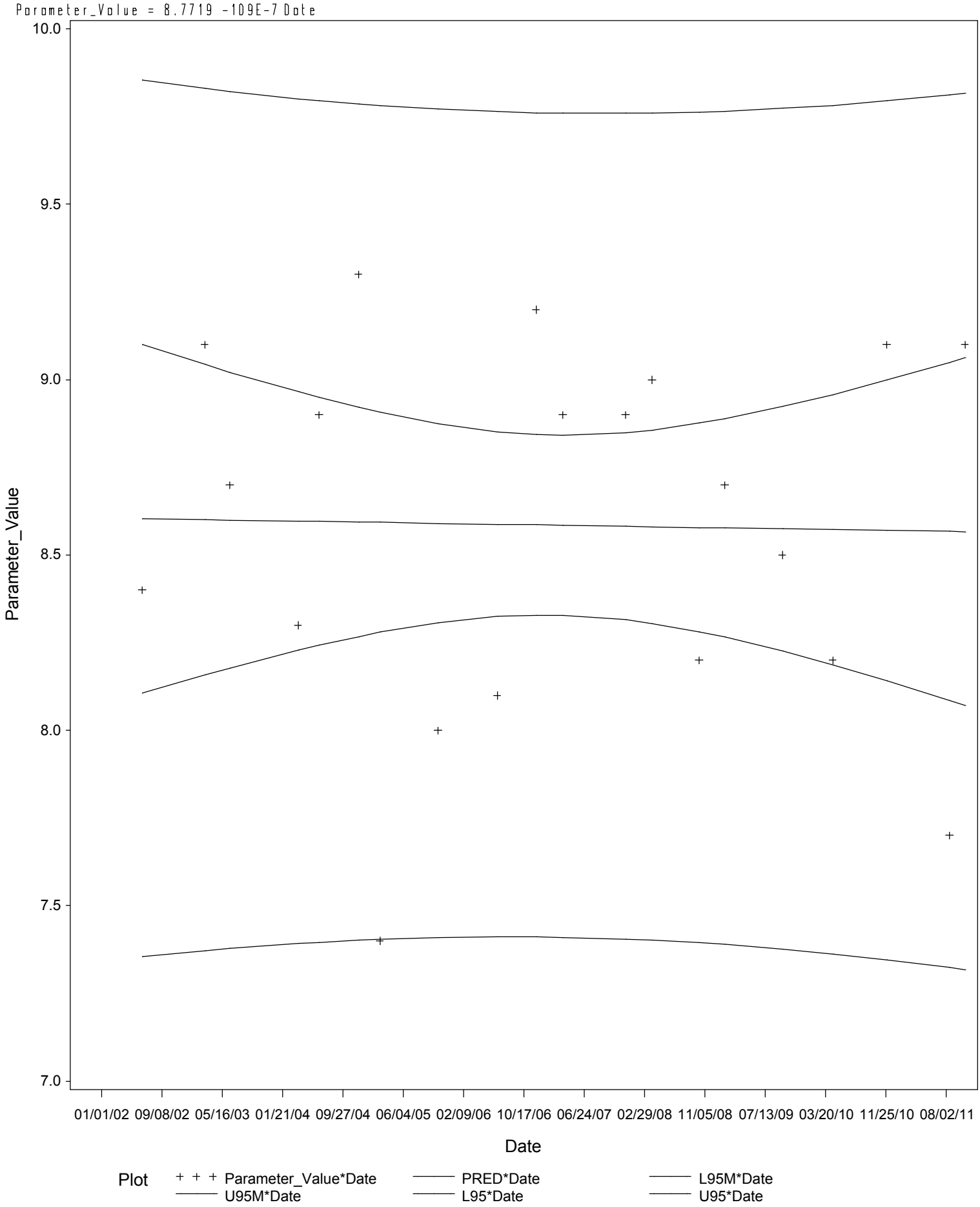


San Felipe Creek

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13270

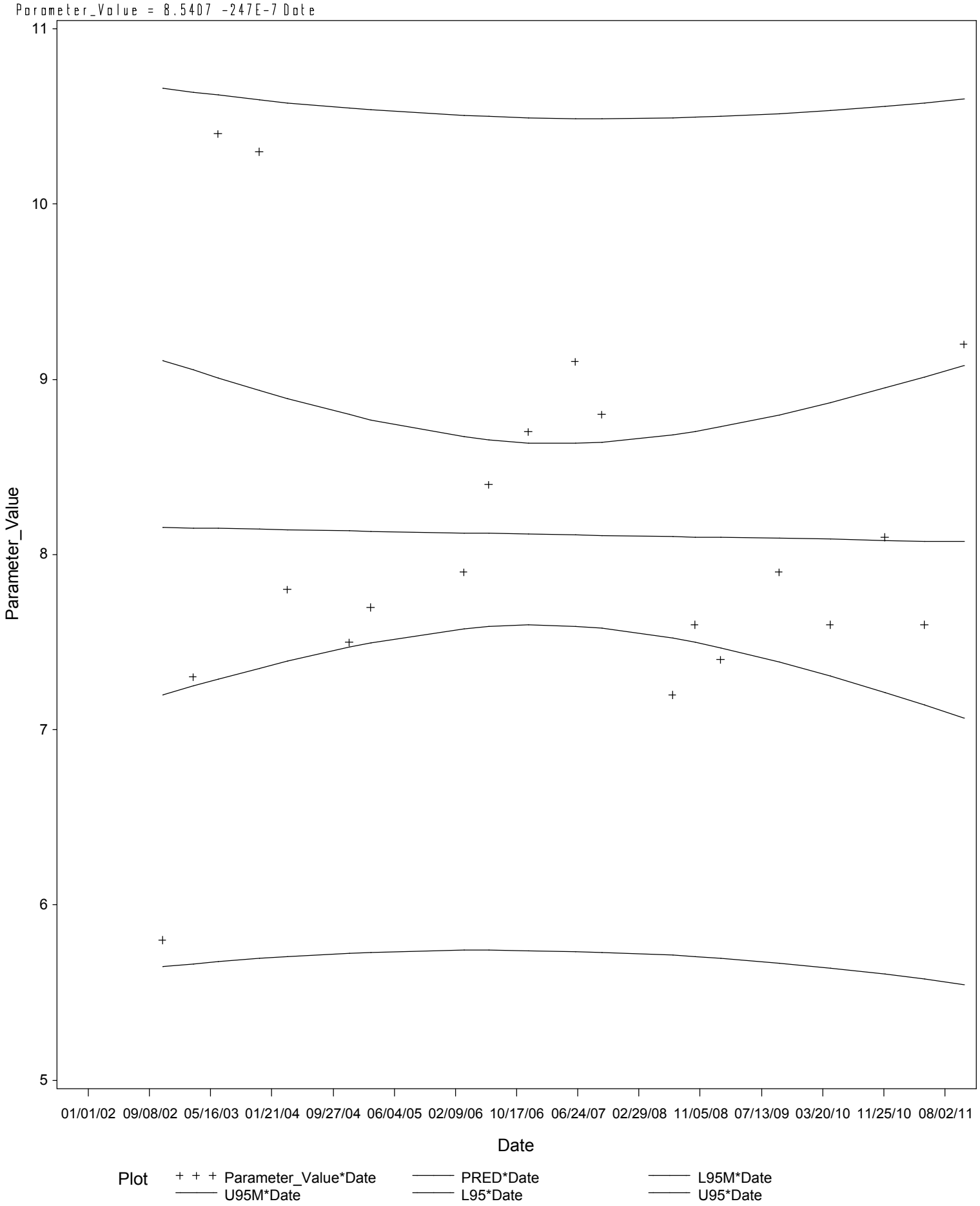


San Felipe Creek
Parameter=OXYGEN, DISSOLVED (MG/L) Station=13270



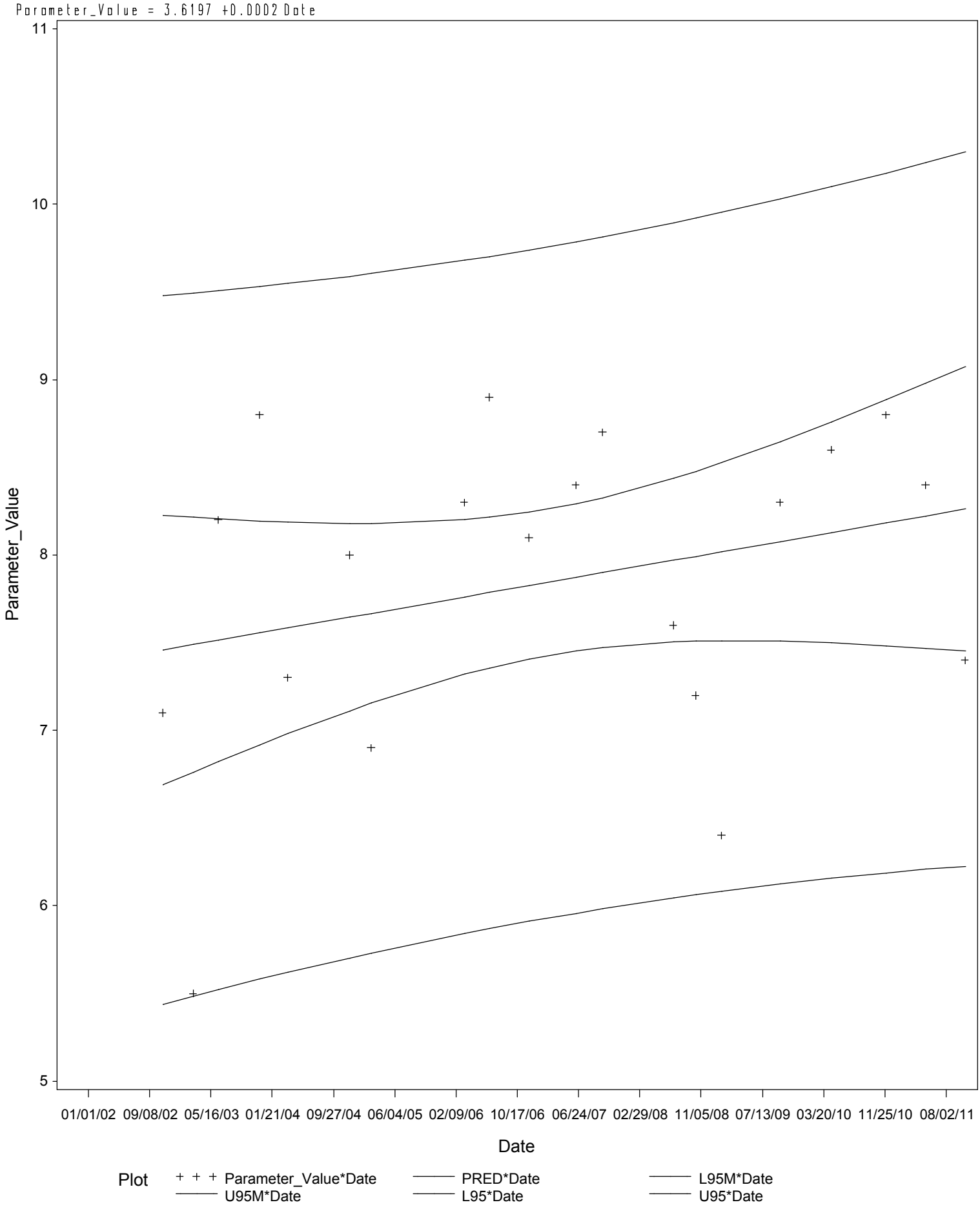
San Felipe Creek

Parameter=OXYGEN, DISSOLVED (MG/L) Station=15820

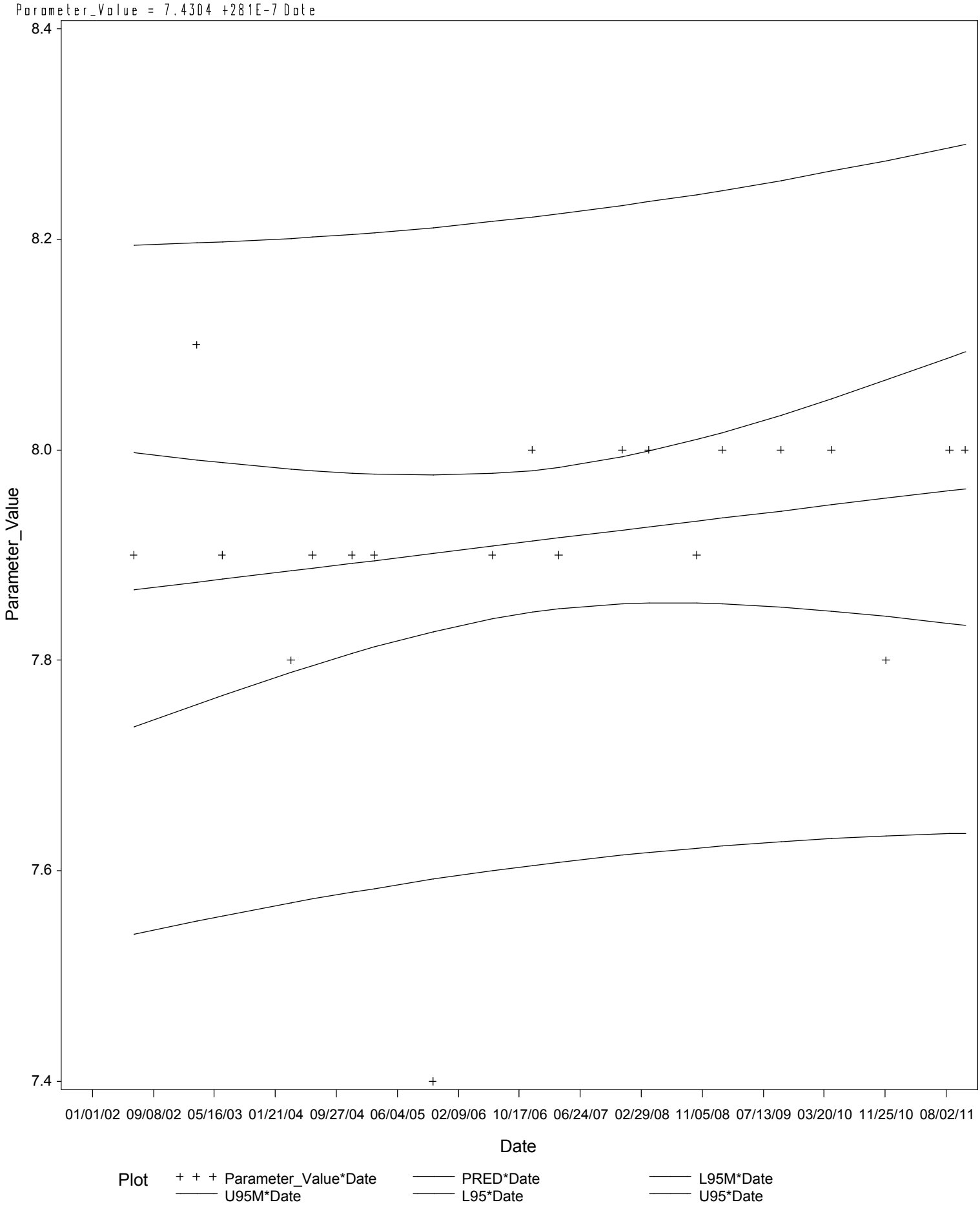


San Felipe Creek

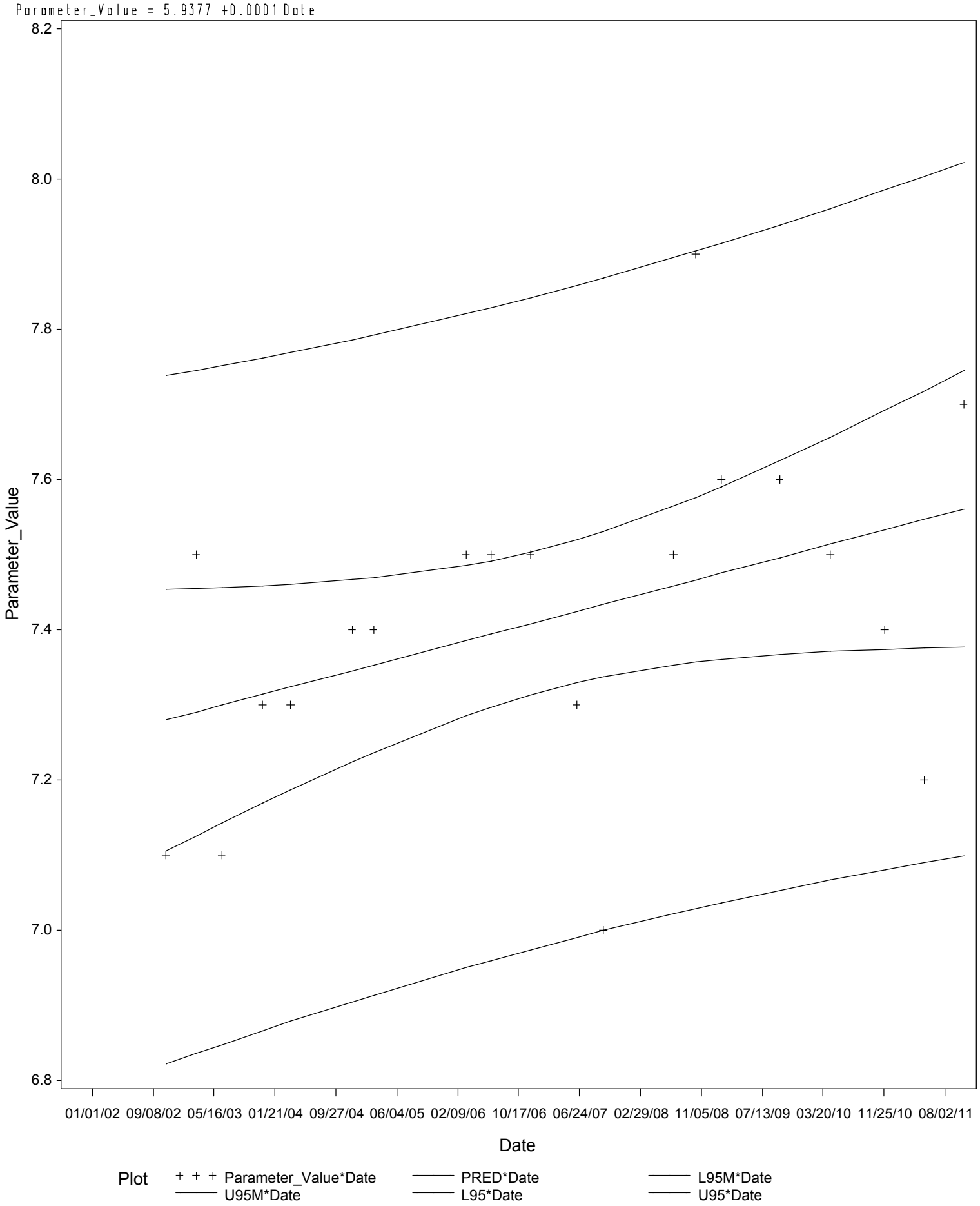
Parameter=OXYGEN, DISSOLVED (MG/L) Station=15821



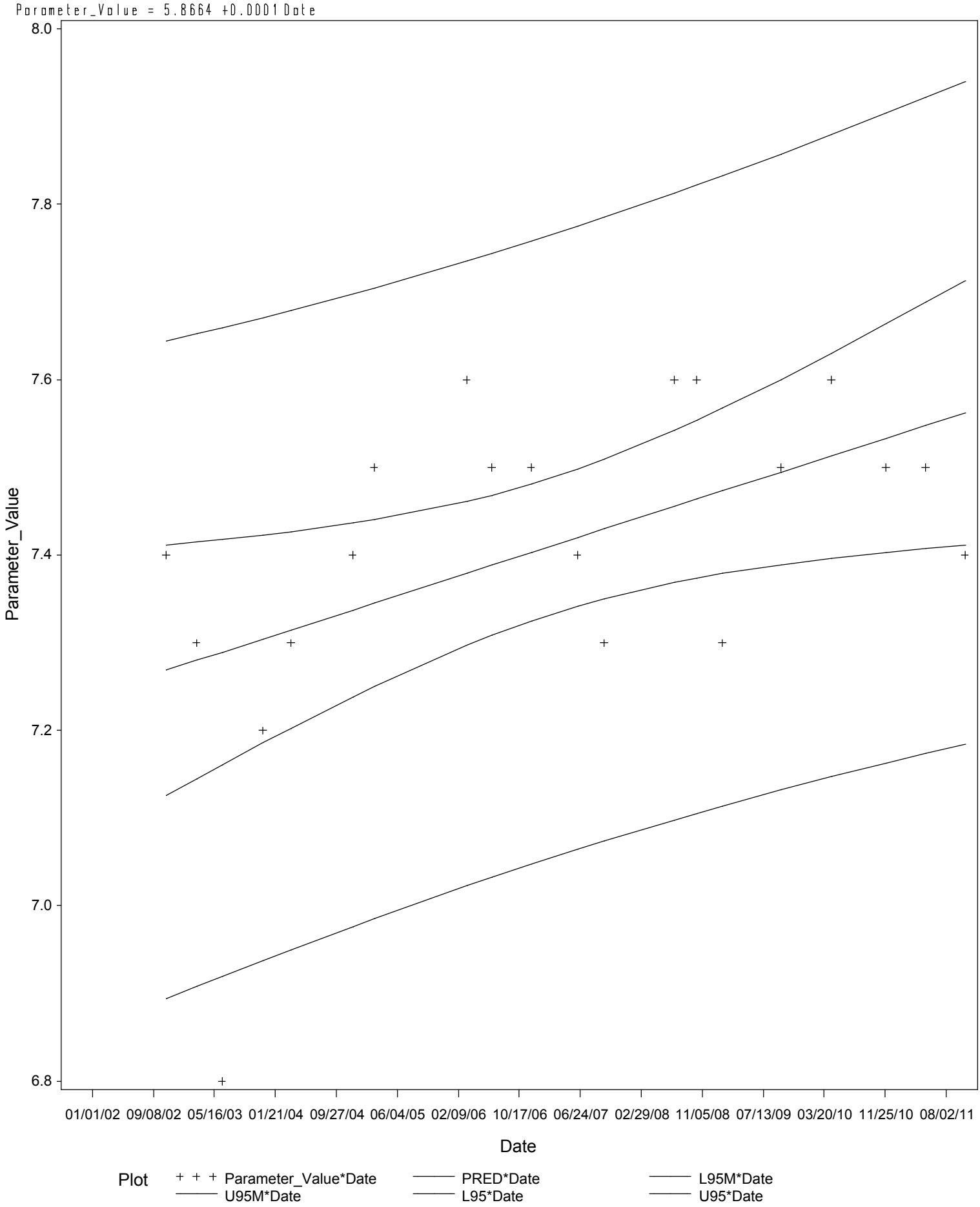
San Felipe Creek
Parameter=PH (STANDARD UNITS) Station=13270



San Felipe Creek
Parameter=PH (STANDARD UNITS) Station=15820

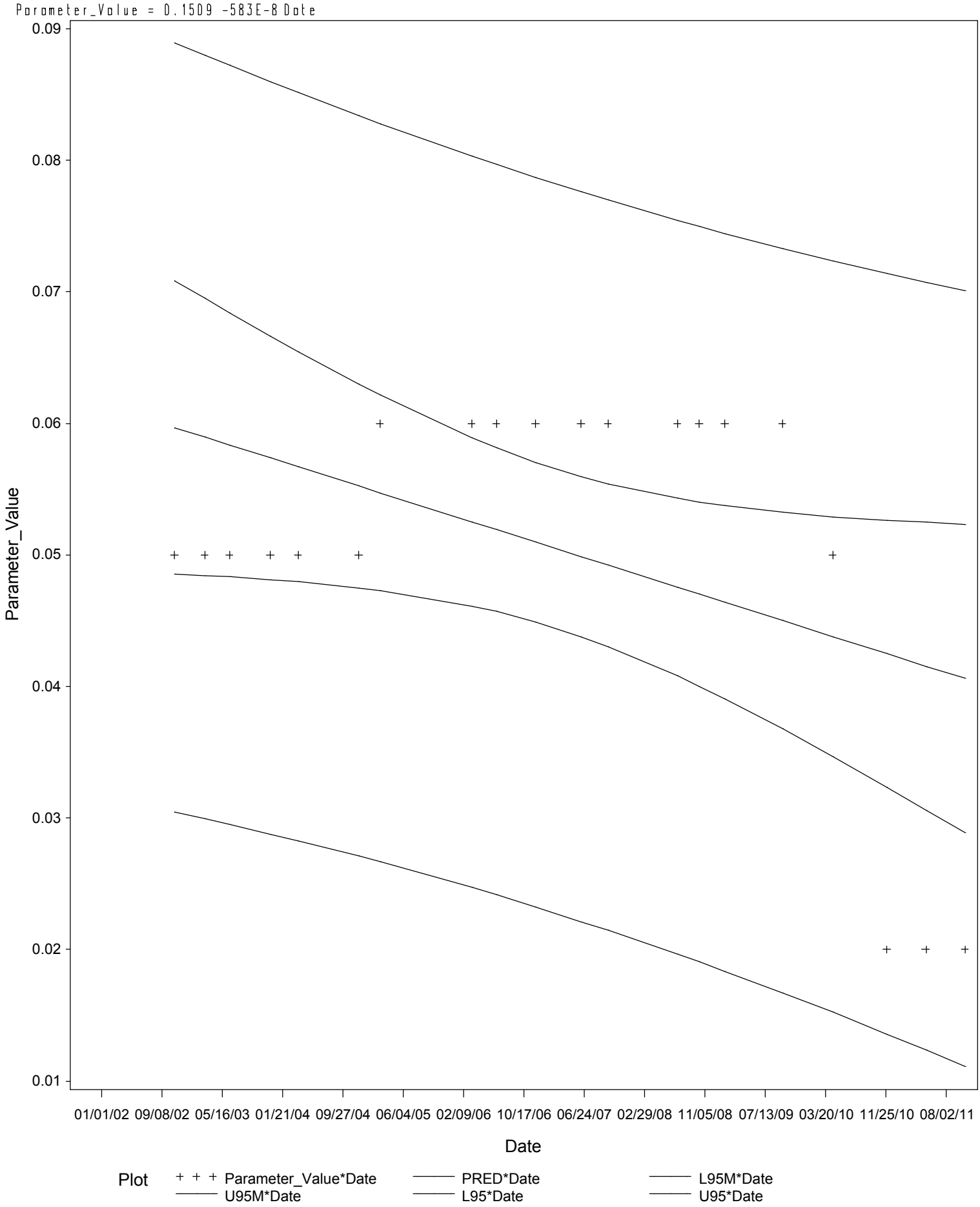


San Felipe Creek
Parameter=PH (STANDARD UNITS) Station=15821



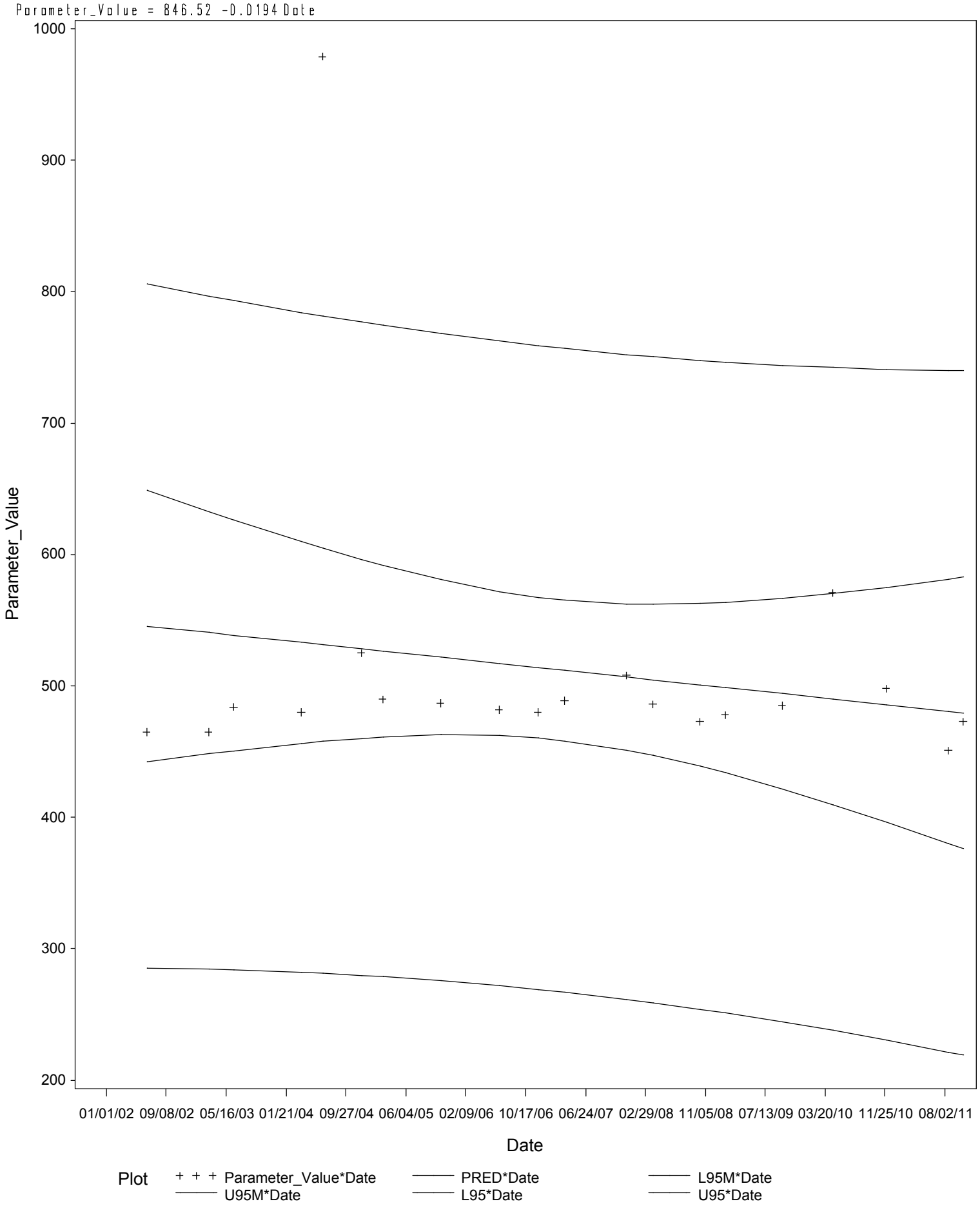
San Felipe Creek

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=15821



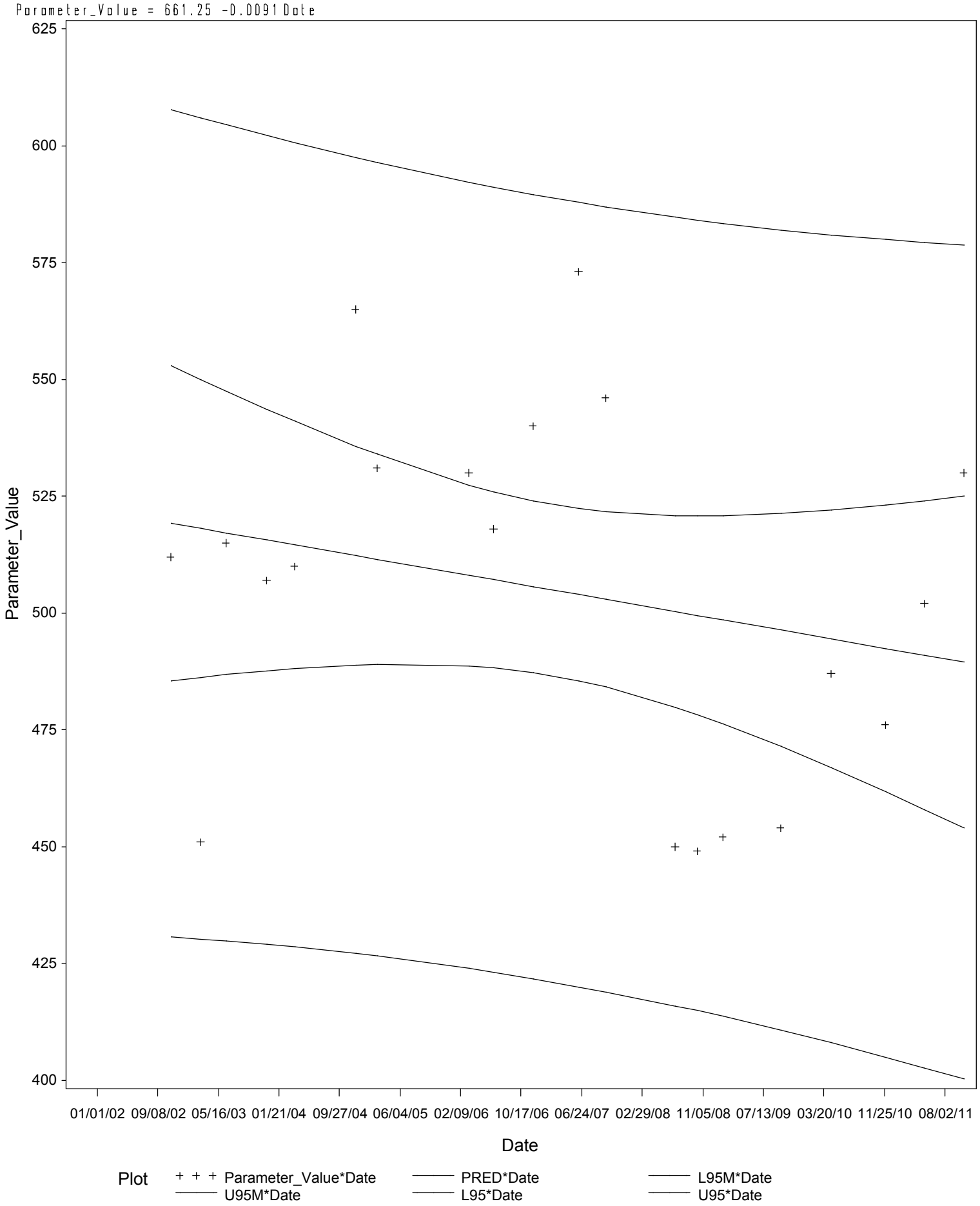
San Felipe Creek

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13270



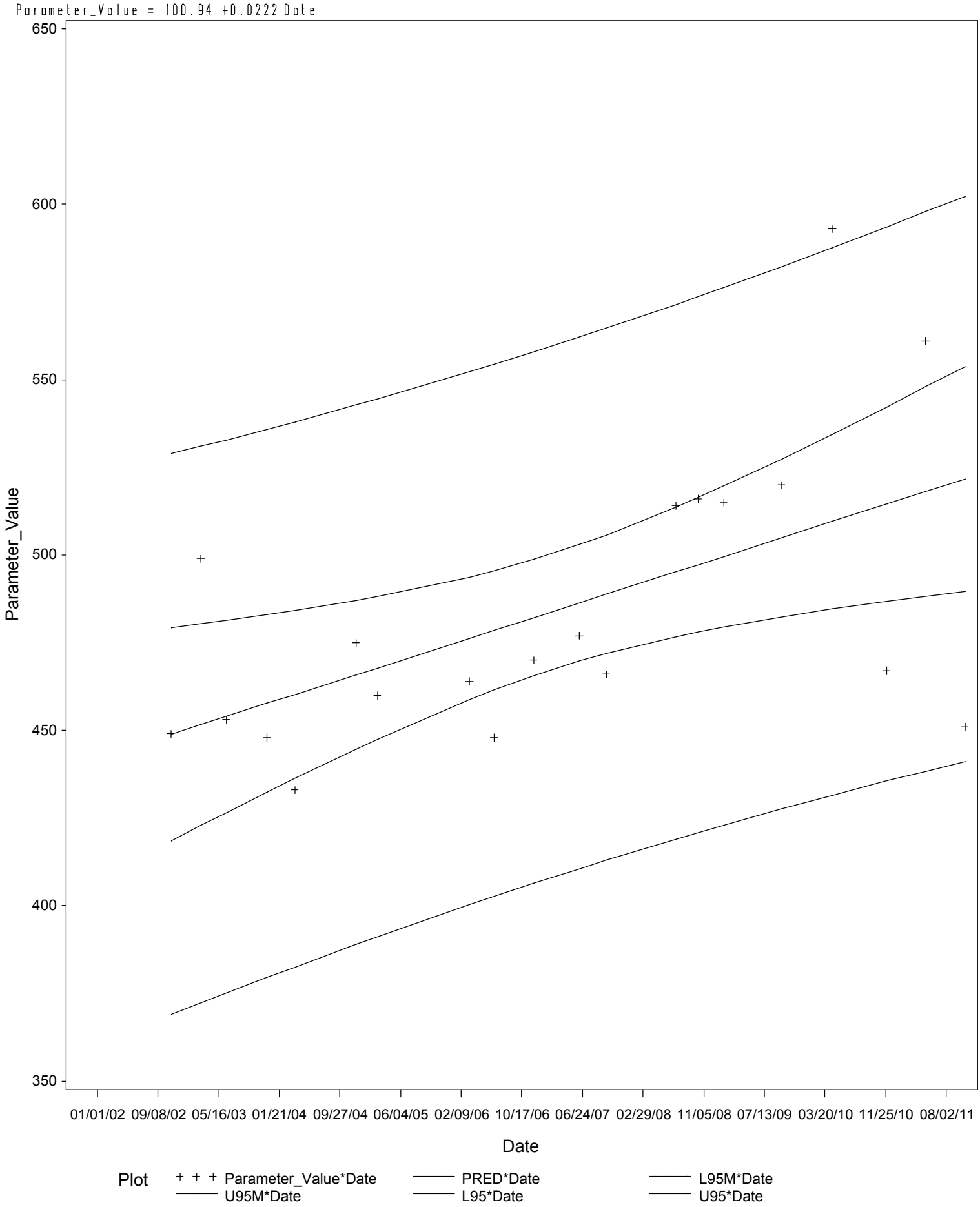
San Felipe Creek

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15820

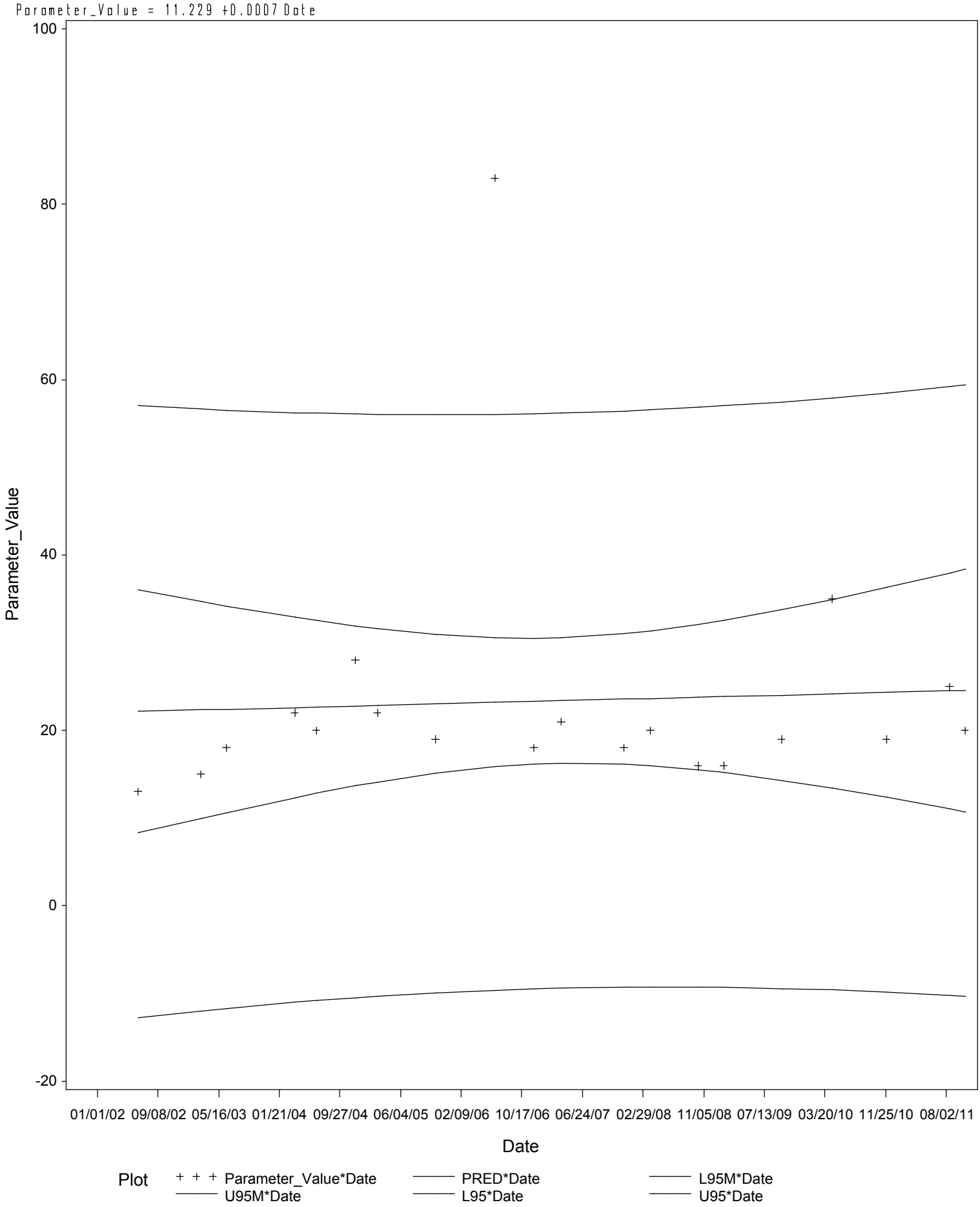


San Felipe Creek

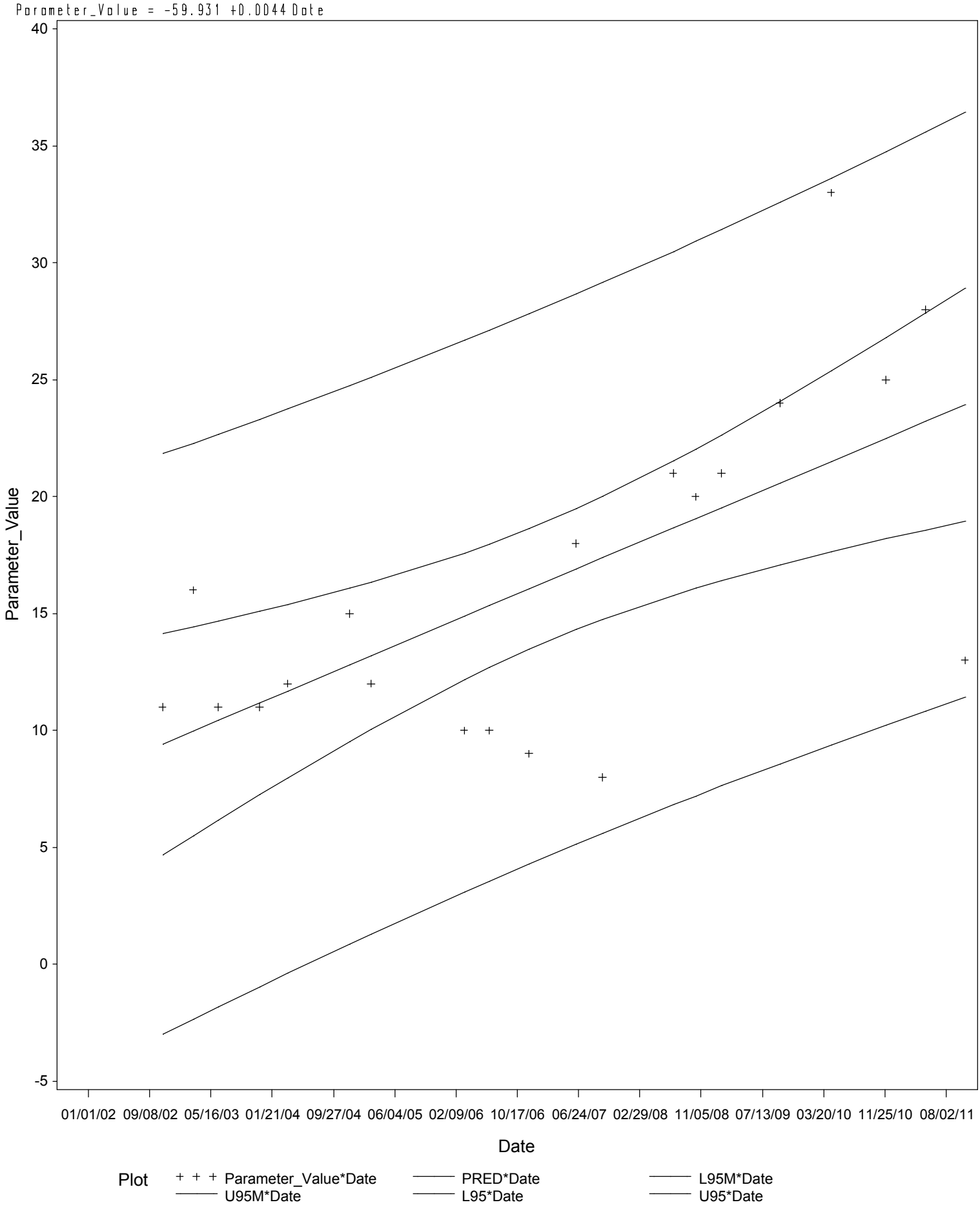
Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15821



San Felipe Creek
Parameter=SULFATE (MG/L AS SO4) Station=13270

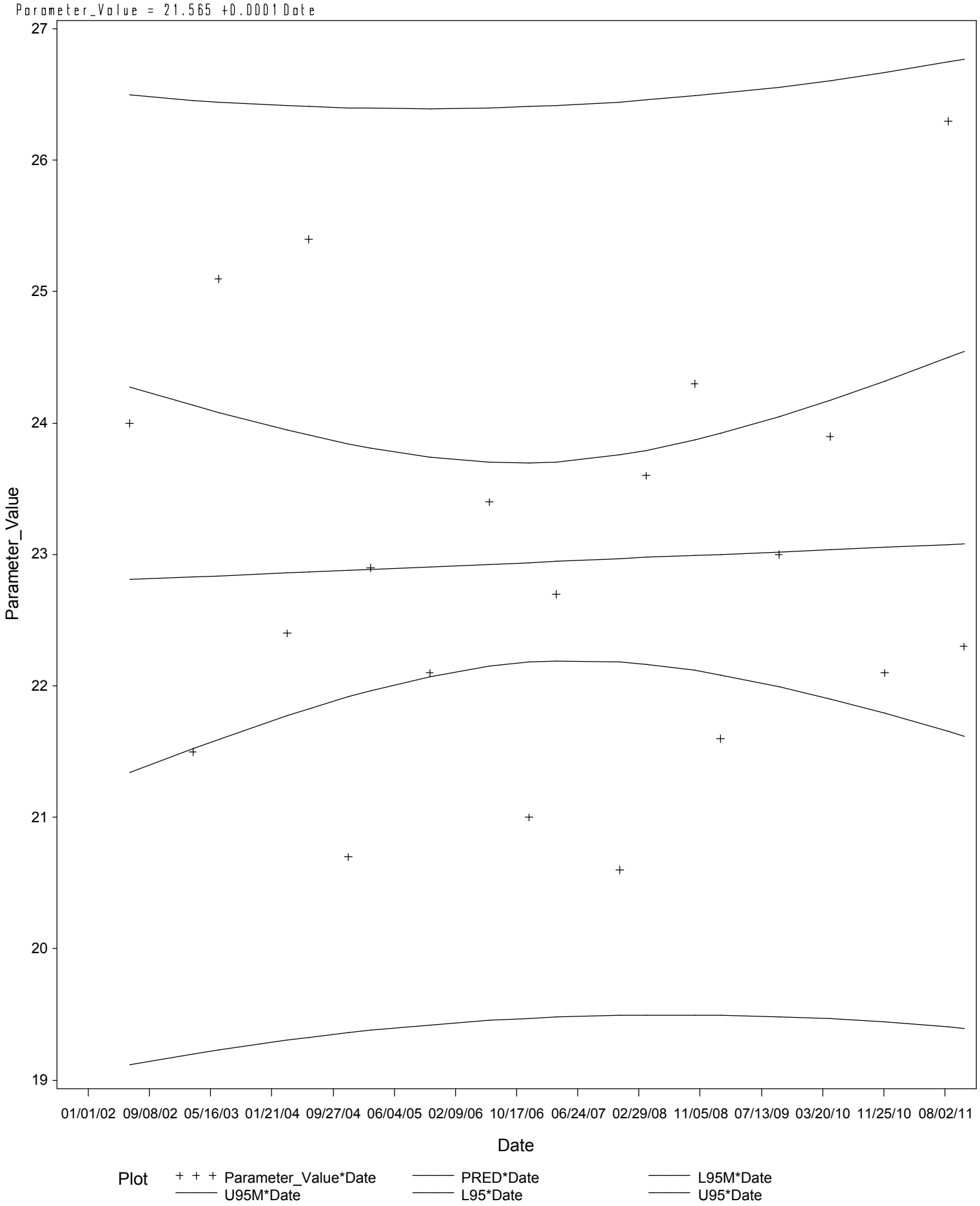


San Felipe Creek
Parameter=SULFATE (MG/L AS SO4) Station=15821



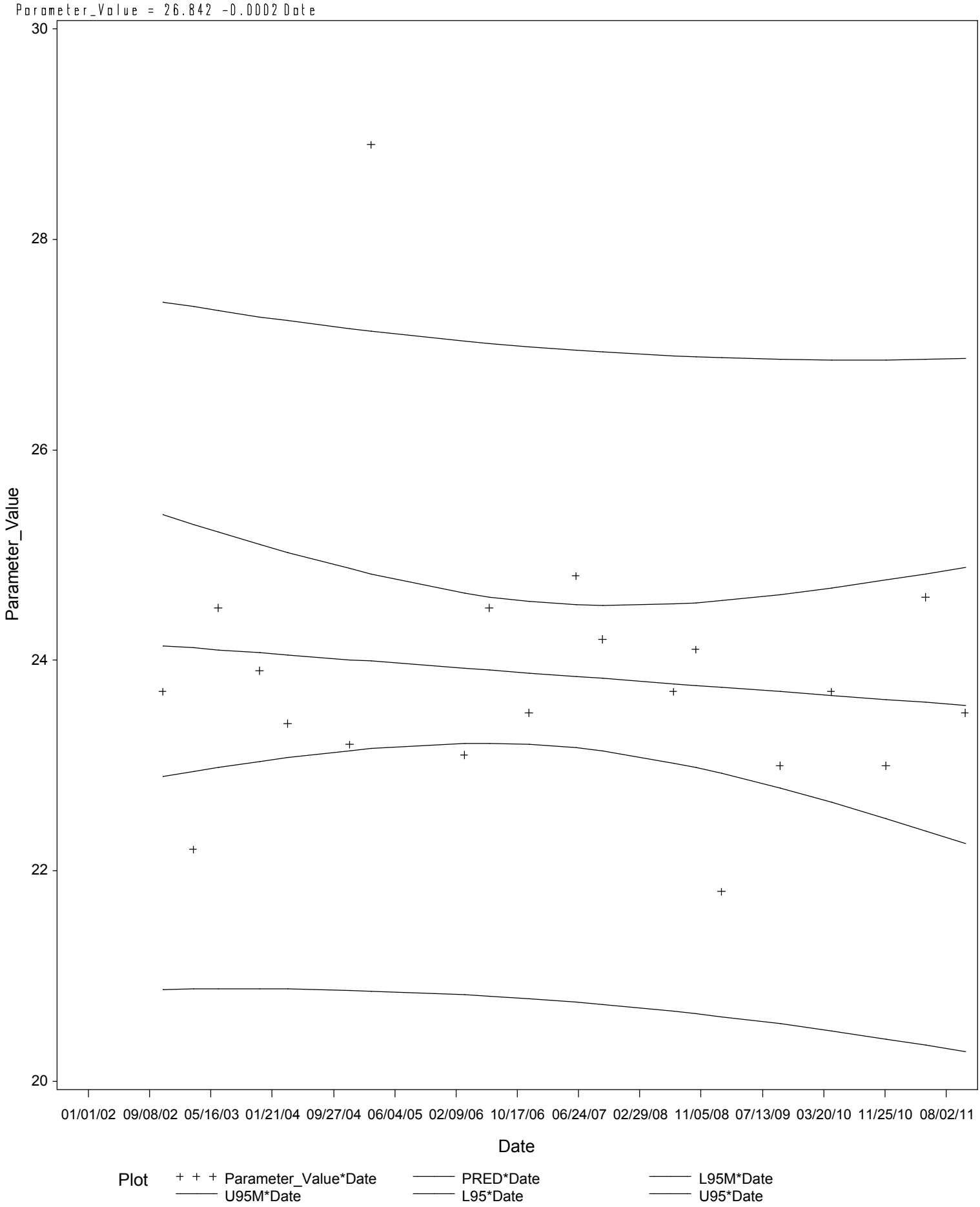
San Felipe Creek

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13270



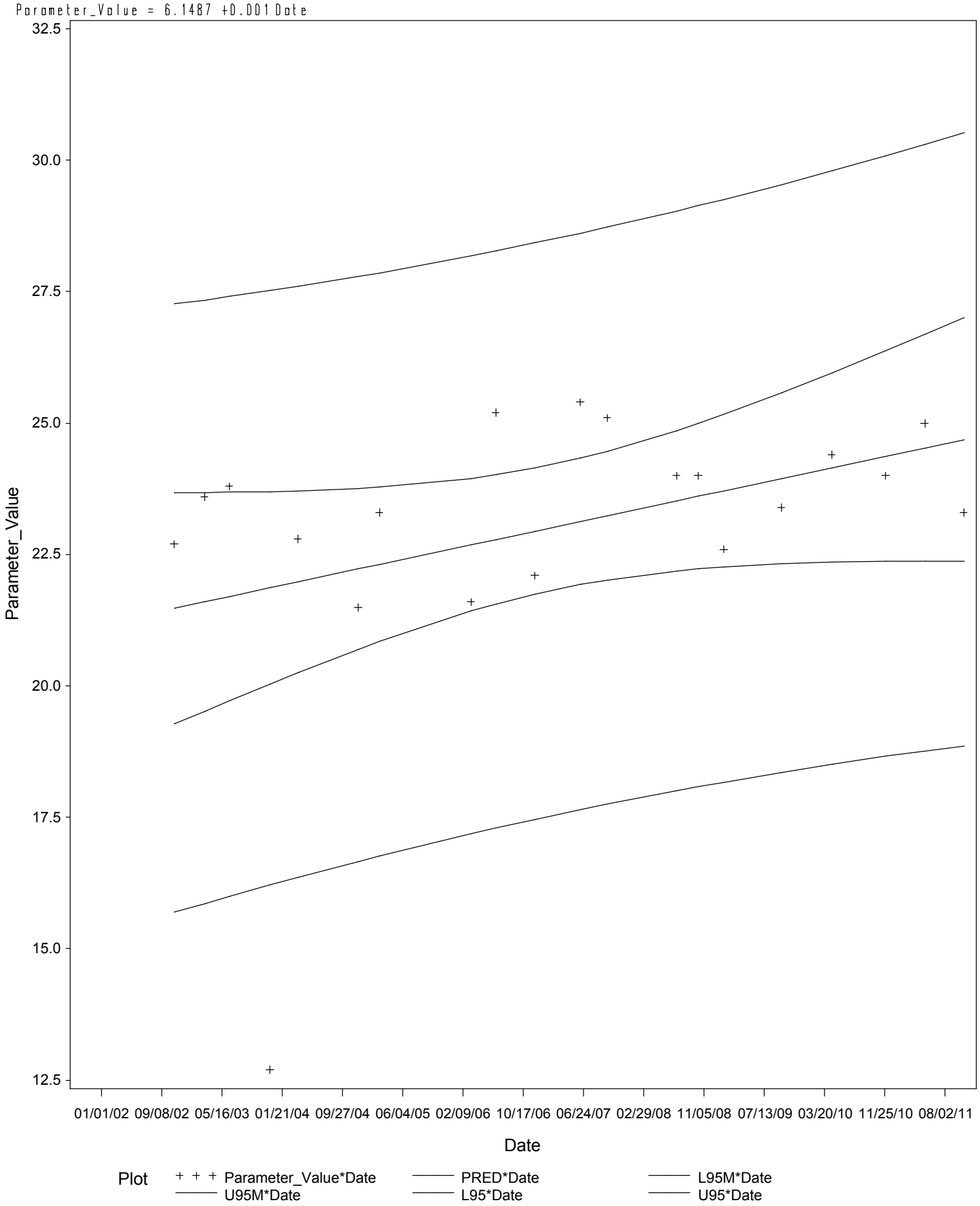
San Felipe Creek

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15820



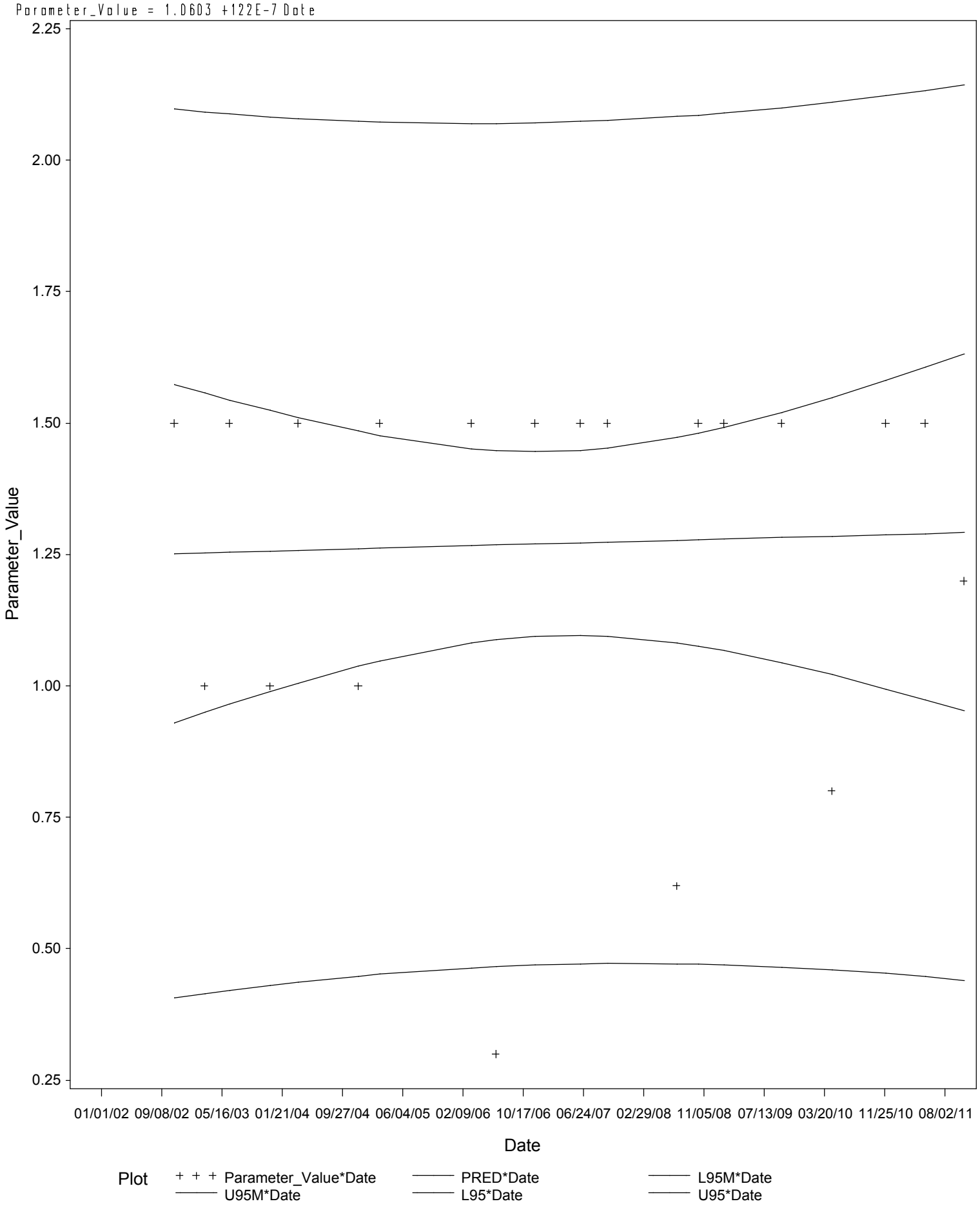
San Felipe Creek

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15821

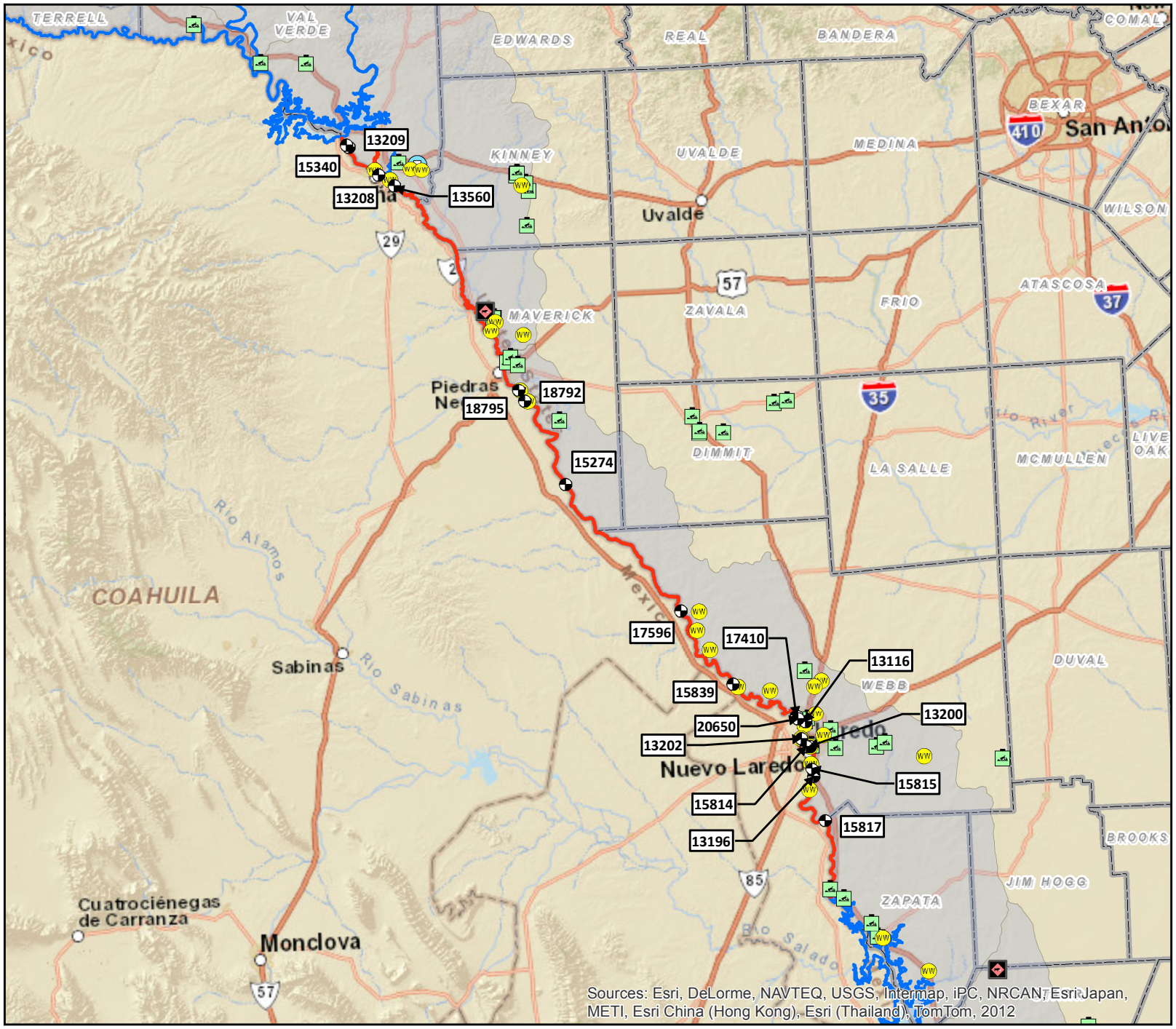


San Felipe Creek

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=15820



11. Middle Rio Grande Segment 2304



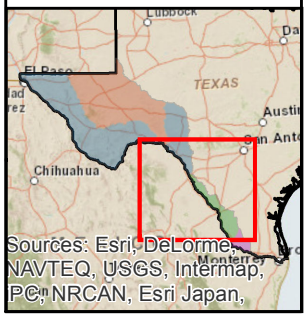
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Middle Rio Grande
Segment ID: 2304, 2304A, 2304B
Name: Rio Grande Below Amistad Reservoir

LEGEND

- Monitoring Station (18)
- Wastewater Outfall (27)
- Hazardous Waste (1)
- Concentrated Animal Feedlot Operations (2)
- Landfill (38)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



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SPRING BRANCH, TX 78070-6230
210.253.6528

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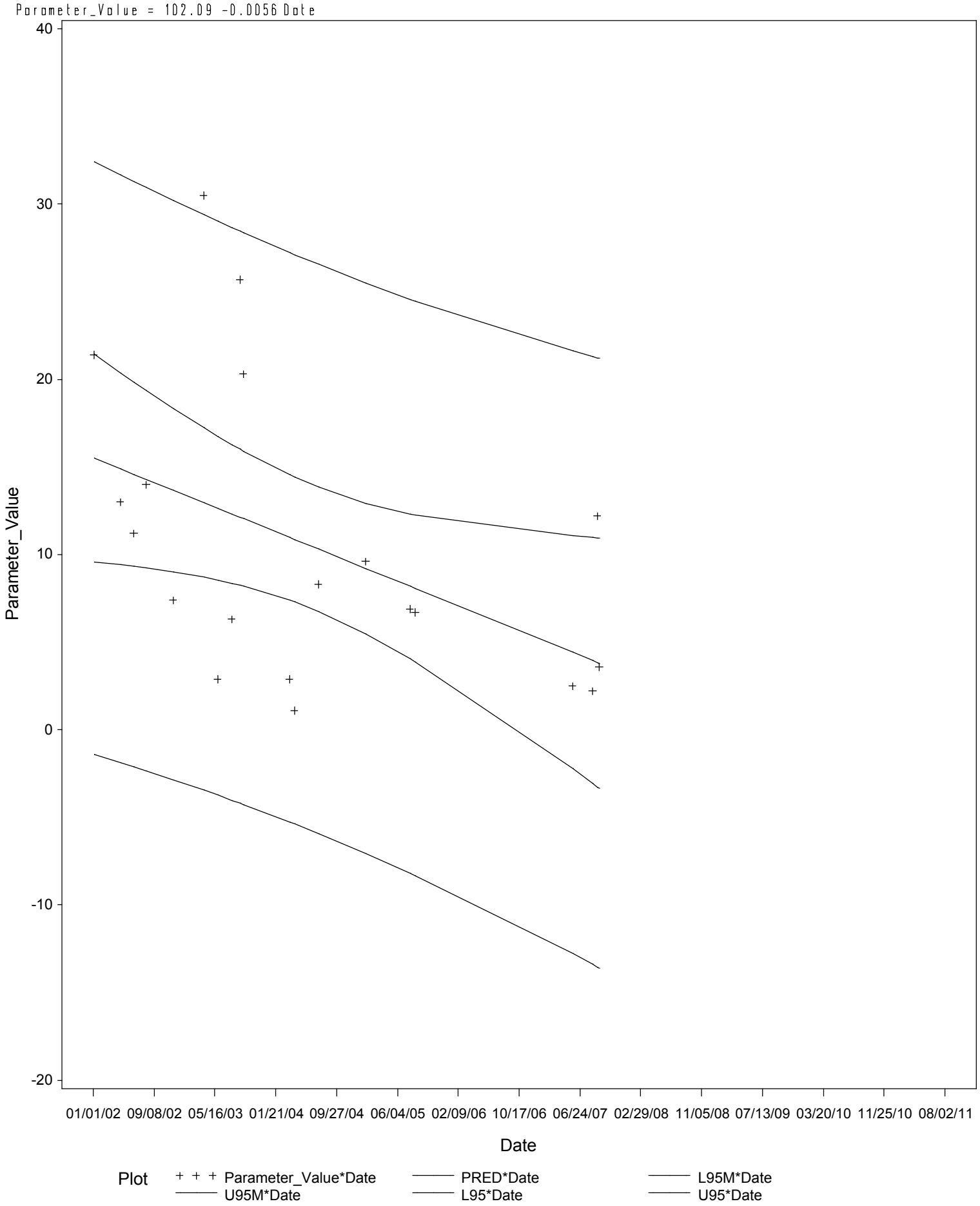
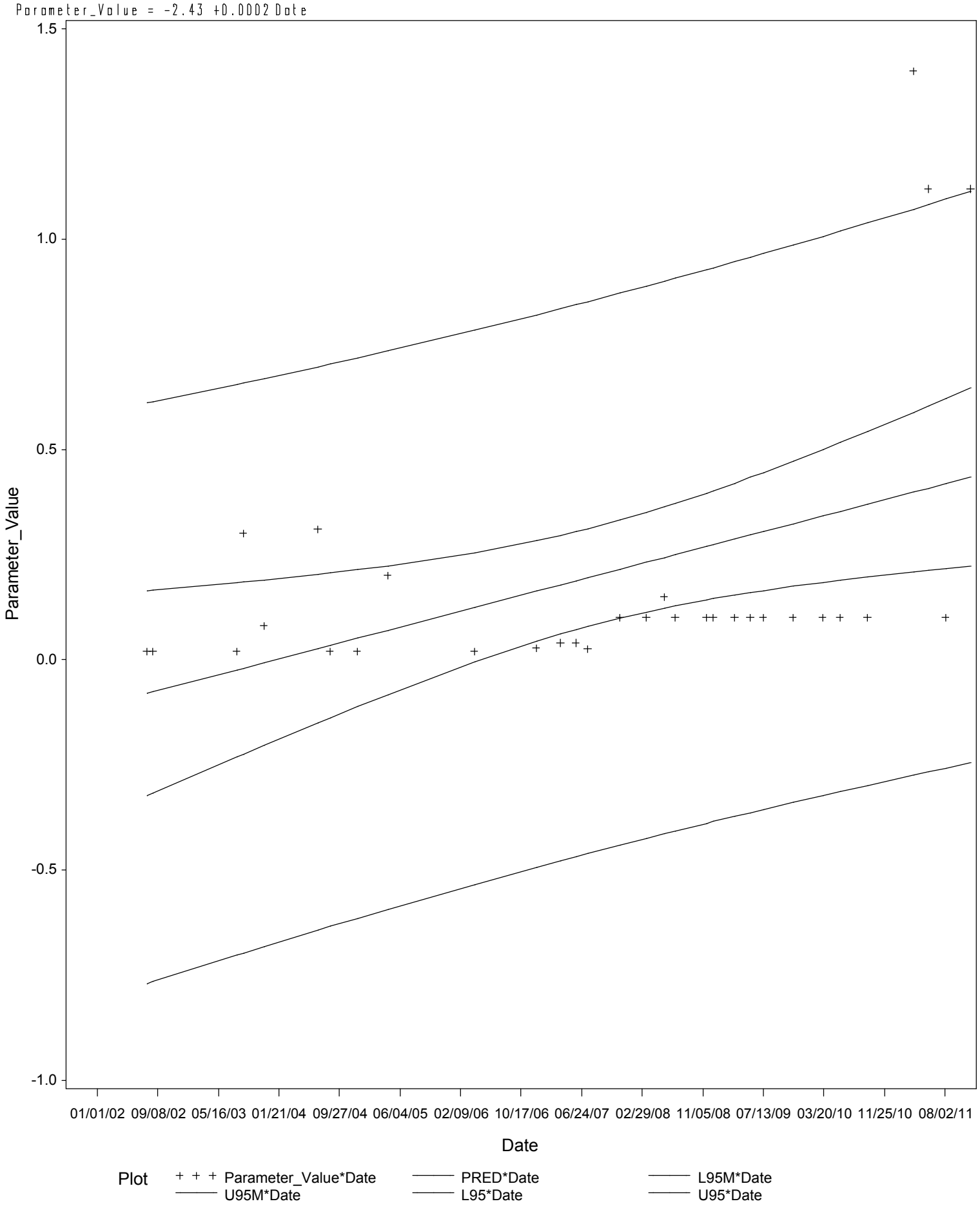
Rio Grande Below Amistad Reservoir

Parameter=ALUMINUM, DISSOLVED (UG/L AS AL) Station=13196



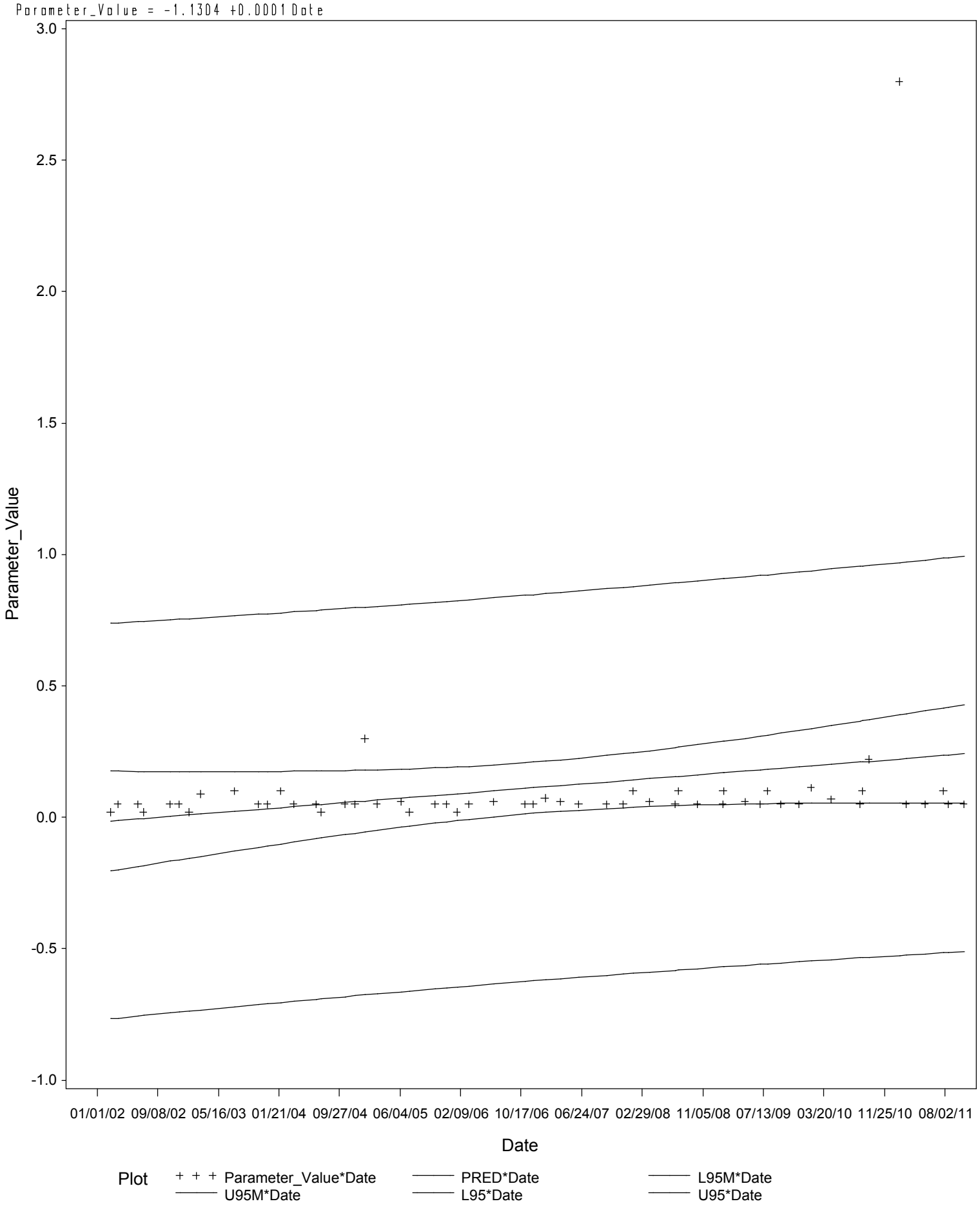
Rio Grande Below Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13202



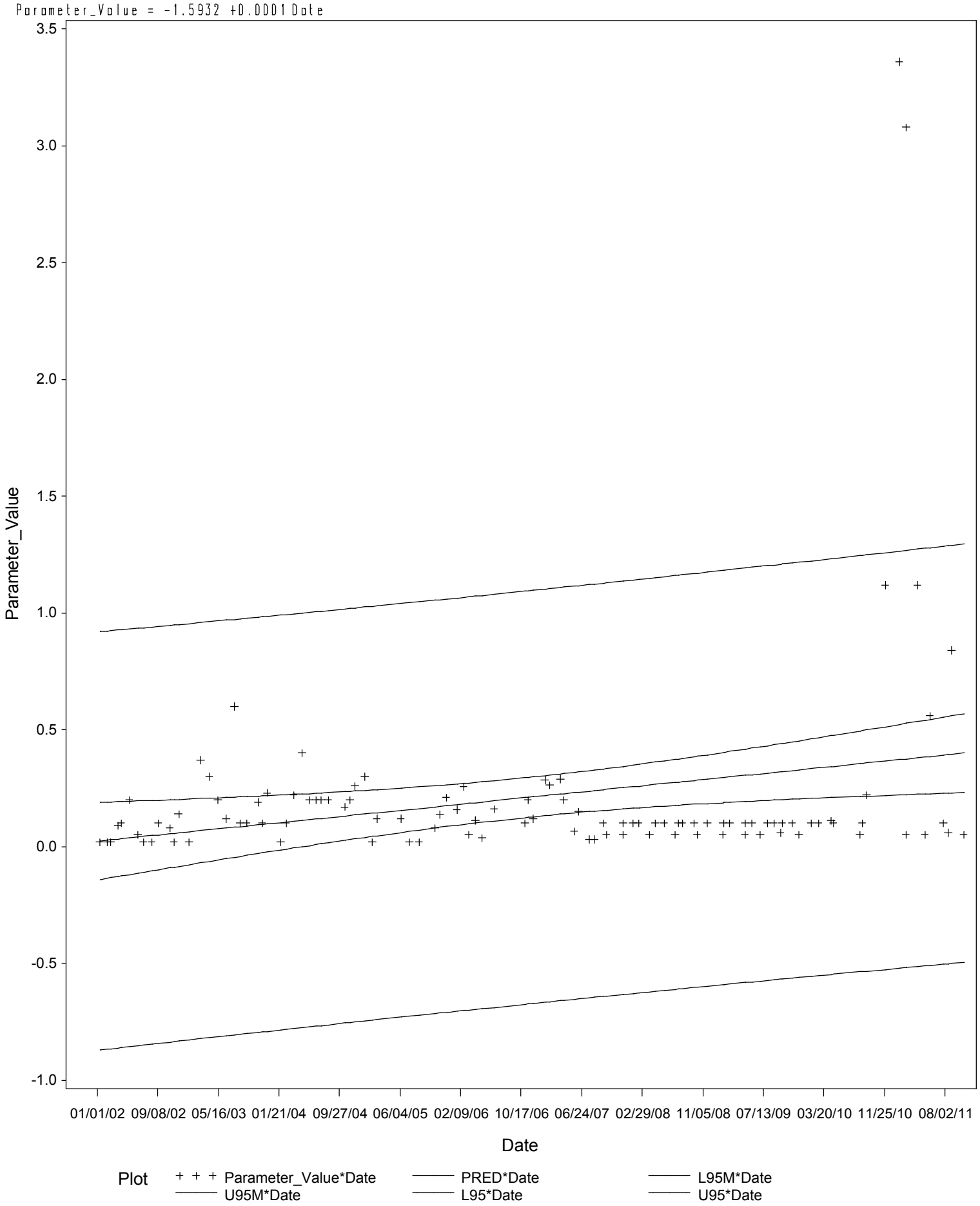
Rio Grande Below Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13208



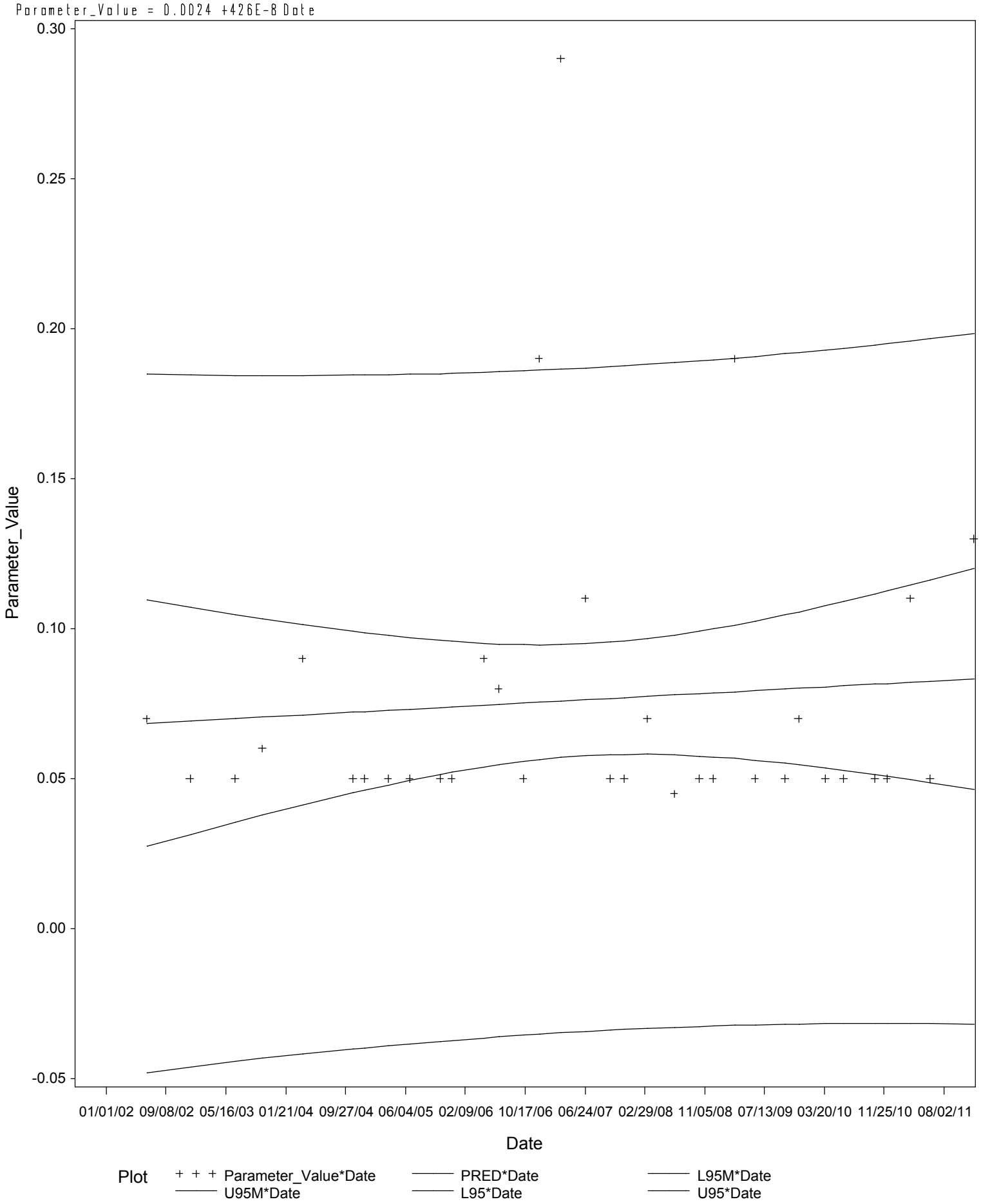
Rio Grande Below Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13560



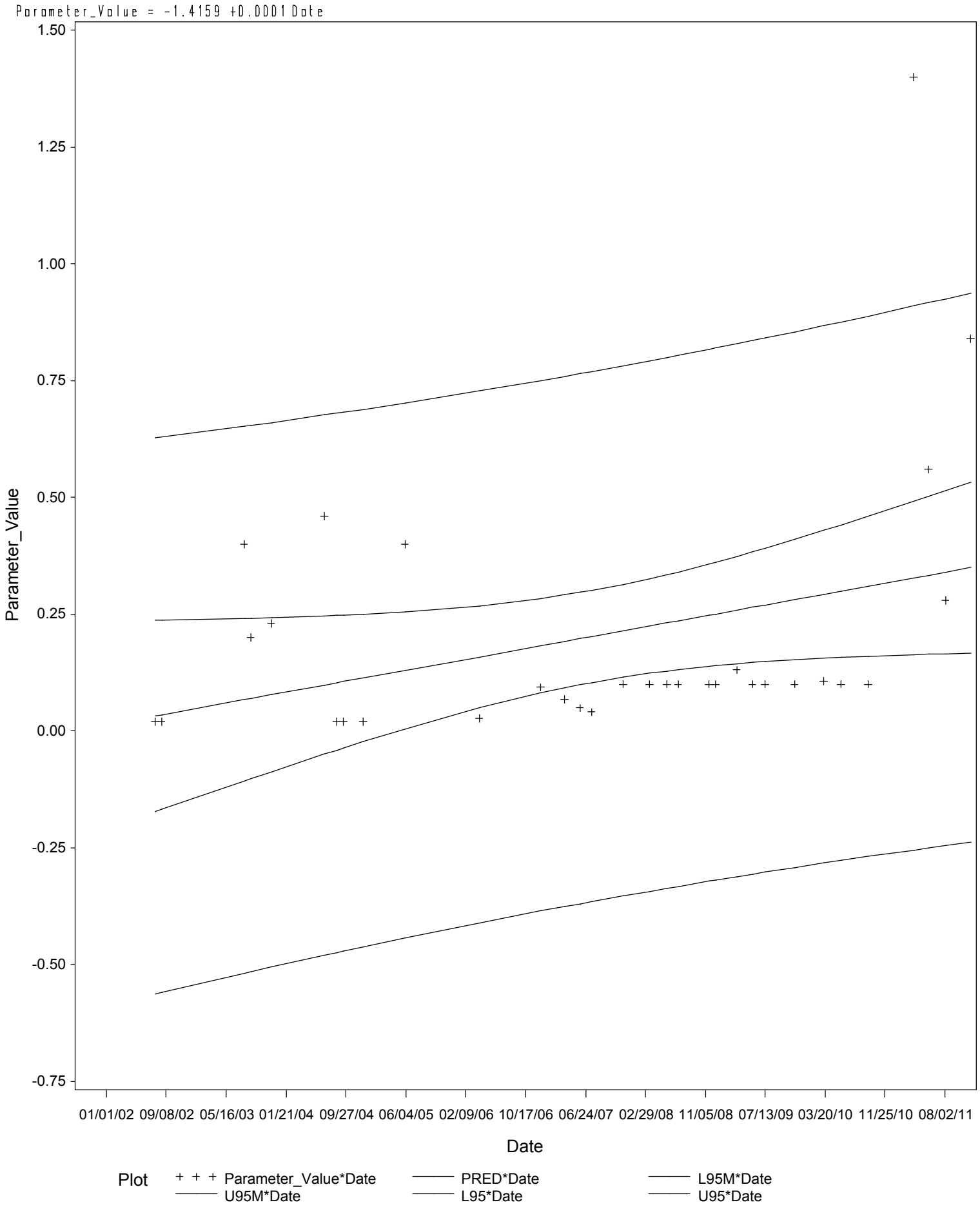
Rio Grande Below Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15274



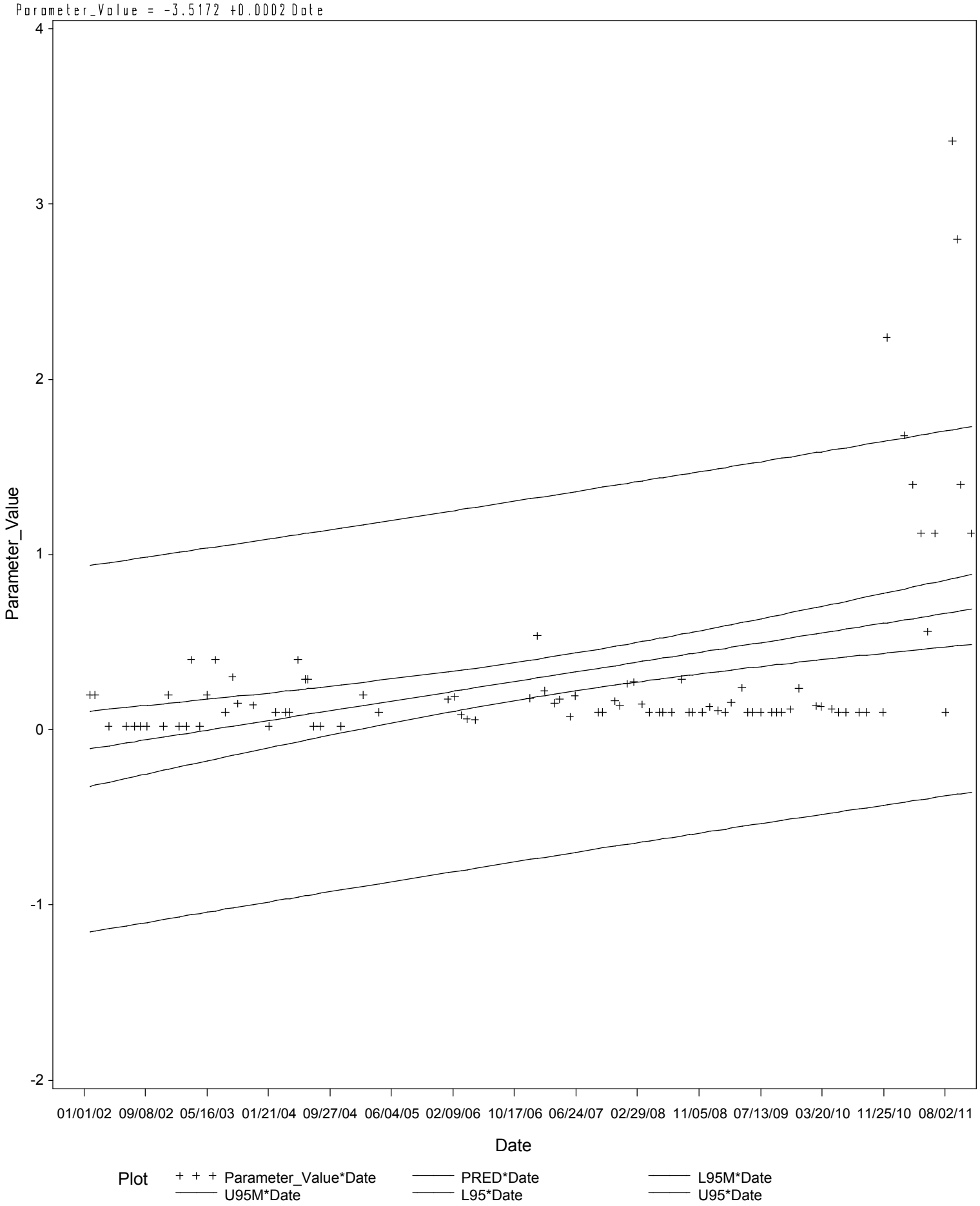
Rio Grande Below Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15814



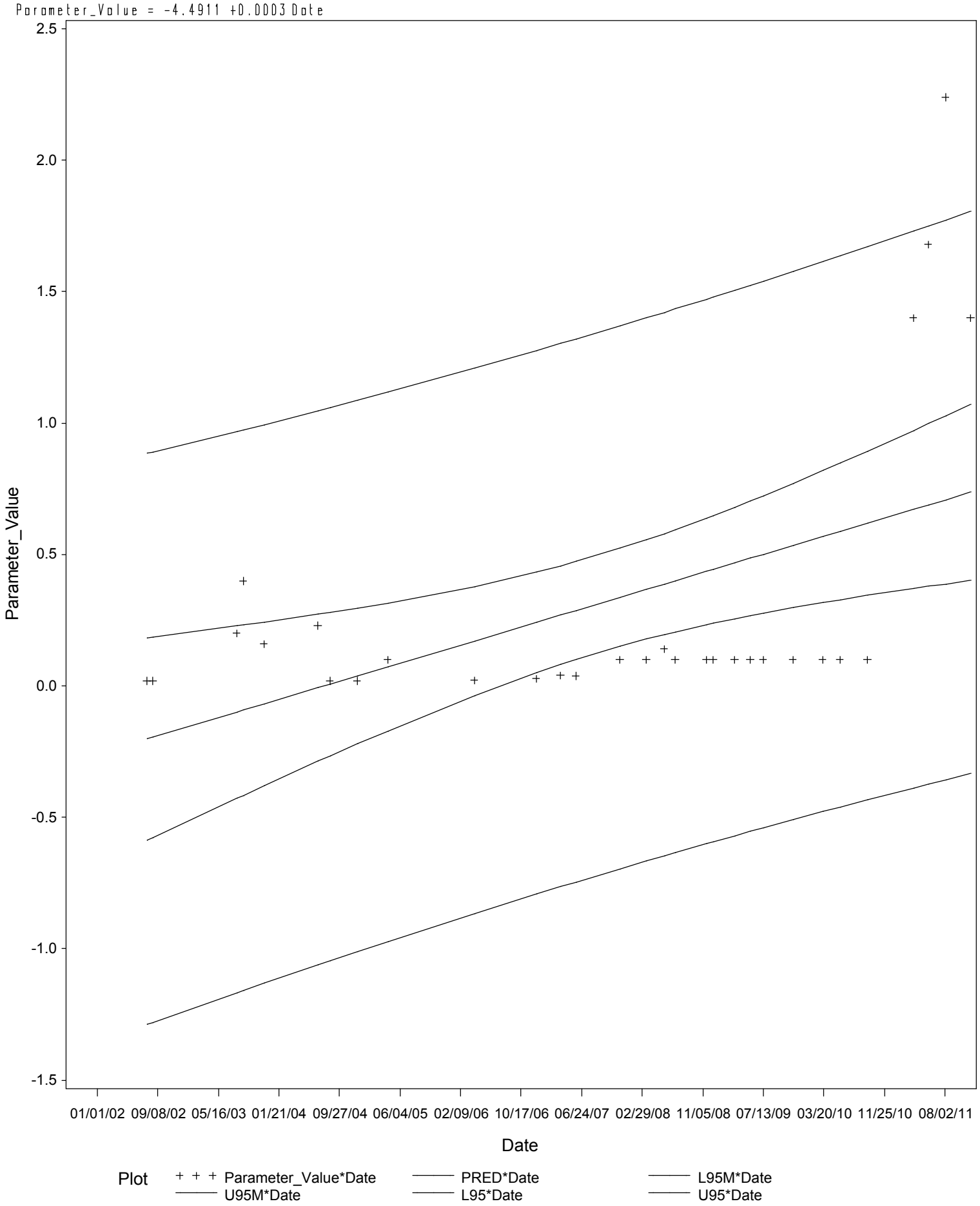
Rio Grande Below Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15817



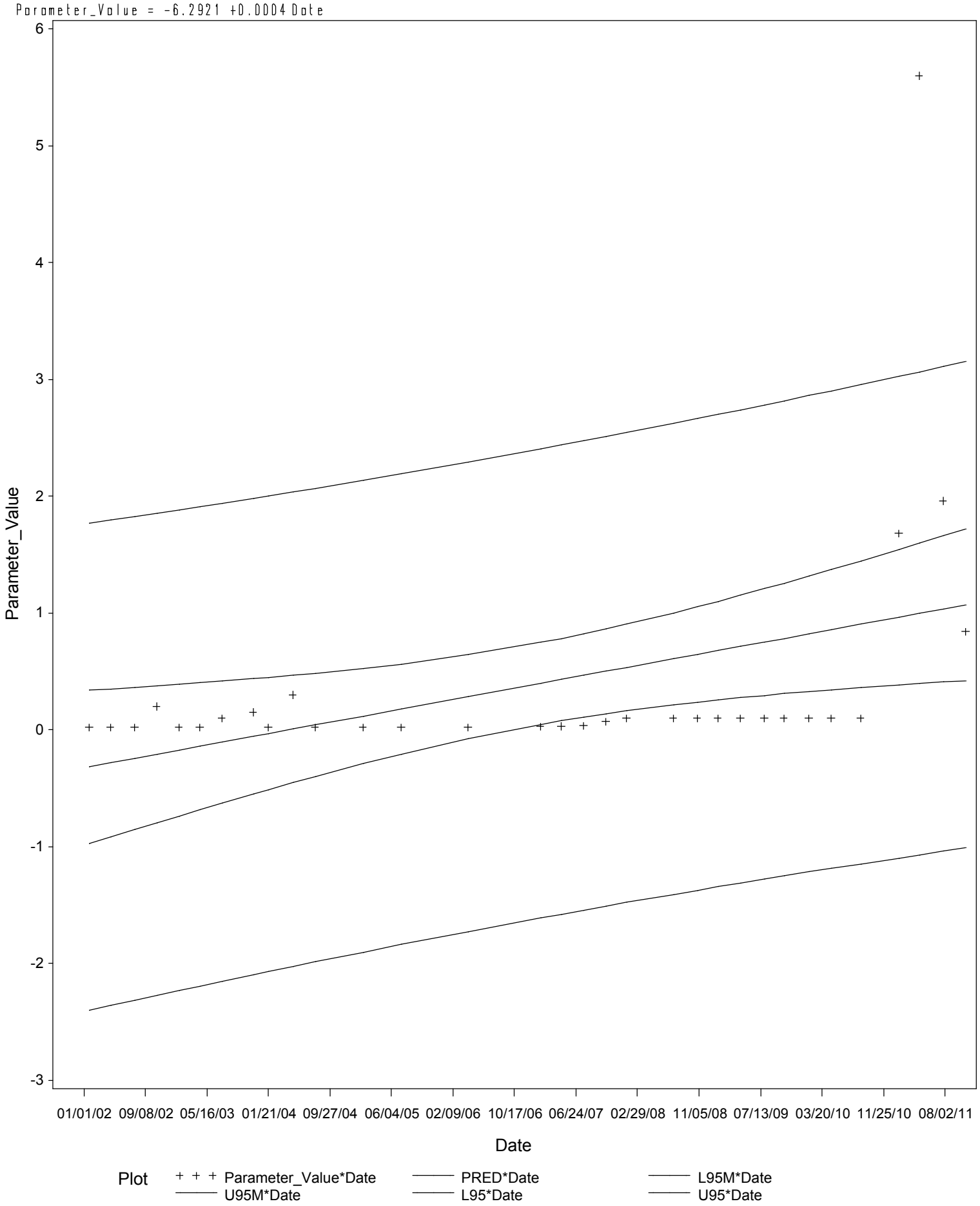
Rio Grande Below Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=17410



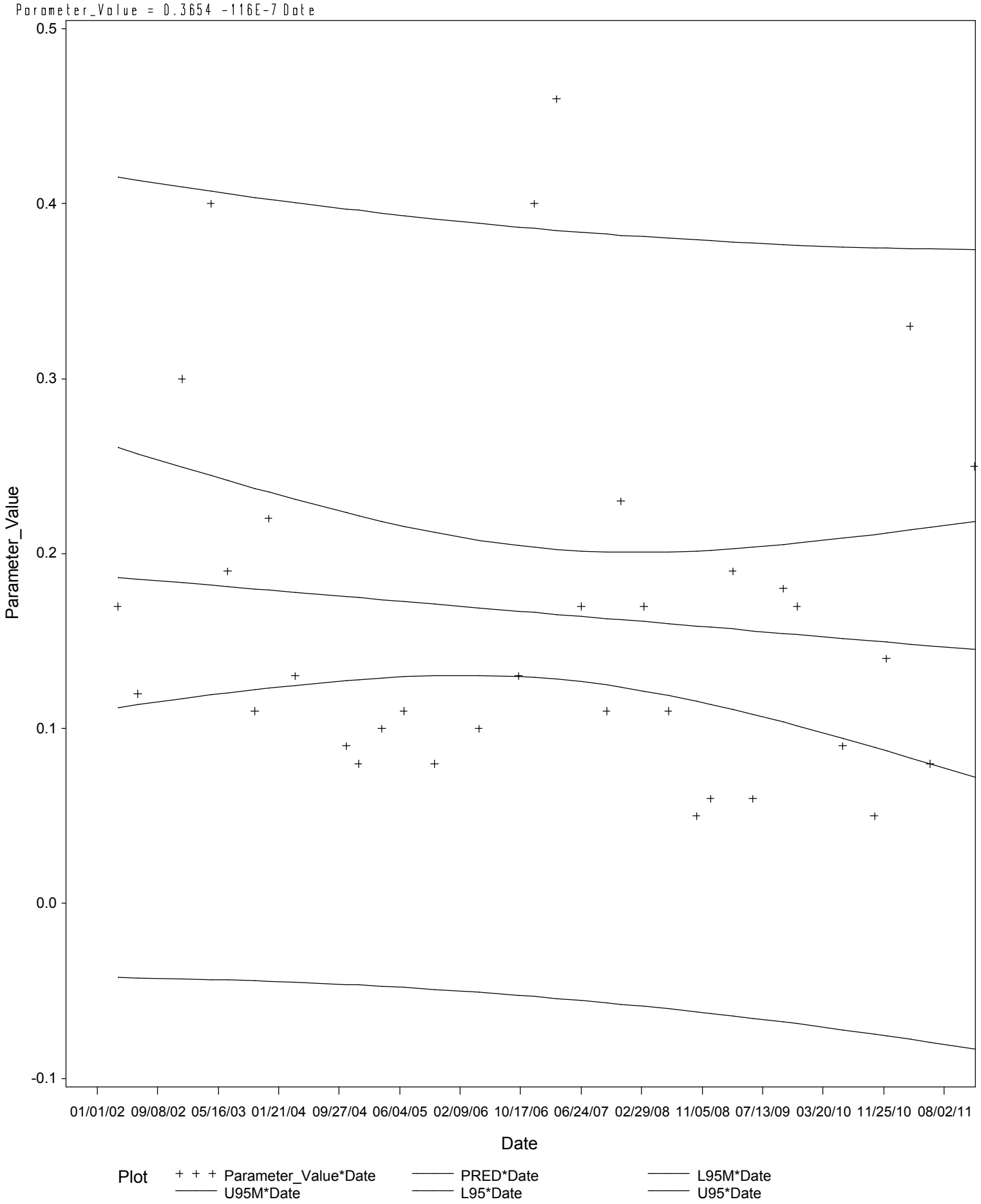
Rio Grande Below Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=17596



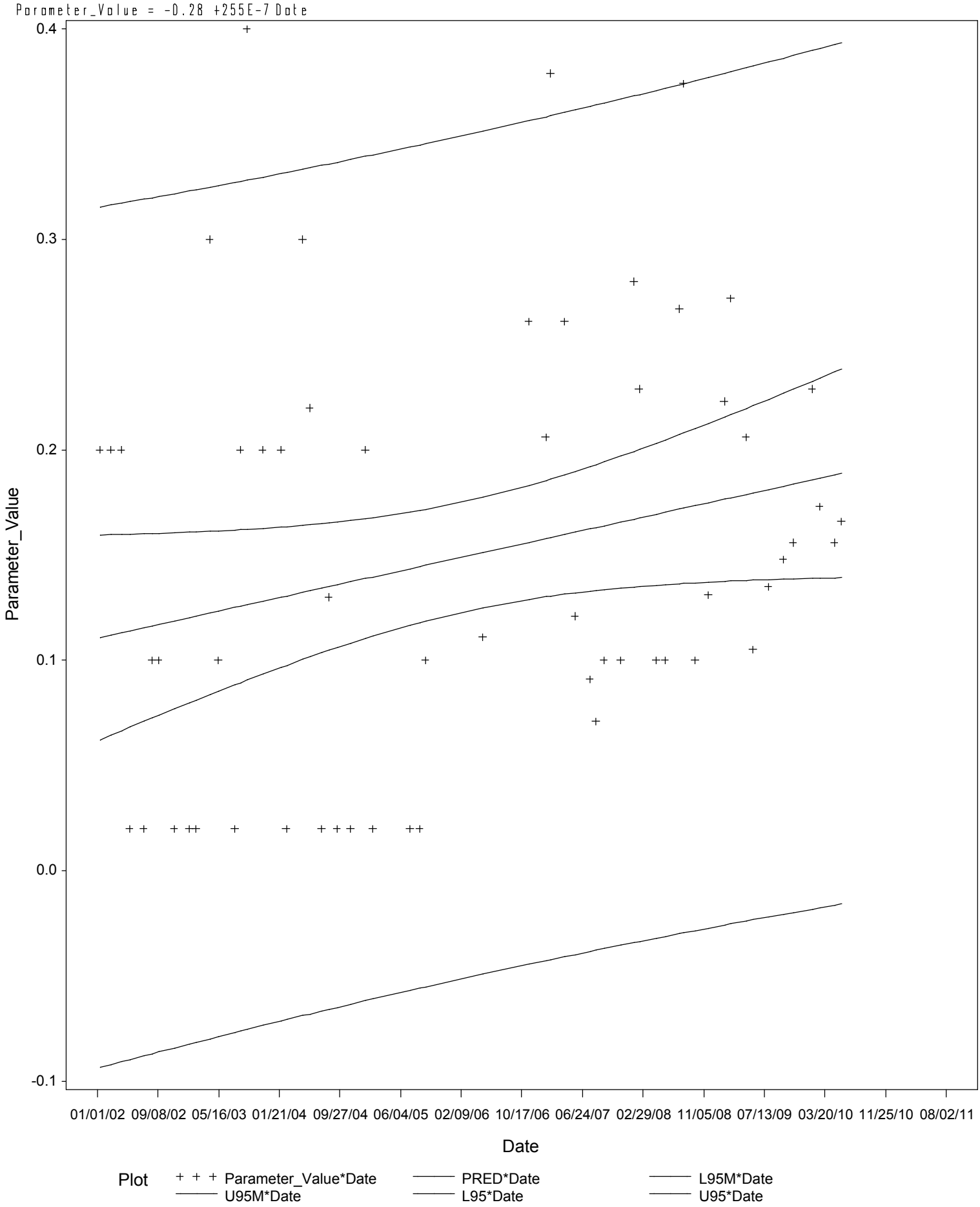
Rio Grande Below Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=18792



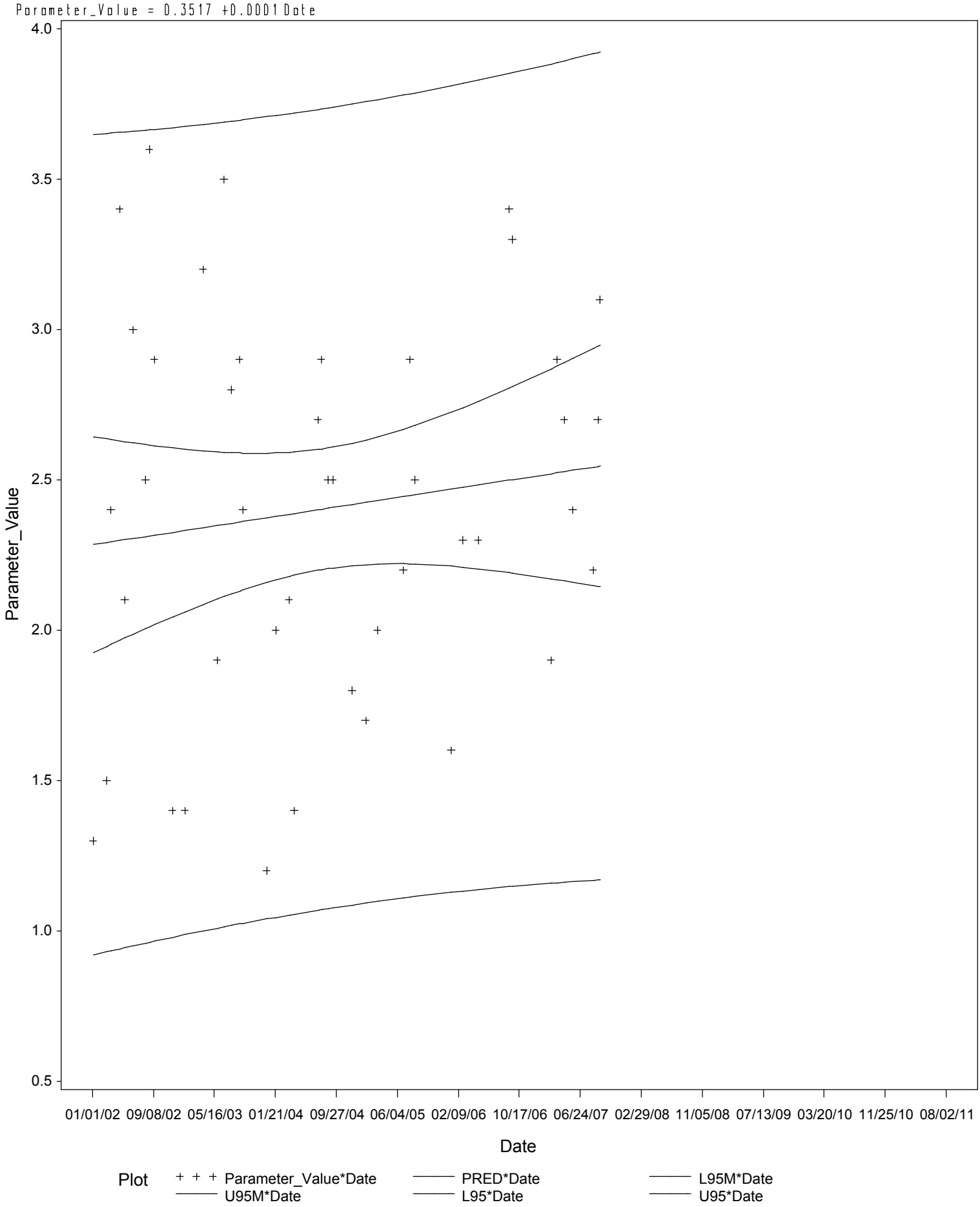
Rio Grande Below Amistad Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=18795



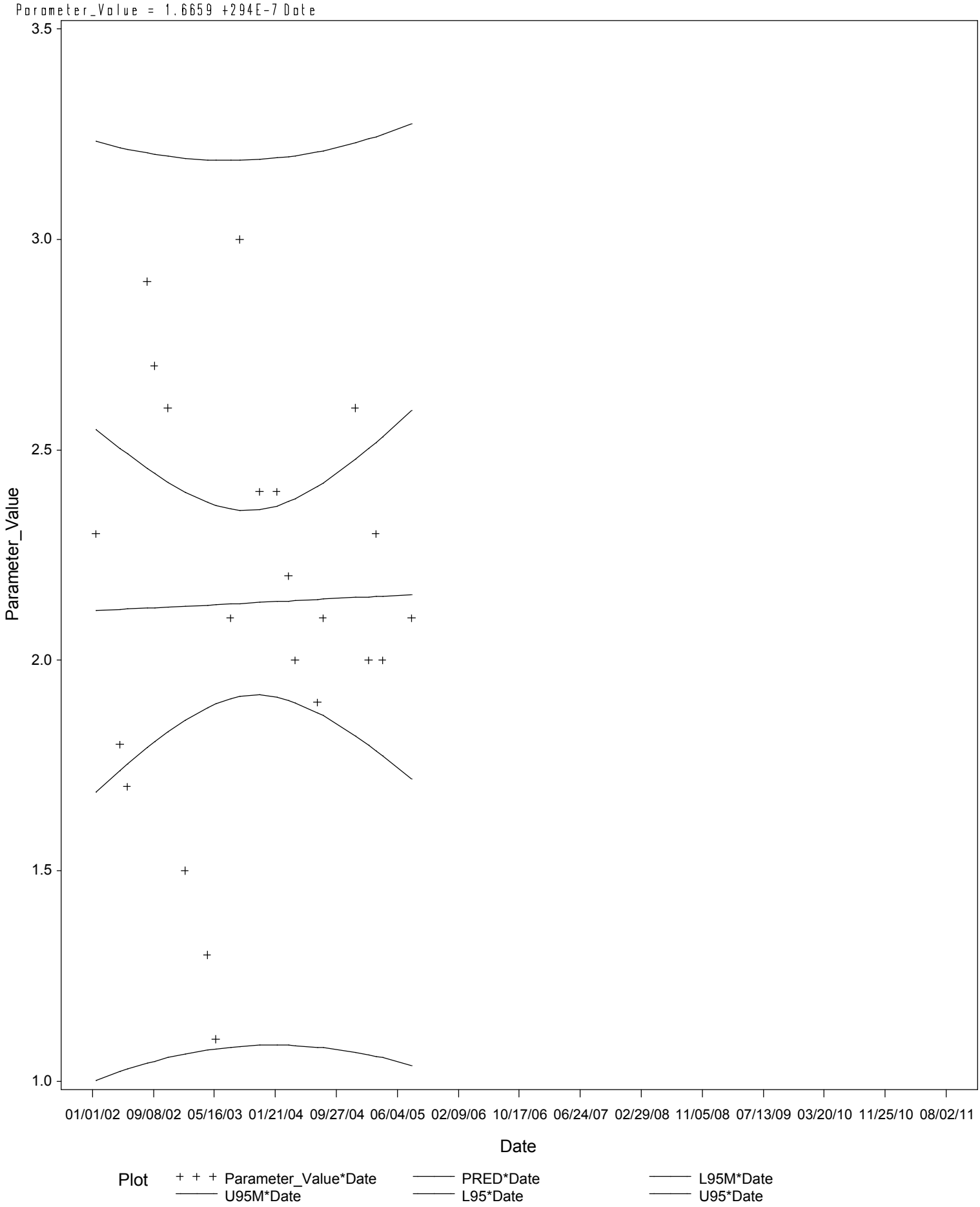
Rio Grande Below Amistad Reservoir

Parameter=ARSENIC, DISSOLVED (UG/L AS AS) Station=13196



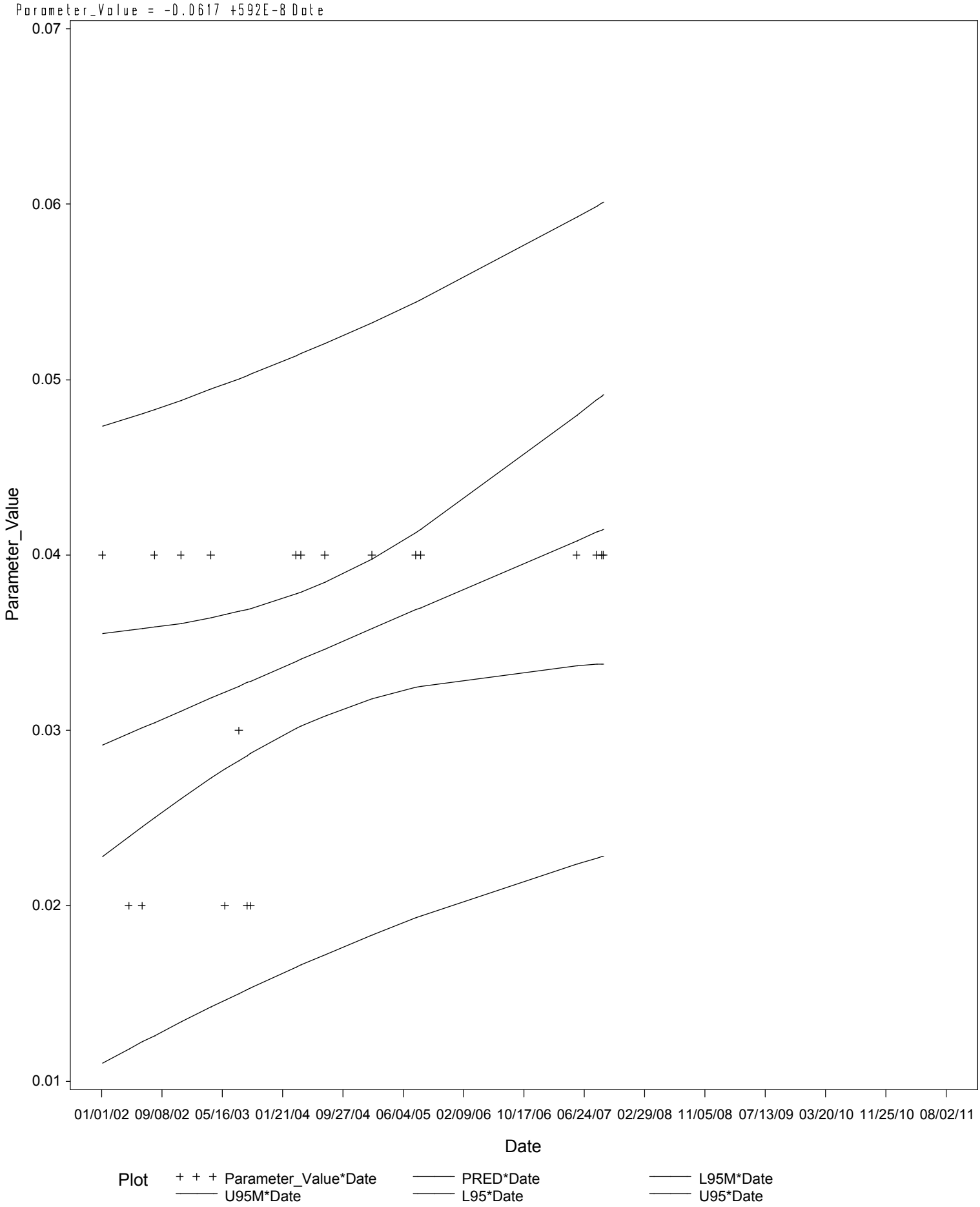
Rio Grande Below Amistad Reservoir

Parameter=ARSENIC, DISSOLVED (UG/L AS AS) Station=13209



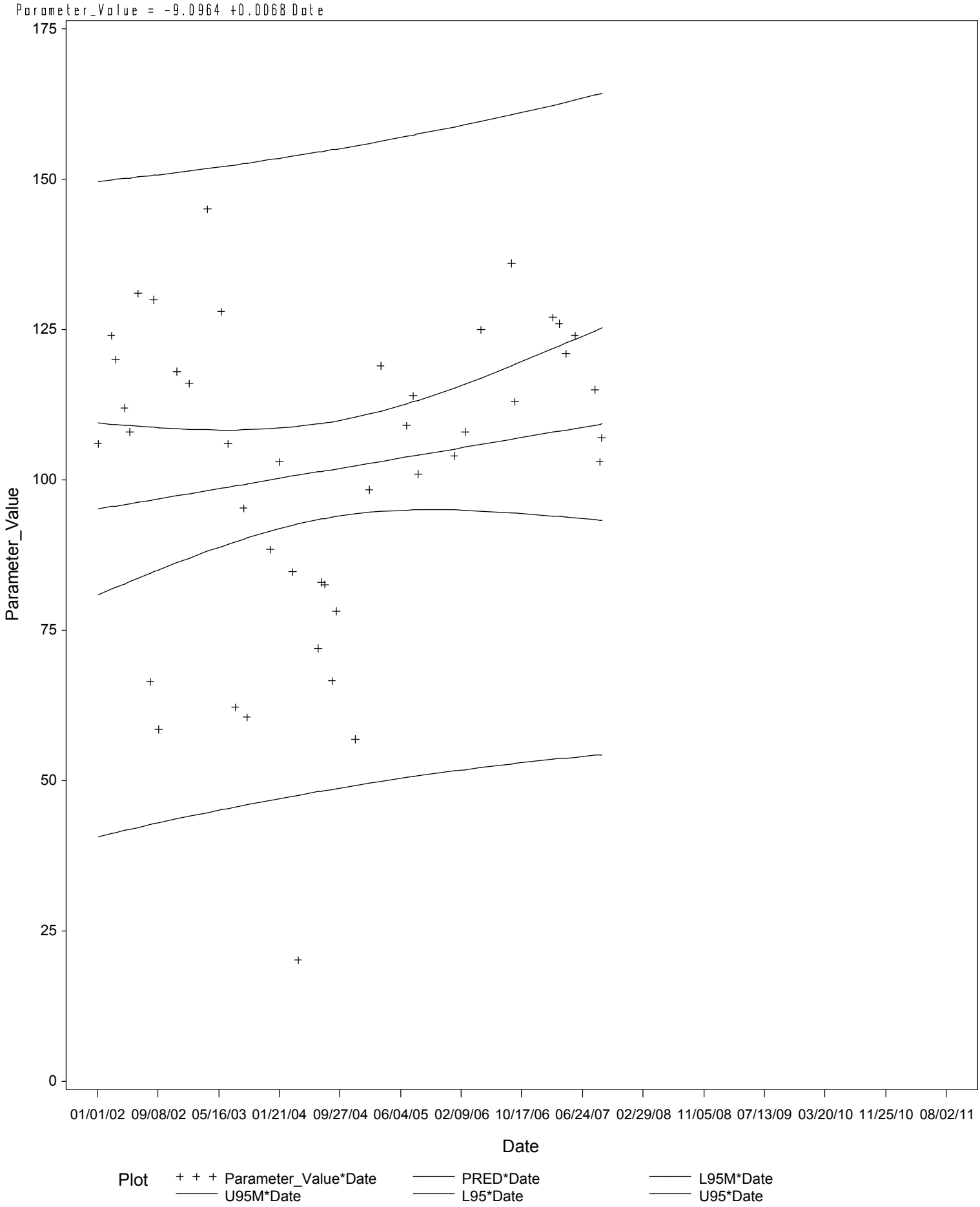
Rio Grande Below Amistad Reservoir

Parameter=CADMIUM, DISSOLVED (UG/L AS CD) Station=13196



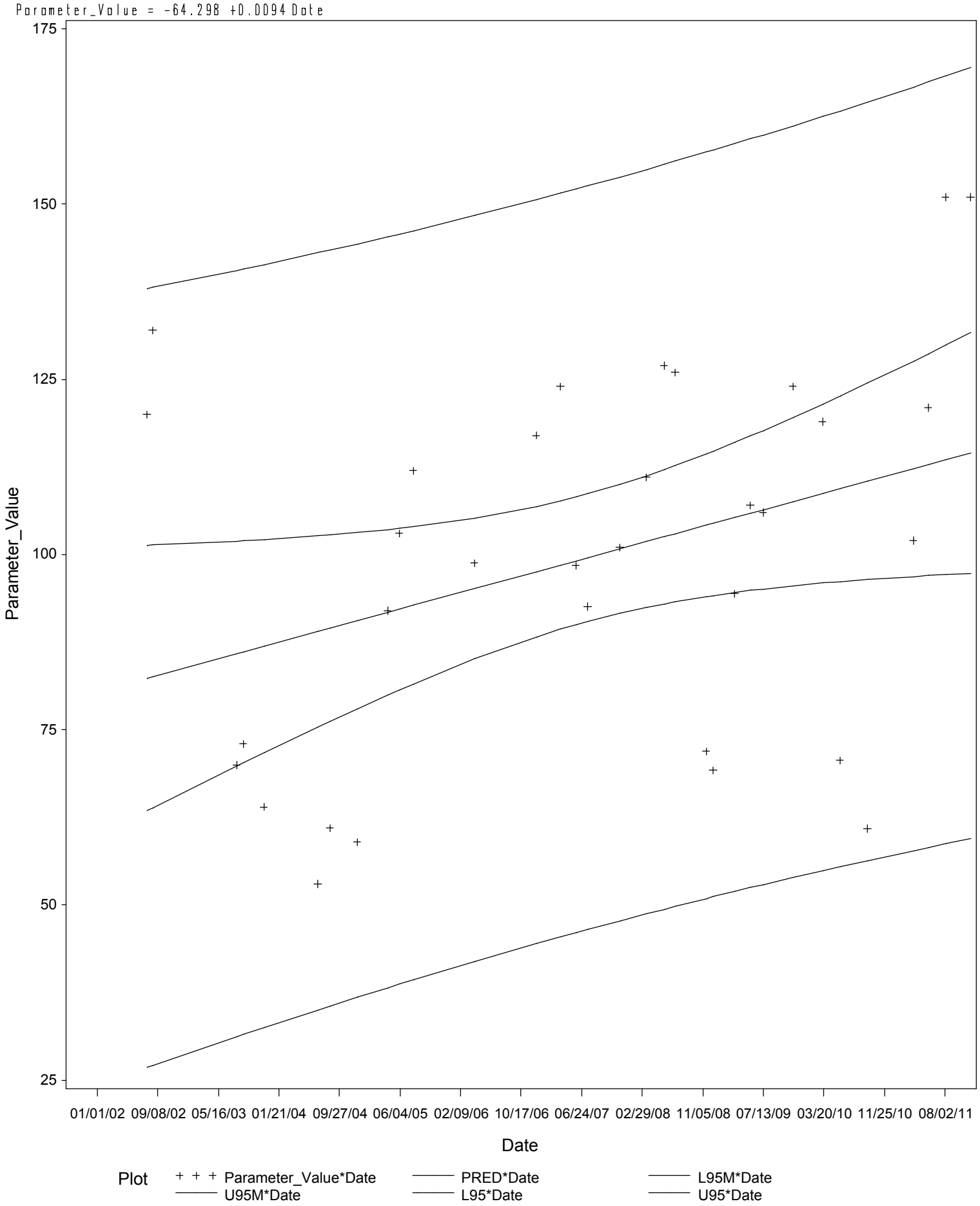
Rio Grande Below Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13196



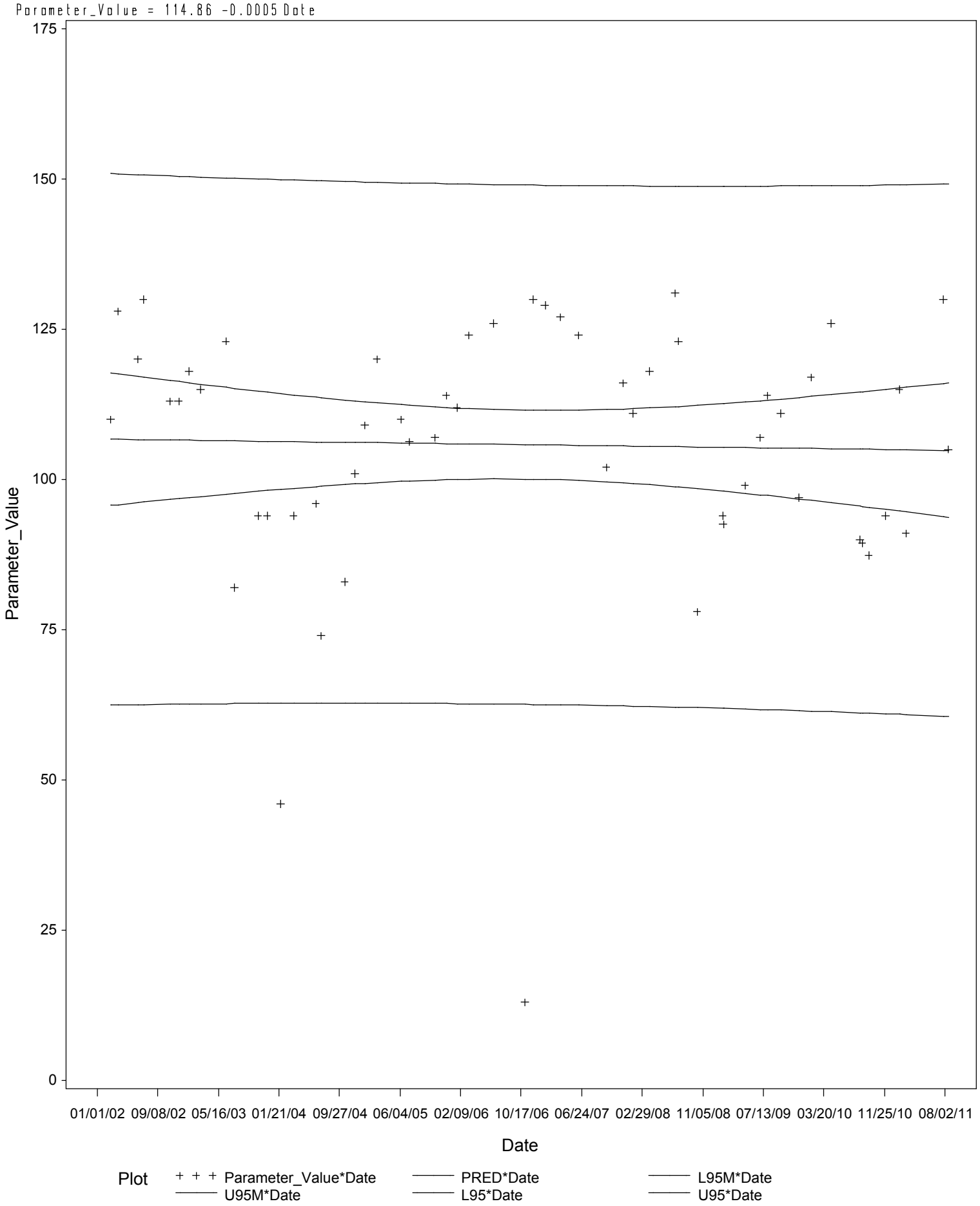
Rio Grande Below Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13202



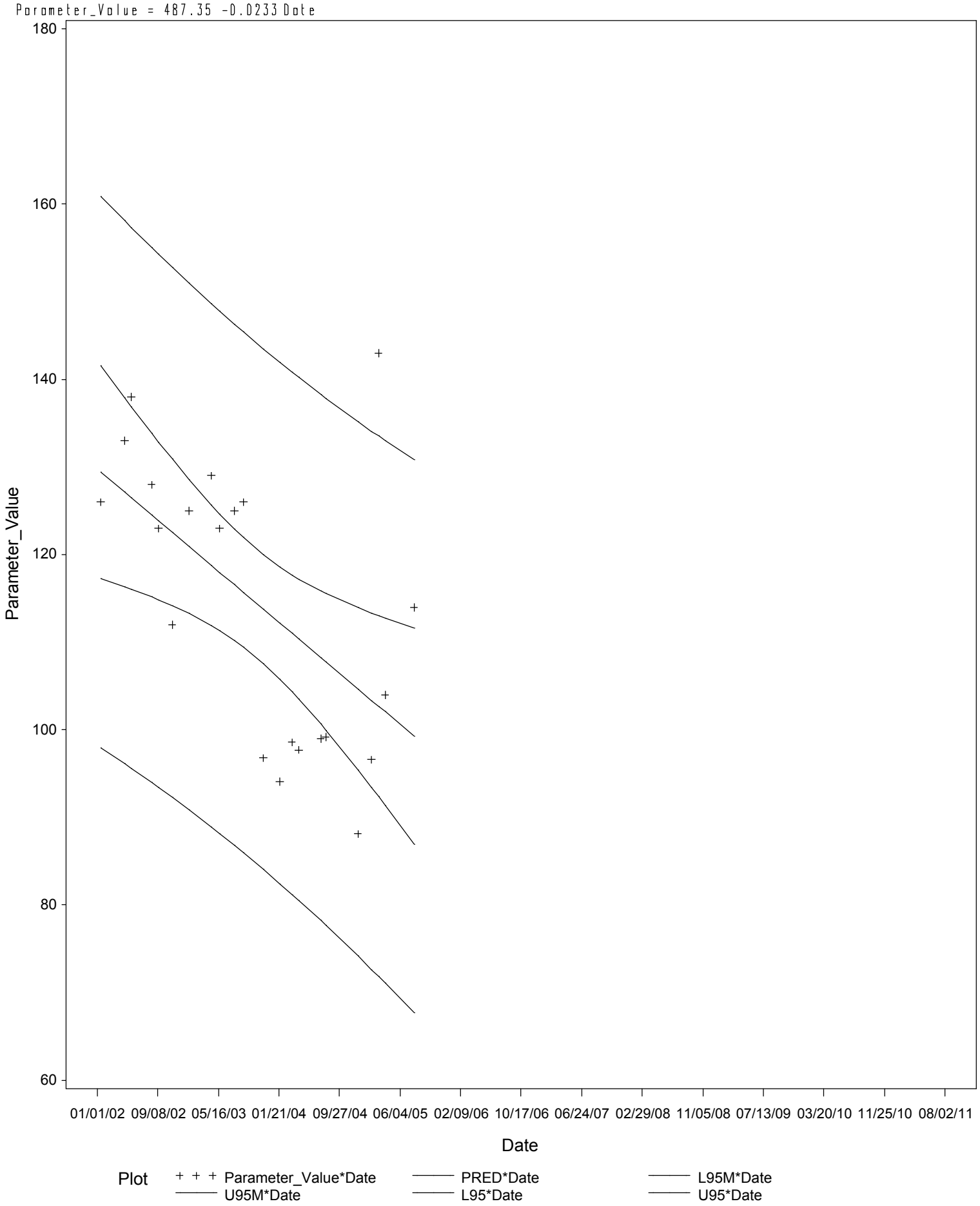
Rio Grande Below Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13208



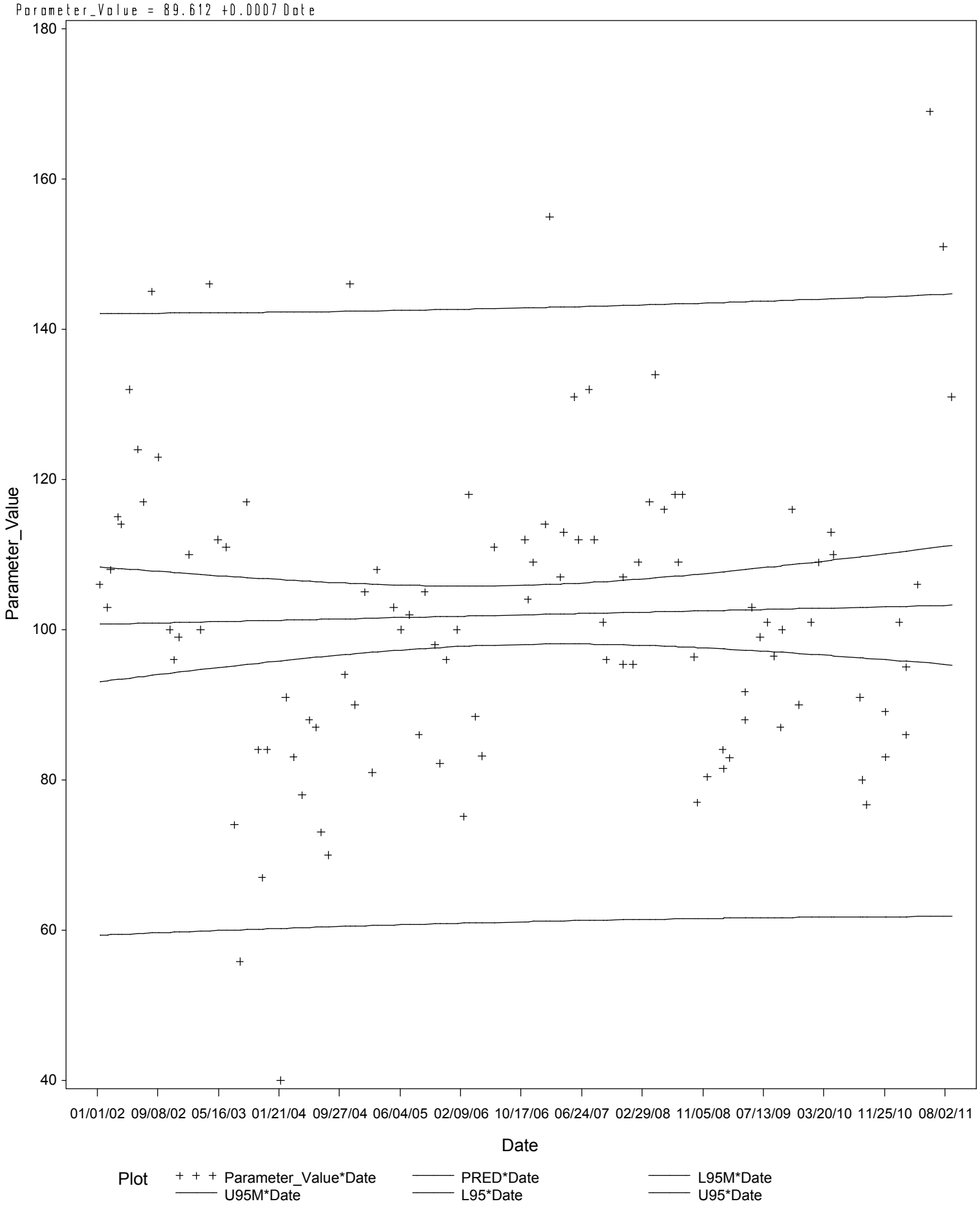
Rio Grande Below Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13209



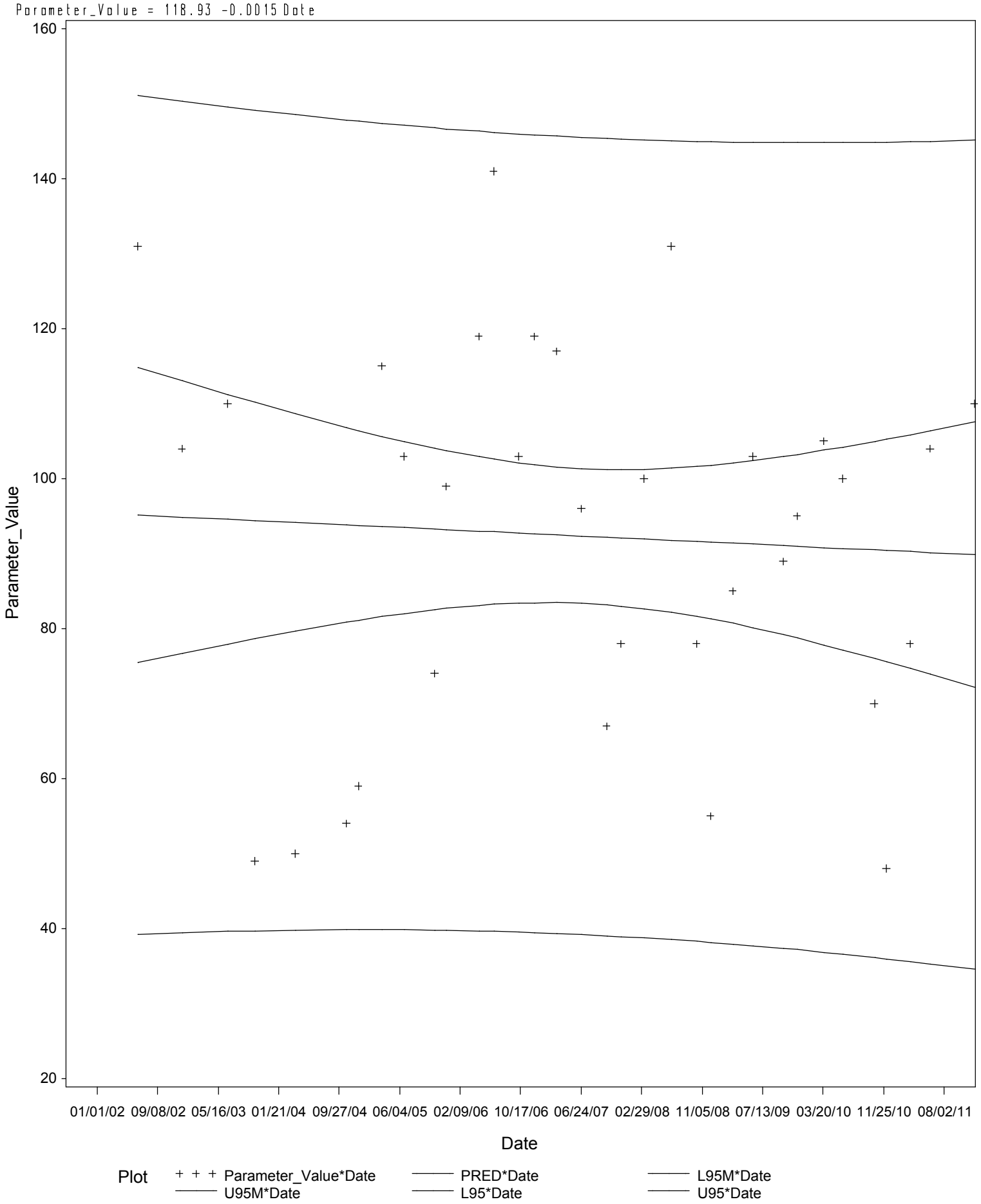
Rio Grande Below Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13560



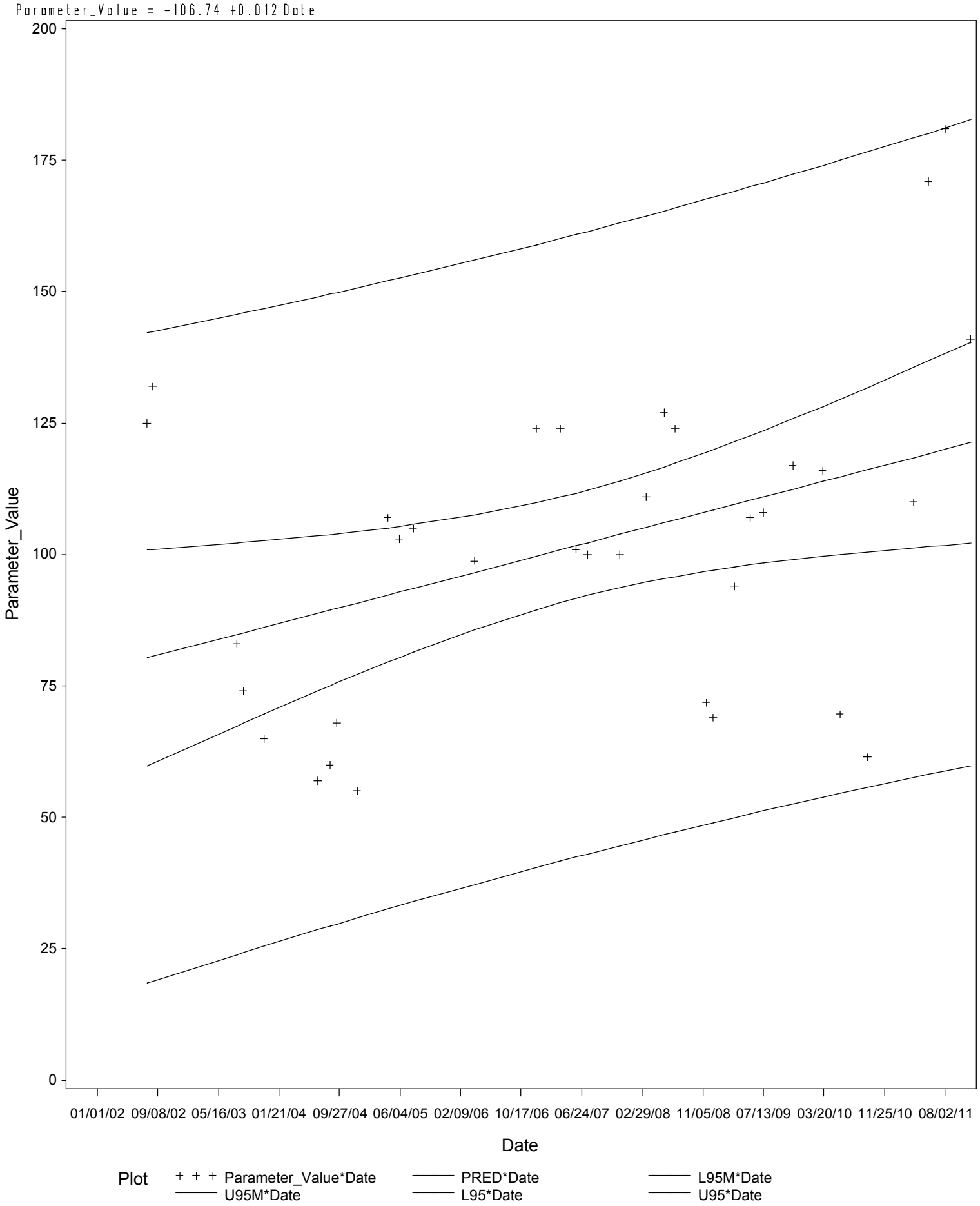
Rio Grande Below Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=15274



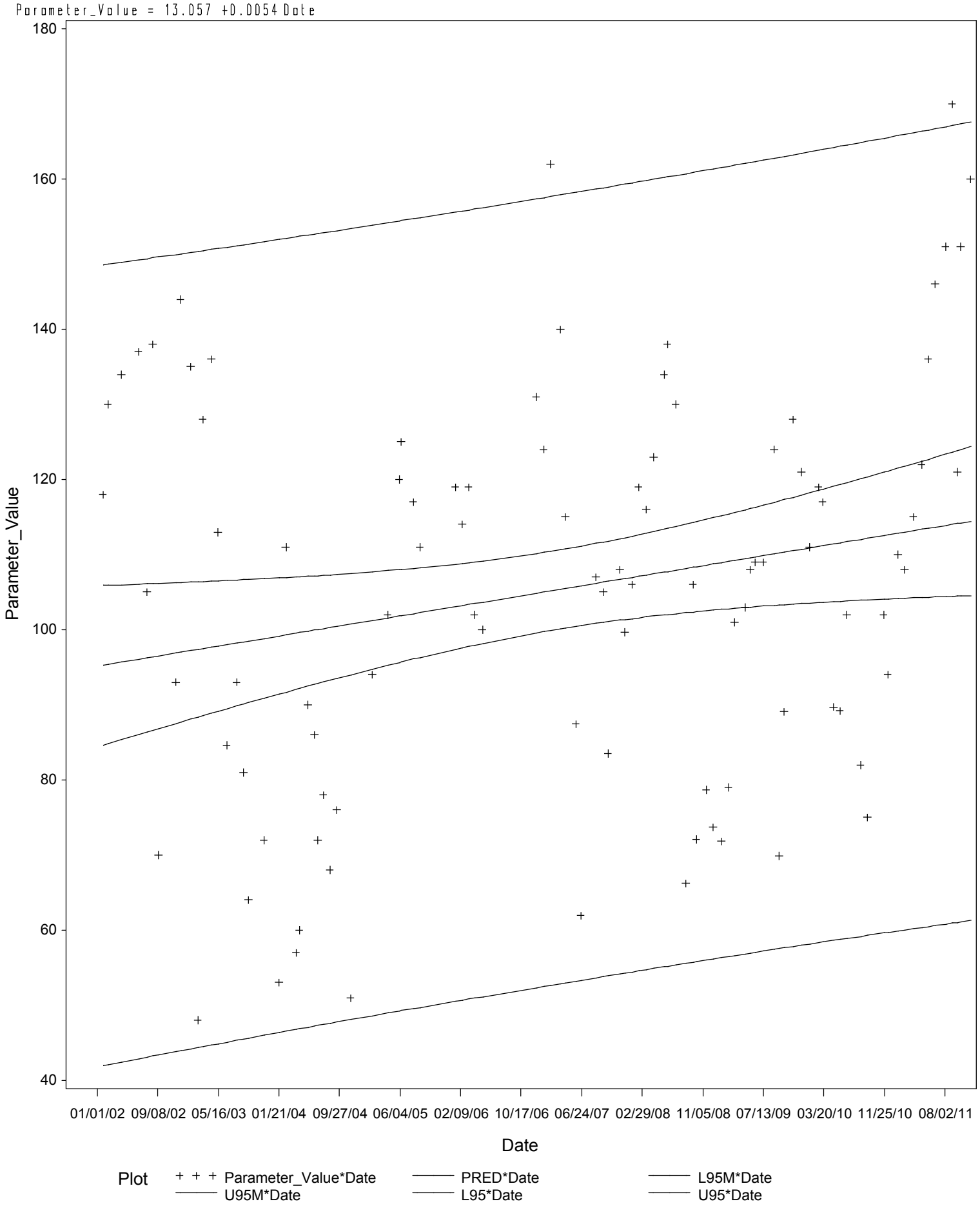
Rio Grande Below Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=15814



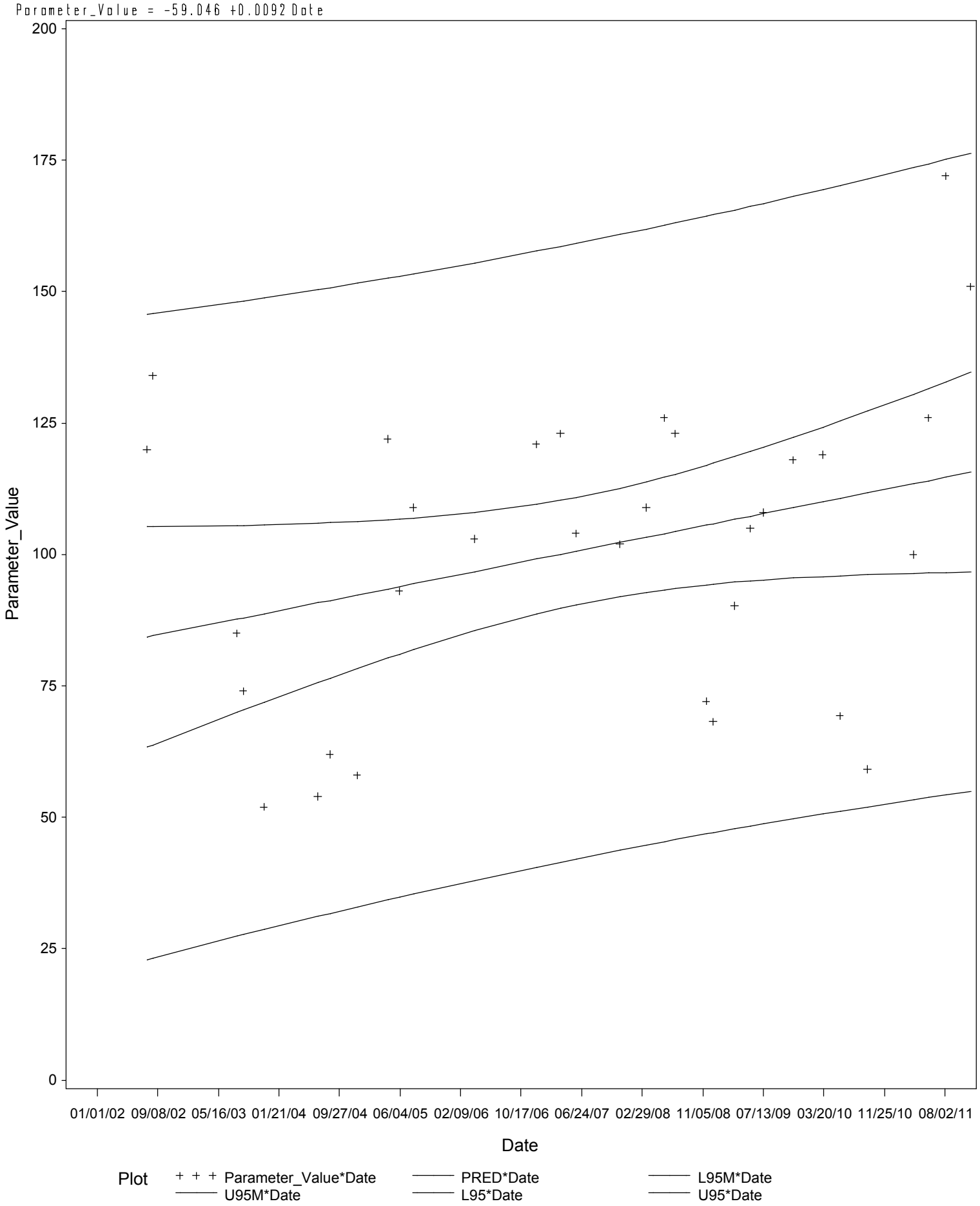
Rio Grande Below Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=15817



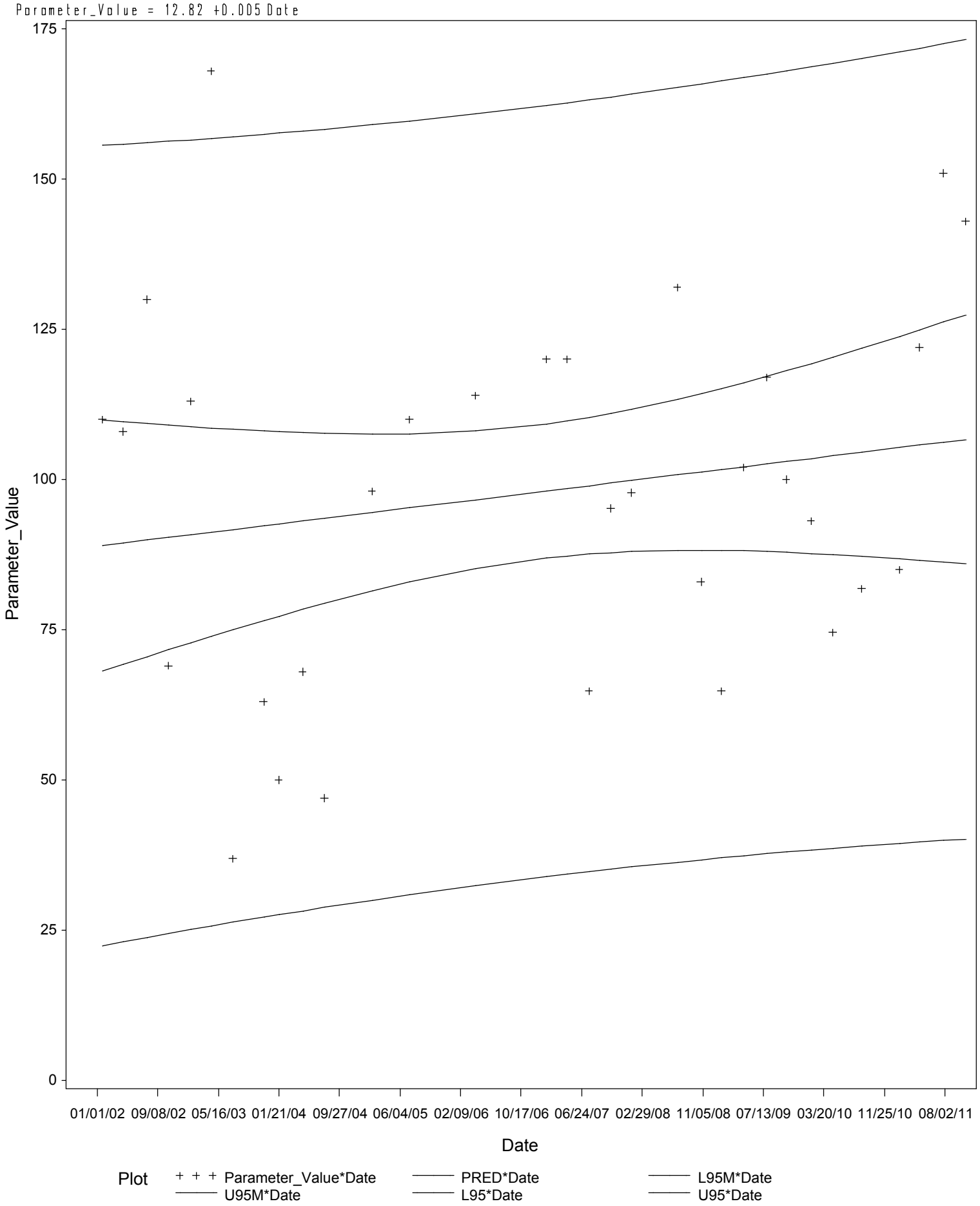
Rio Grande Below Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=17410



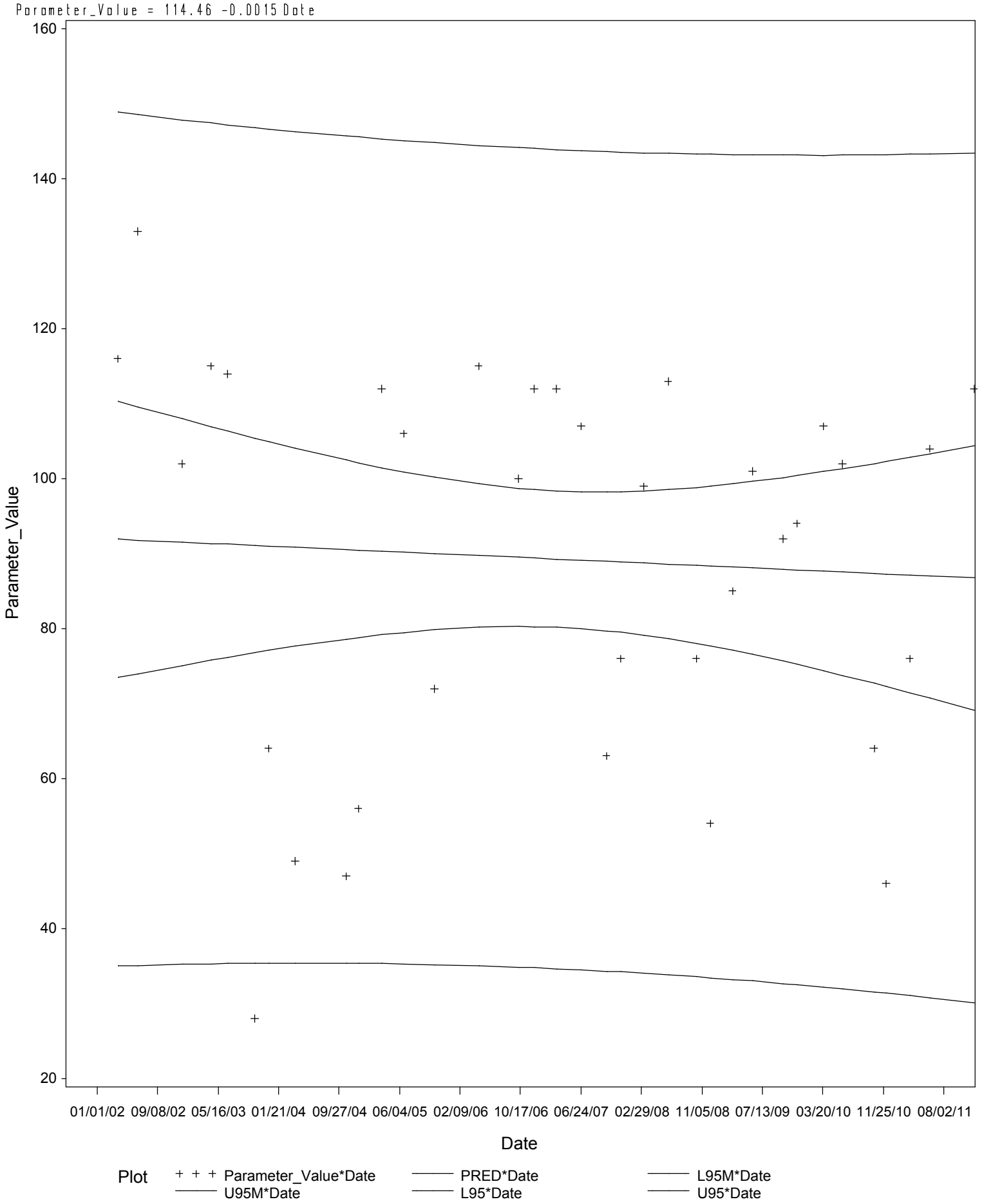
Rio Grande Below Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=17596



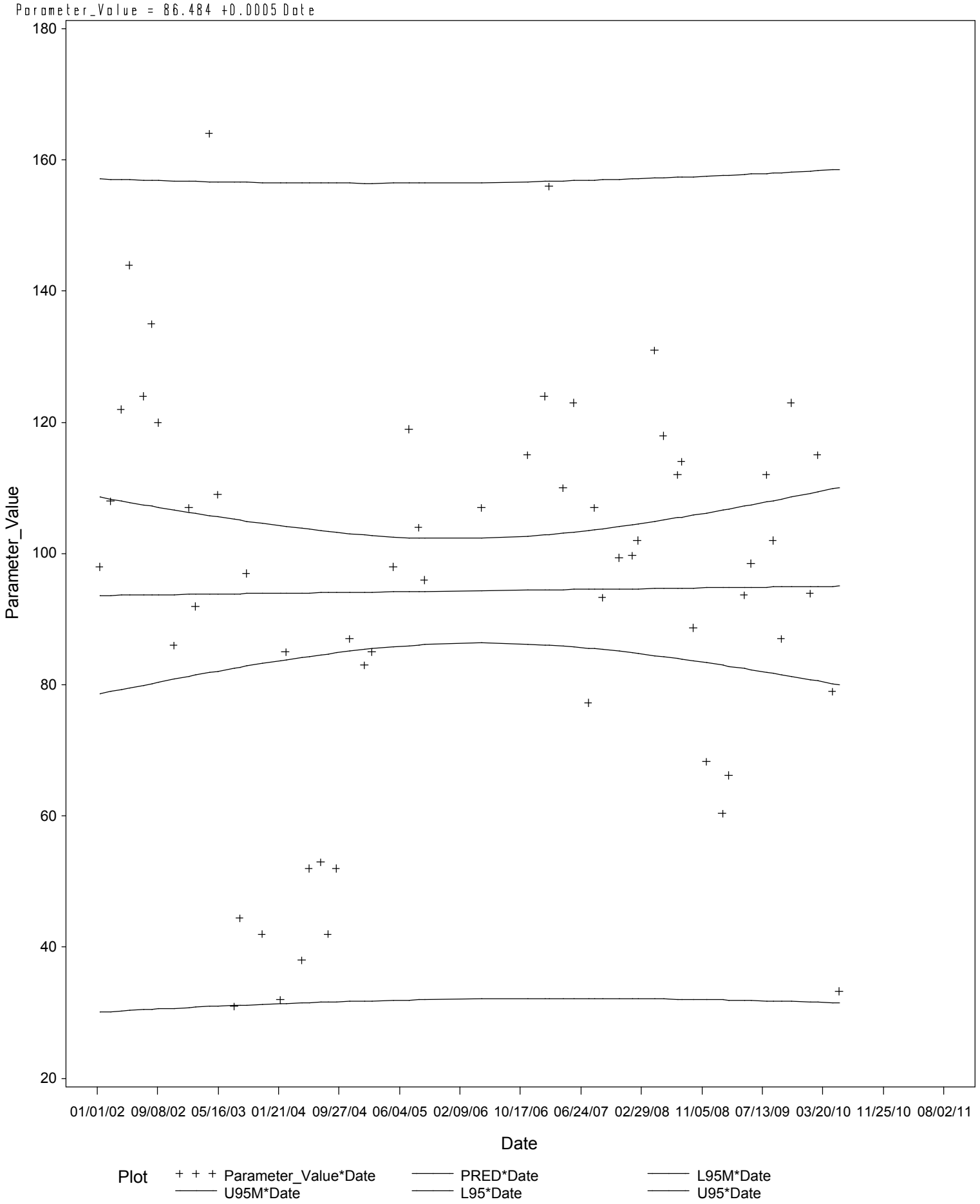
Rio Grande Below Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=18792



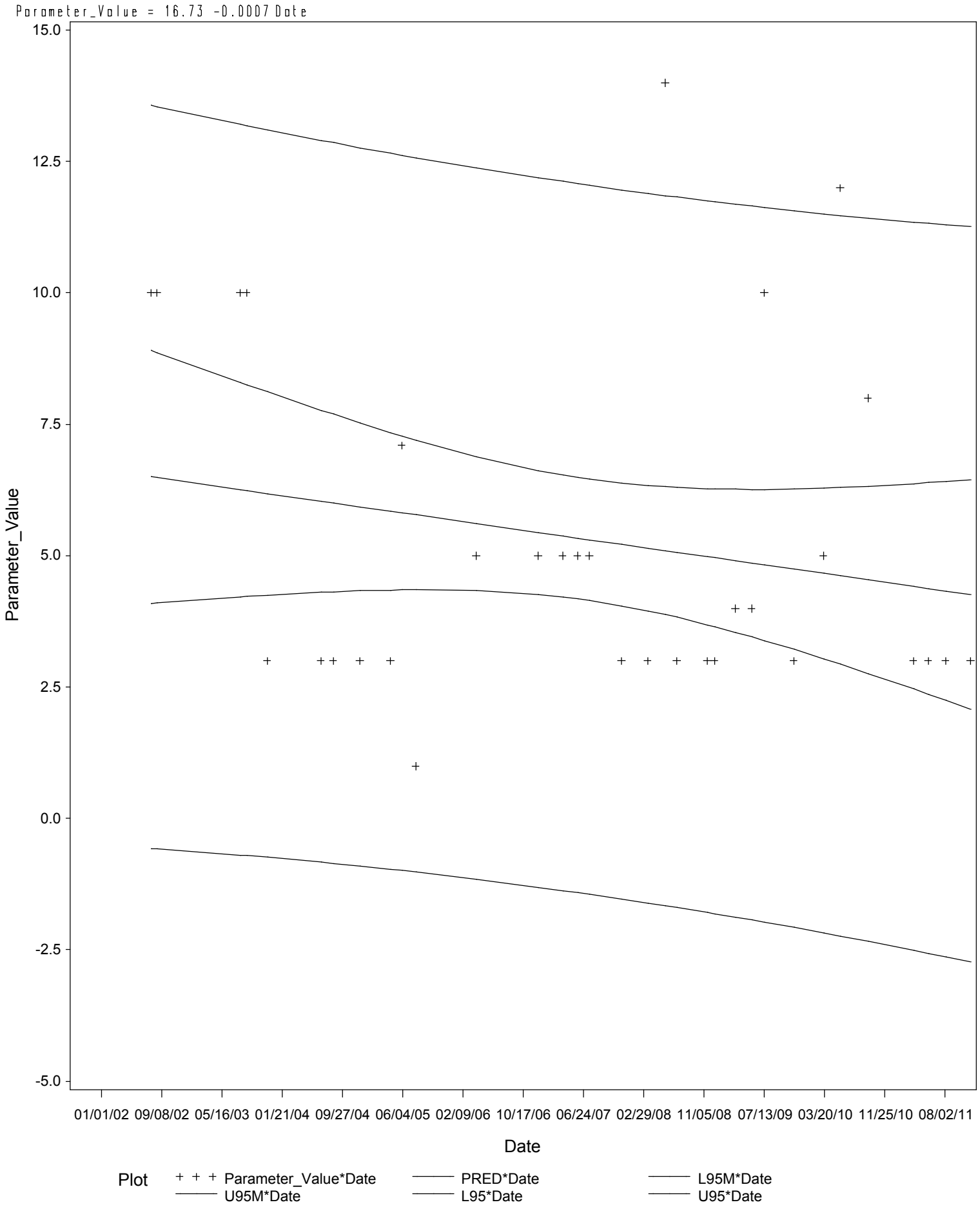
Rio Grande Below Amistad Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=18795



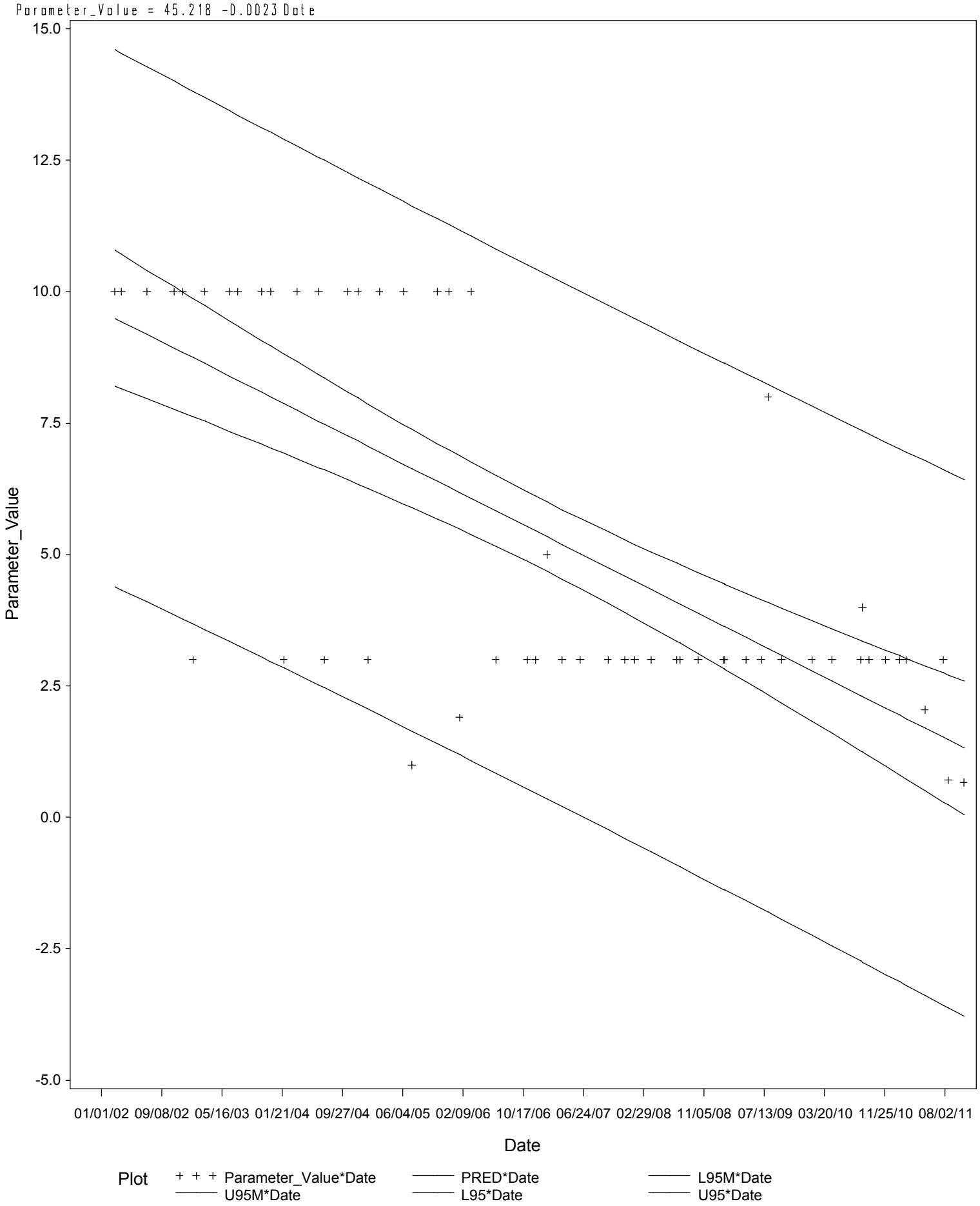
Rio Grande Below Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=13202



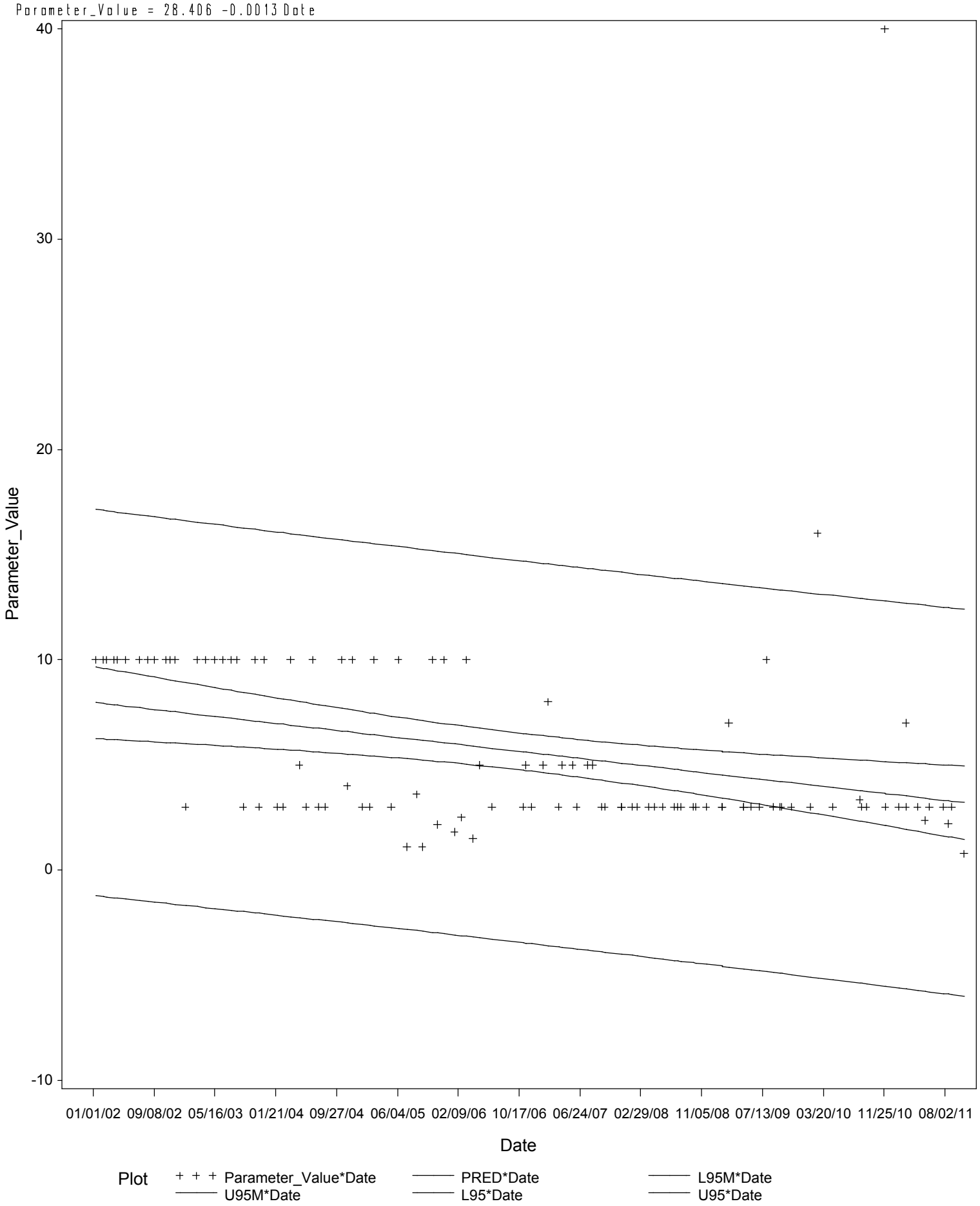
Rio Grande Below Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=13208



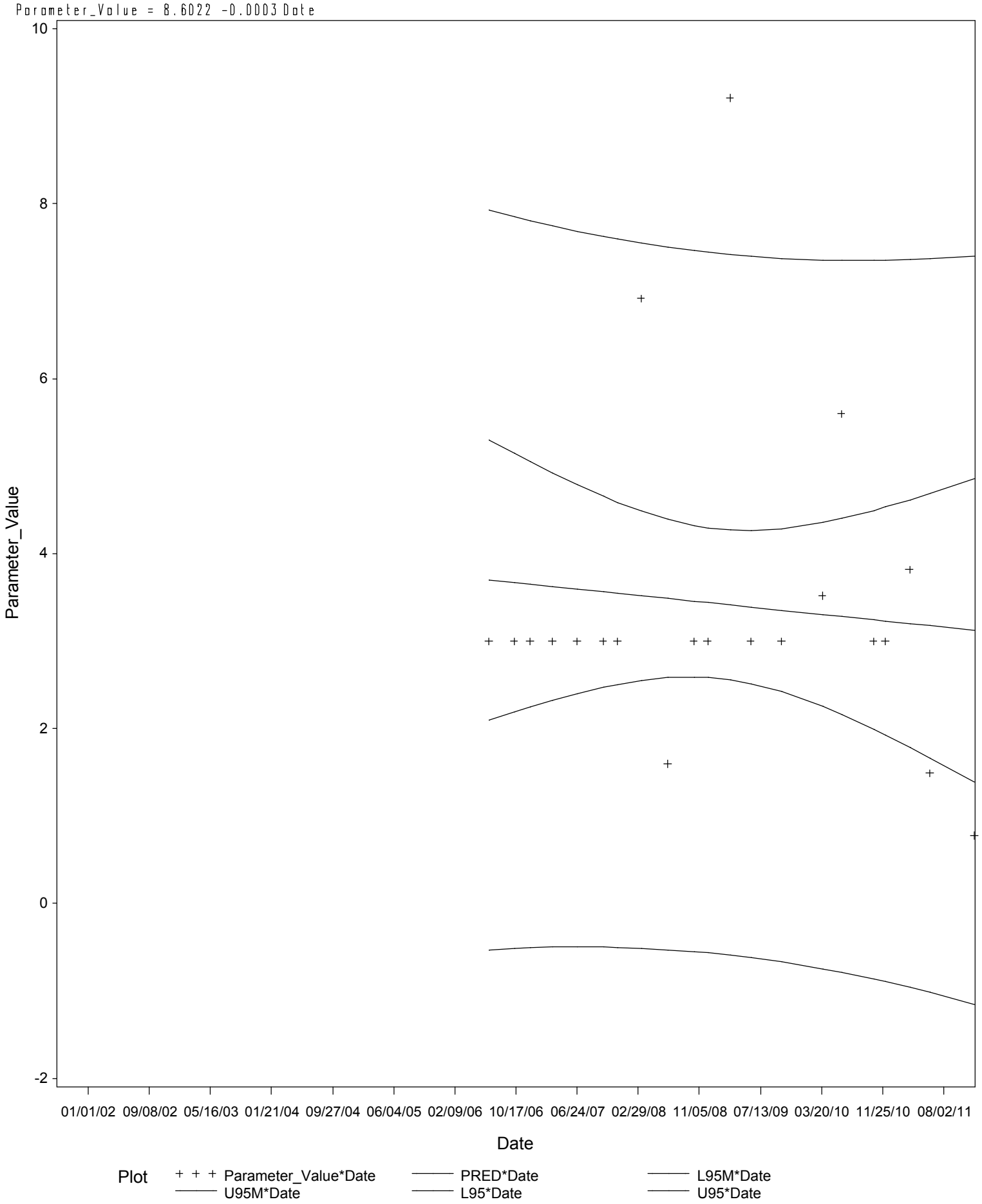
Rio Grande Below Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=13560



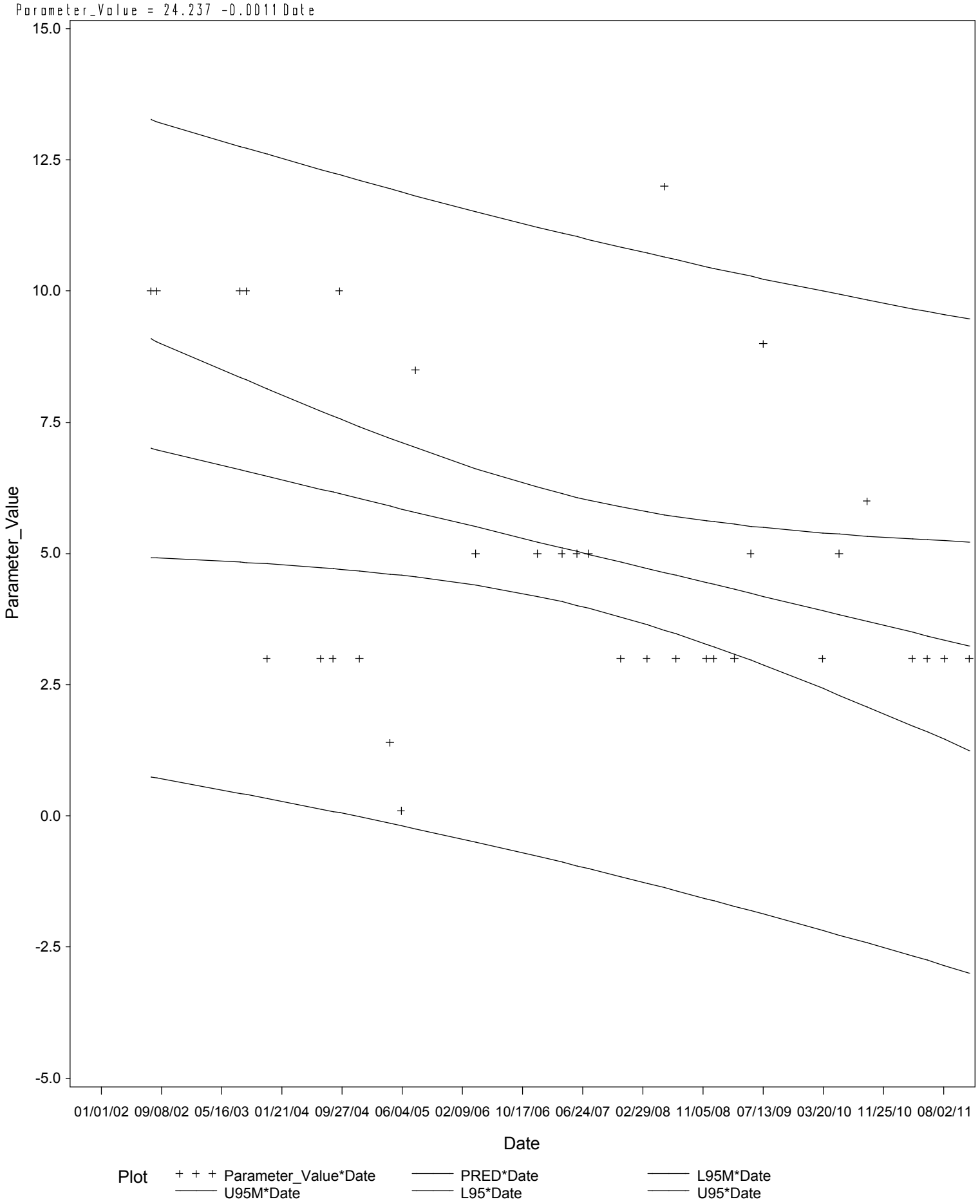
Rio Grande Below Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=15274



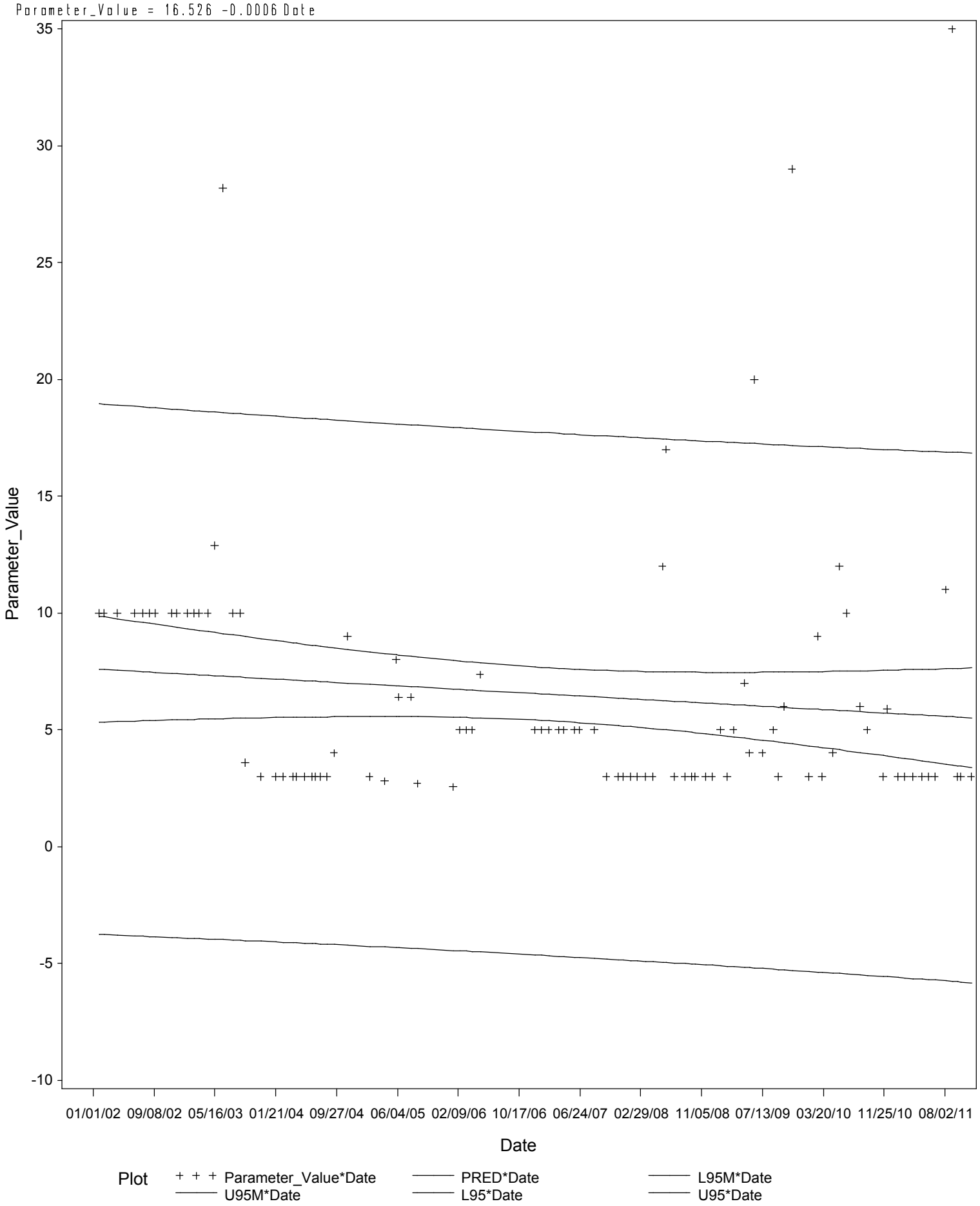
Rio Grande Below Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=15814



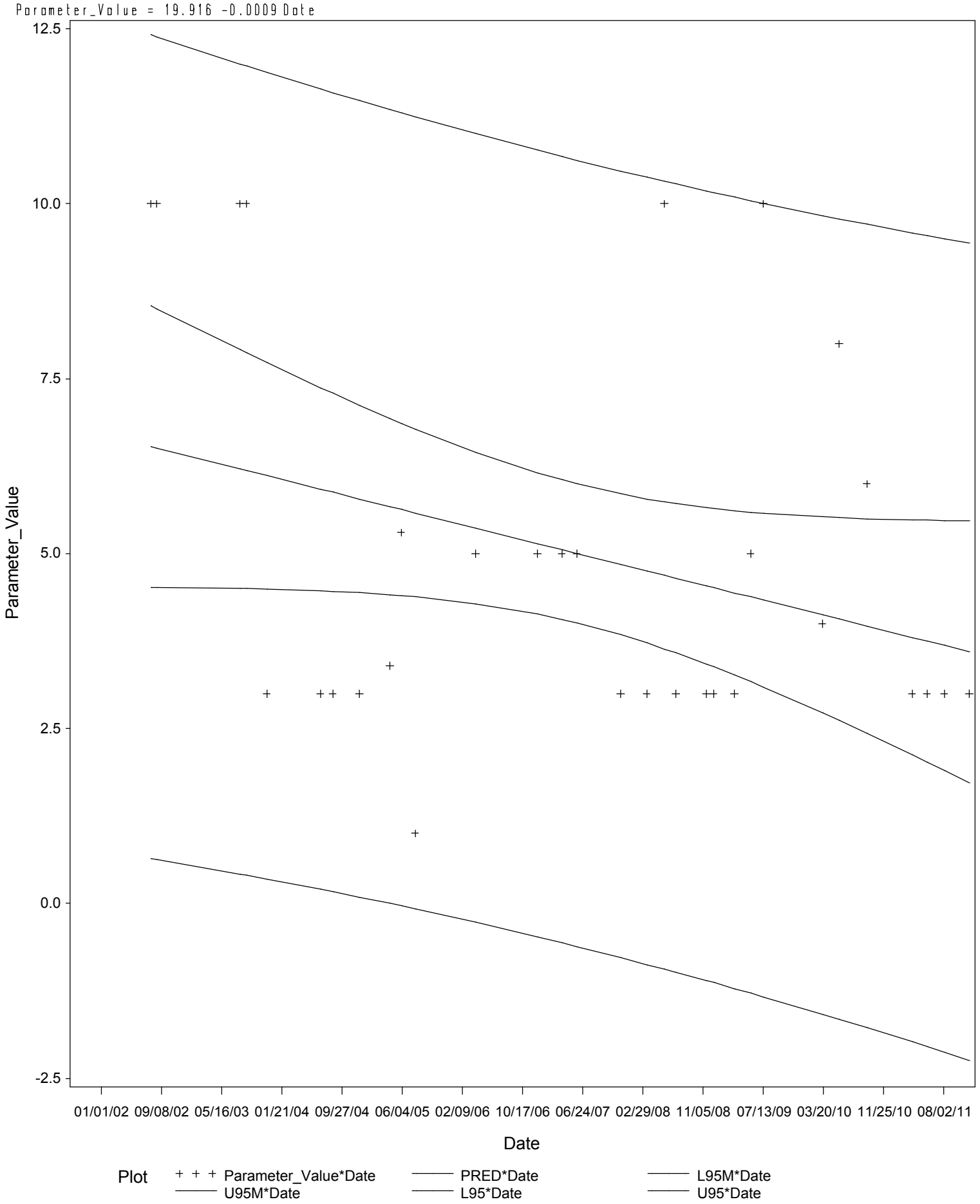
Rio Grande Below Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=15817



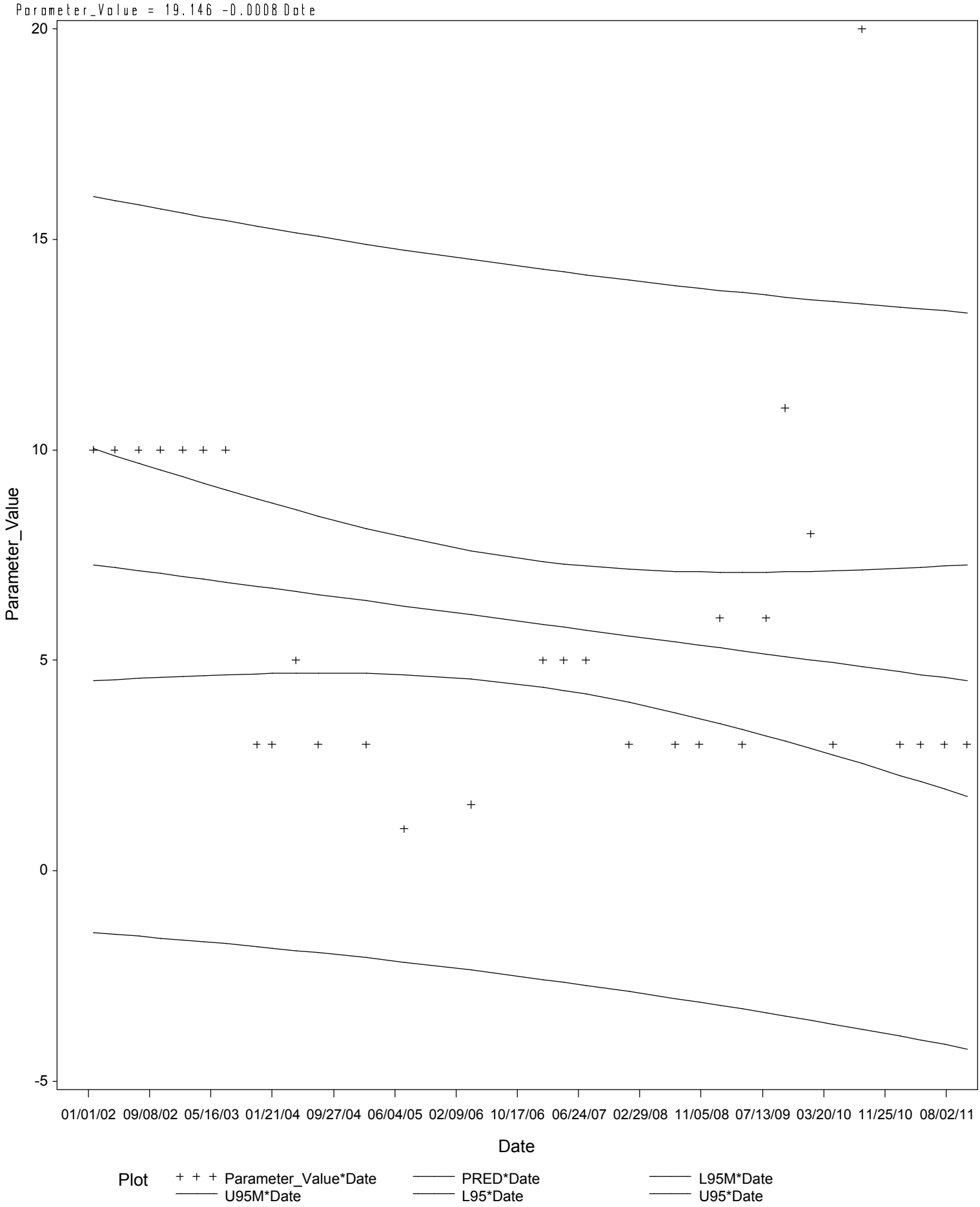
Rio Grande Below Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=17410



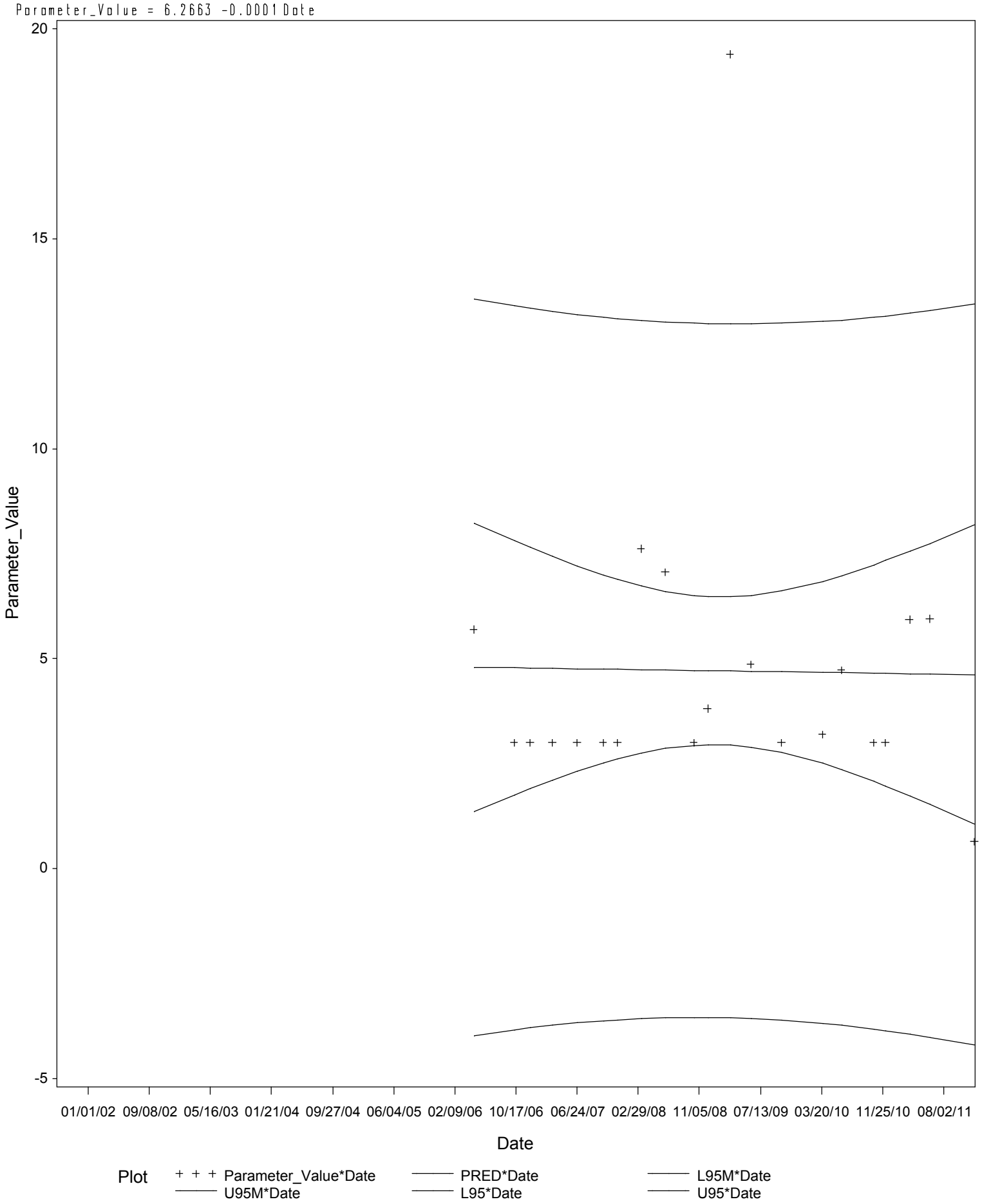
Rio Grande Below Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=17596



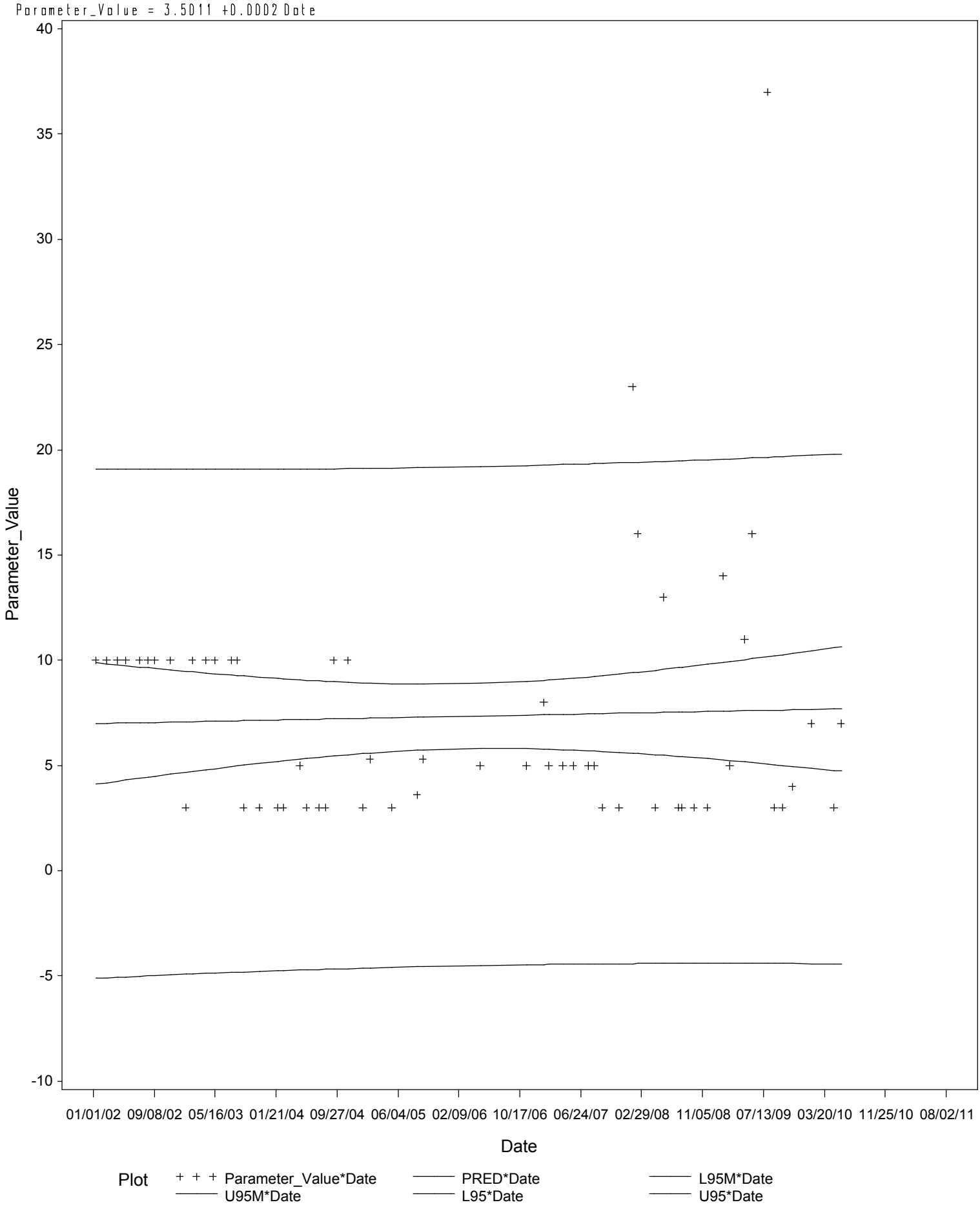
Rio Grande Below Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=18792



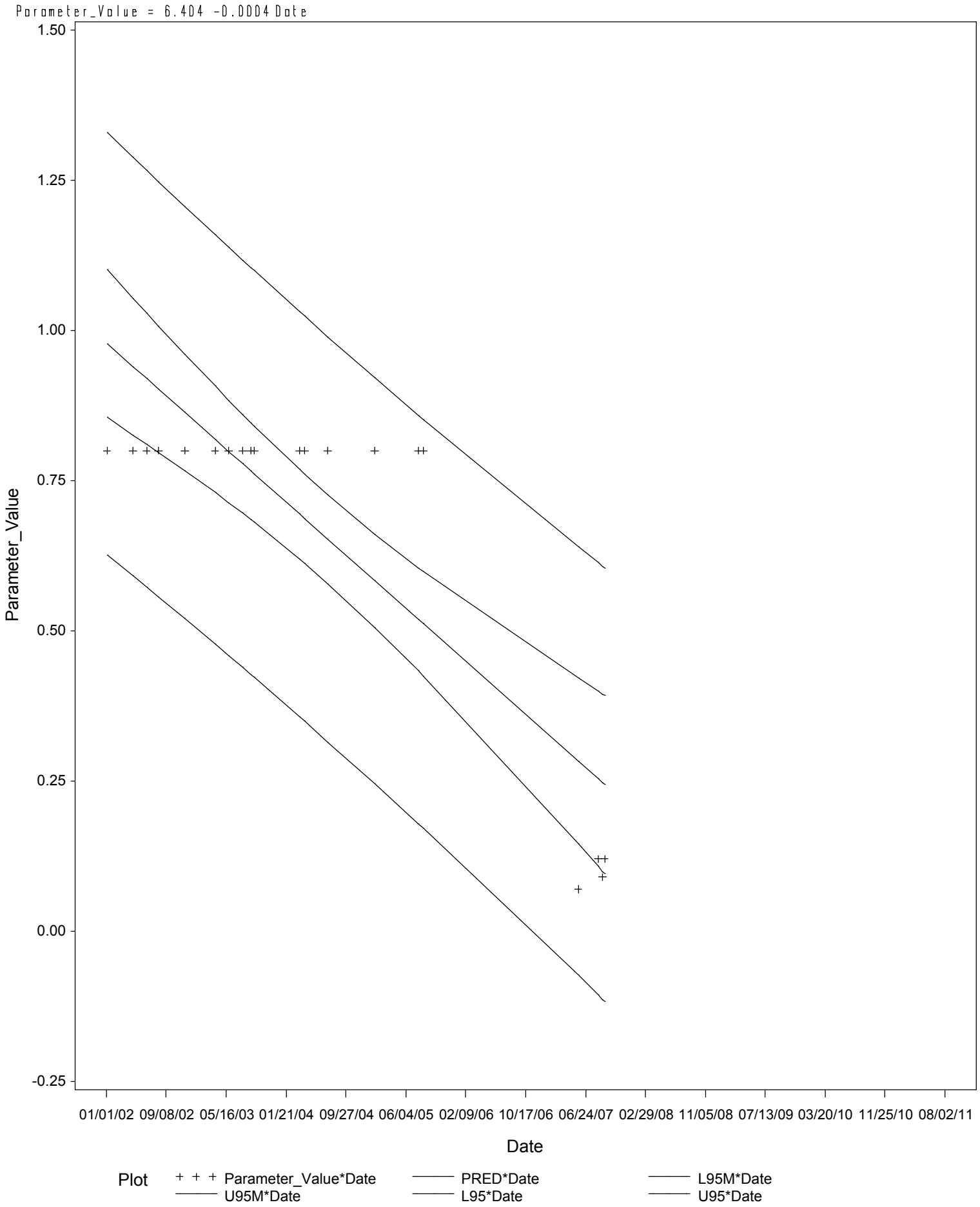
Rio Grande Below Amistad Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=18795



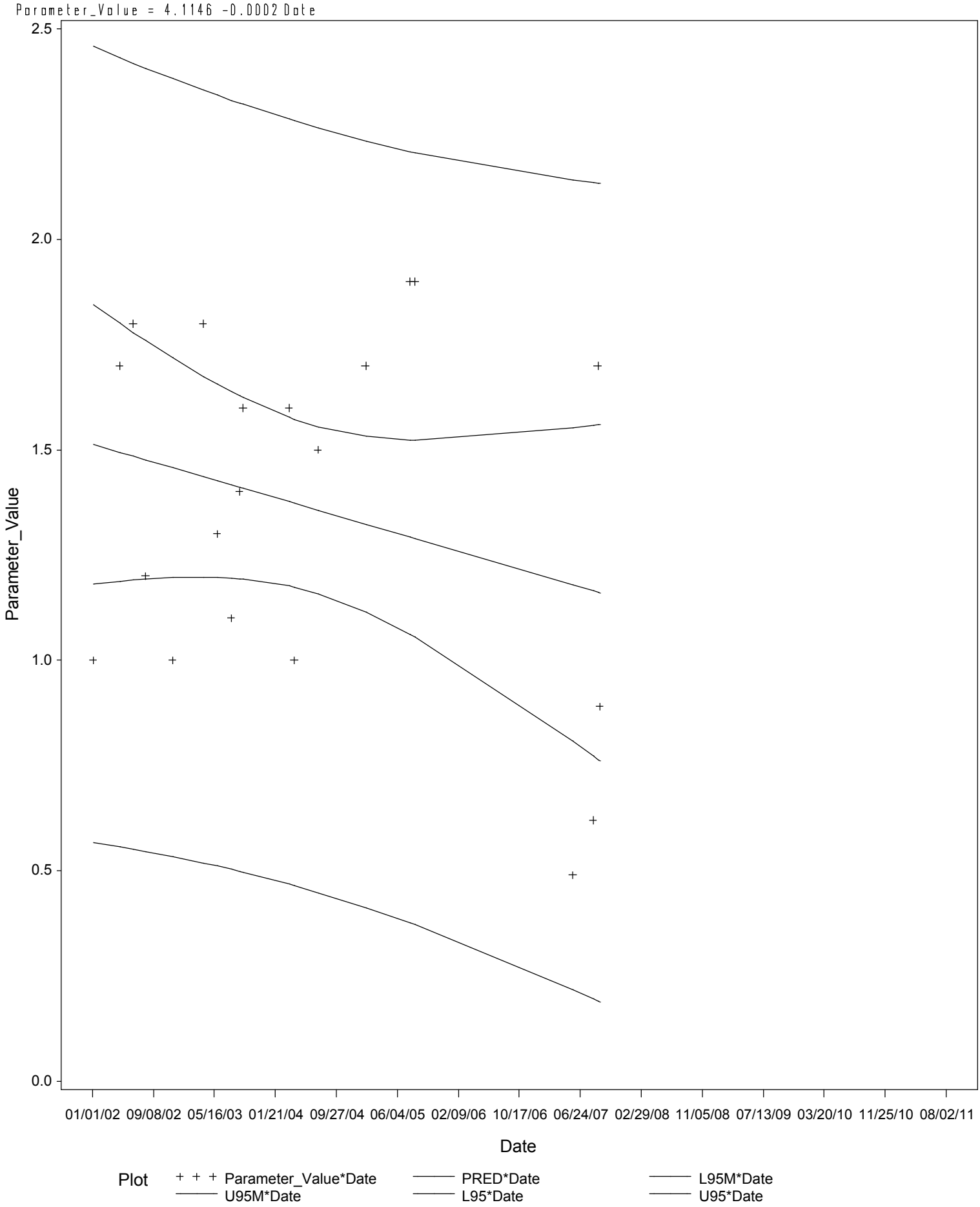
Rio Grande Below Amistad Reservoir

Parameter=CHROMIUM, DISSOLVED (UG/L AS CR) Station=13196



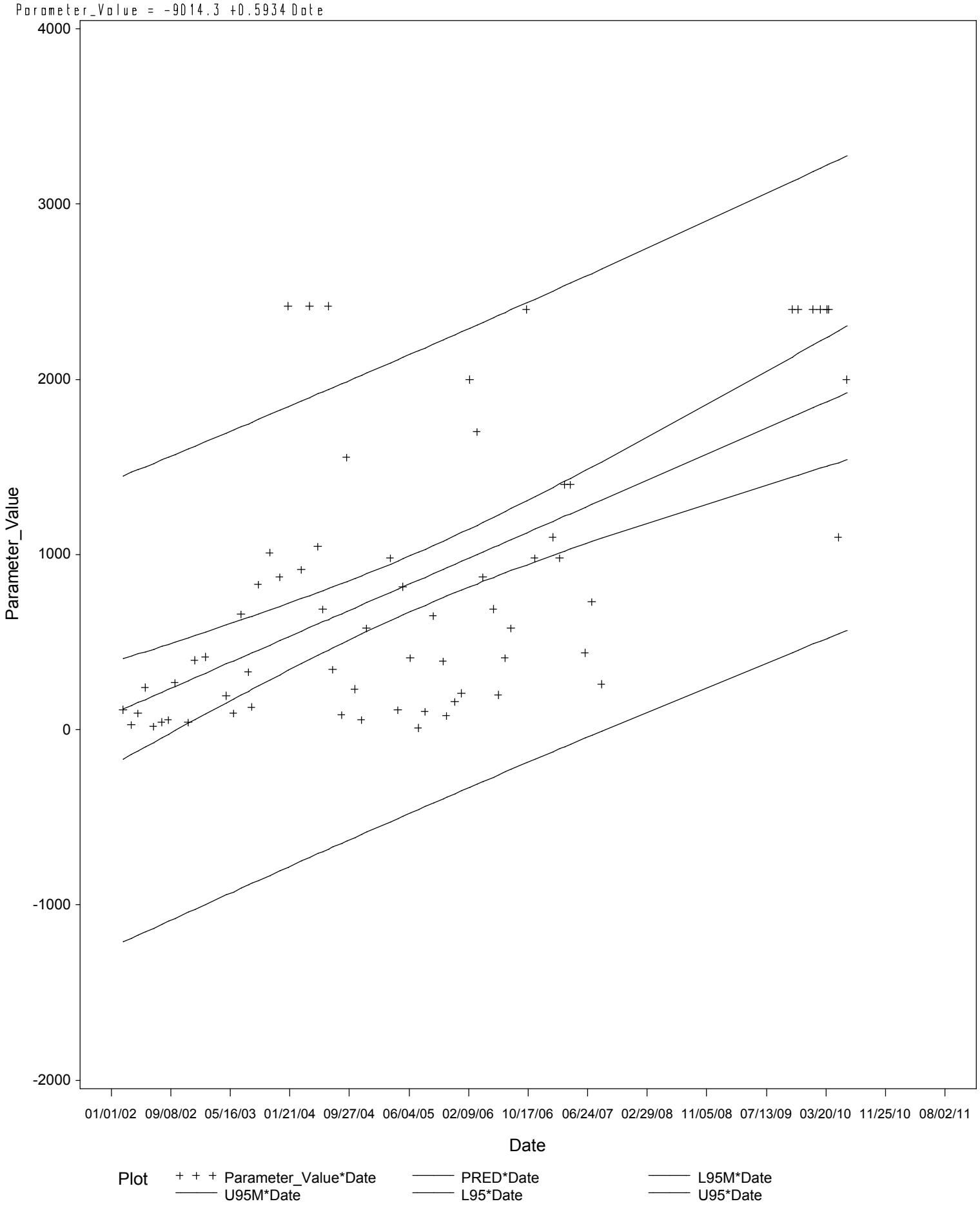
Rio Grande Below Amistad Reservoir

Parameter=COPPER, DISSOLVED (UG/L AS CU) Station=13196



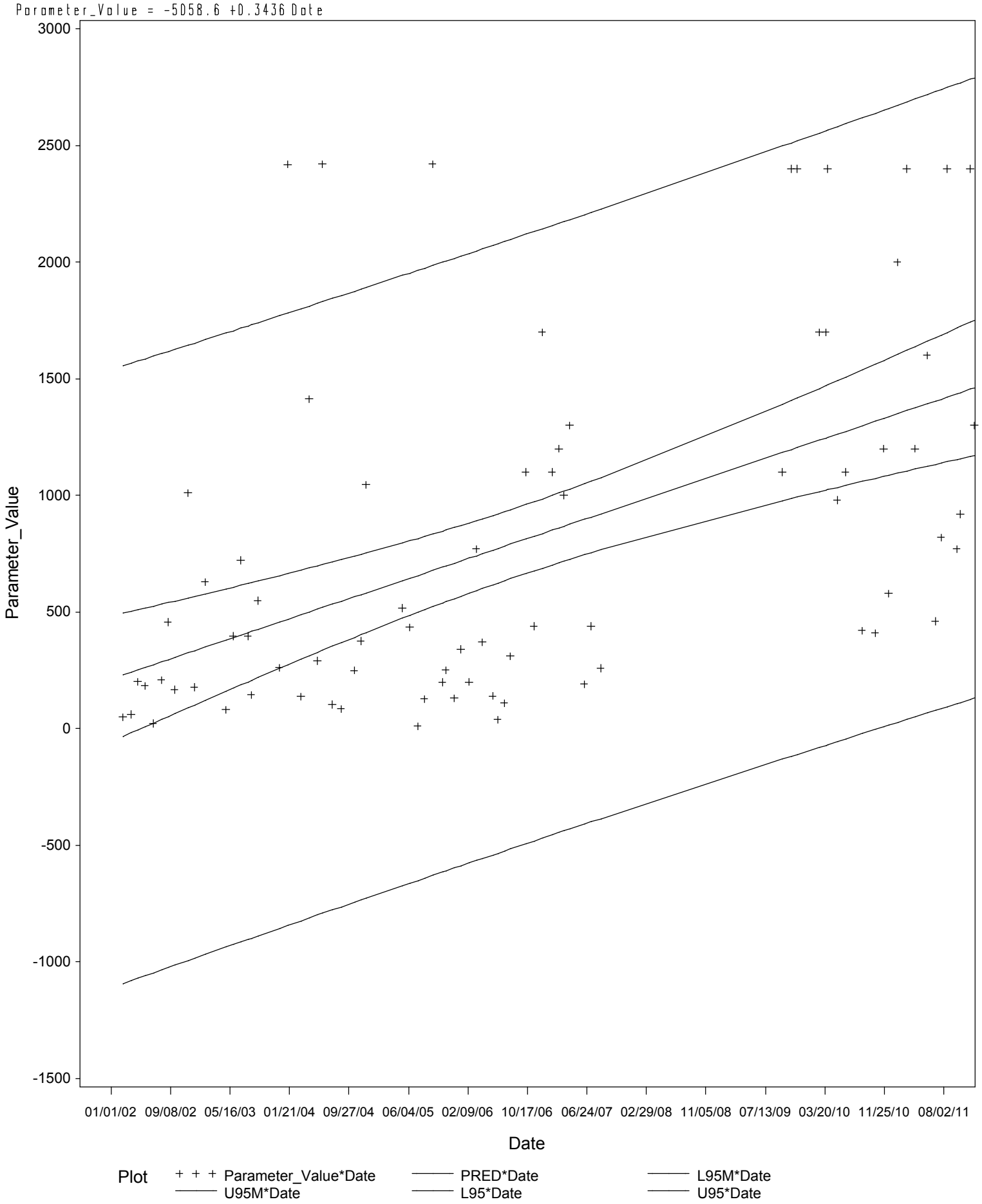
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=13196



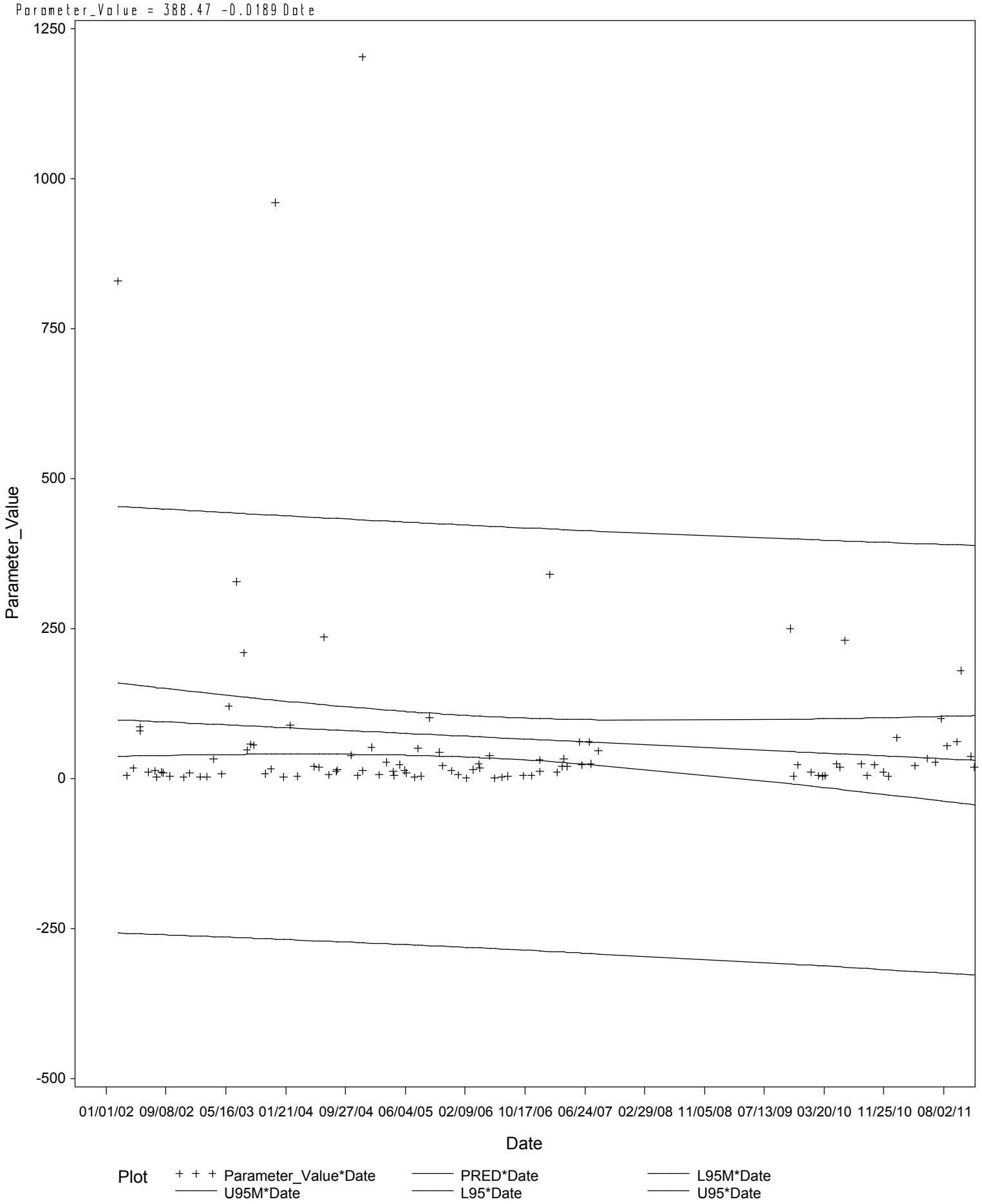
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=13200



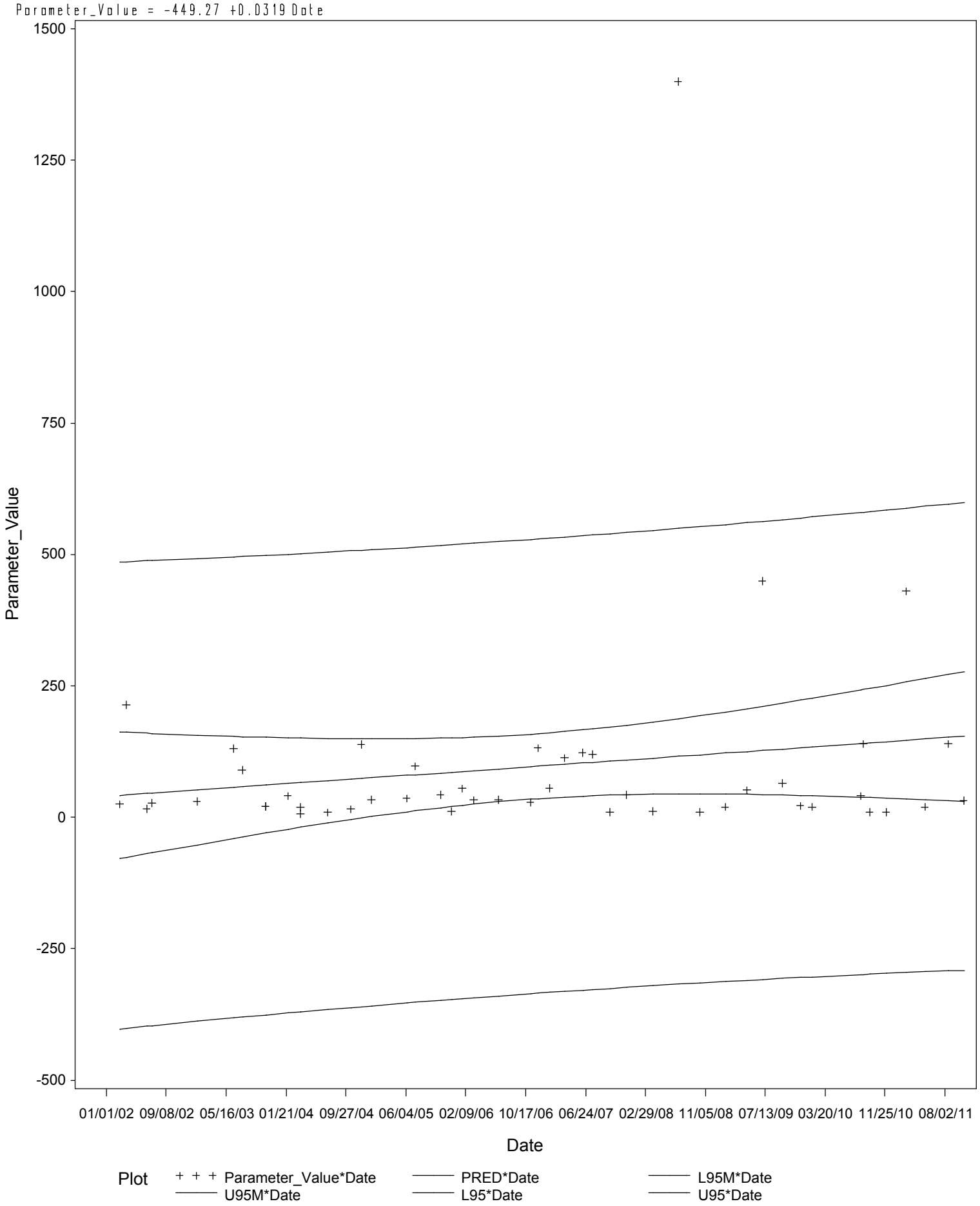
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=13202



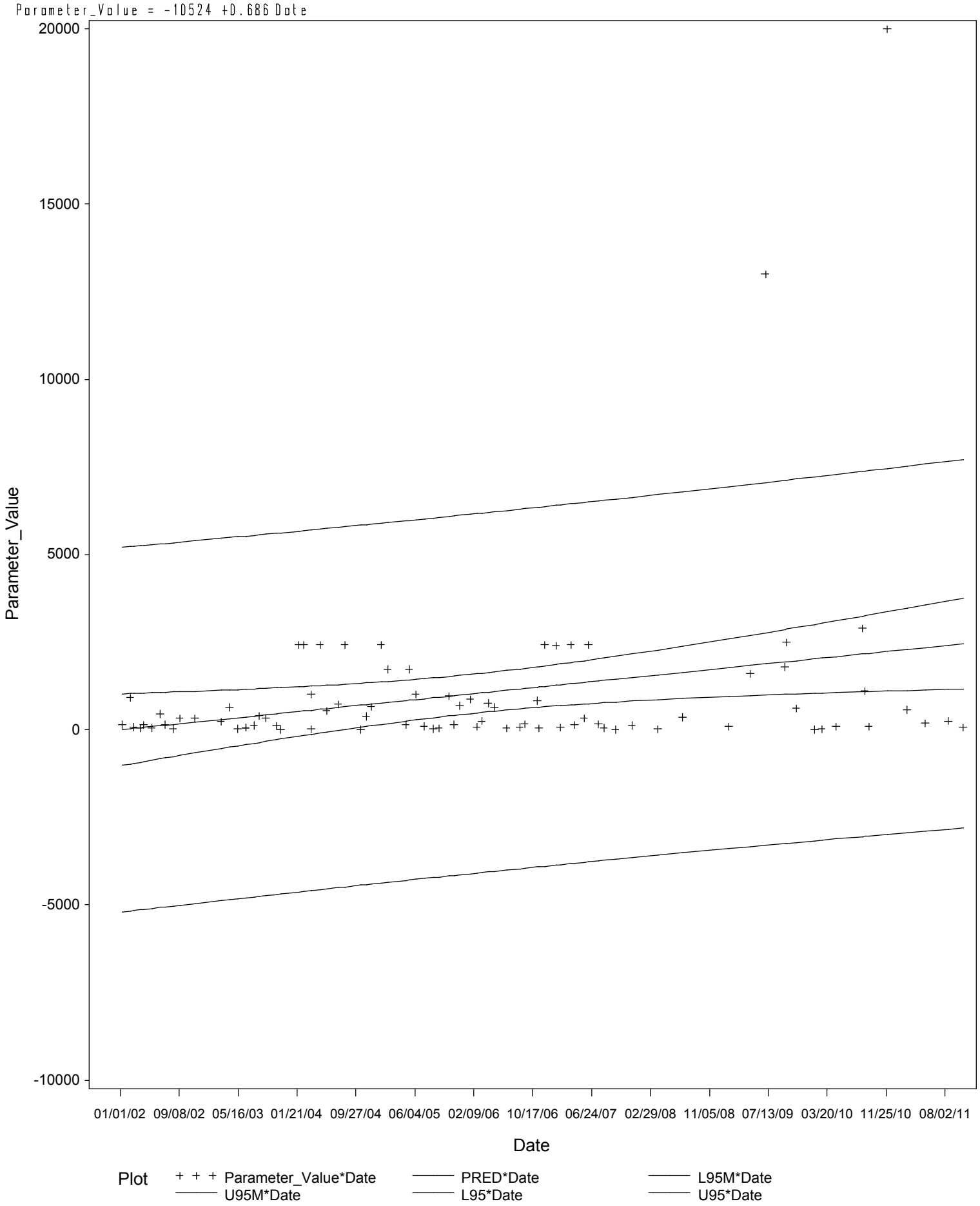
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=13208



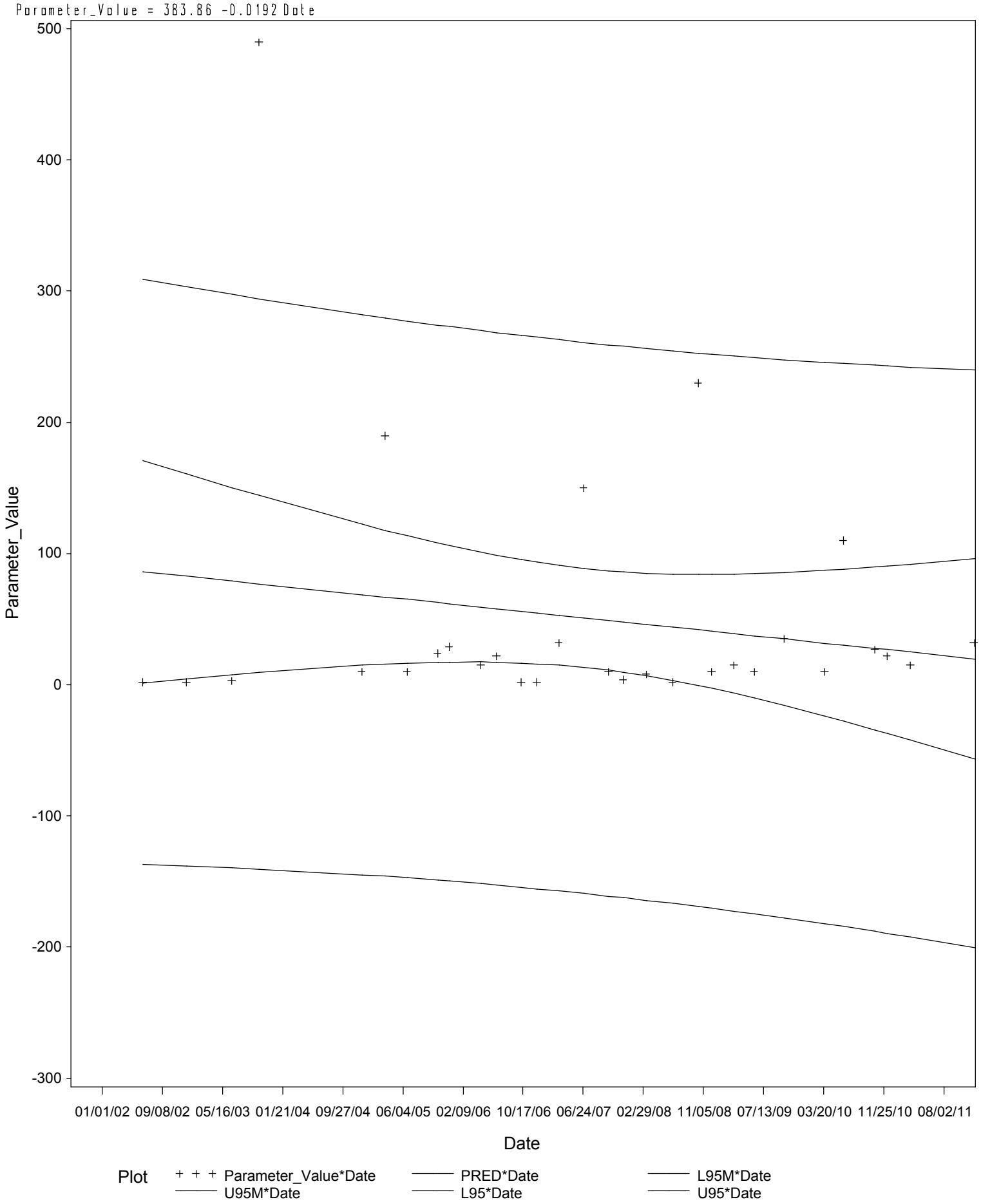
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=13560



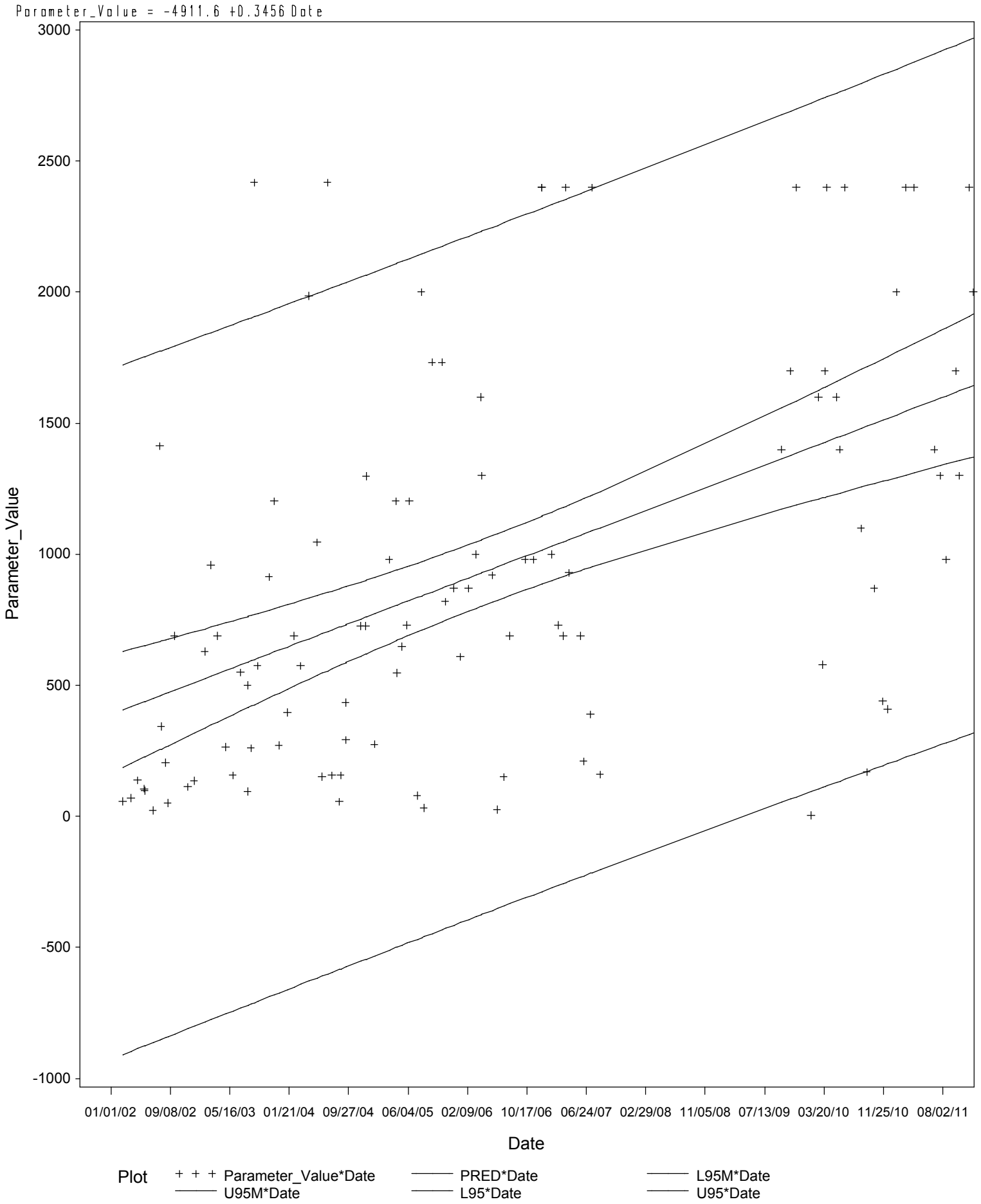
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=15274



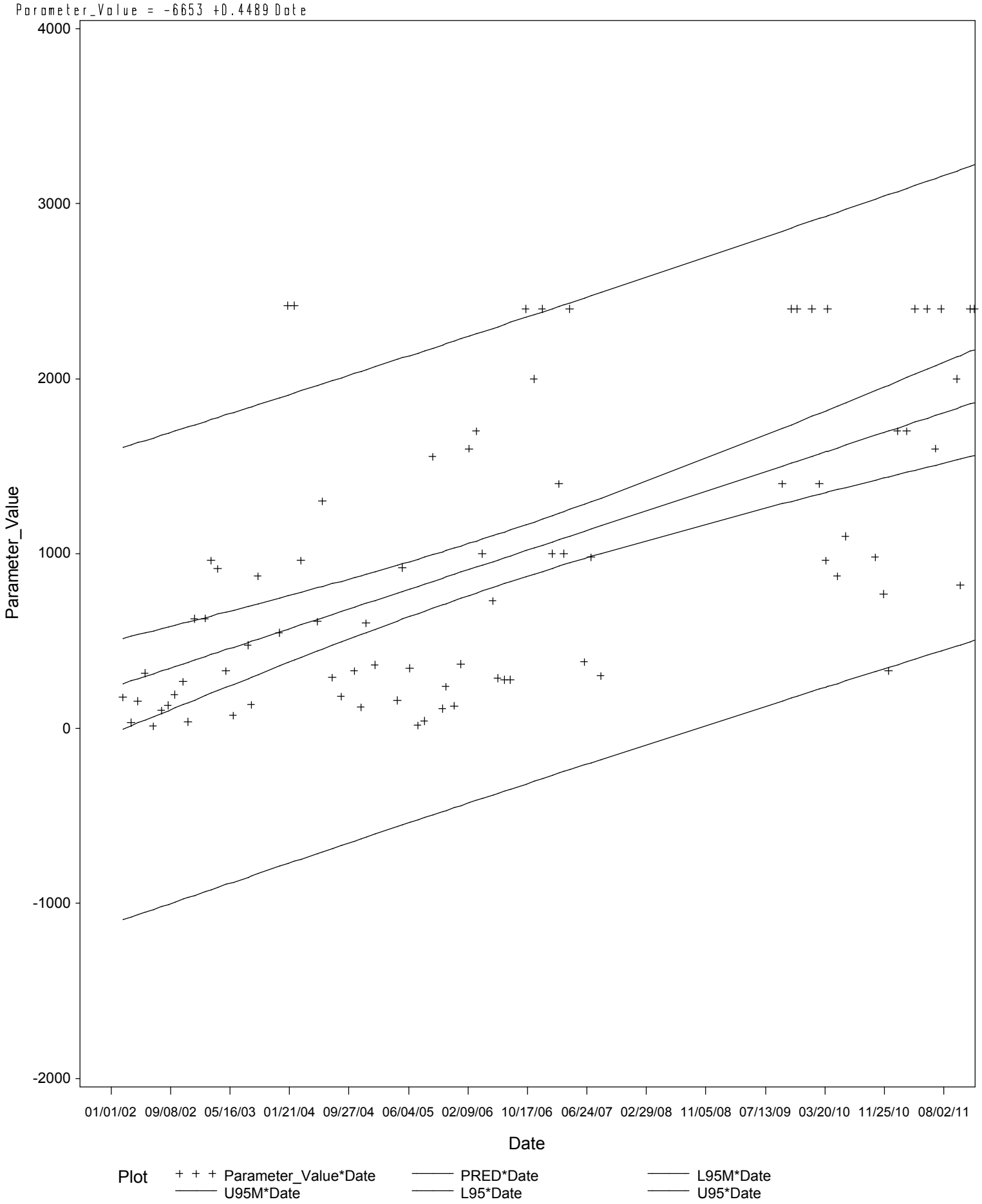
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=15814



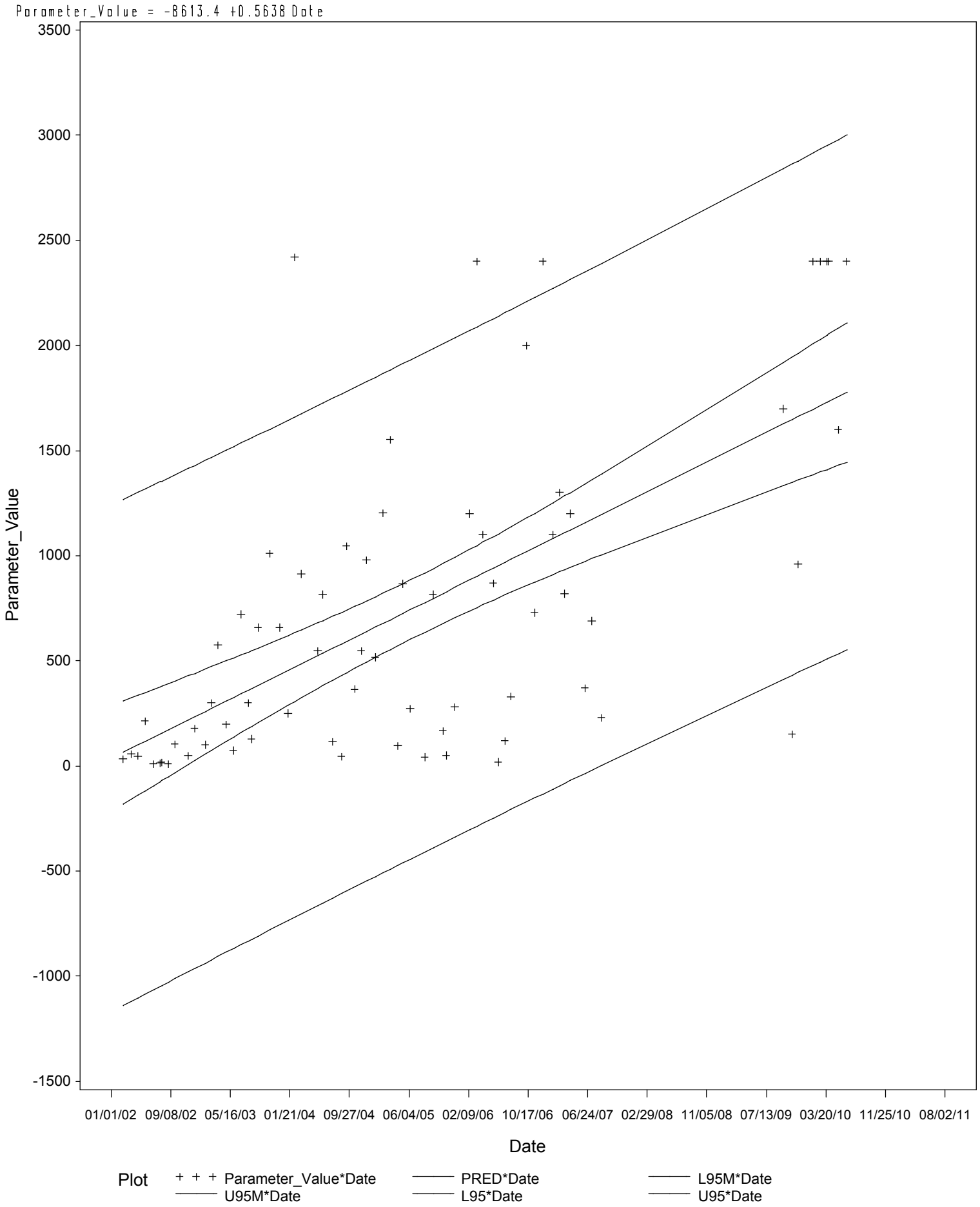
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=15815



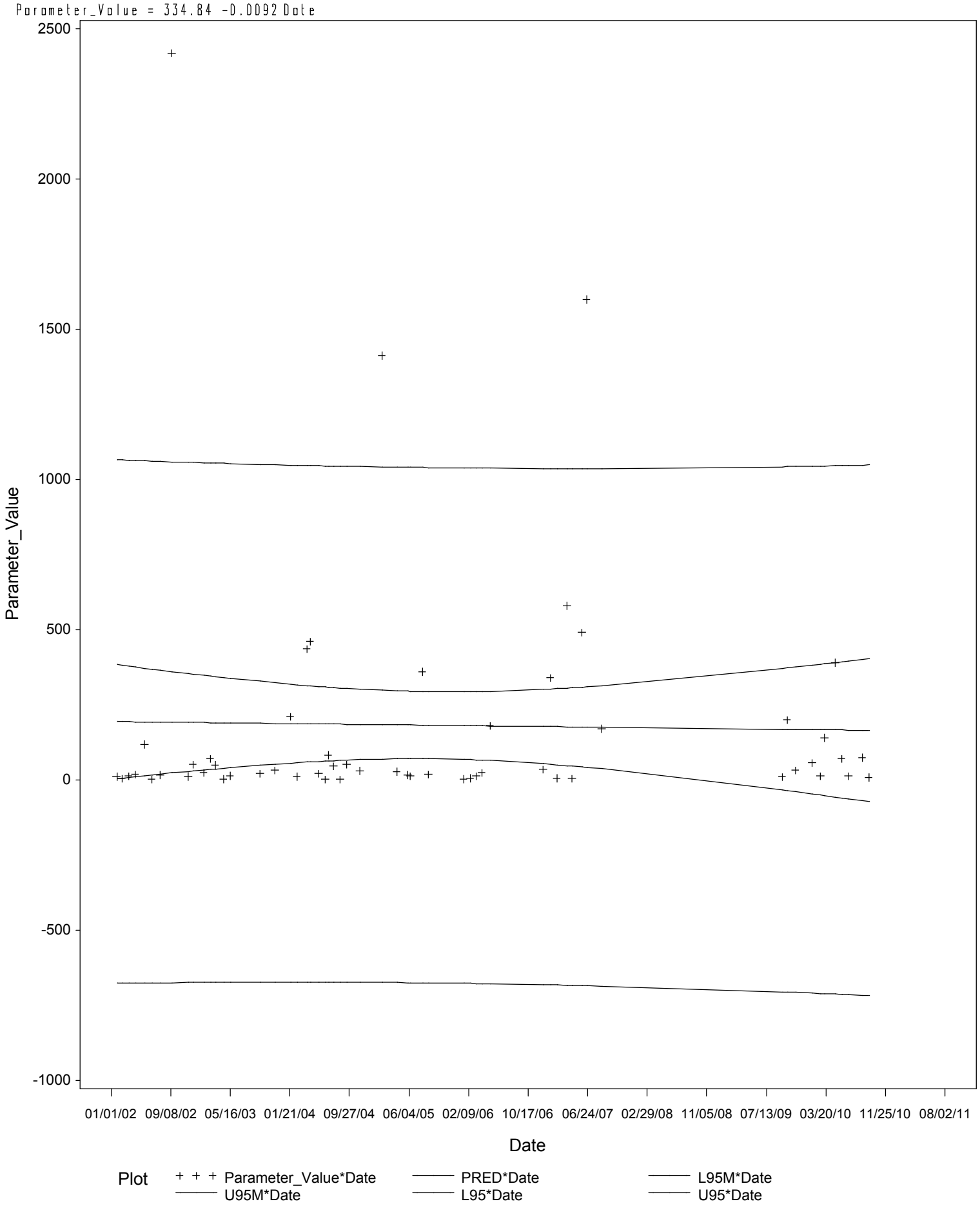
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=15816



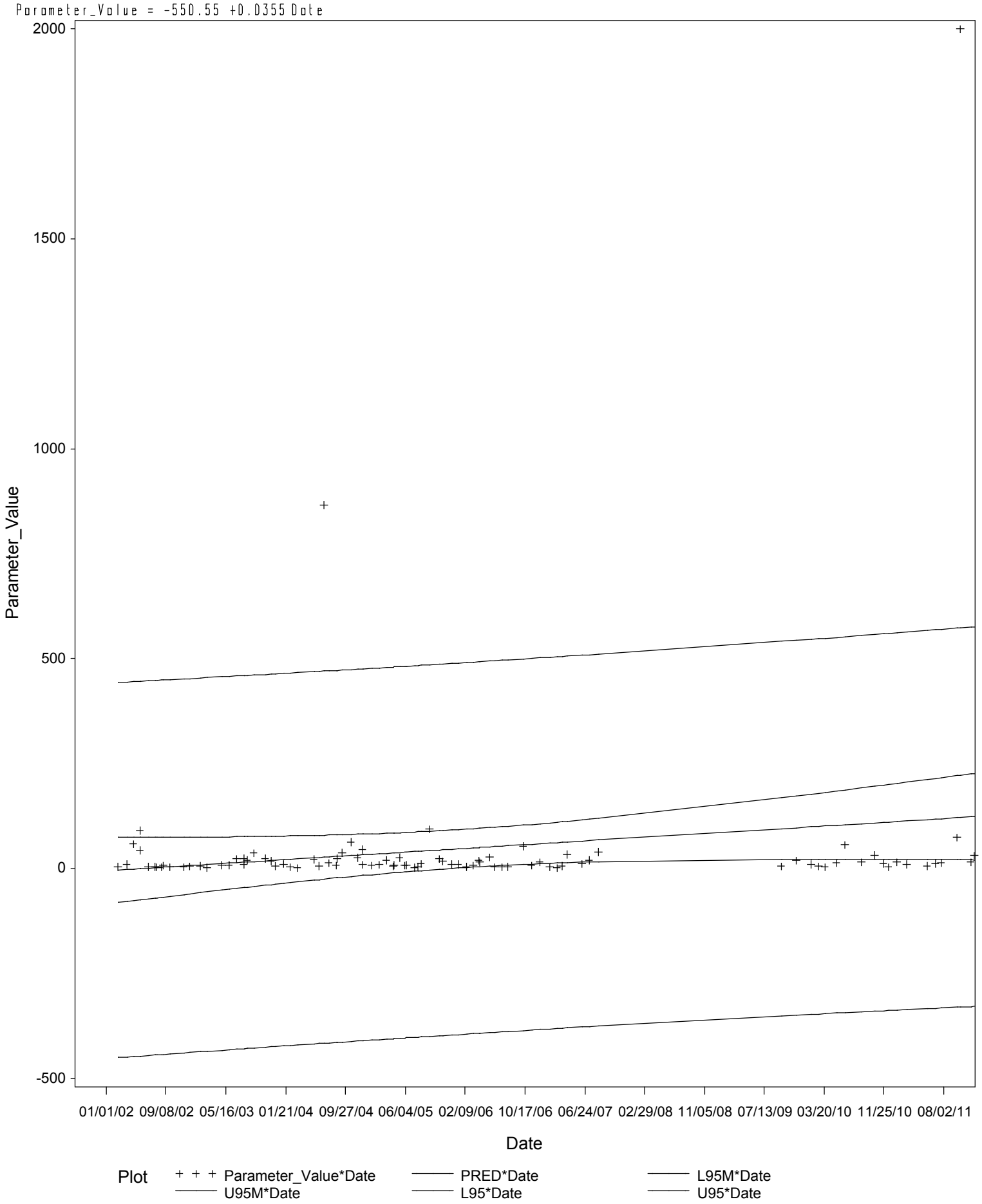
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=15817



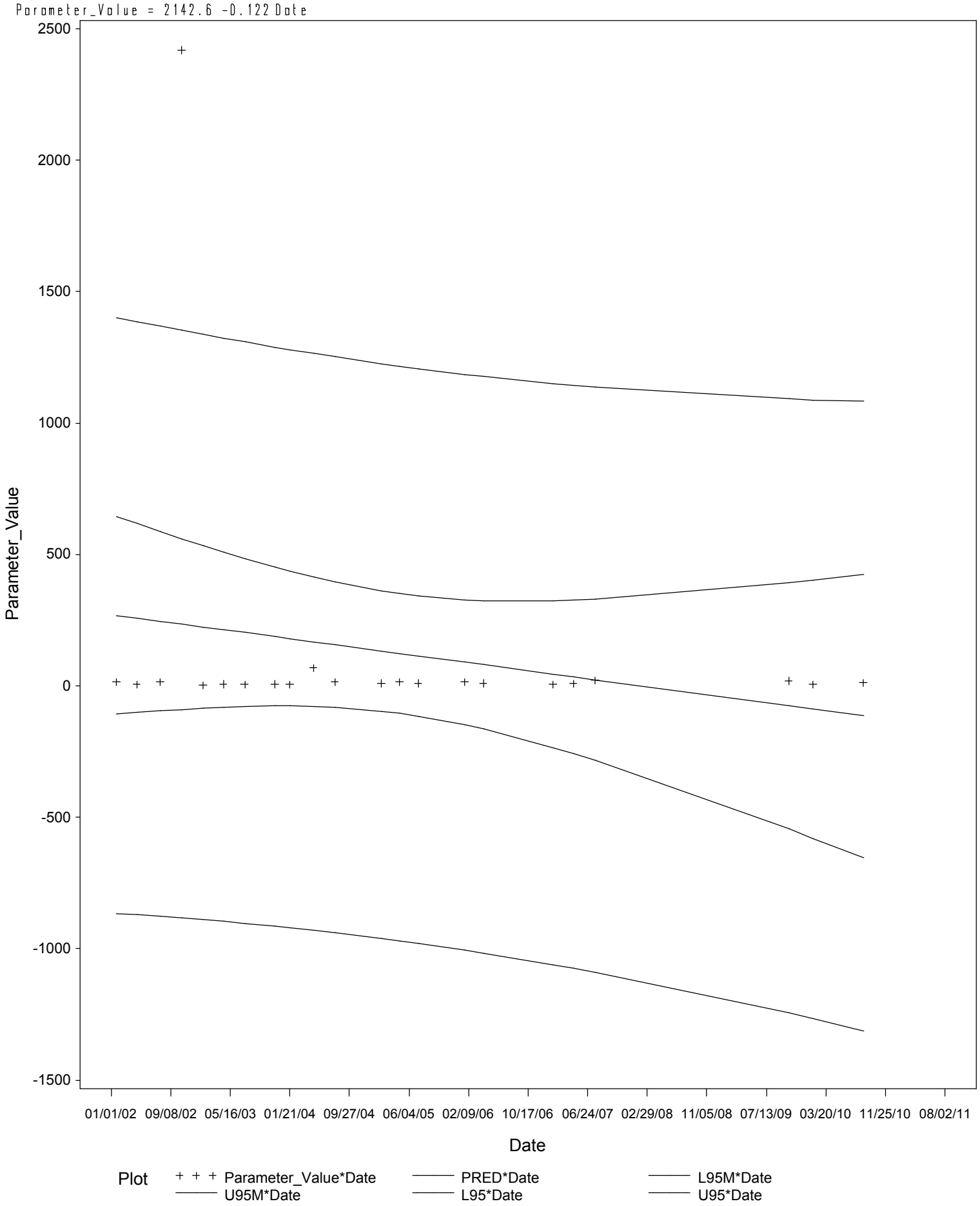
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=15839



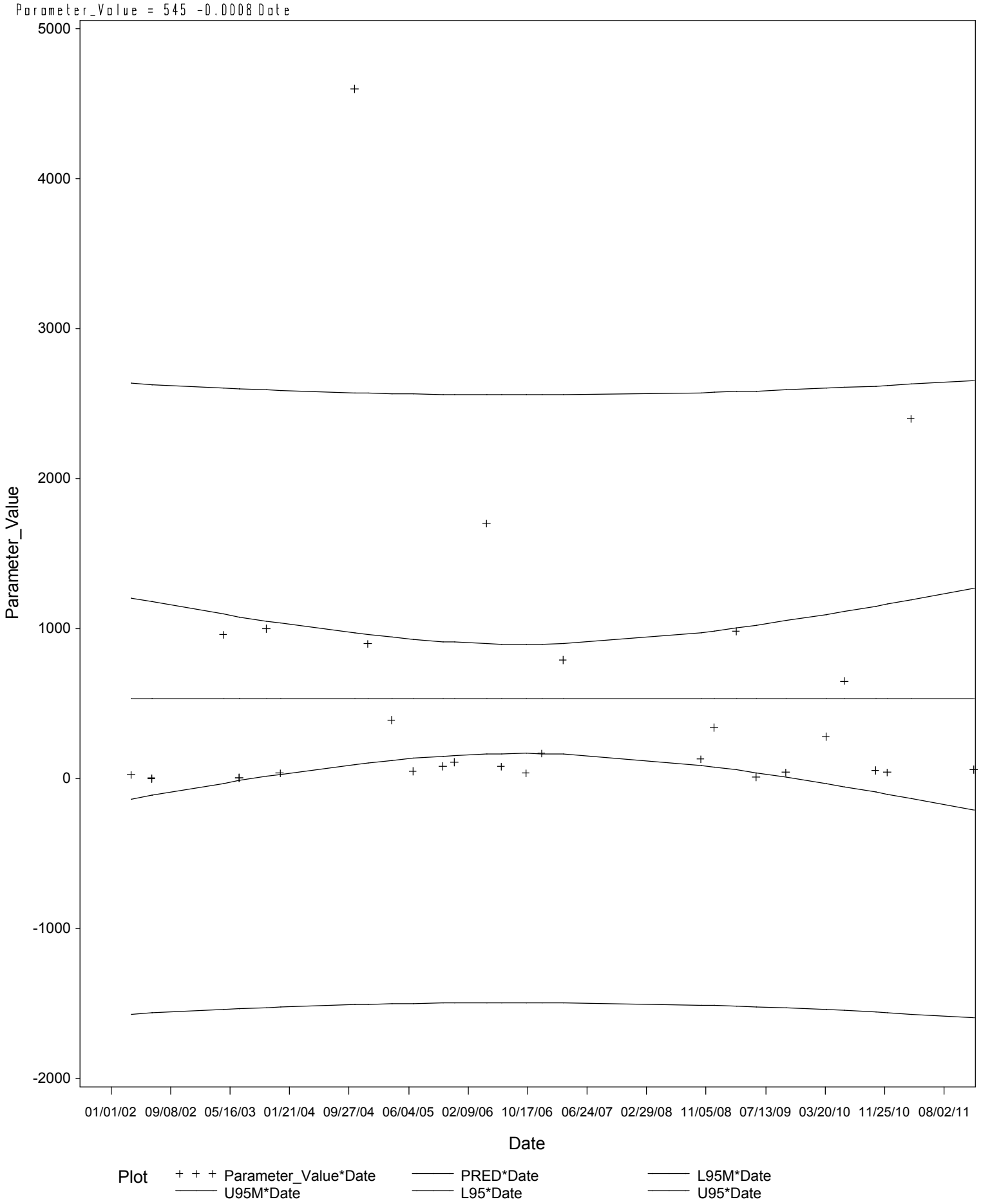
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=17596



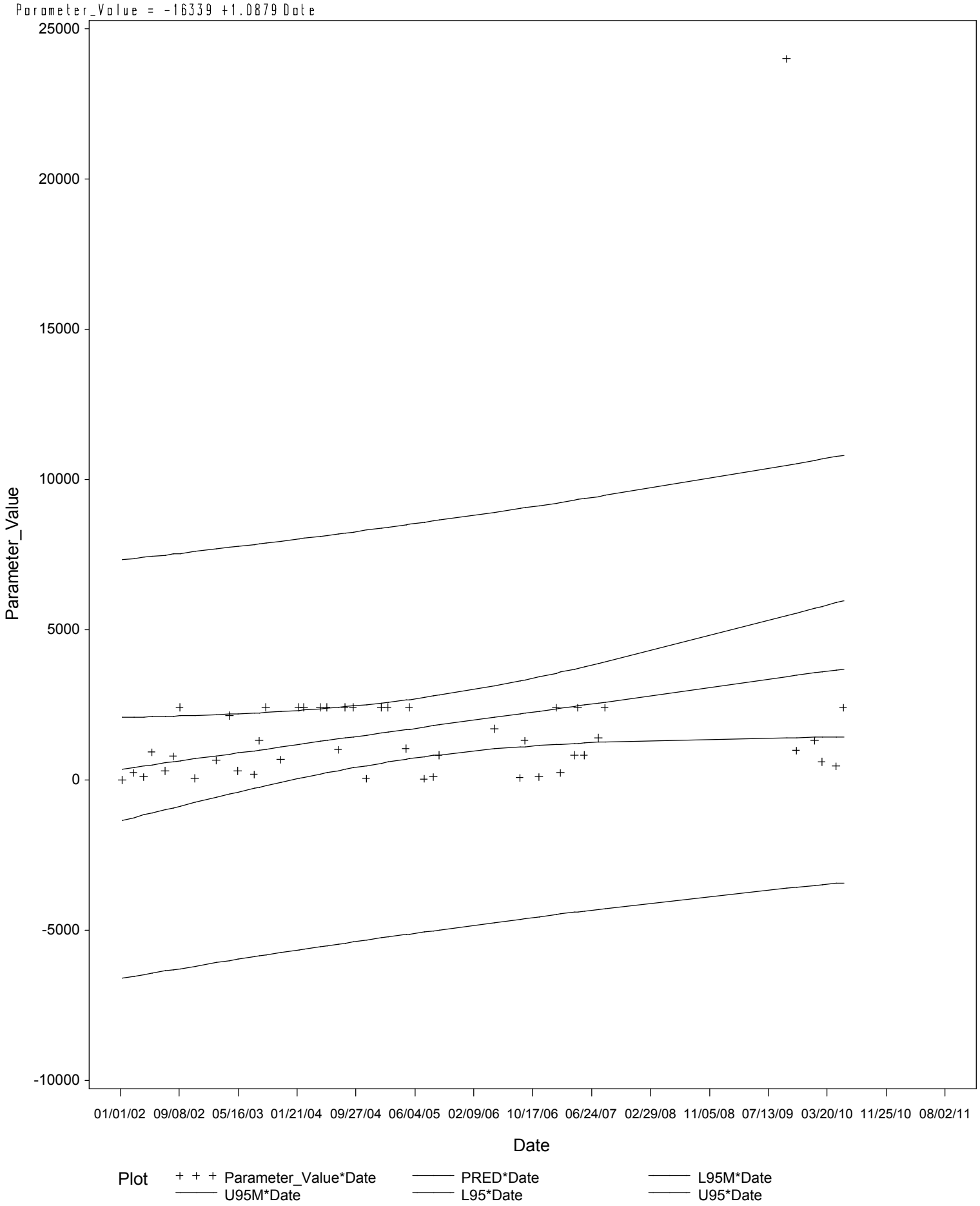
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=18792



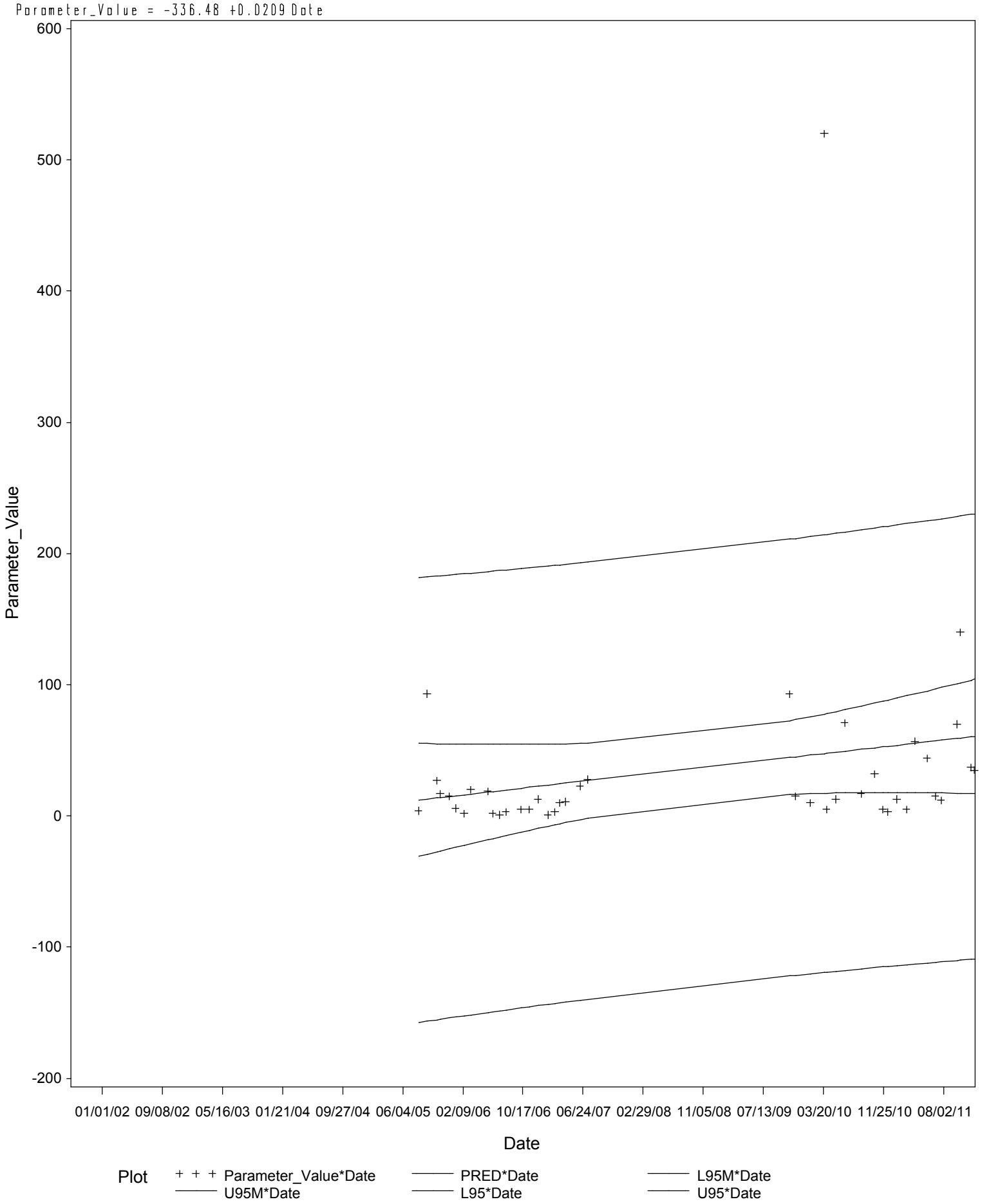
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=18795



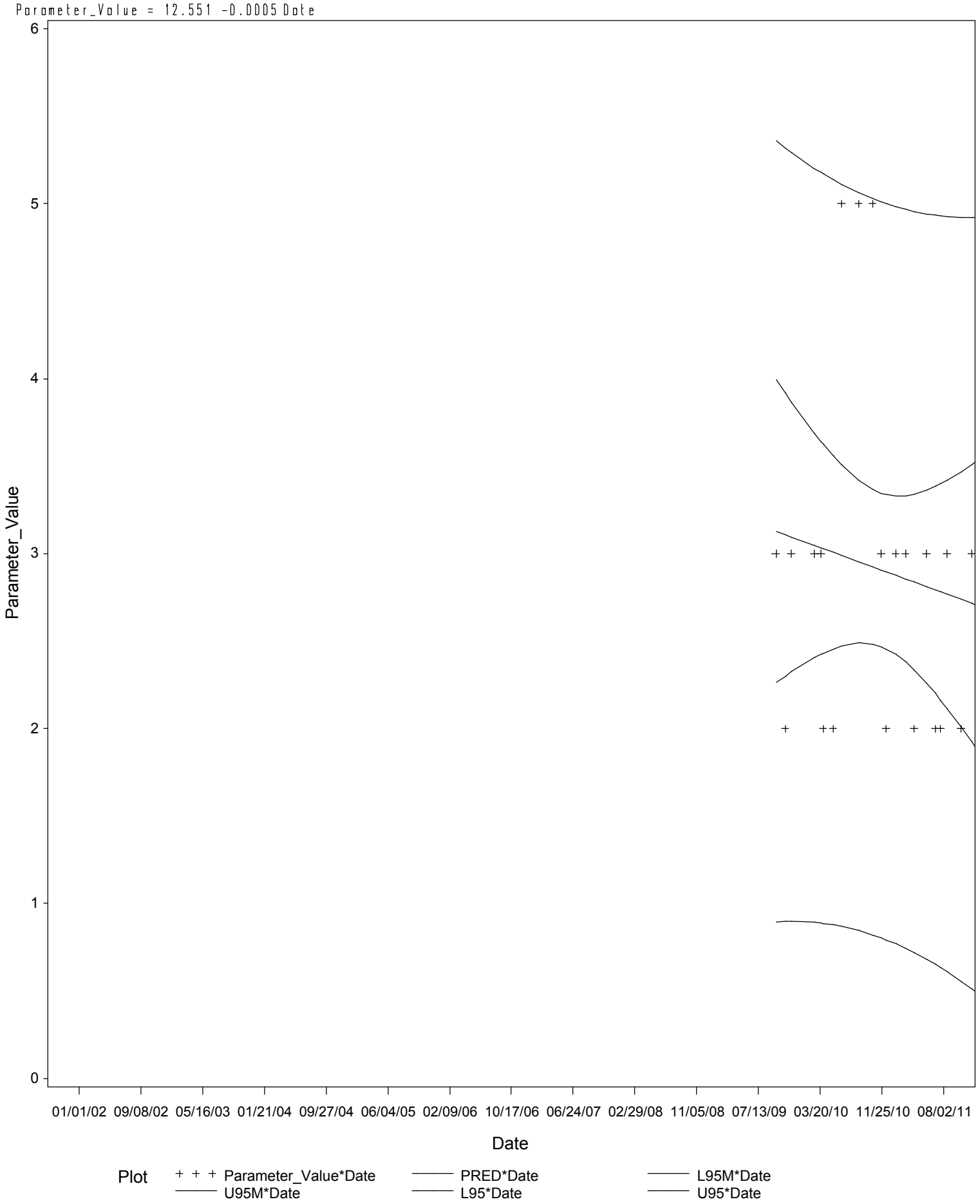
Rio Grande Below Amistad Reservoir

Parameter=E. COLI, MPN/100ML Station=20650



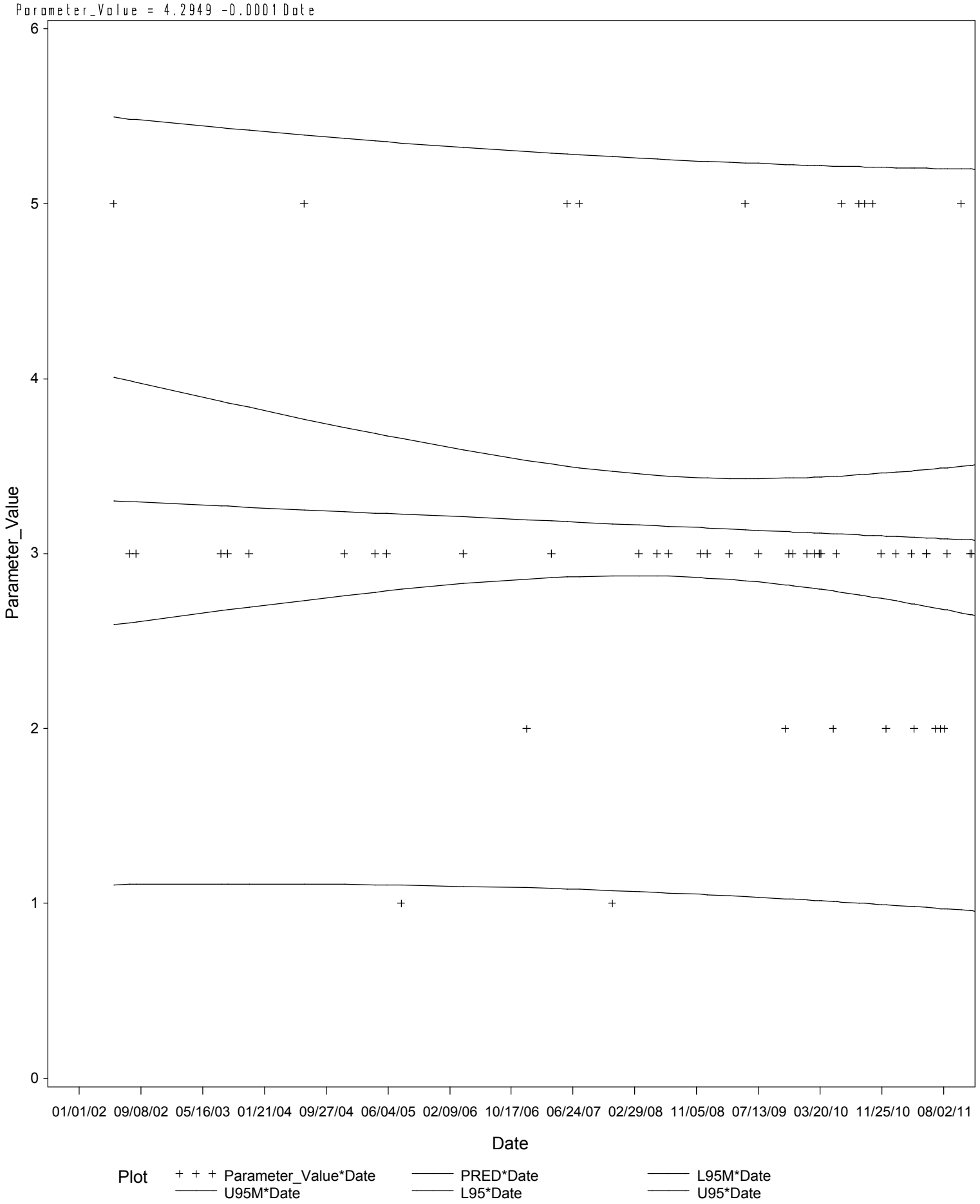
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13200



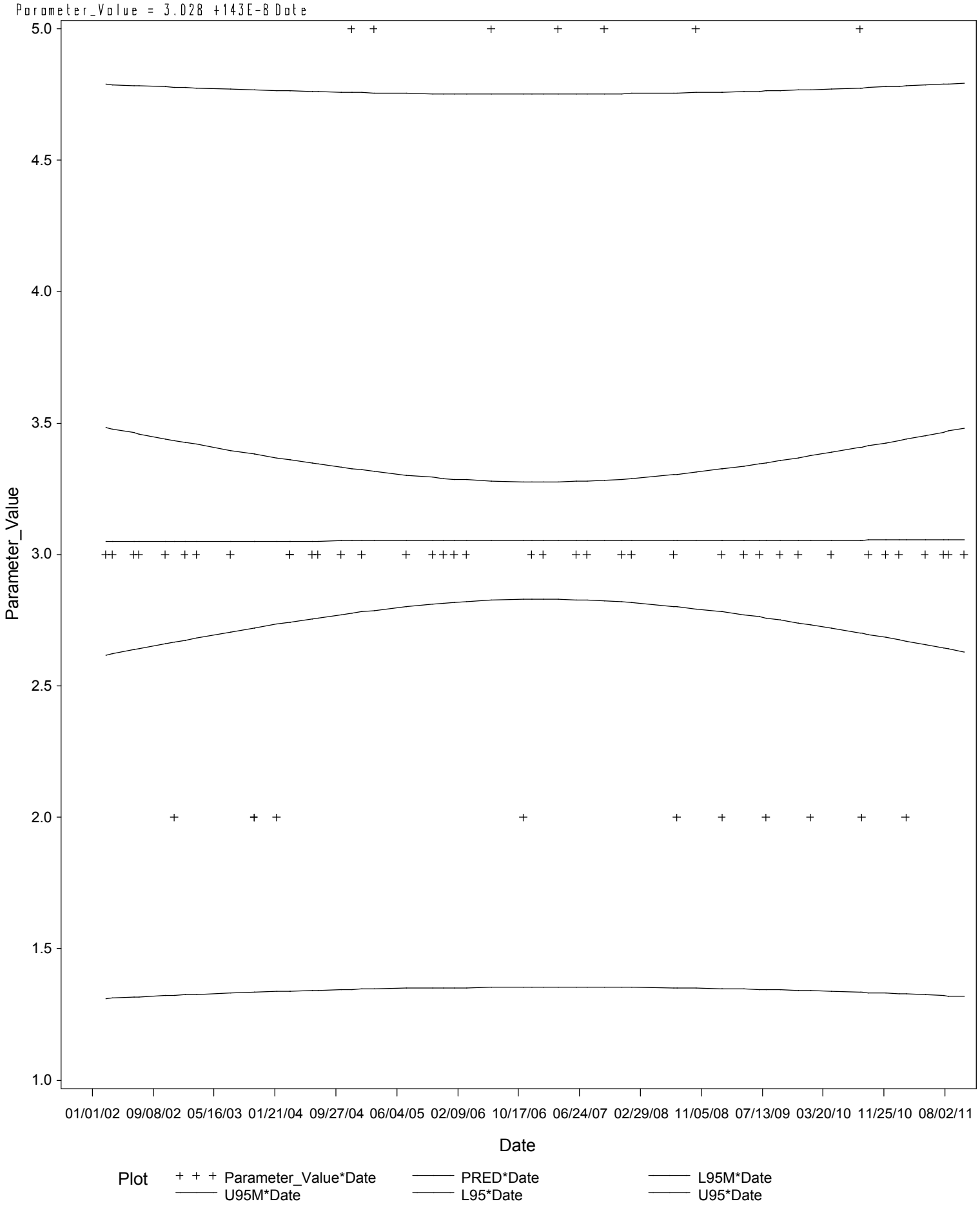
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13202



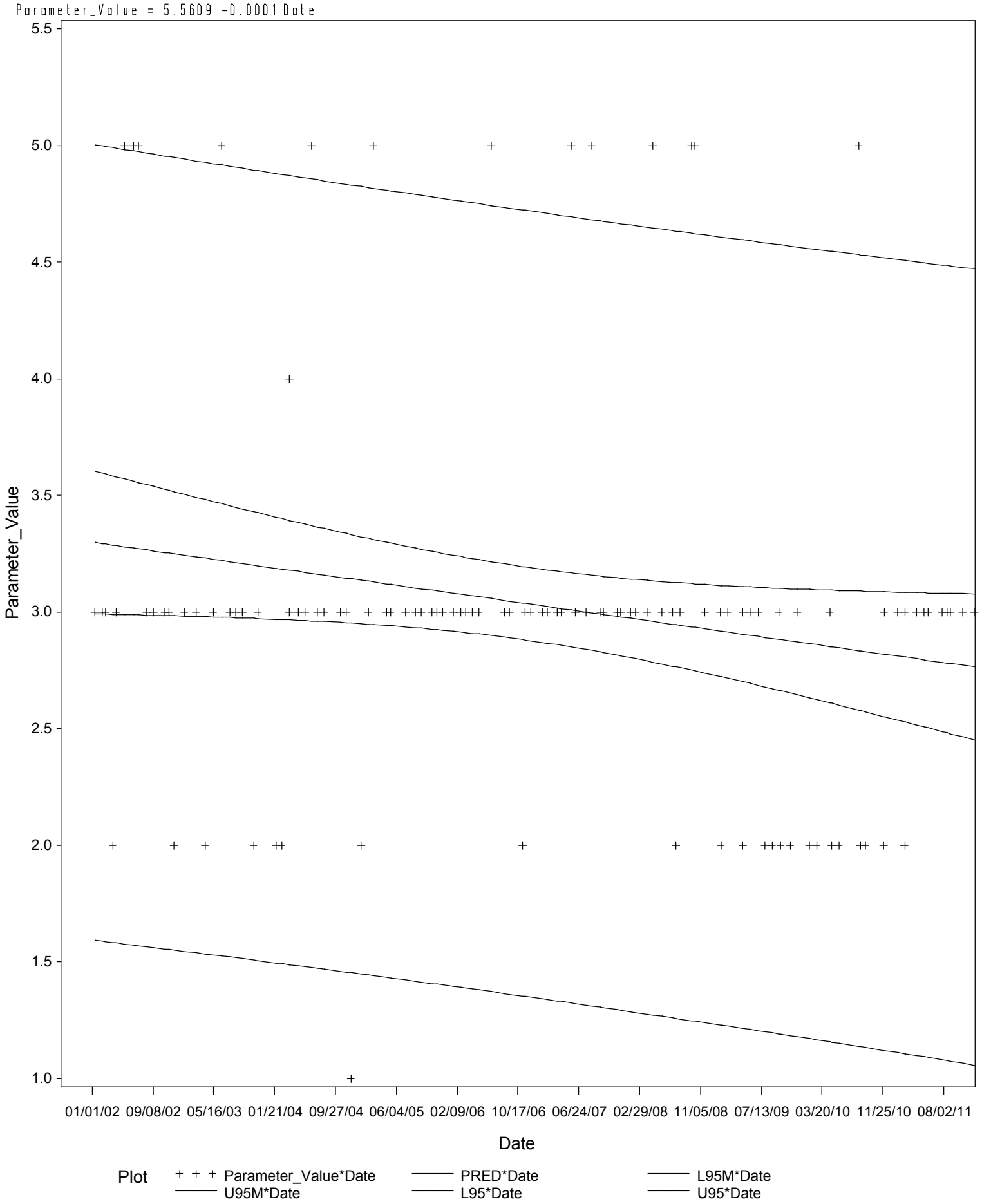
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13208



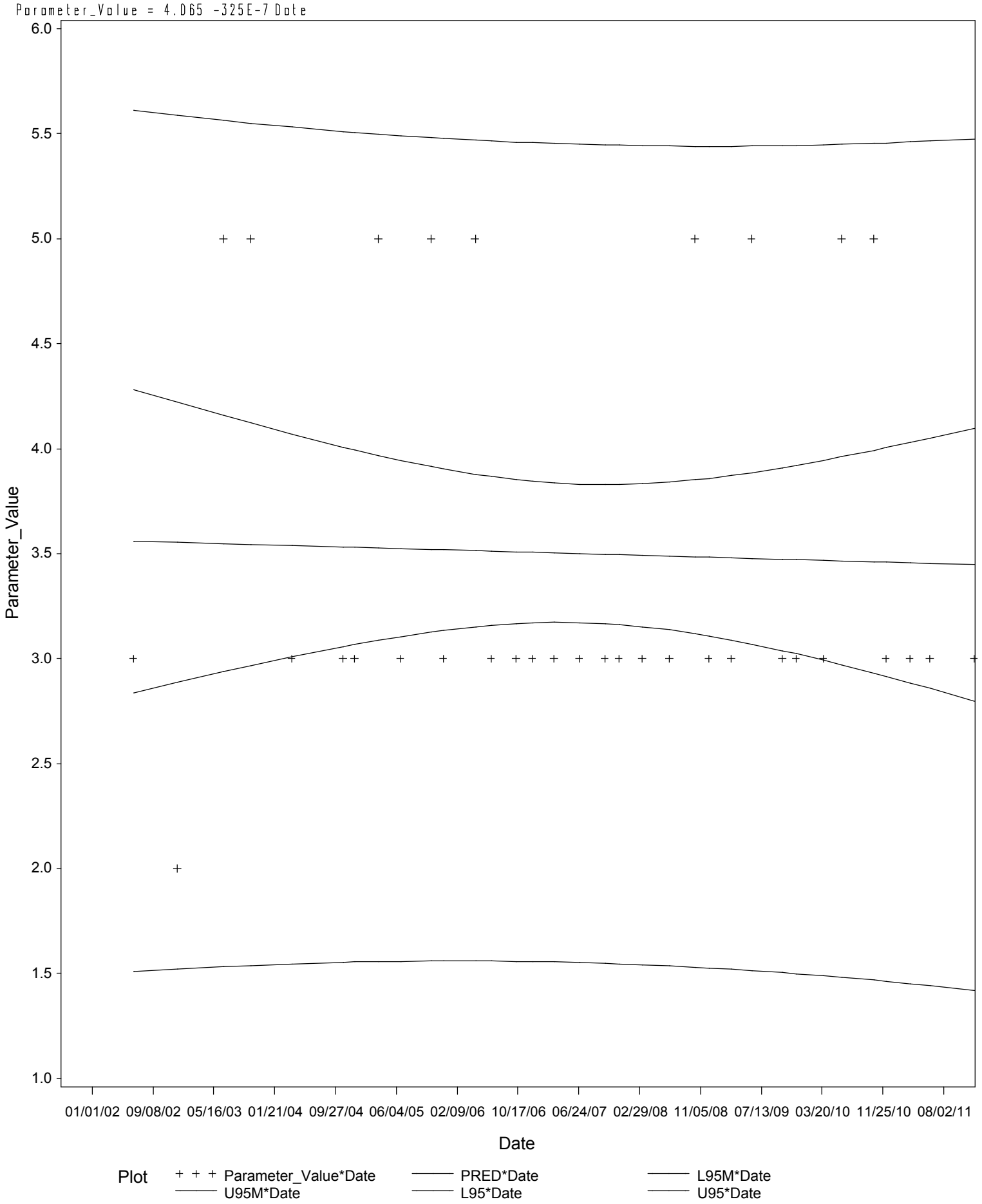
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13560



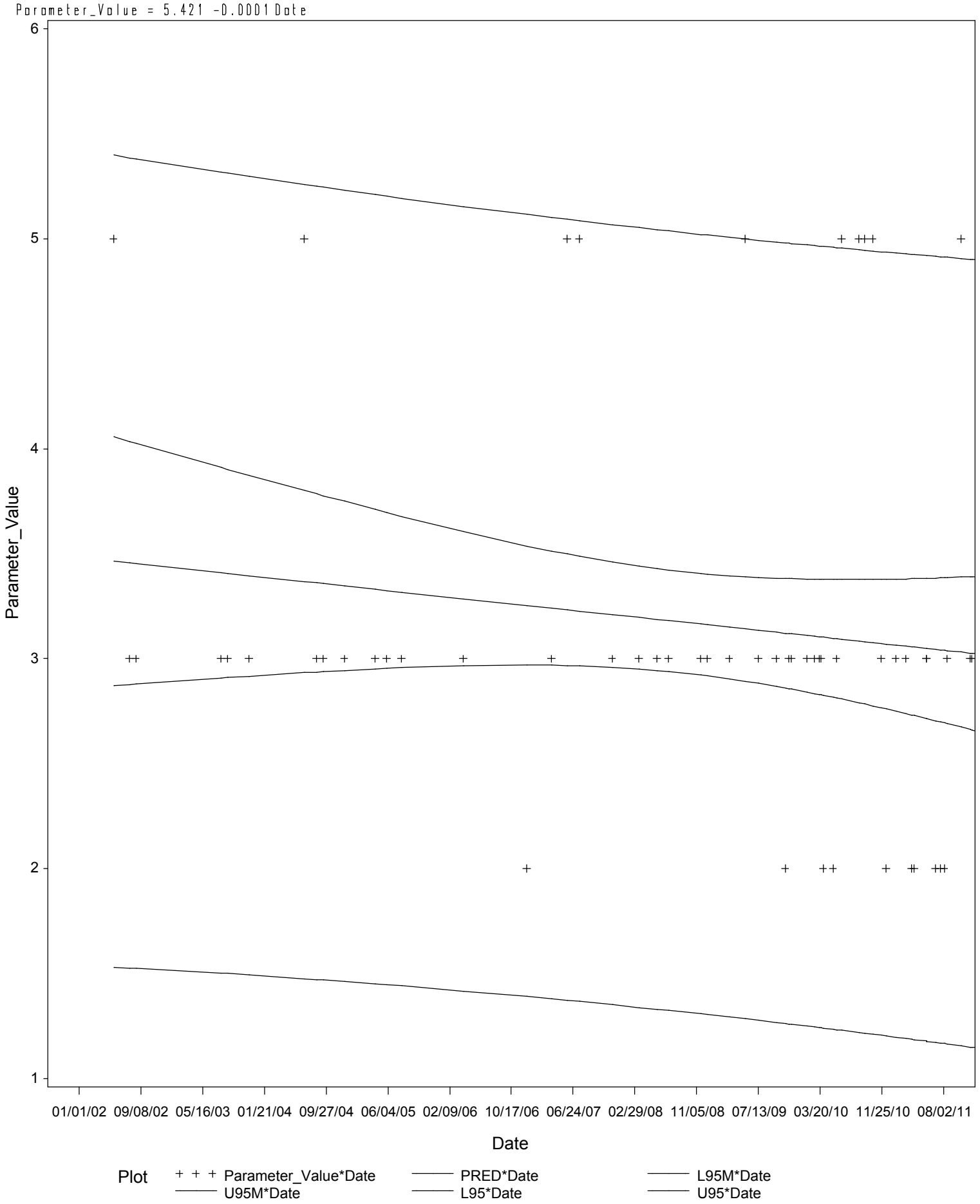
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=15274



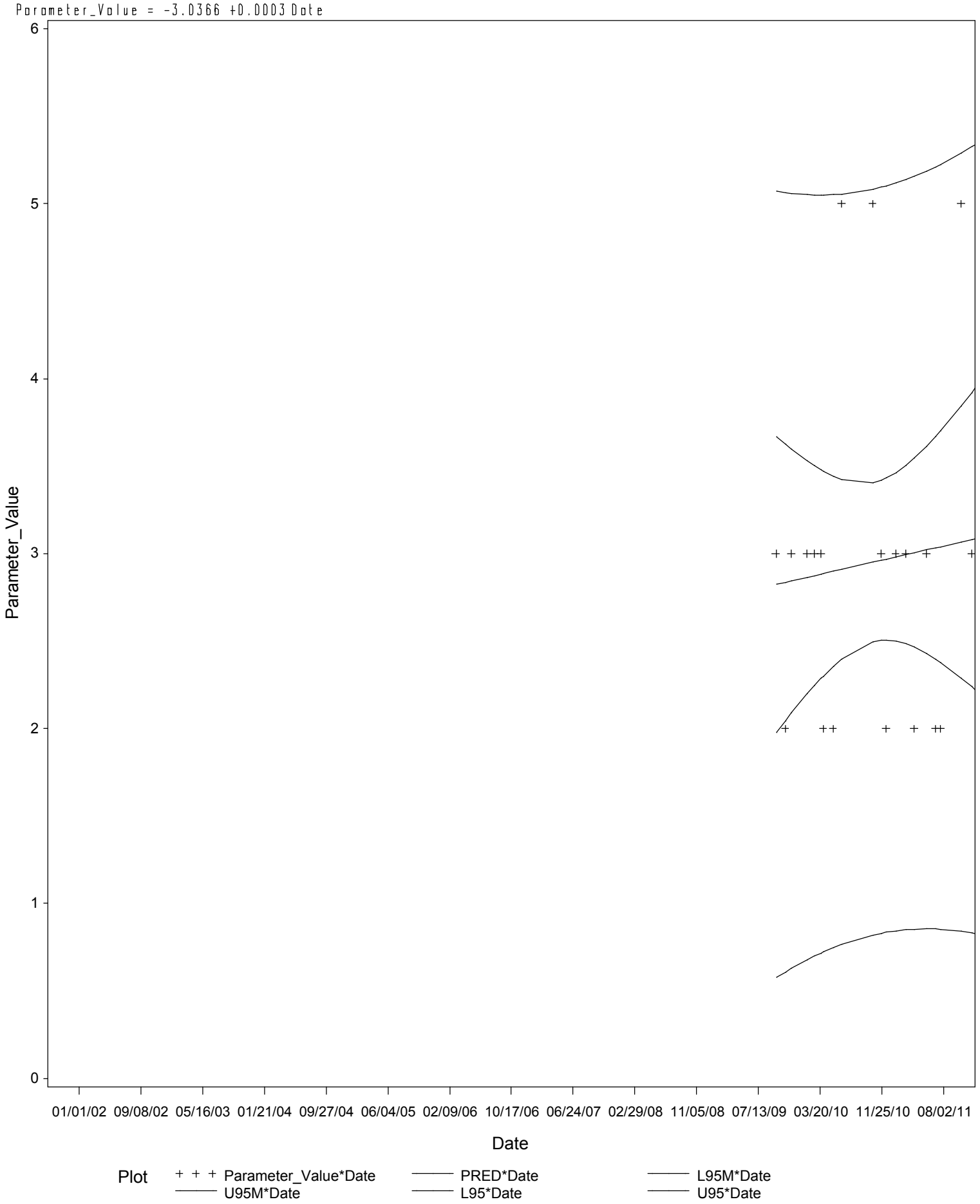
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=15814



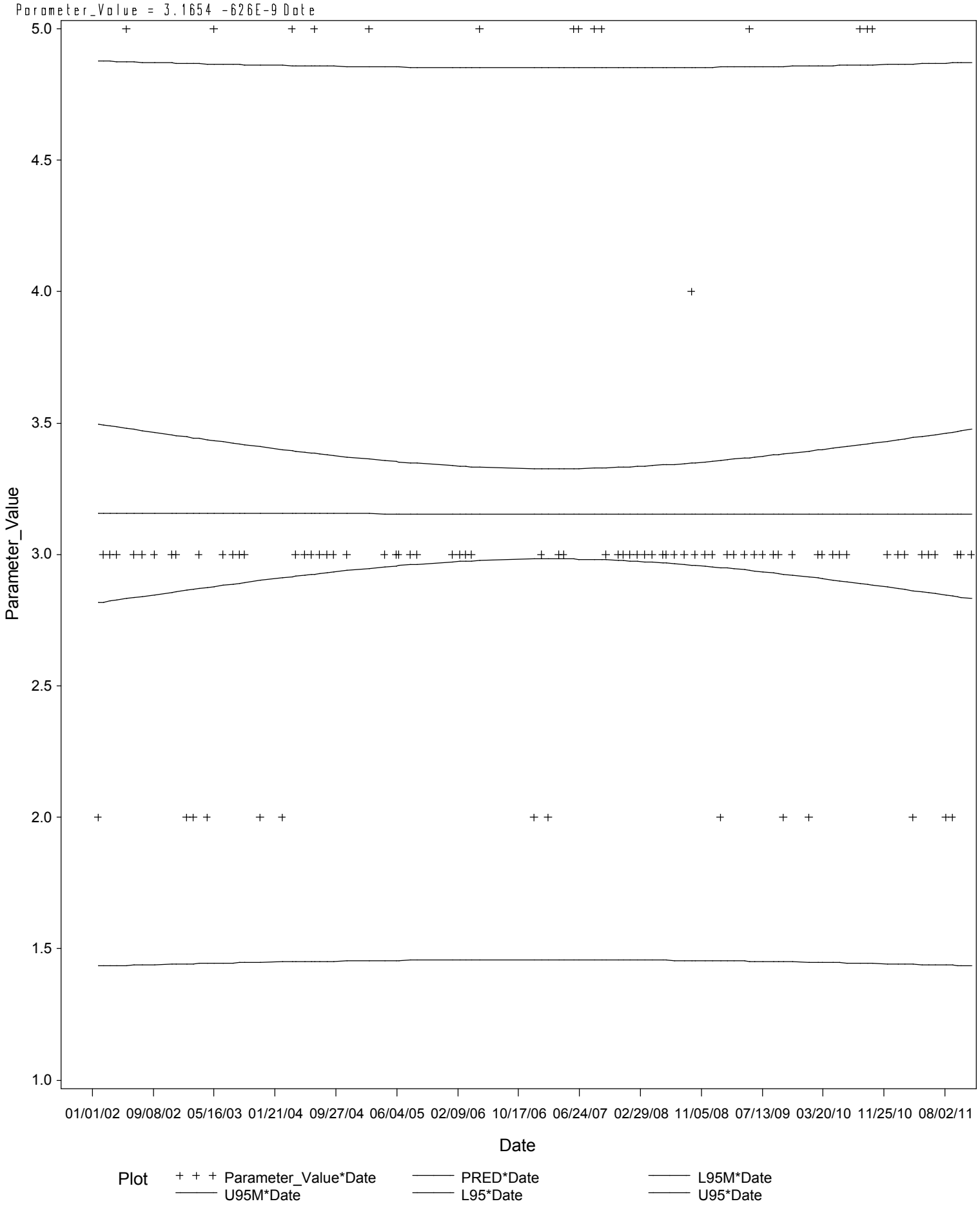
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=15815



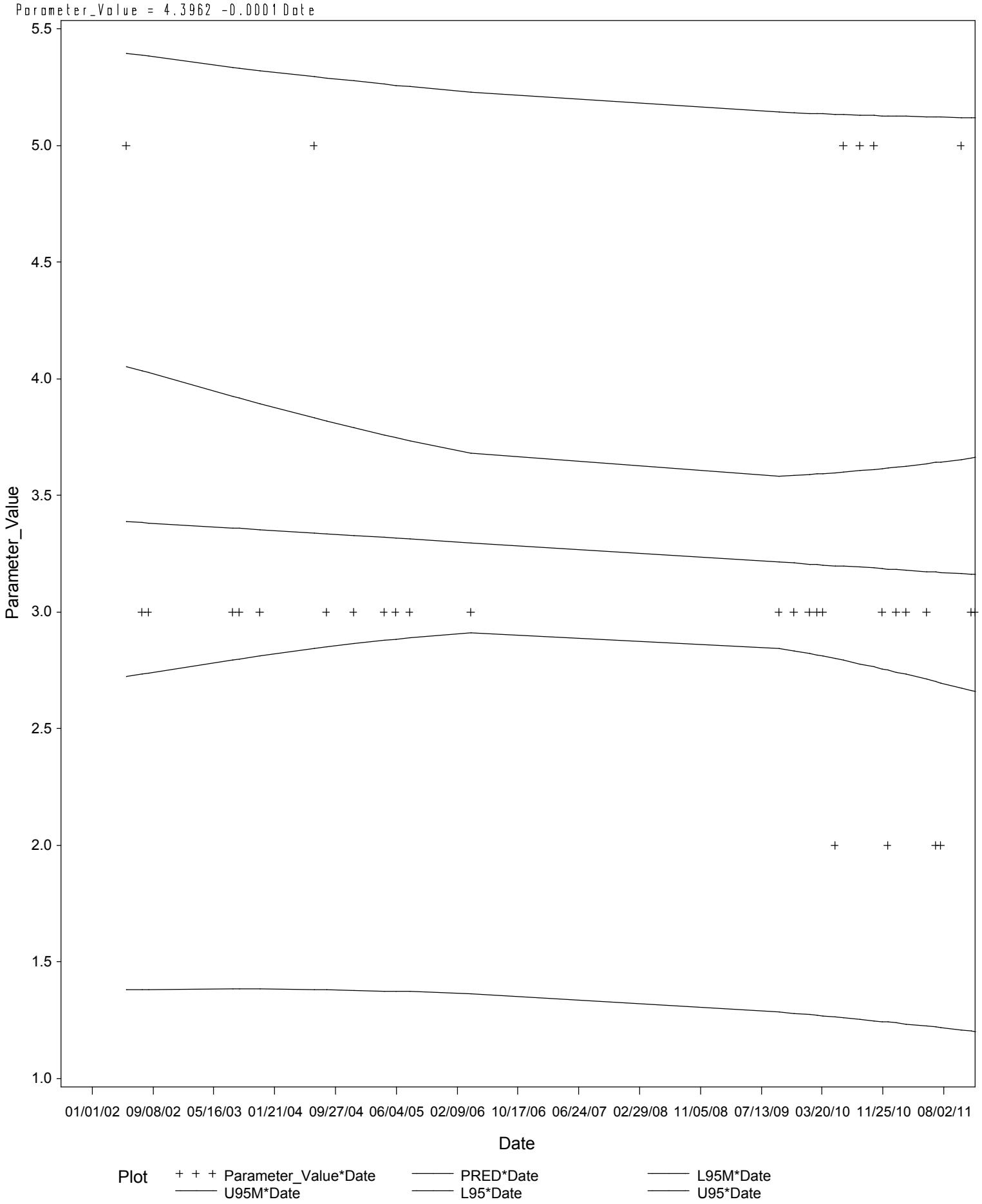
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=15817



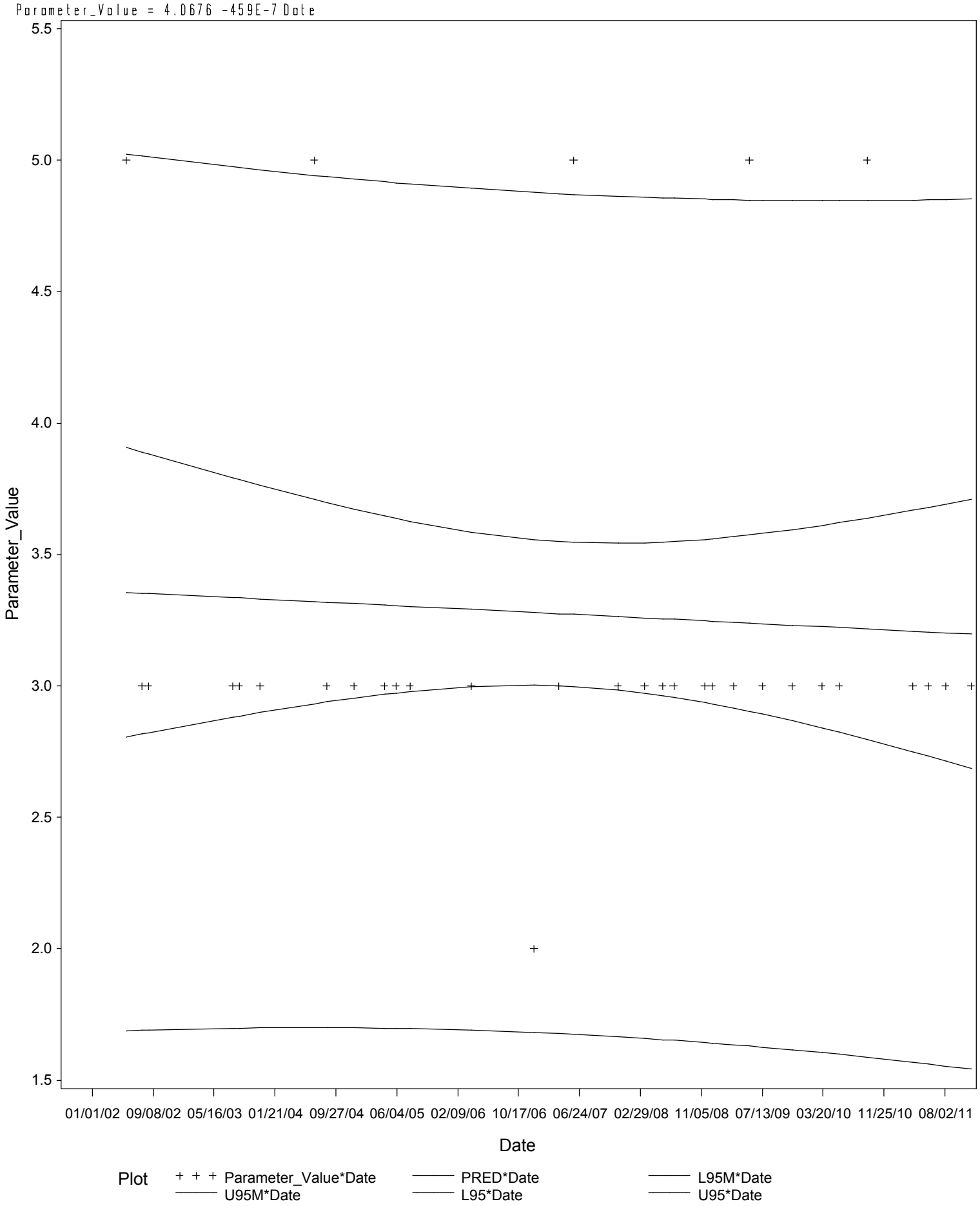
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=15839



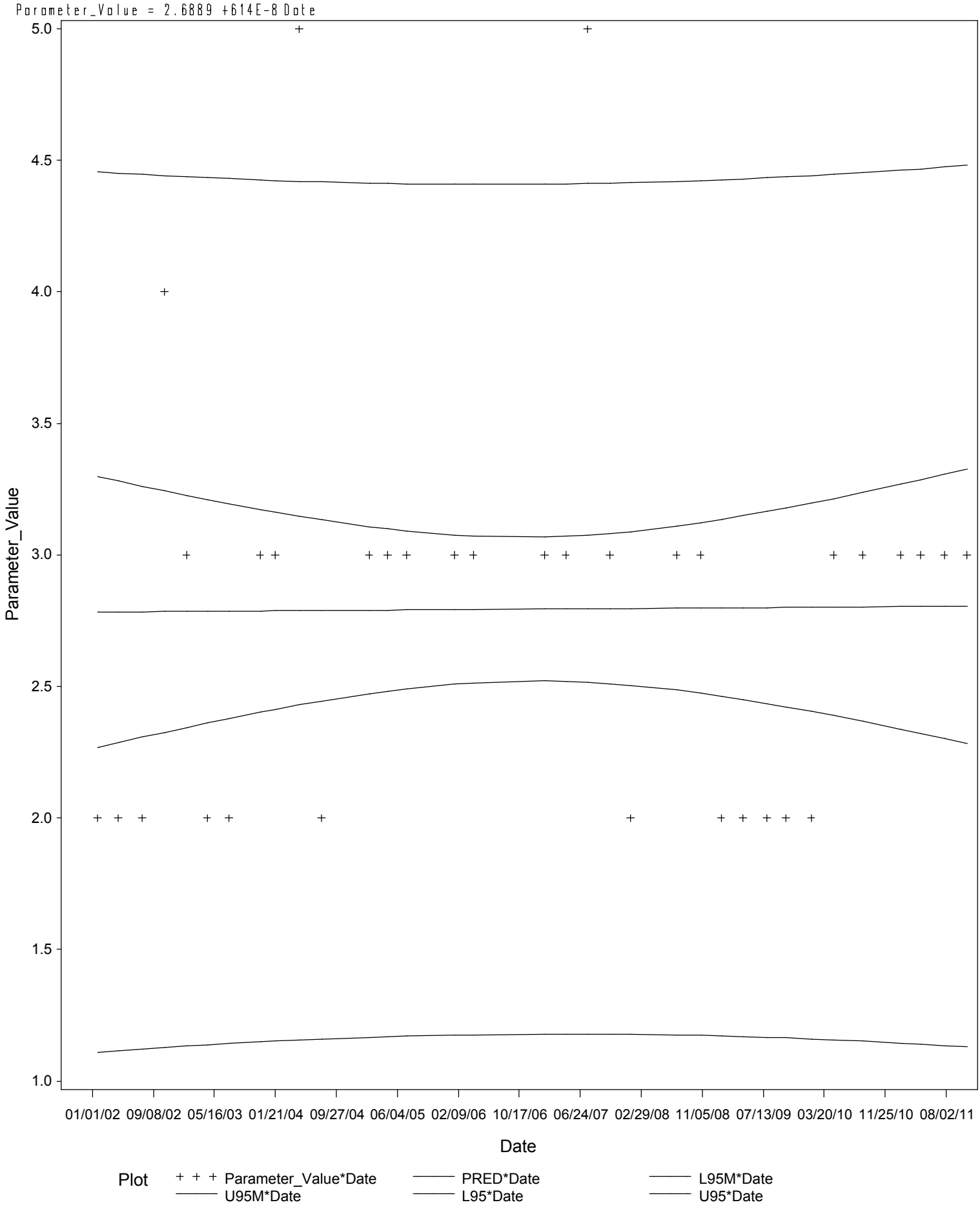
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=17410



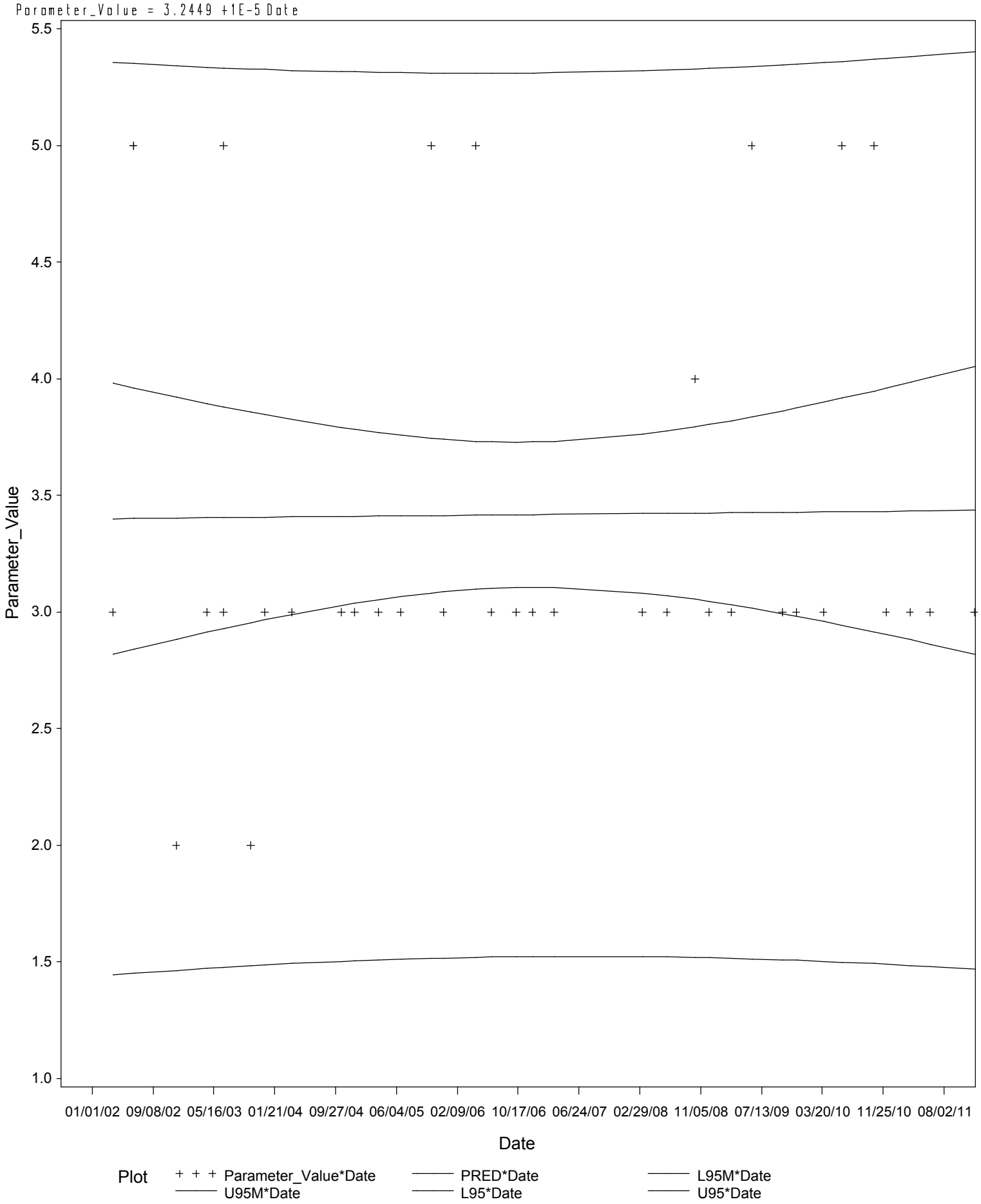
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=17596



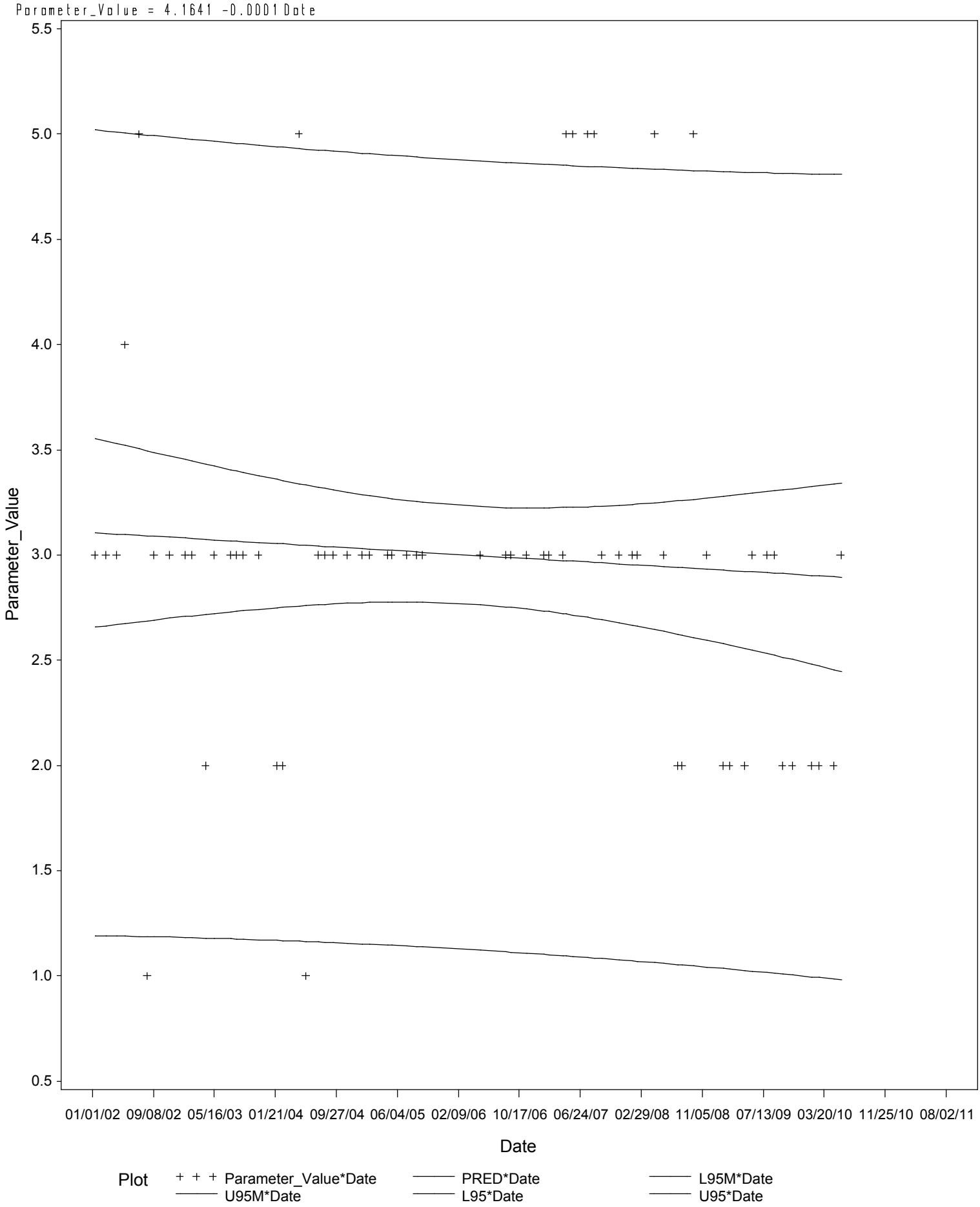
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=18792



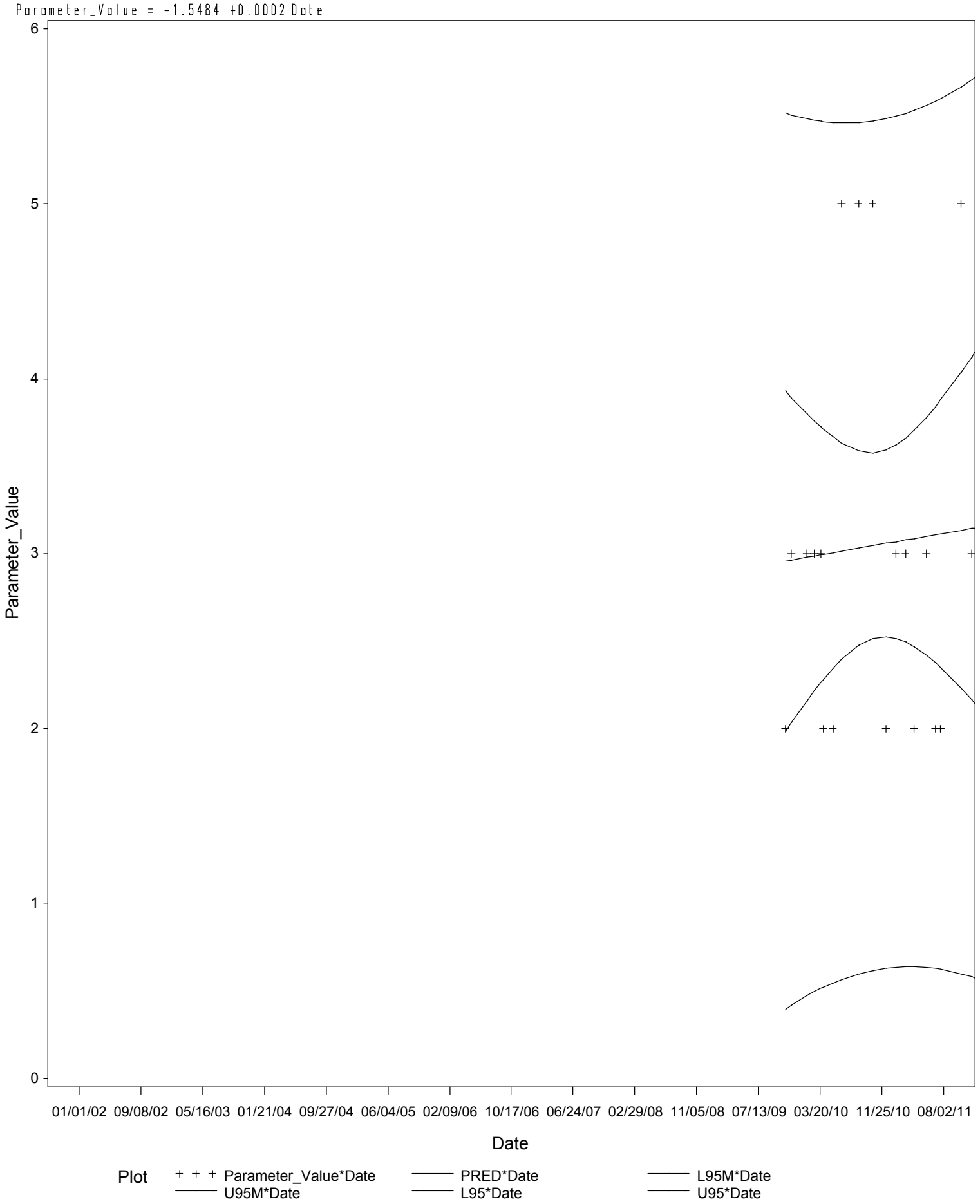
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=18795



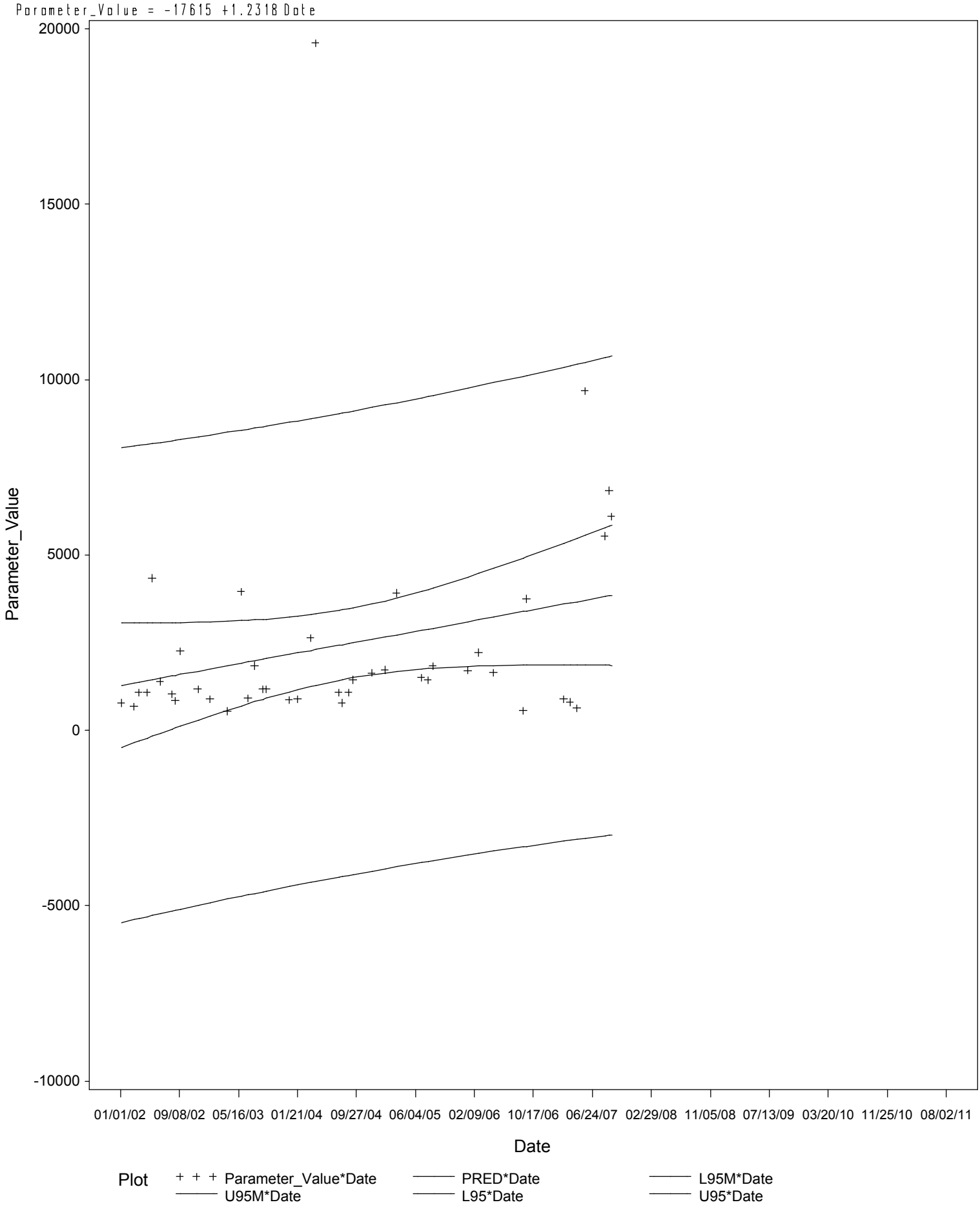
Rio Grande Below Amistad Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=20650



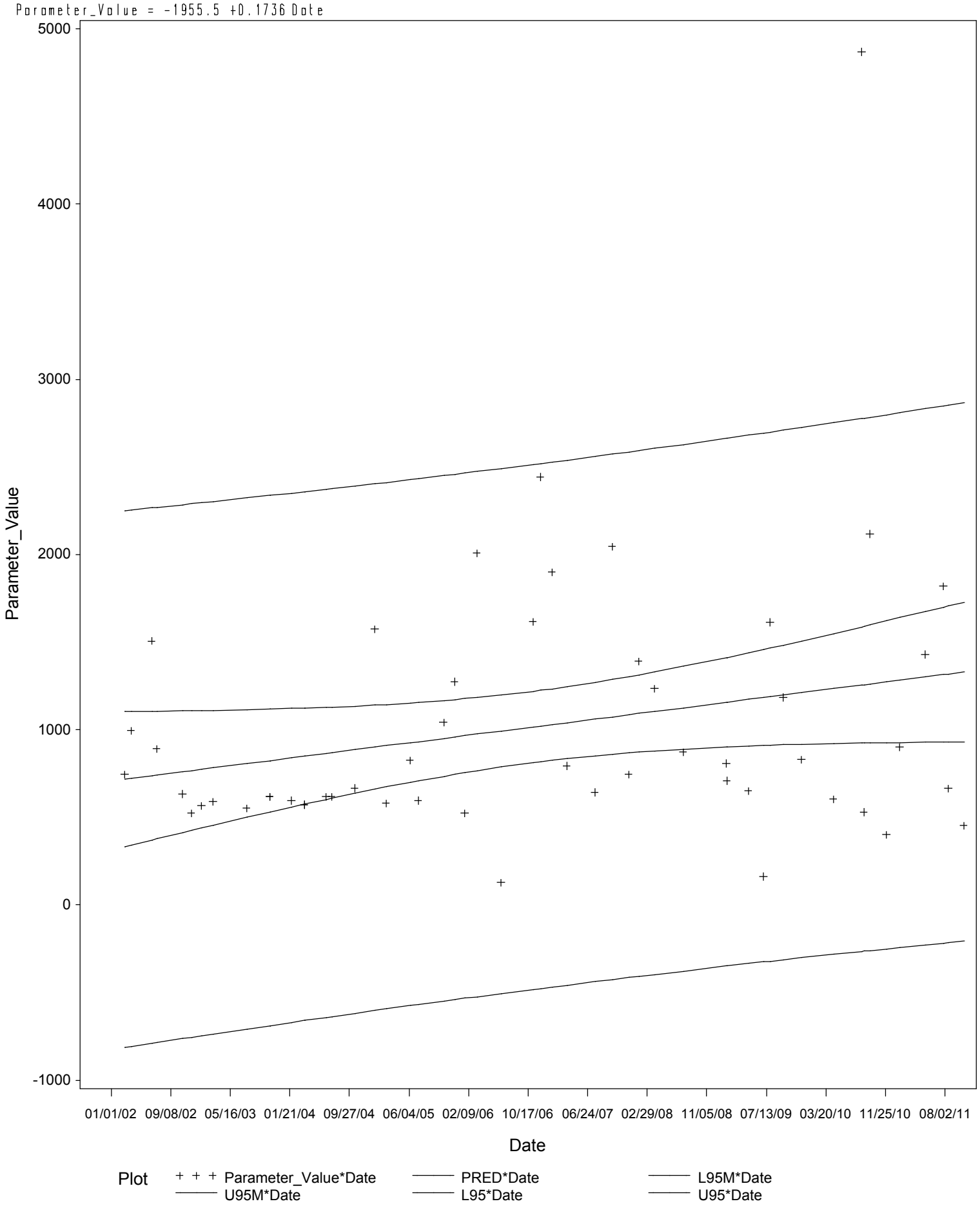
Rio Grande Below Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13196



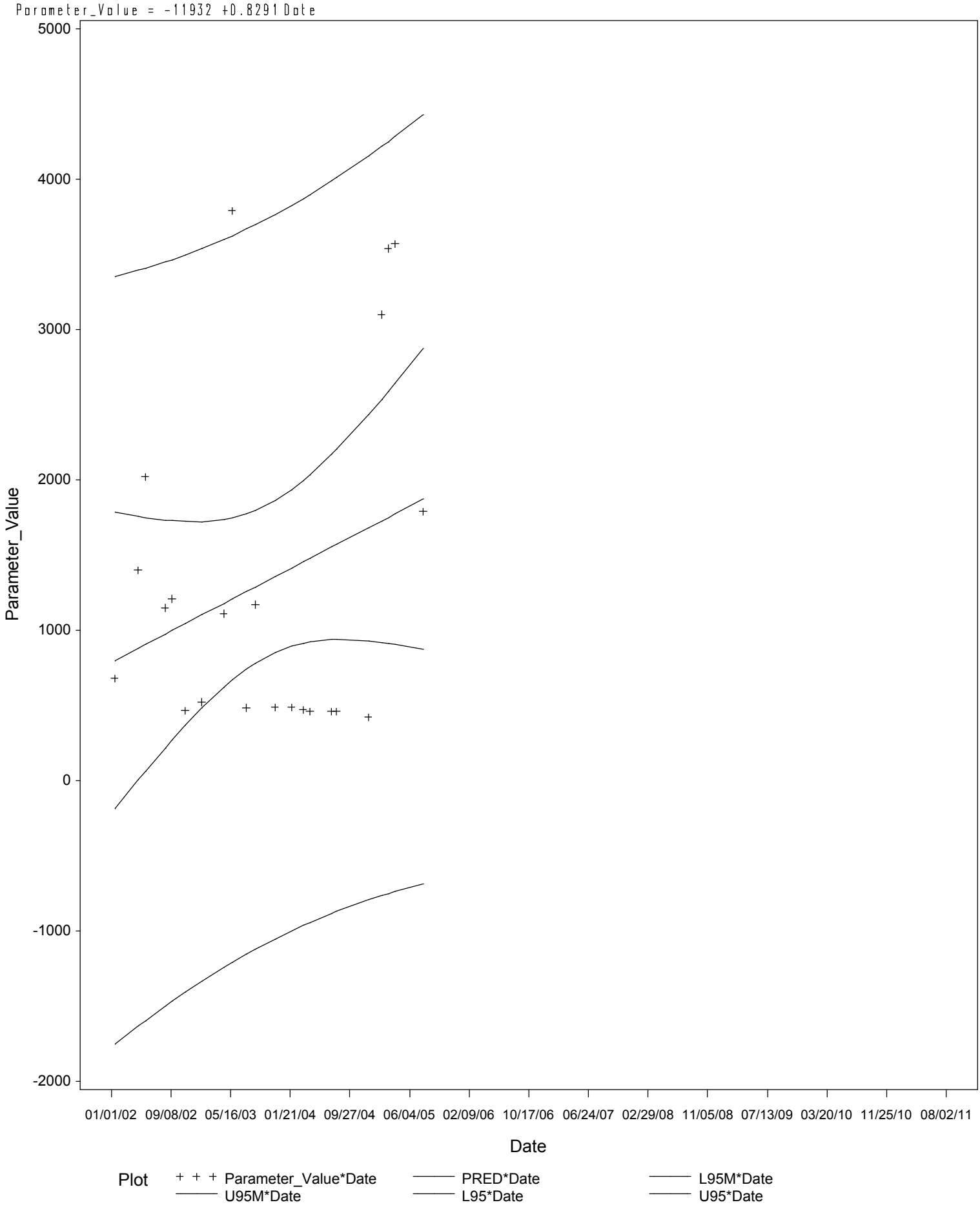
Rio Grande Below Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13208



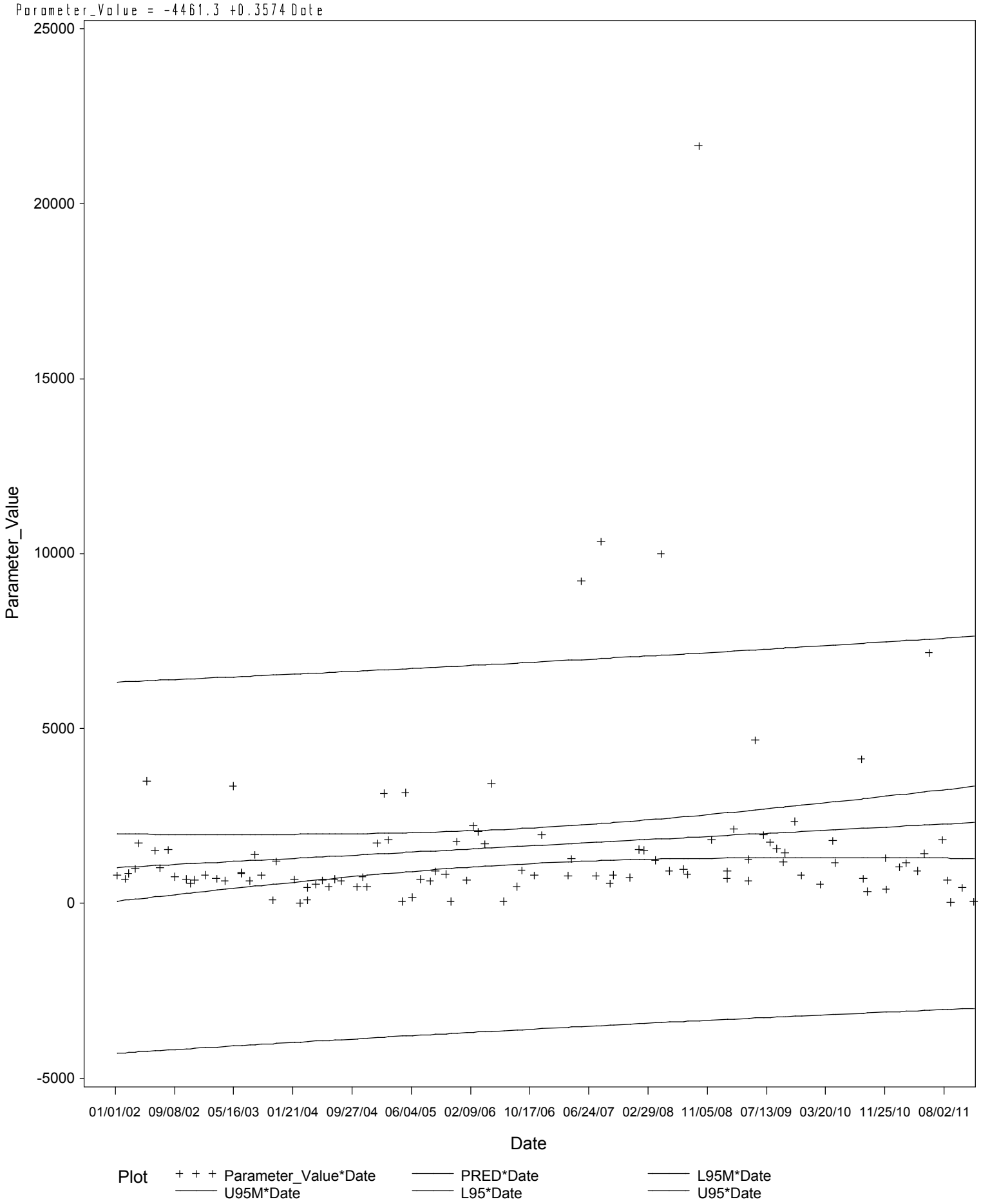
Rio Grande Below Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13209



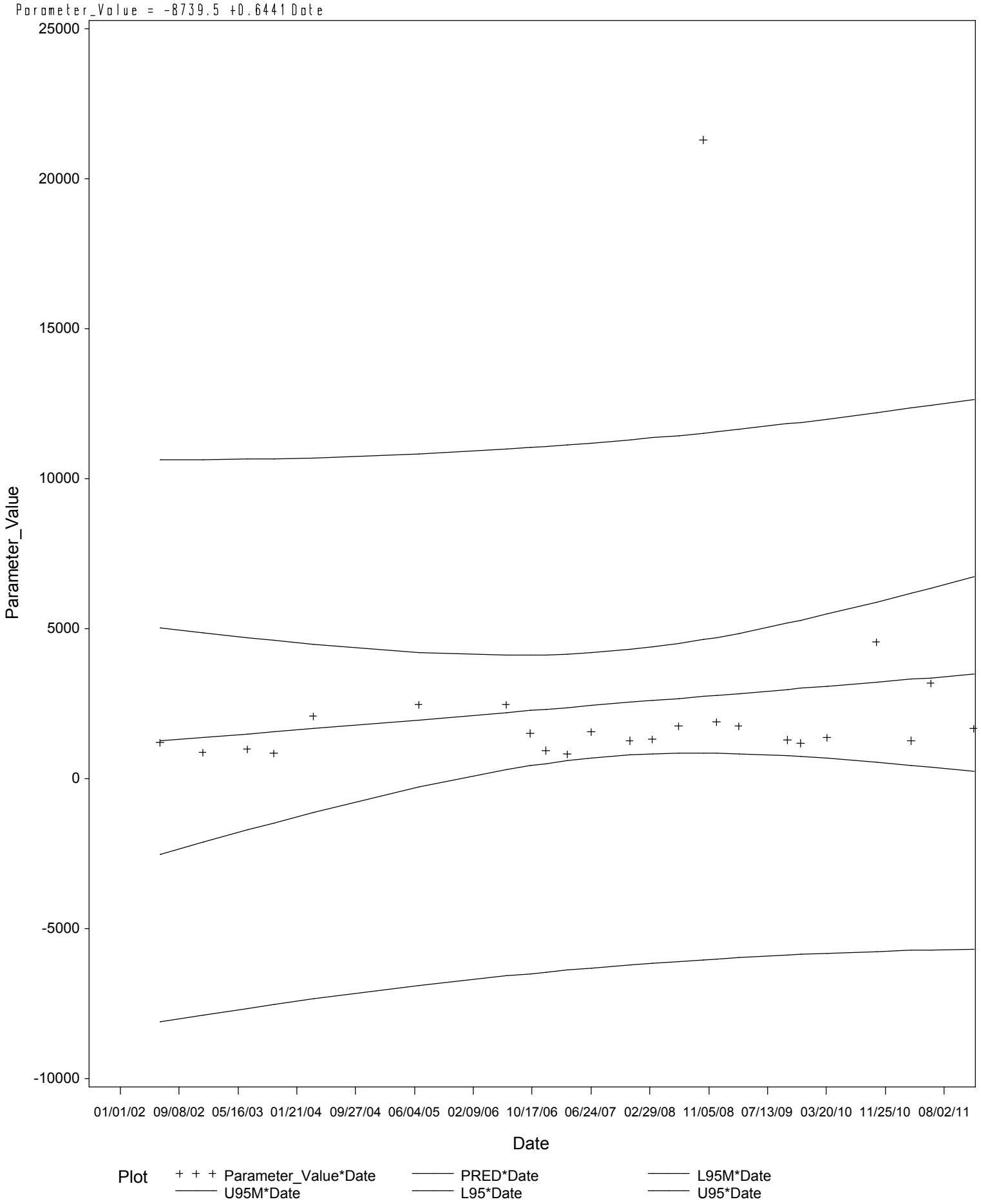
Rio Grande Below Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13560



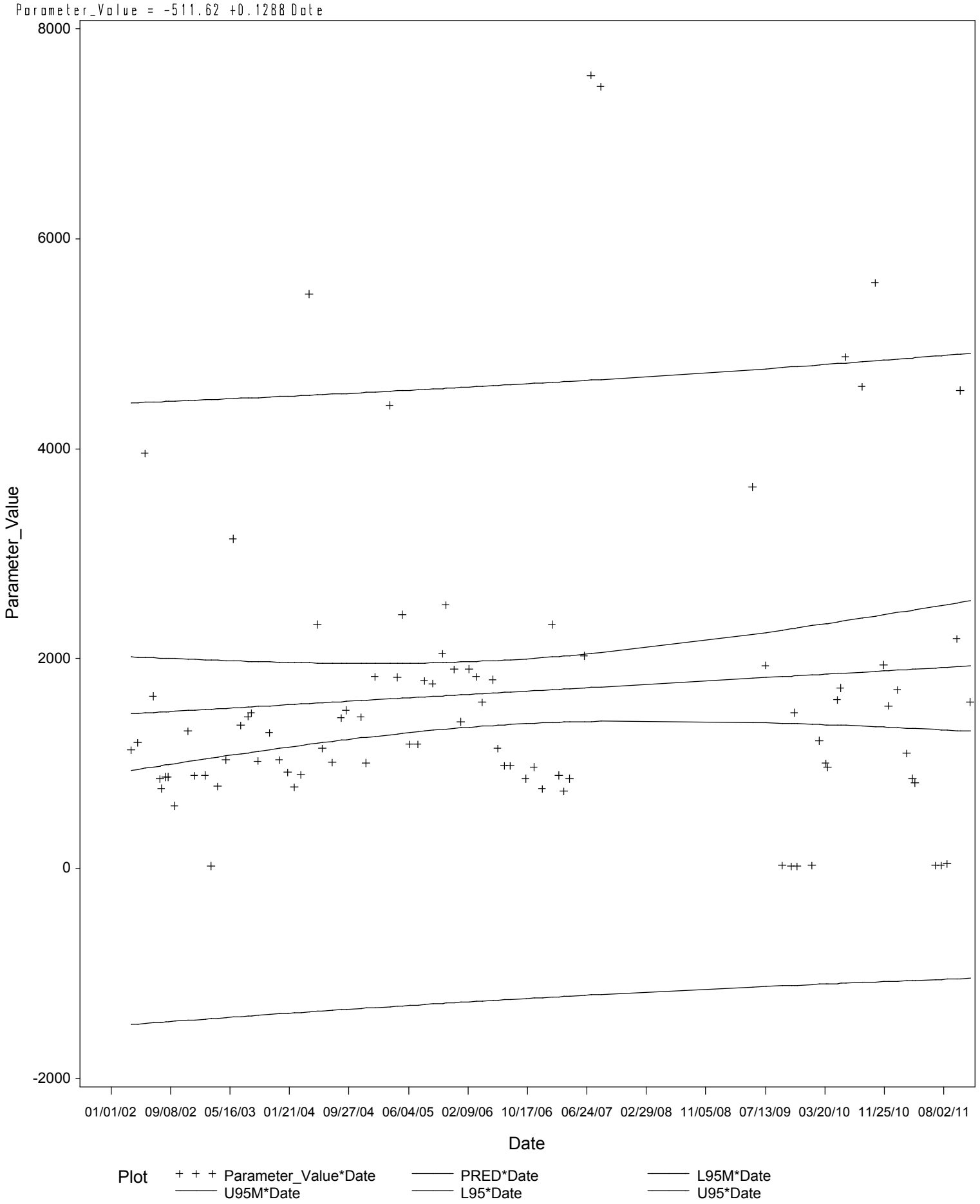
Rio Grande Below Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=15274



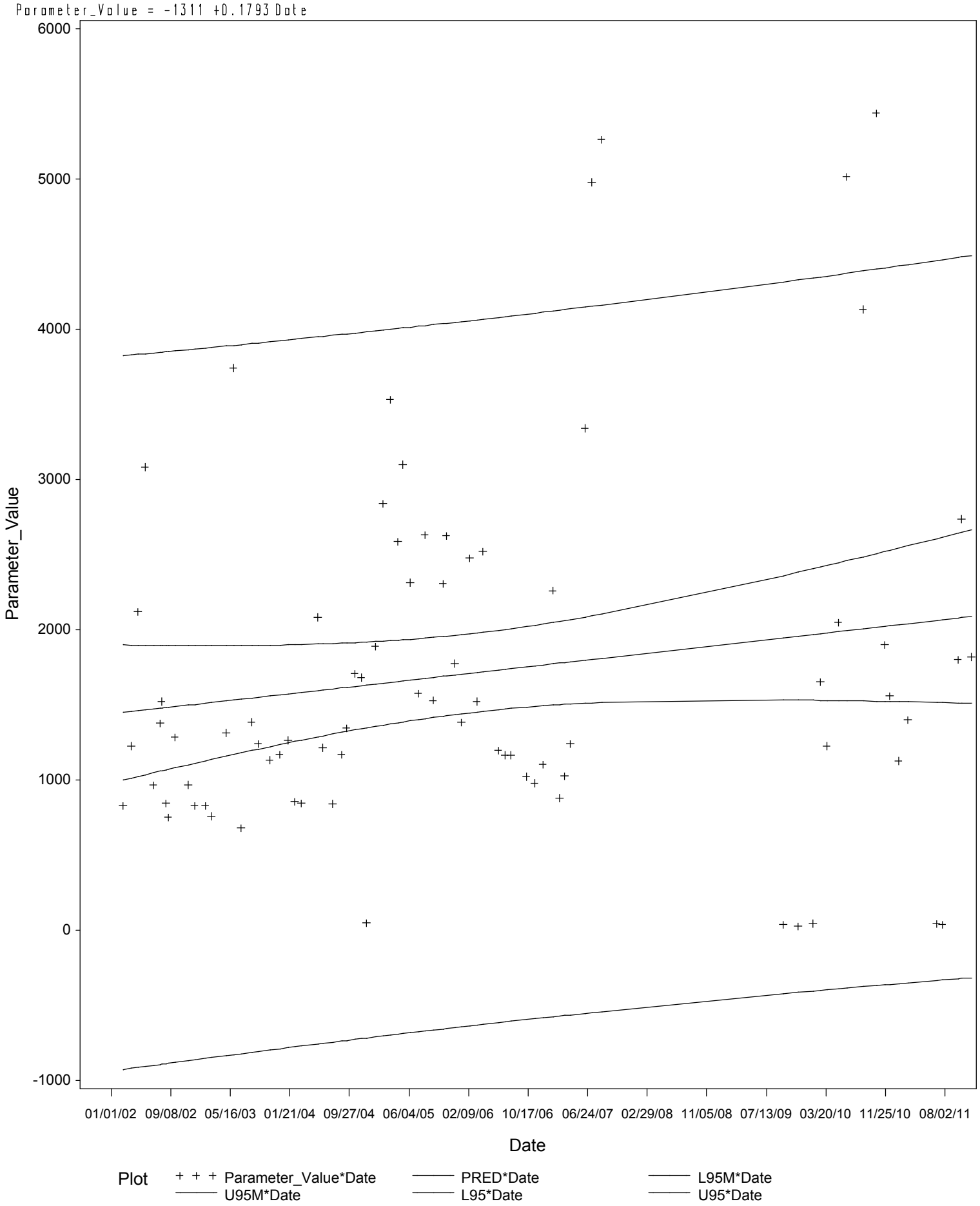
Rio Grande Below Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=15814



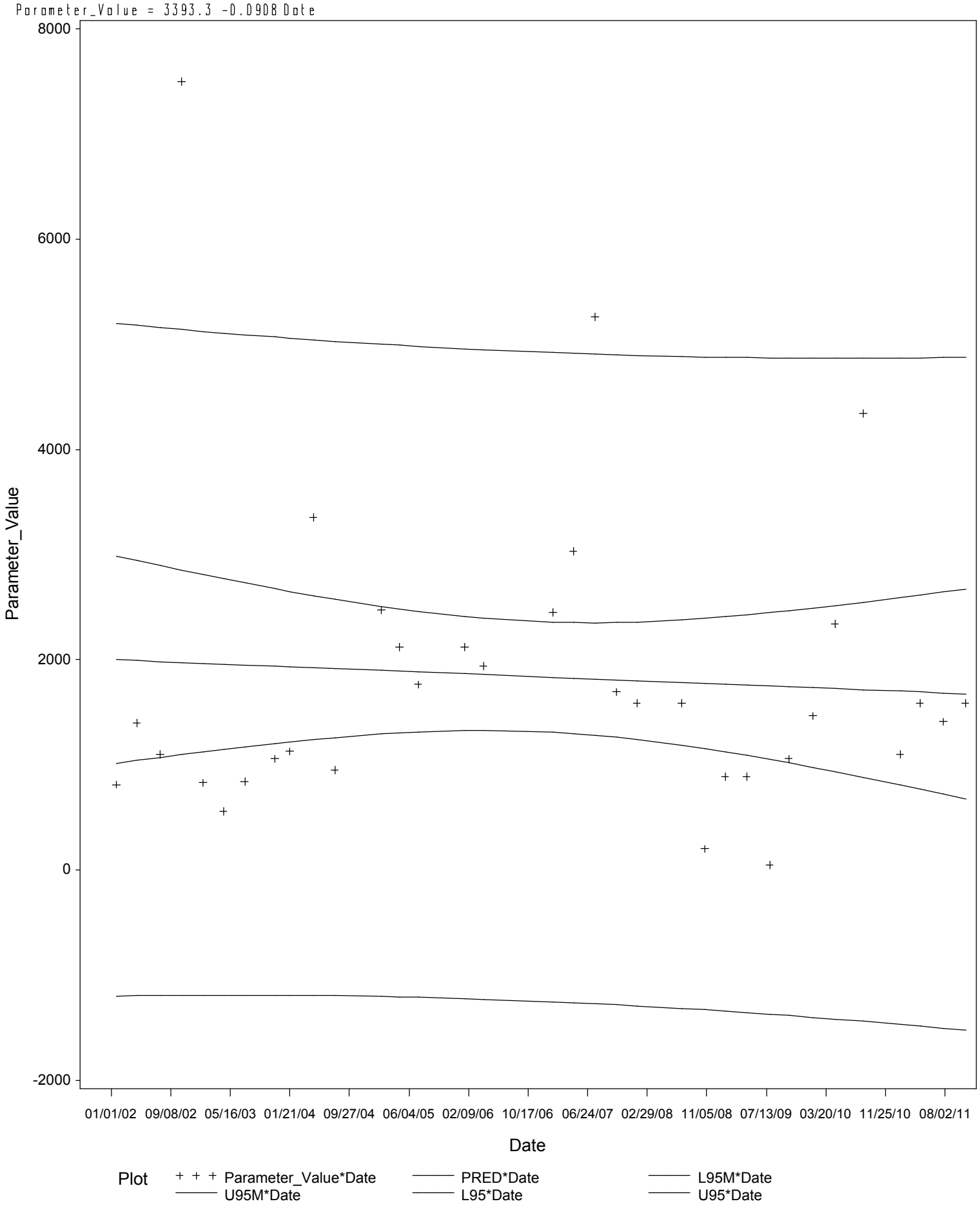
Rio Grande Below Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=15839



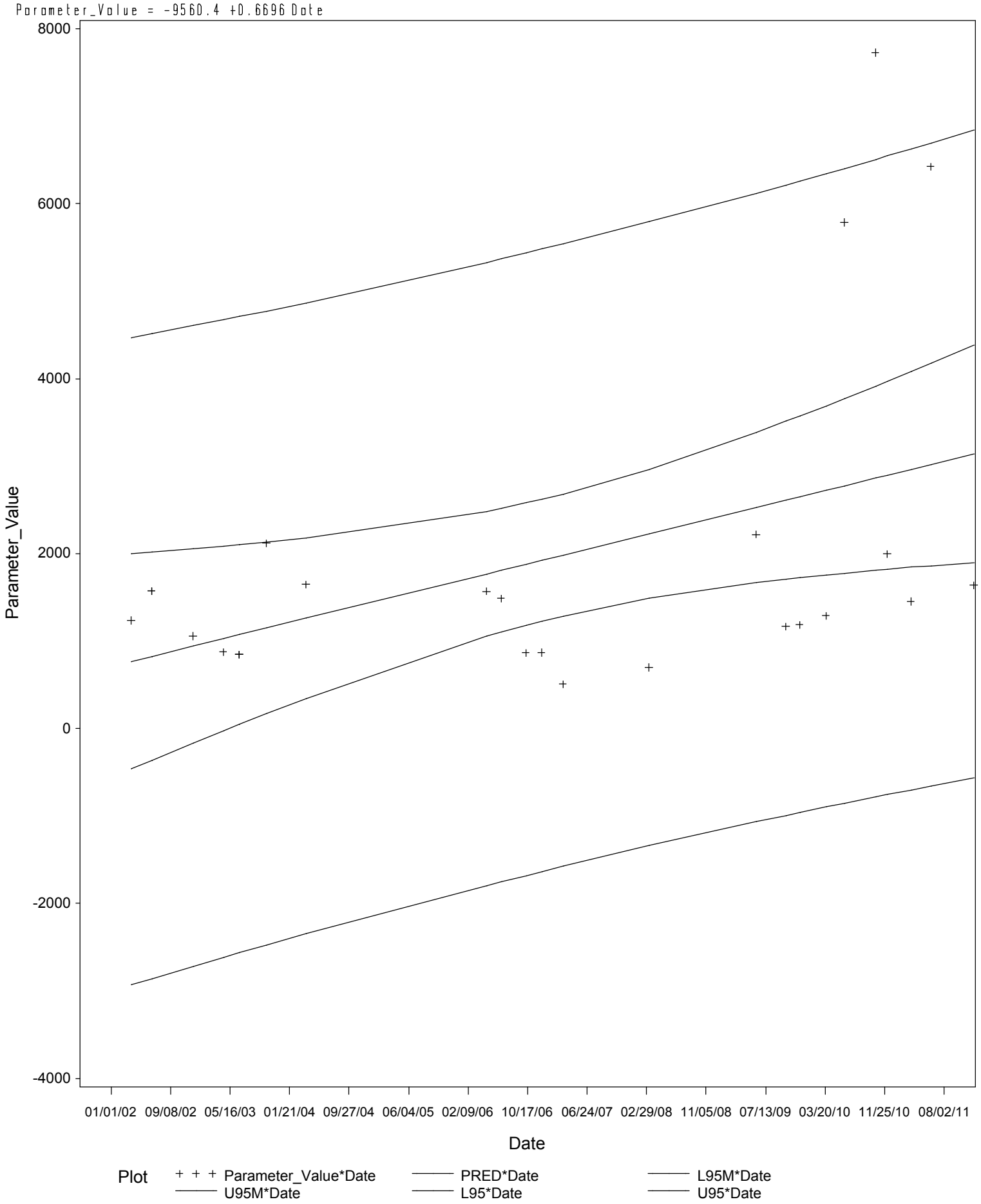
Rio Grande Below Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=17596



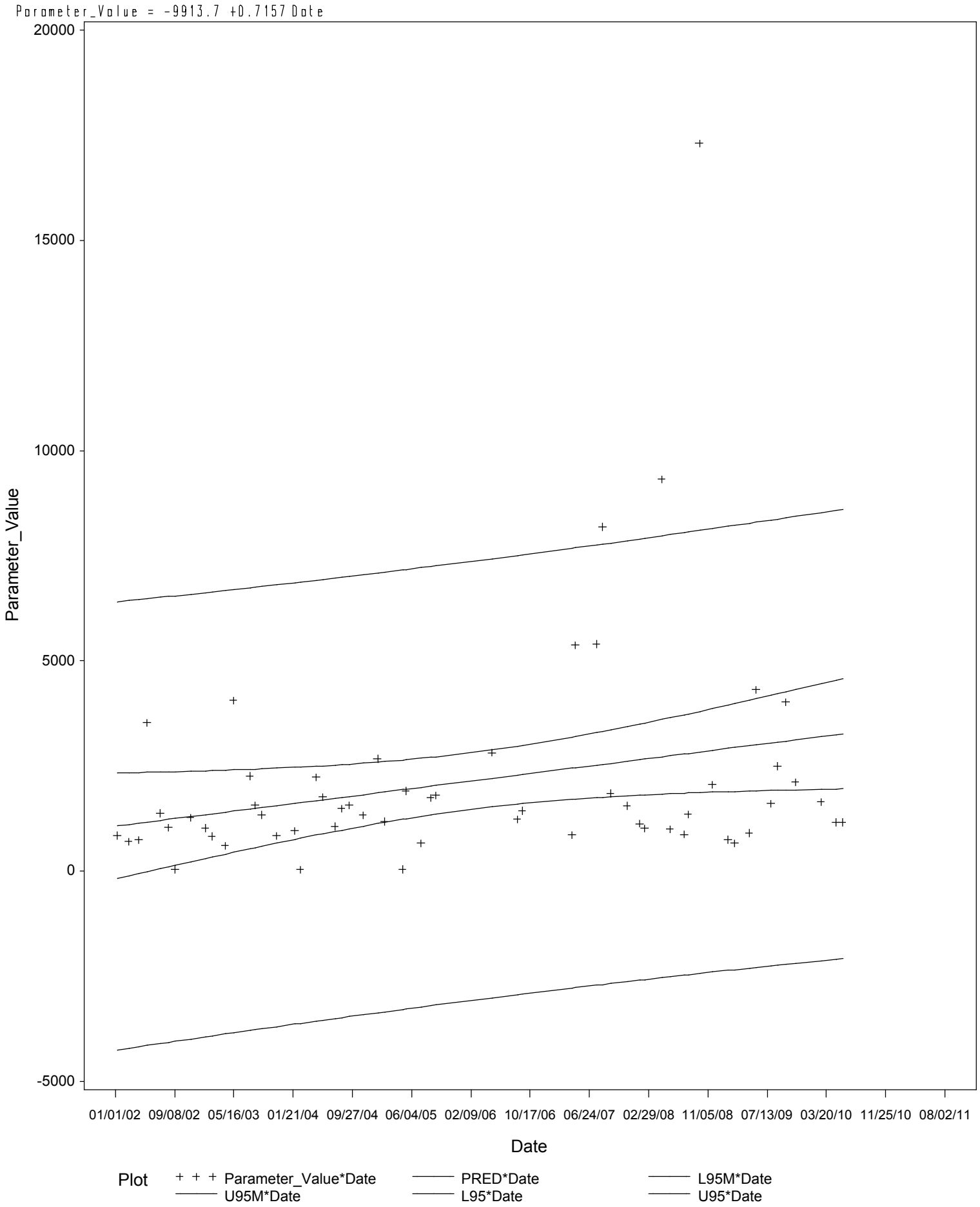
Rio Grande Below Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=18792



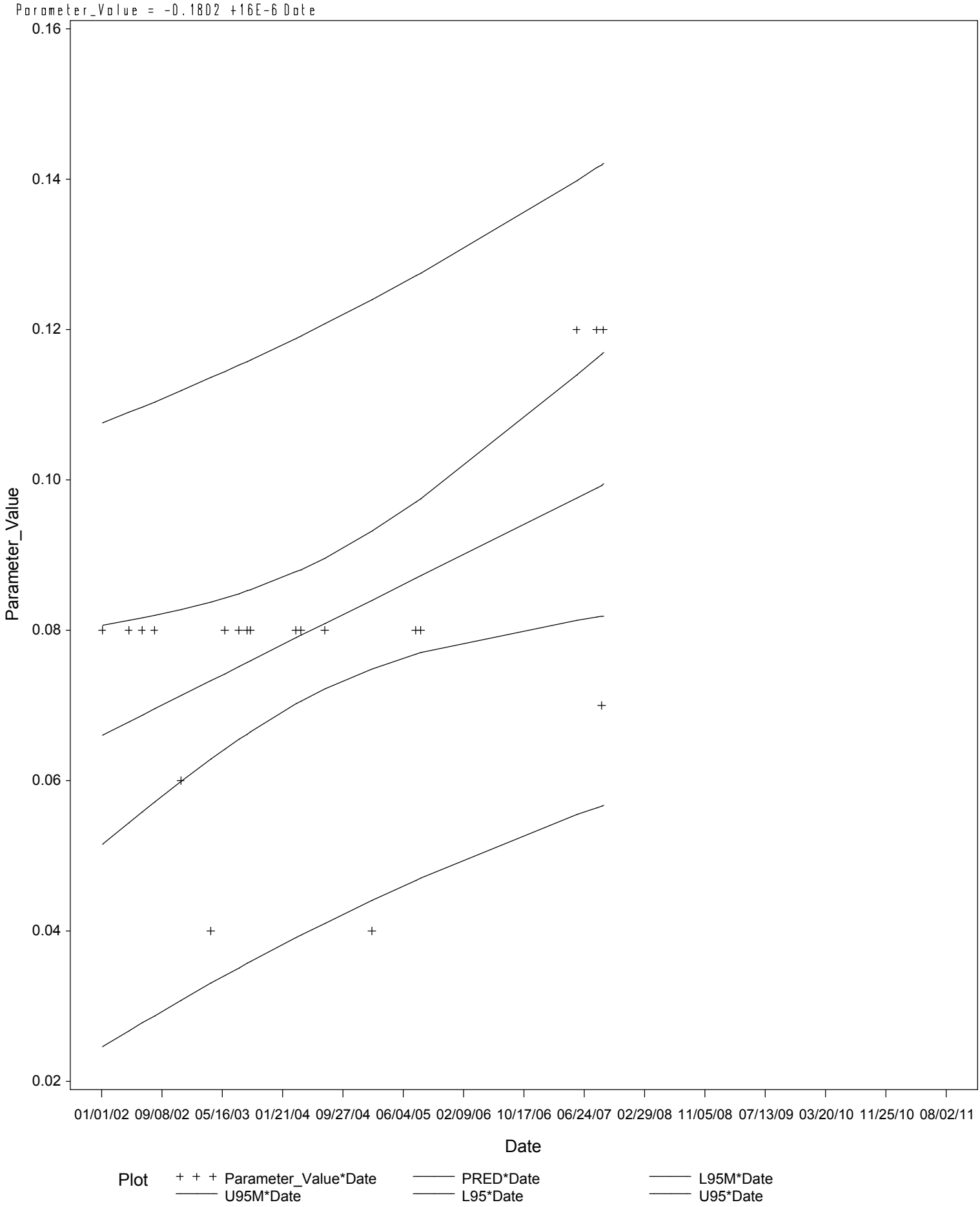
Rio Grande Below Amistad Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=18795



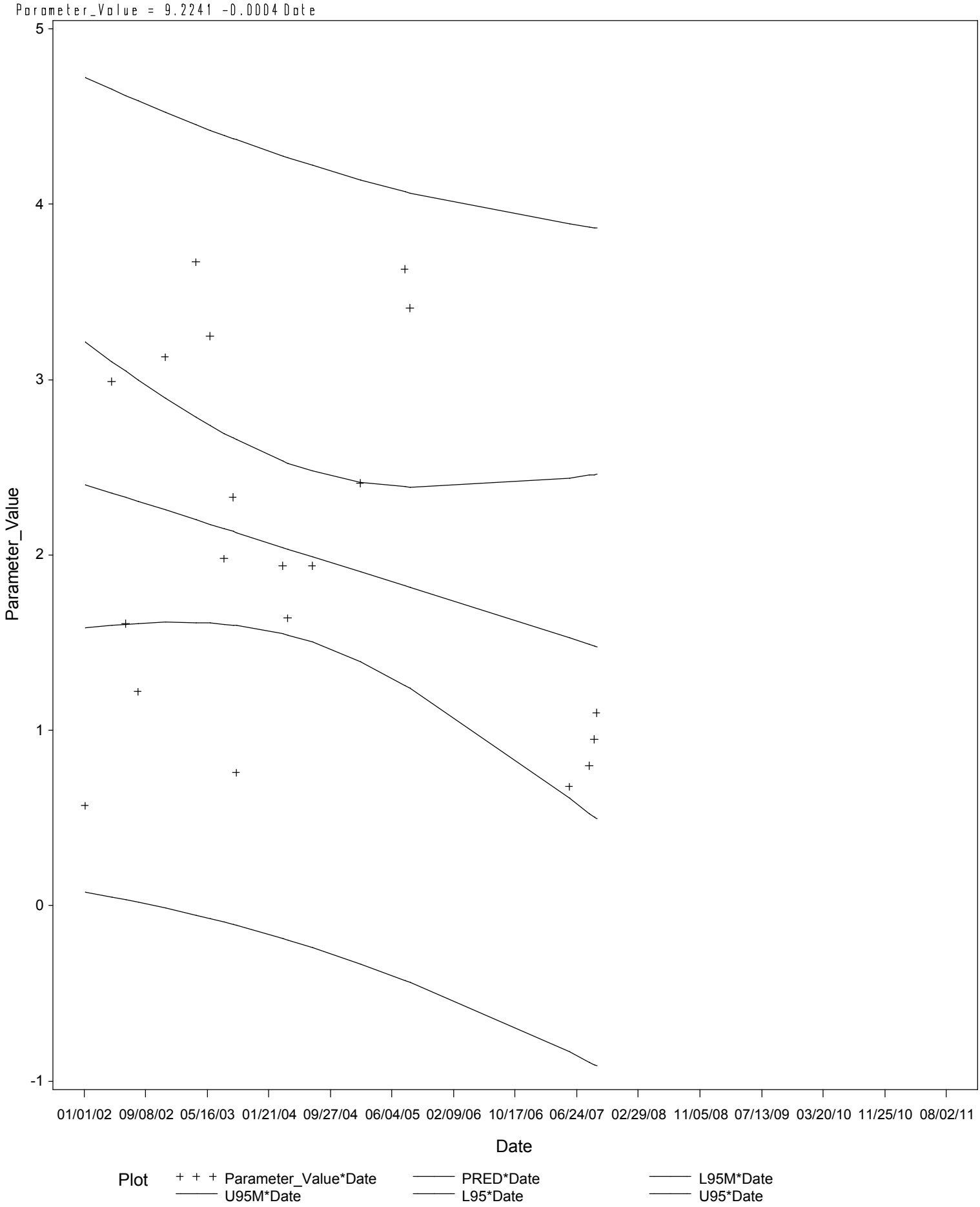
Rio Grande Below Amistad Reservoir

Parameter=LEAD, DISSOLVED (UG/L AS PB) Station=13196



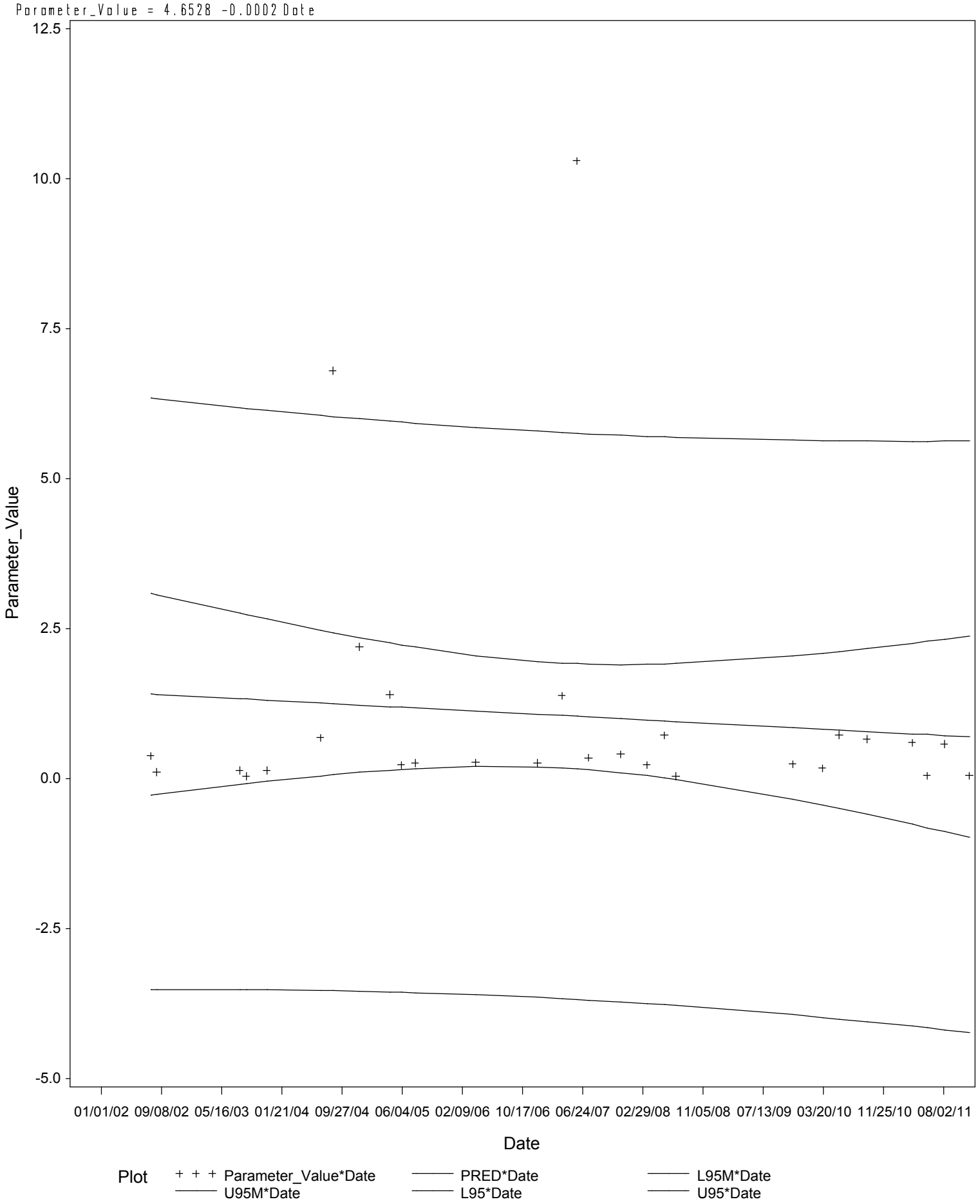
Rio Grande Below Amistad Reservoir

Parameter=NICKEL, DISSOLVED (UG/L AS NI) Station=13196



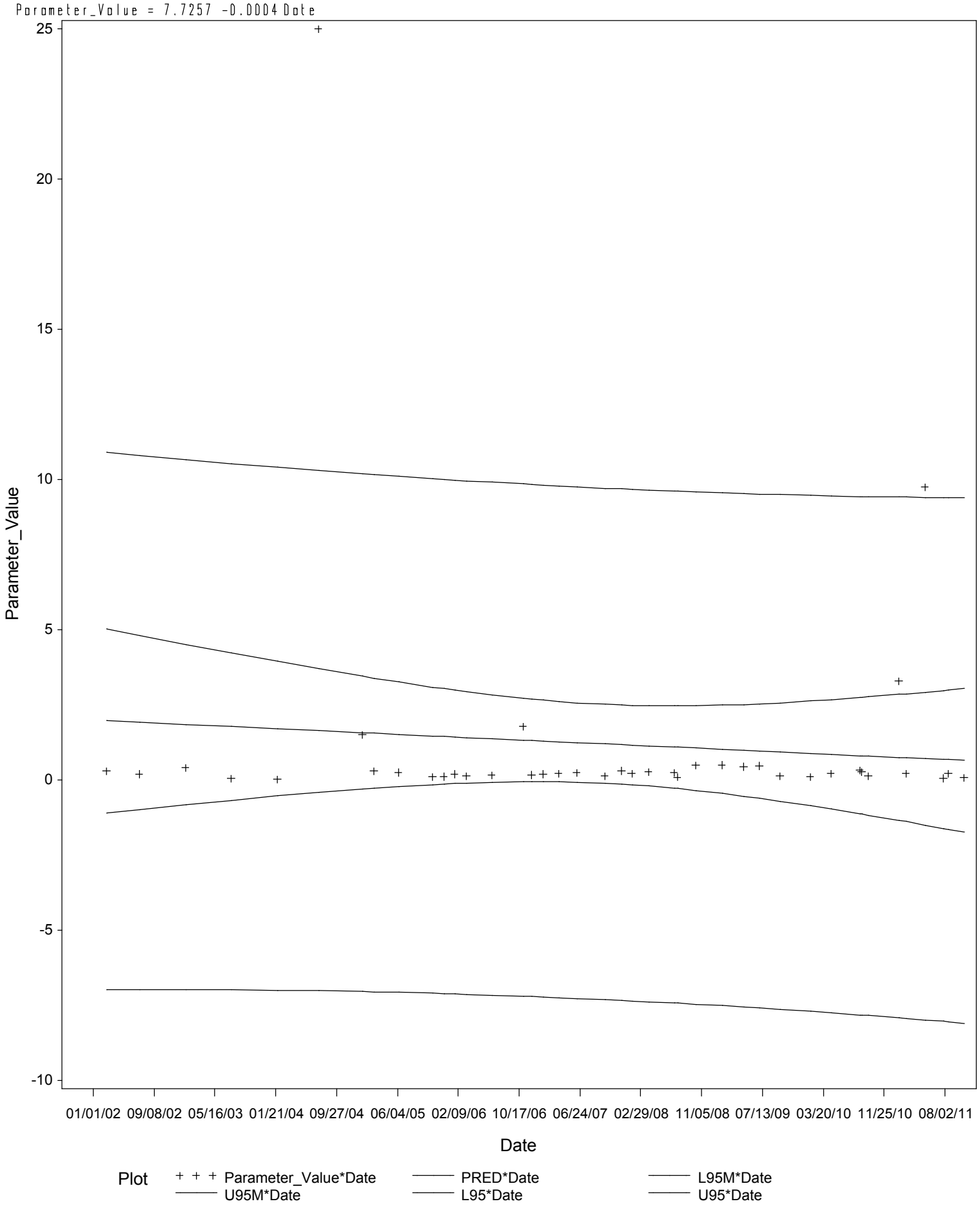
Rio Grande Below Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13202



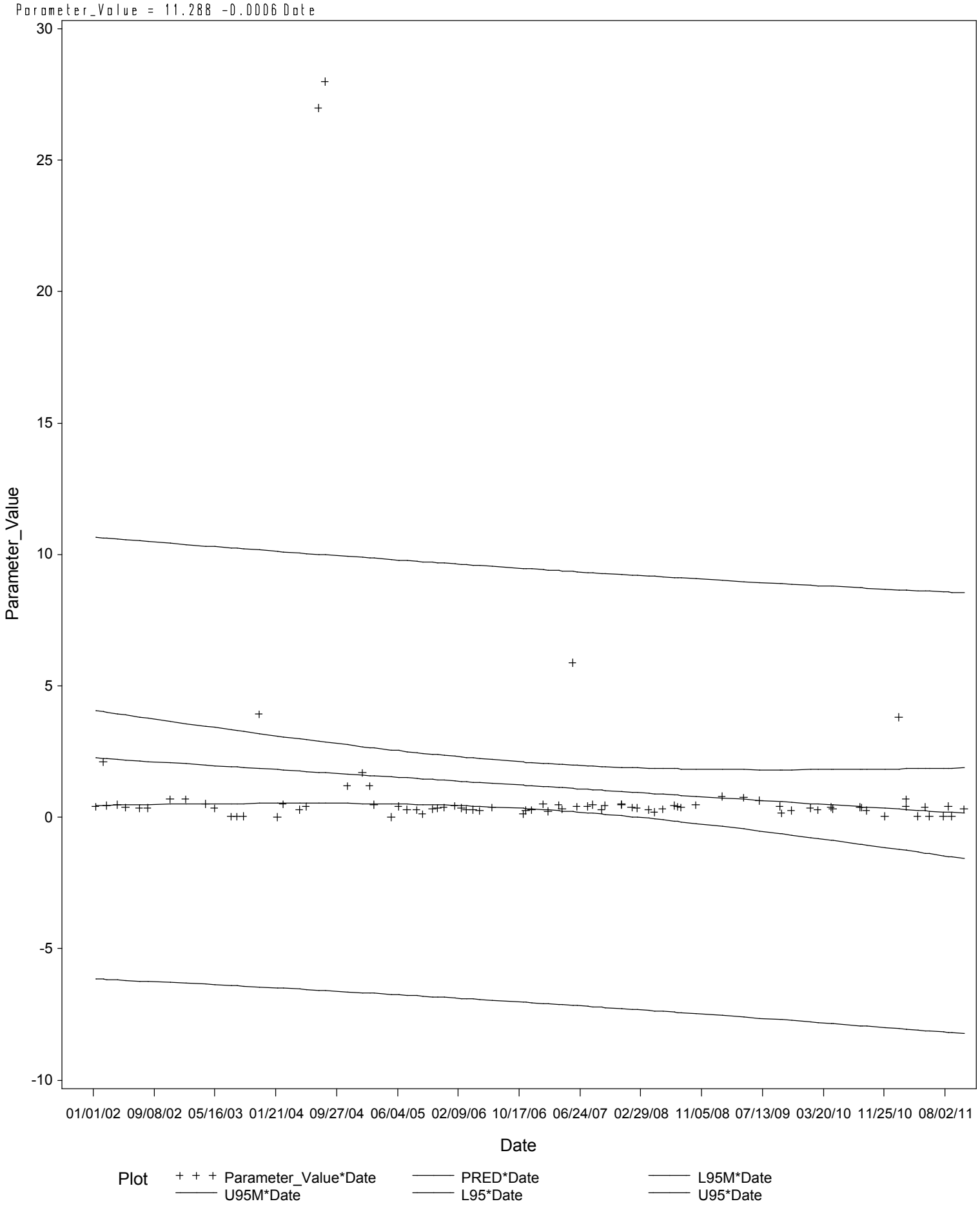
Rio Grande Below Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13208



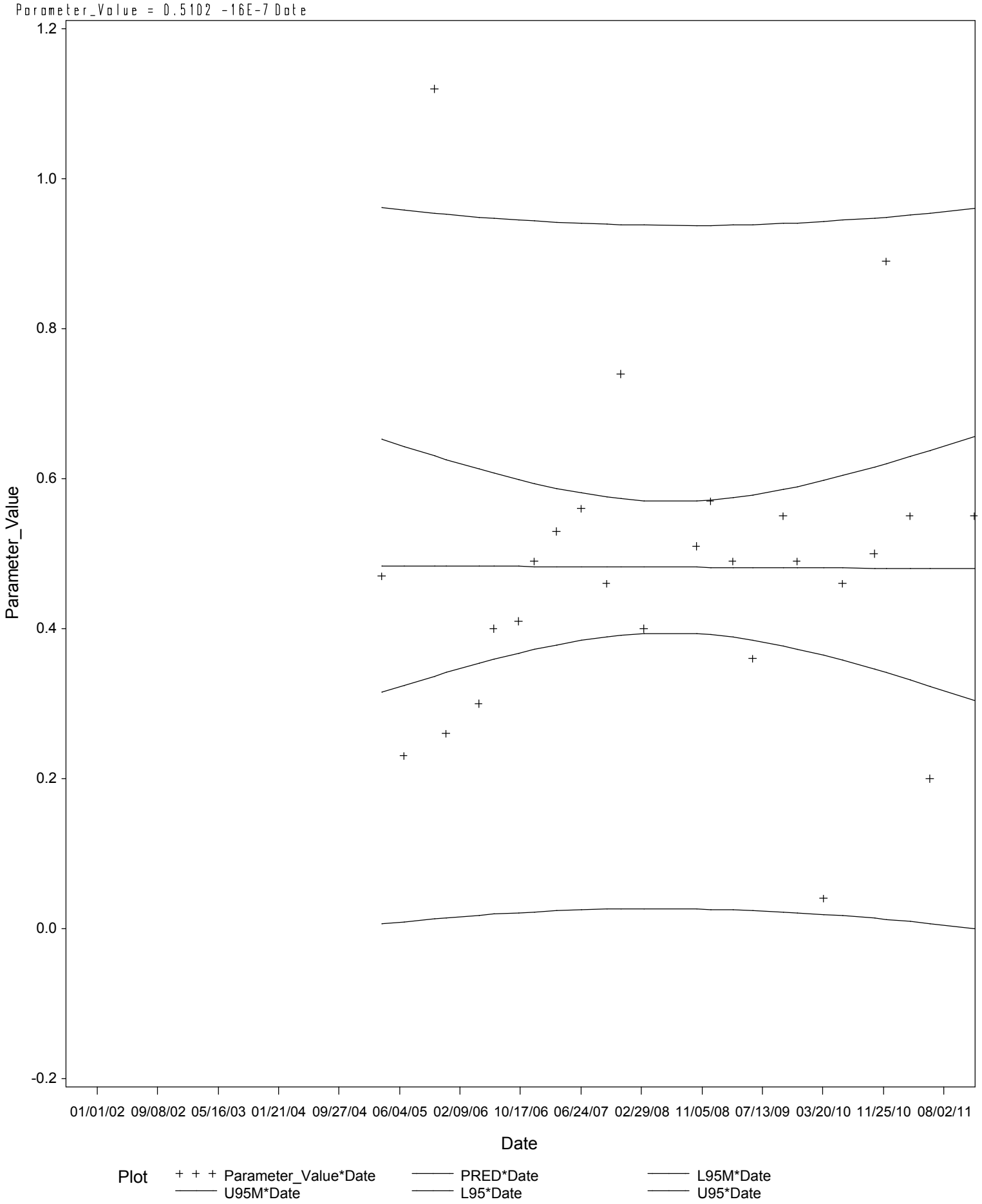
Rio Grande Below Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13560



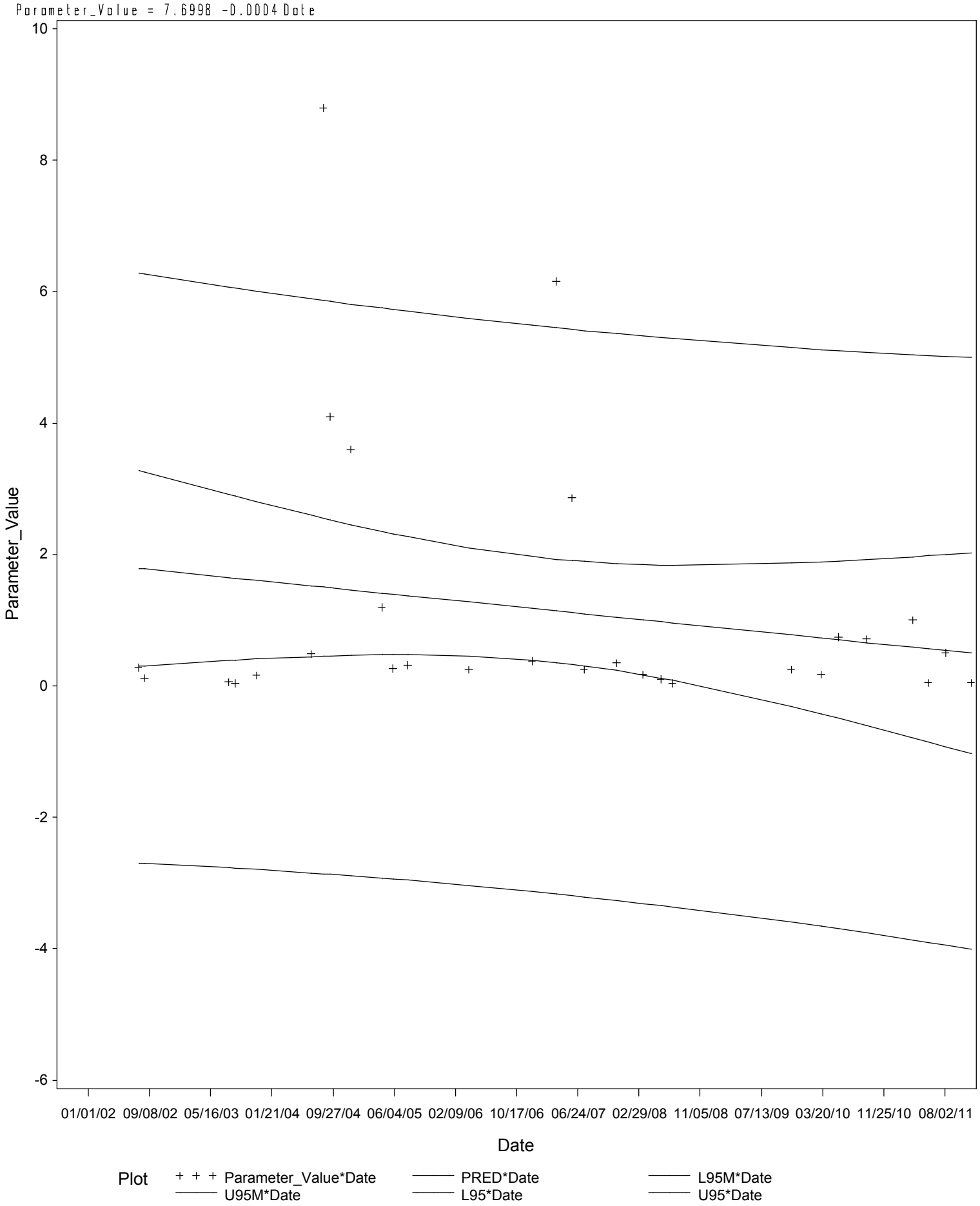
Rio Grande Below Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=15274



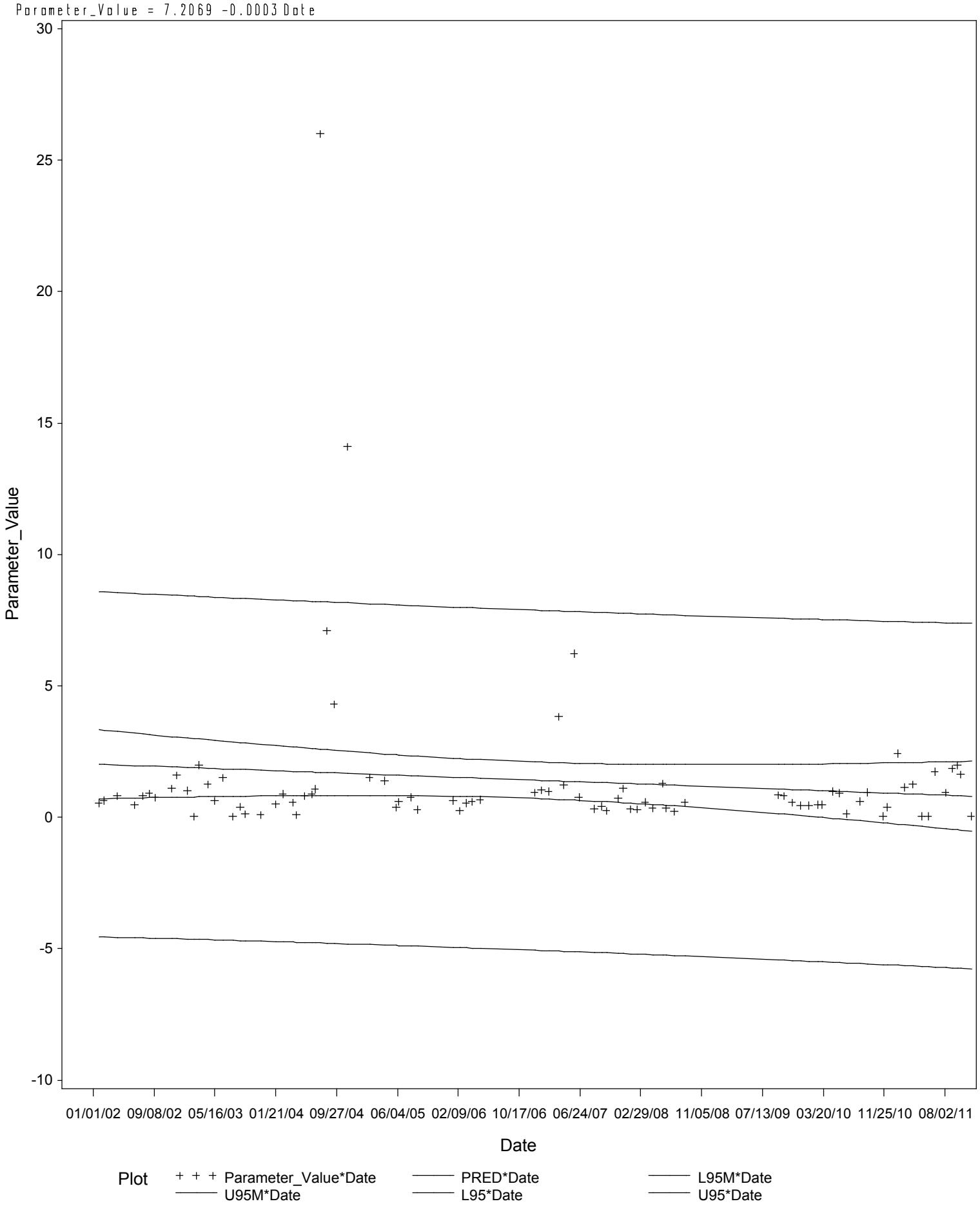
Rio Grande Below Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=15814



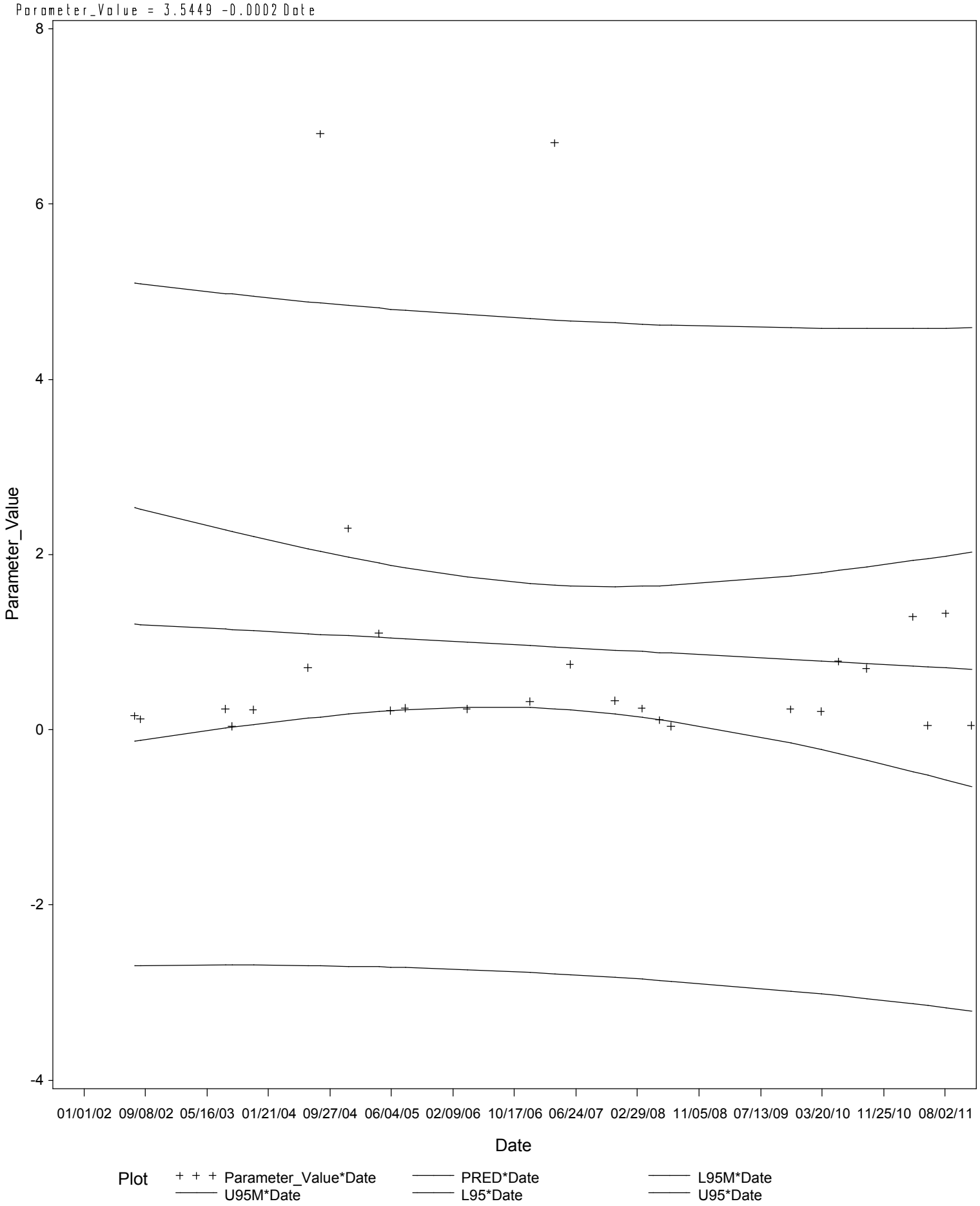
Rio Grande Below Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=15817



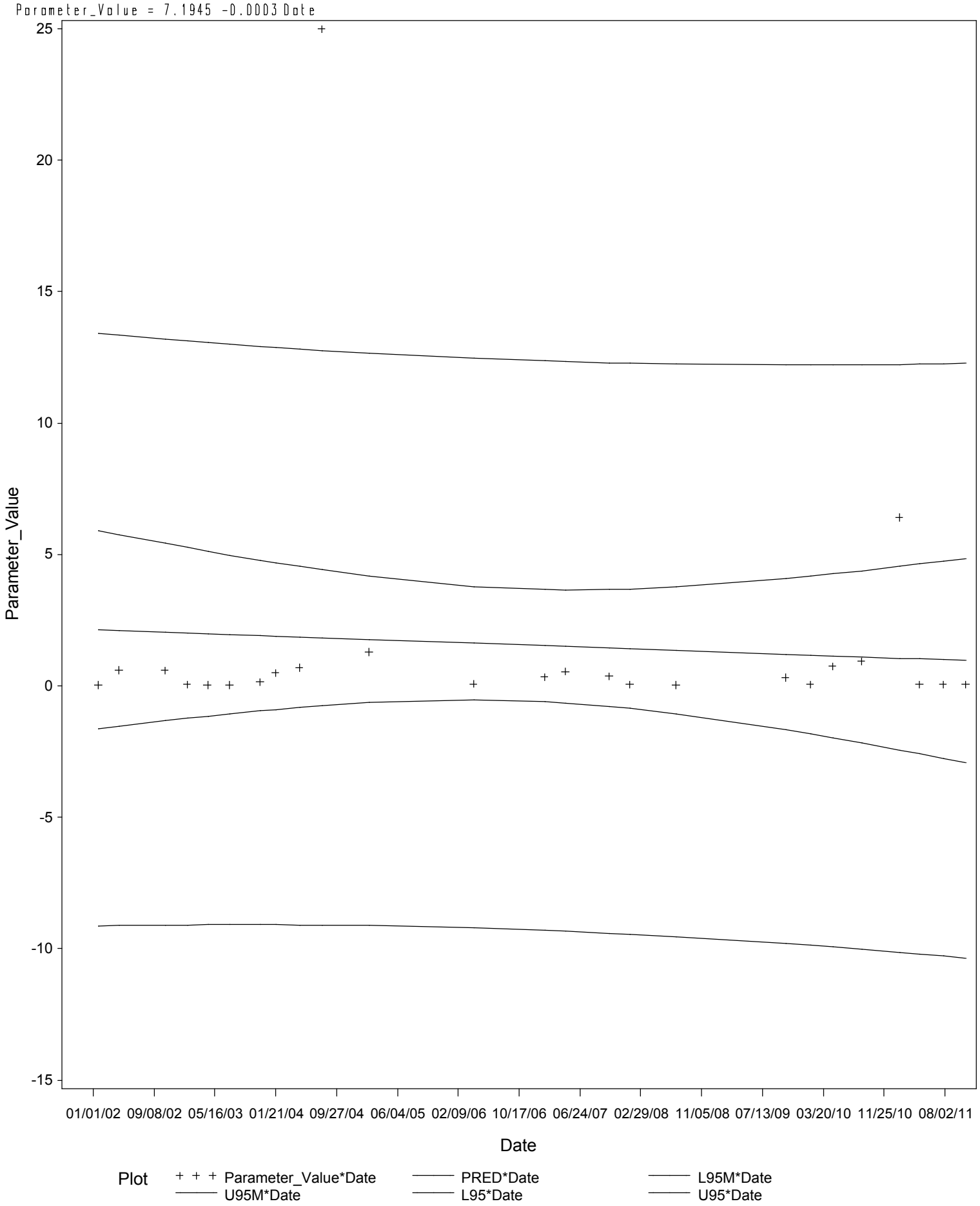
Rio Grande Below Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=17410



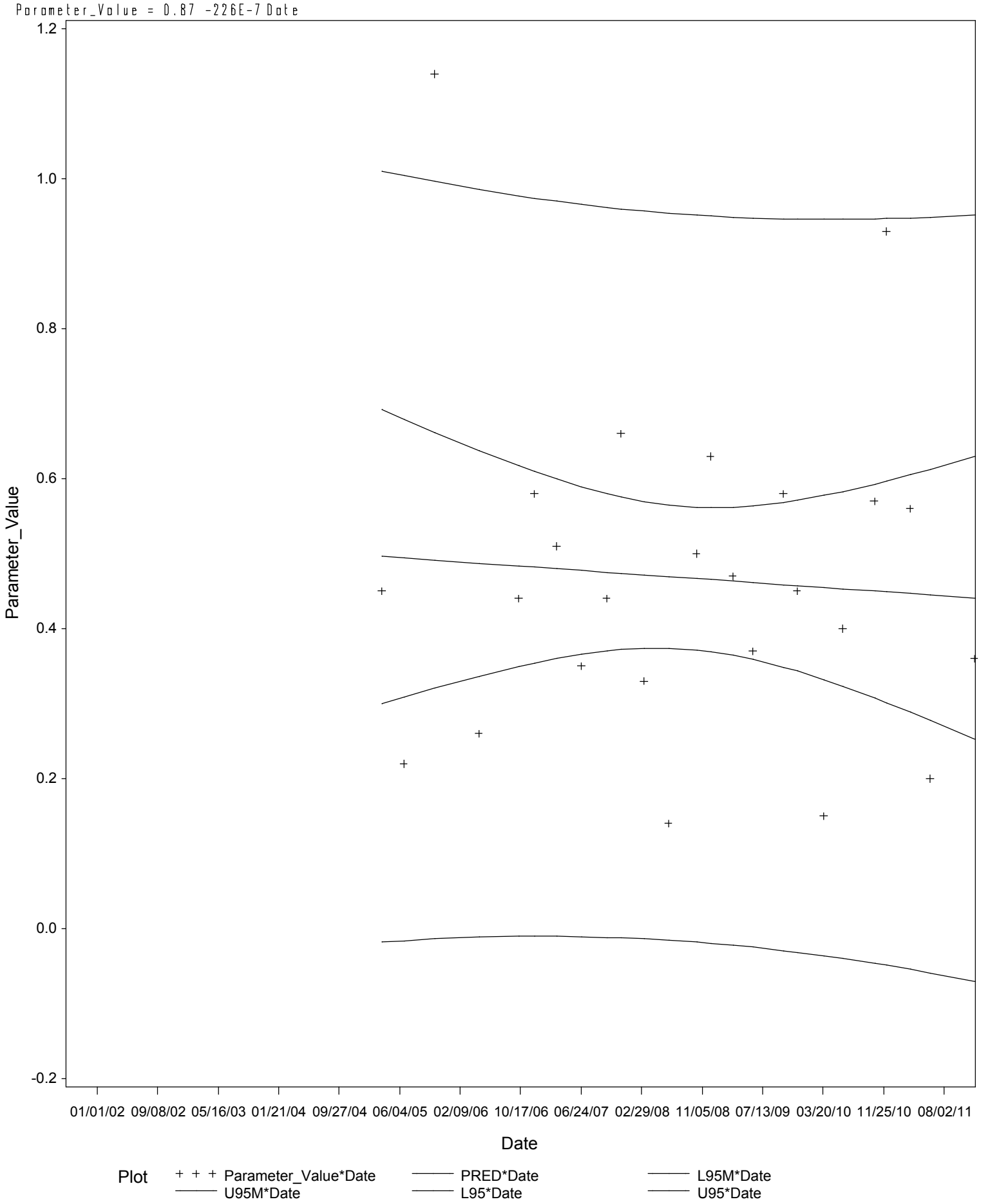
Rio Grande Below Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=17596



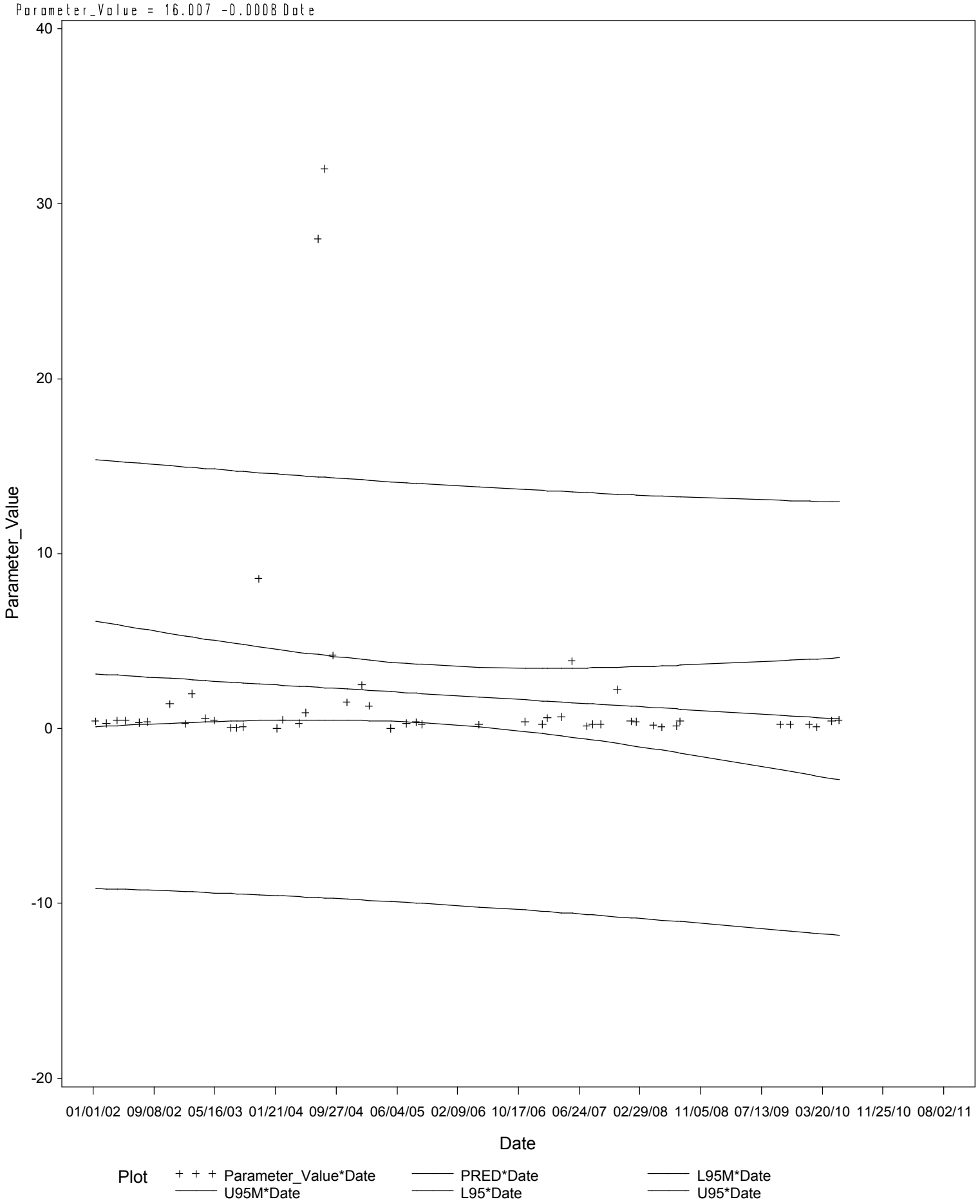
Rio Grande Below Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=18792



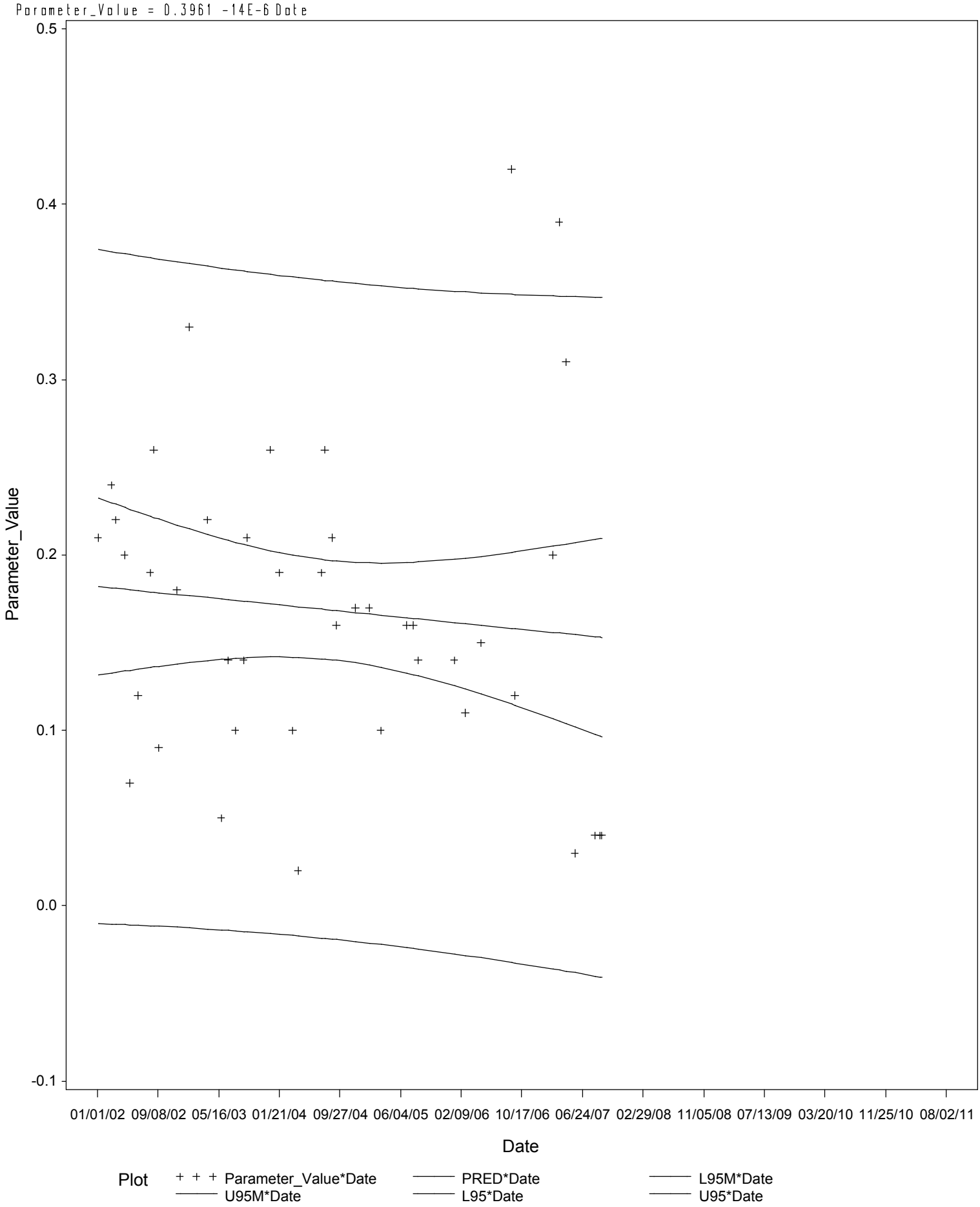
Rio Grande Below Amistad Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=18795



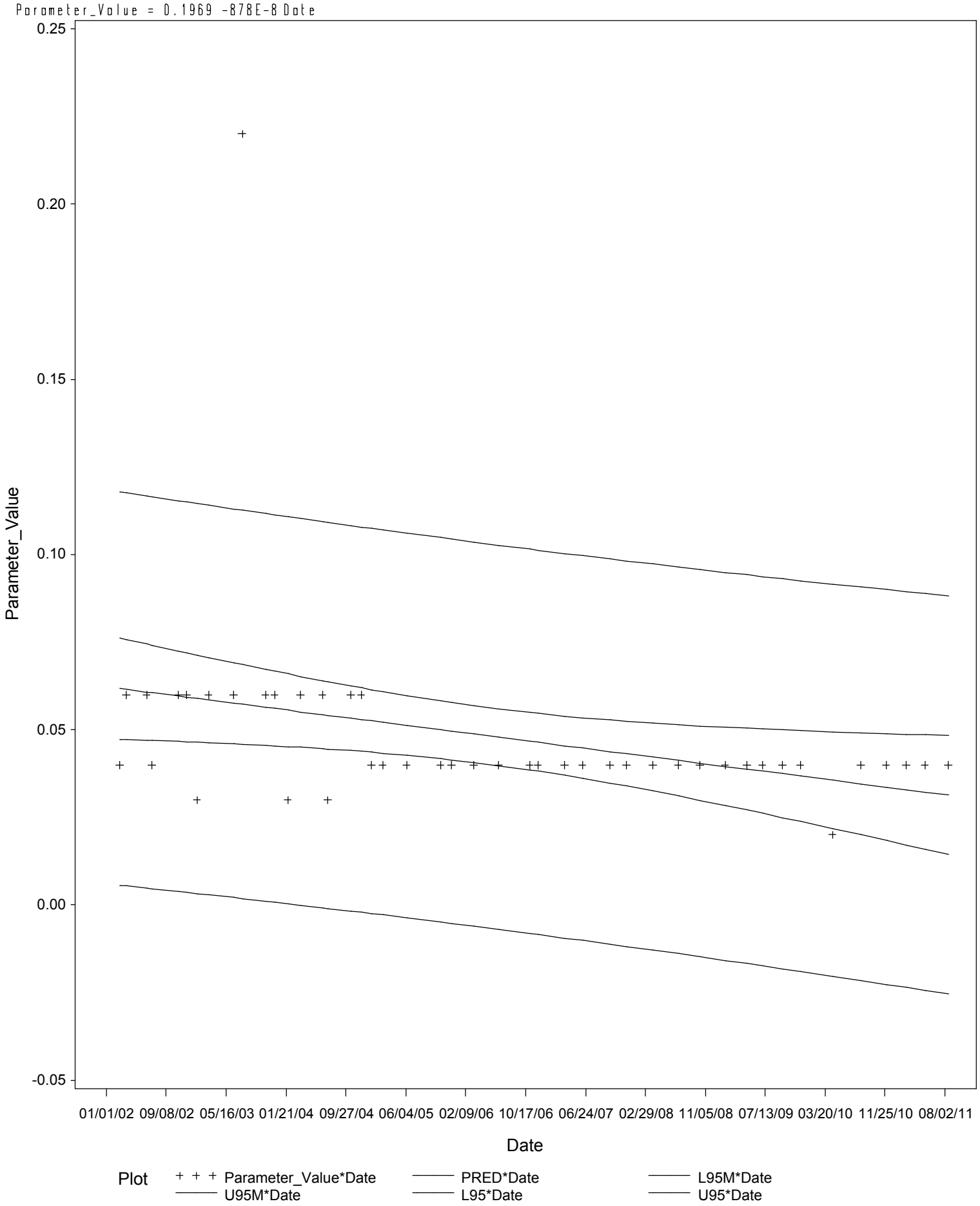
Rio Grande Below Amistad Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13196



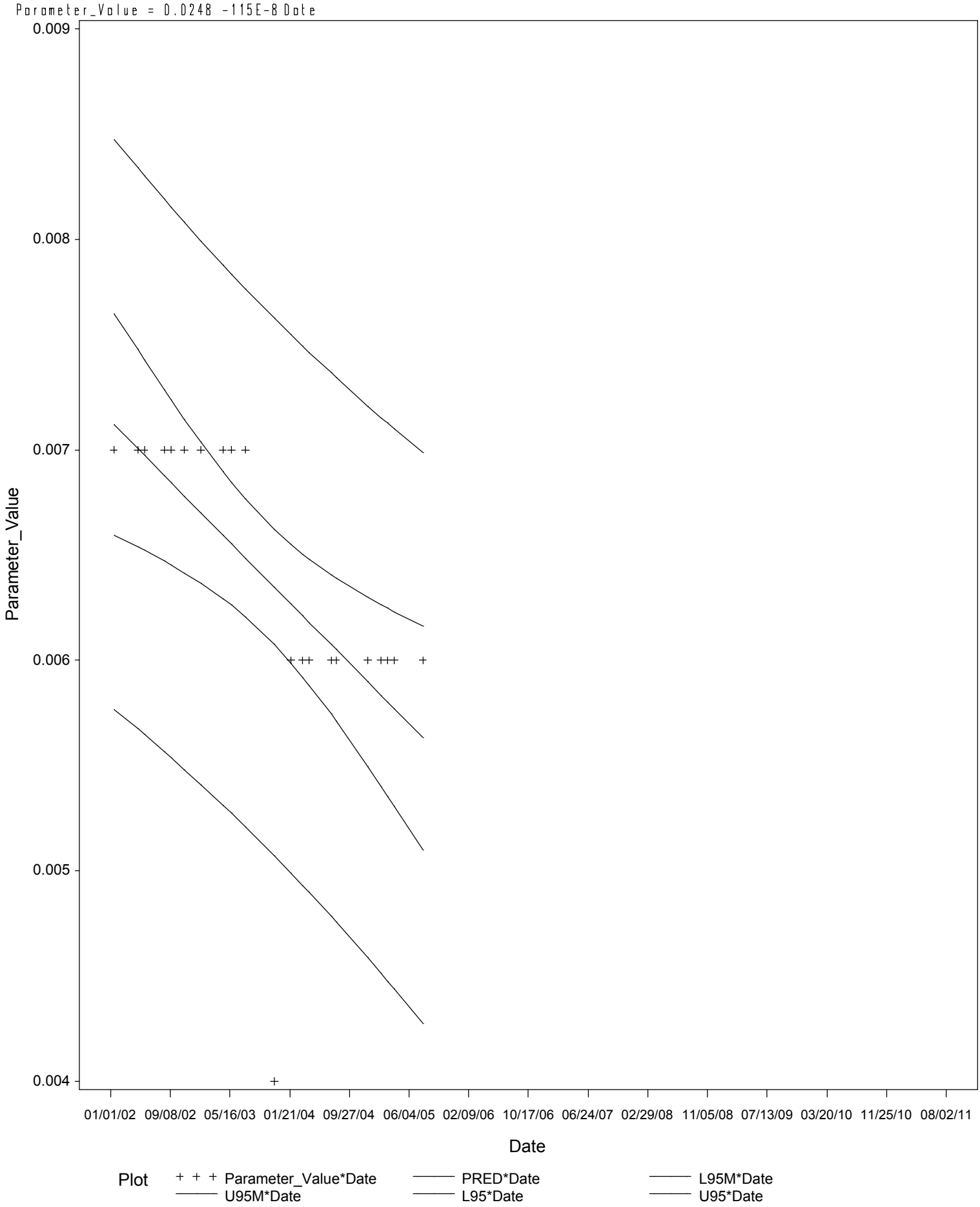
Rio Grande Below Amistad Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13208



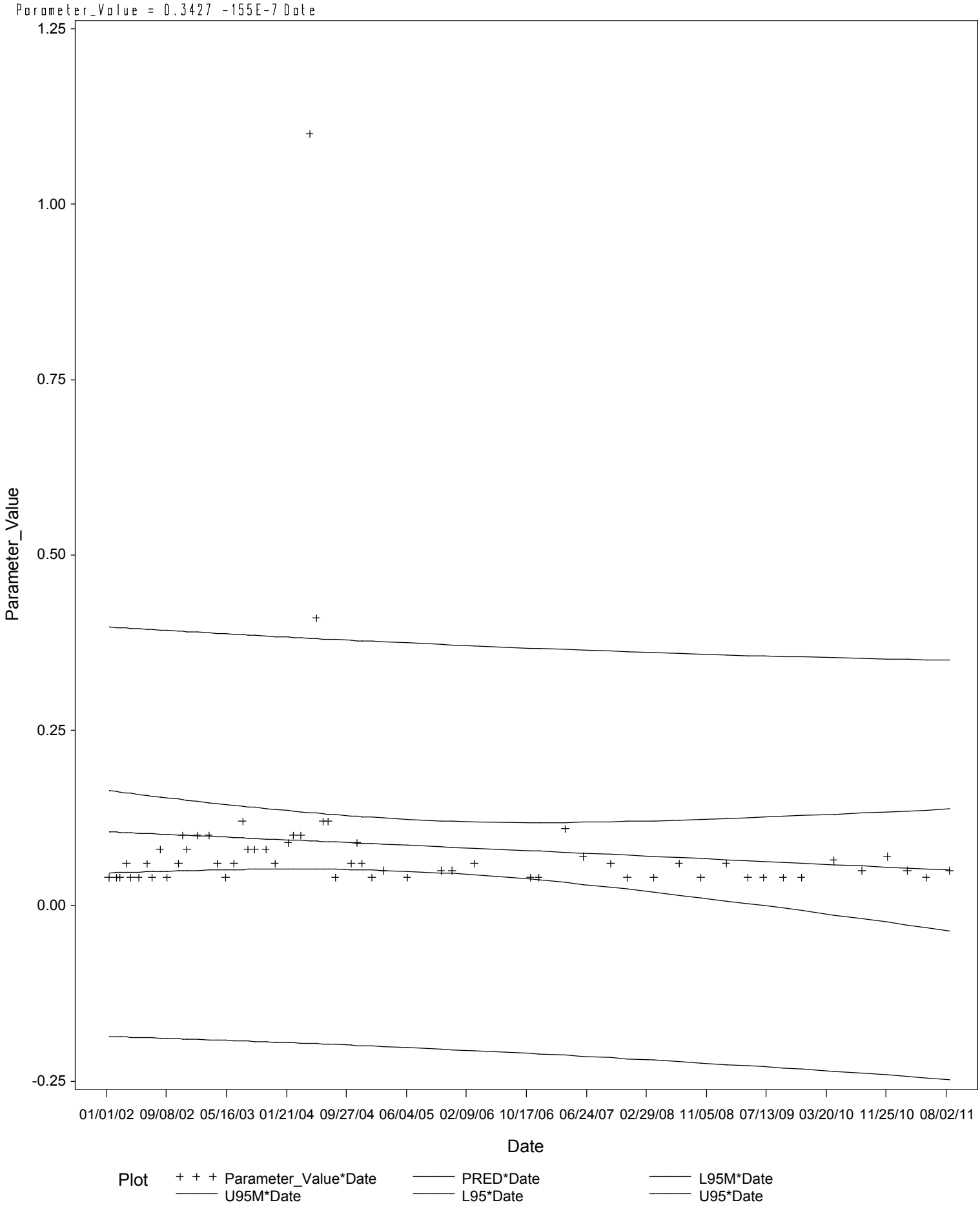
Rio Grande Below Amistad Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13209



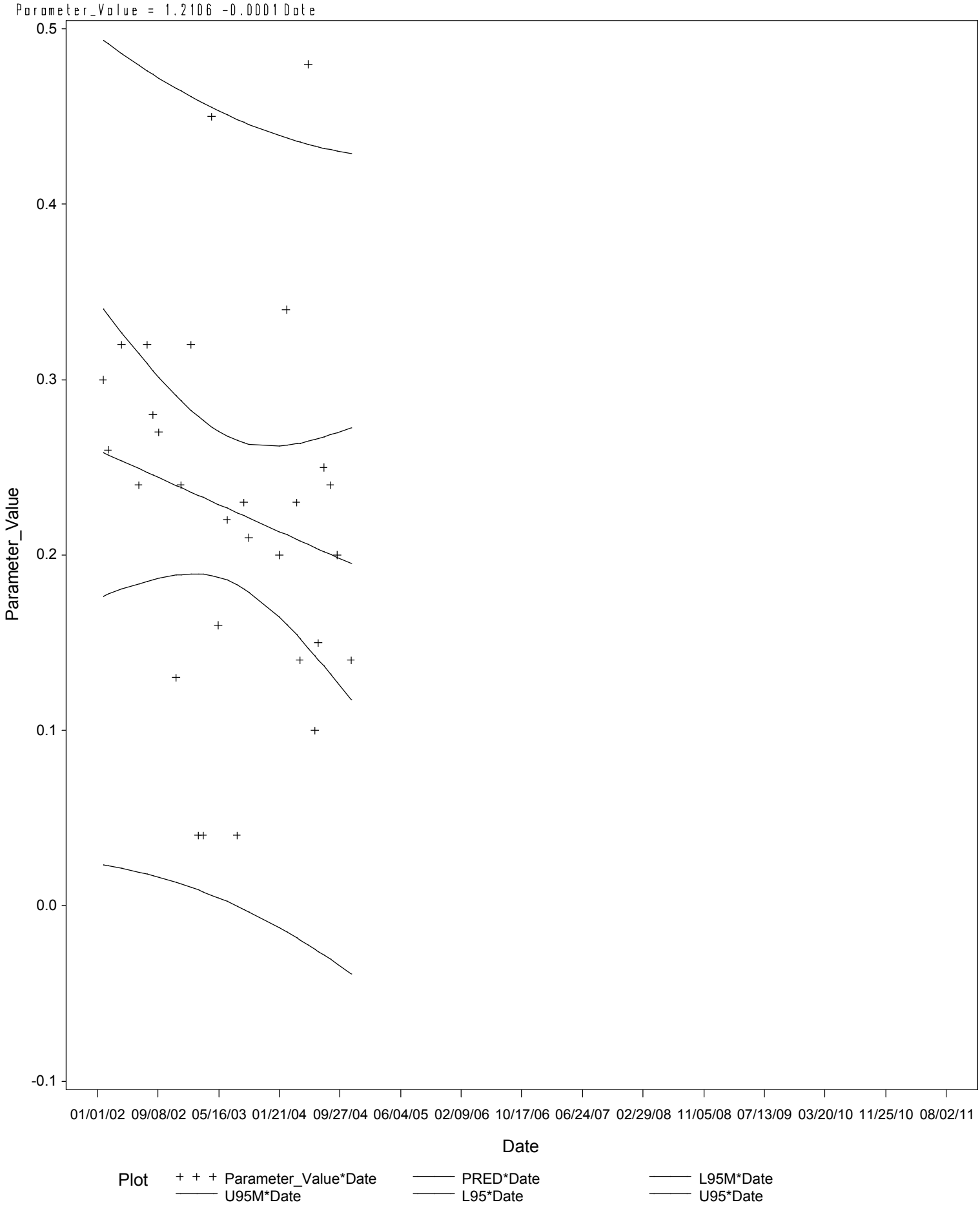
Rio Grande Below Amistad Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13560



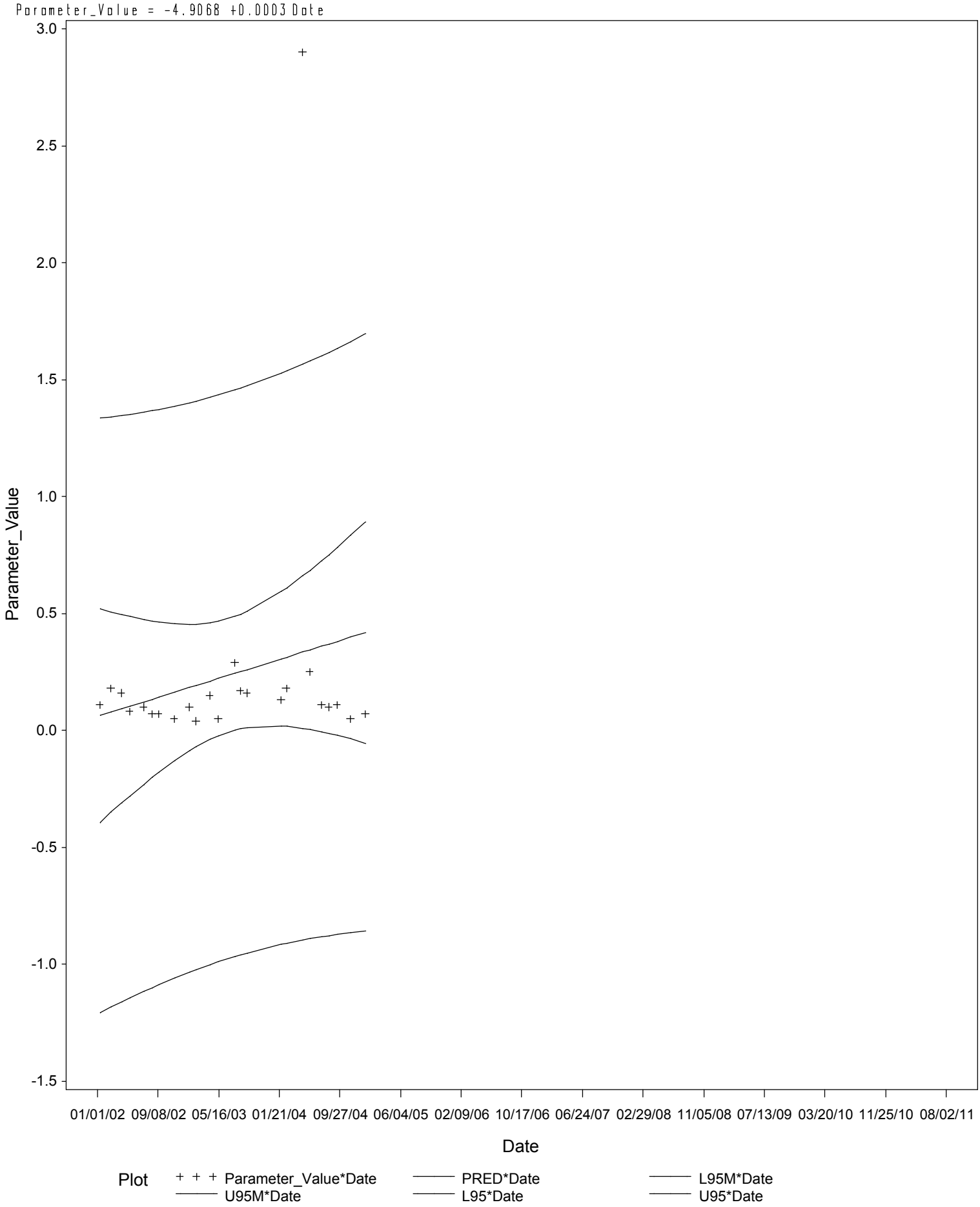
Rio Grande Below Amistad Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=15817



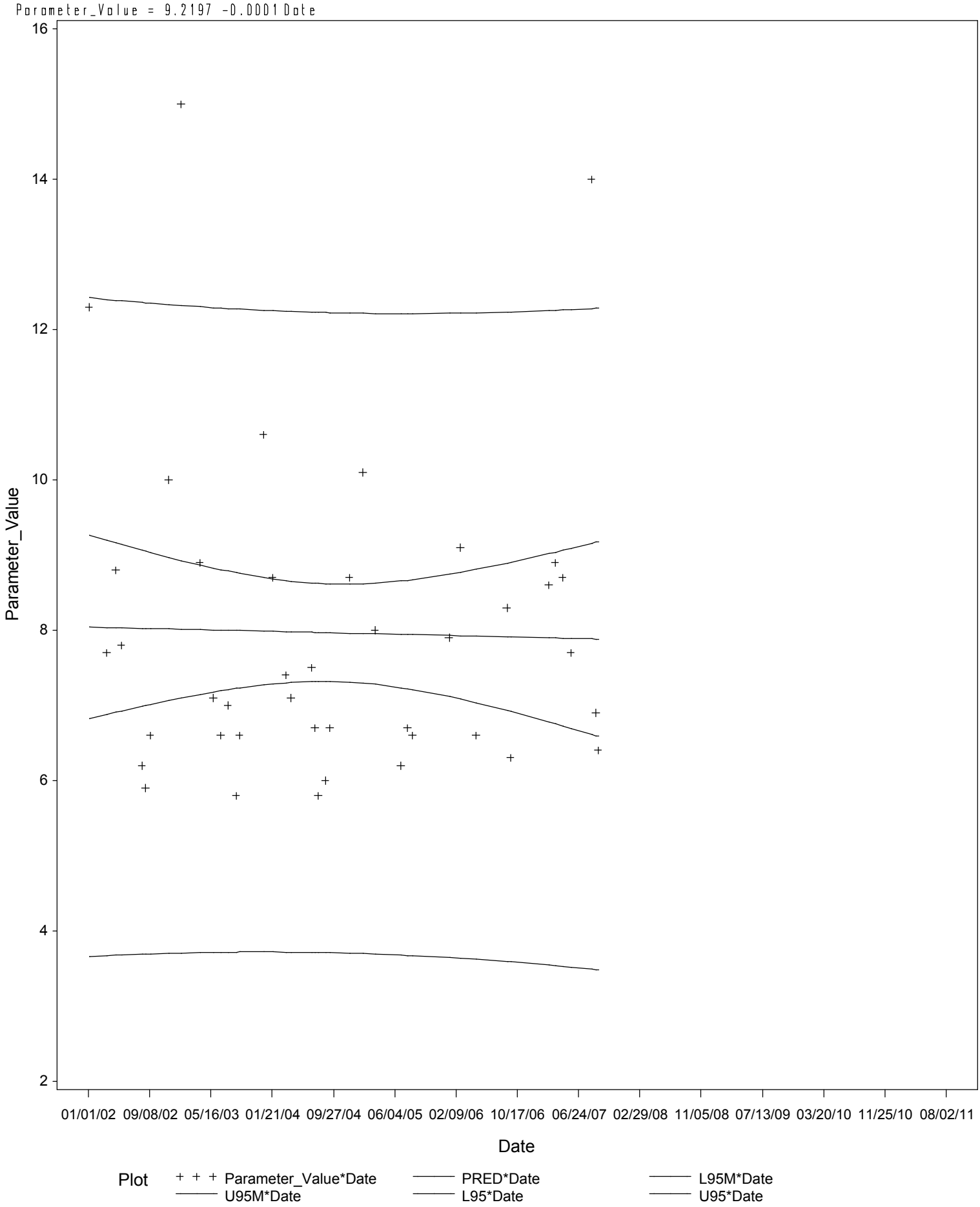
Rio Grande Below Amistad Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=18795



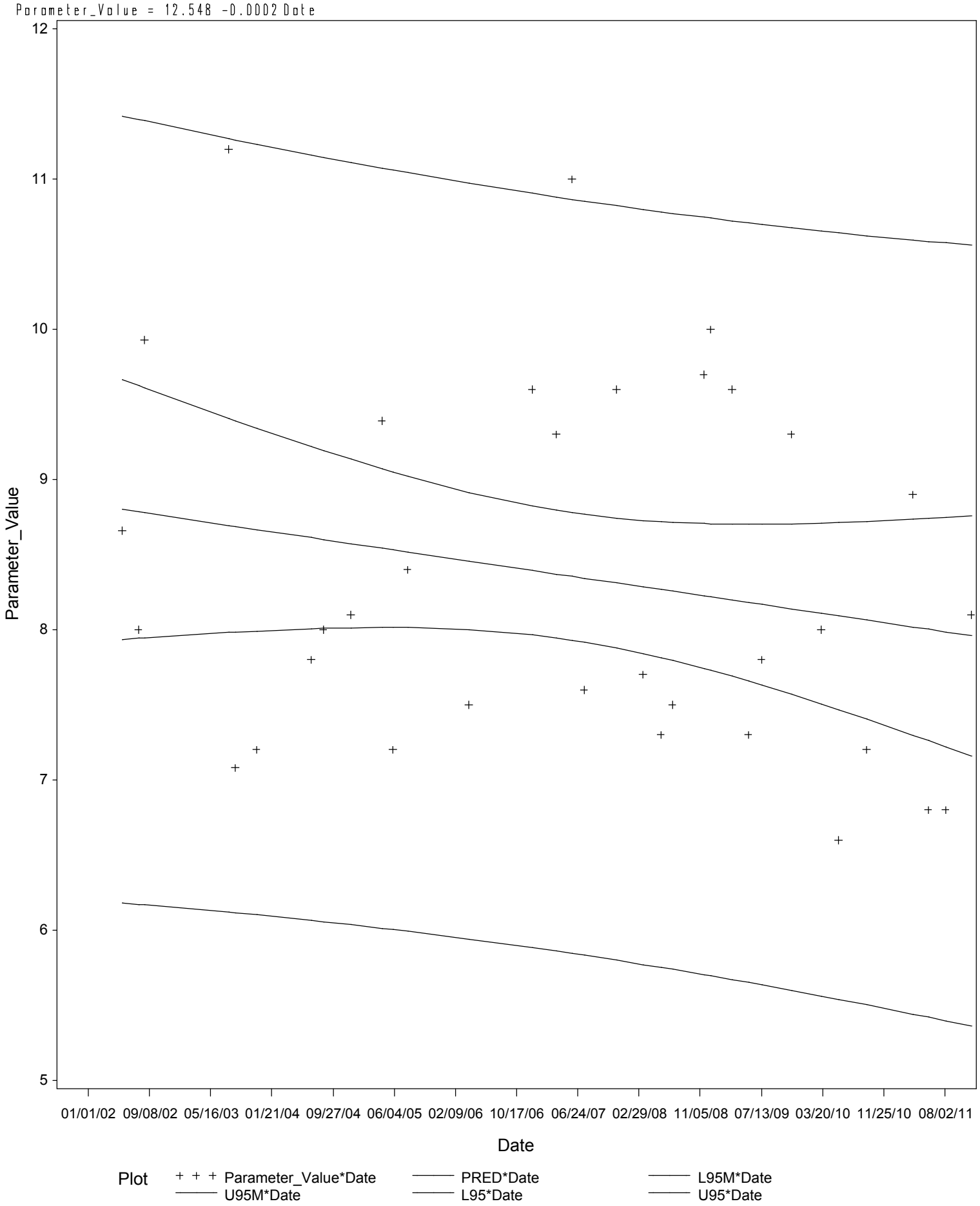
Rio Grande Below Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13196



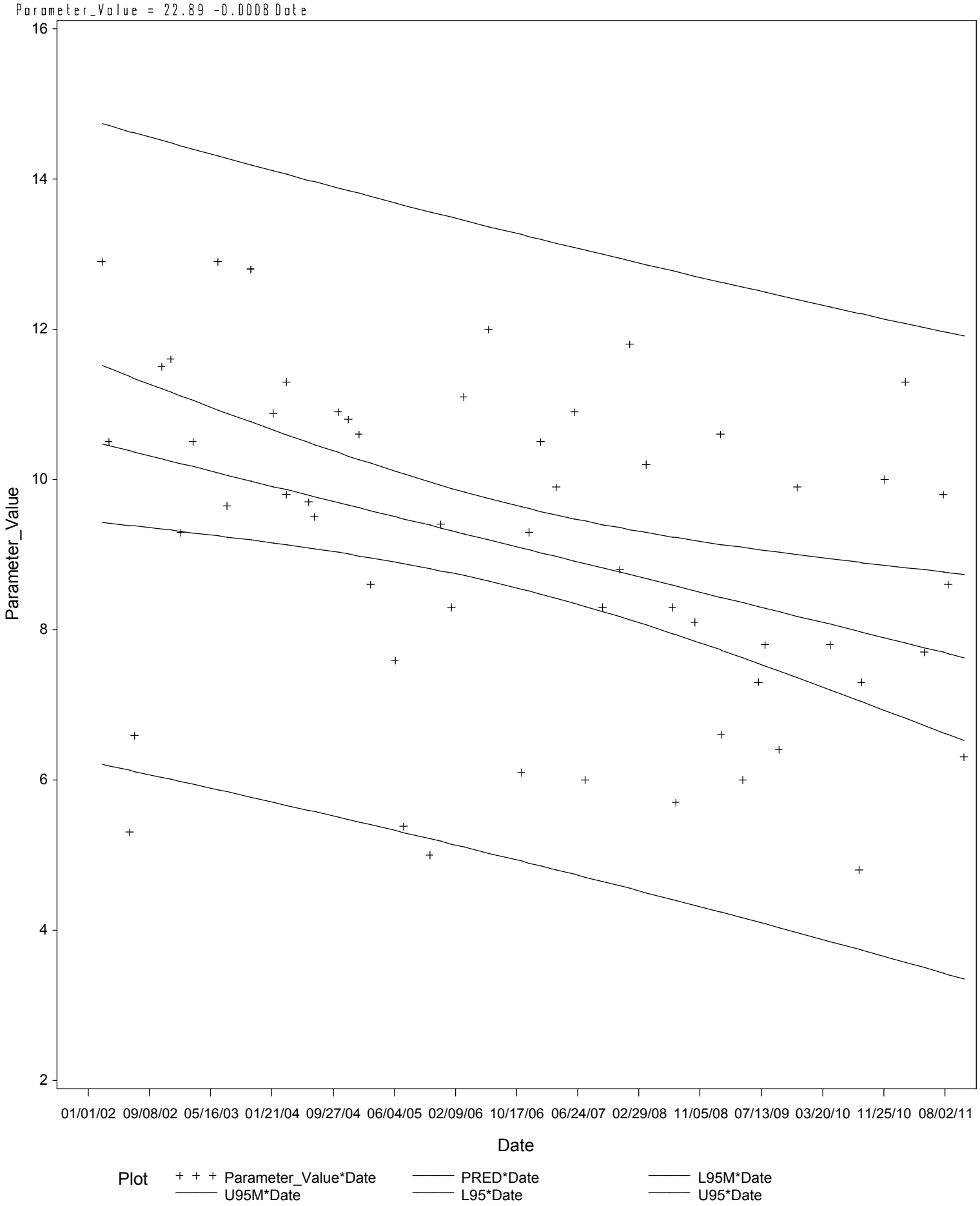
Rio Grande Below Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13202



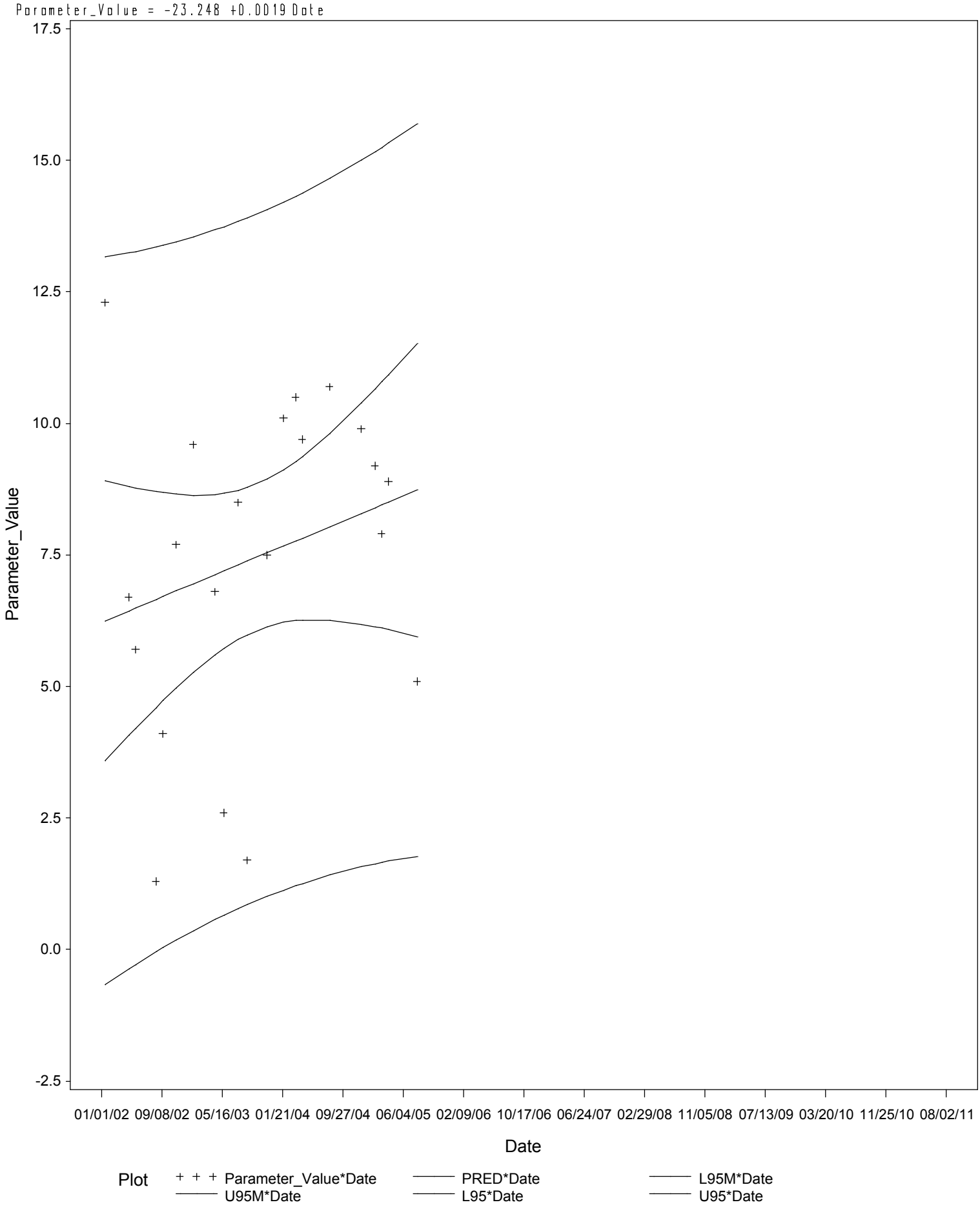
Rio Grande Below Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13208



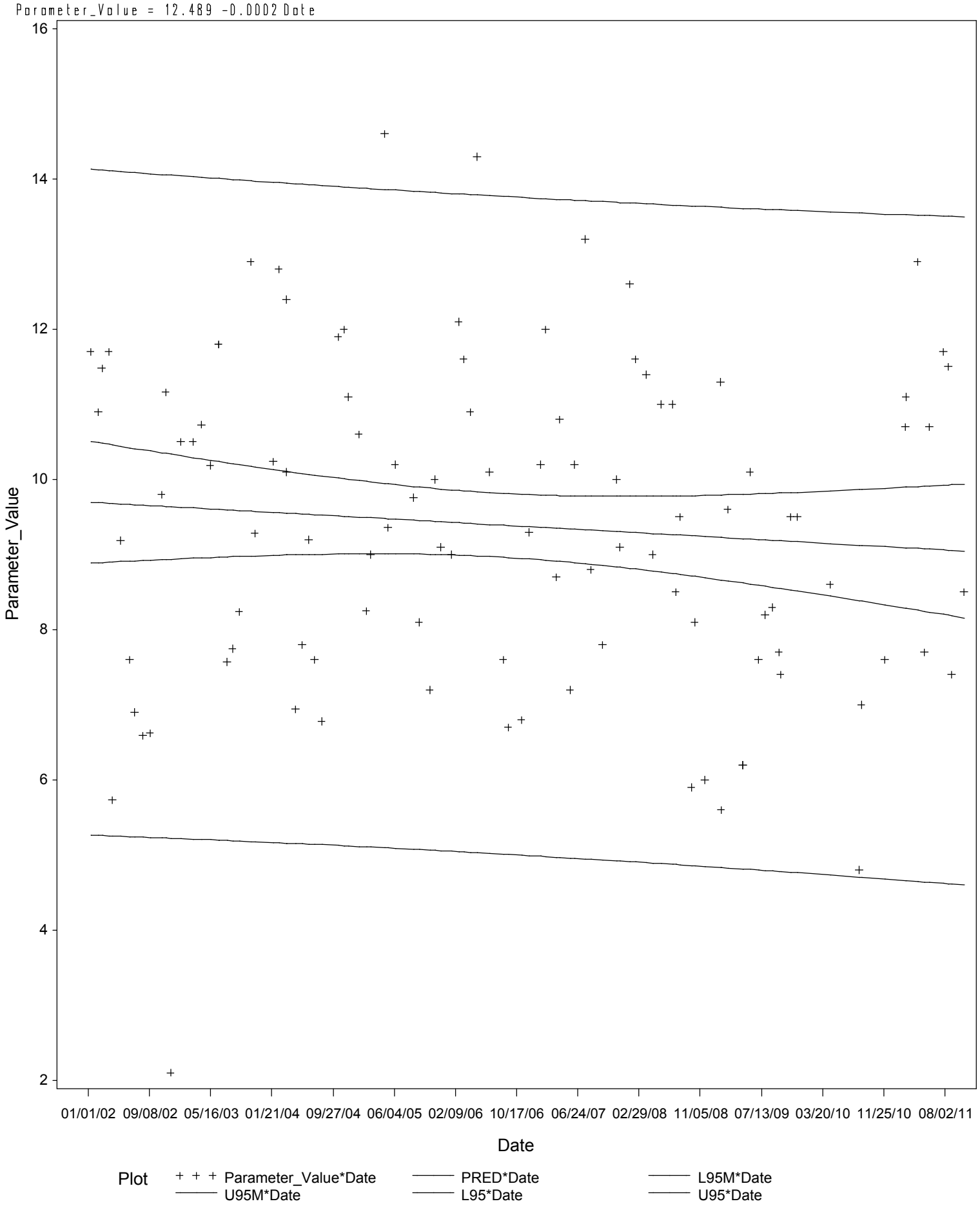
Rio Grande Below Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13209



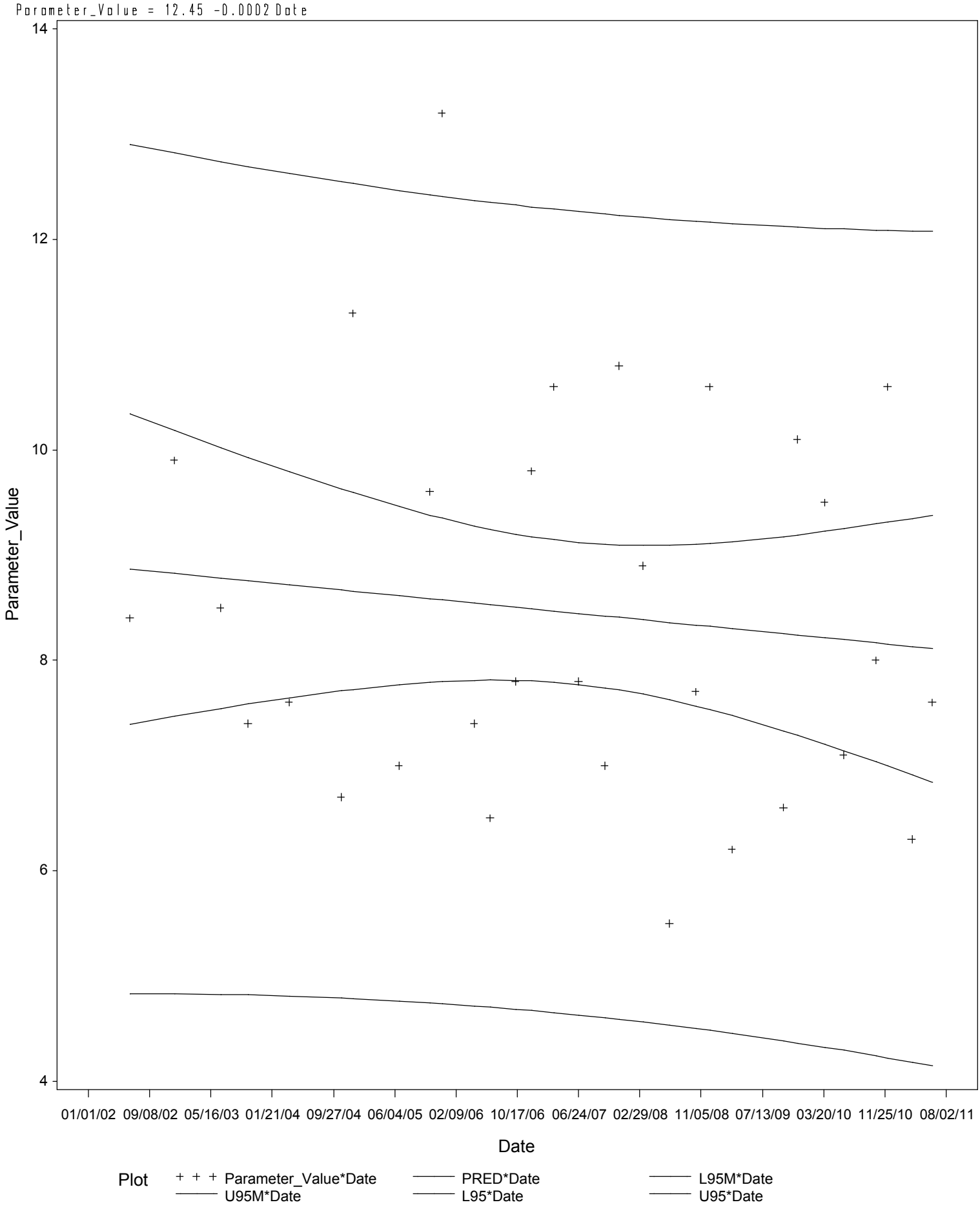
Rio Grande Below Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13560



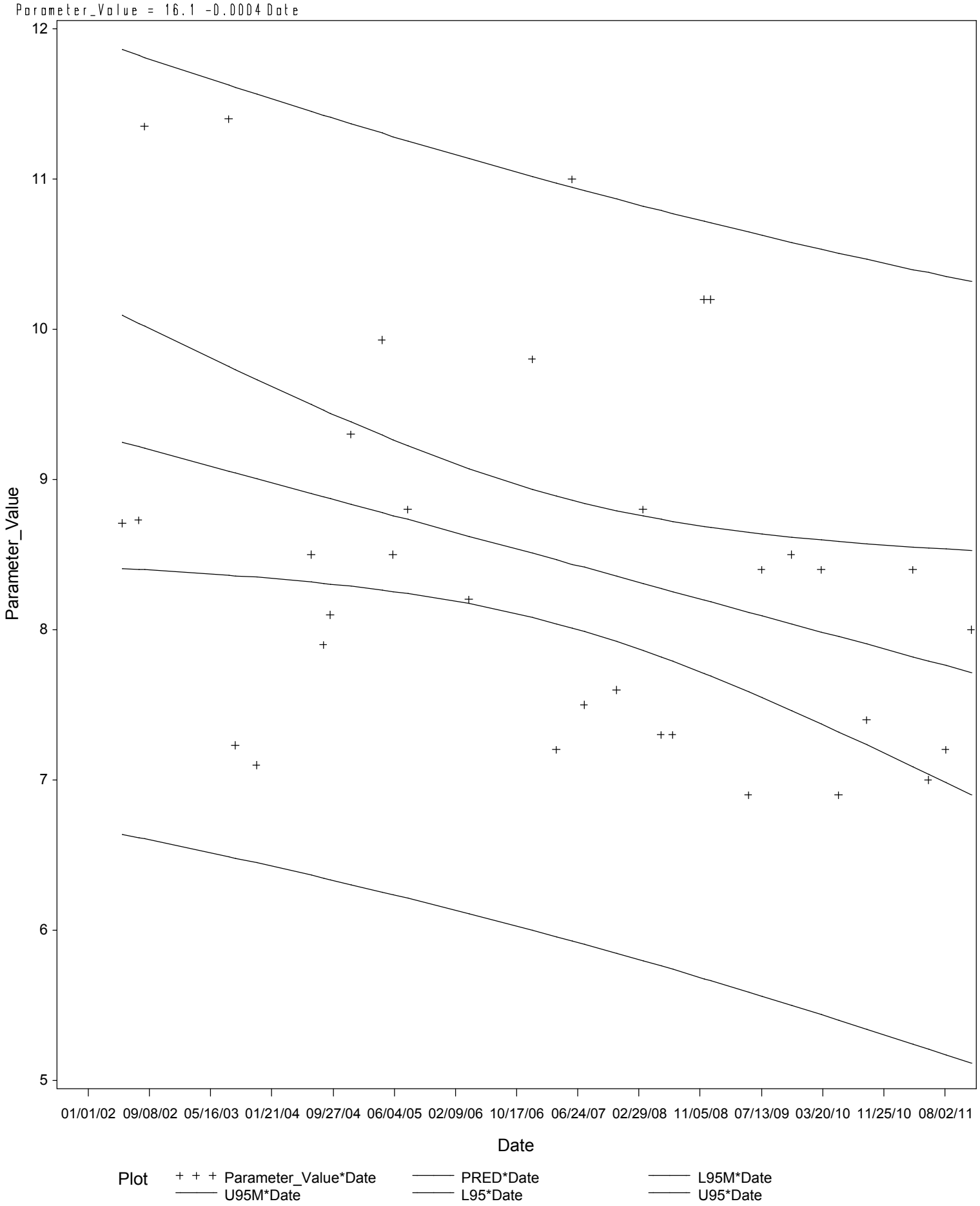
Rio Grande Below Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=15274



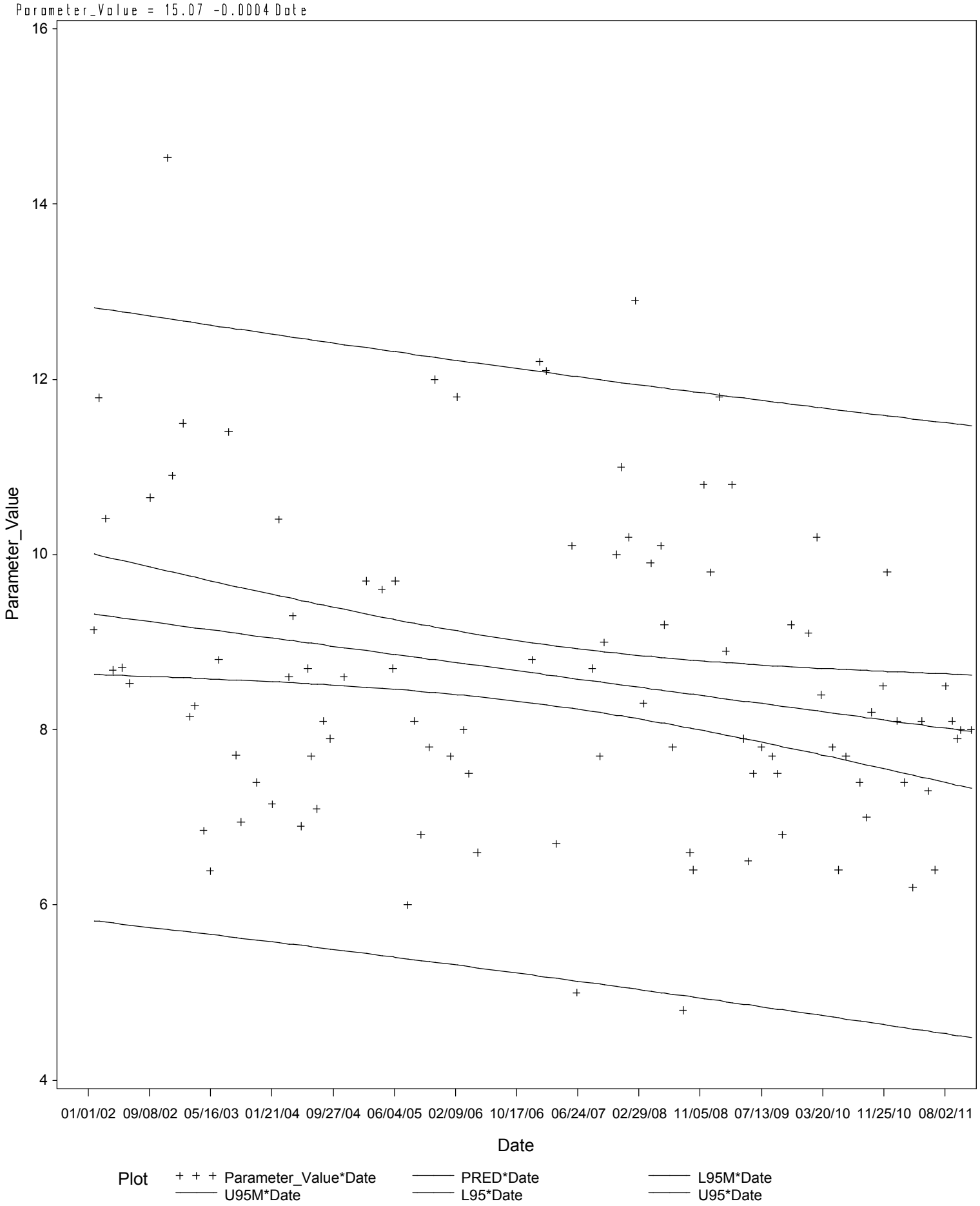
Rio Grande Below Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=15814



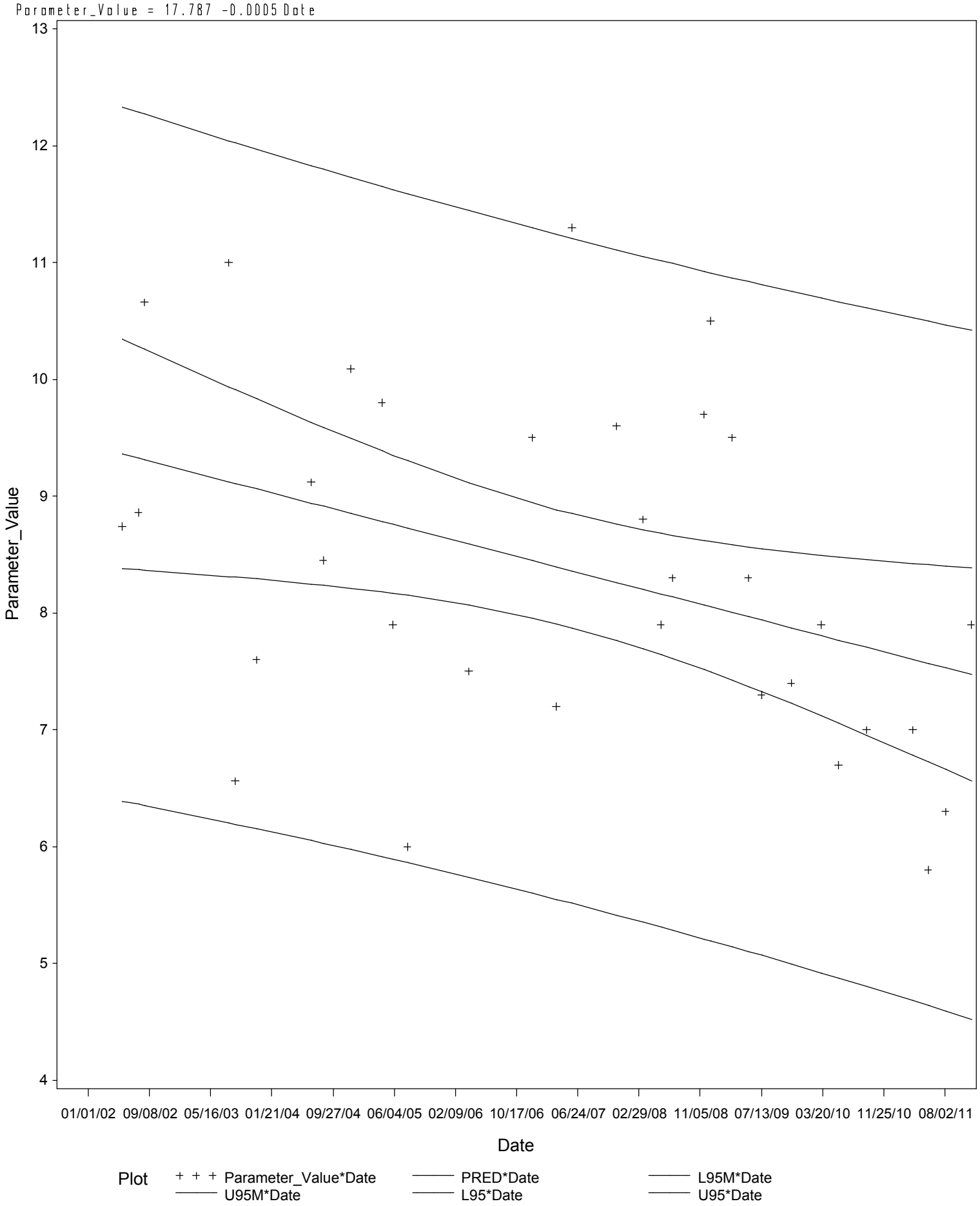
Rio Grande Below Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=15817



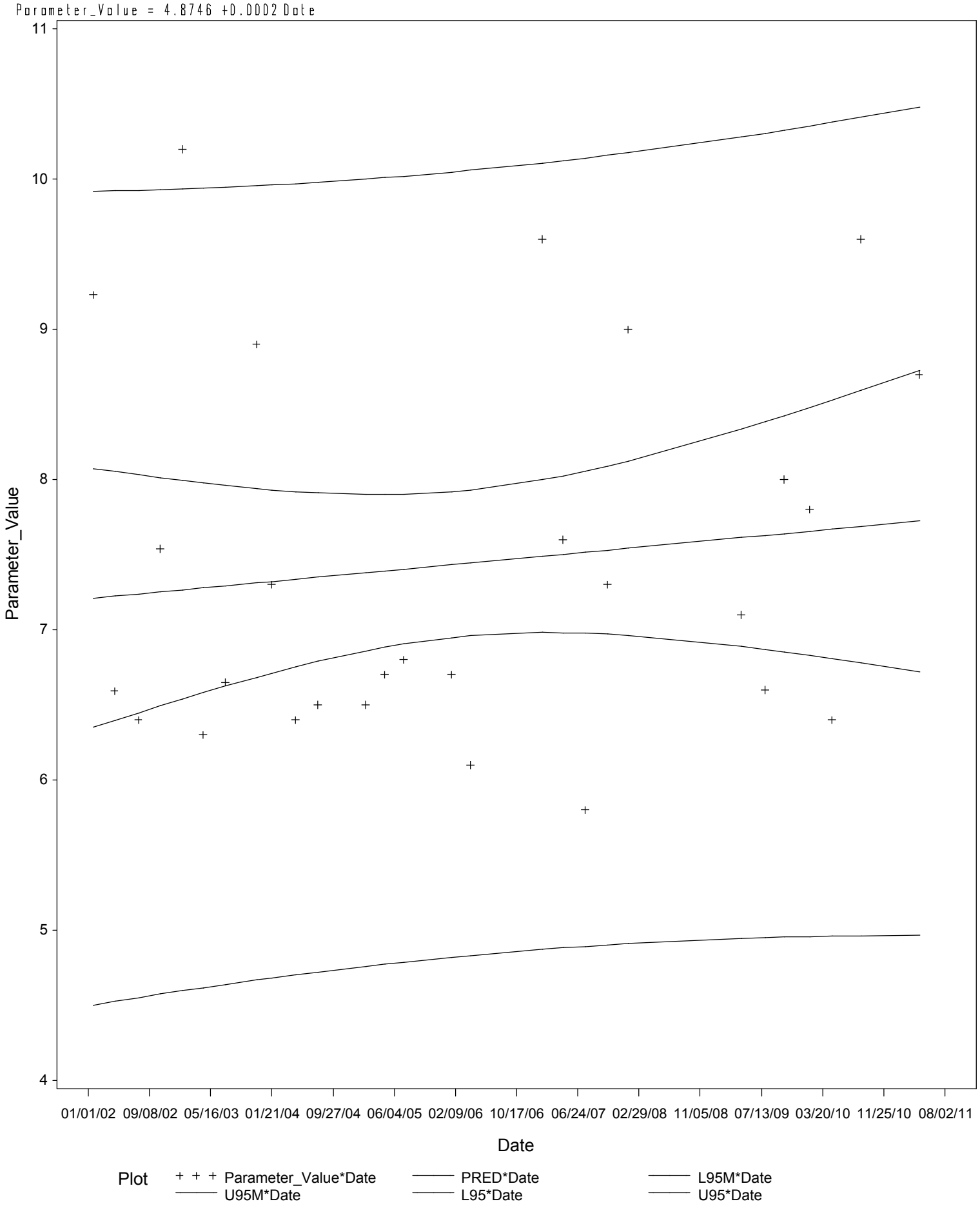
Rio Grande Below Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=17410



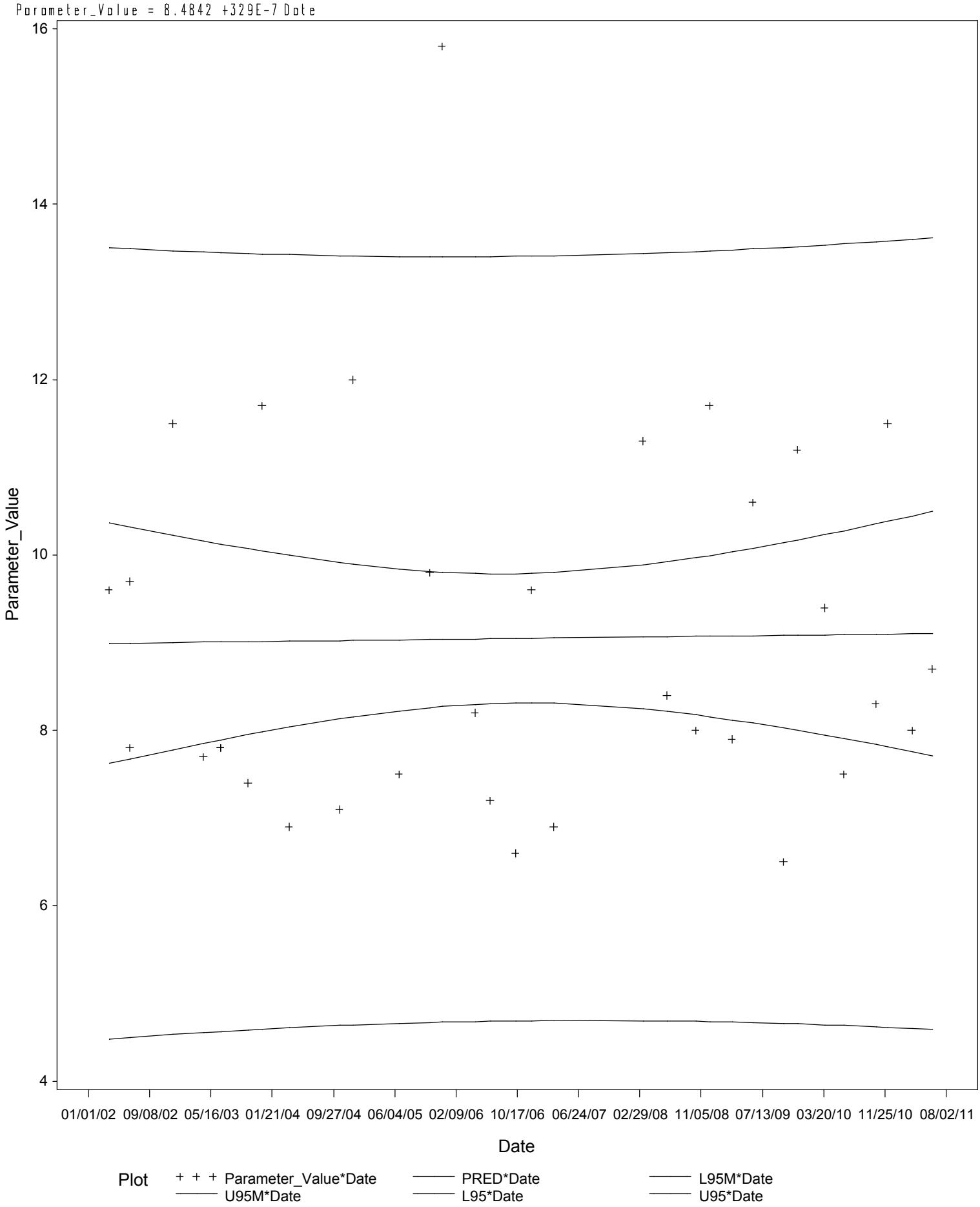
Rio Grande Below Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=17596



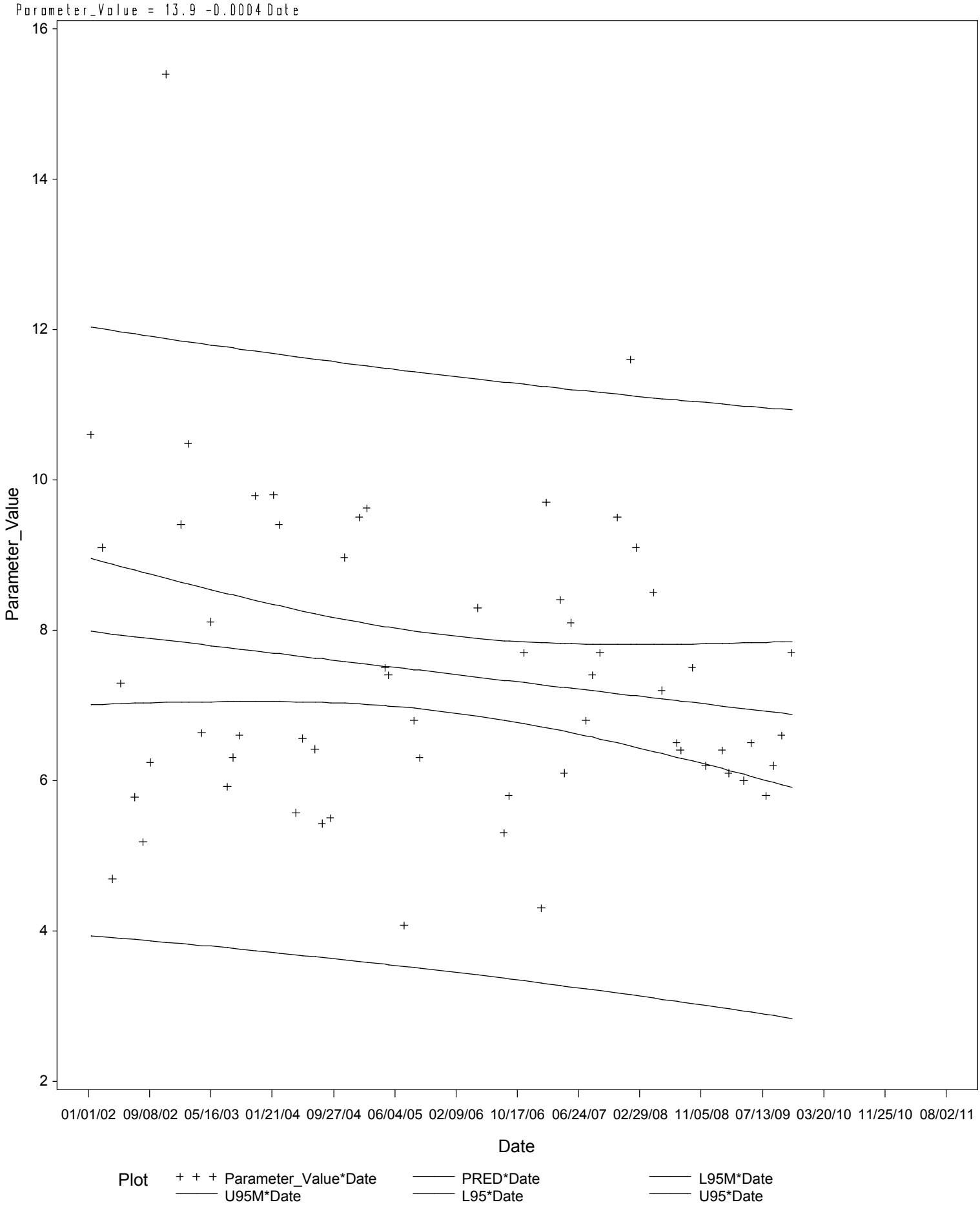
Rio Grande Below Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=18792



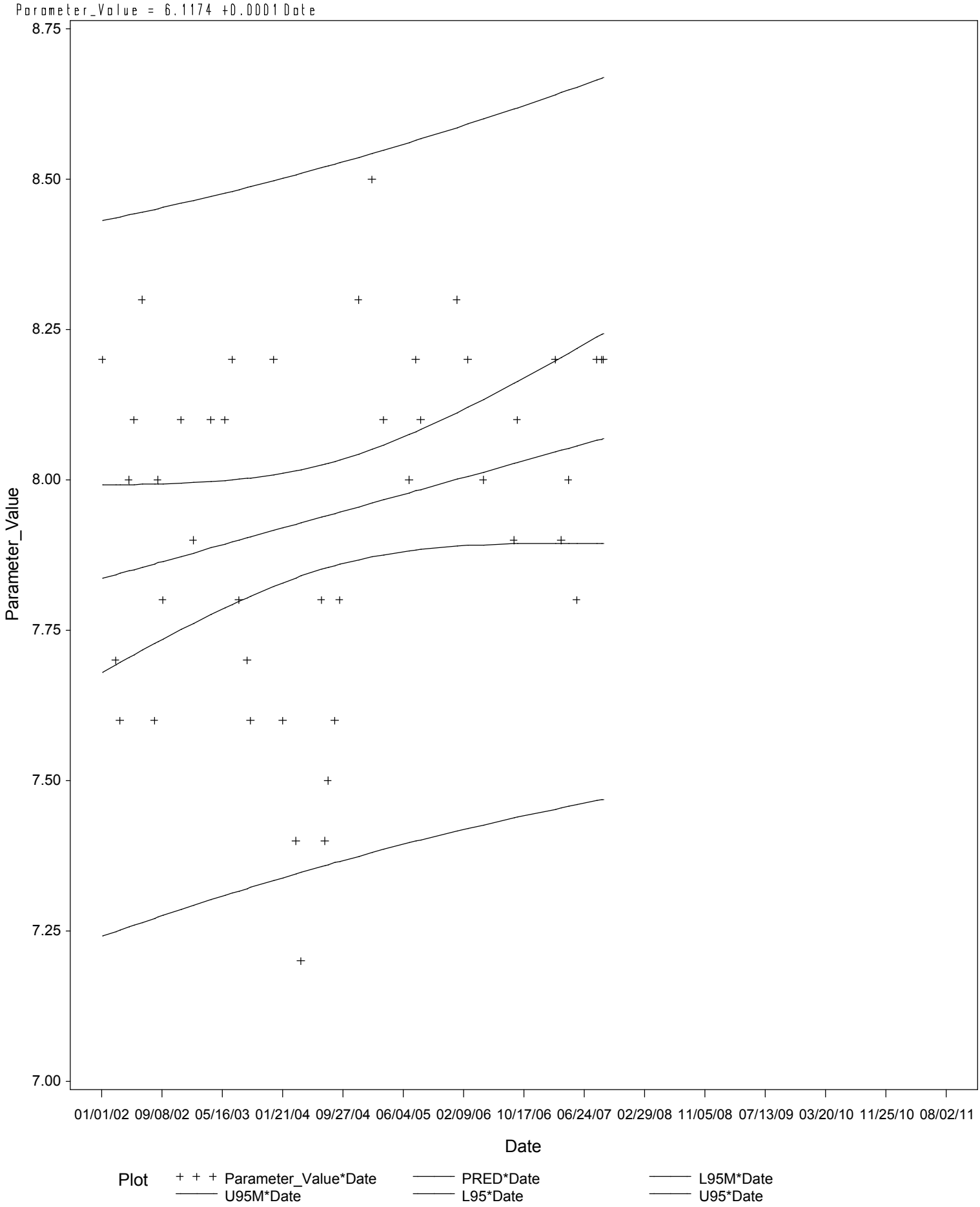
Rio Grande Below Amistad Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=18795



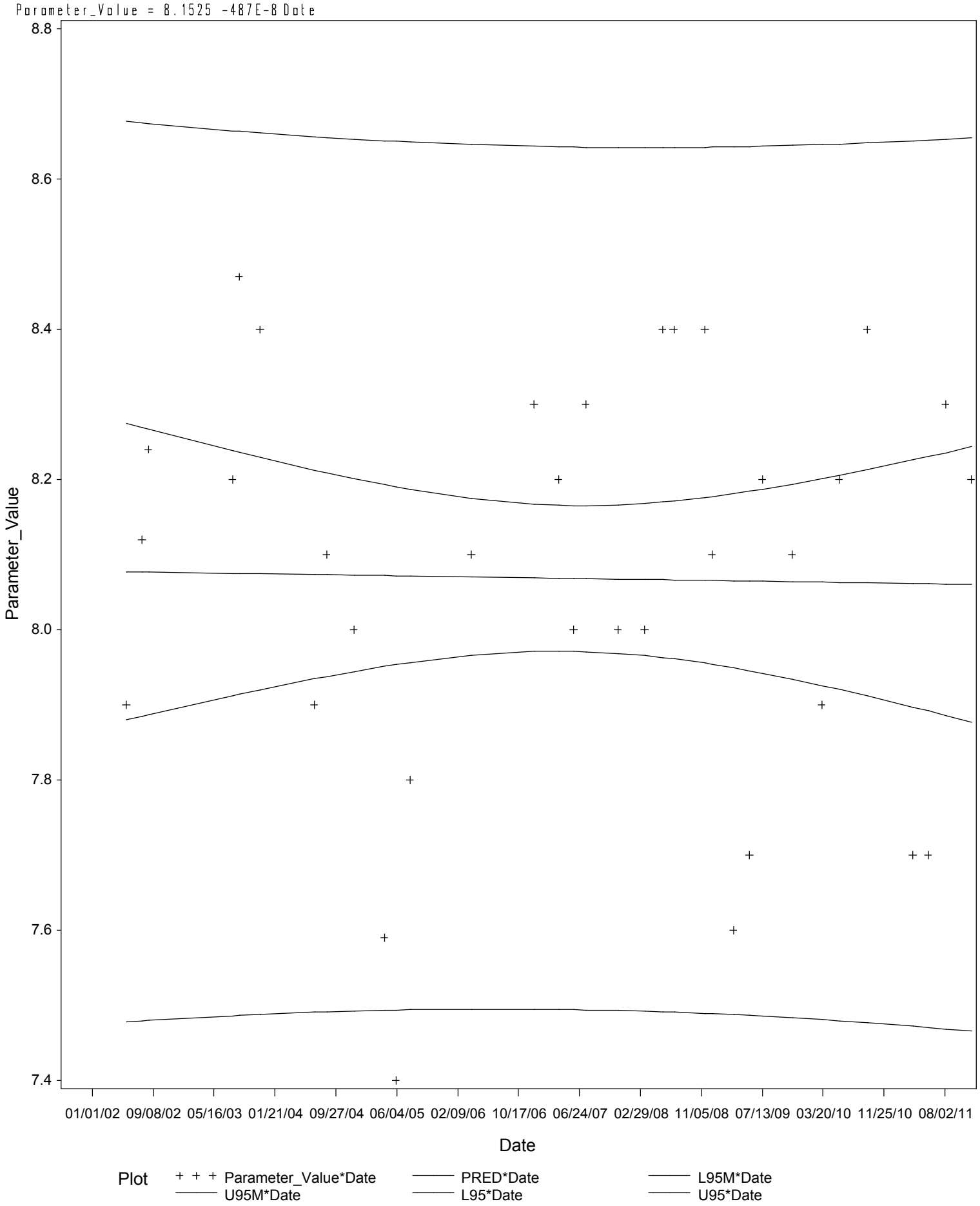
Rio Grande Below Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=13196



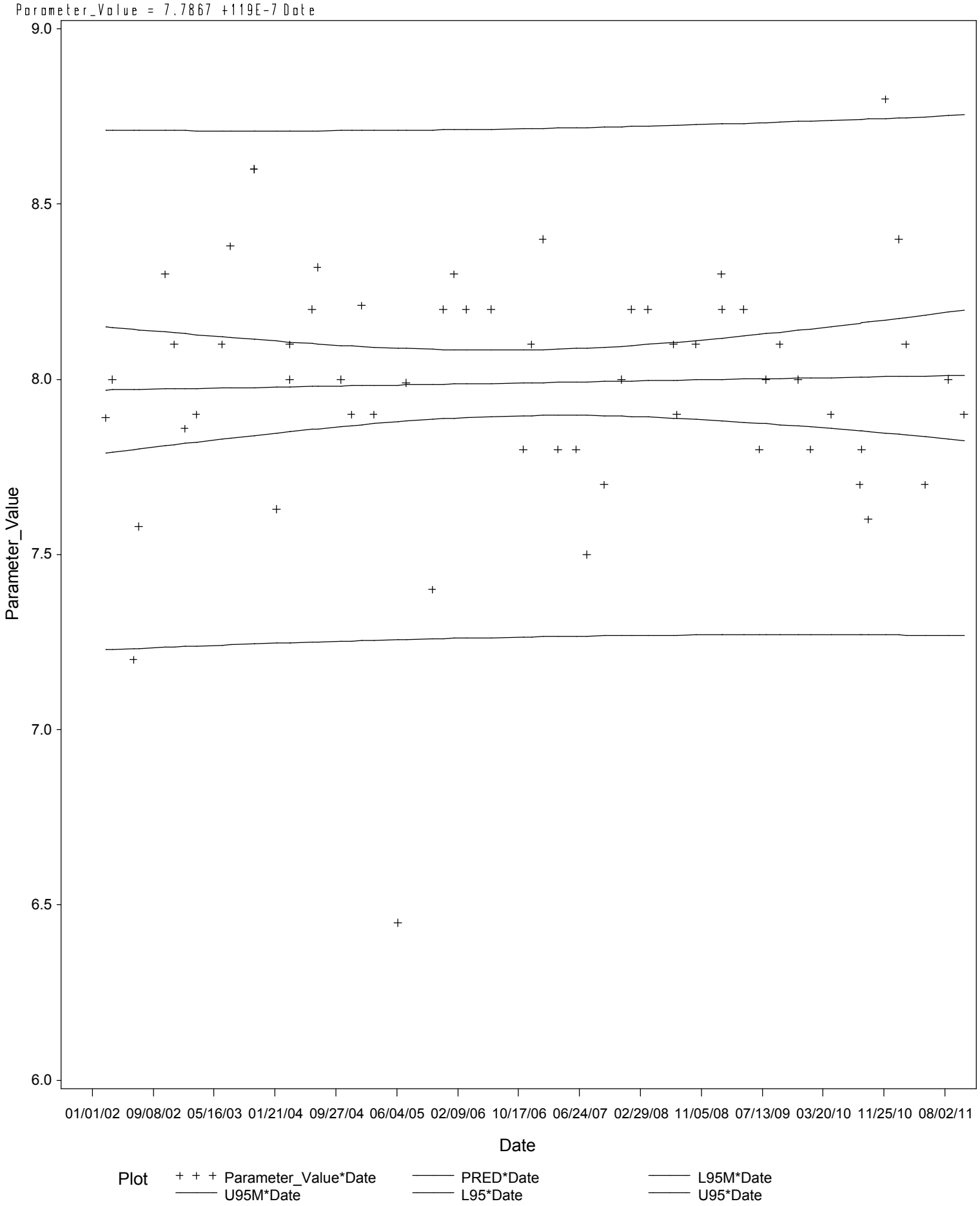
Rio Grande Below Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=13202



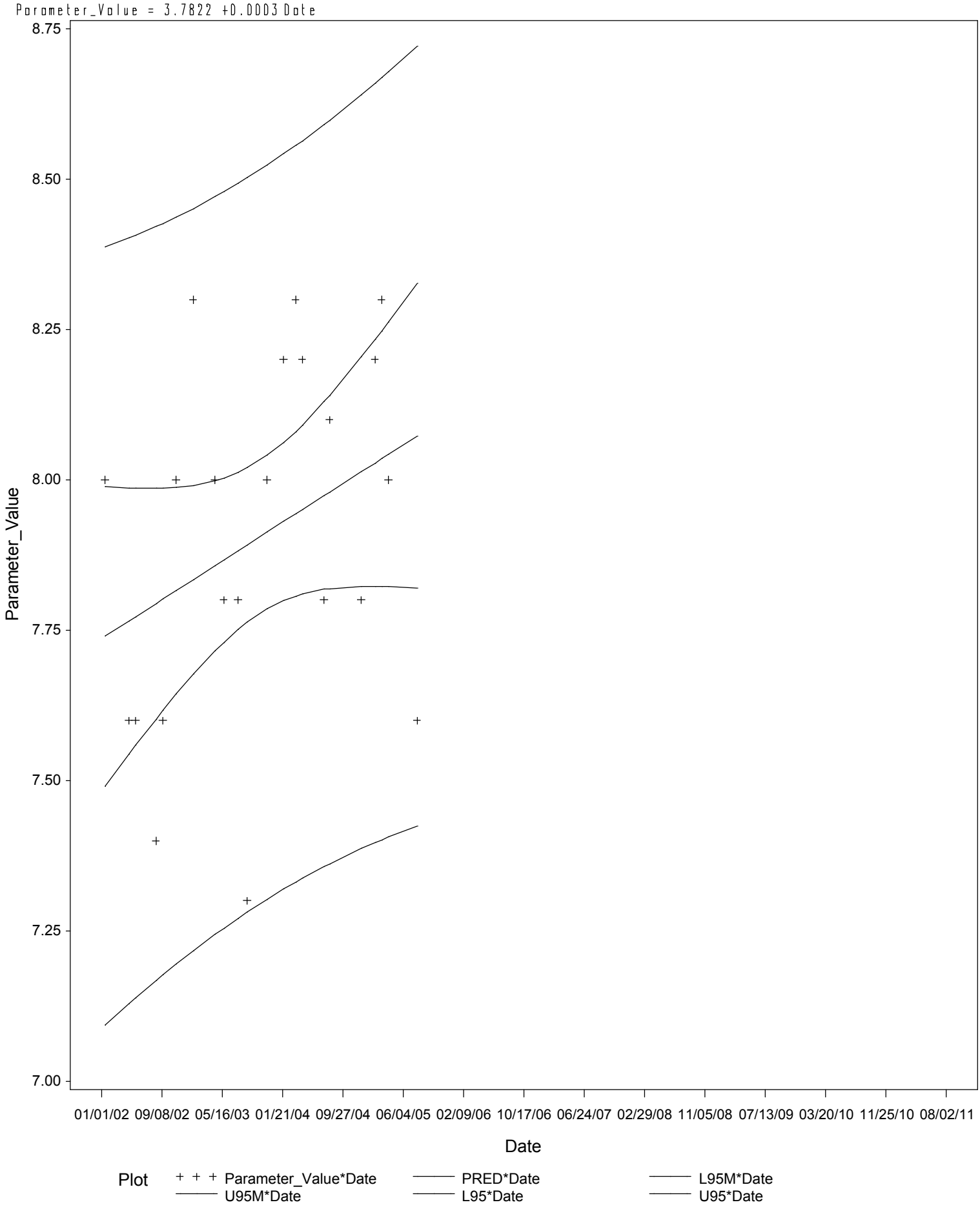
Rio Grande Below Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=13208



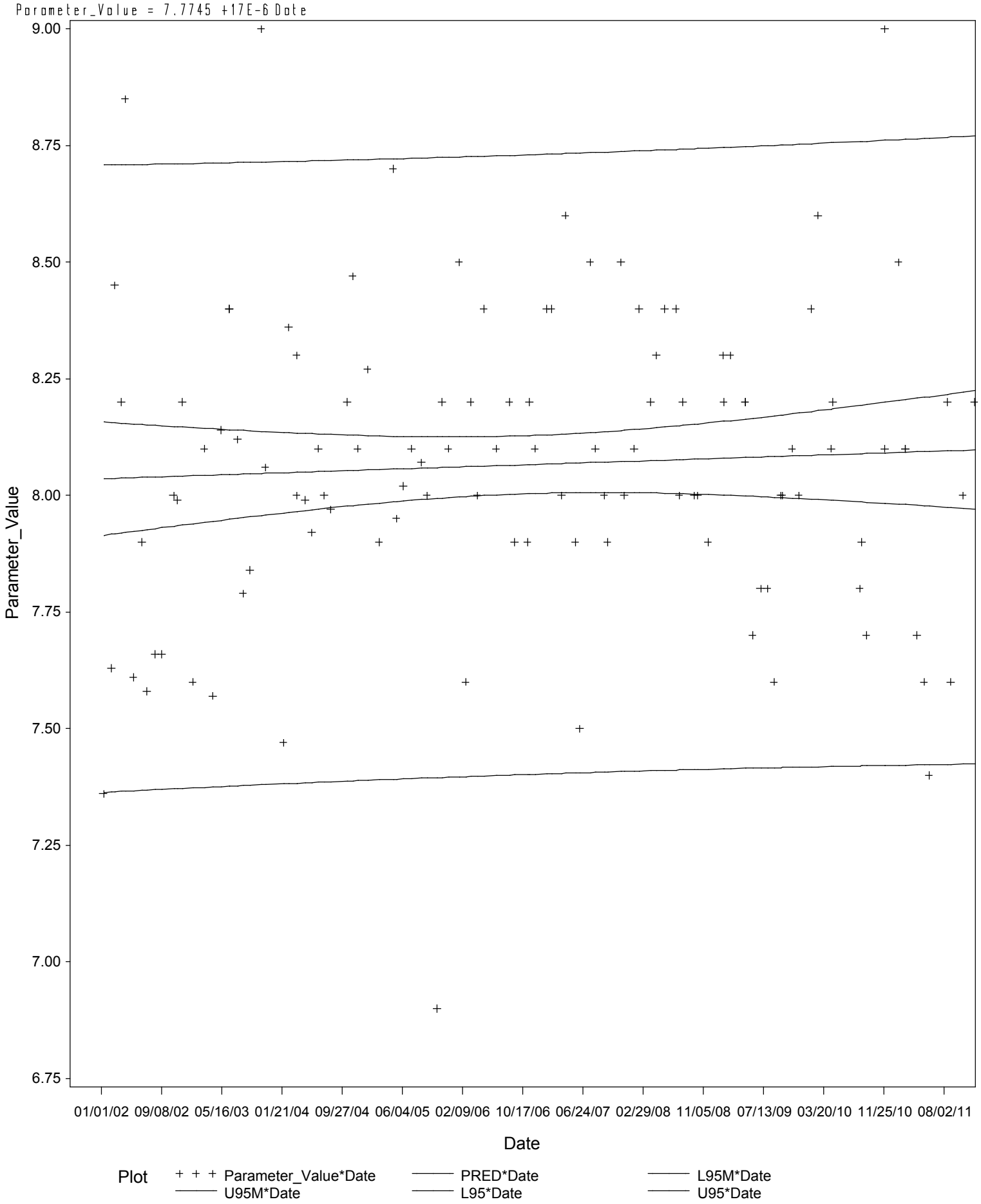
Rio Grande Below Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=13209



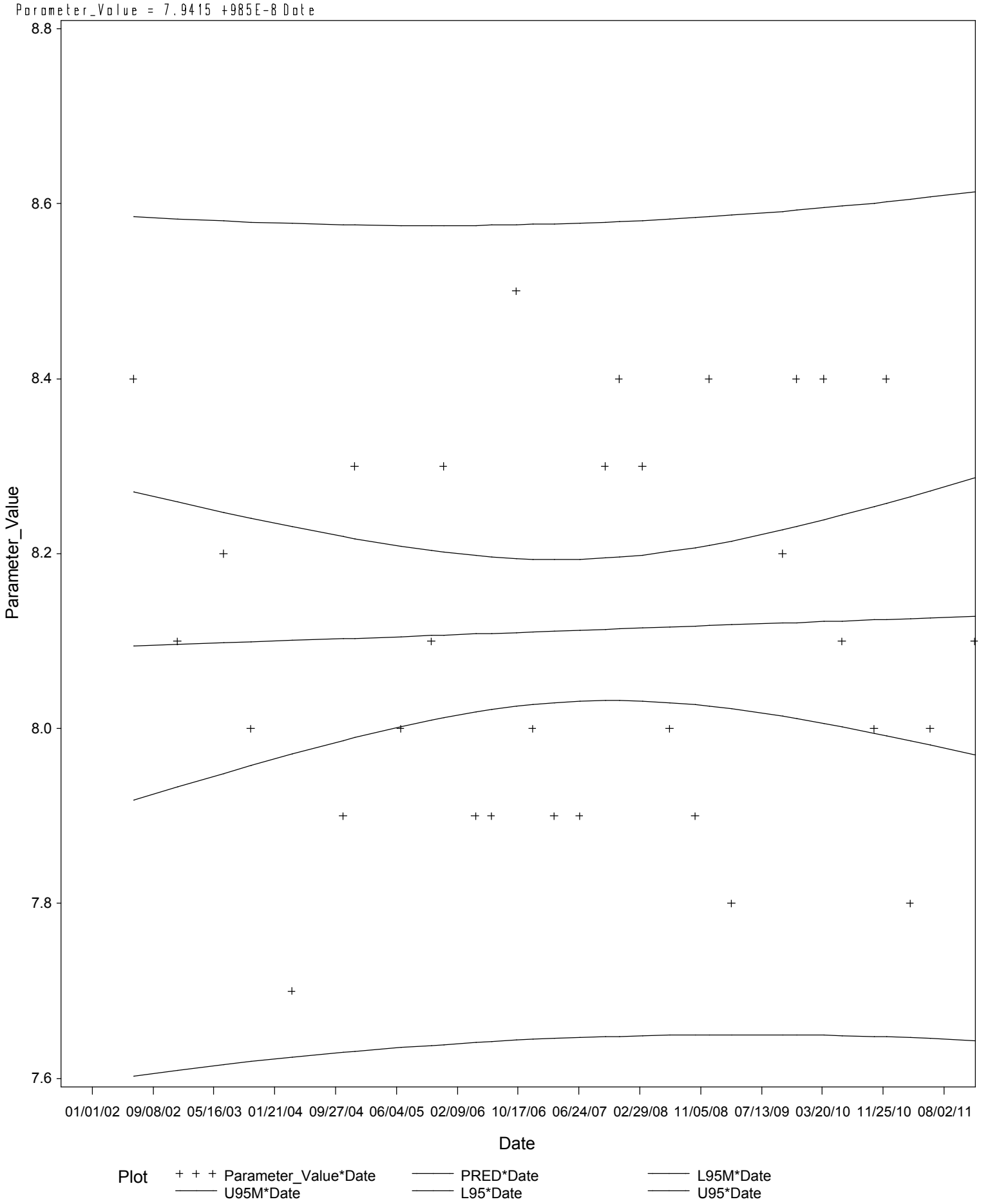
Rio Grande Below Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=13560



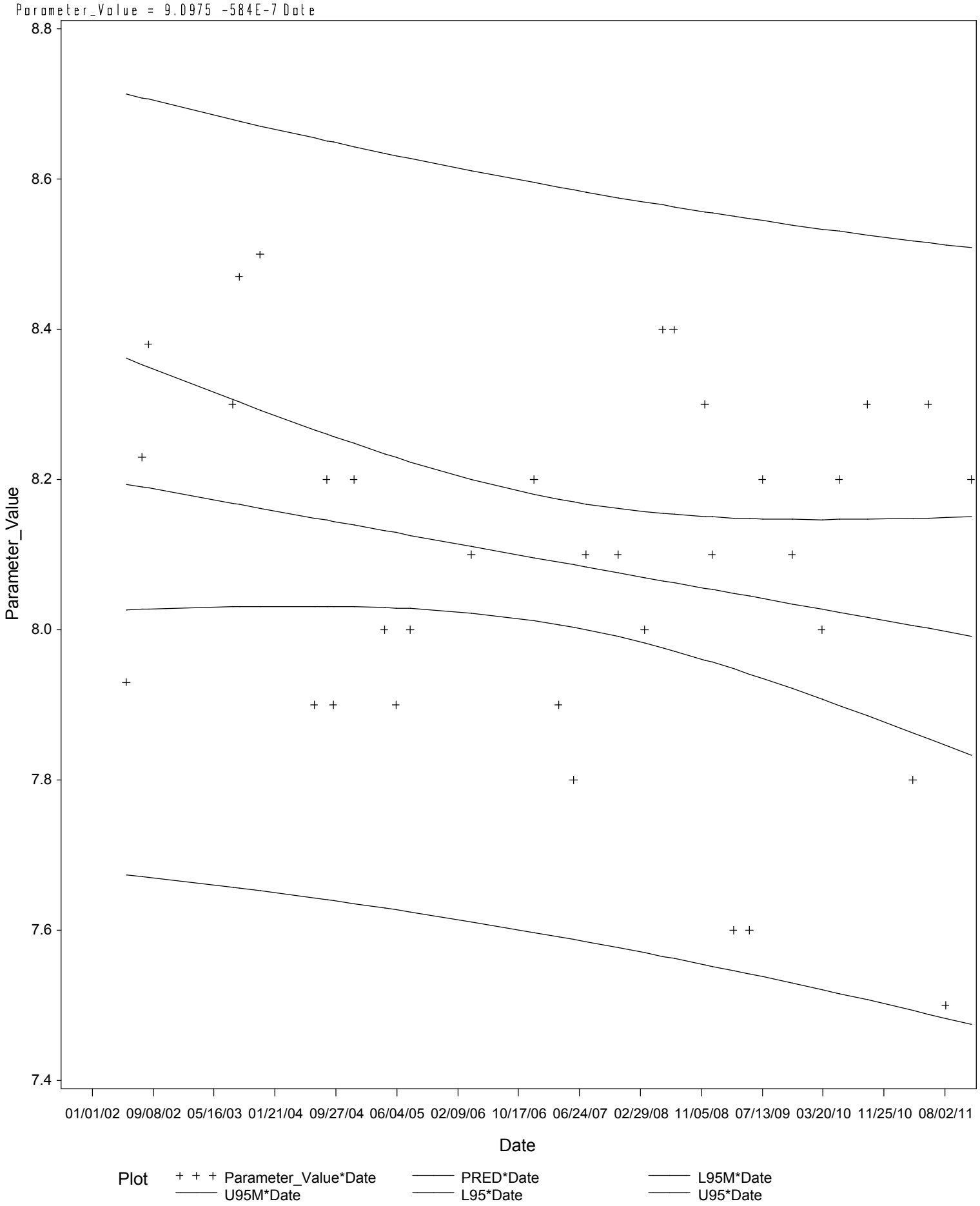
Rio Grande Below Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=15274



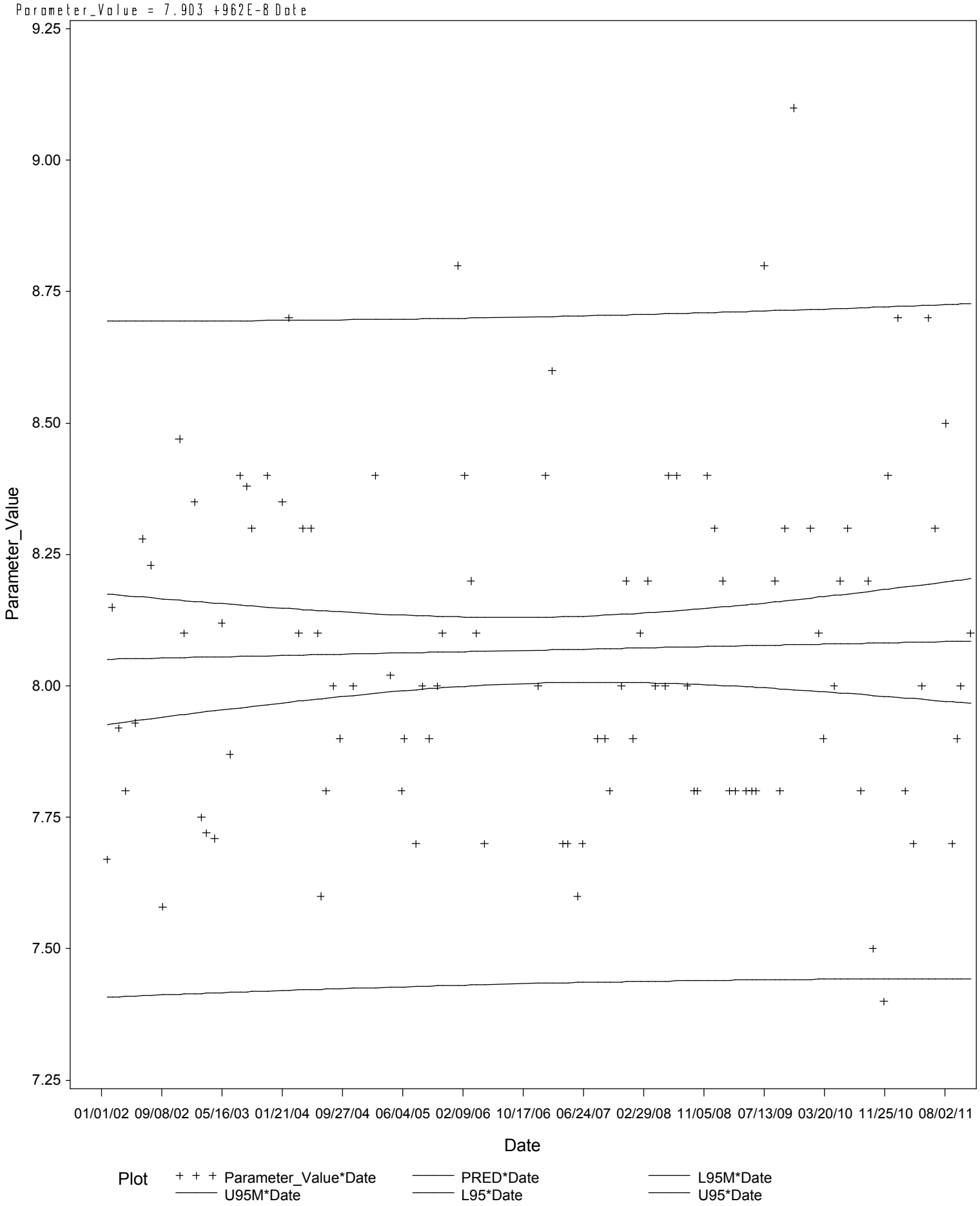
Rio Grande Below Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=15814



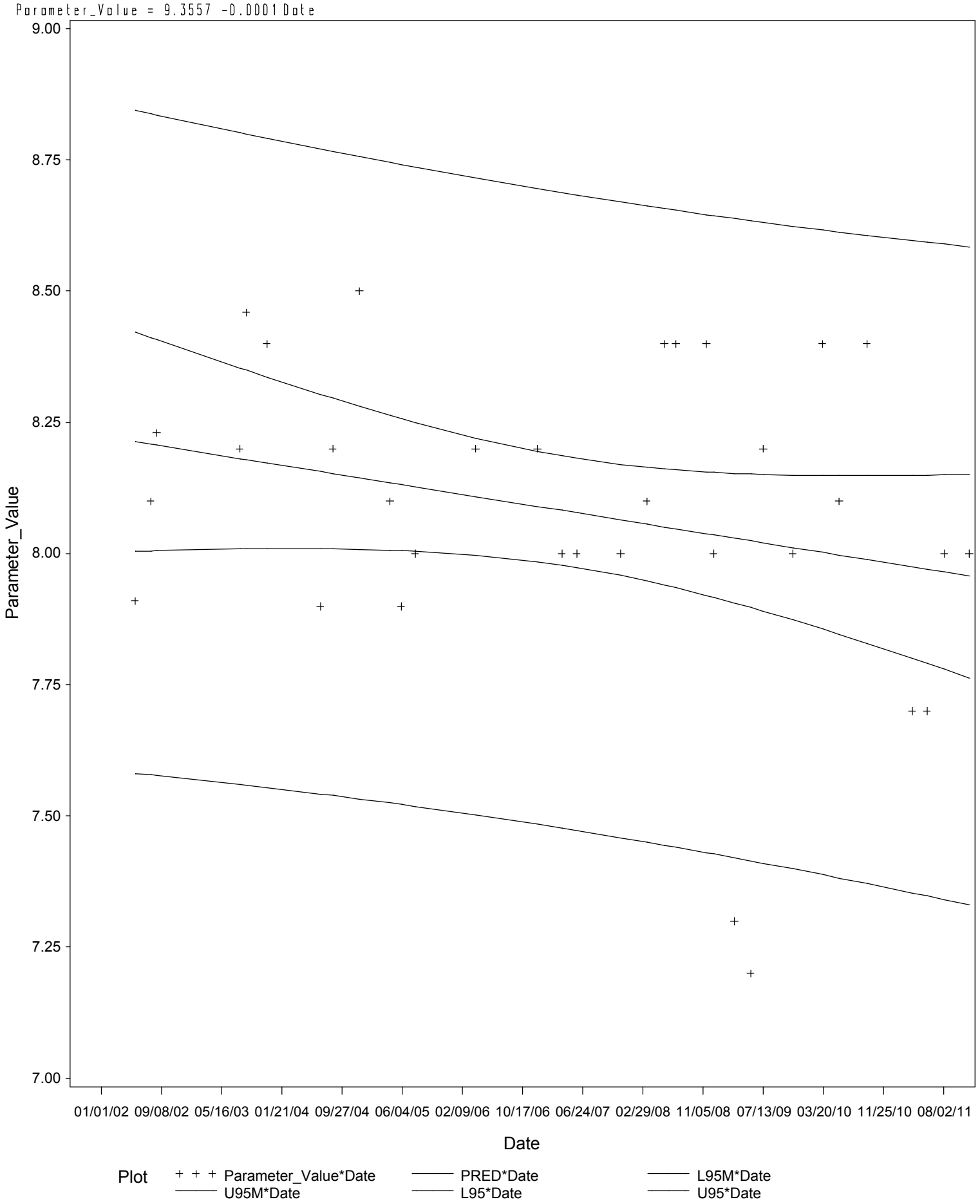
Rio Grande Below Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=15817



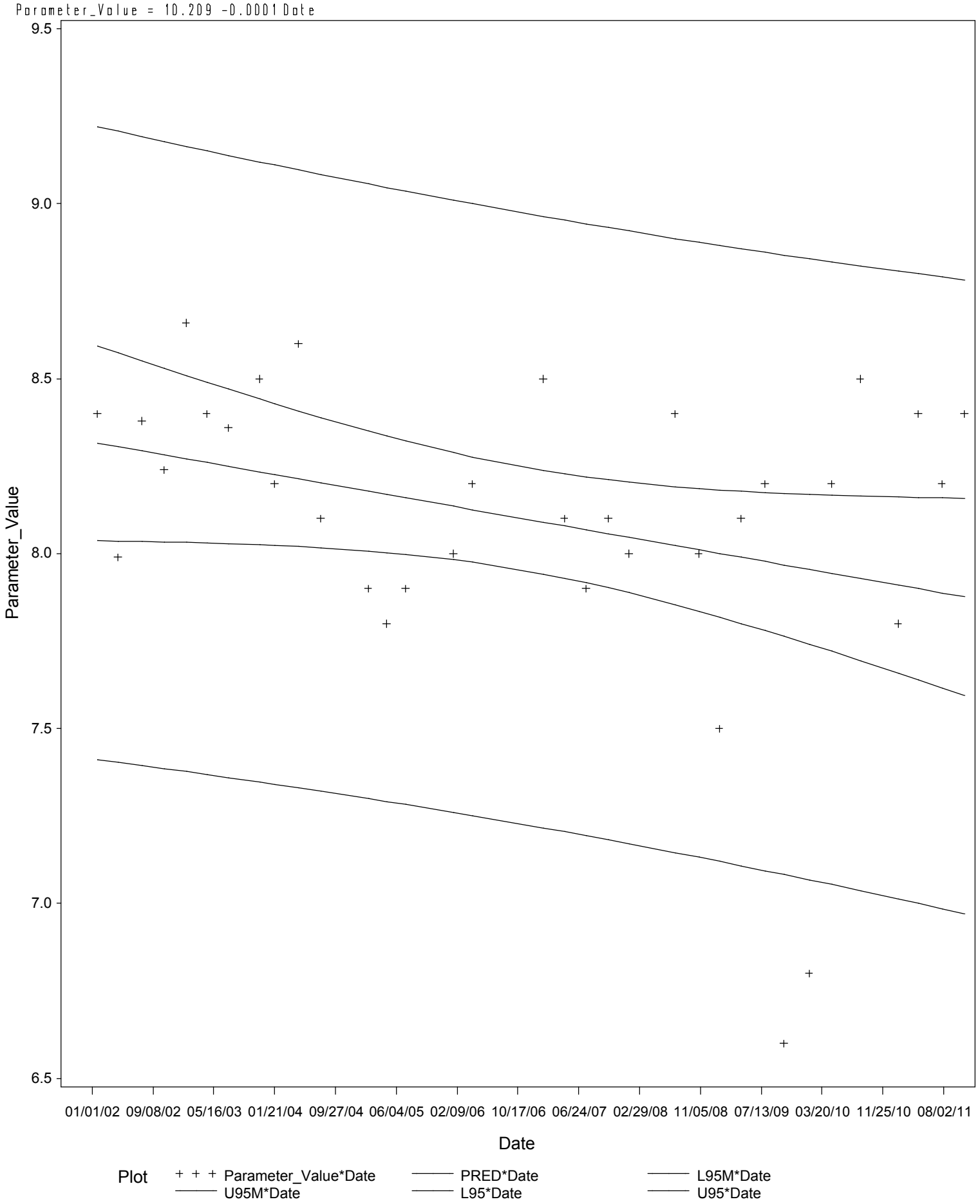
Rio Grande Below Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=17410



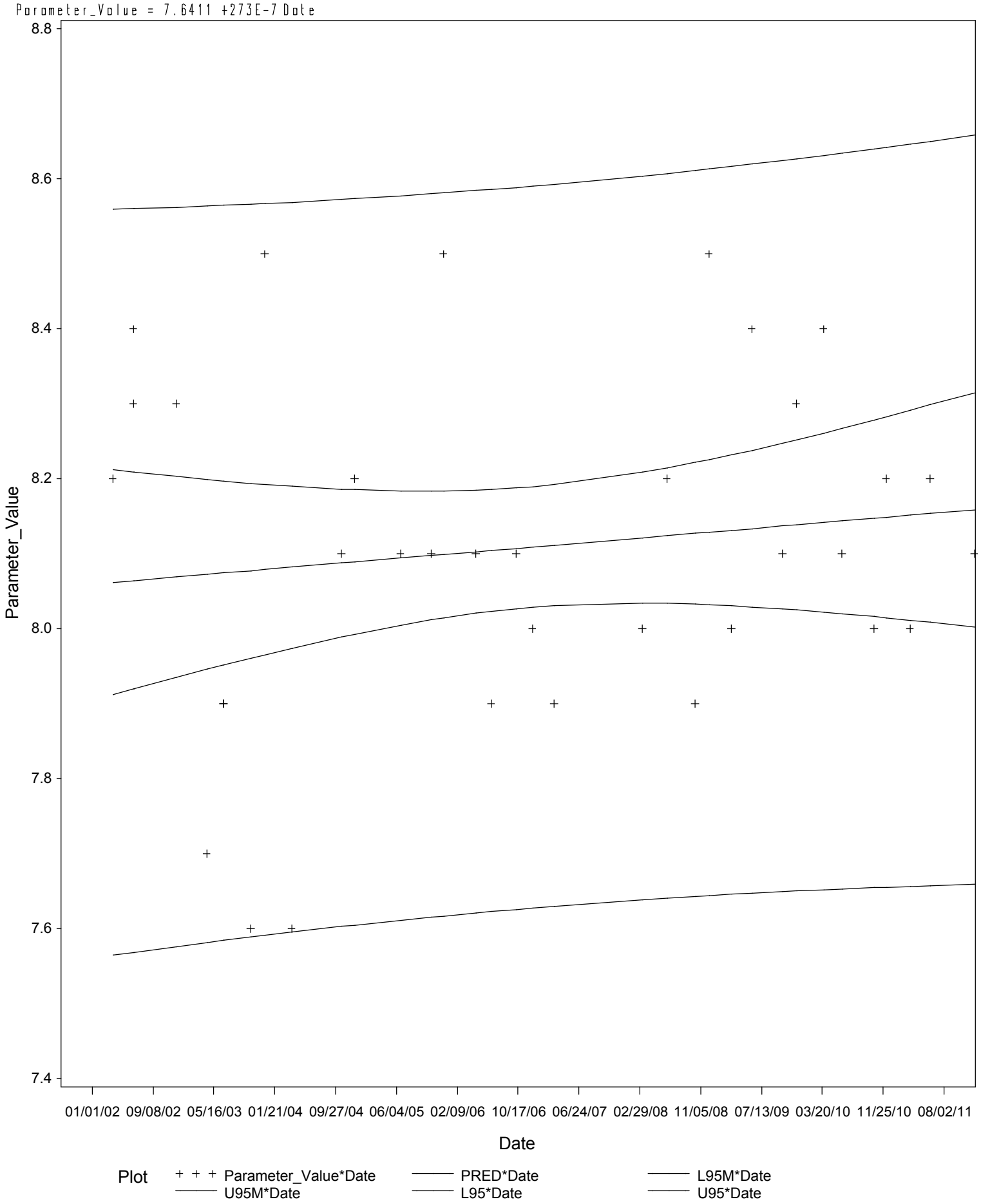
Rio Grande Below Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=17596



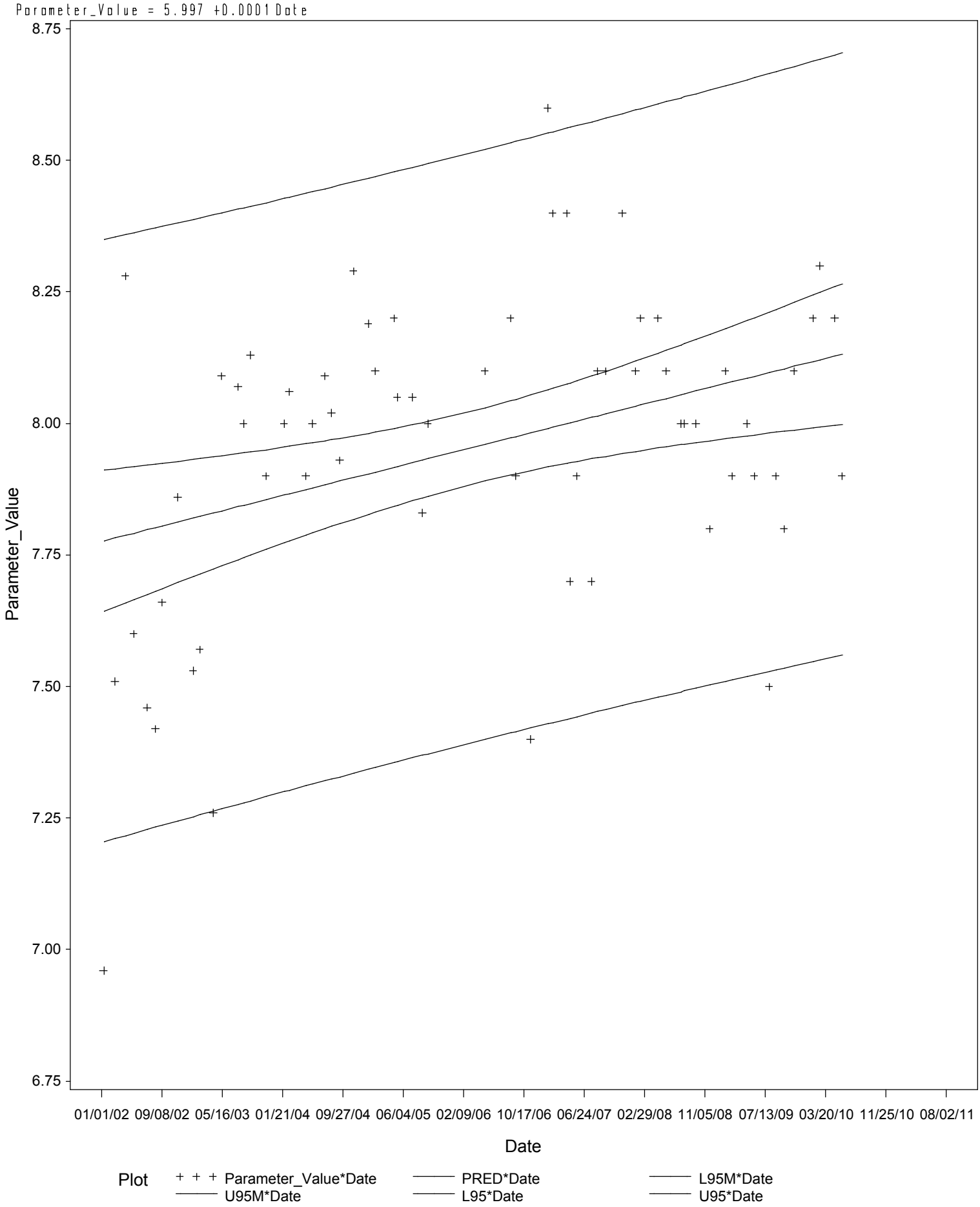
Rio Grande Below Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=18792



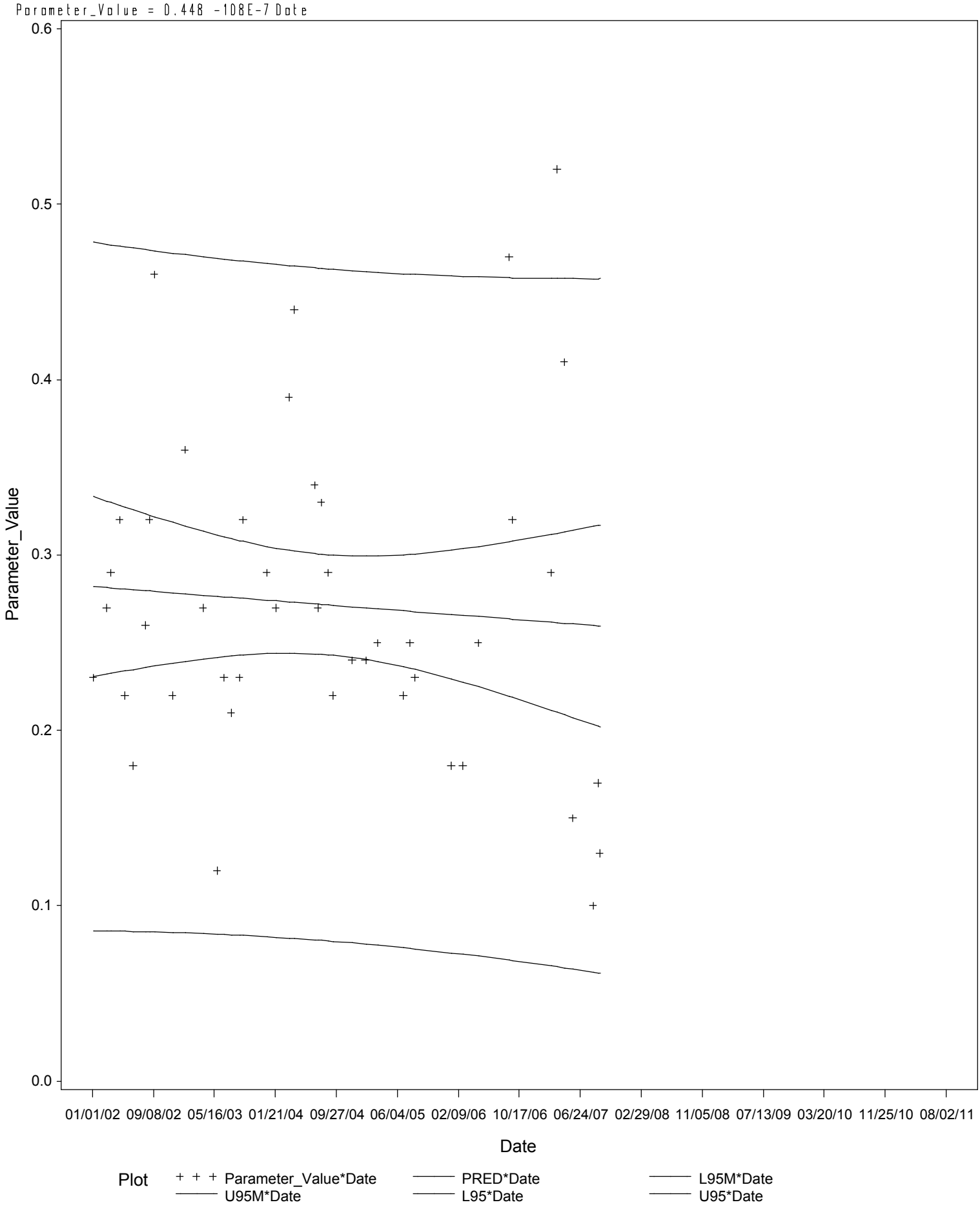
Rio Grande Below Amistad Reservoir

Parameter=PH (STANDARD UNITS) Station=18795



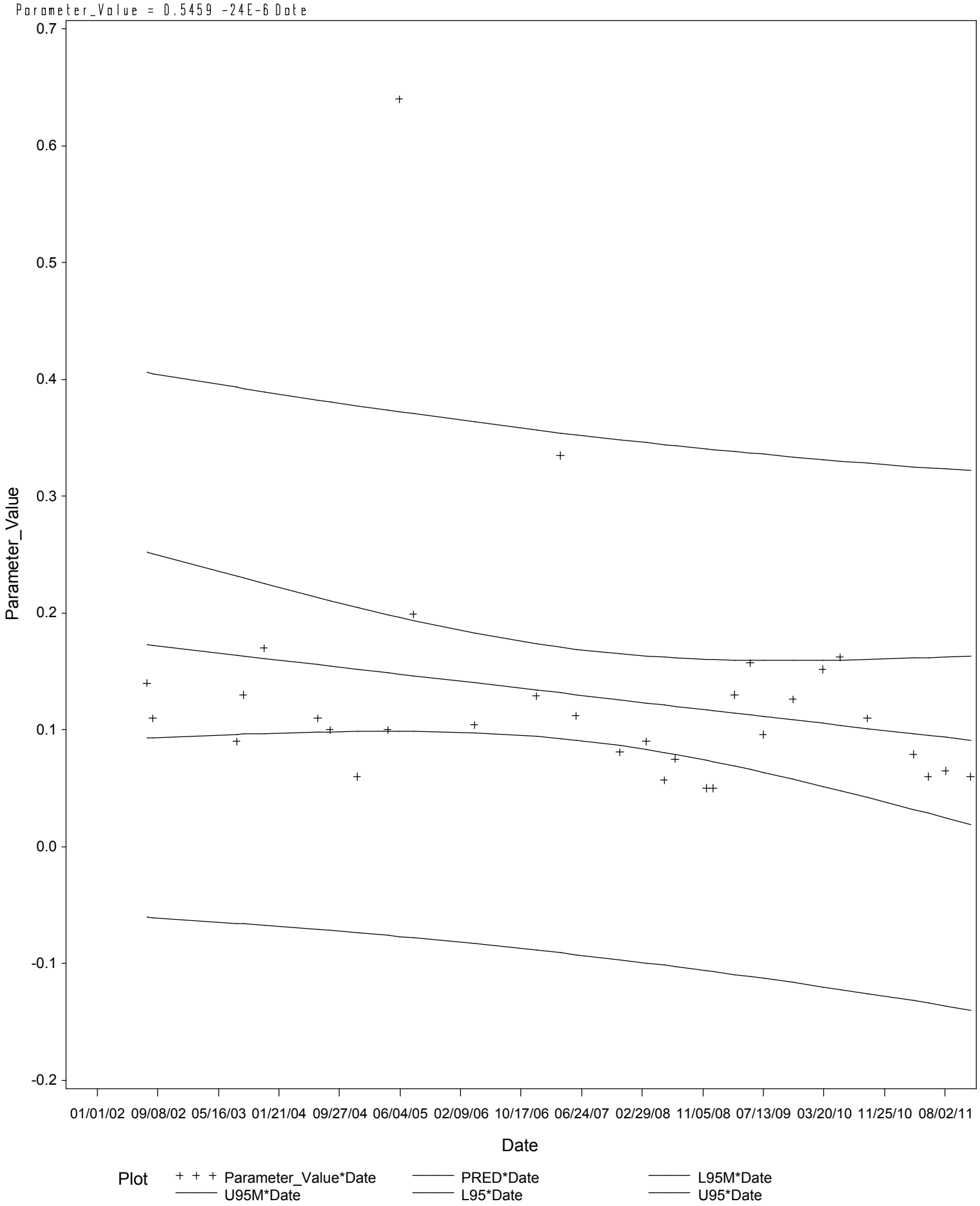
Rio Grande Below Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13196



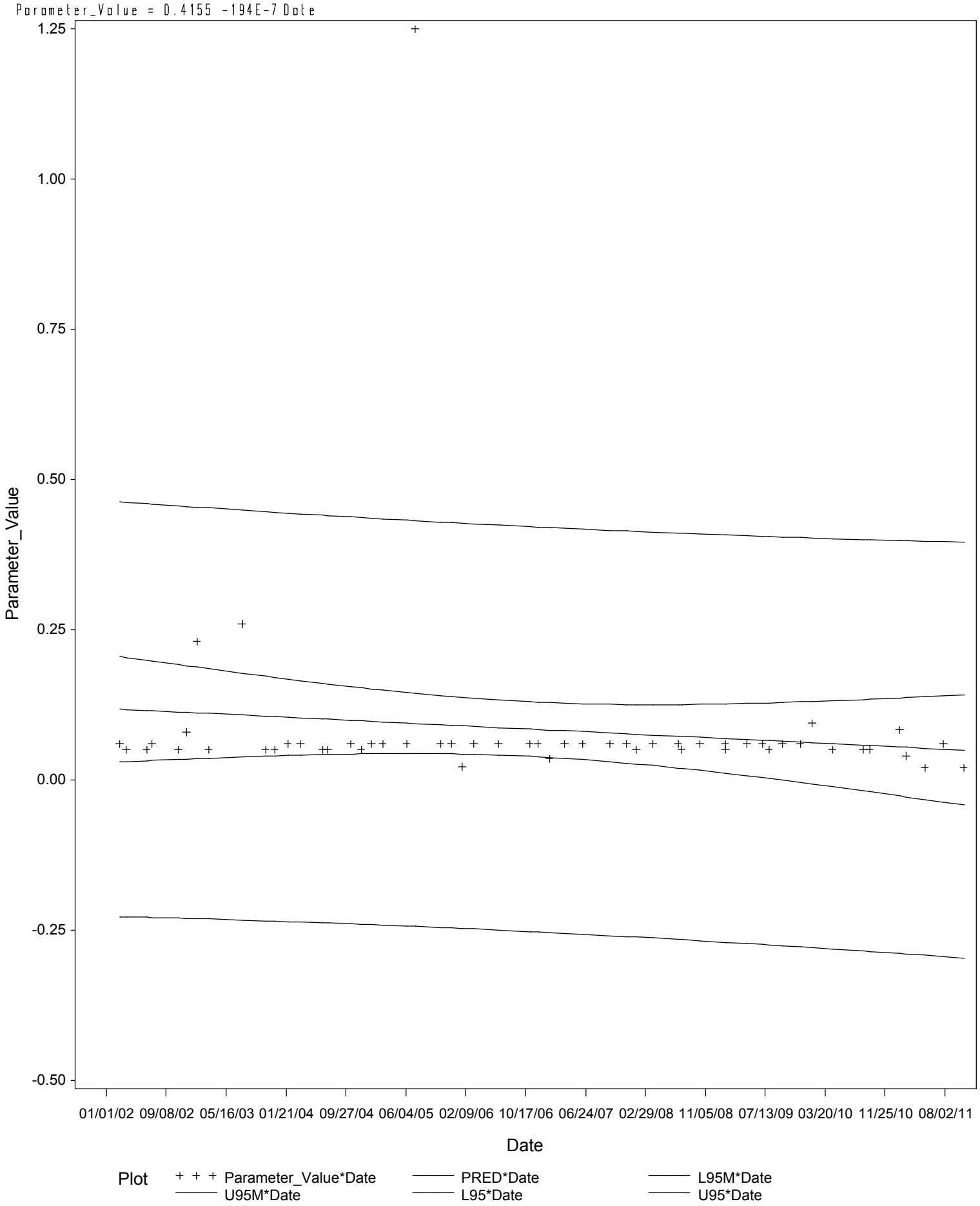
Rio Grande Below Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13202



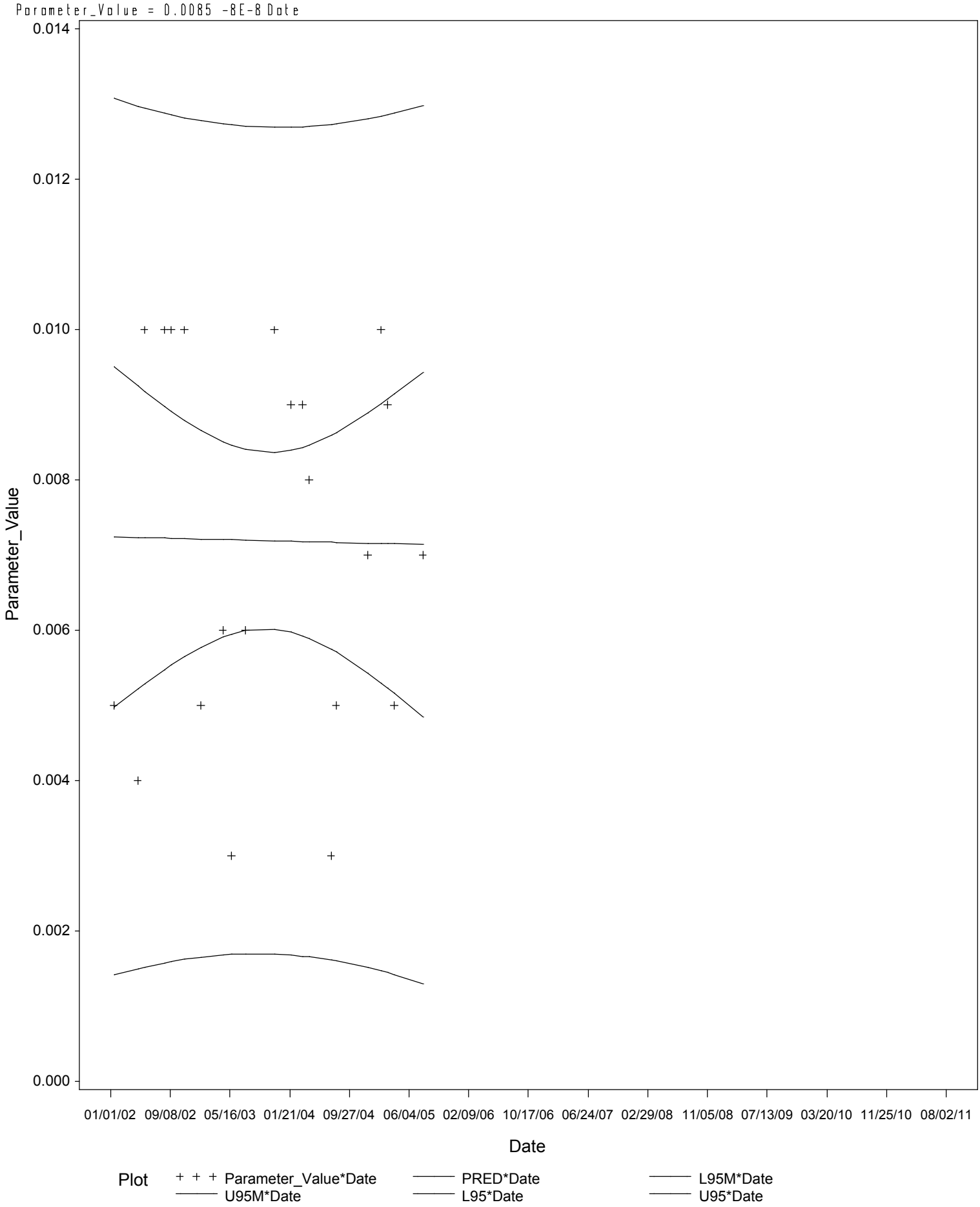
Rio Grande Below Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13208



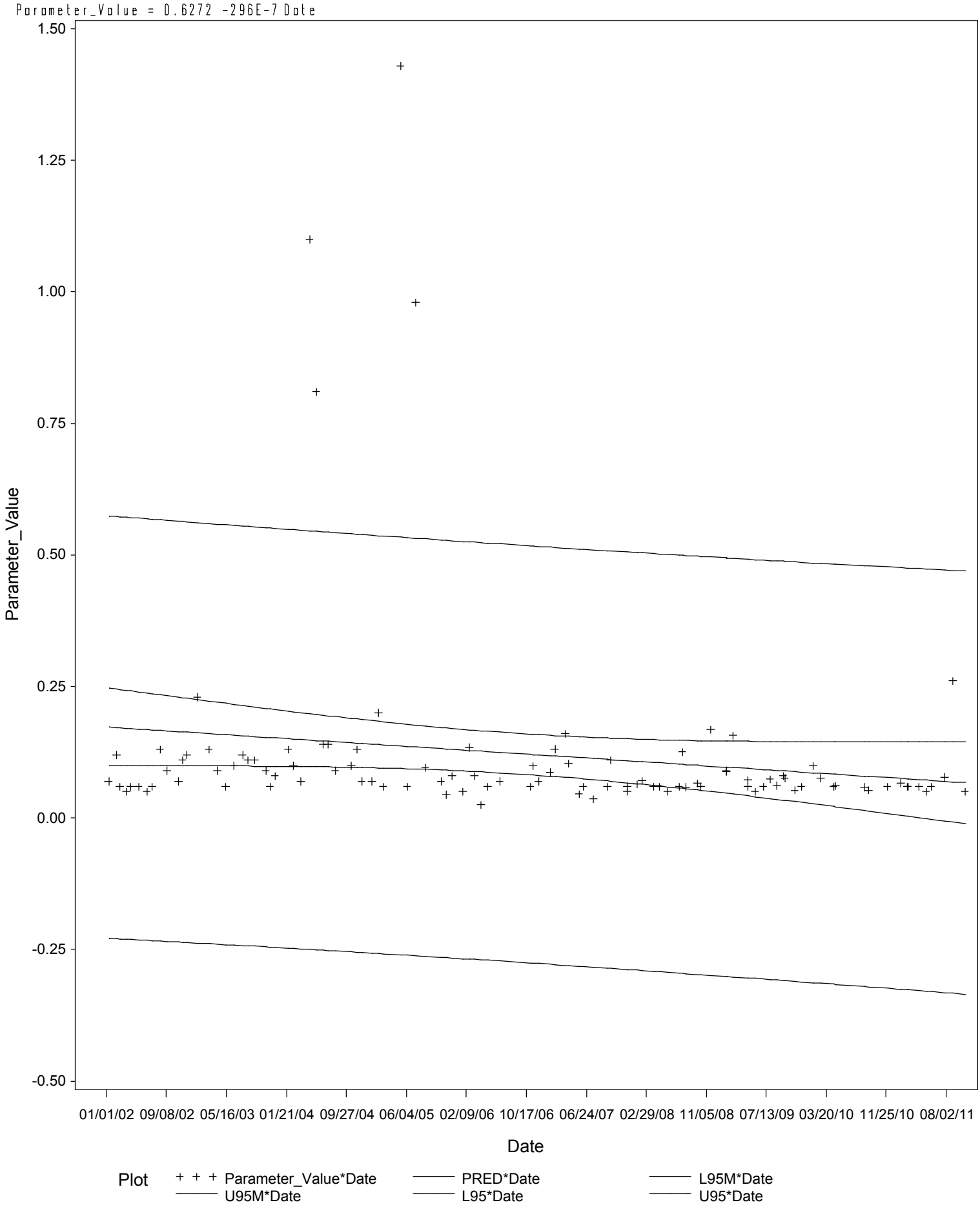
Rio Grande Below Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13209



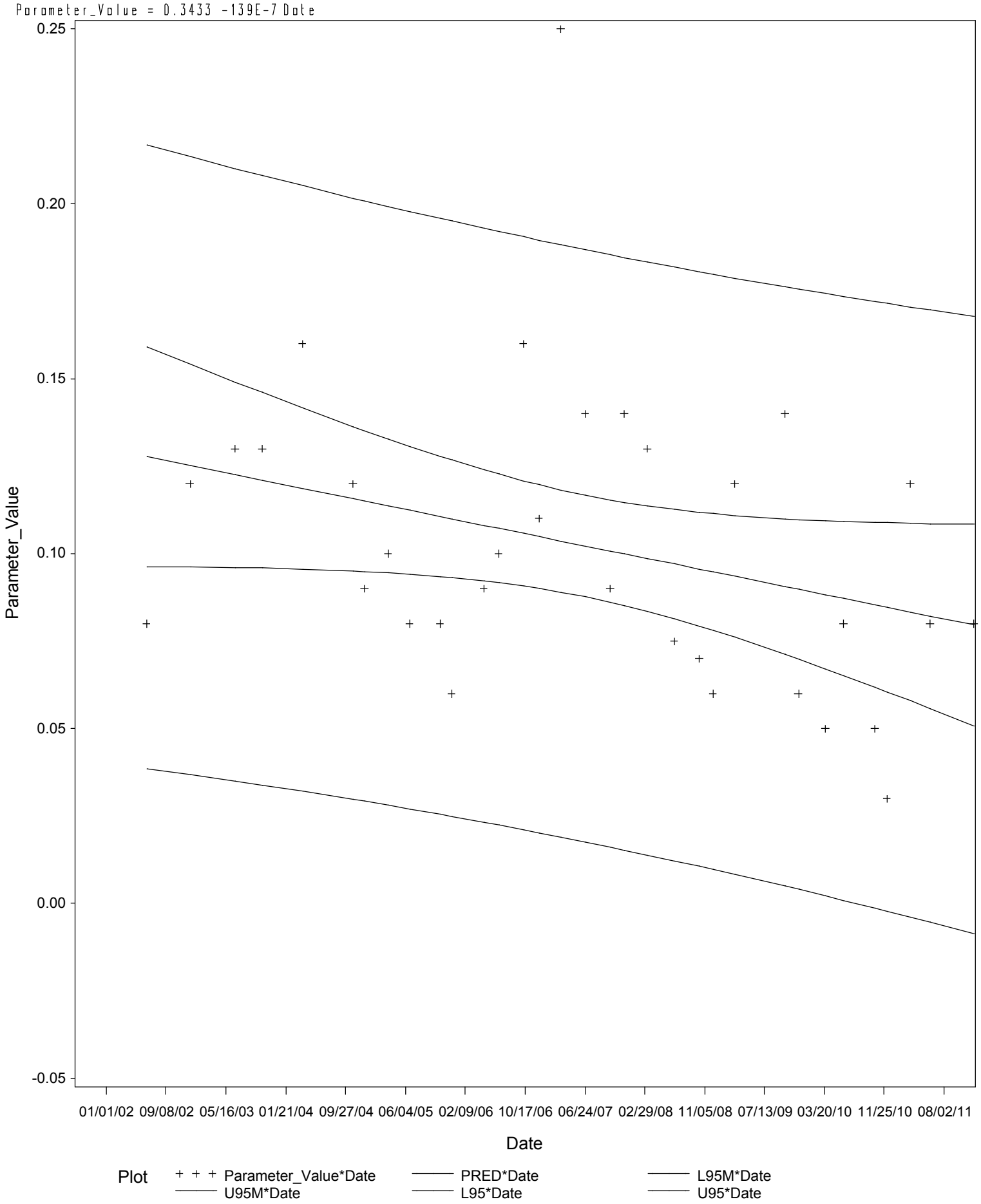
Rio Grande Below Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13560



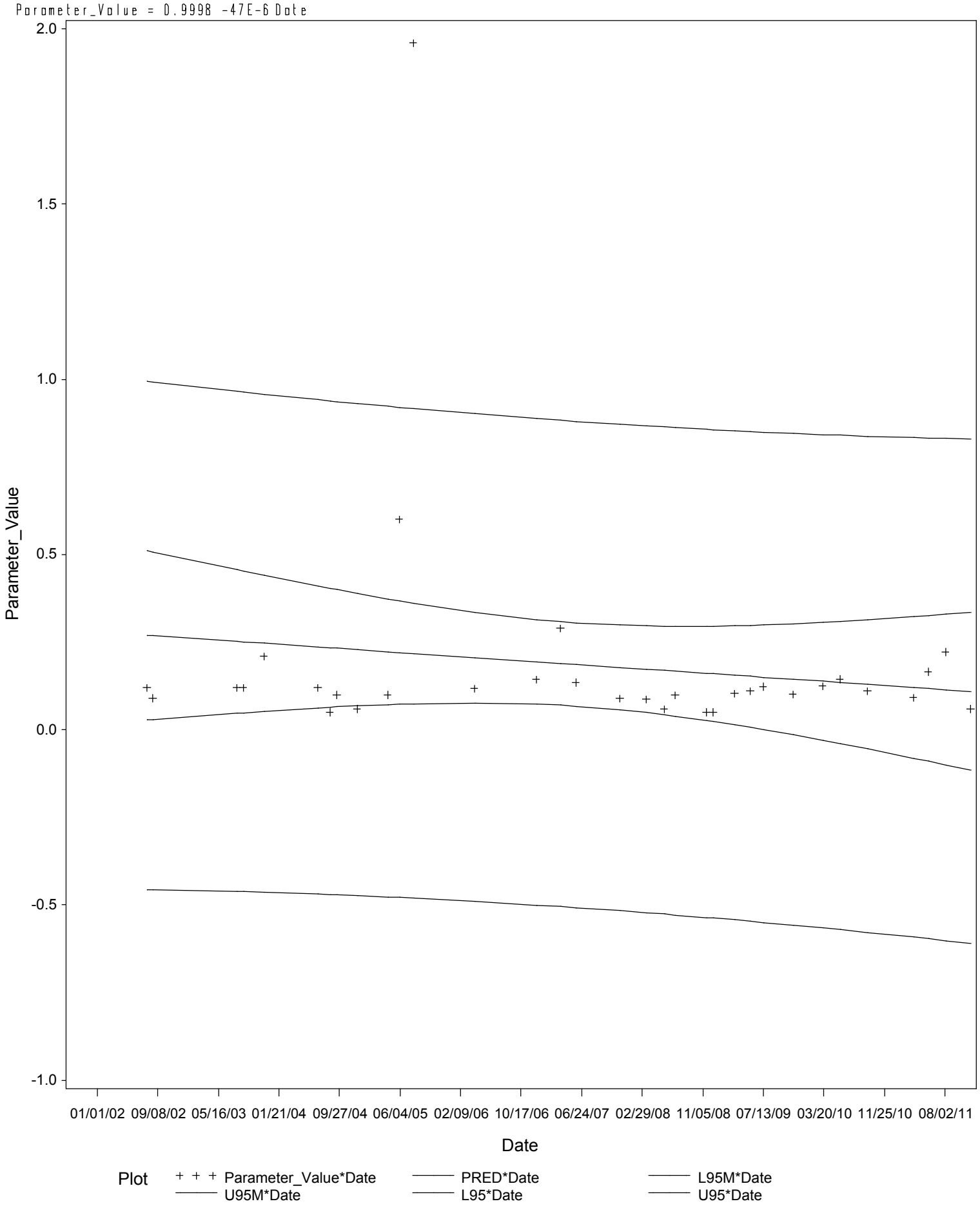
Rio Grande Below Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=15274



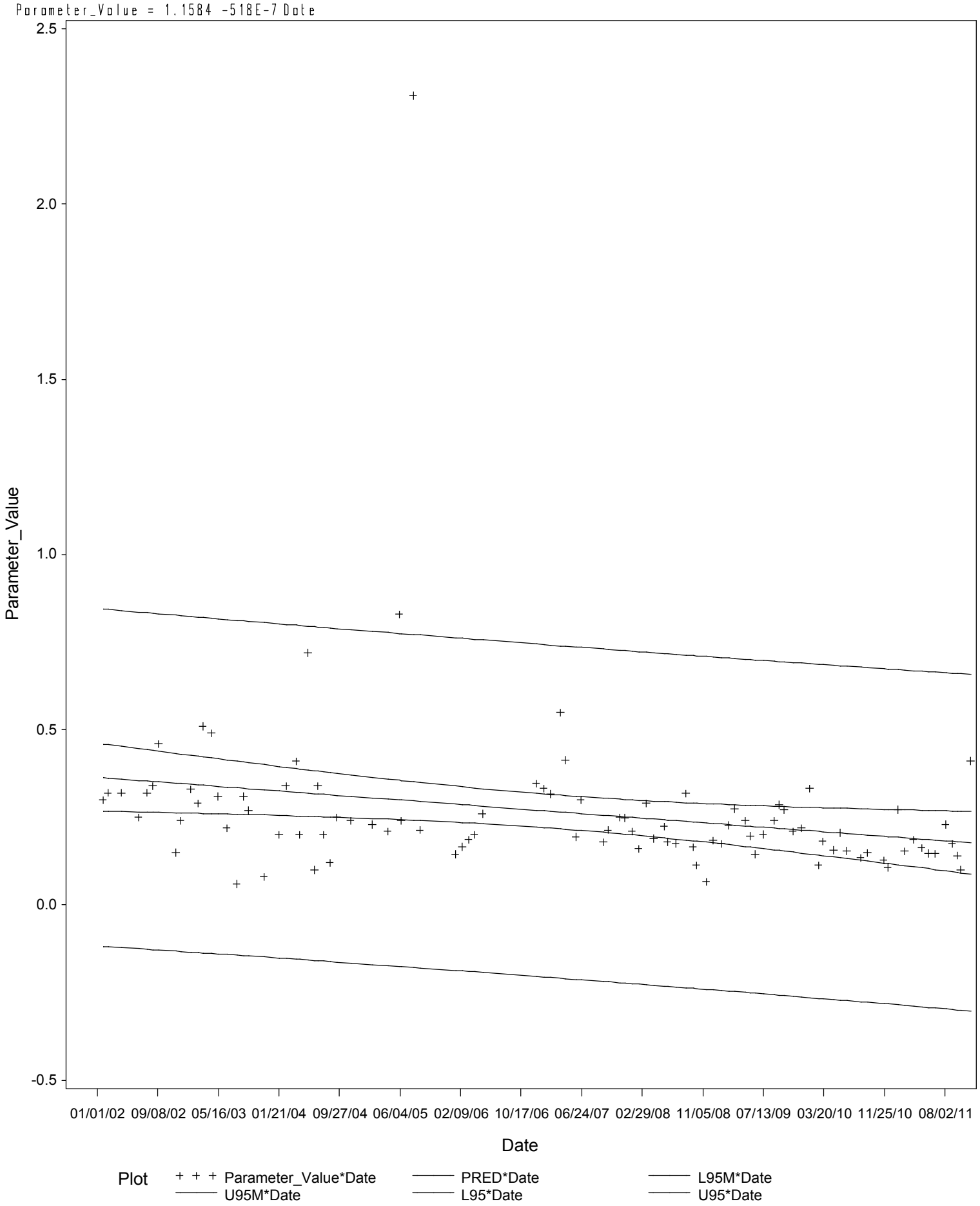
Rio Grande Below Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=15814



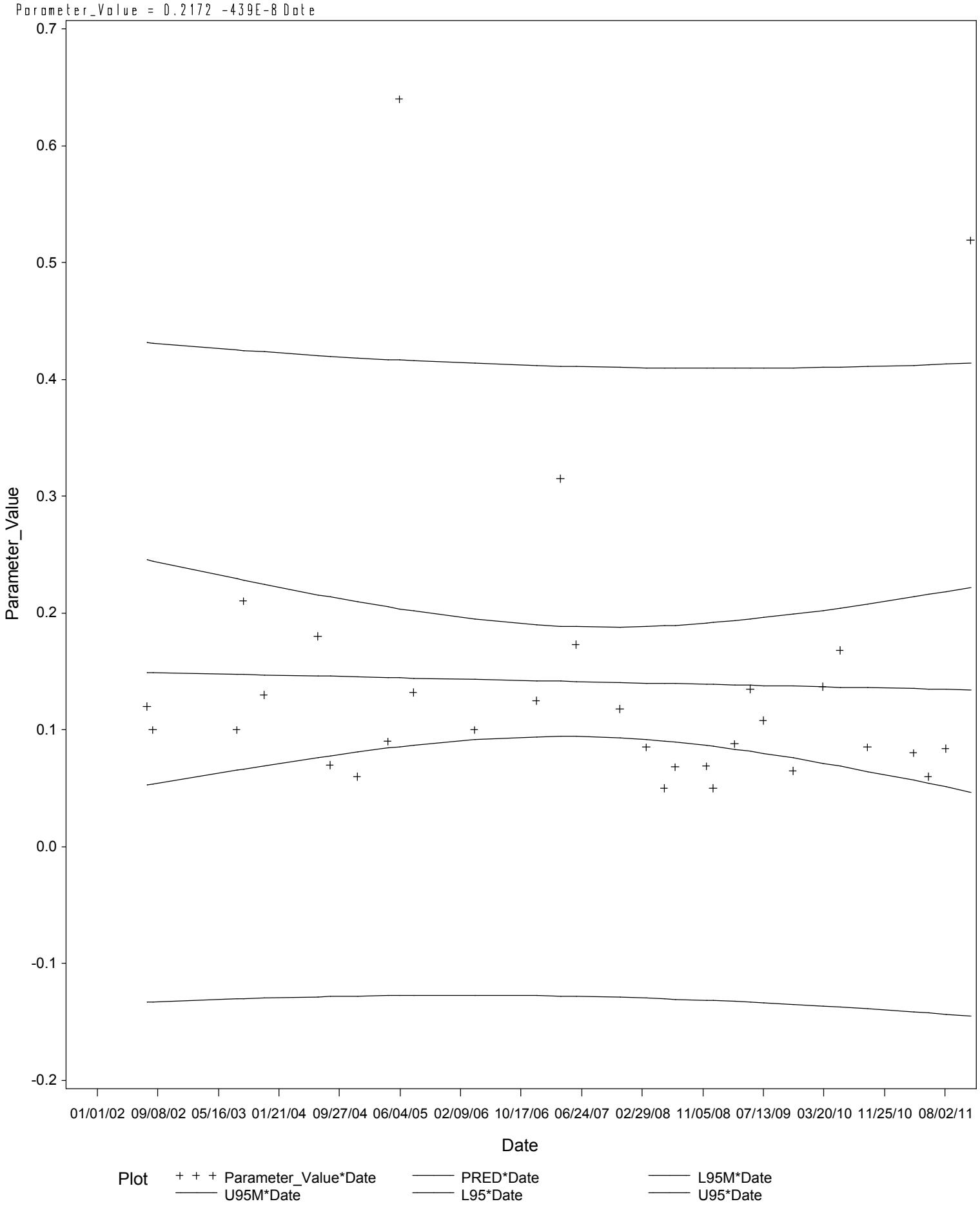
Rio Grande Below Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=15817



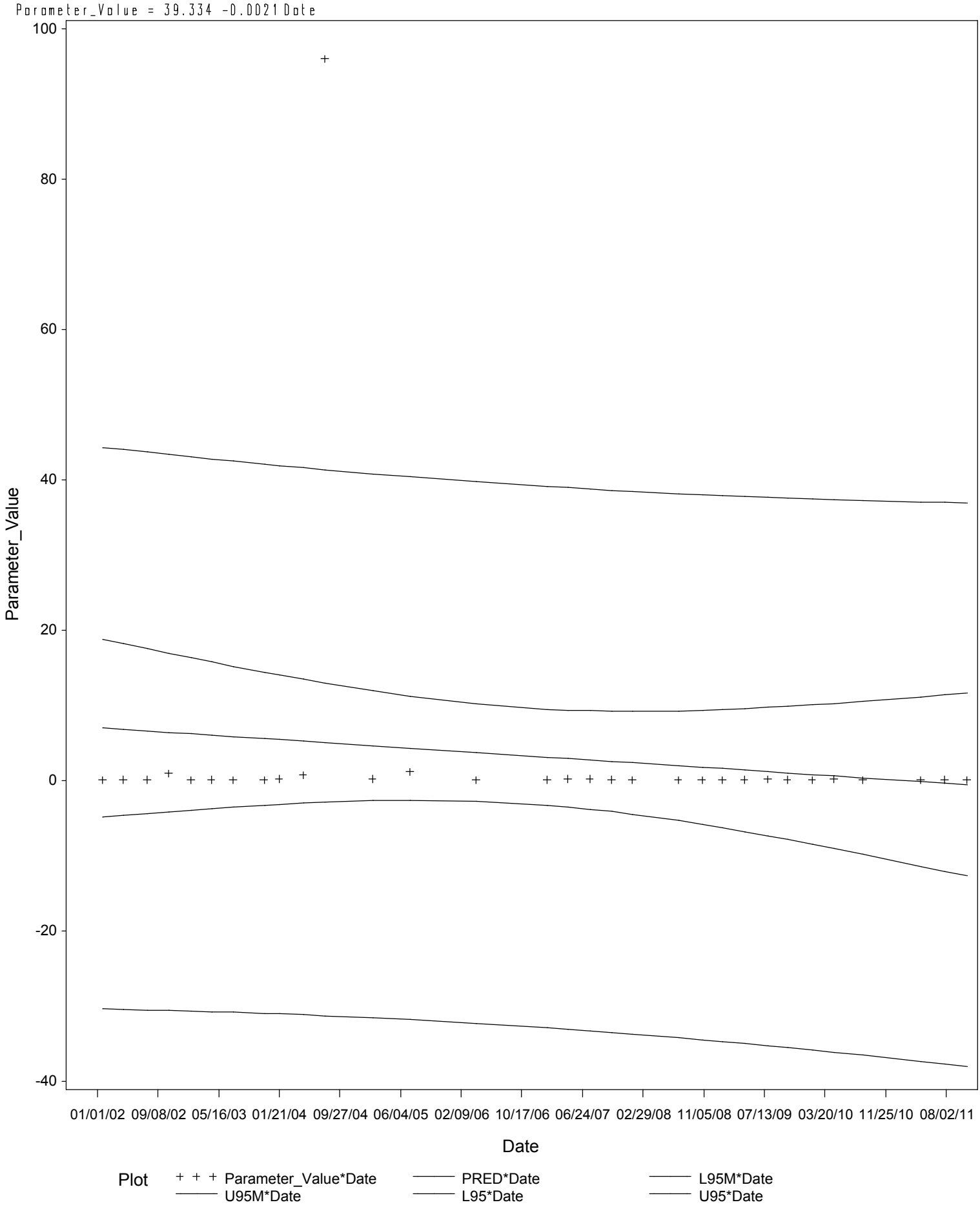
Rio Grande Below Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=17410



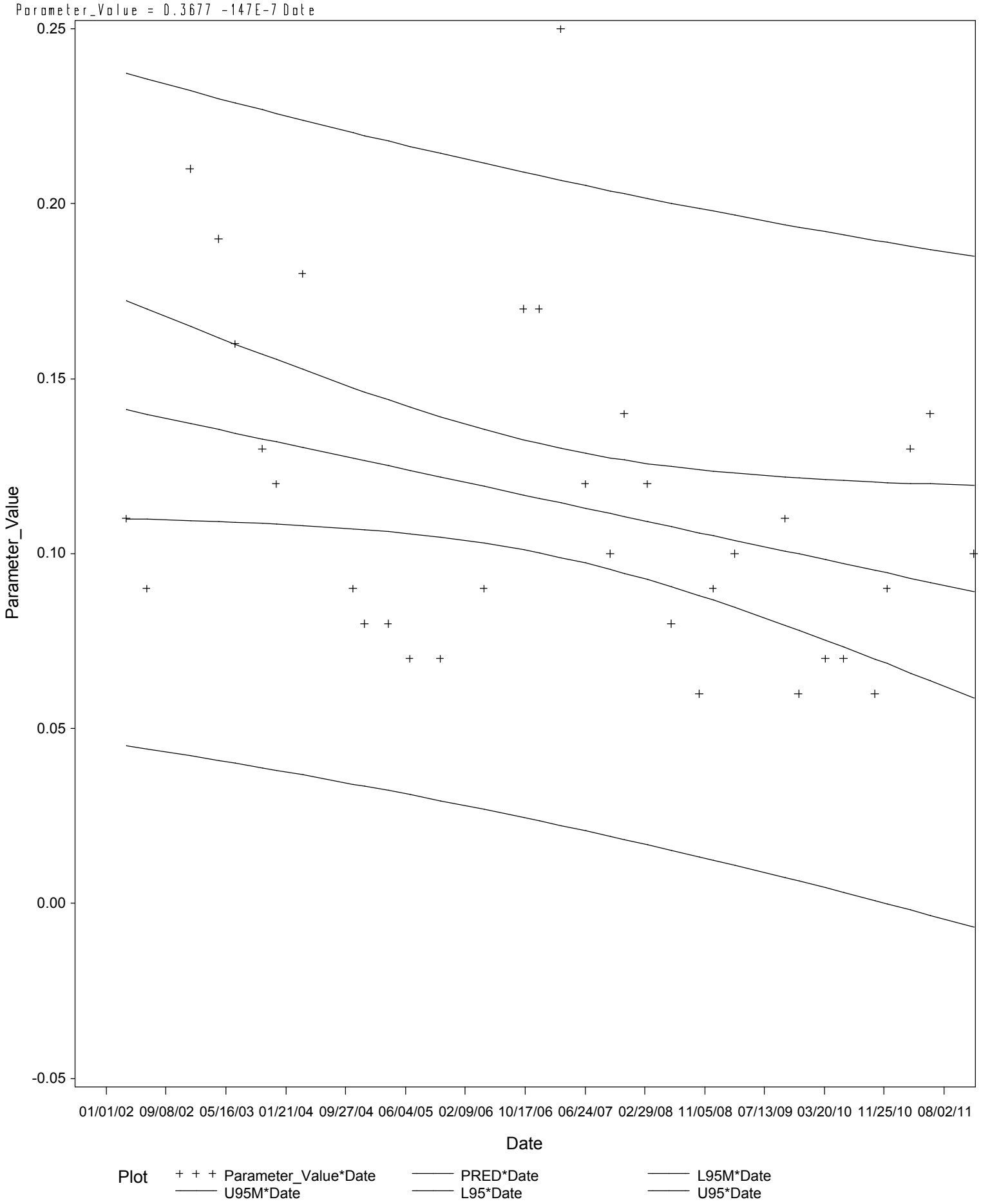
Rio Grande Below Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=17596



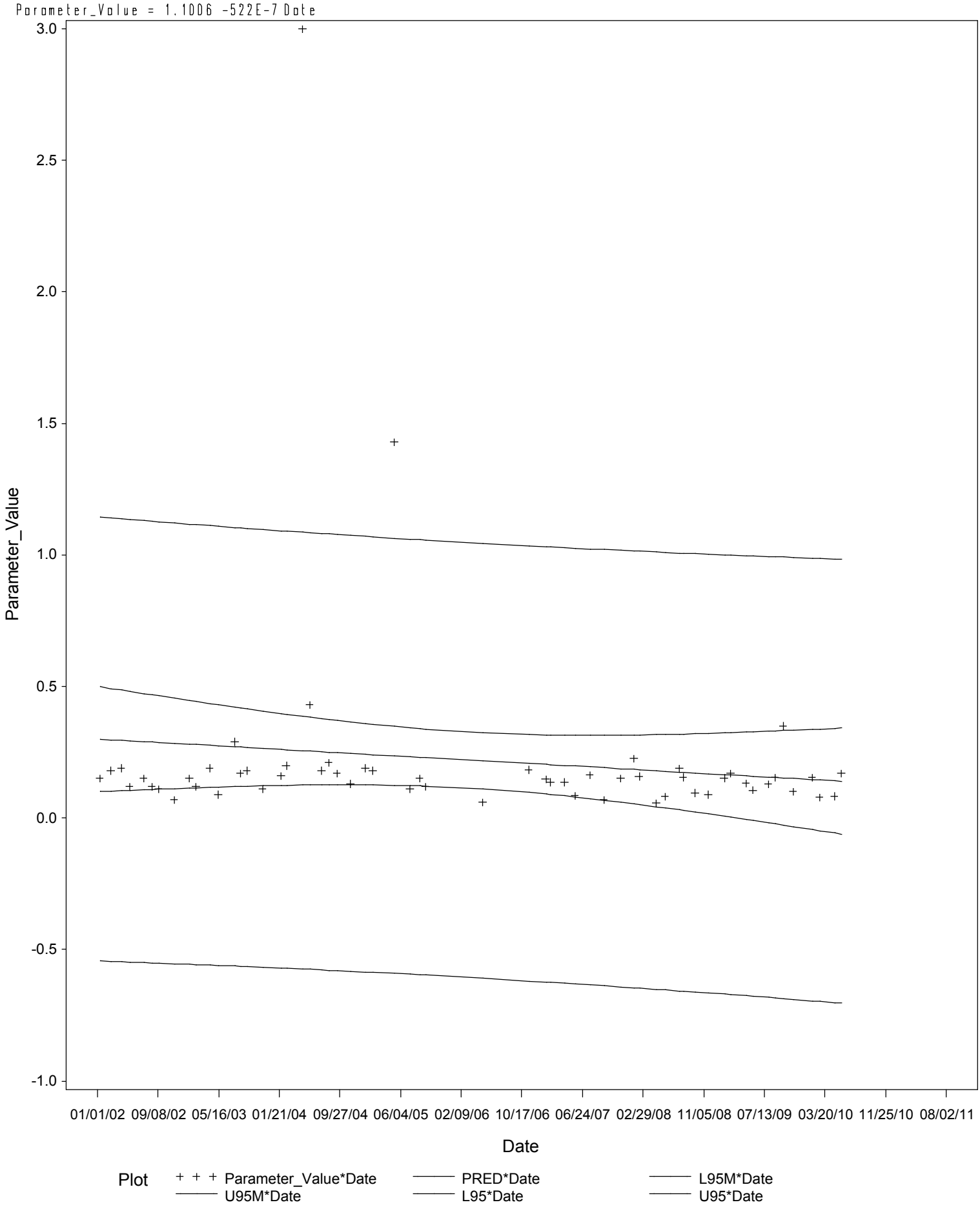
Rio Grande Below Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=18792



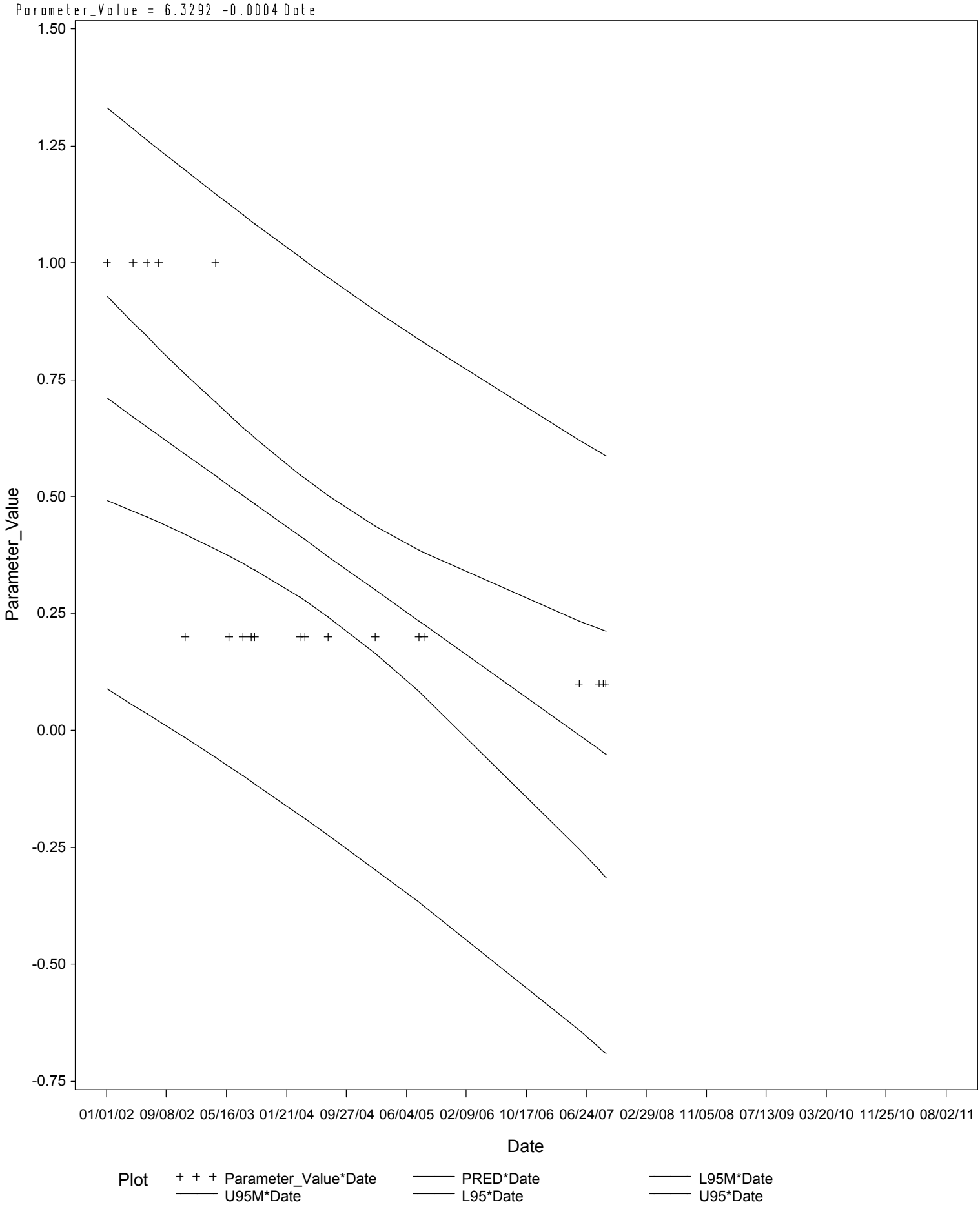
Rio Grande Below Amistad Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=18795



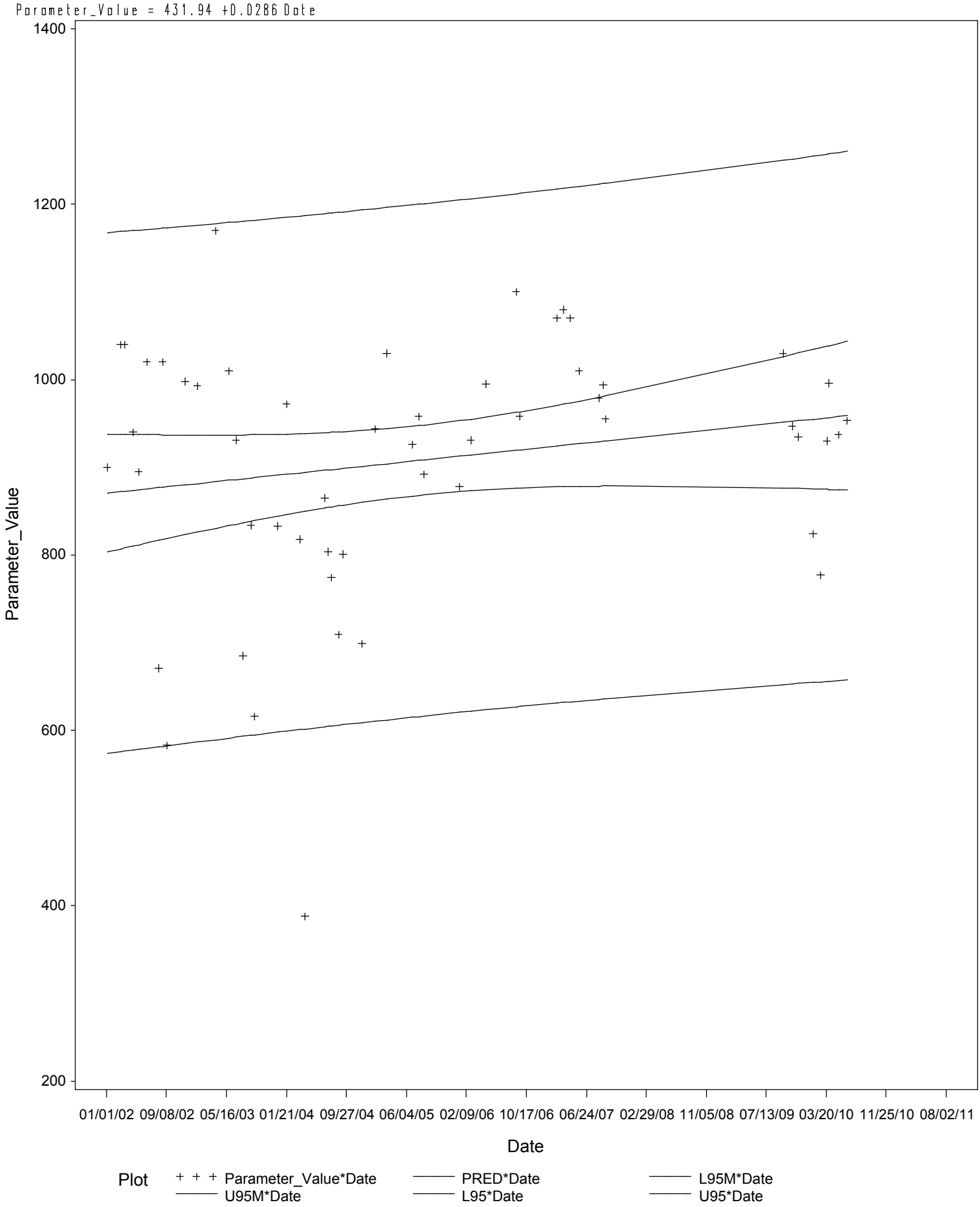
Rio Grande Below Amistad Reservoir

Parameter=SILVER, DISSOLVED (UG/L AS AG) Station=13196



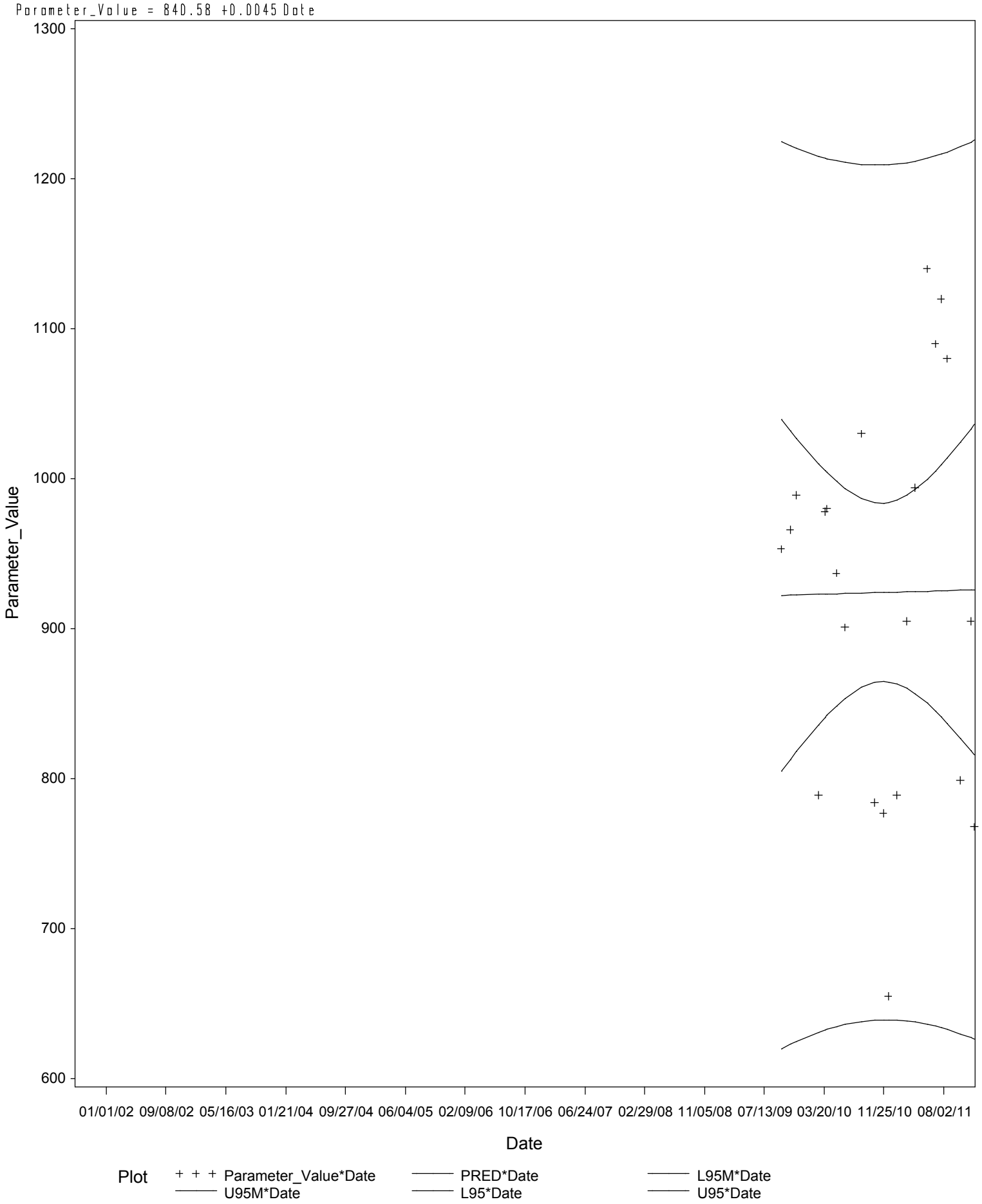
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13196



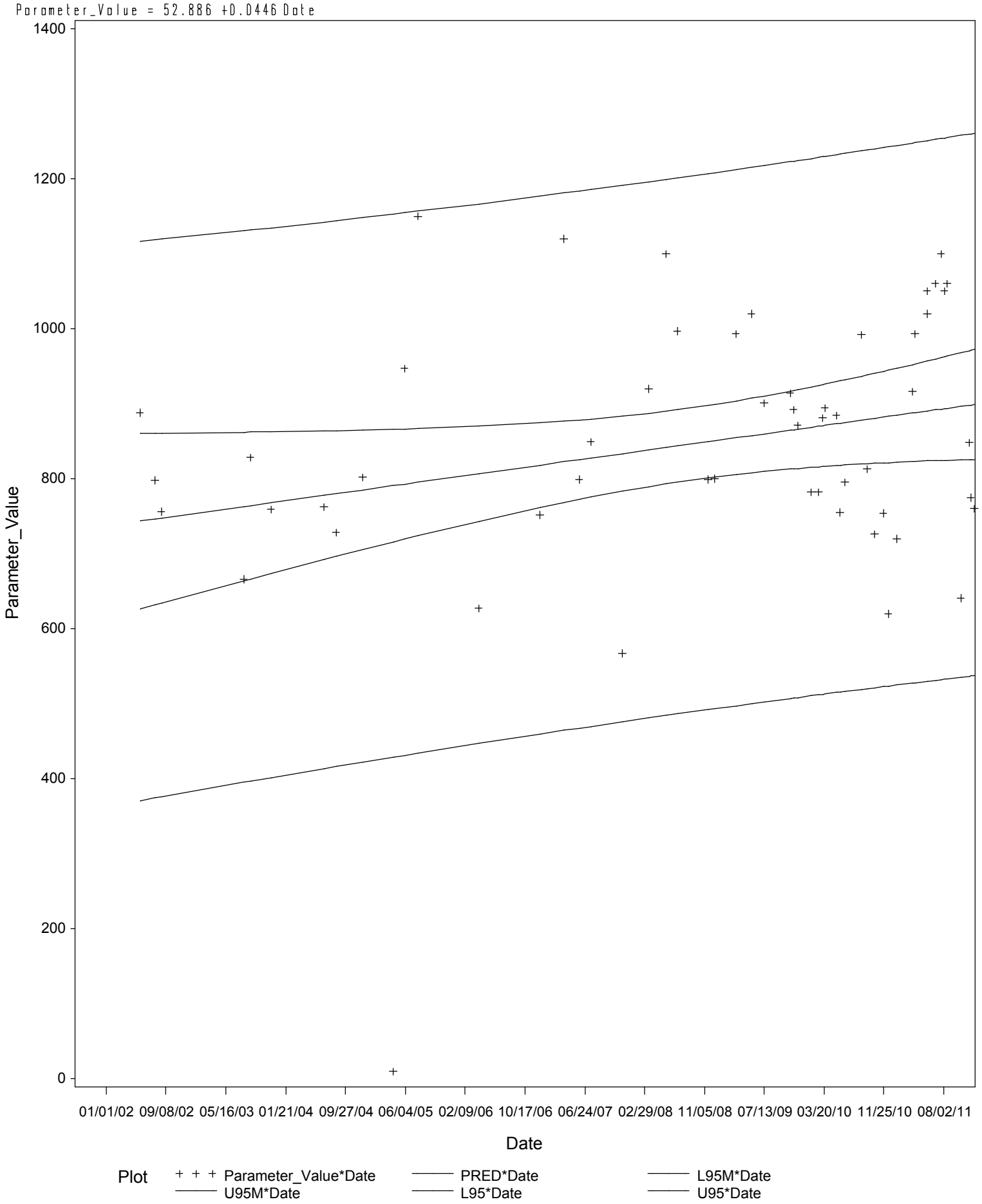
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13200



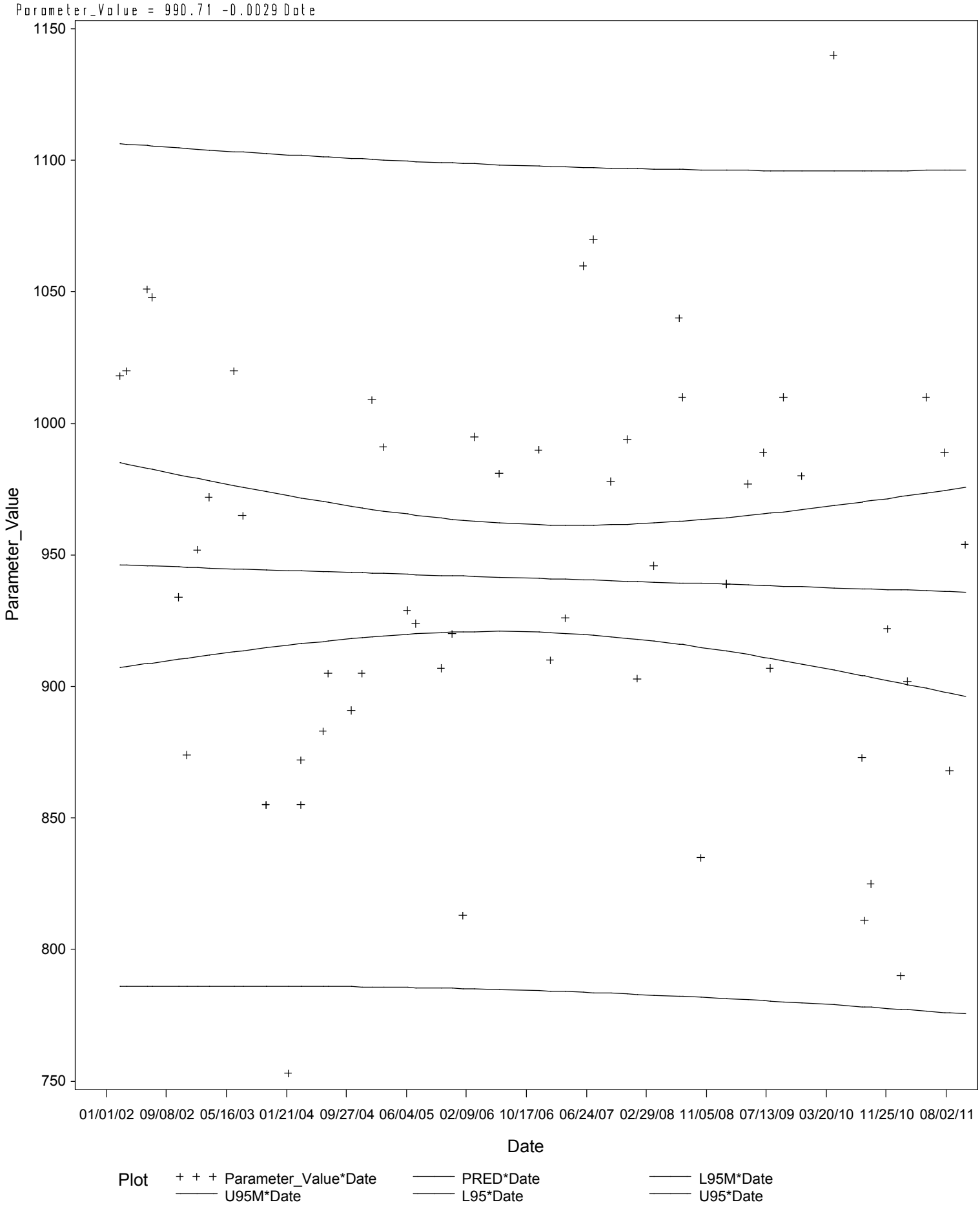
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13202



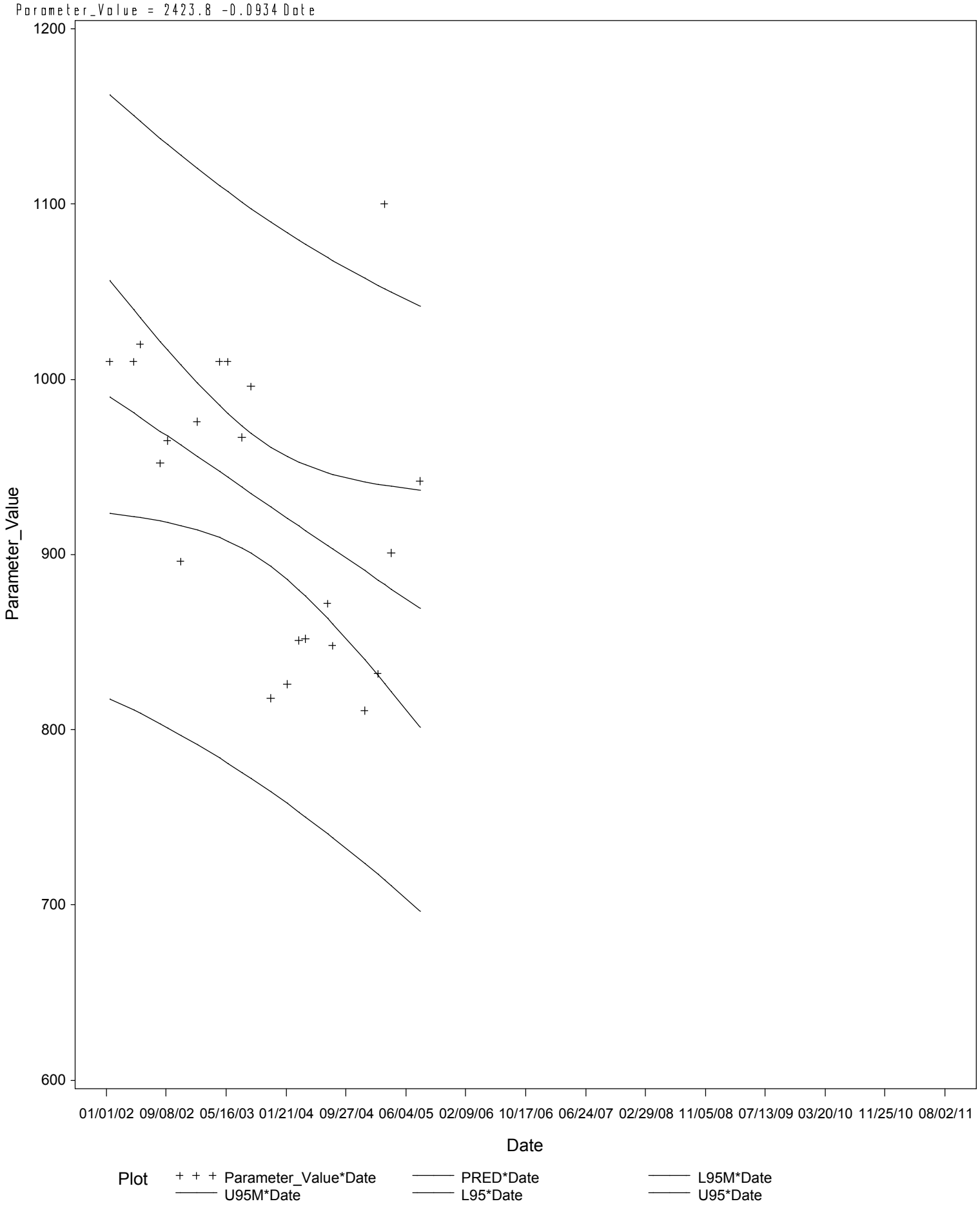
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13208



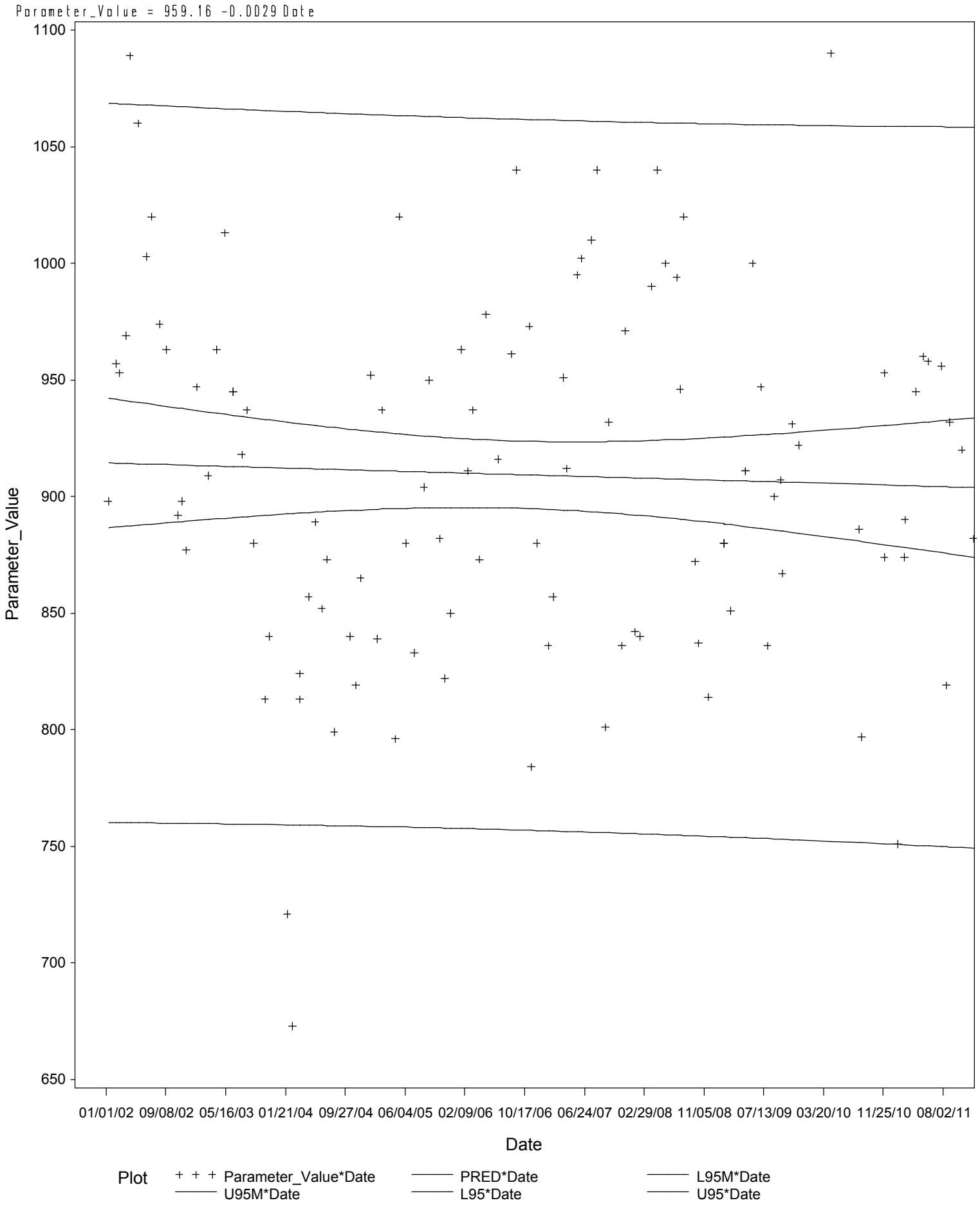
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13209



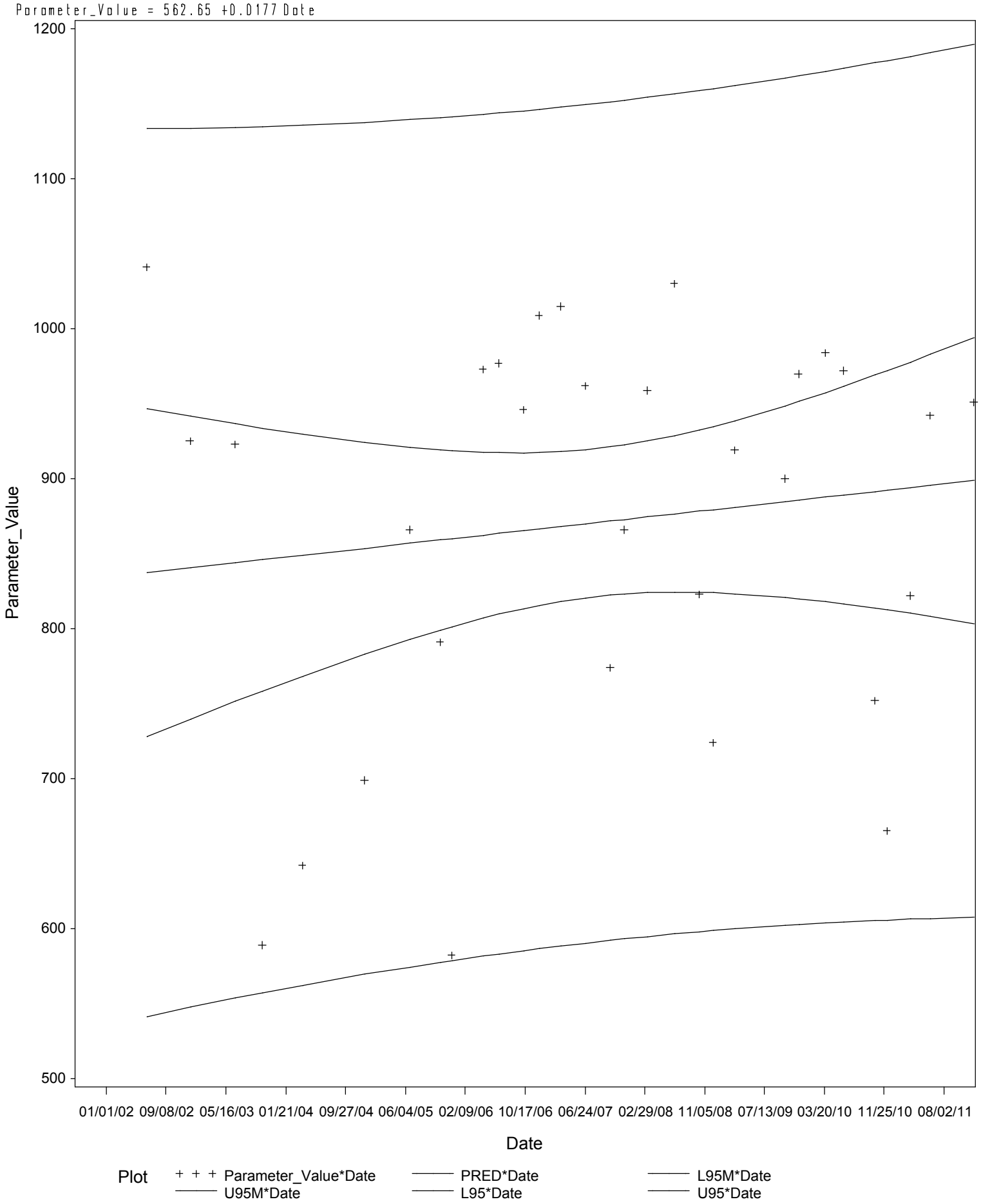
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13560



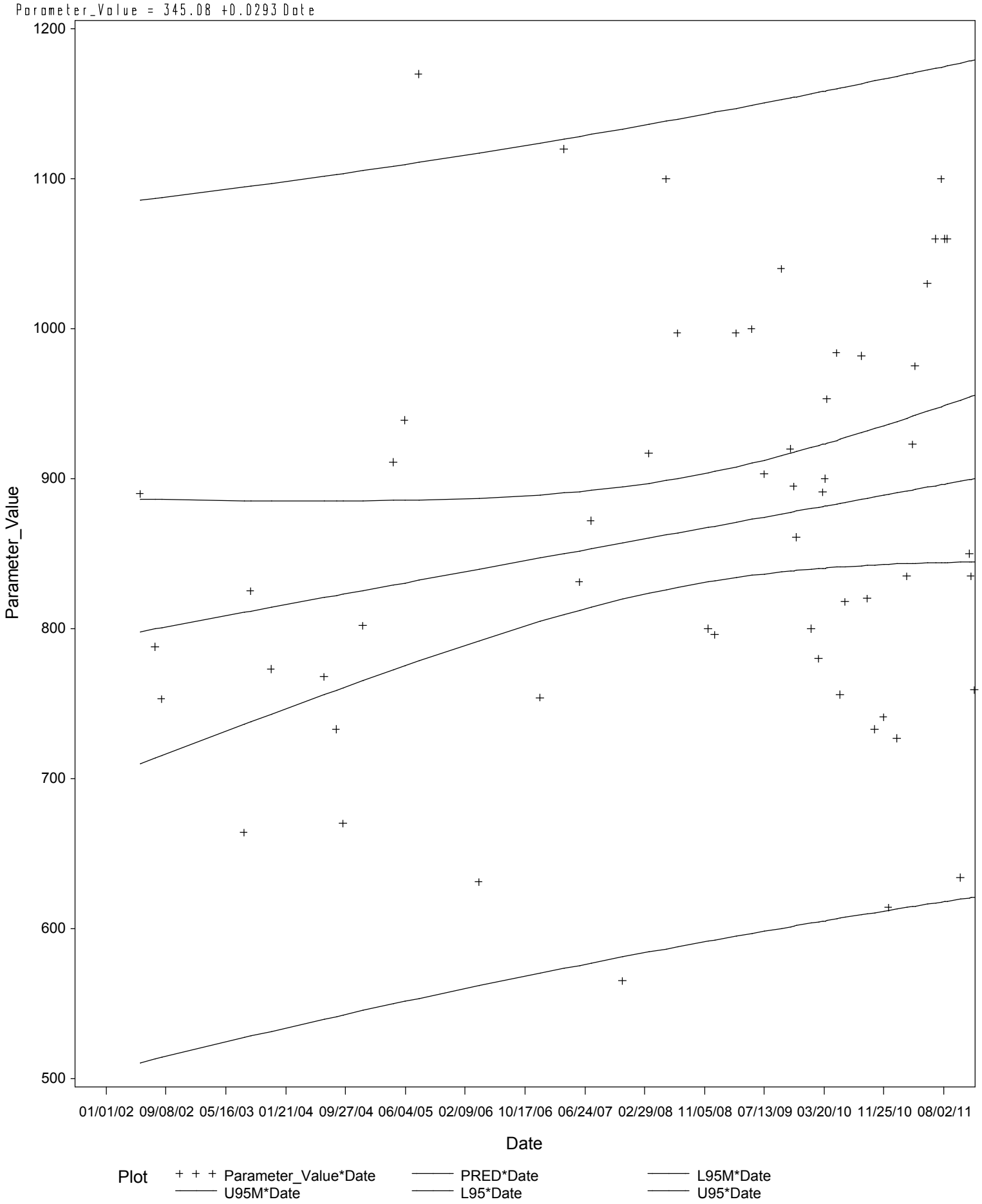
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15274



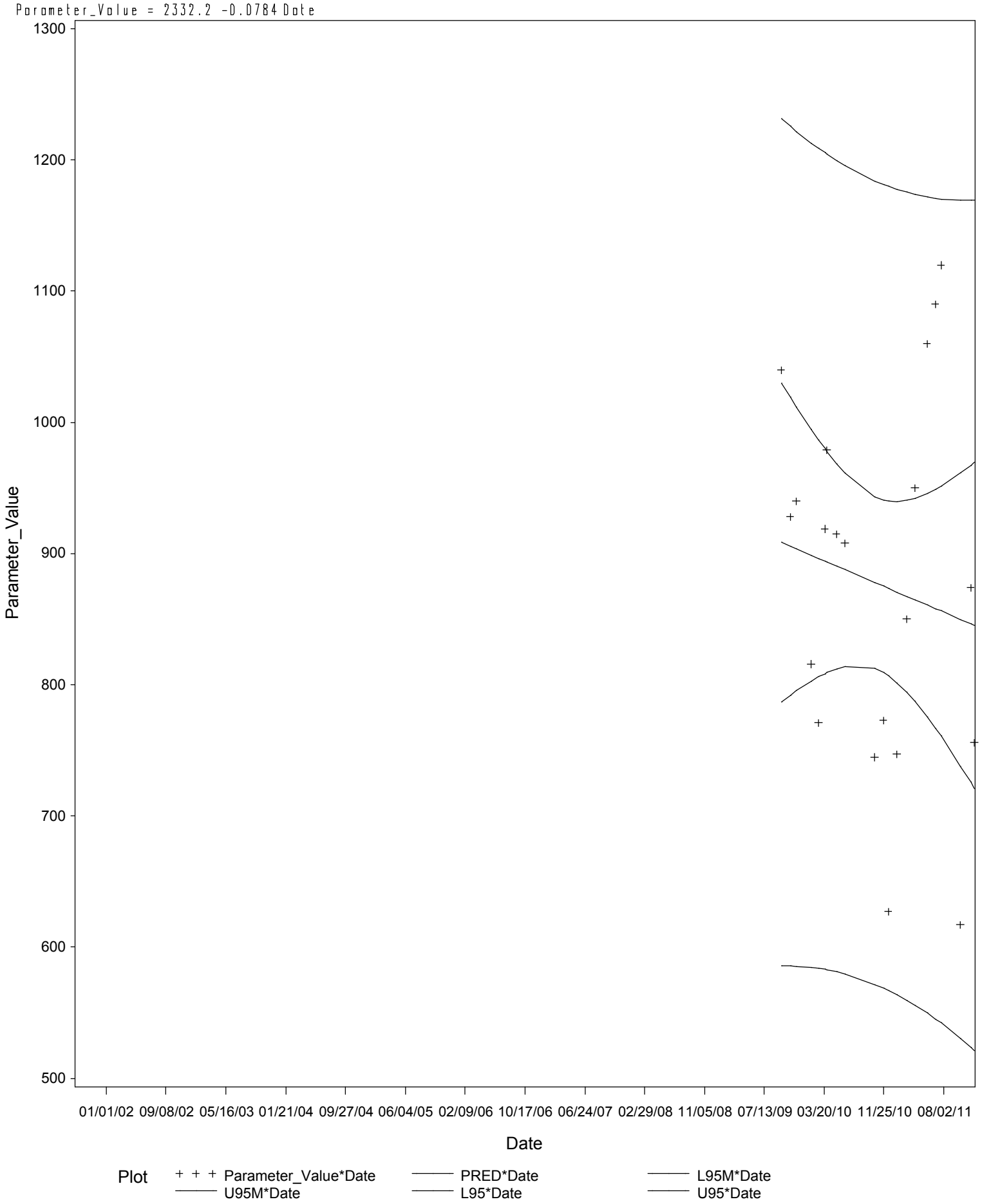
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15814



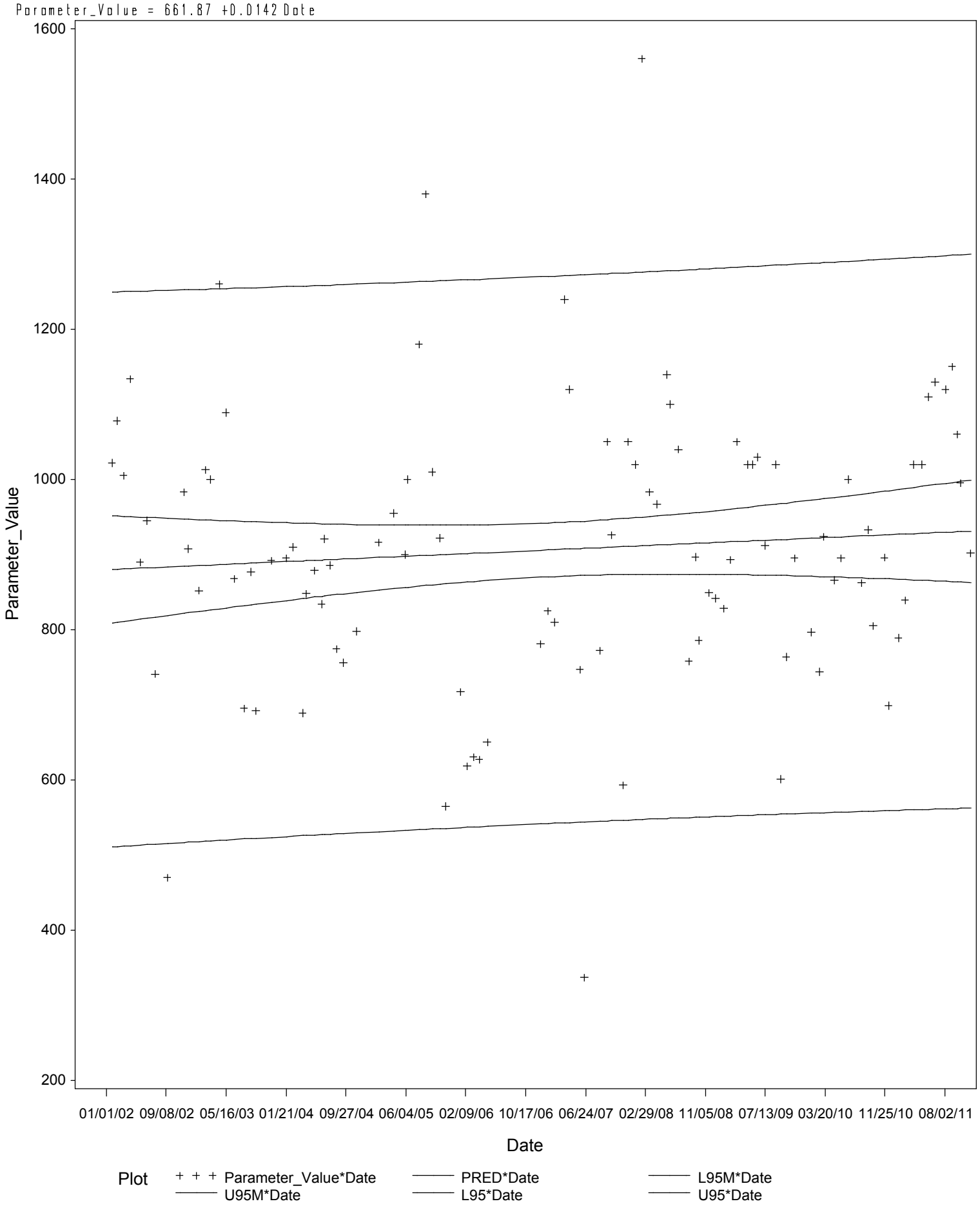
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15815



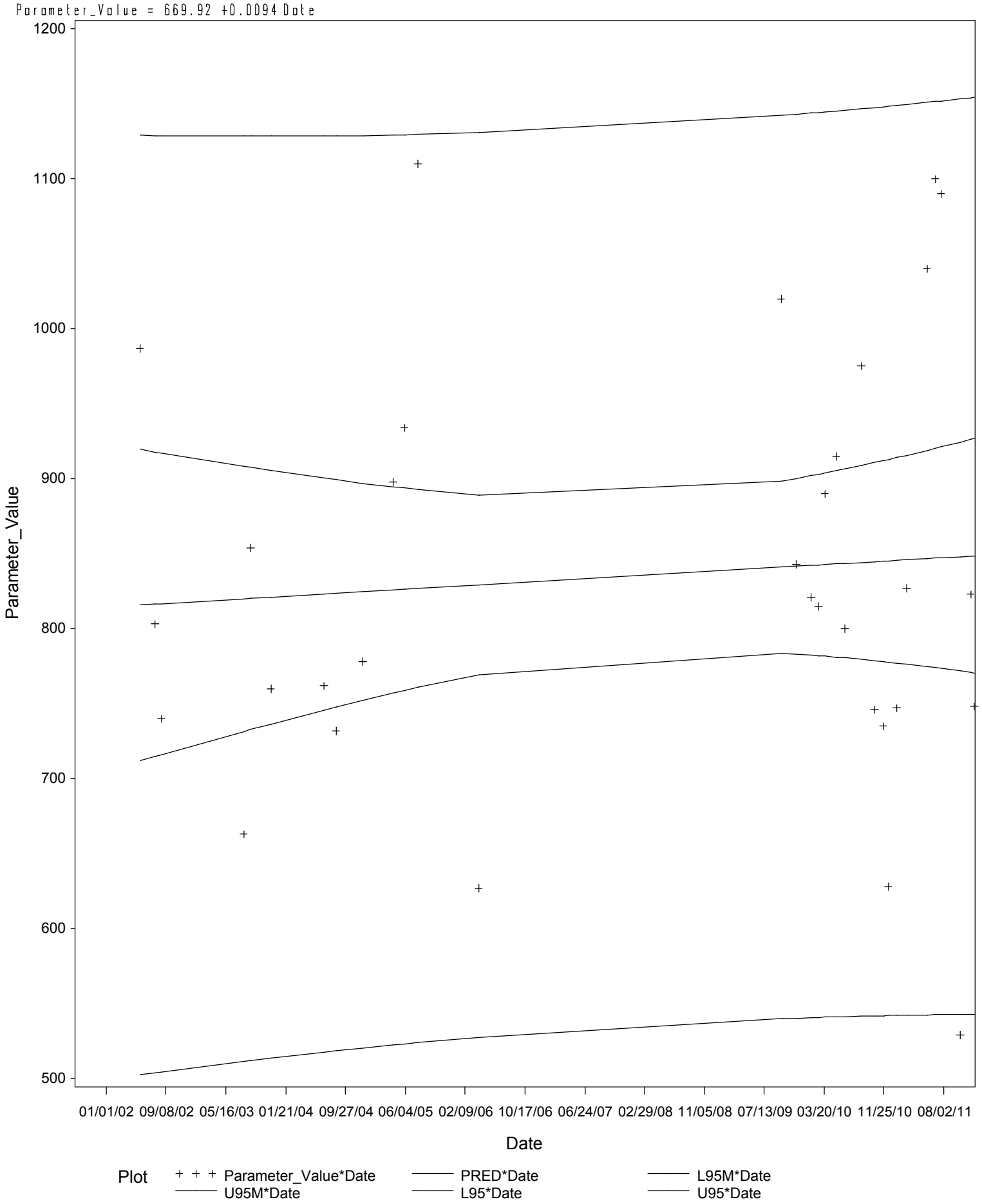
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15817



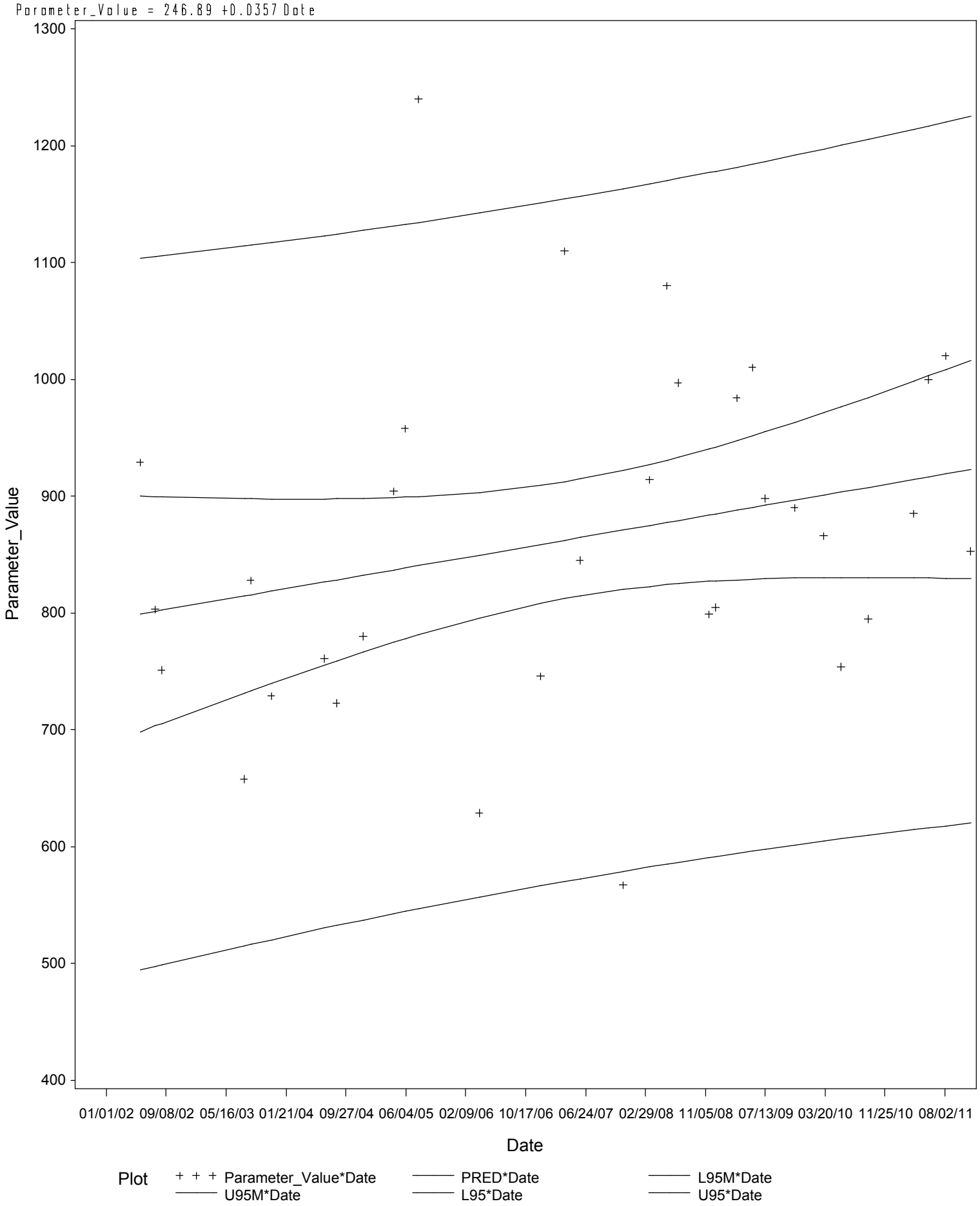
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15839



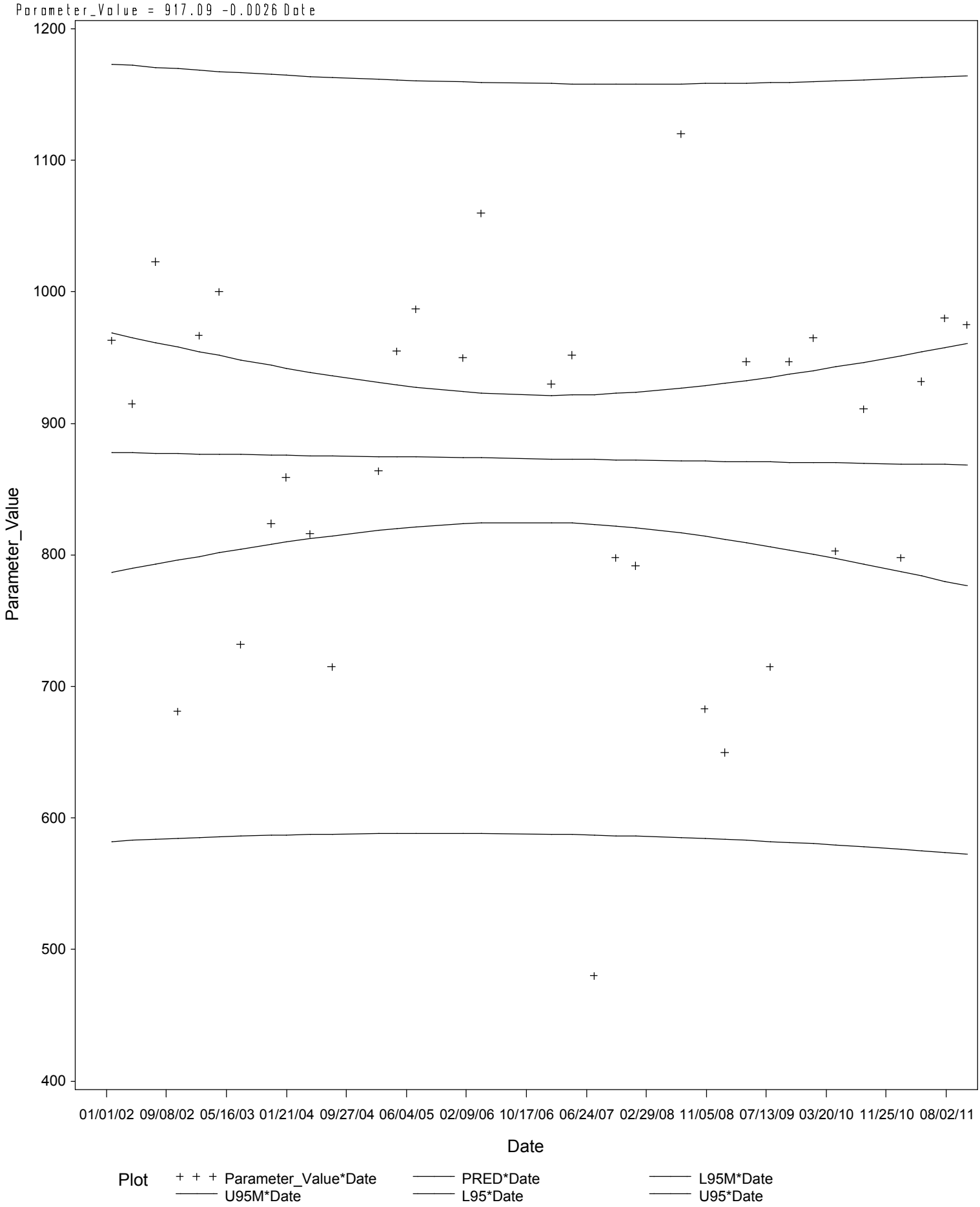
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=17410



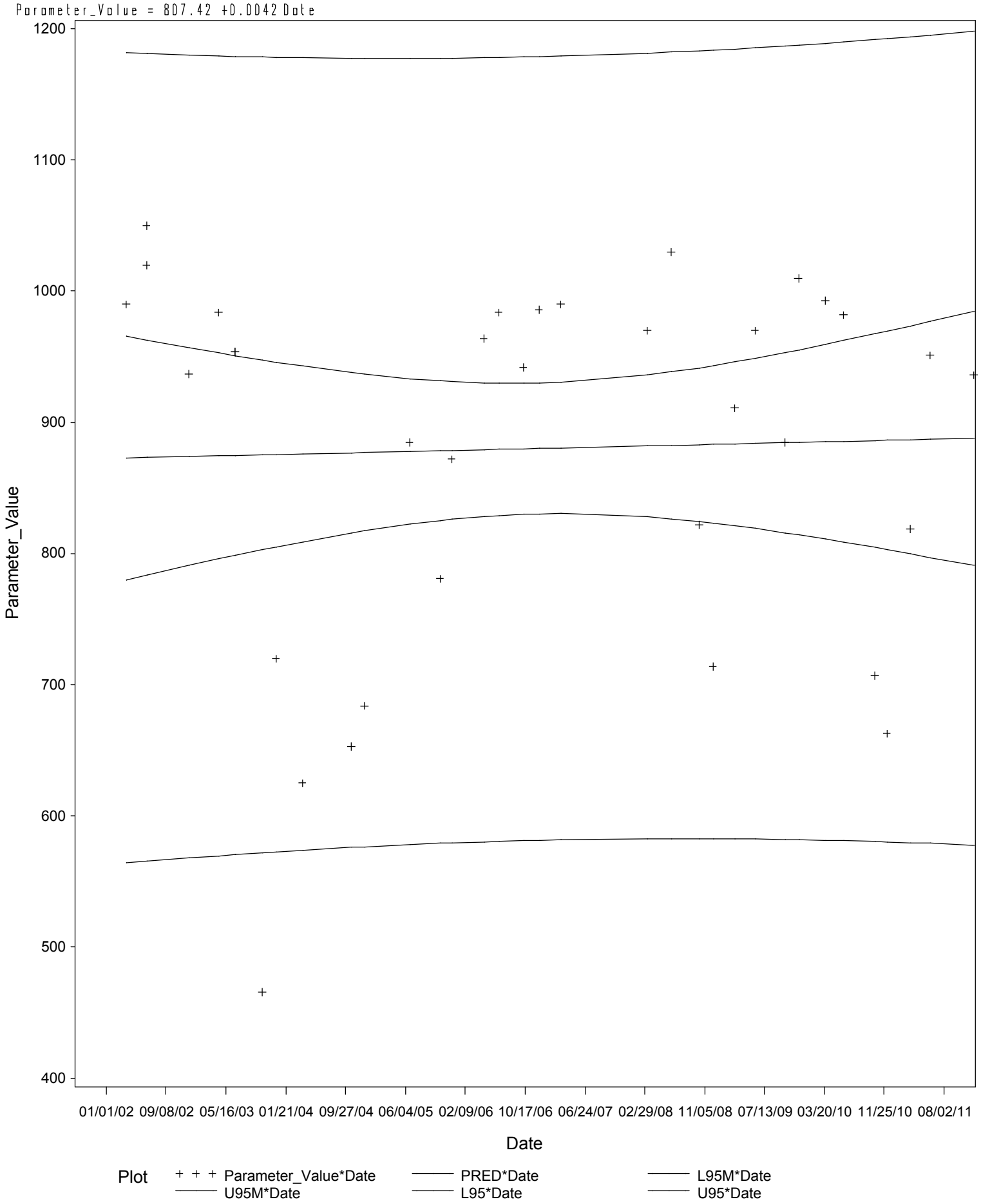
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=17596



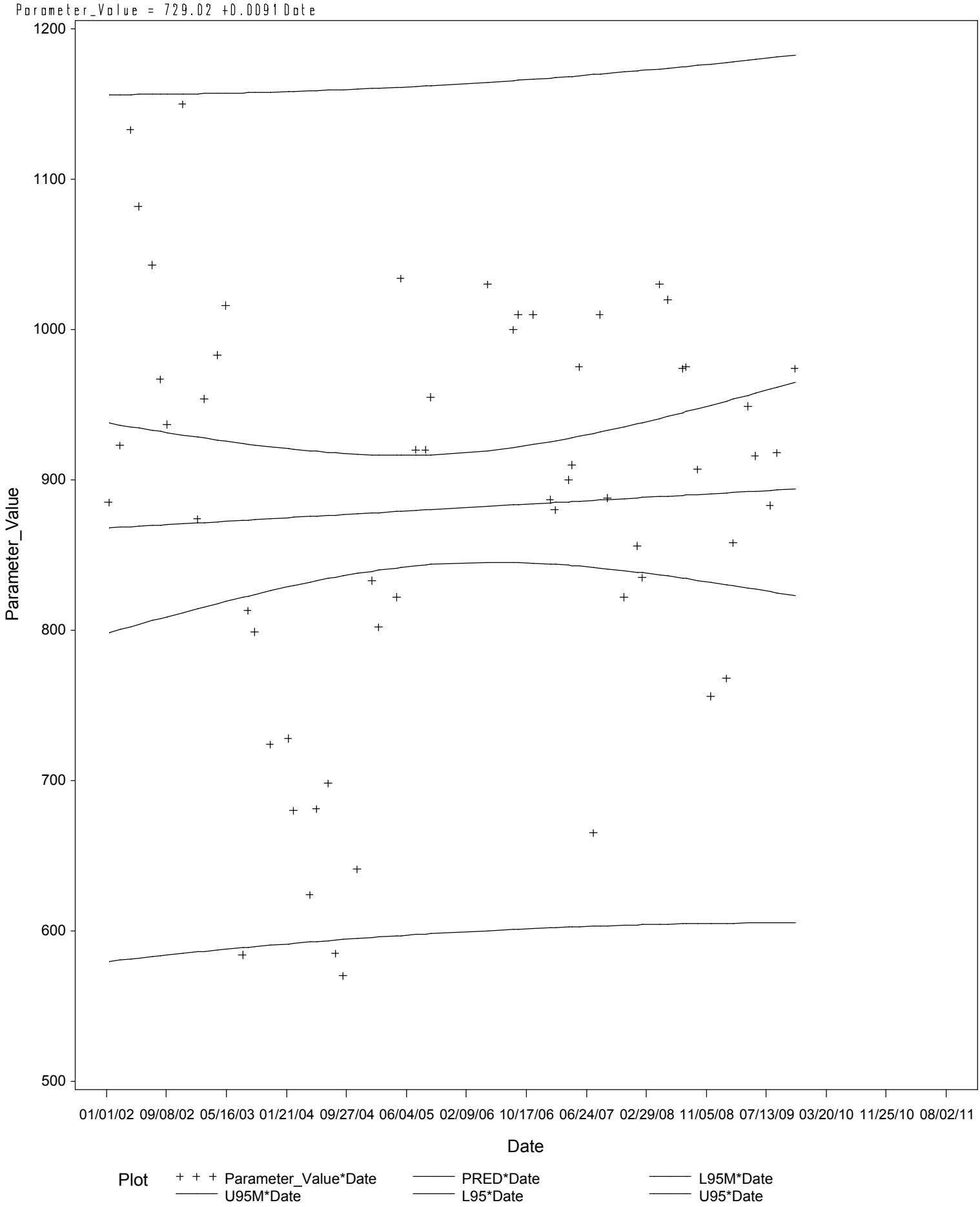
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=18792



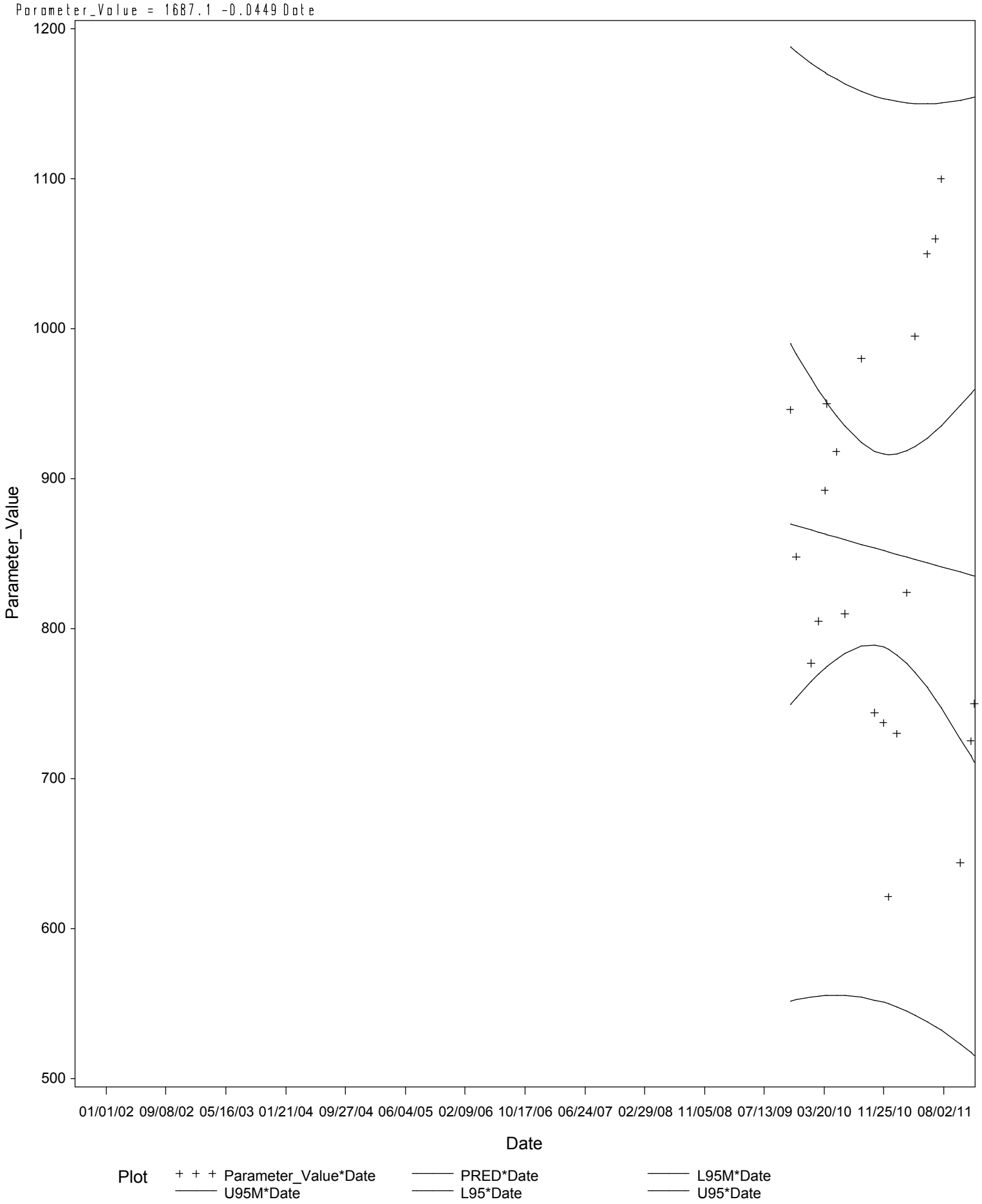
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=18795



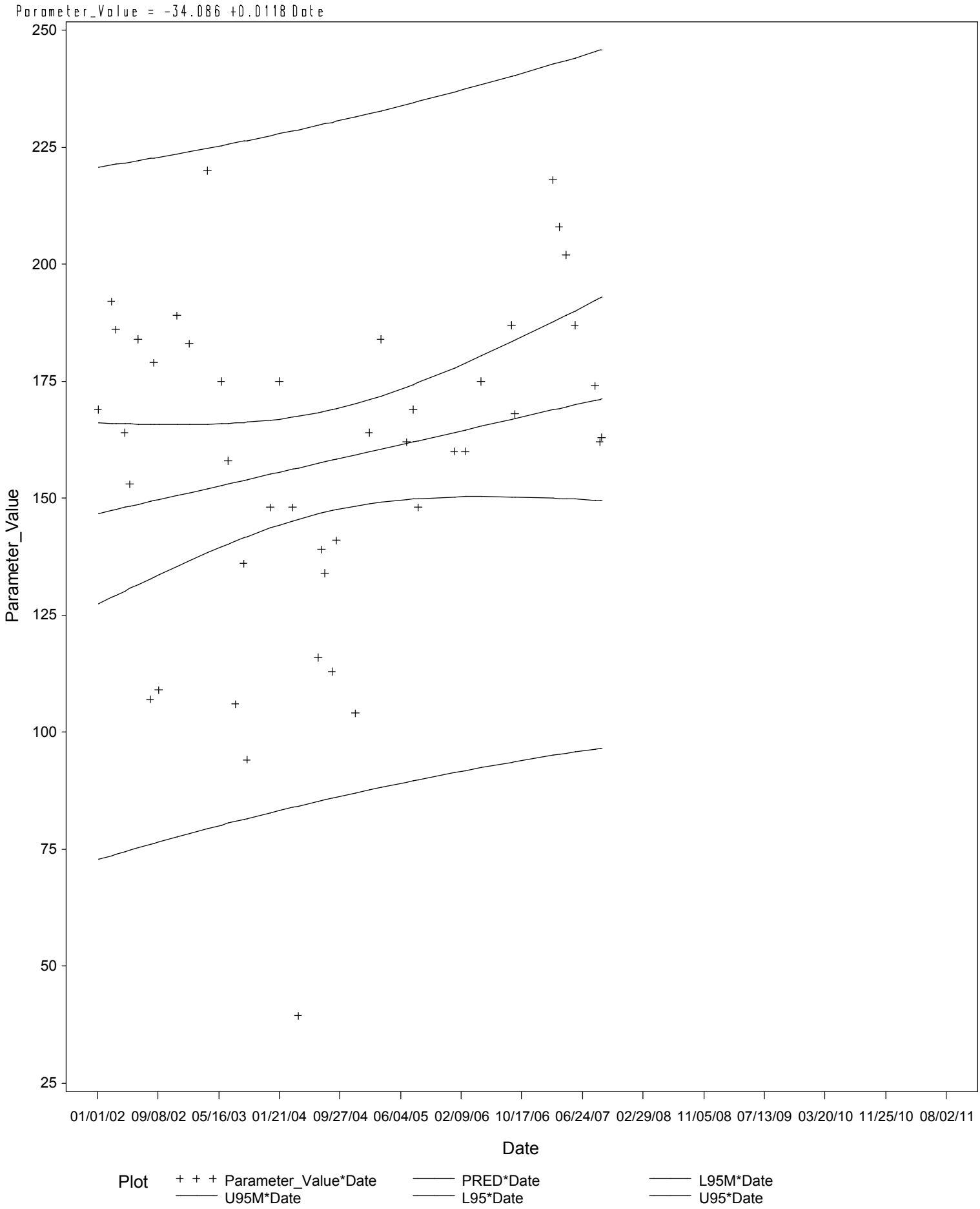
Rio Grande Below Amistad Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=20650



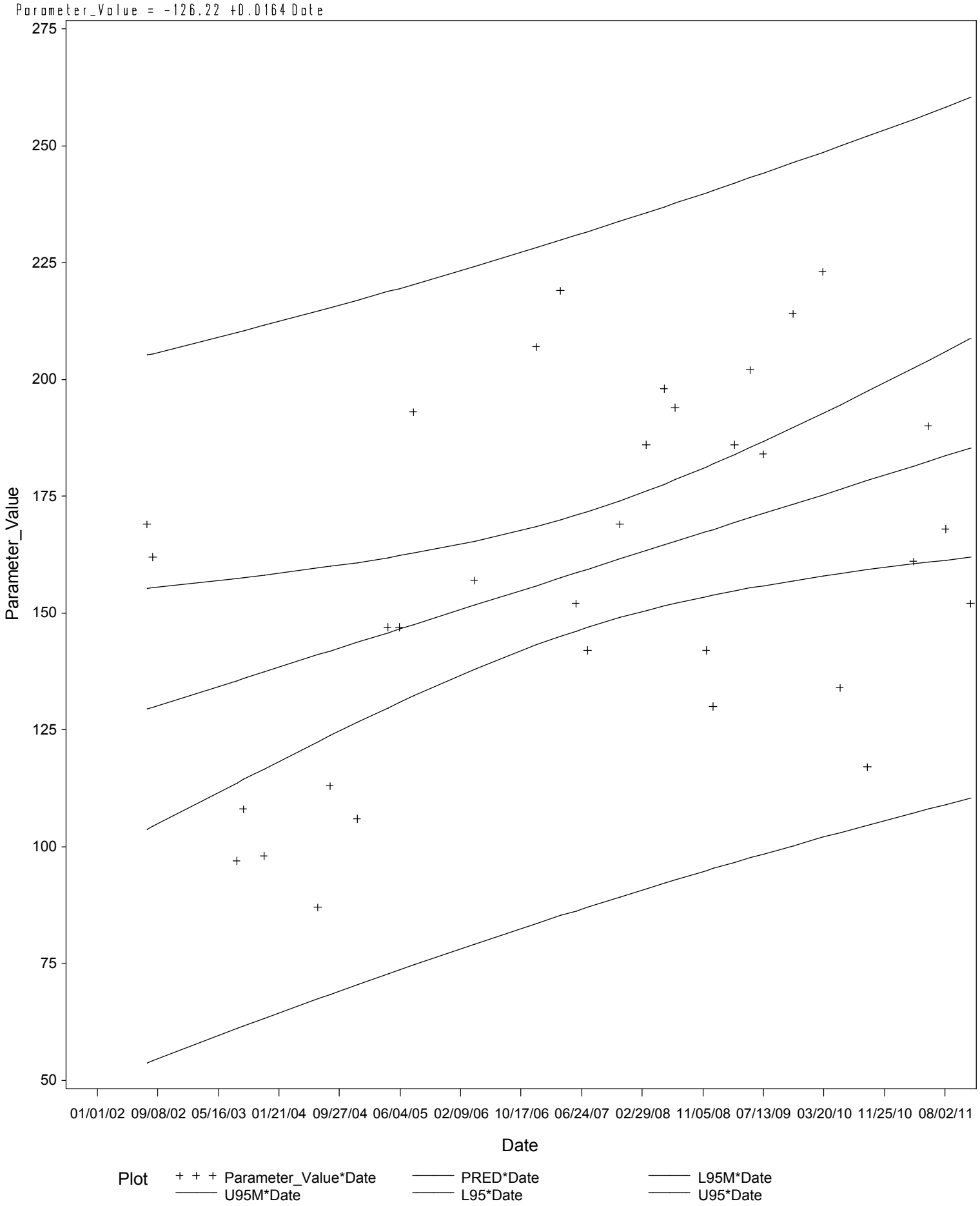
Rio Grande Below Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13196



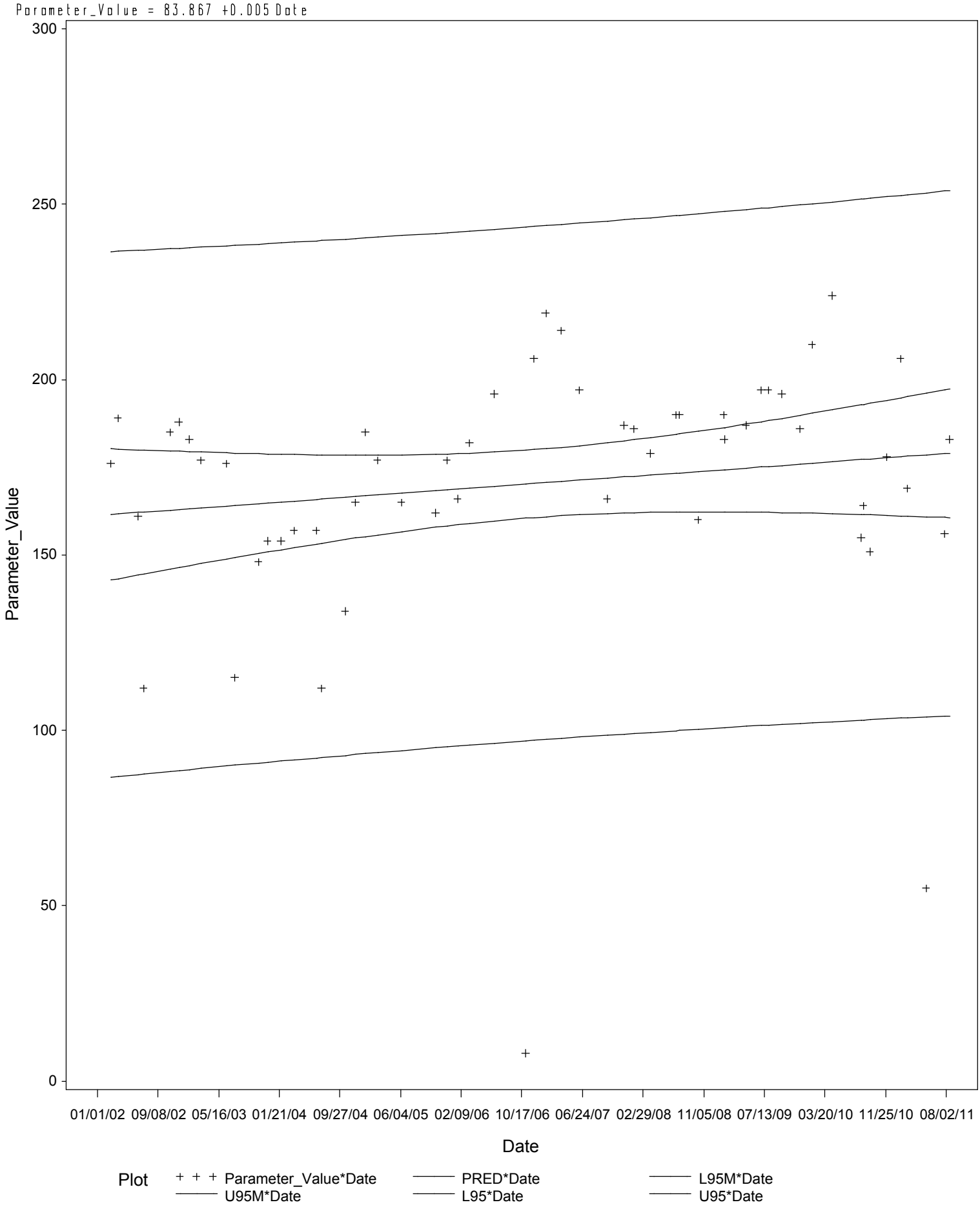
Rio Grande Below Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13202



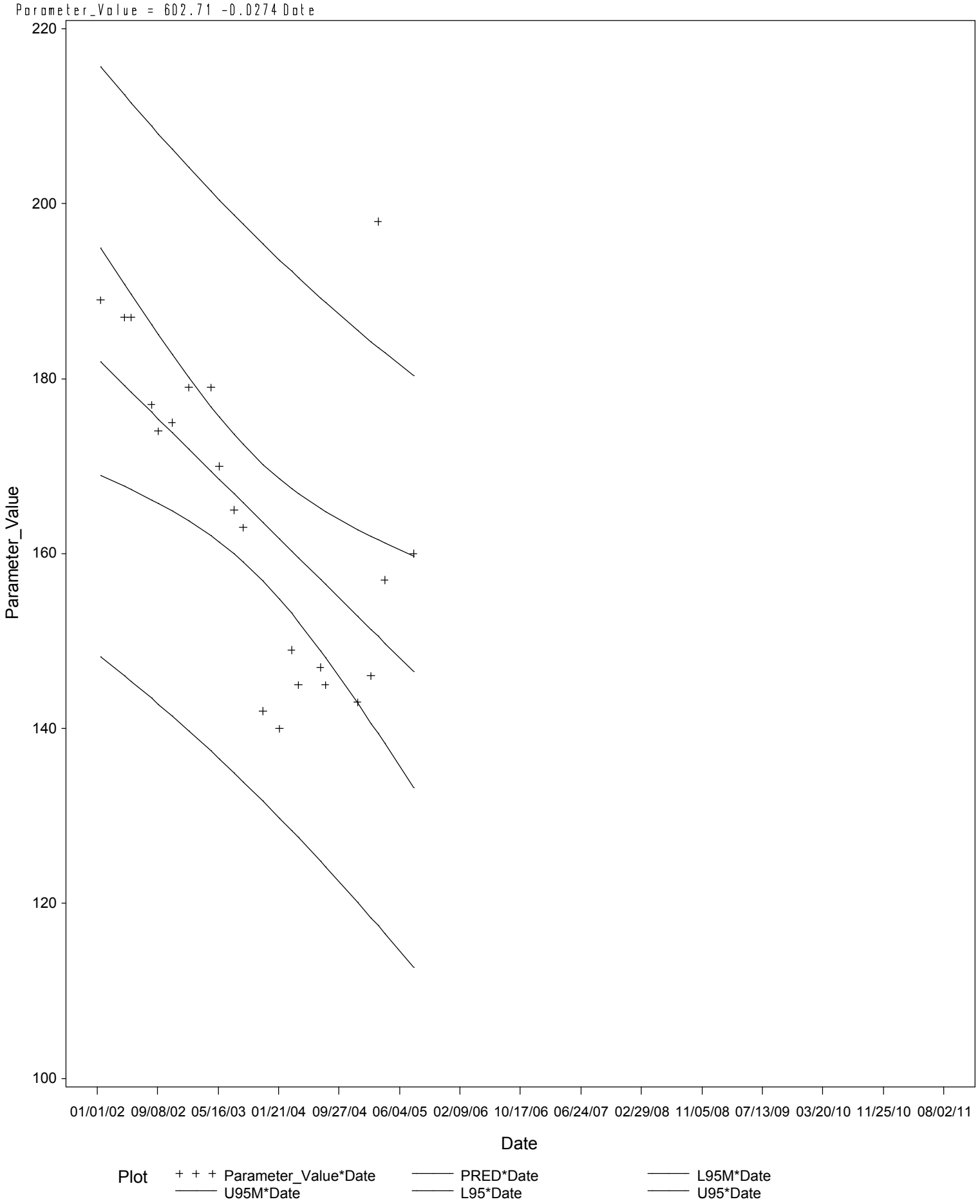
Rio Grande Below Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13208



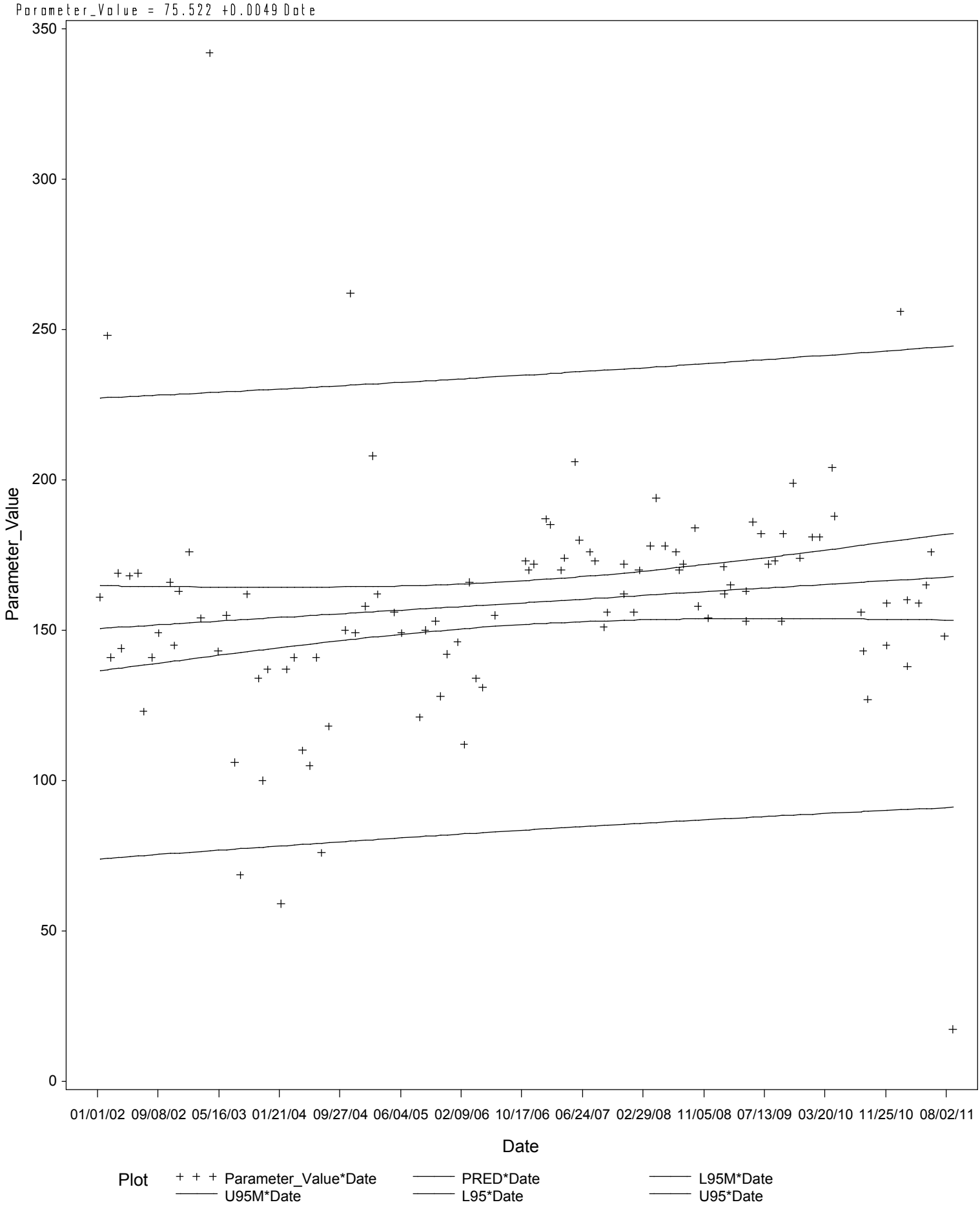
Rio Grande Below Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13209



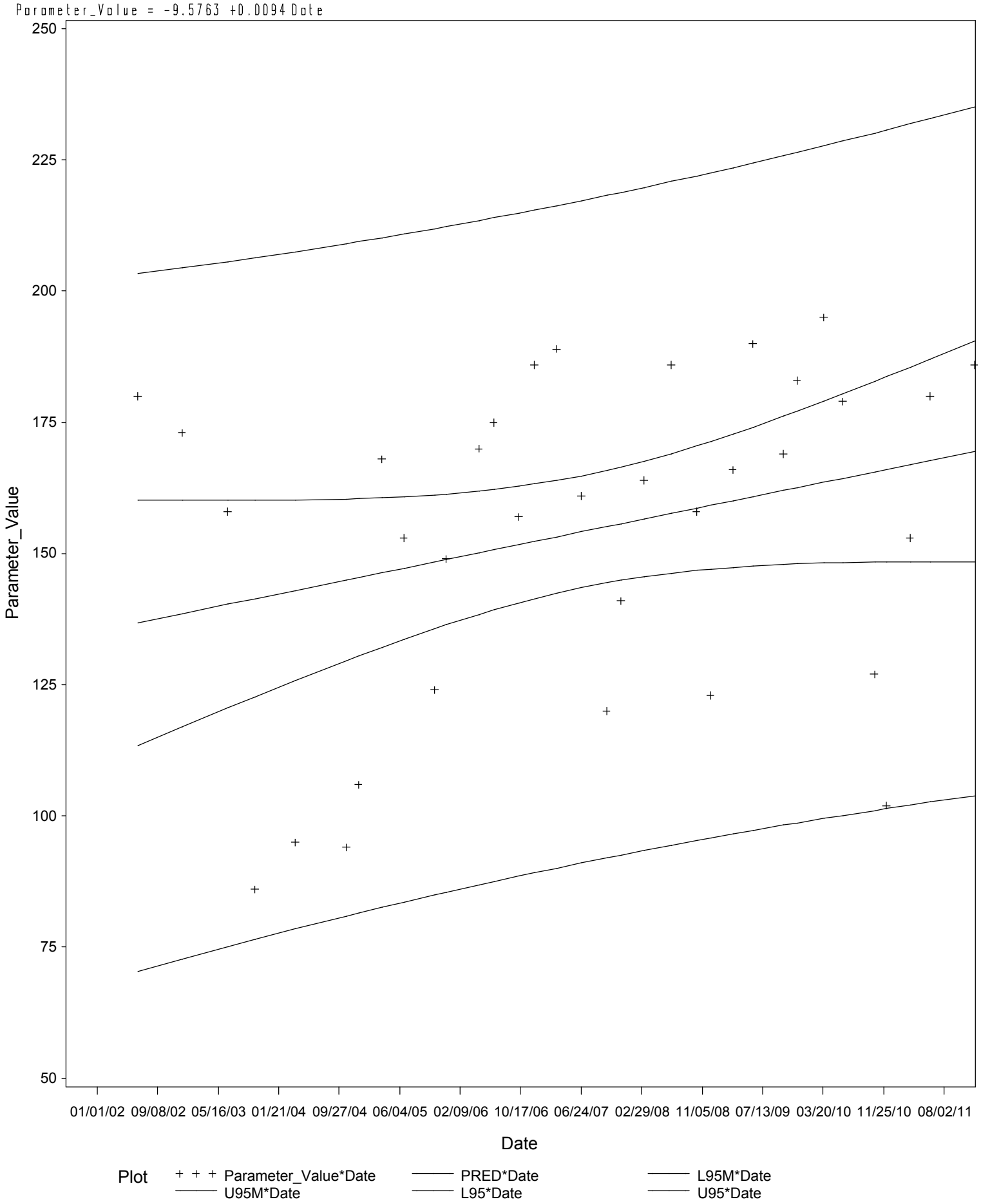
Rio Grande Below Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13560



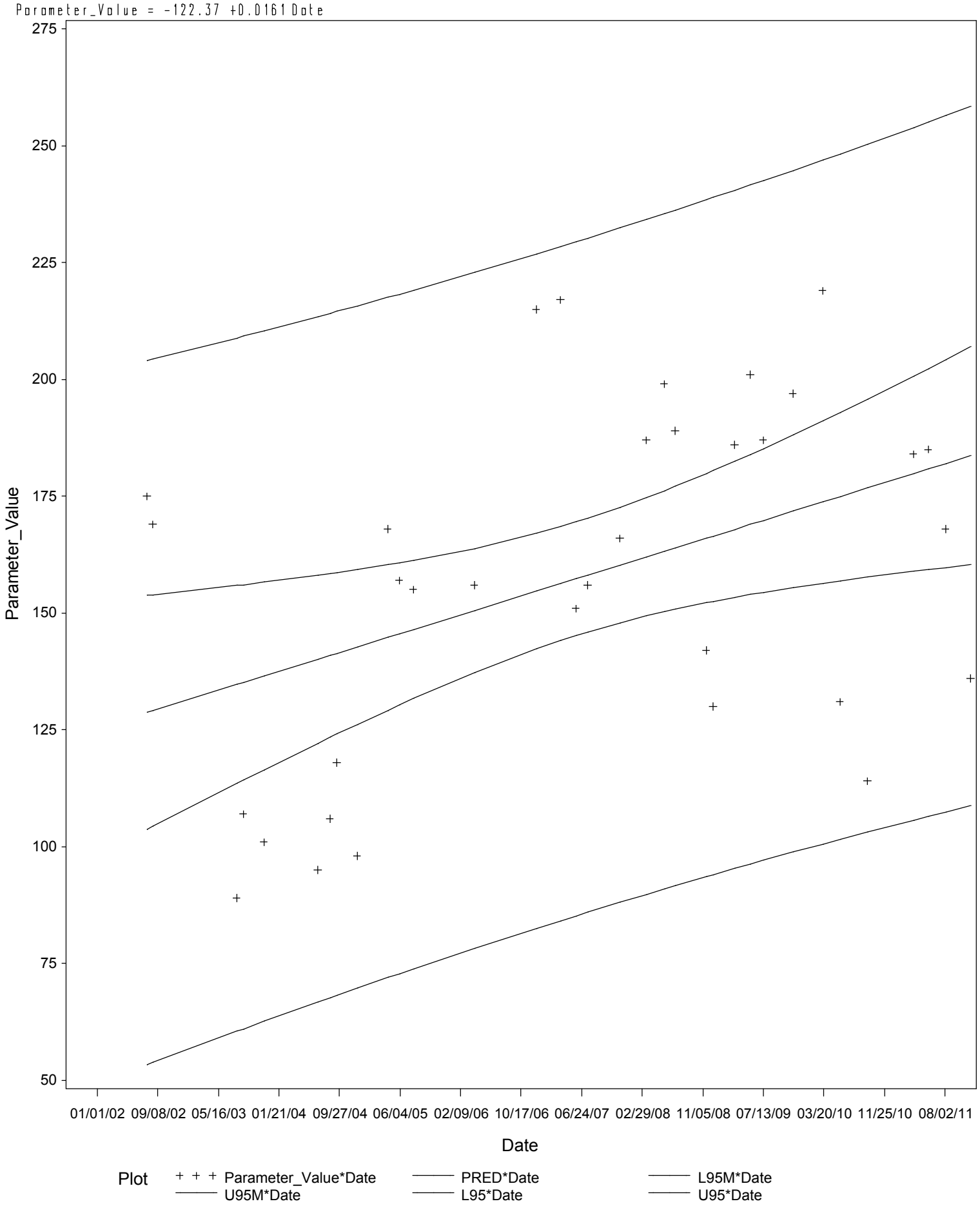
Rio Grande Below Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=15274



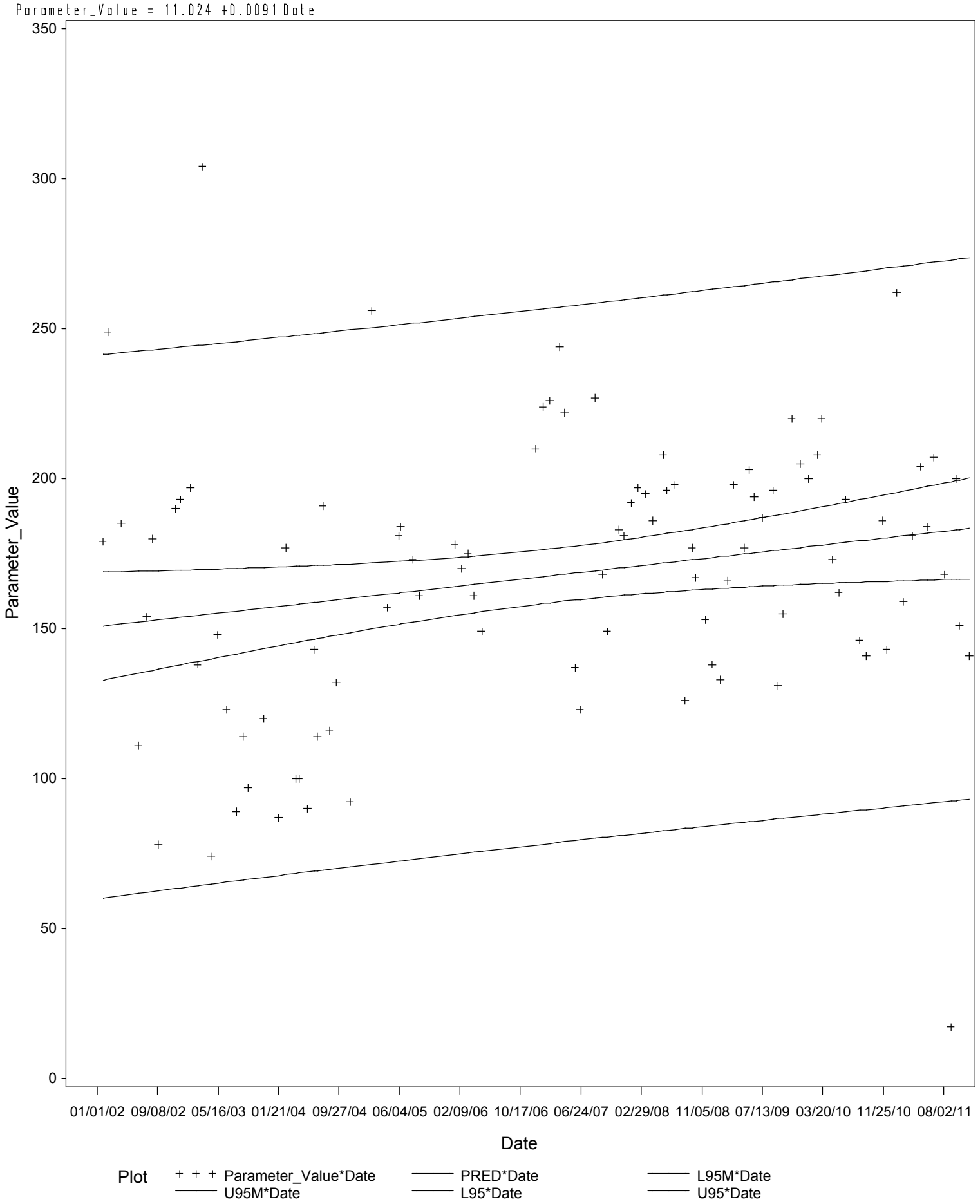
Rio Grande Below Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=15814



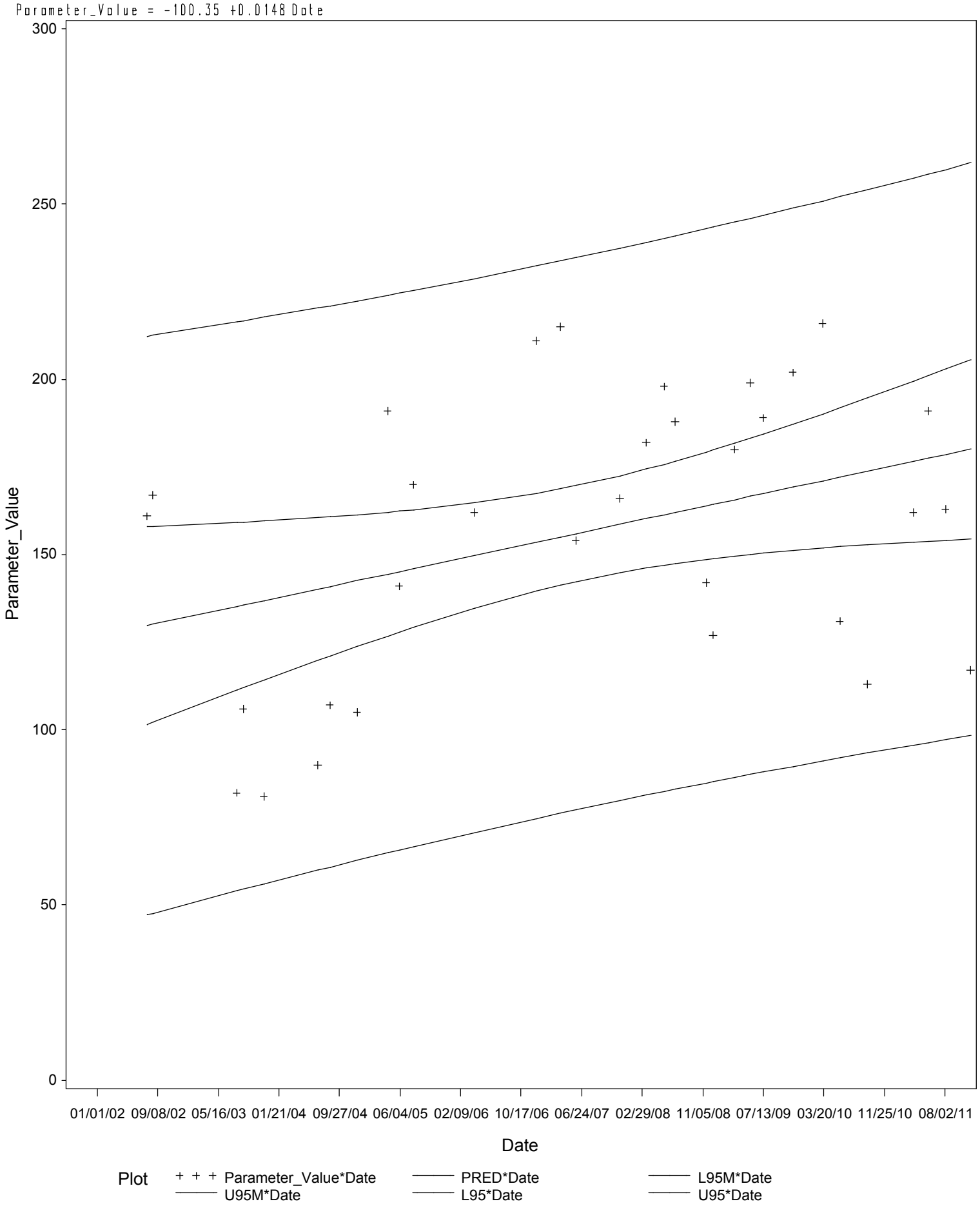
Rio Grande Below Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=15817



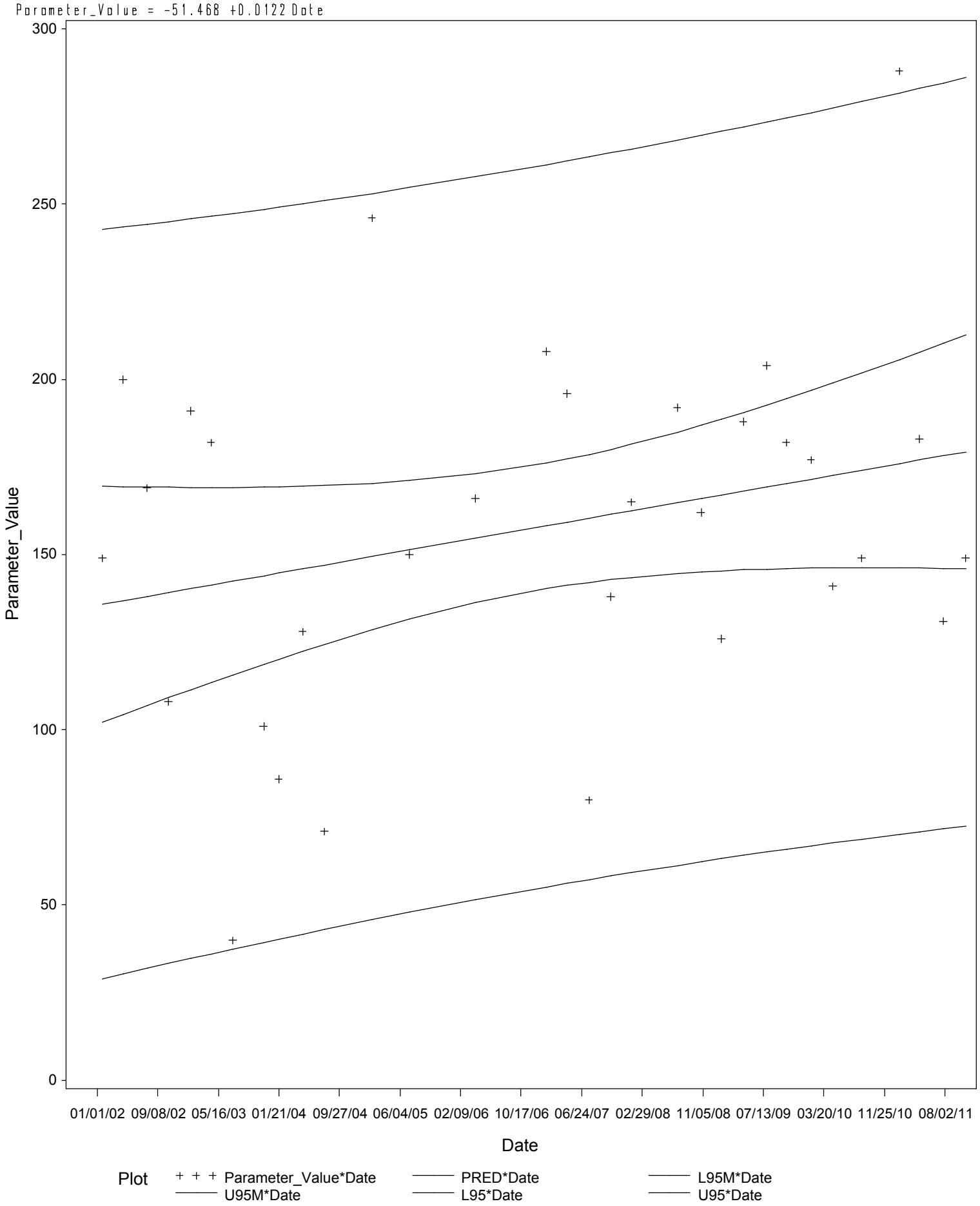
Rio Grande Below Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=17410



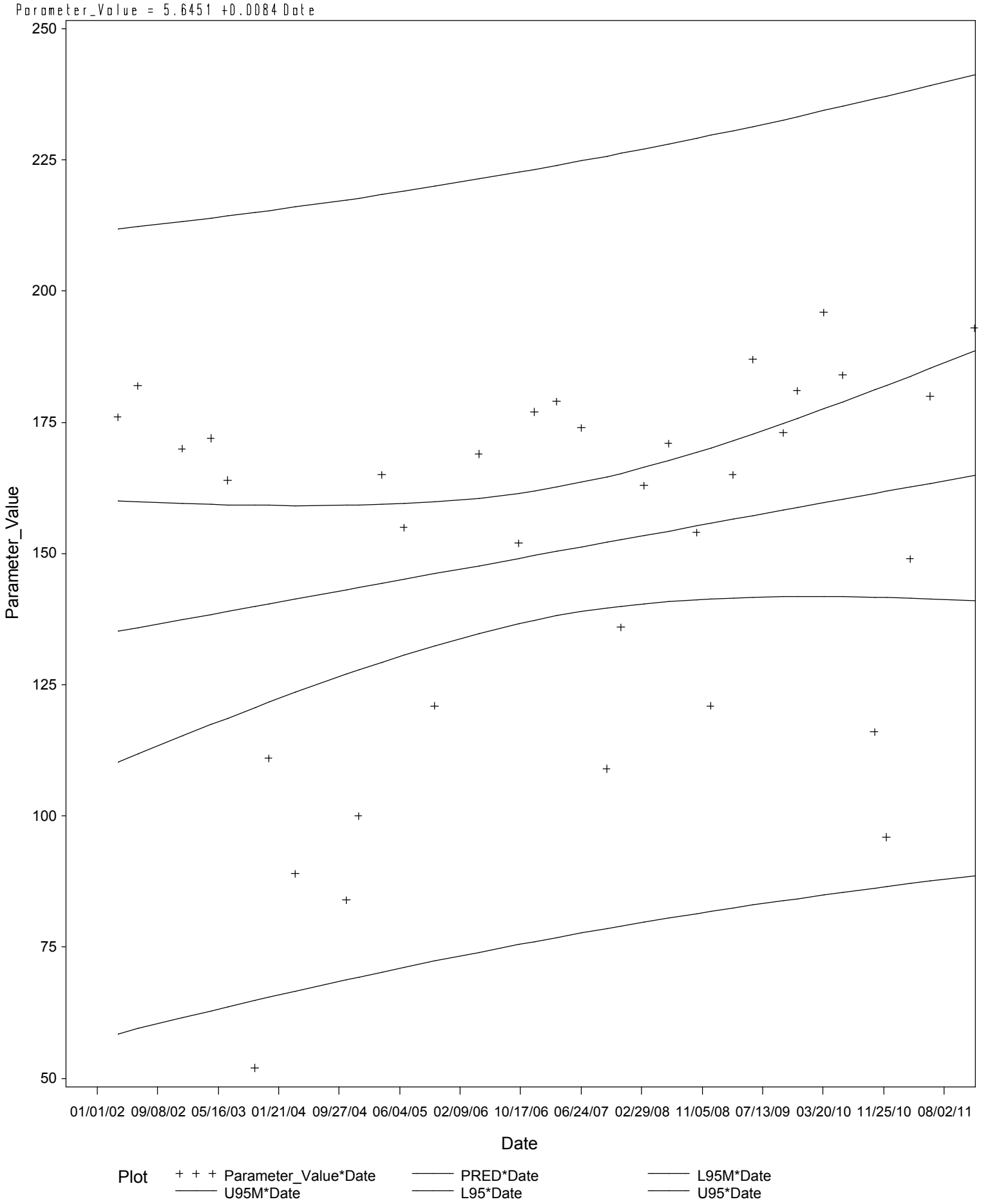
Rio Grande Below Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=17596



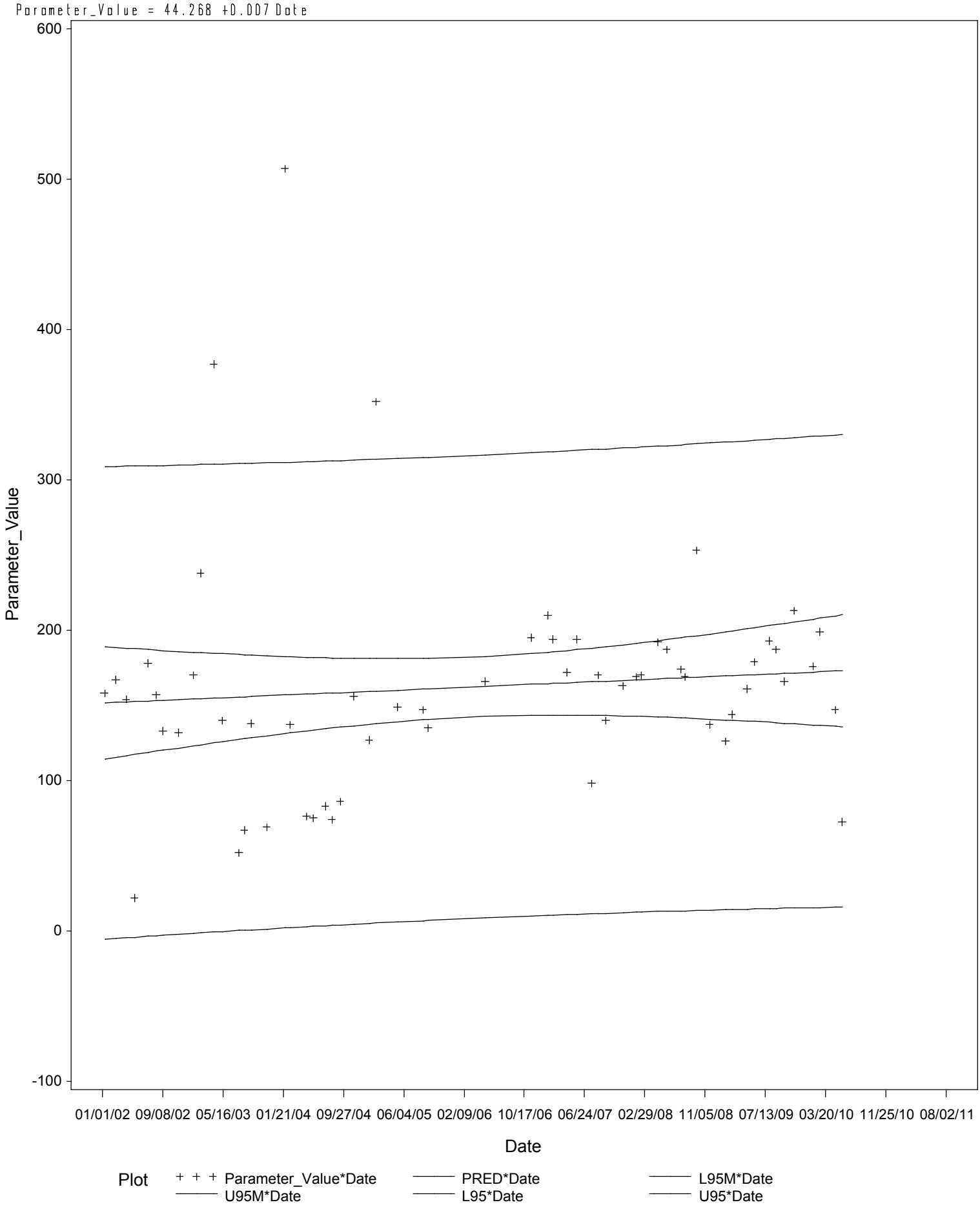
Rio Grande Below Amistad Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=18792

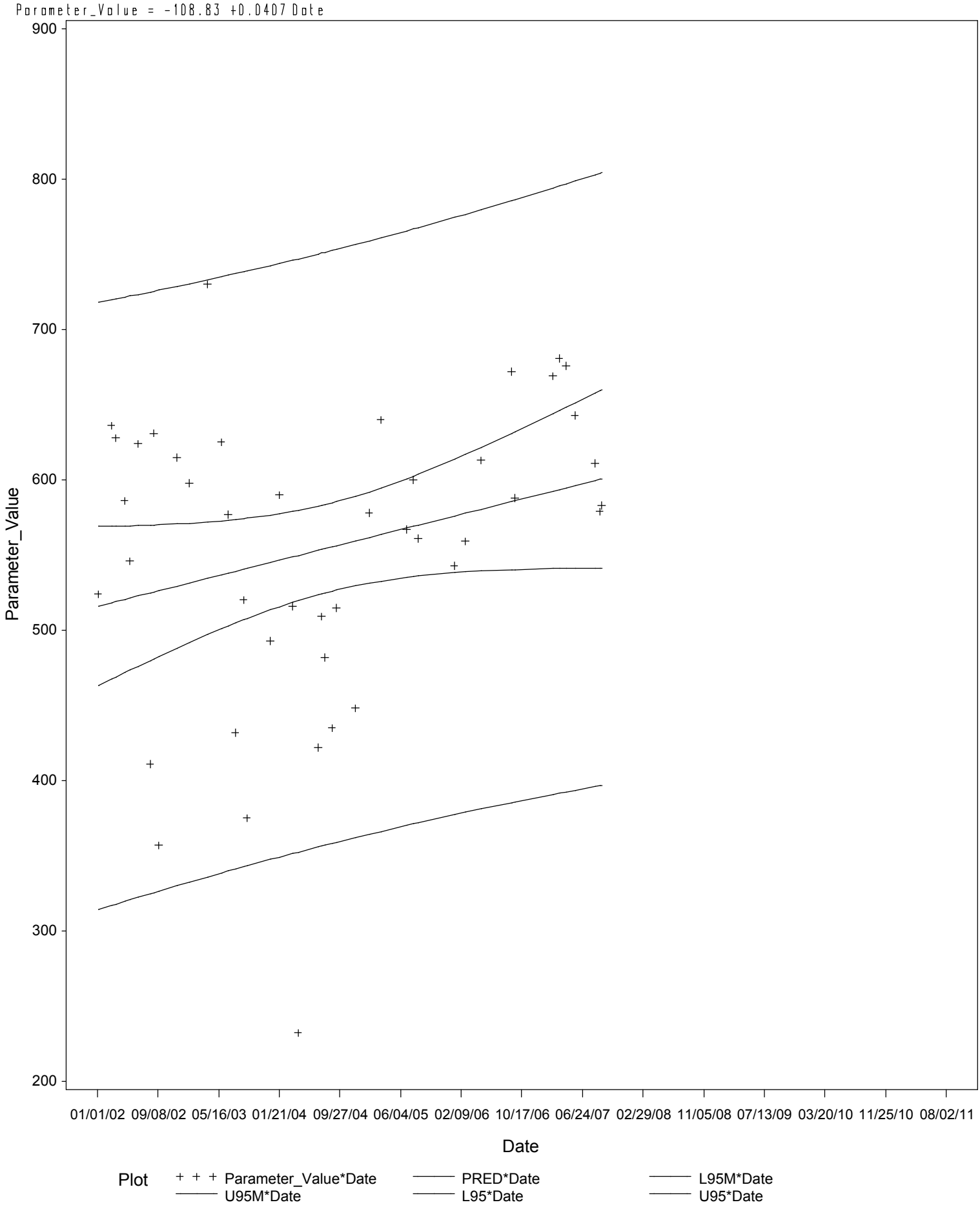


Rio Grande Below Amistad Reservoir

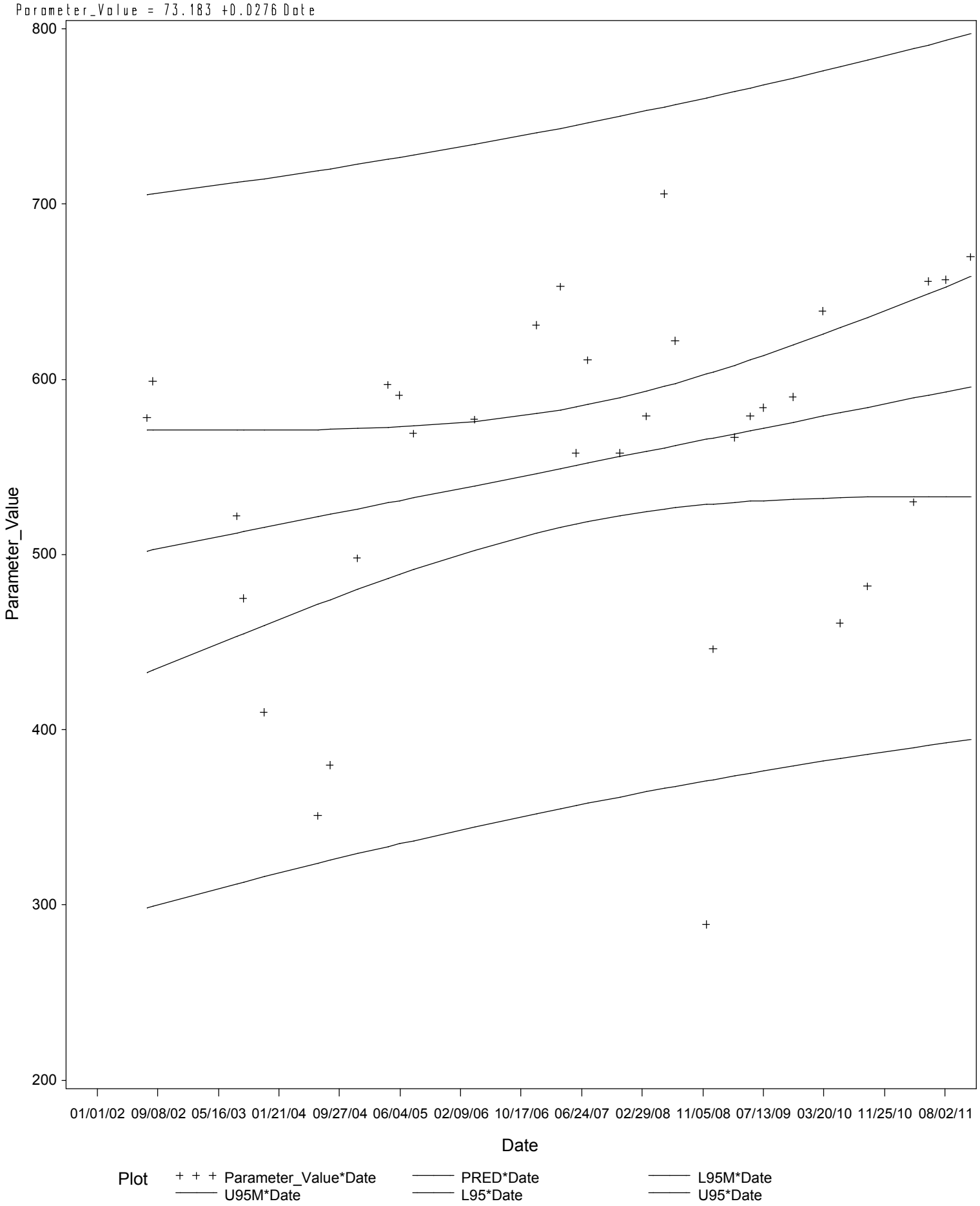
Parameter=SULFATE (MG/L AS SO4) Station=18795



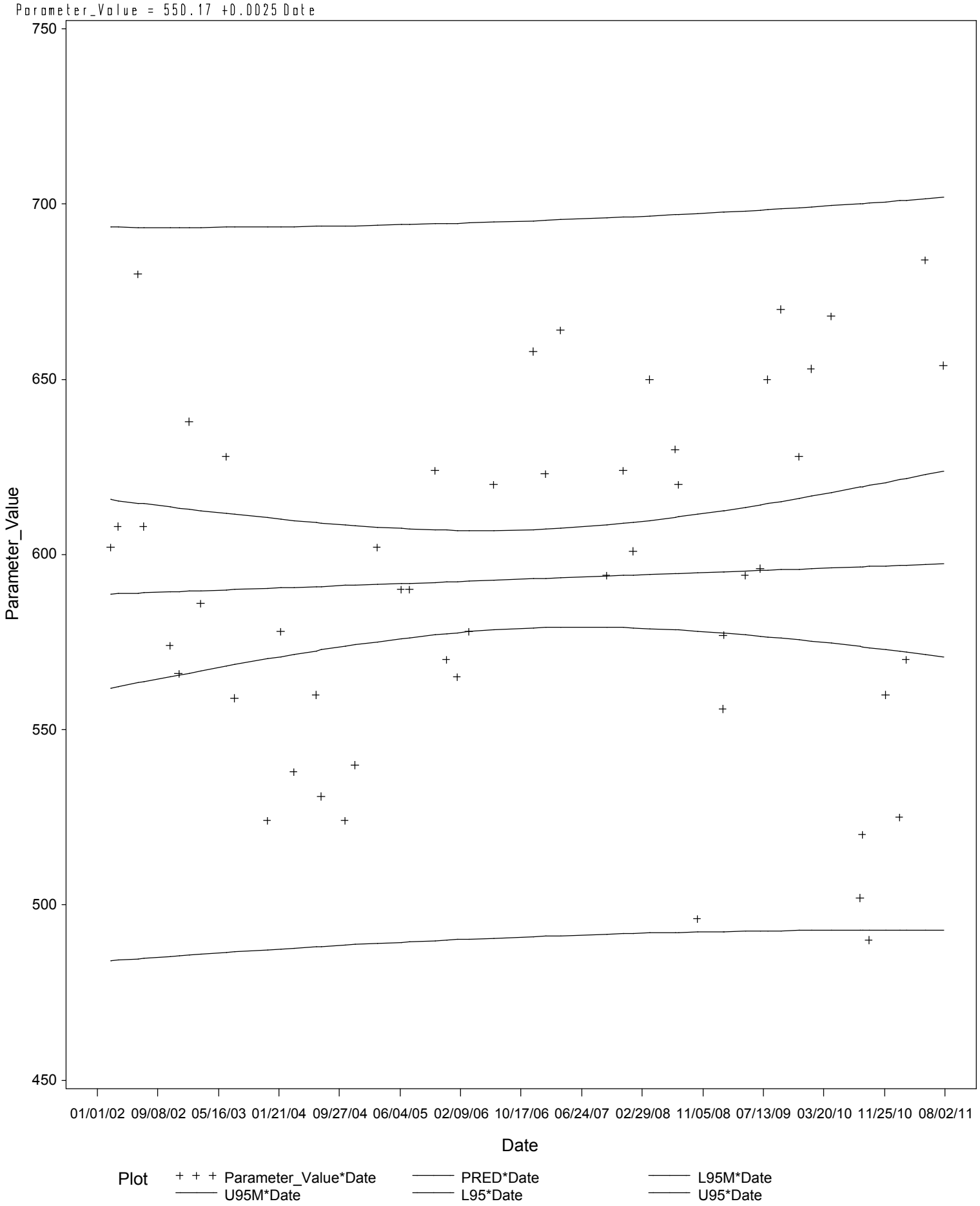
Rio Grande Below Amistad Reservoir
Parameter=TDS (MG/L) Station=13196



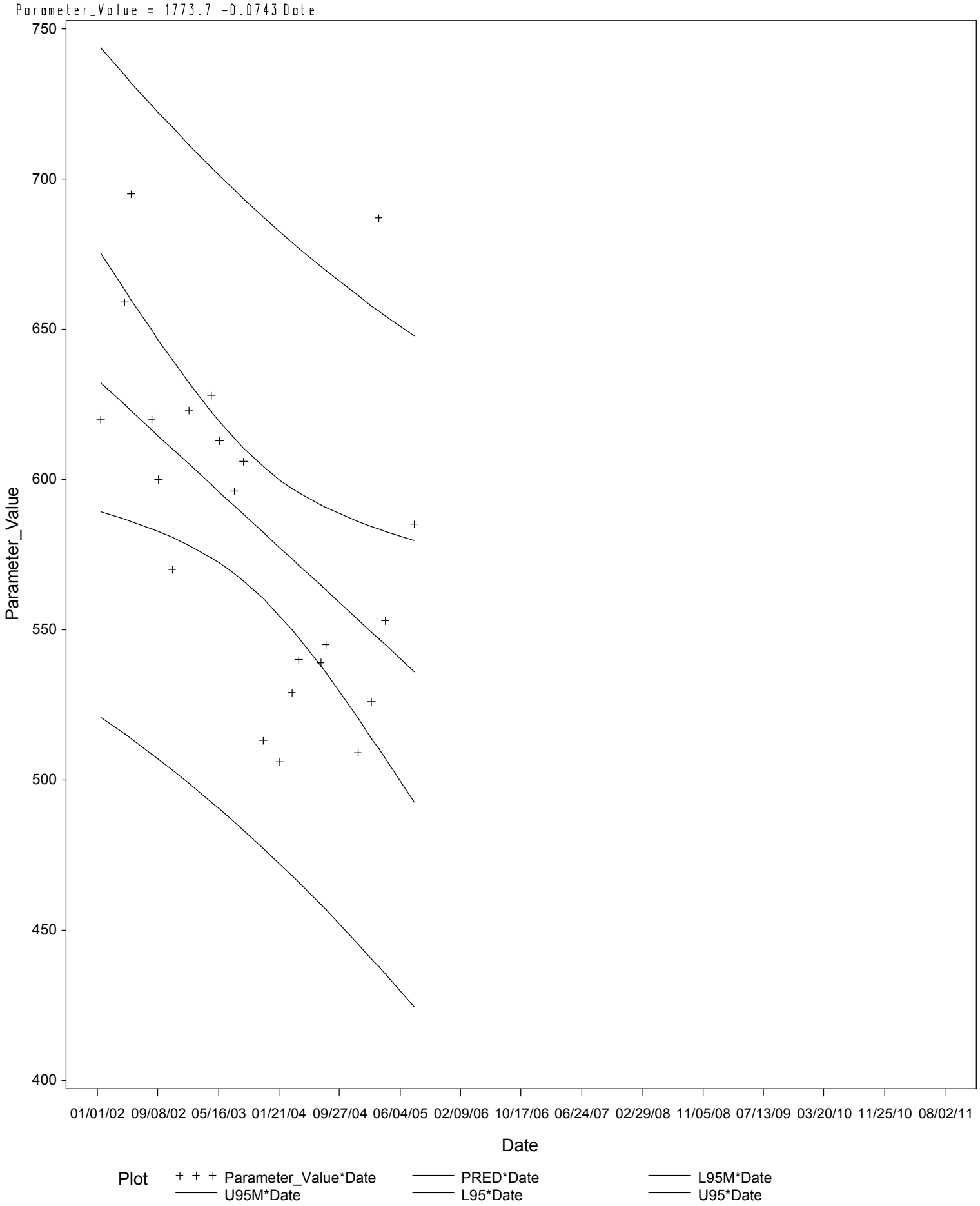
Rio Grande Below Amistad Reservoir
Parameter=TDS (MG/L) Station=13202



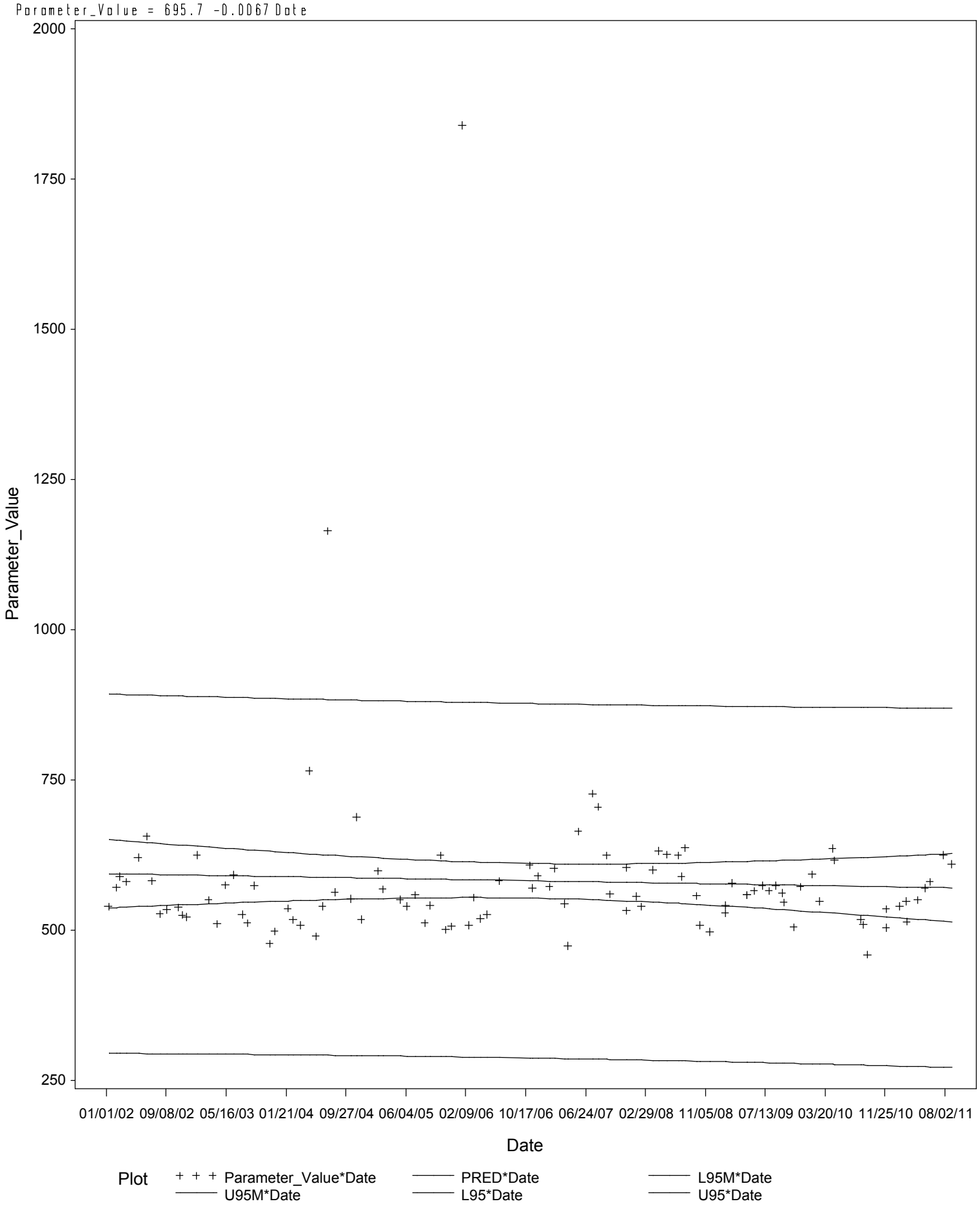
Rio Grande Below Amistad Reservoir
Parameter=TDS (MG/L) Station=13208



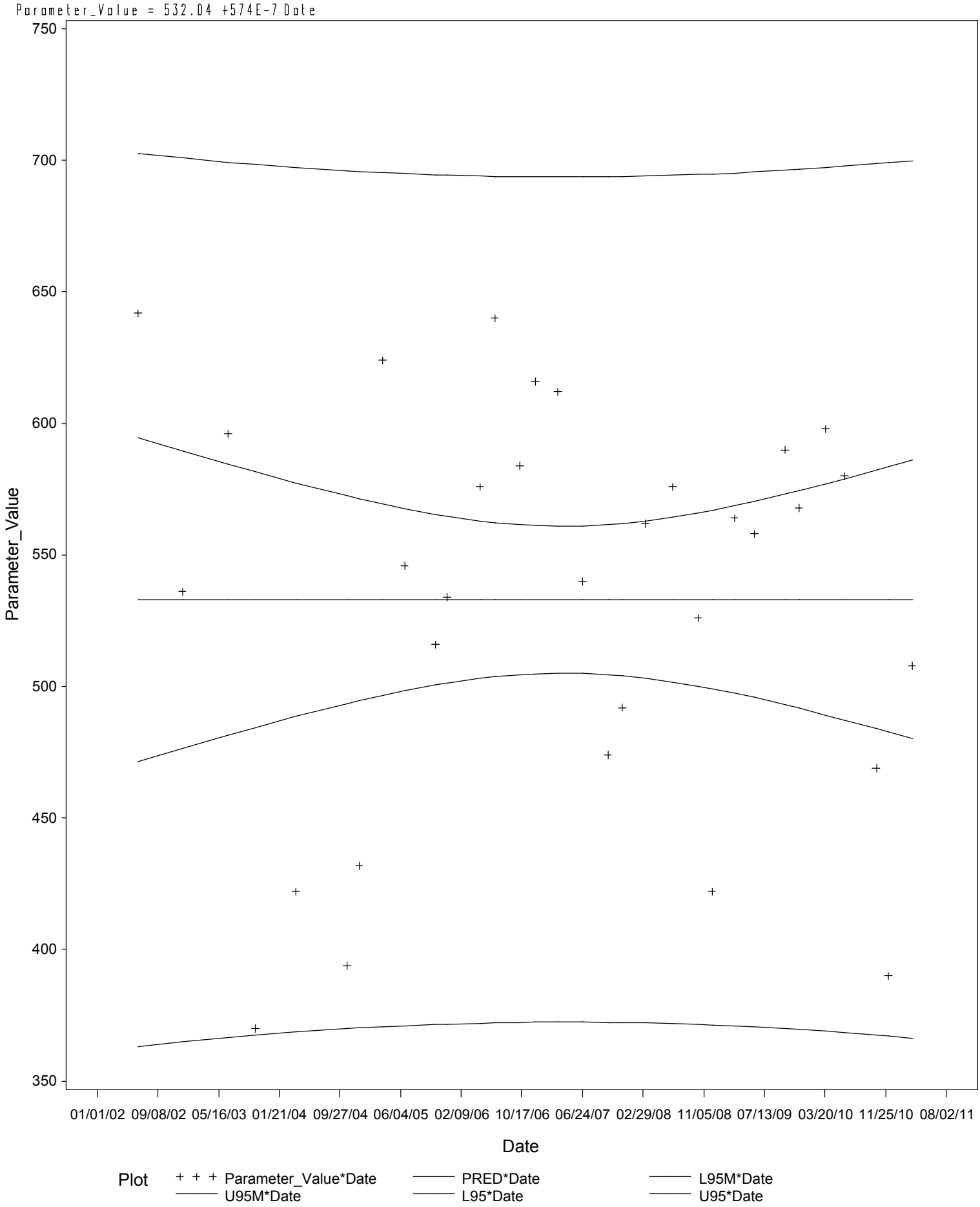
Rio Grande Below Amistad Reservoir
Parameter=TDS (MG/L) Station=13209



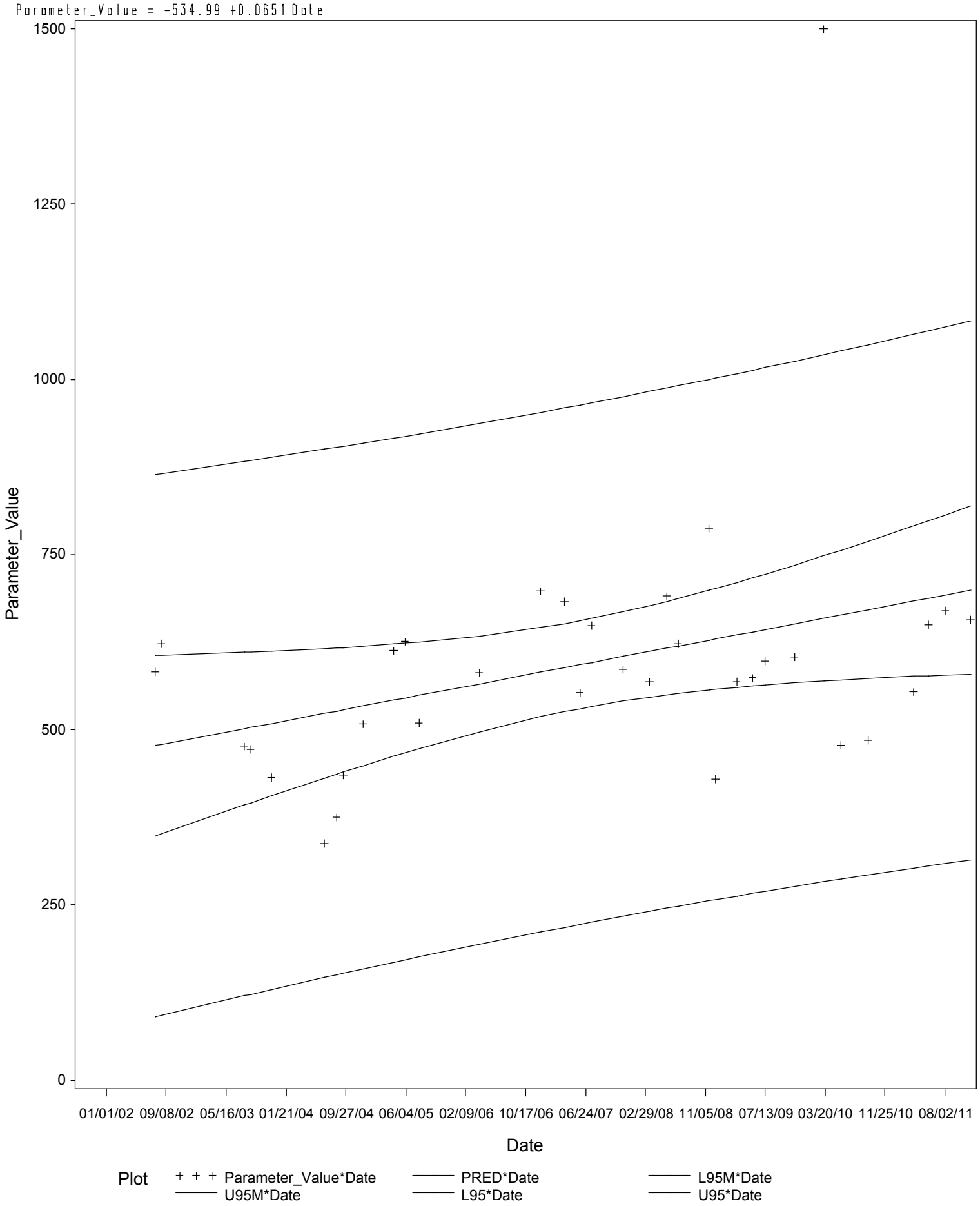
Rio Grande Below Amistad Reservoir
Parameter=TDS (MG/L) Station=13560



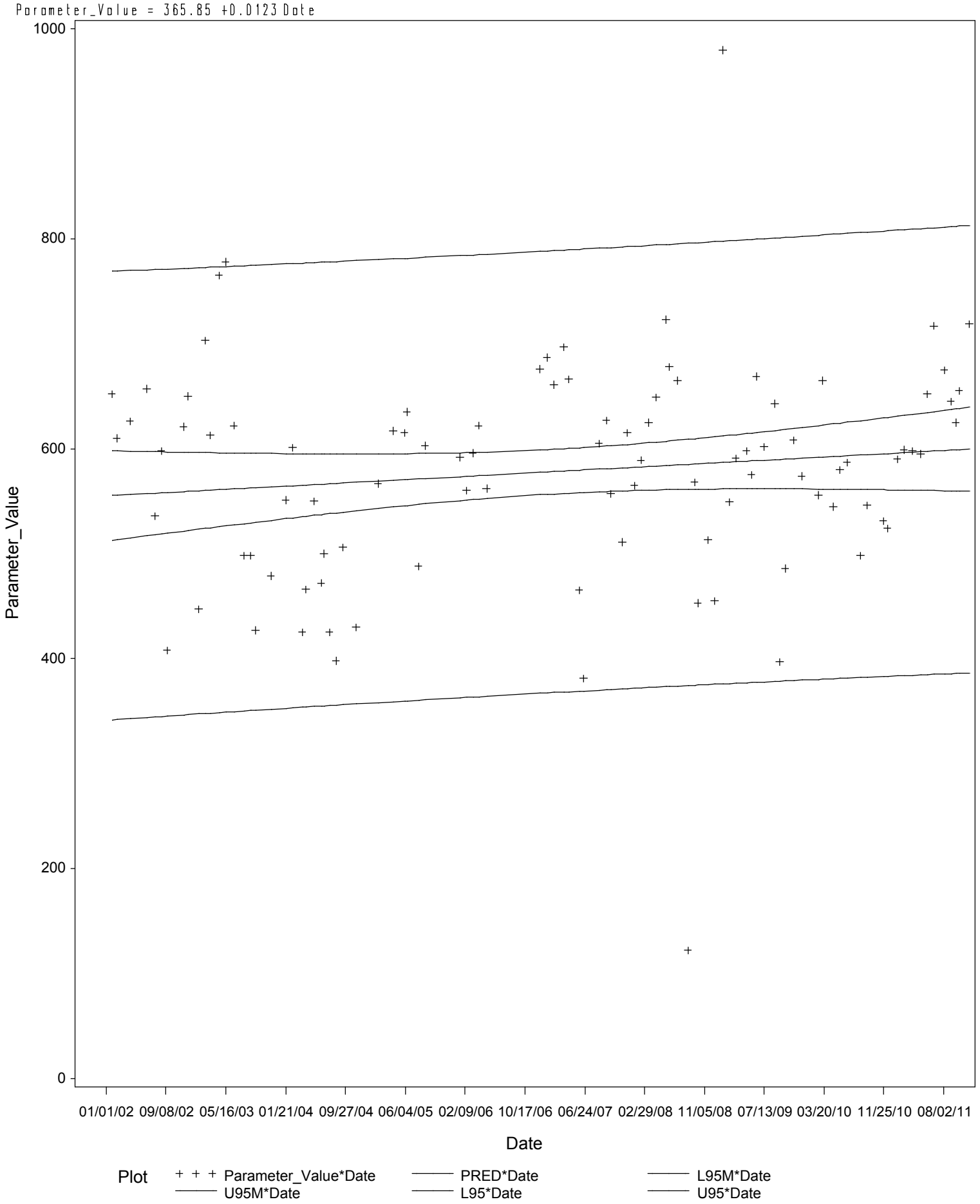
Rio Grande Below Amistad Reservoir
Parameter=TDS (MG/L) Station=15274



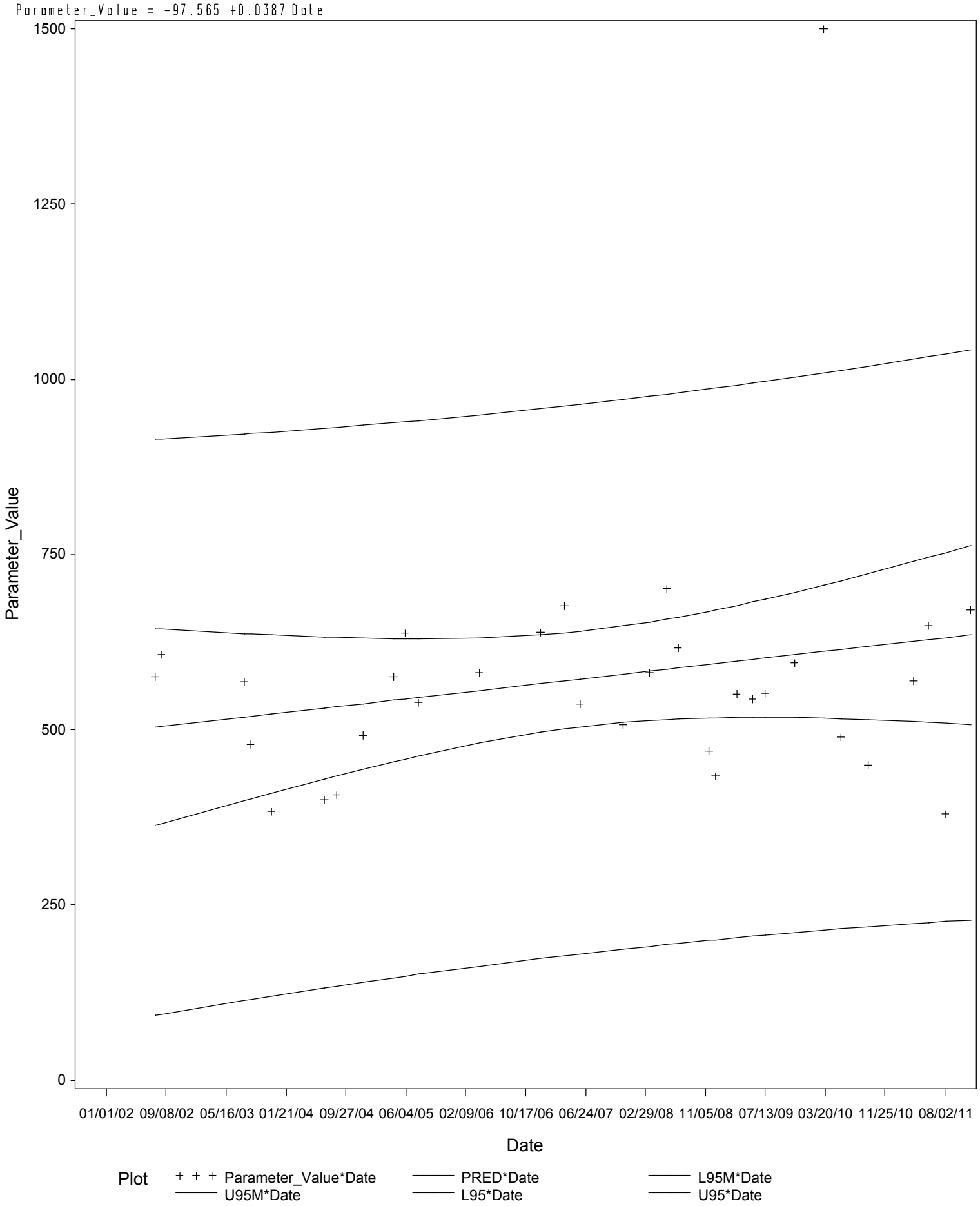
Rio Grande Below Amistad Reservoir
Parameter=TDS (MG/L) Station=15814



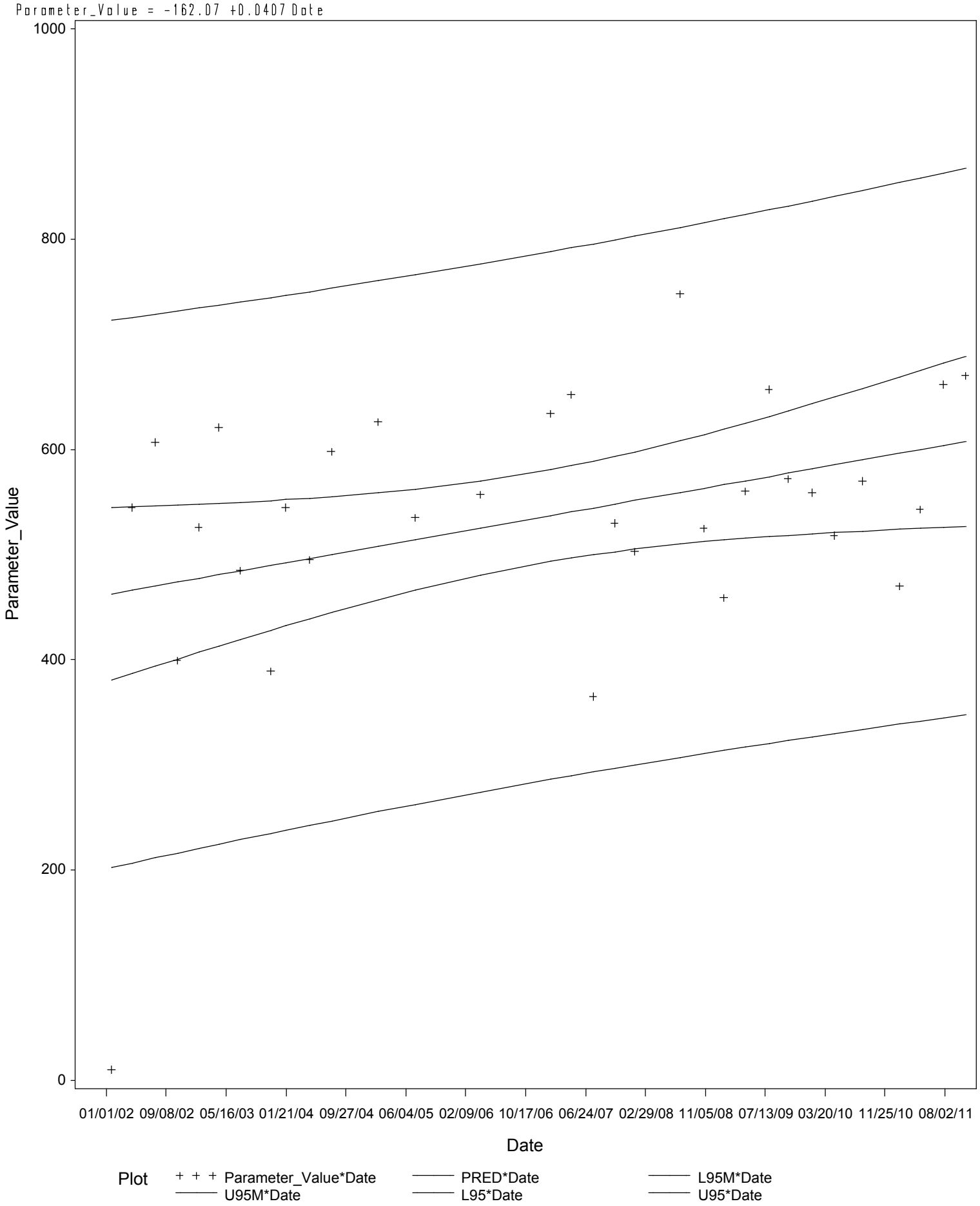
Rio Grande Below Amistad Reservoir
Parameter=TDS (MG/L) Station=15817



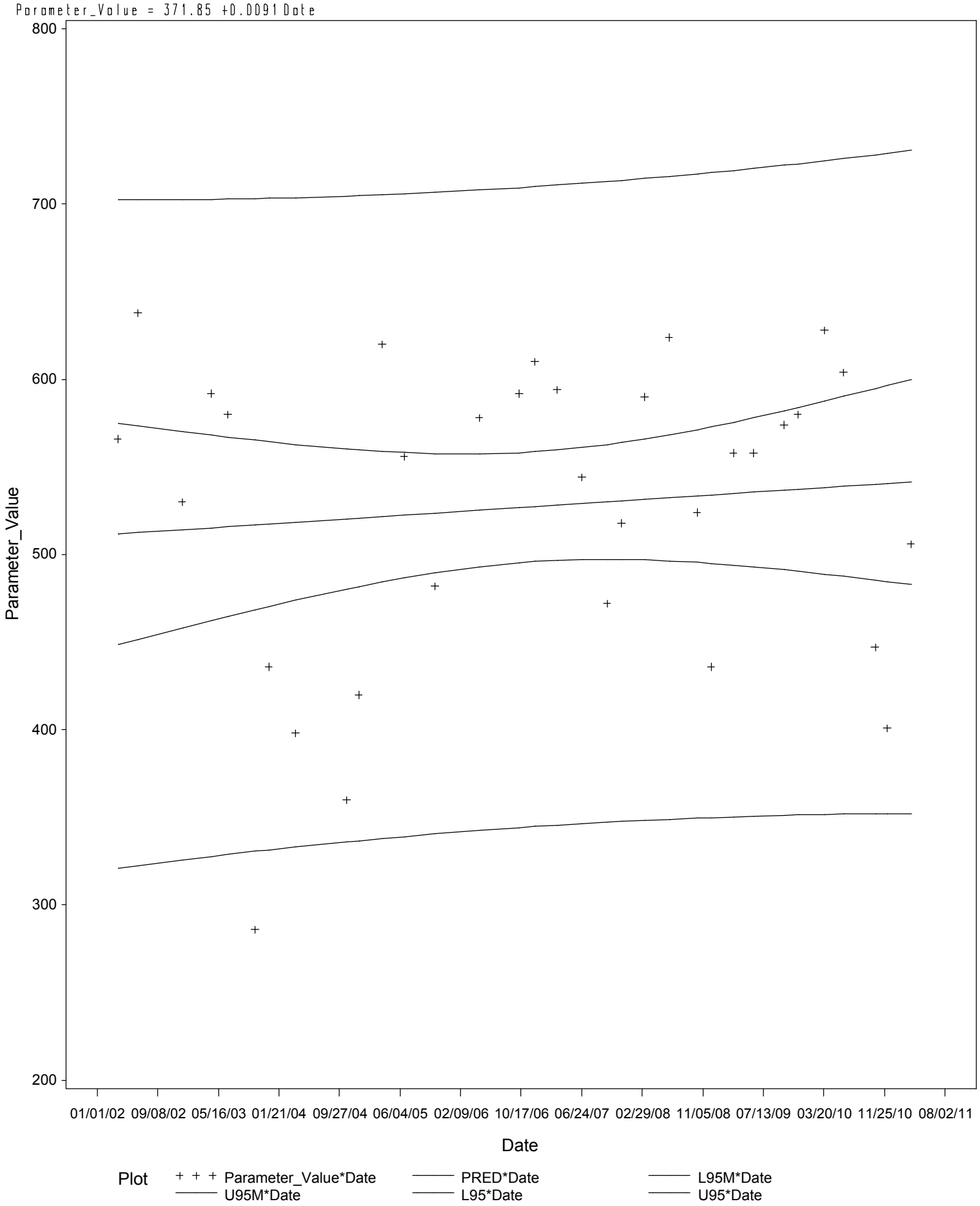
Rio Grande Below Amistad Reservoir
Parameter=TDS (MG/L) Station=17410



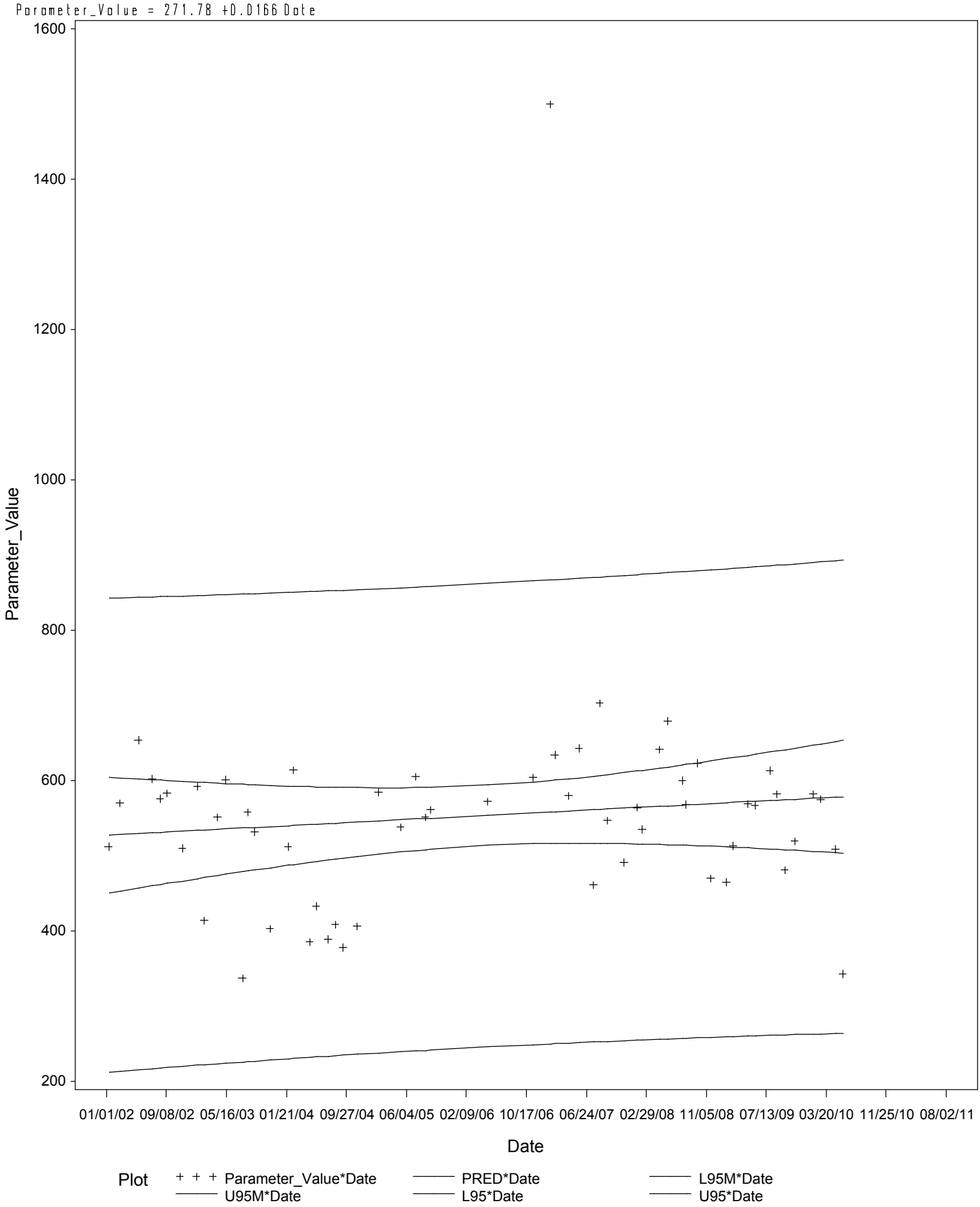
Rio Grande Below Amistad Reservoir
Parameter=TDS (MG/L) Station=17596



Rio Grande Below Amistad Reservoir
Parameter=TDS (MG/L) Station=18792

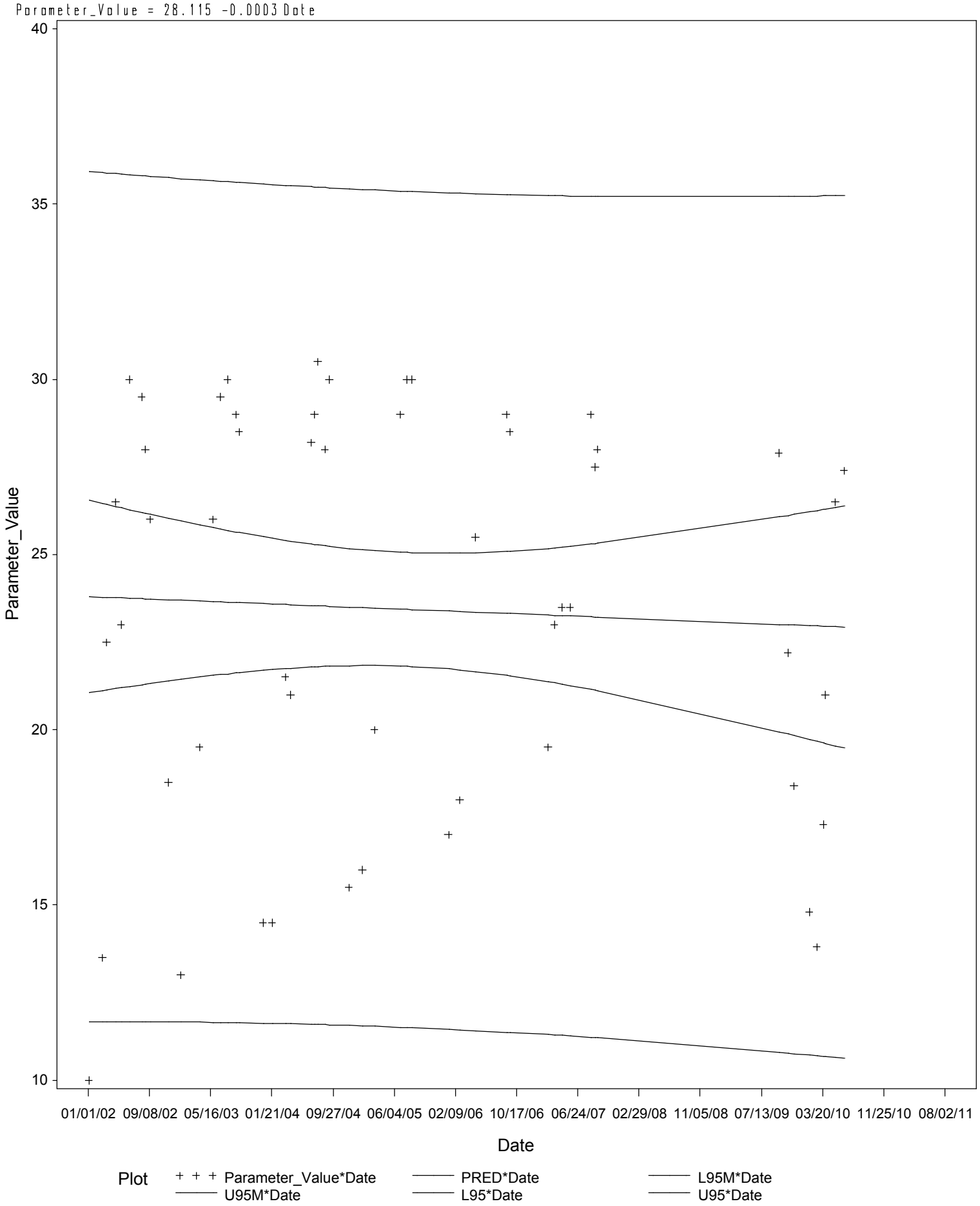


Rio Grande Below Amistad Reservoir
Parameter=TDS (MG/L) Station=18795



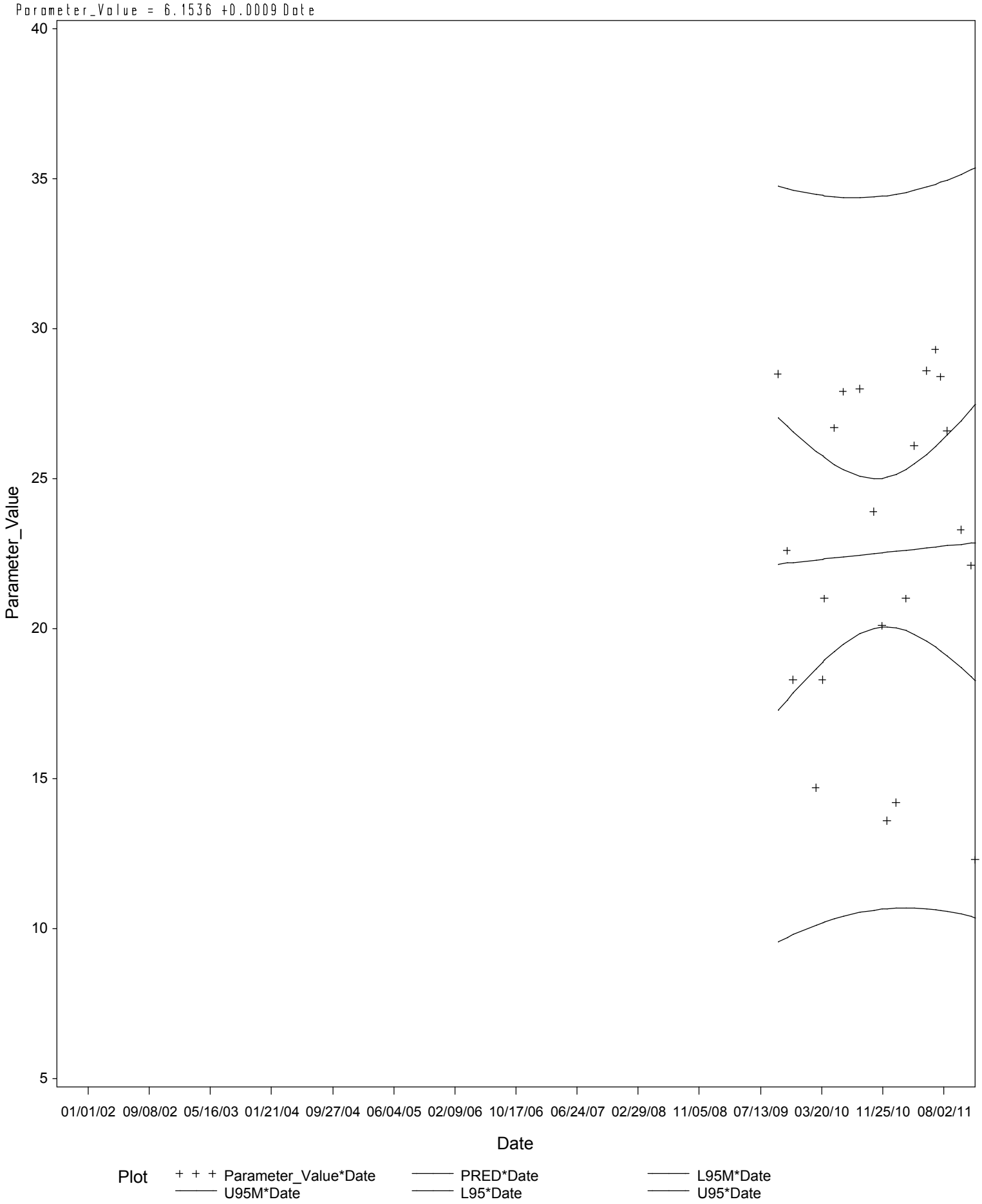
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13196



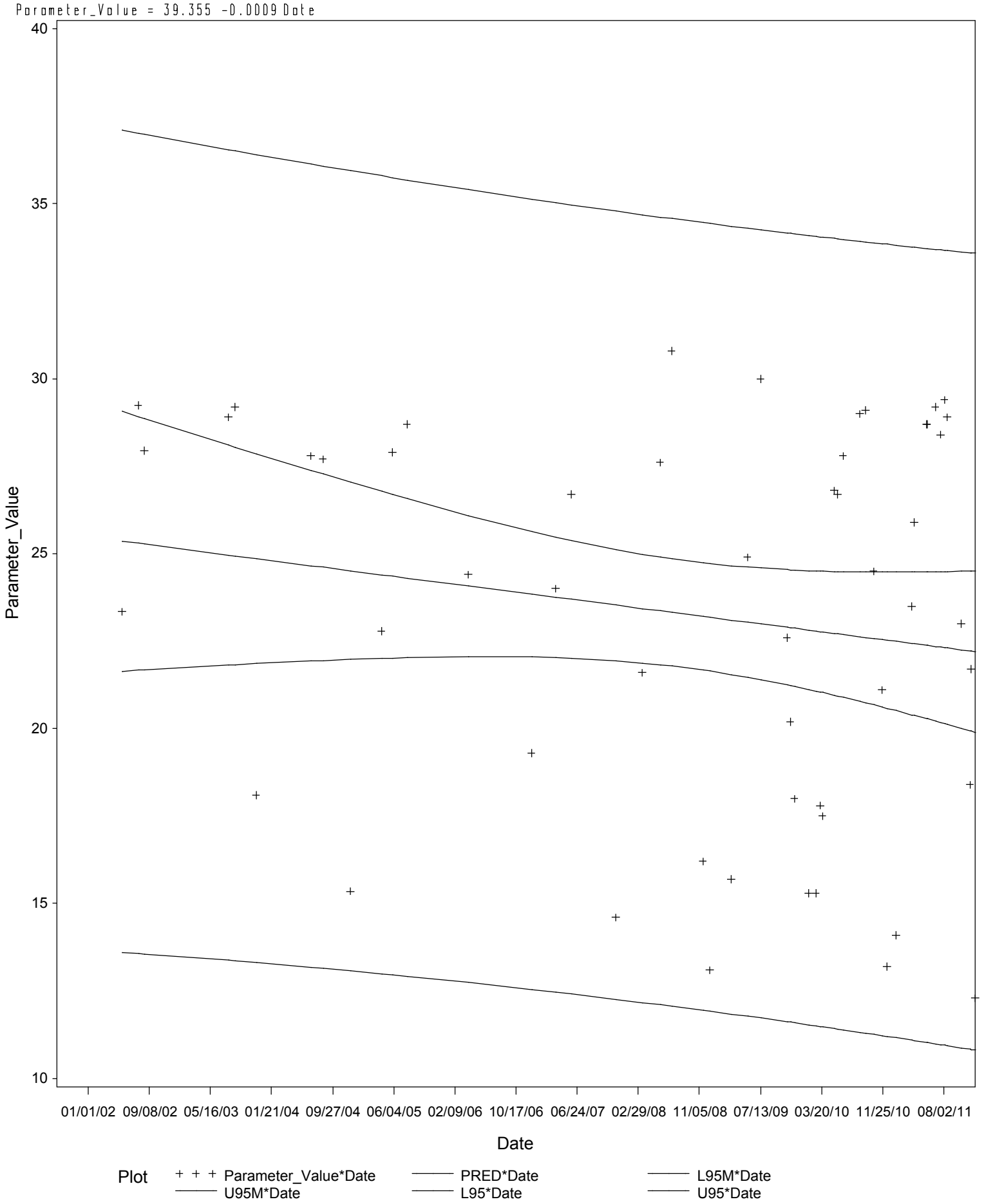
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13200



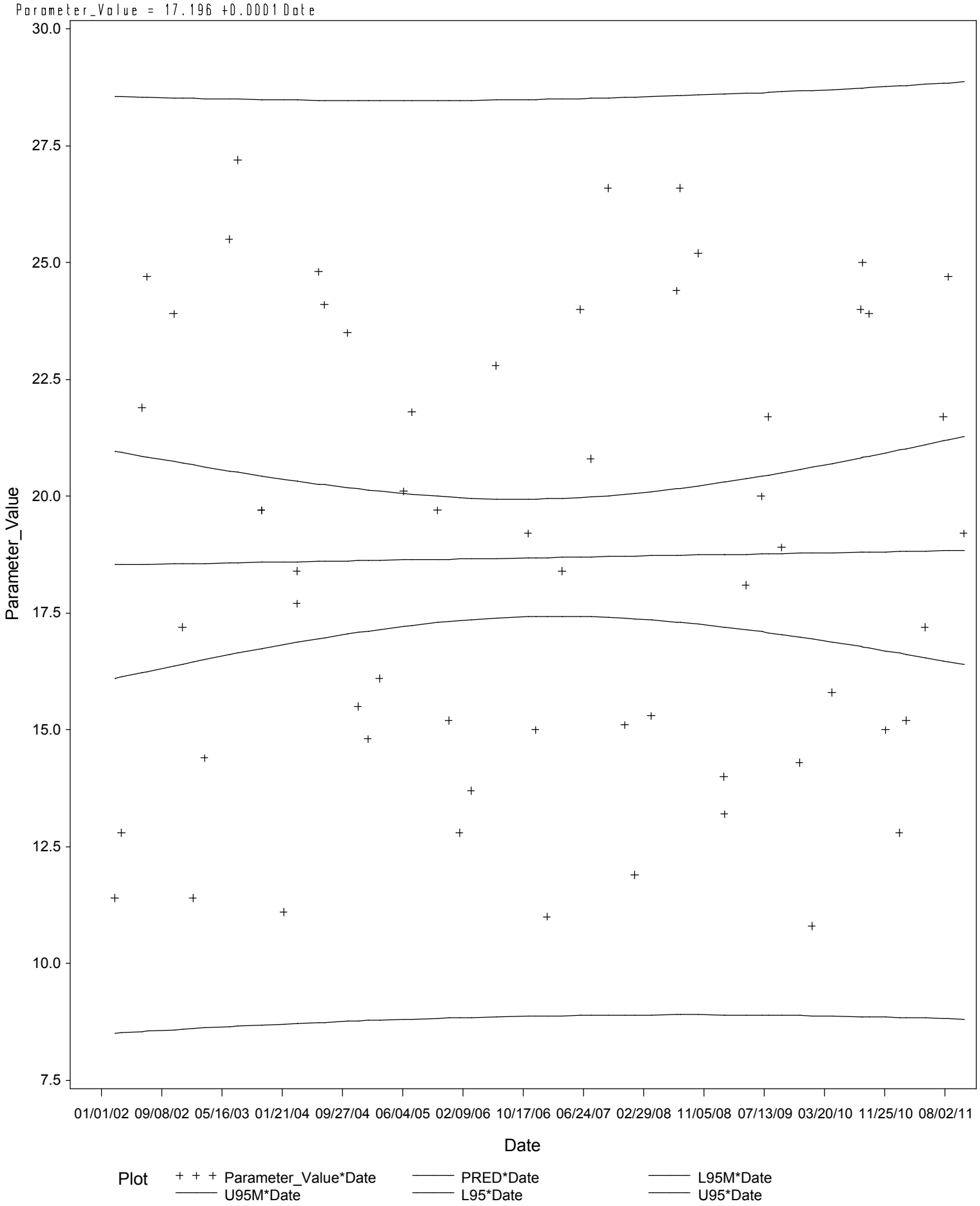
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13202



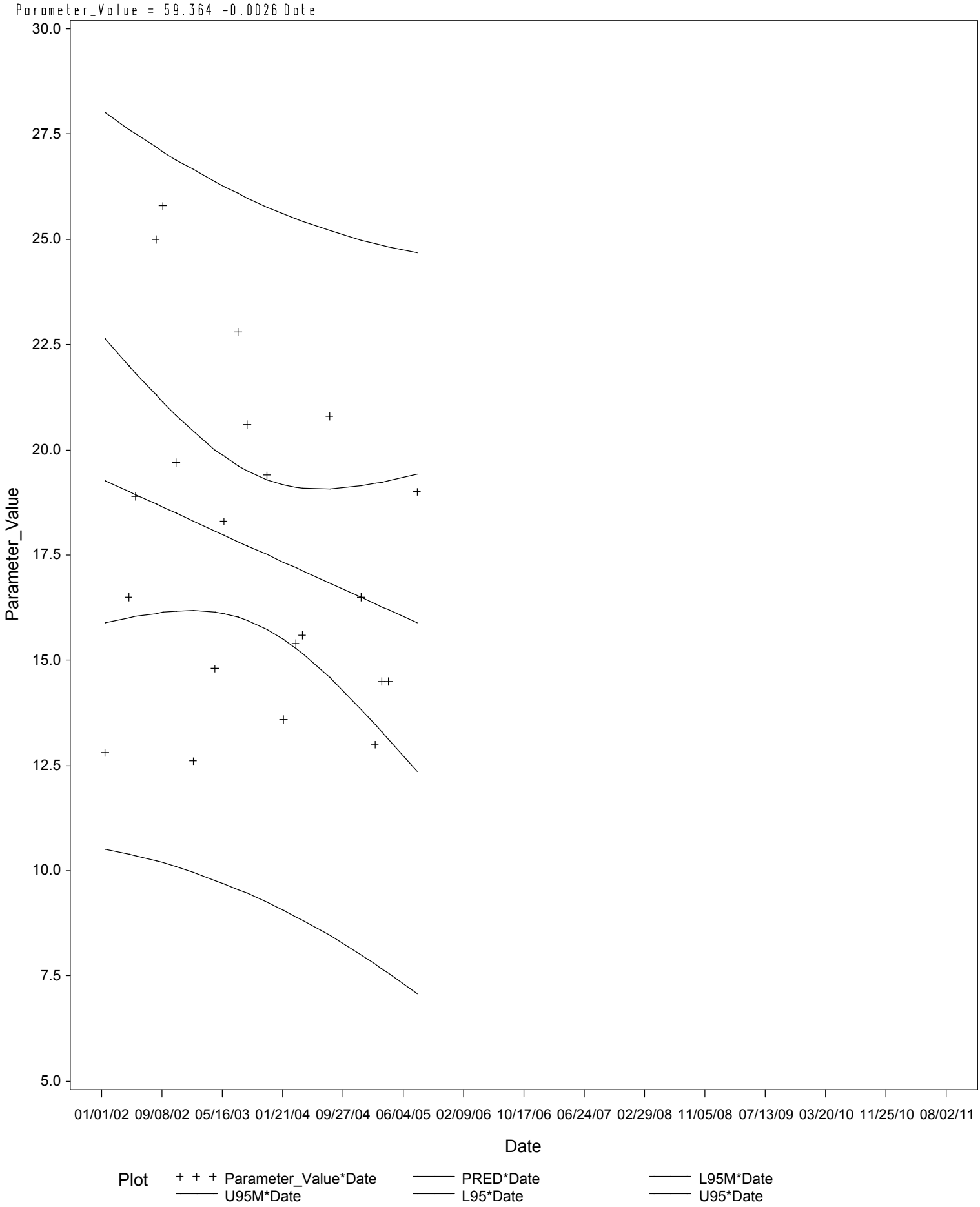
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13208



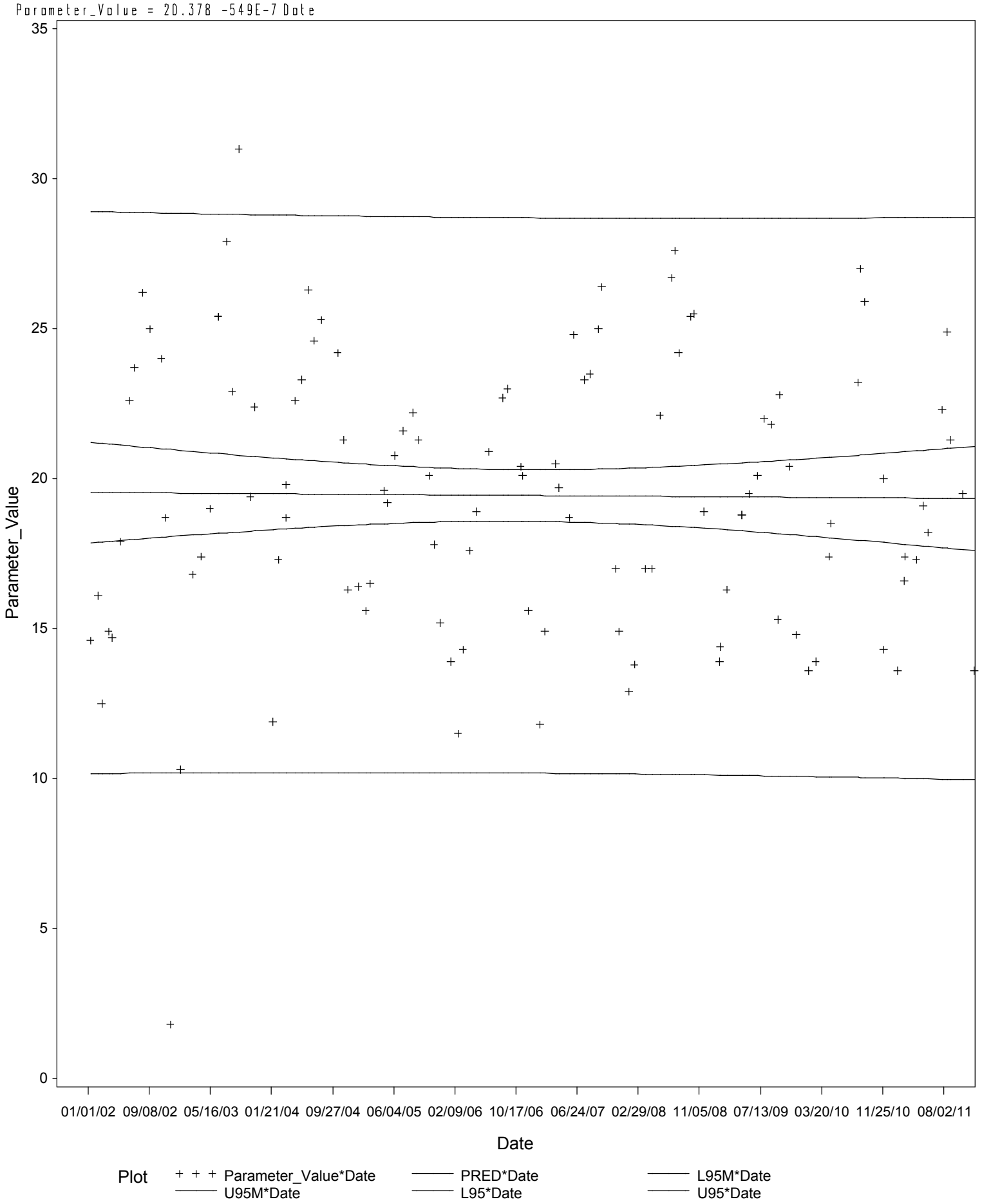
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13209



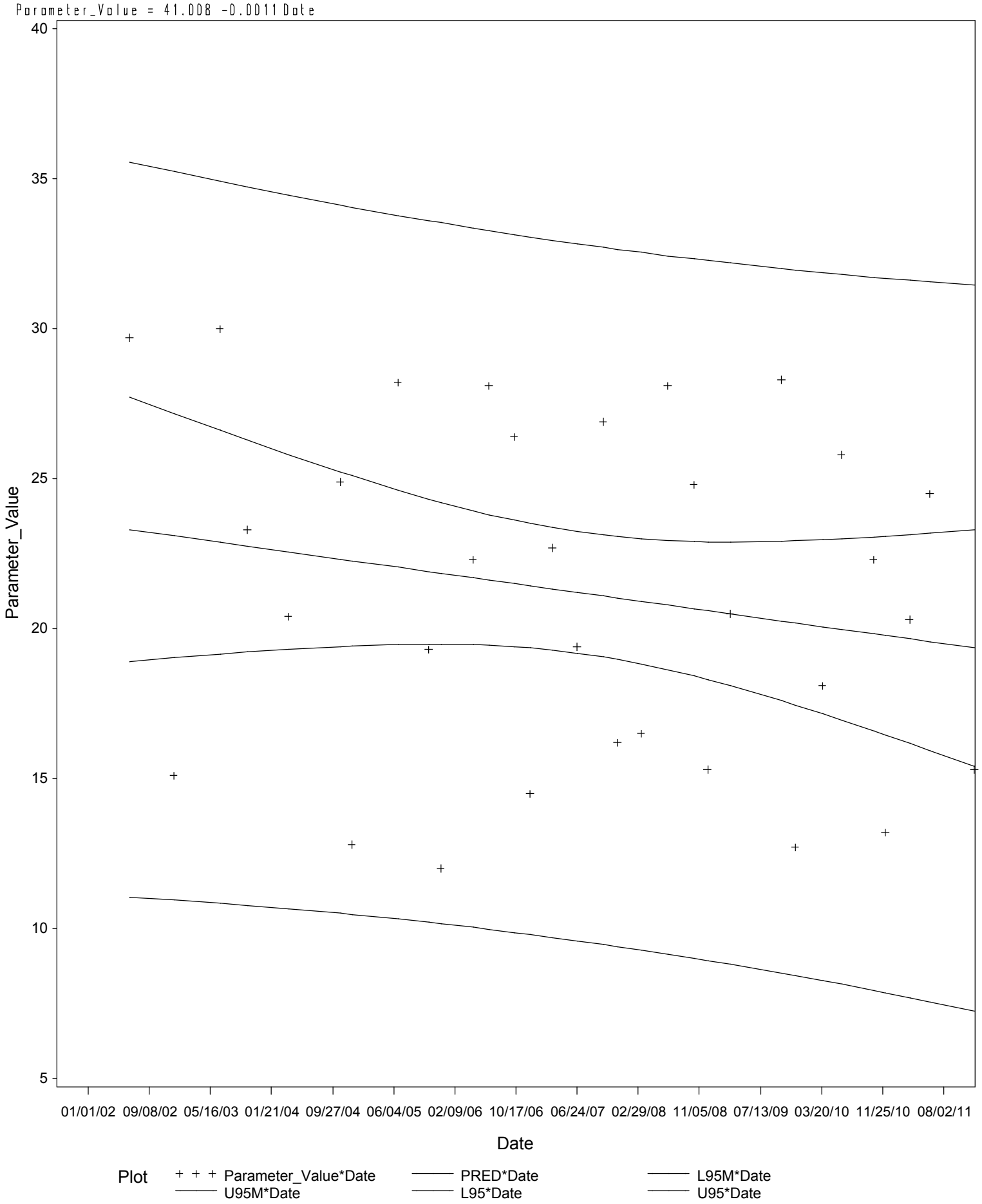
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13560



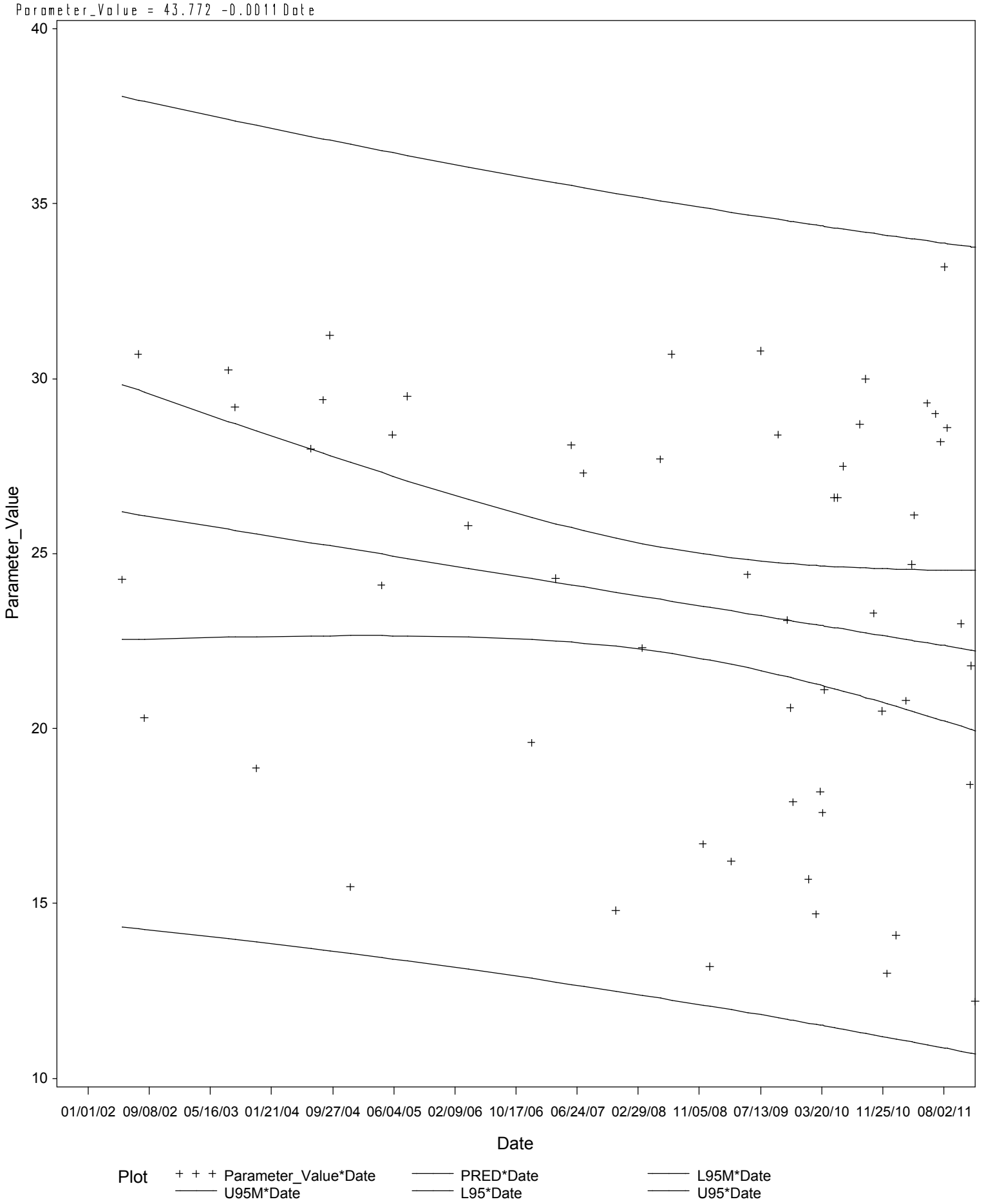
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15274



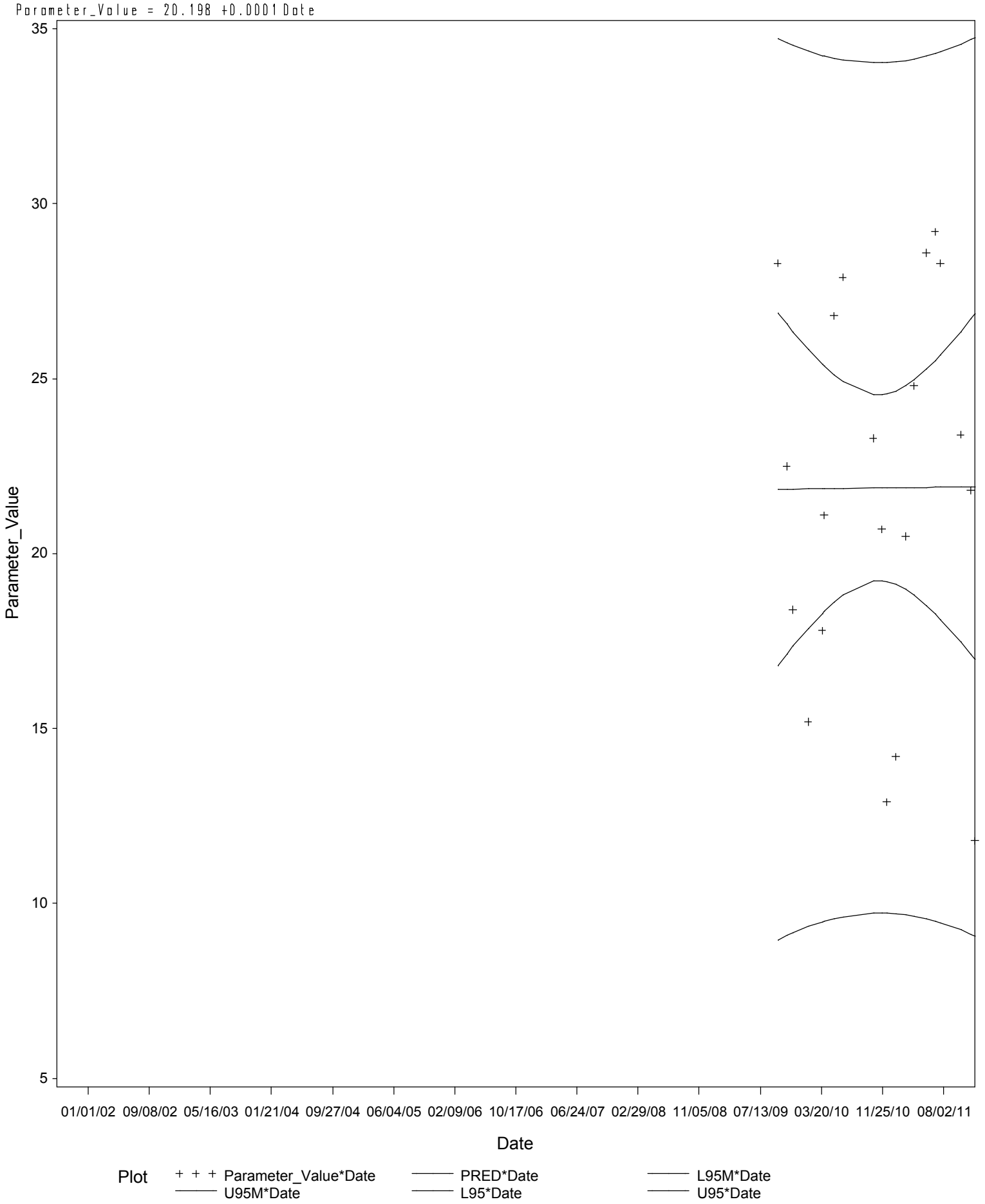
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15814



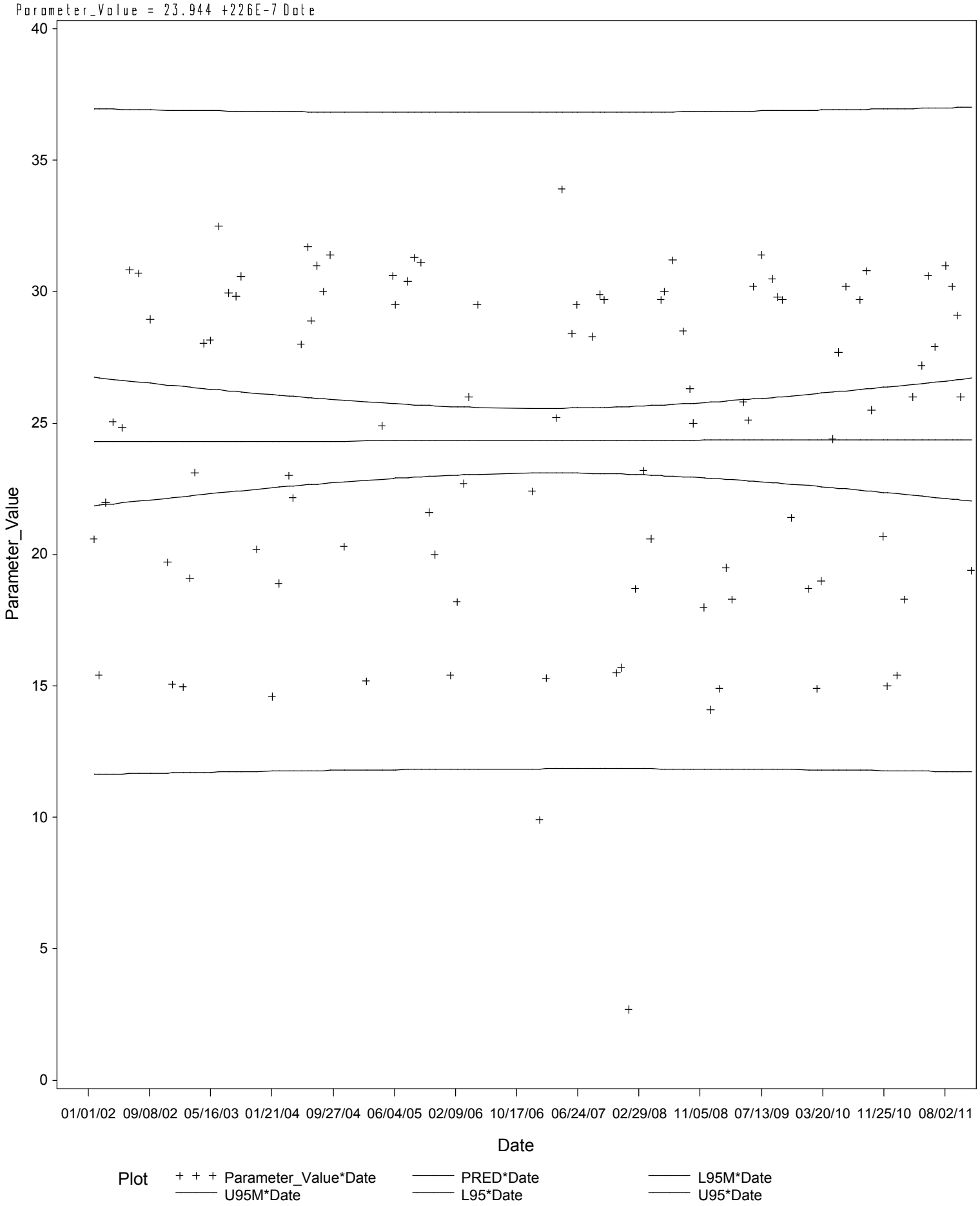
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15815



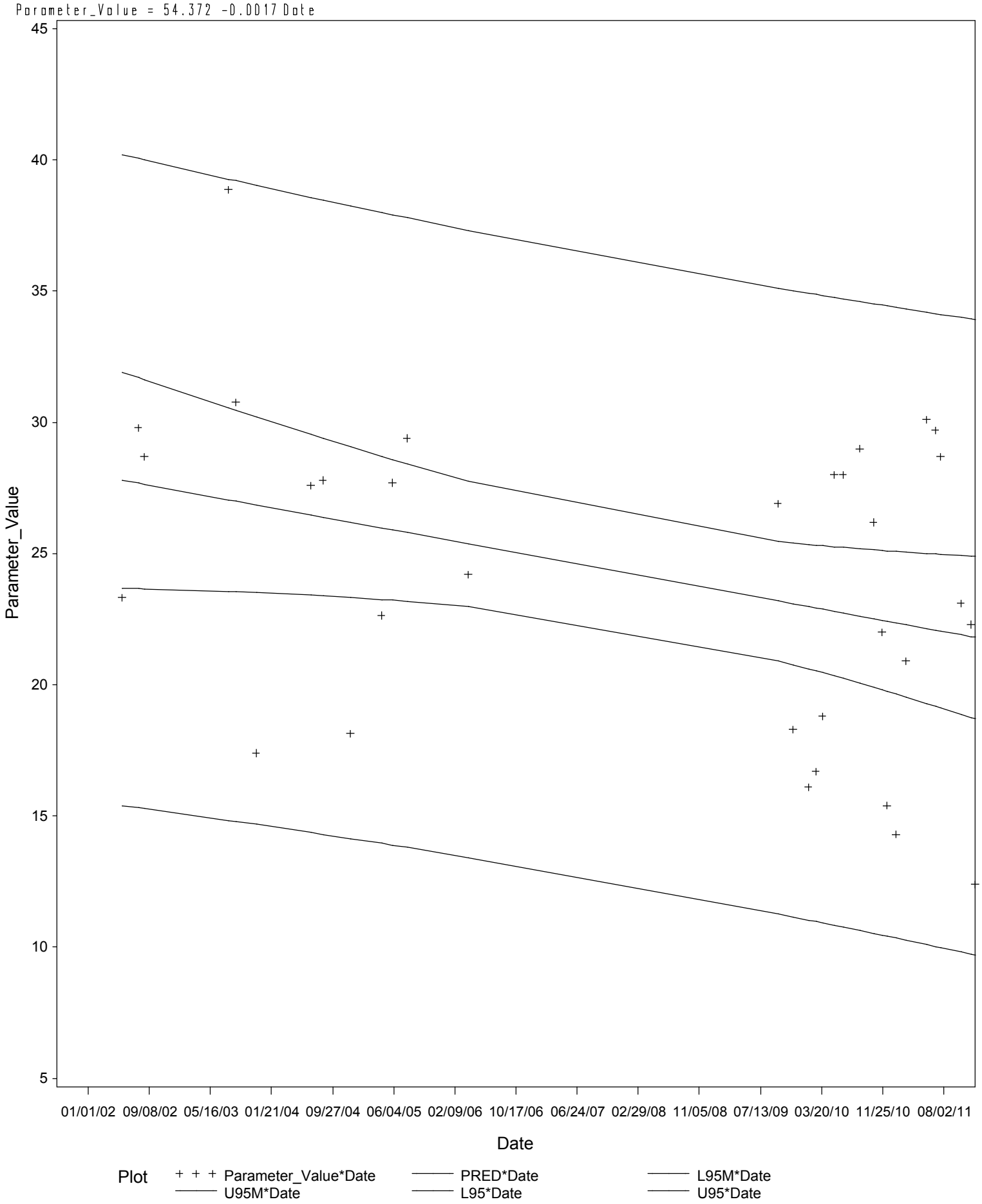
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15817



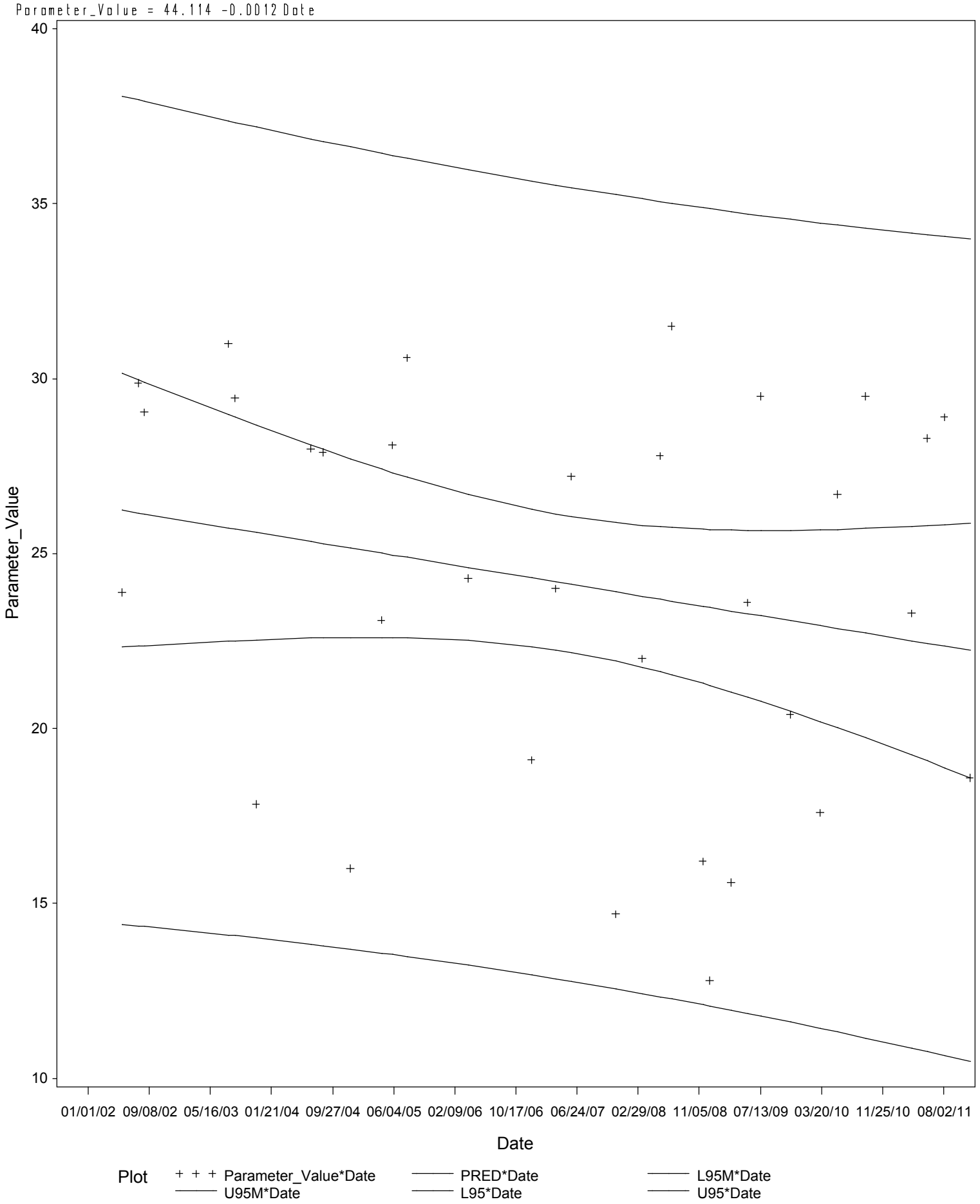
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15839



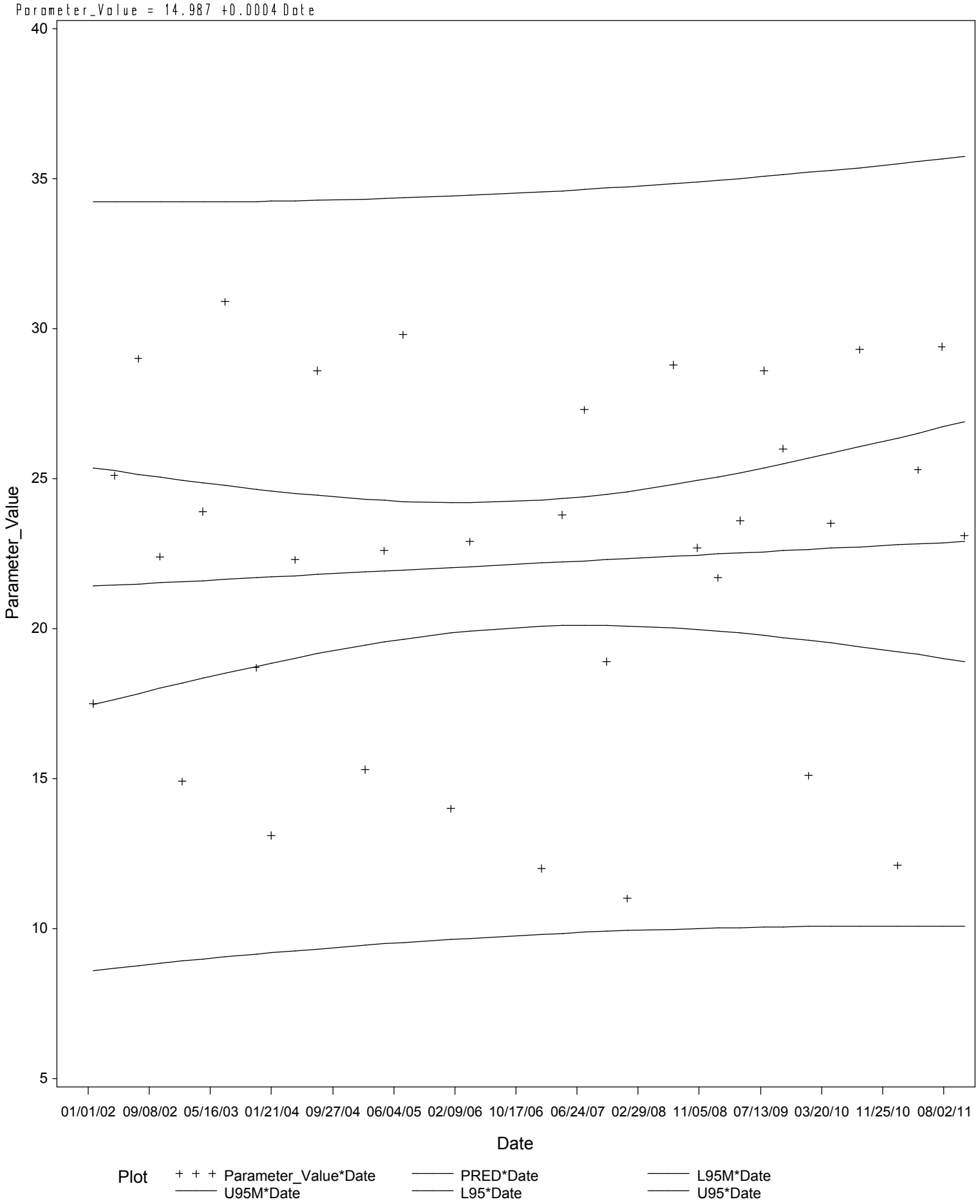
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=17410



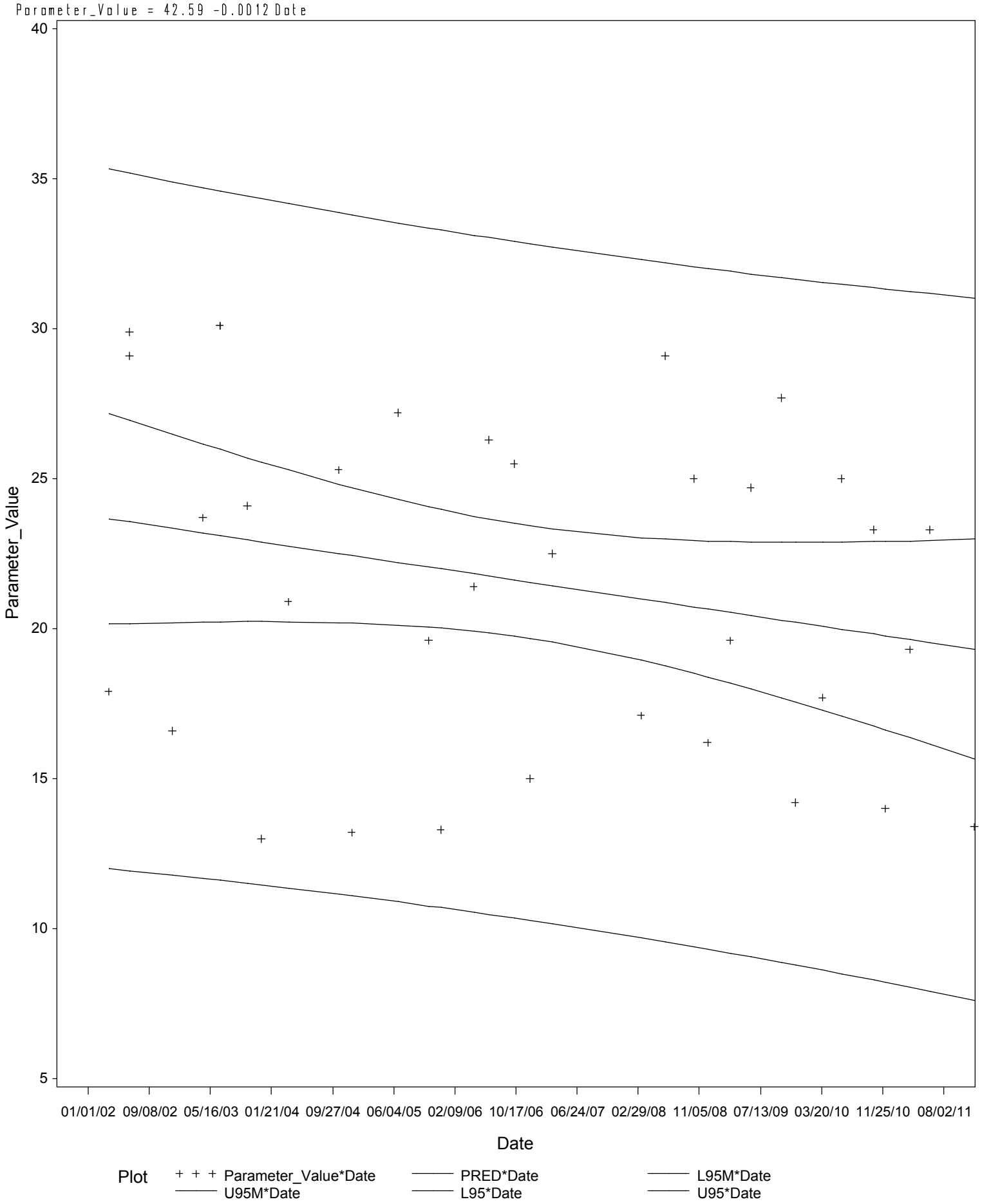
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=17596



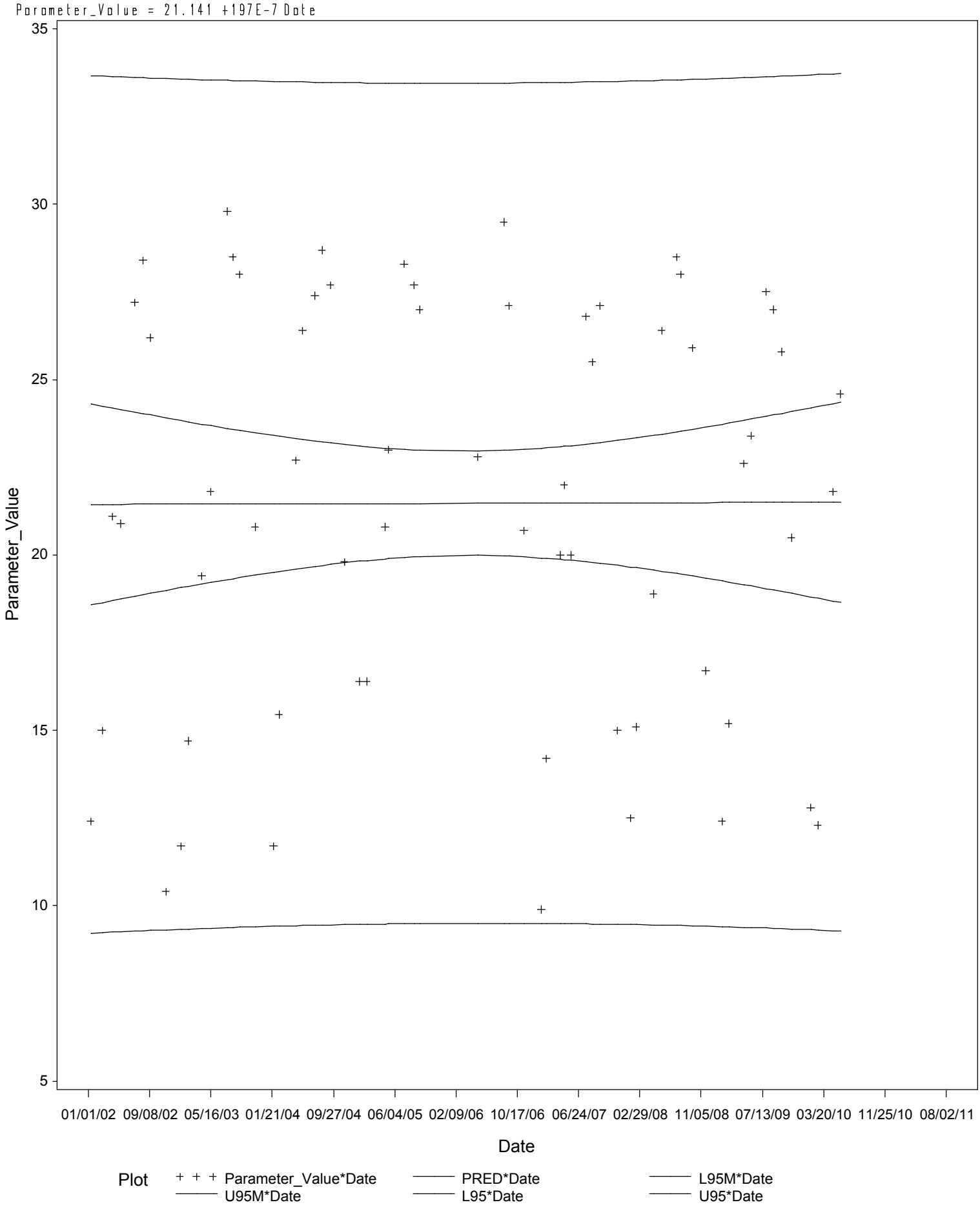
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=18792



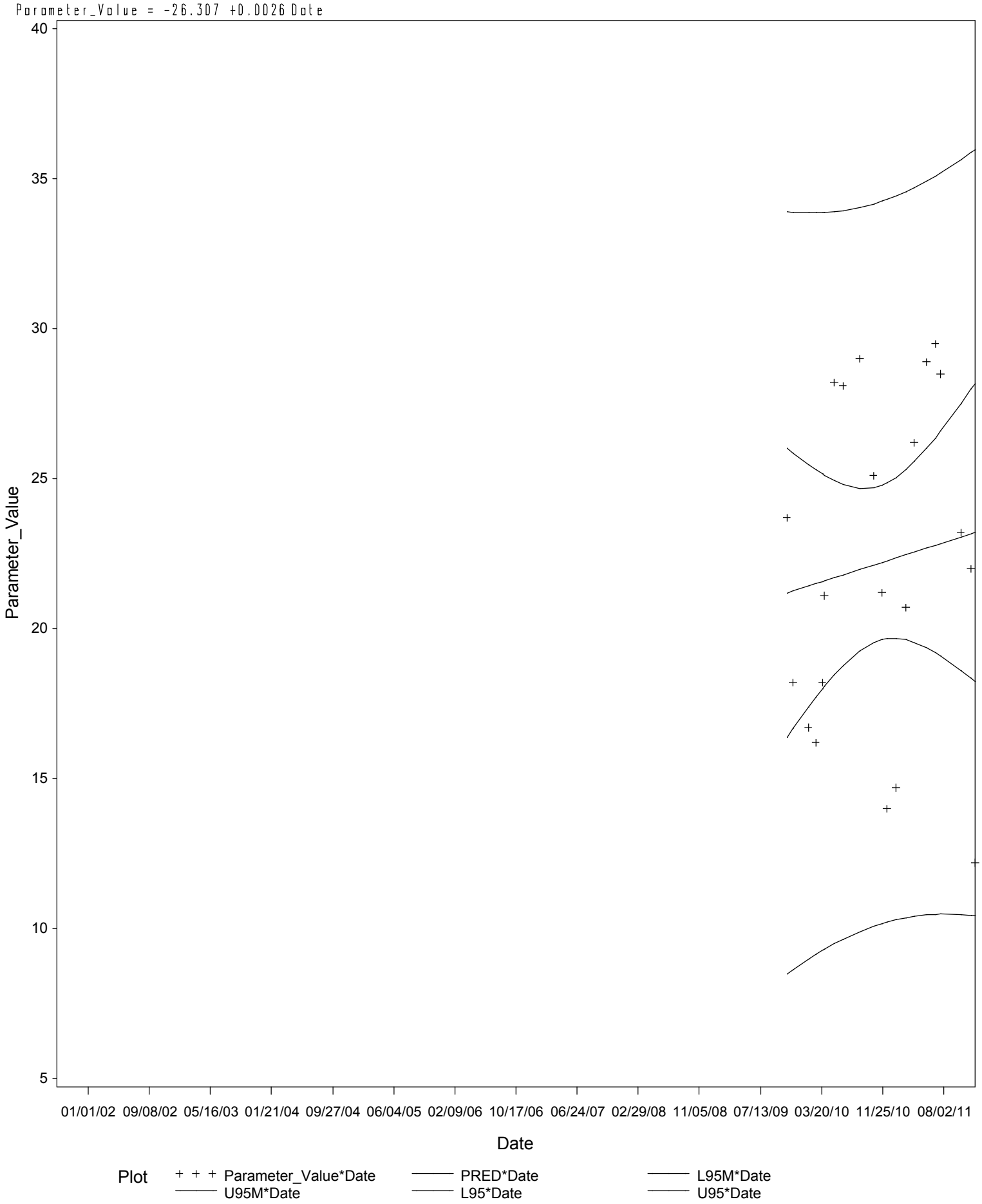
Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=18795

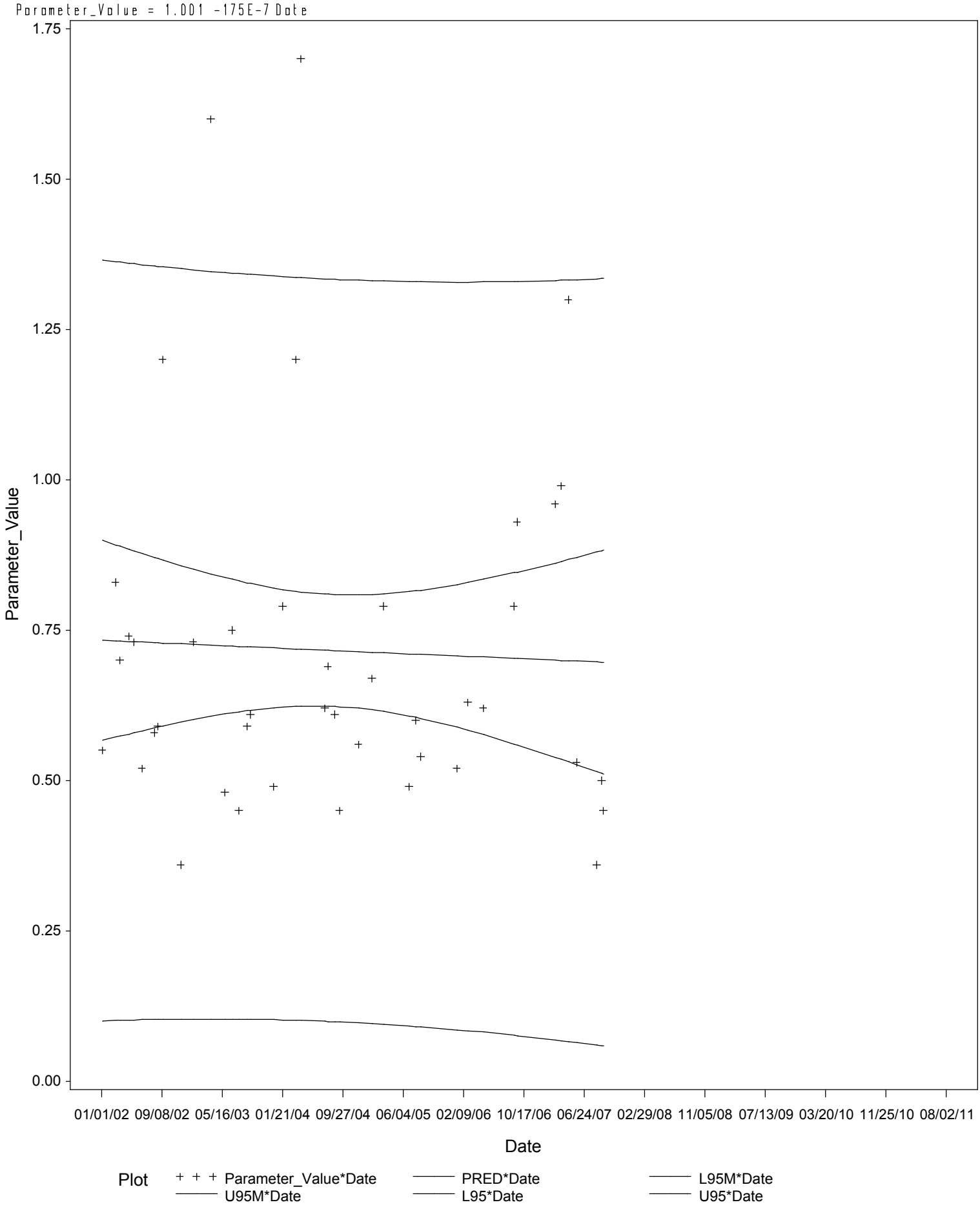


Rio Grande Below Amistad Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=20650

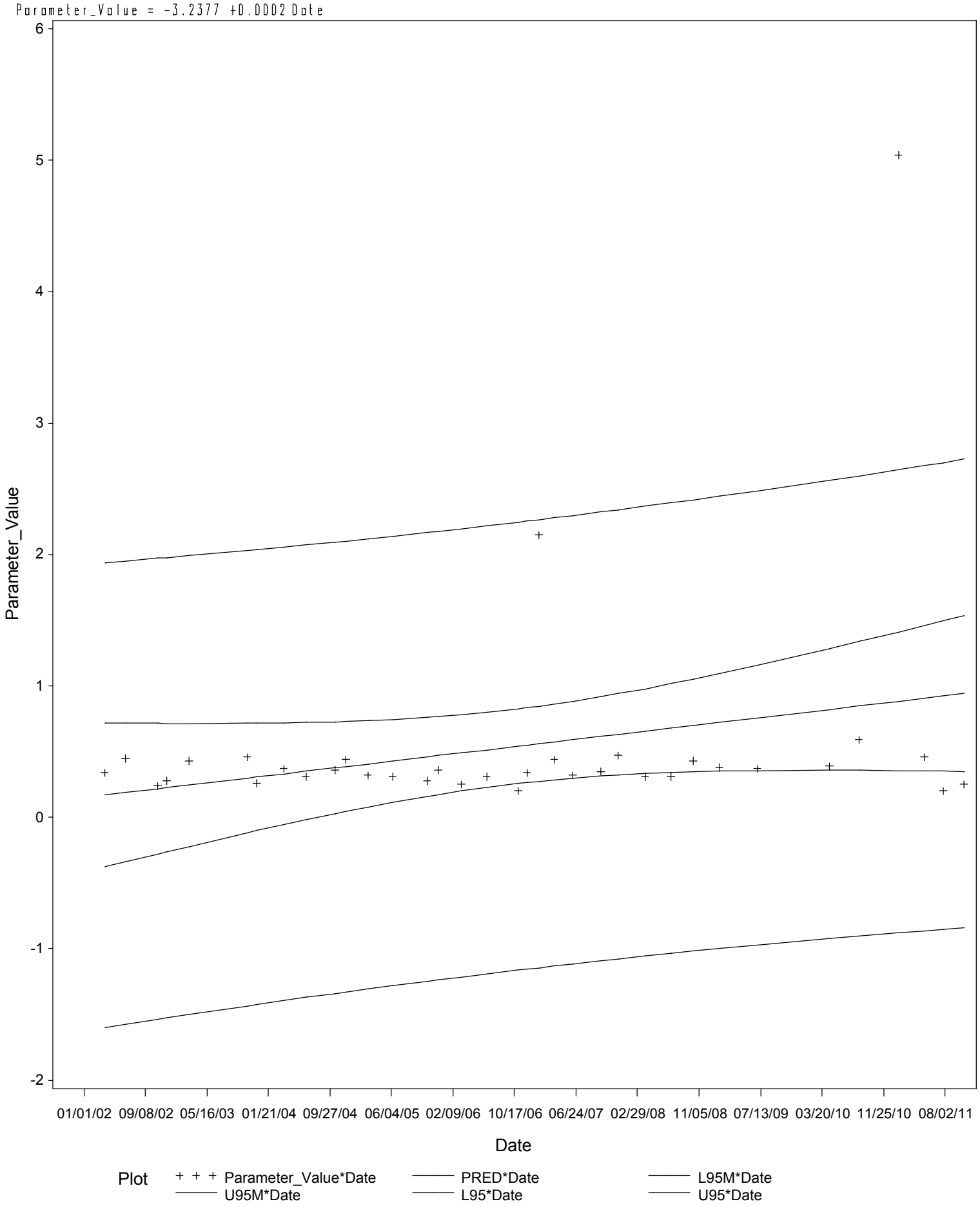


Rio Grande Below Amistad Reservoir
Parameter=TKN (MG/L AS N) Station=13196



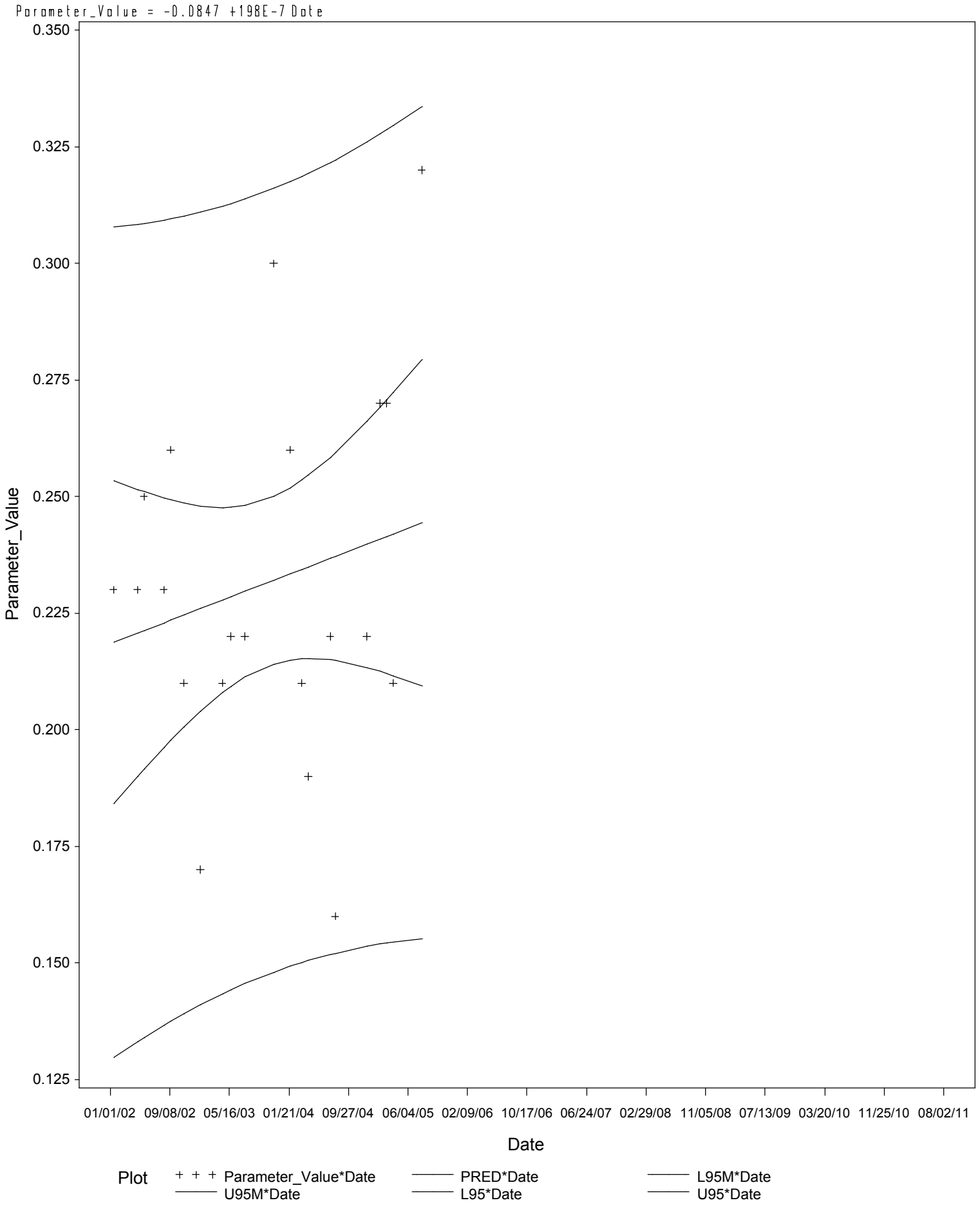
Rio Grande Below Amistad Reservoir

Parameter=TKN (MG/L AS N) Station=13208



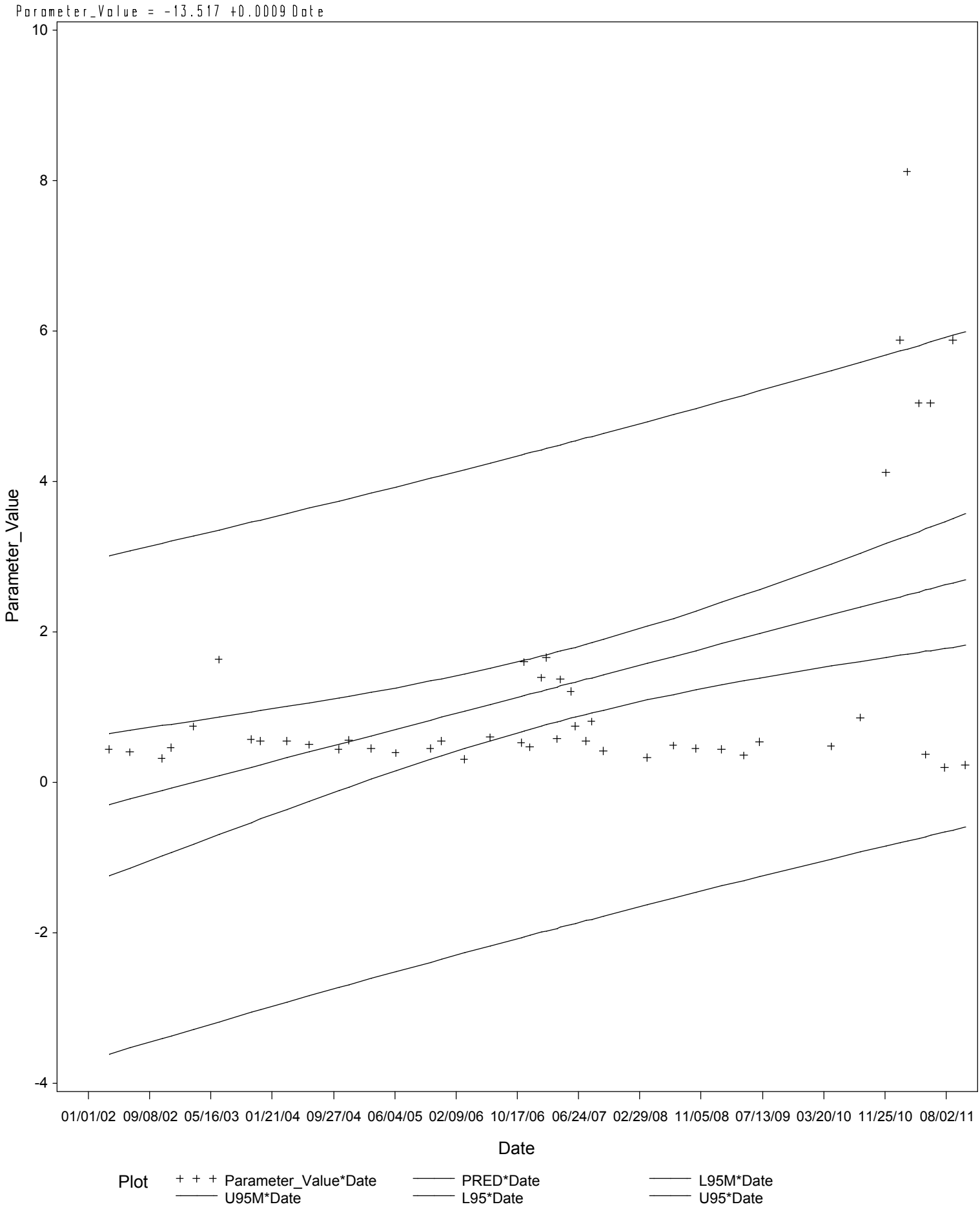
Rio Grande Below Amistad Reservoir

Parameter=TKN (MG/L AS N) Station=13209



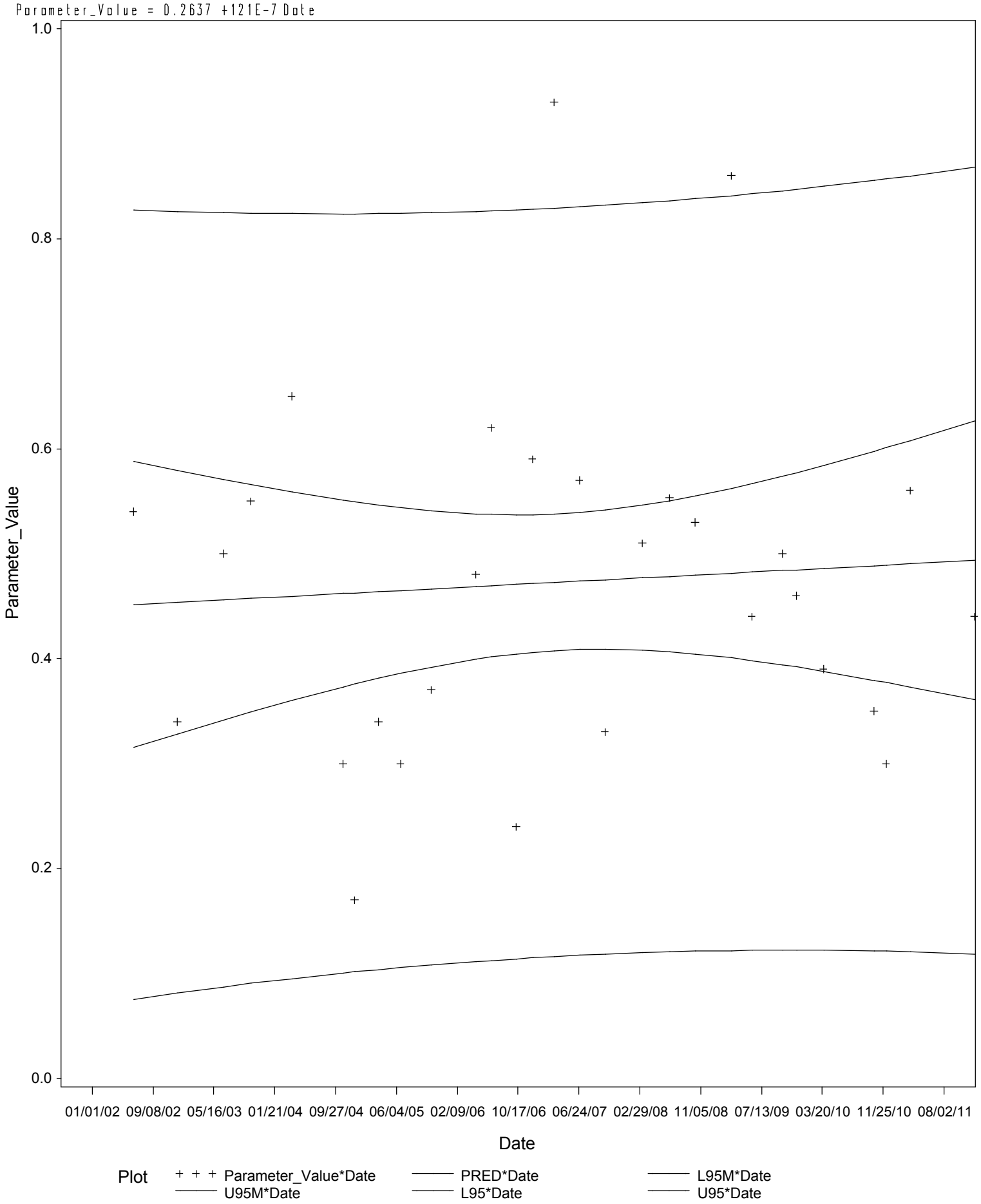
Rio Grande Below Amistad Reservoir

Parameter=TKN (MG/L AS N) Station=13560

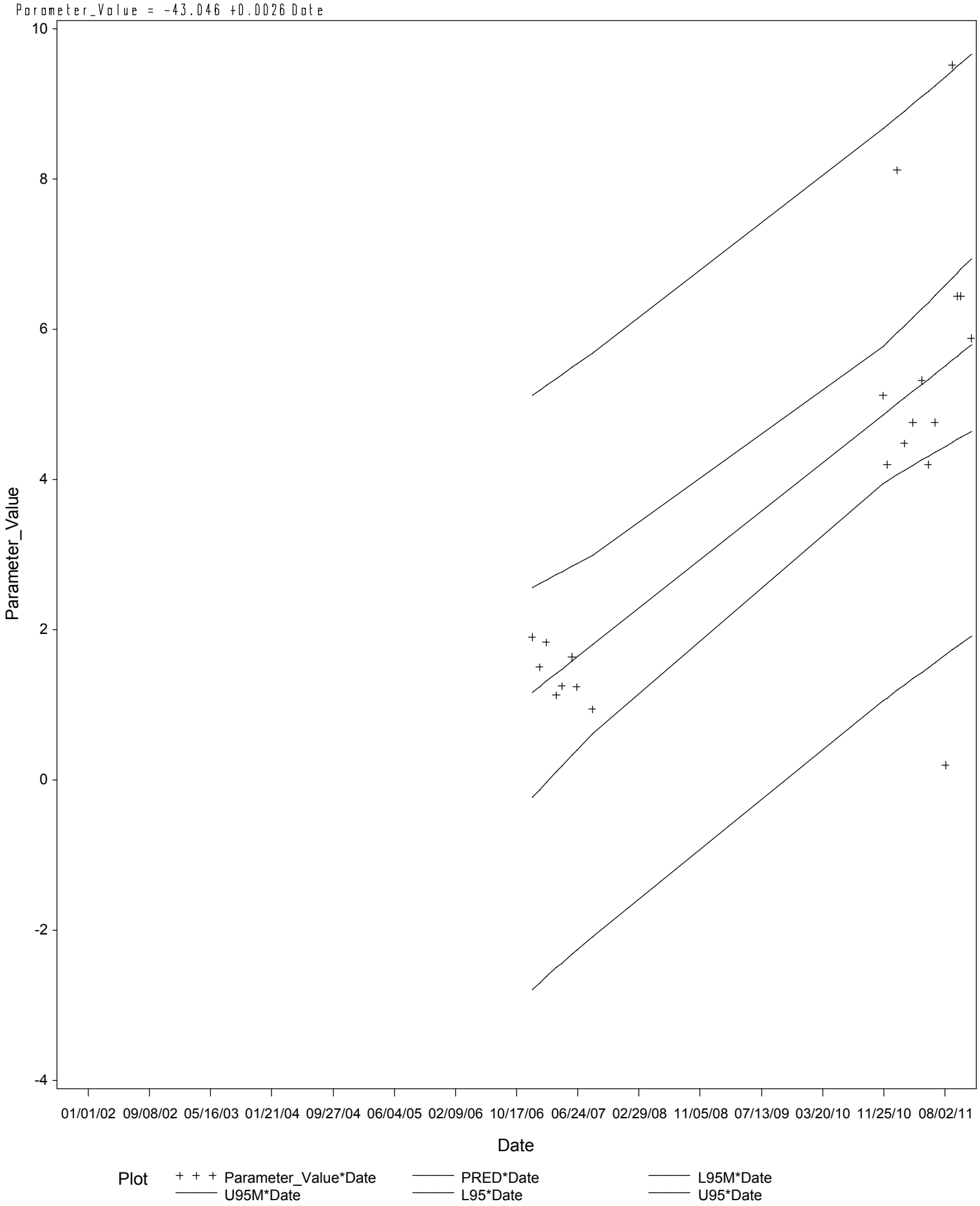


Rio Grande Below Amistad Reservoir

Parameter=TKN (MG/L AS N) Station=15274

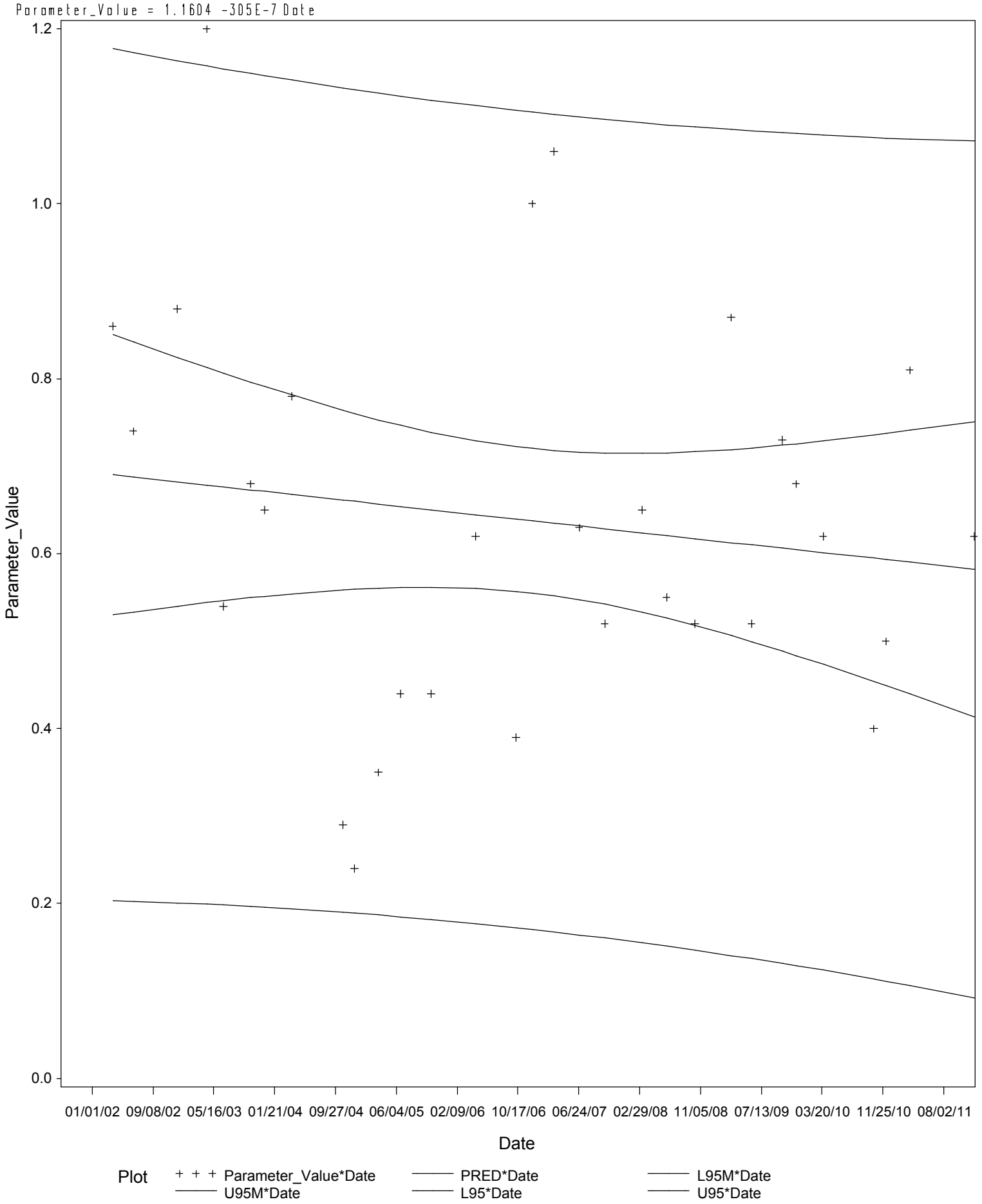


Rio Grande Below Amistad Reservoir
Parameter=TKN (MG/L AS N) Station=15817



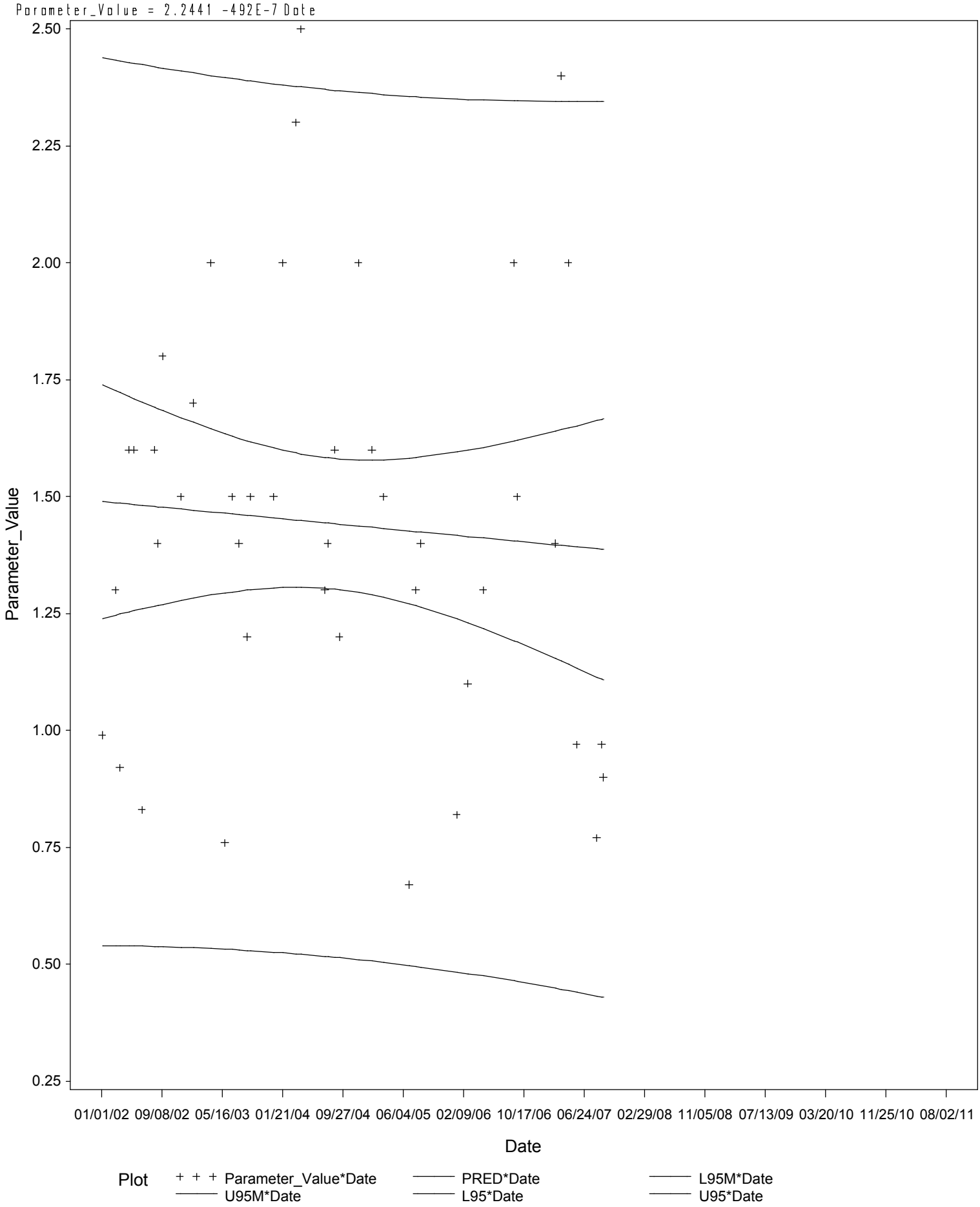
Rio Grande Below Amistad Reservoir

Parameter=TKN (MG/L AS N) Station=18792



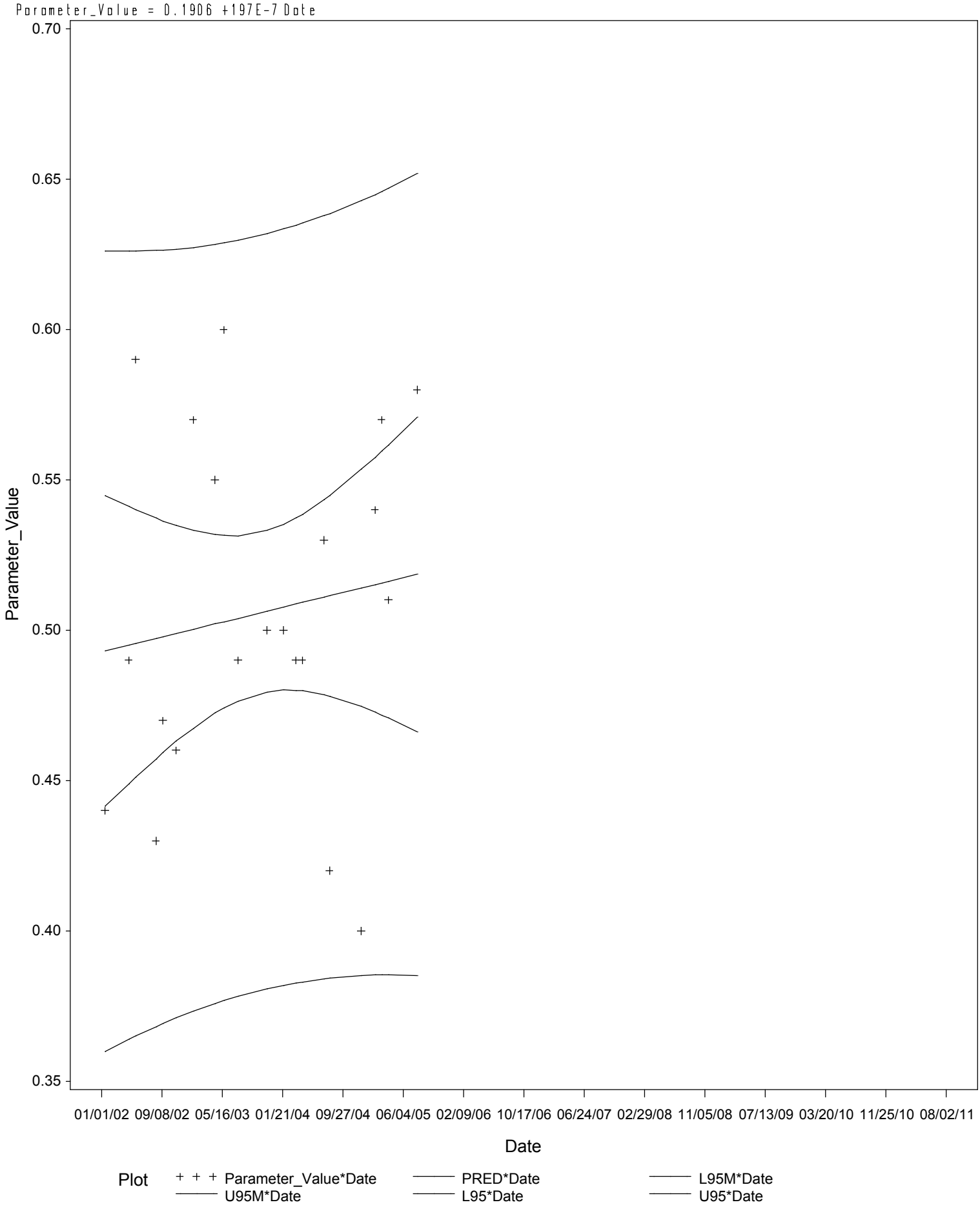
Rio Grande Below Amistad Reservoir

Parameter=TOTAL NITROGEN (MG/L AS N) Station=13196



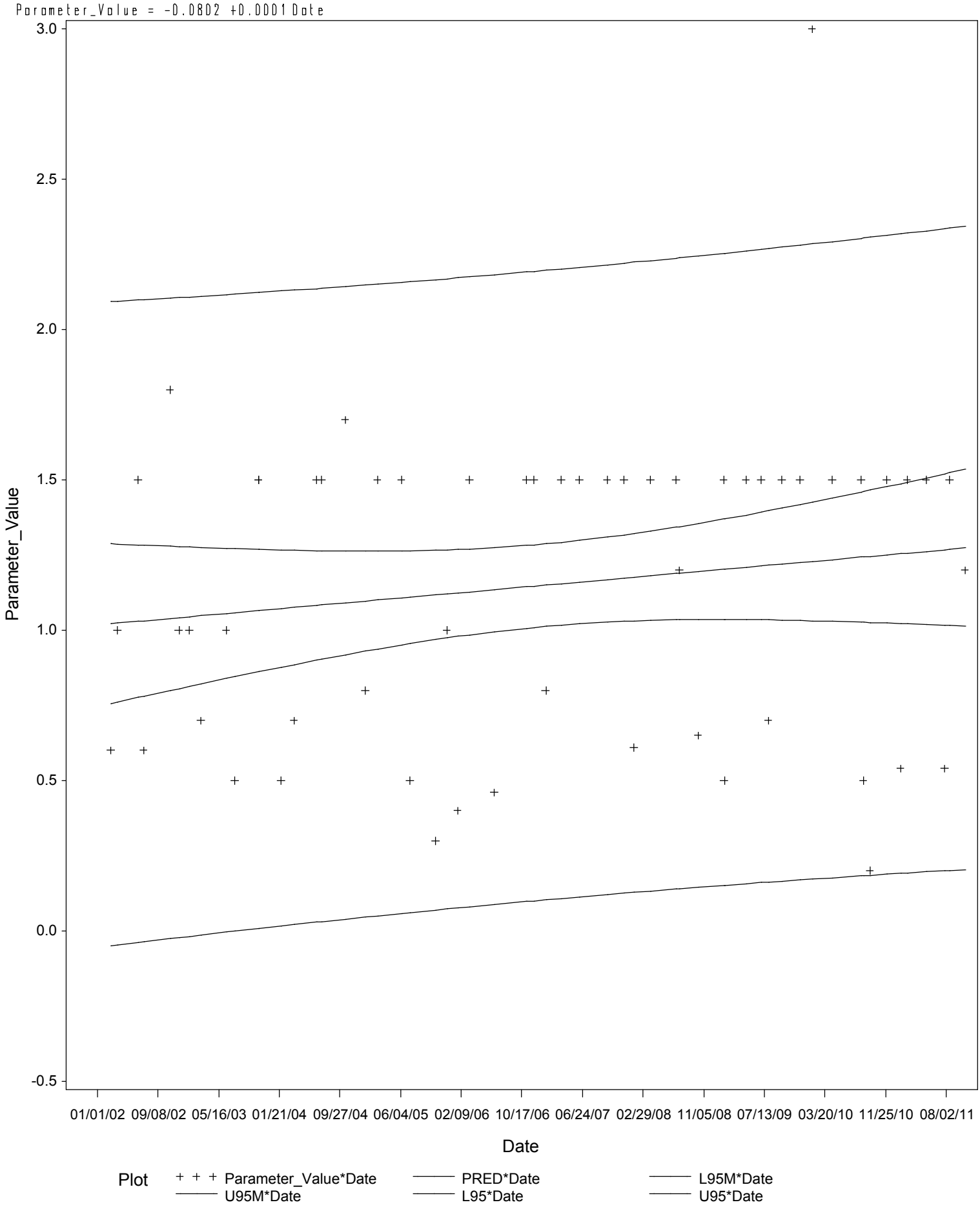
Rio Grande Below Amistad Reservoir

Parameter=TOTAL NITROGEN (MG/L AS N) Station=13209



Rio Grande Below Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13208



Rio Grande Below Amistad Reservoir

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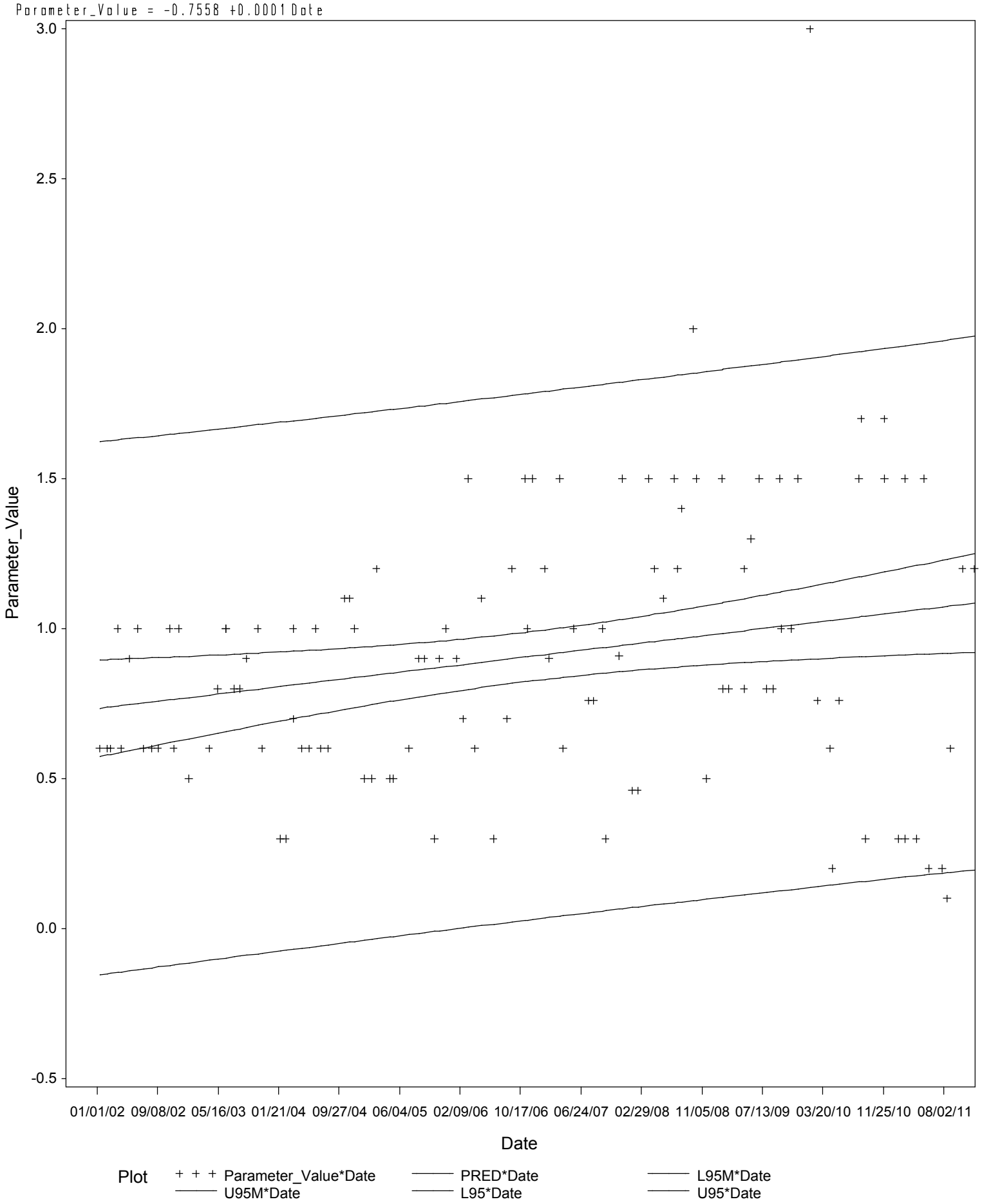
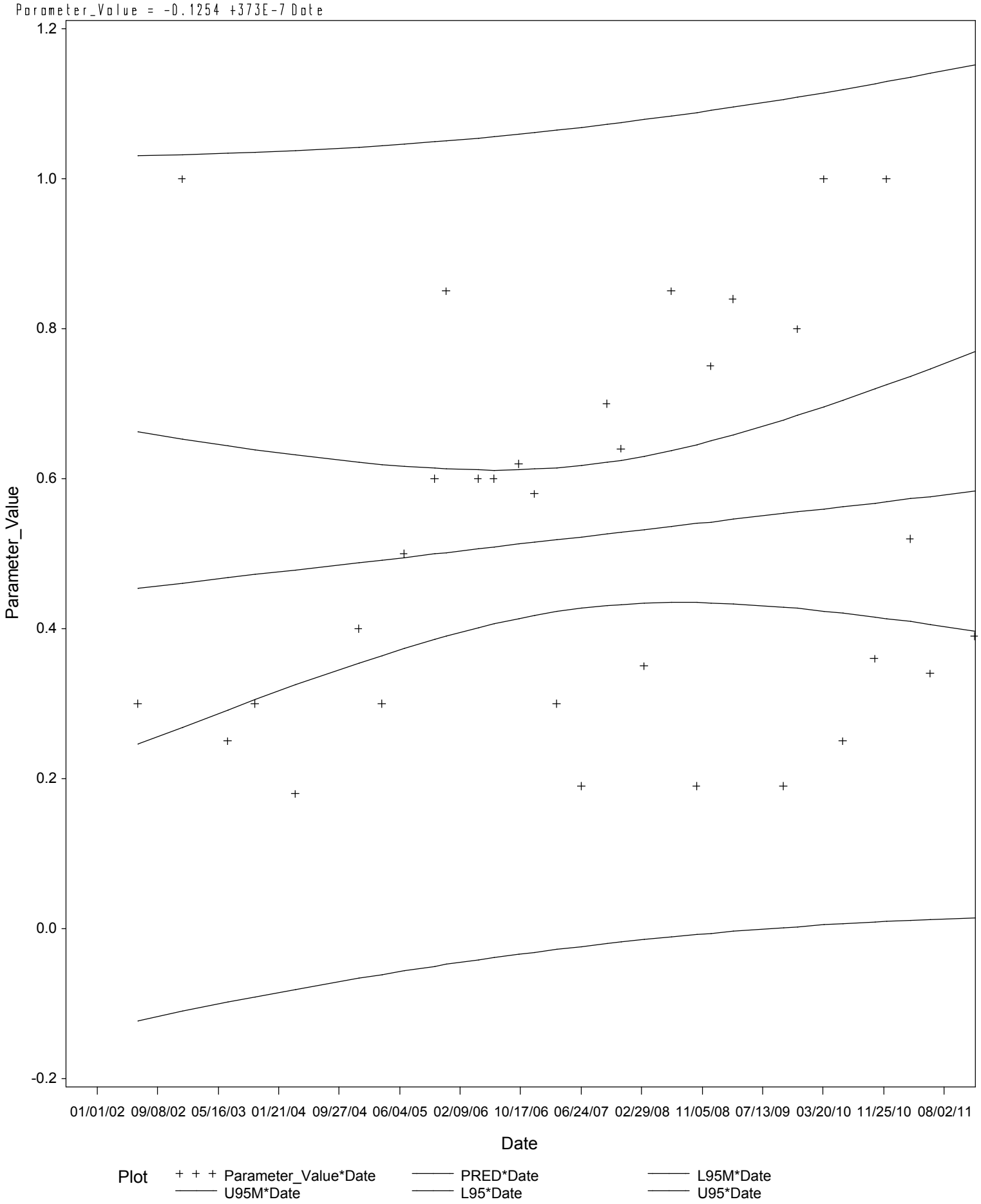


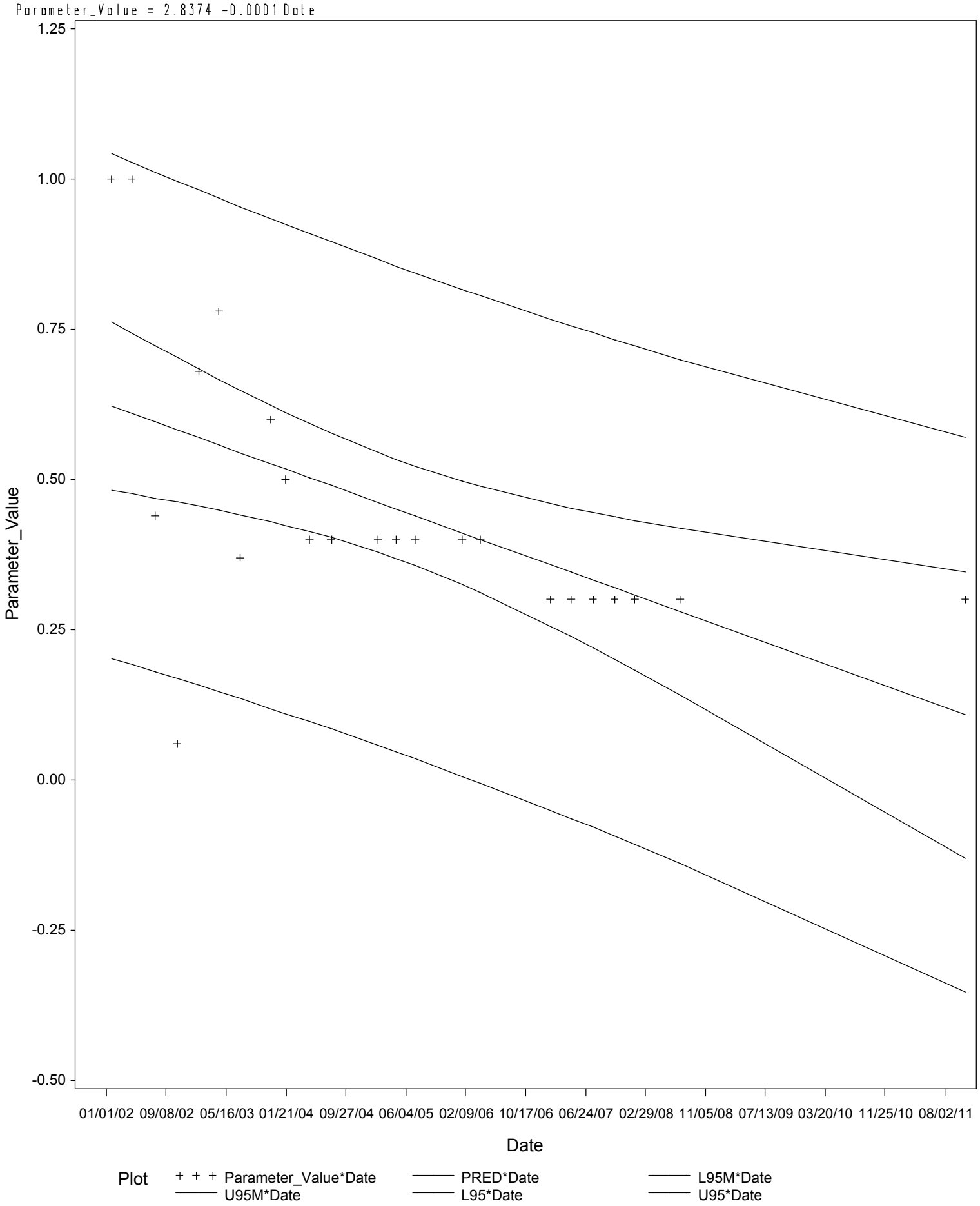
Rio Grande Below Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=15274



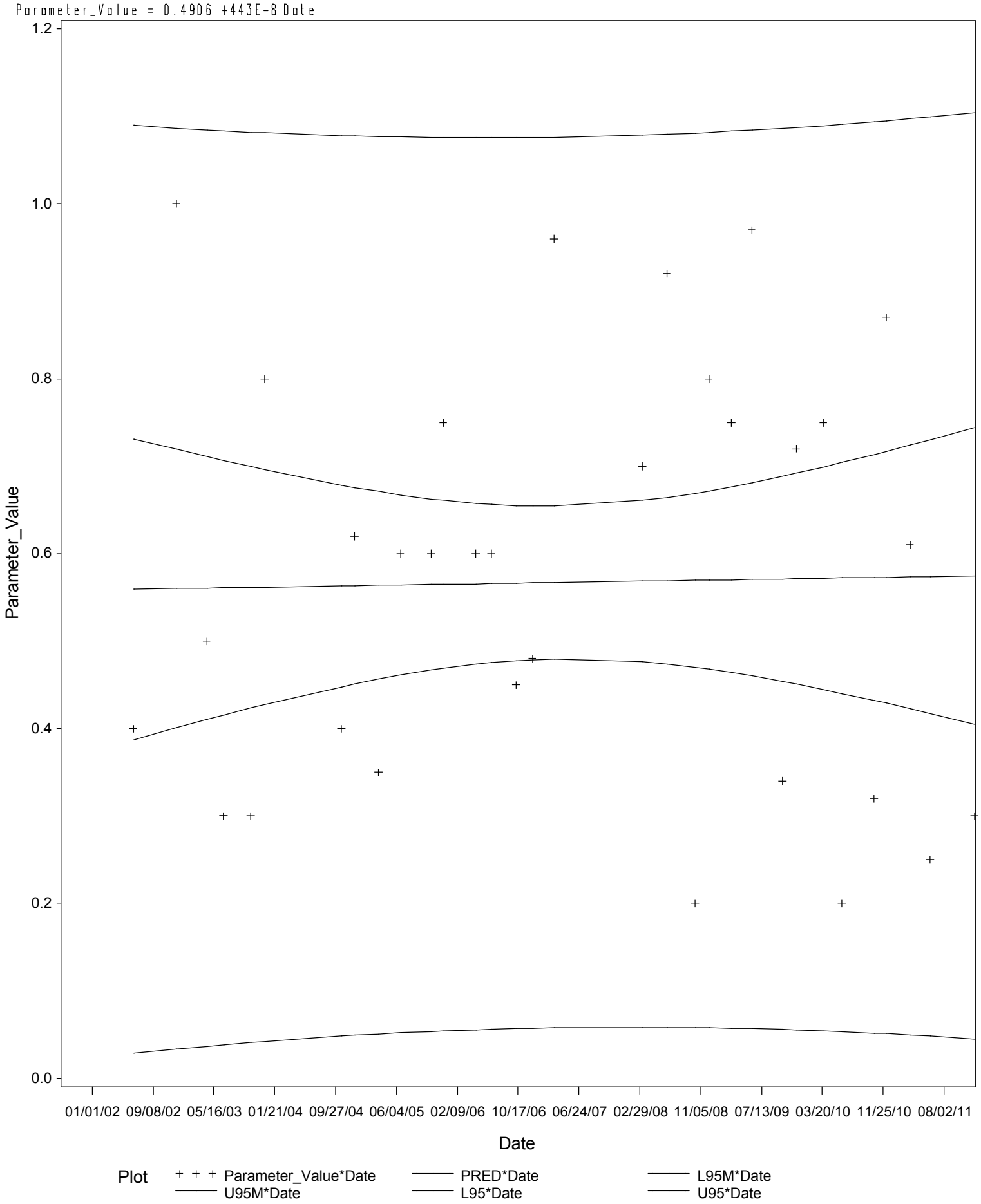
Rio Grande Below Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=17596



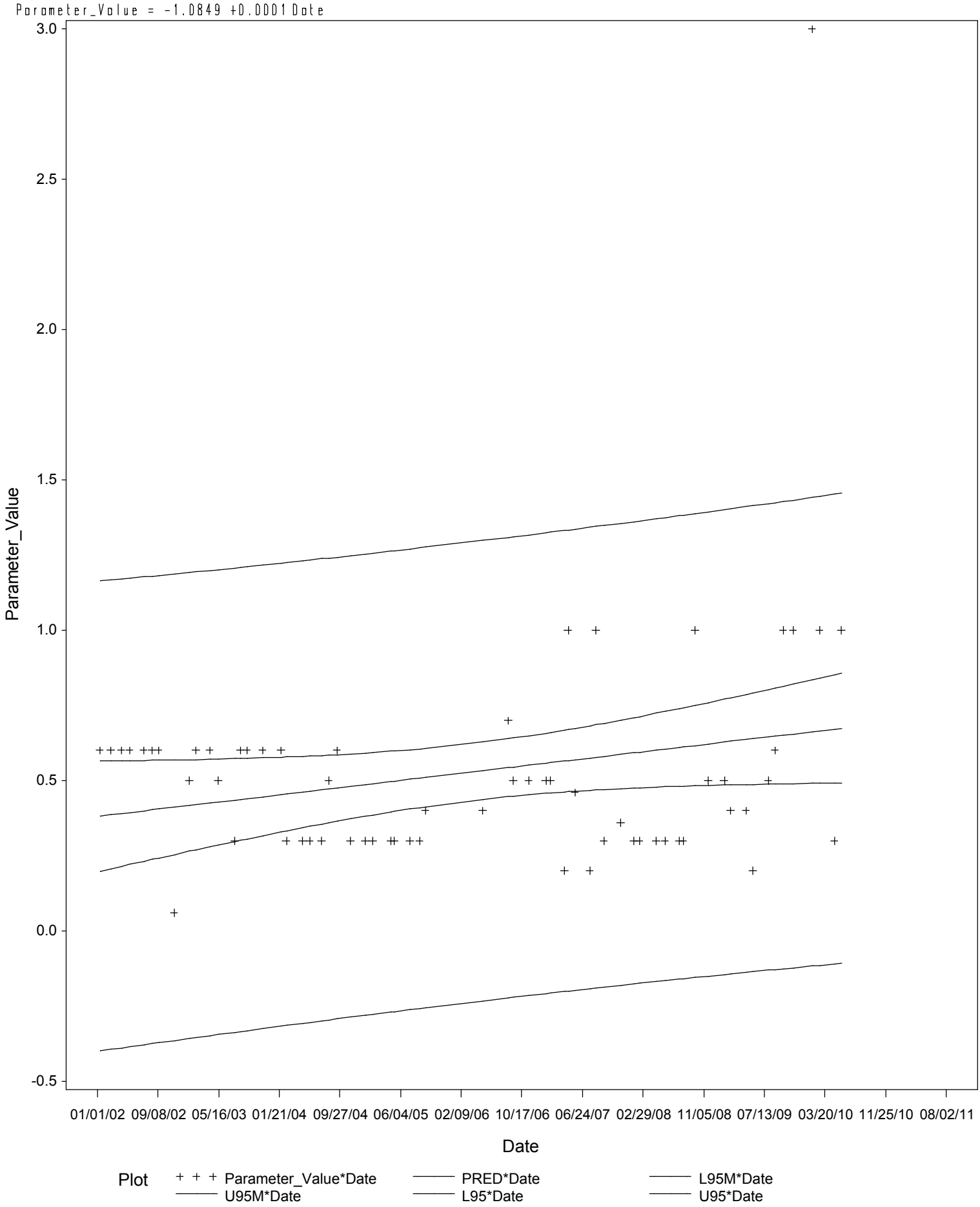
Rio Grande Below Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=18792



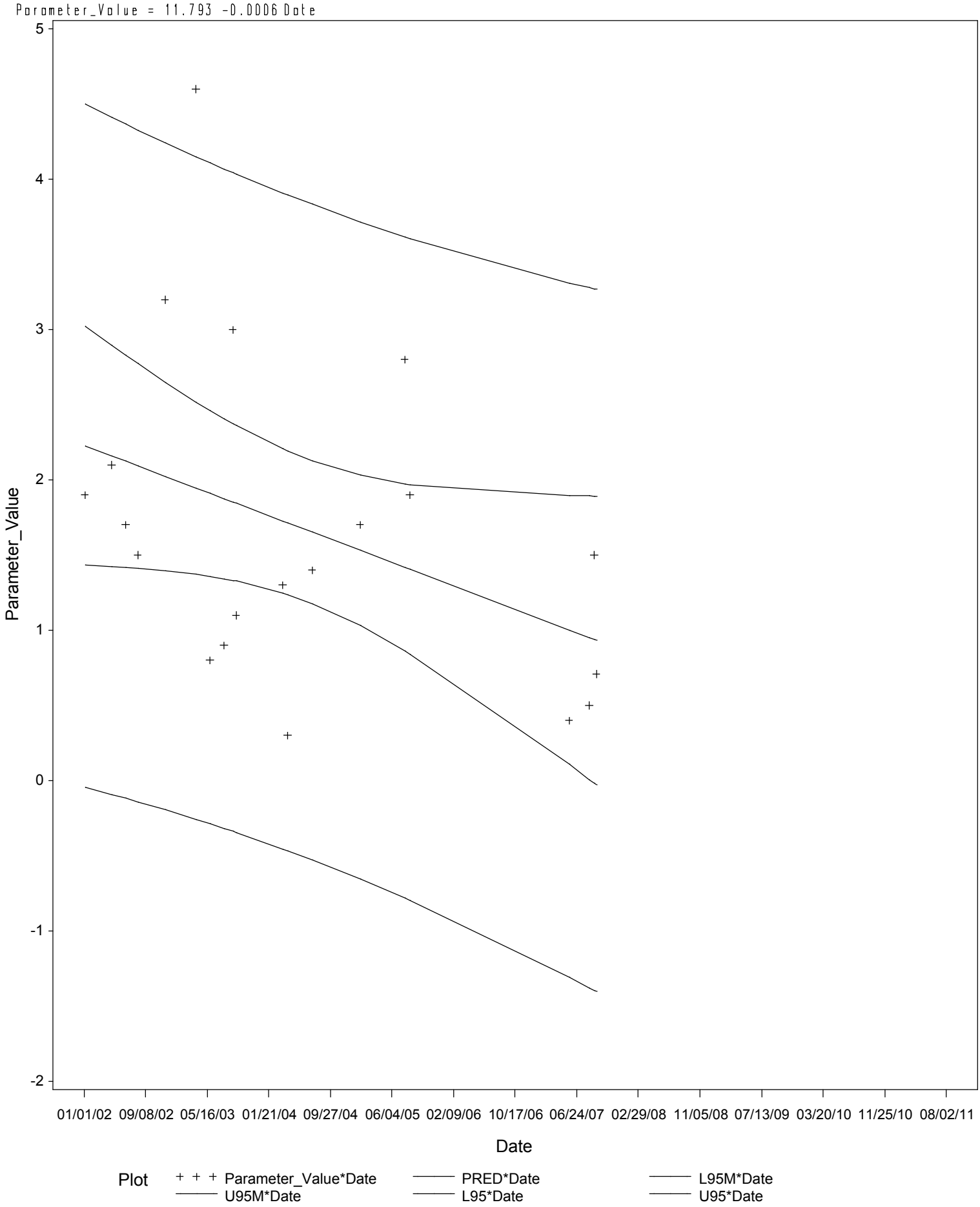
Rio Grande Below Amistad Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=18795

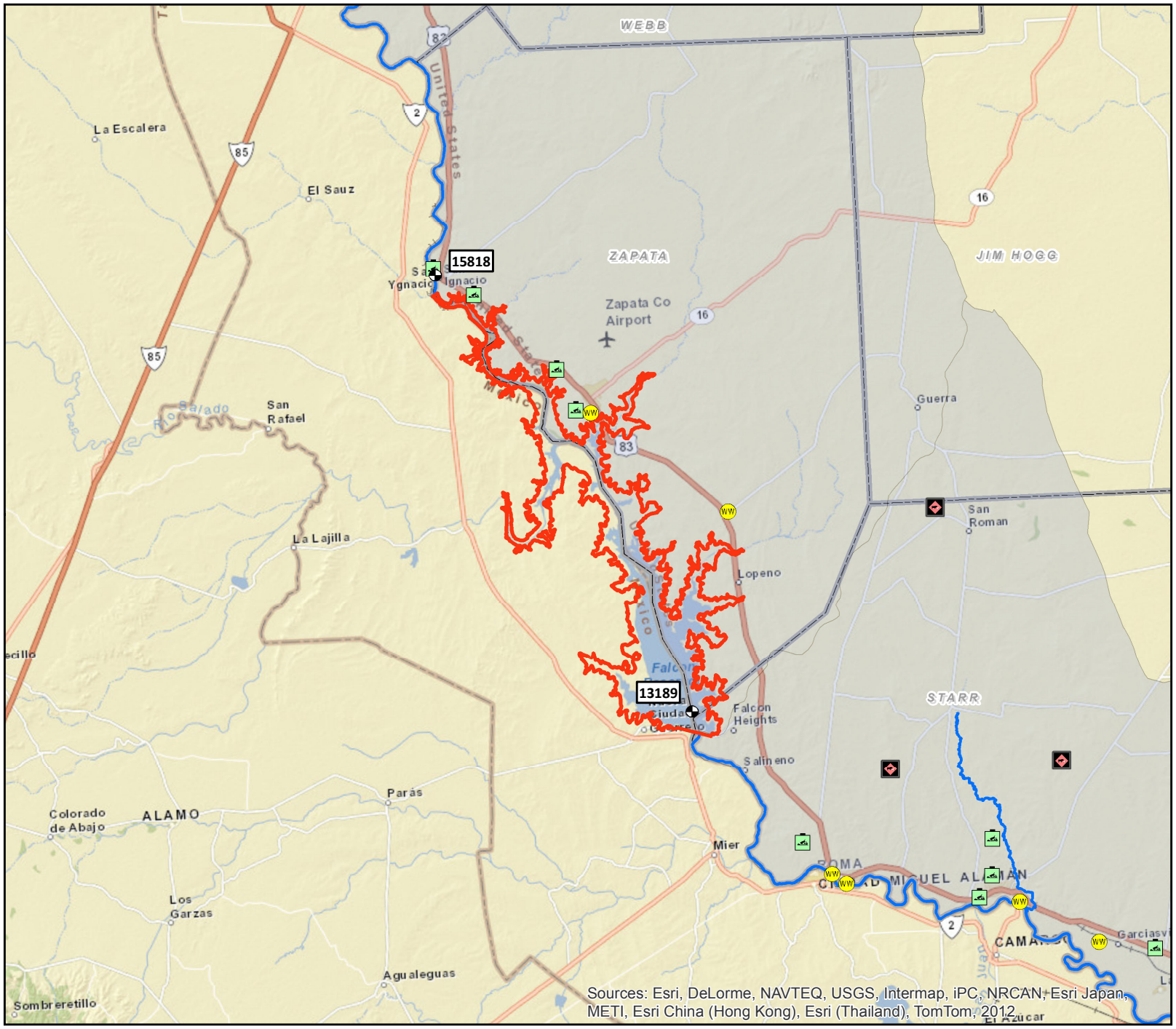


Rio Grande Below Amistad Reservoir

Parameter=ZINC, DISSOLVED (UG/L AS ZN) Station=13196



12. Lower Rio Grande Segment 2303



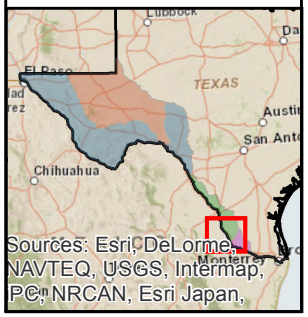
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Lower Rio Grande
Segment ID: 2303
Name: International Falcon Reservoir

LEGEND

- Monitoring Station (2)
- Wastewater Outfall (6)
- Concentrated Animal Feedlot Operations (3)
- Landfill (9)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



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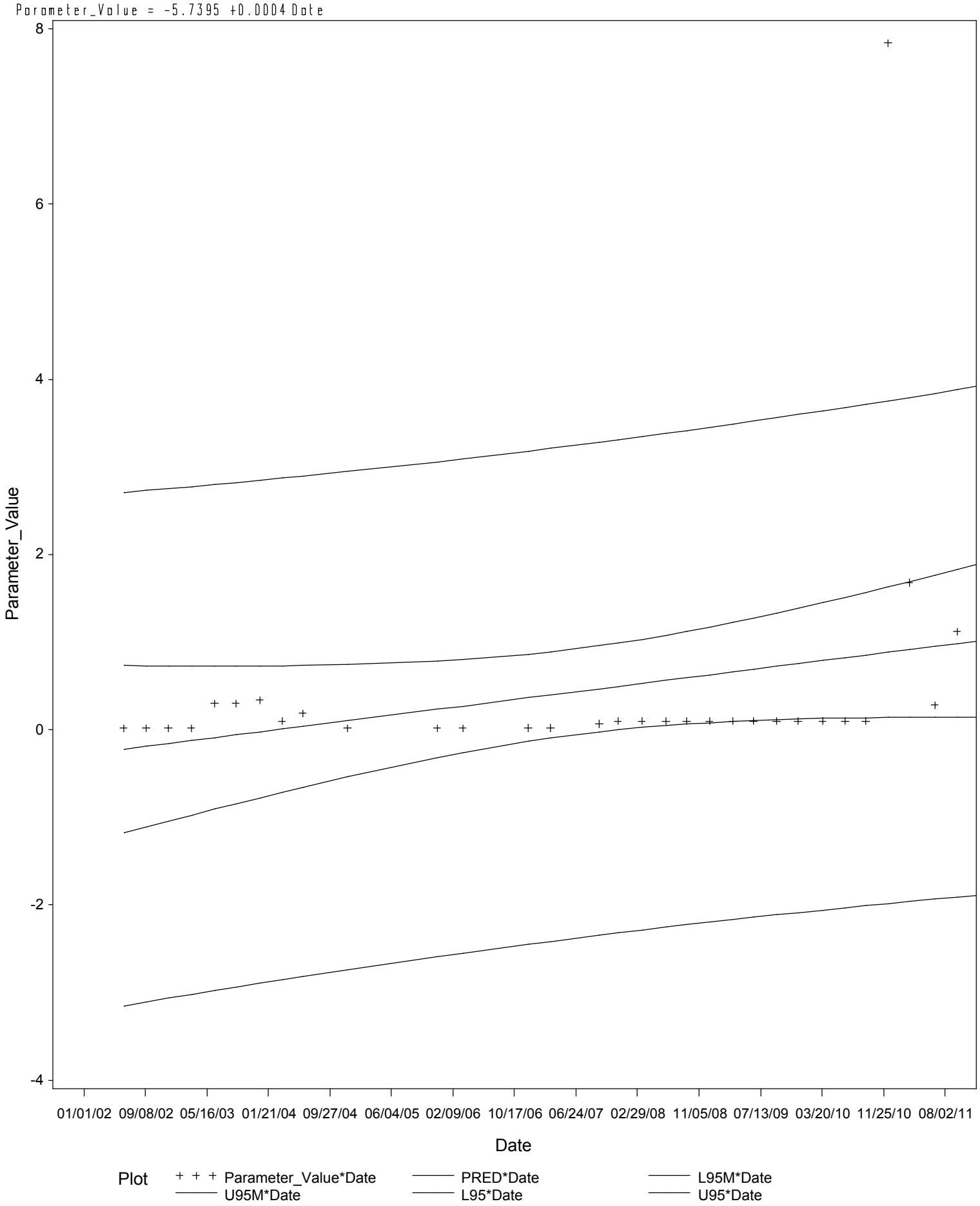
HDR ENVIRONMENTAL, OPERATIONS AND CONSTRUCTION, INC
184 CREEKSIDE PARK, SUITE 100
SPRING BRANCH, TX 78070-6230
210.253.6528

AUG 2013

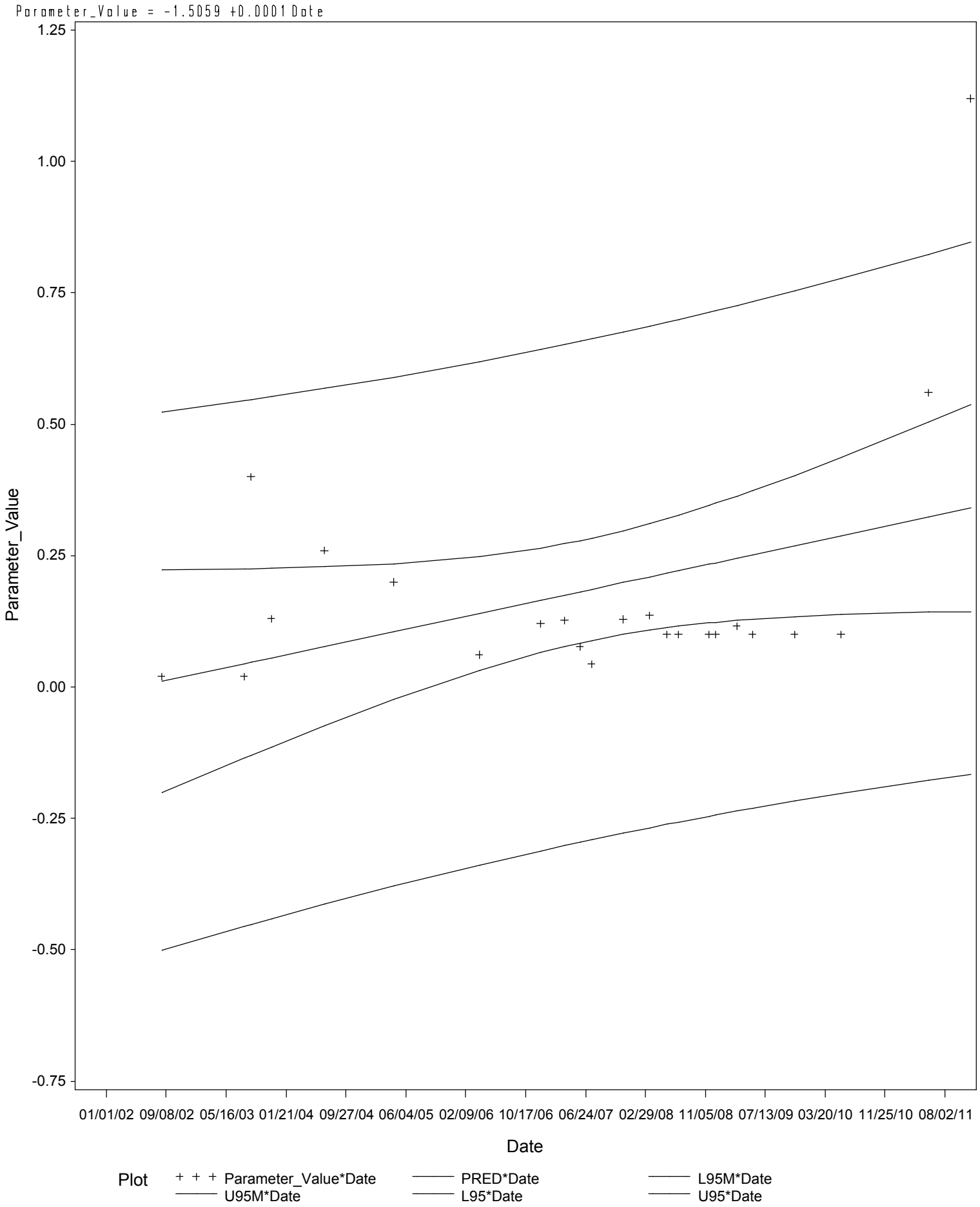
International Falcon Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13189

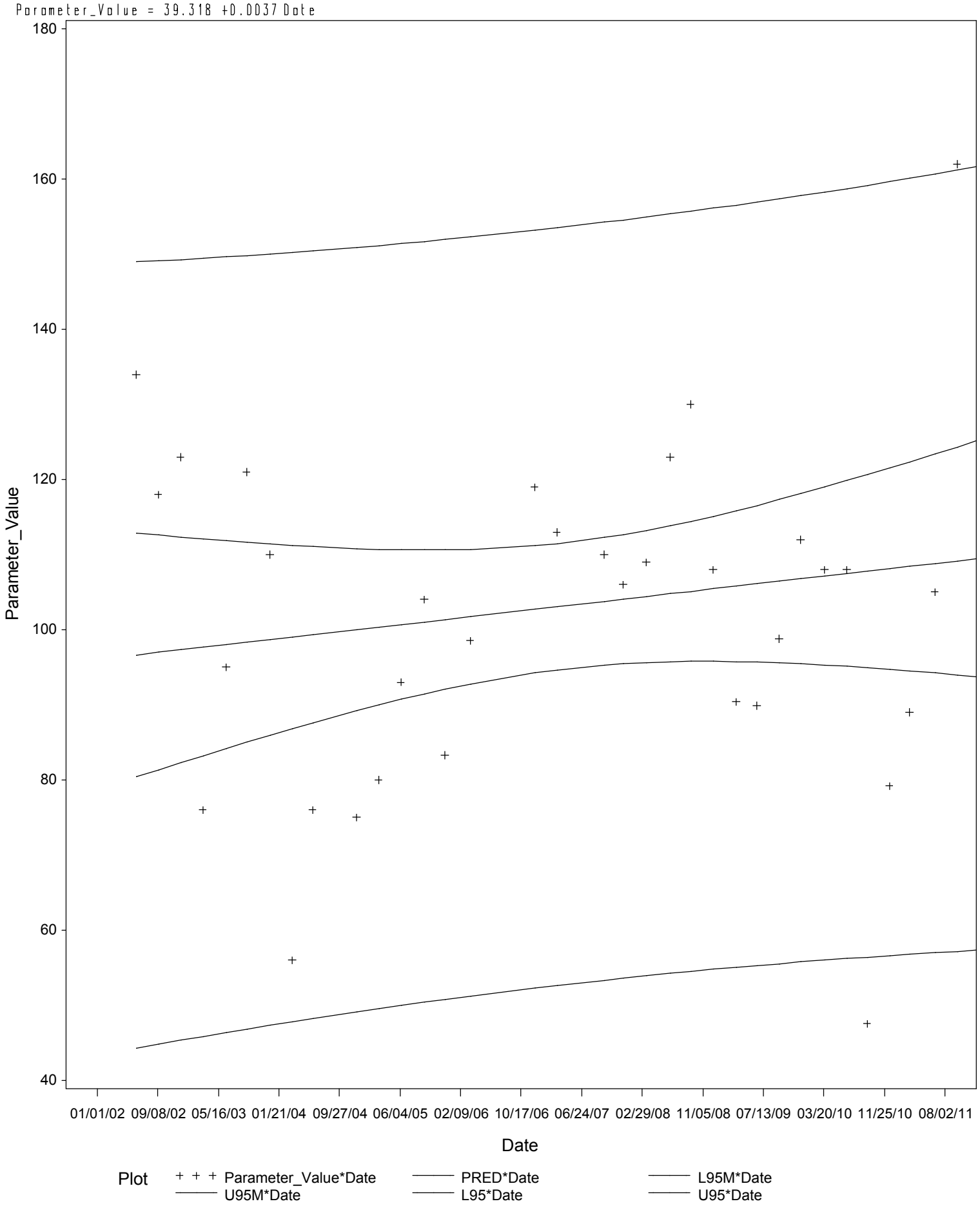


International Falcon Reservoir

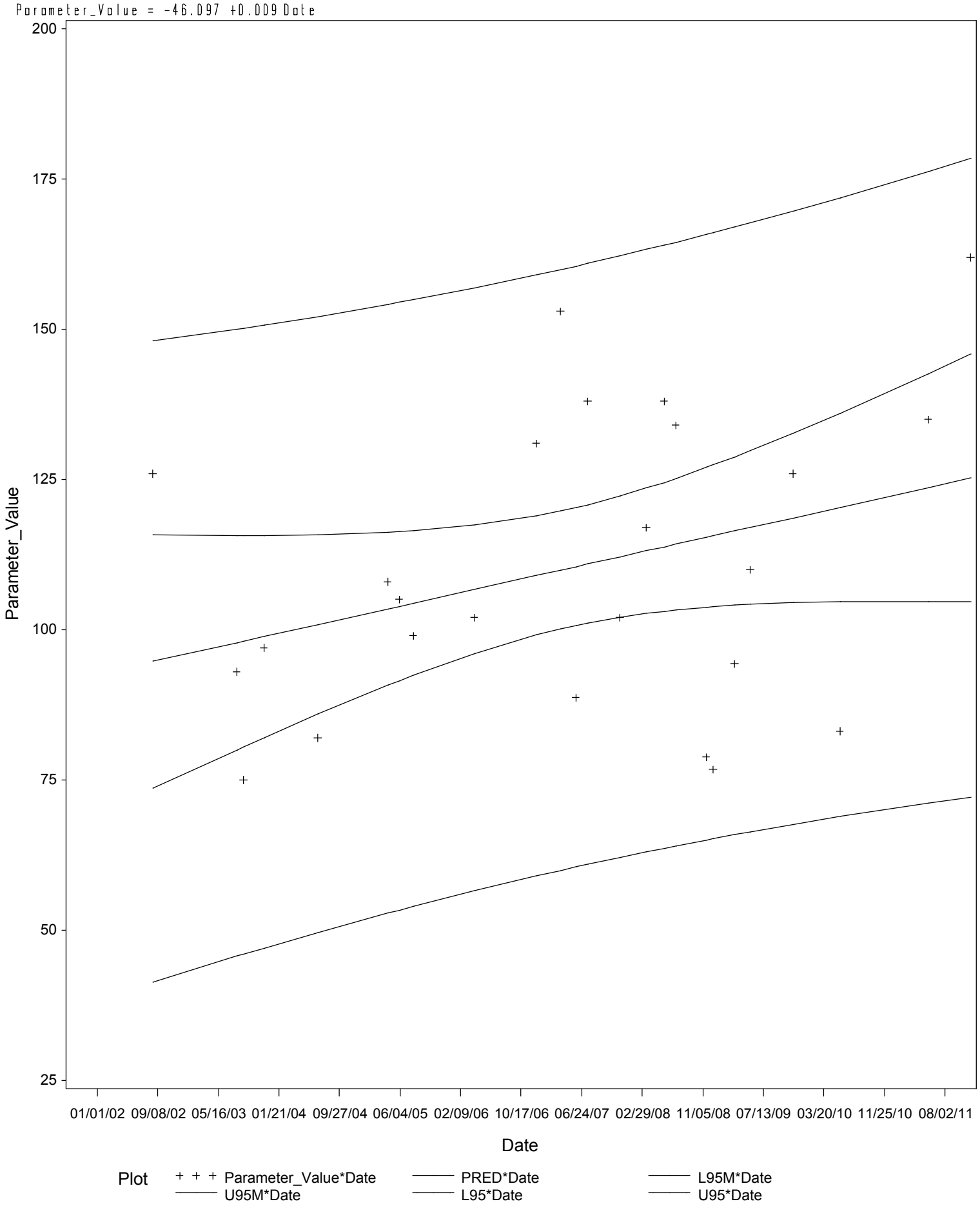
Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15818



International Falcon Reservoir
Parameter=CHLORIDE (MG/L AS CL) Station=13189

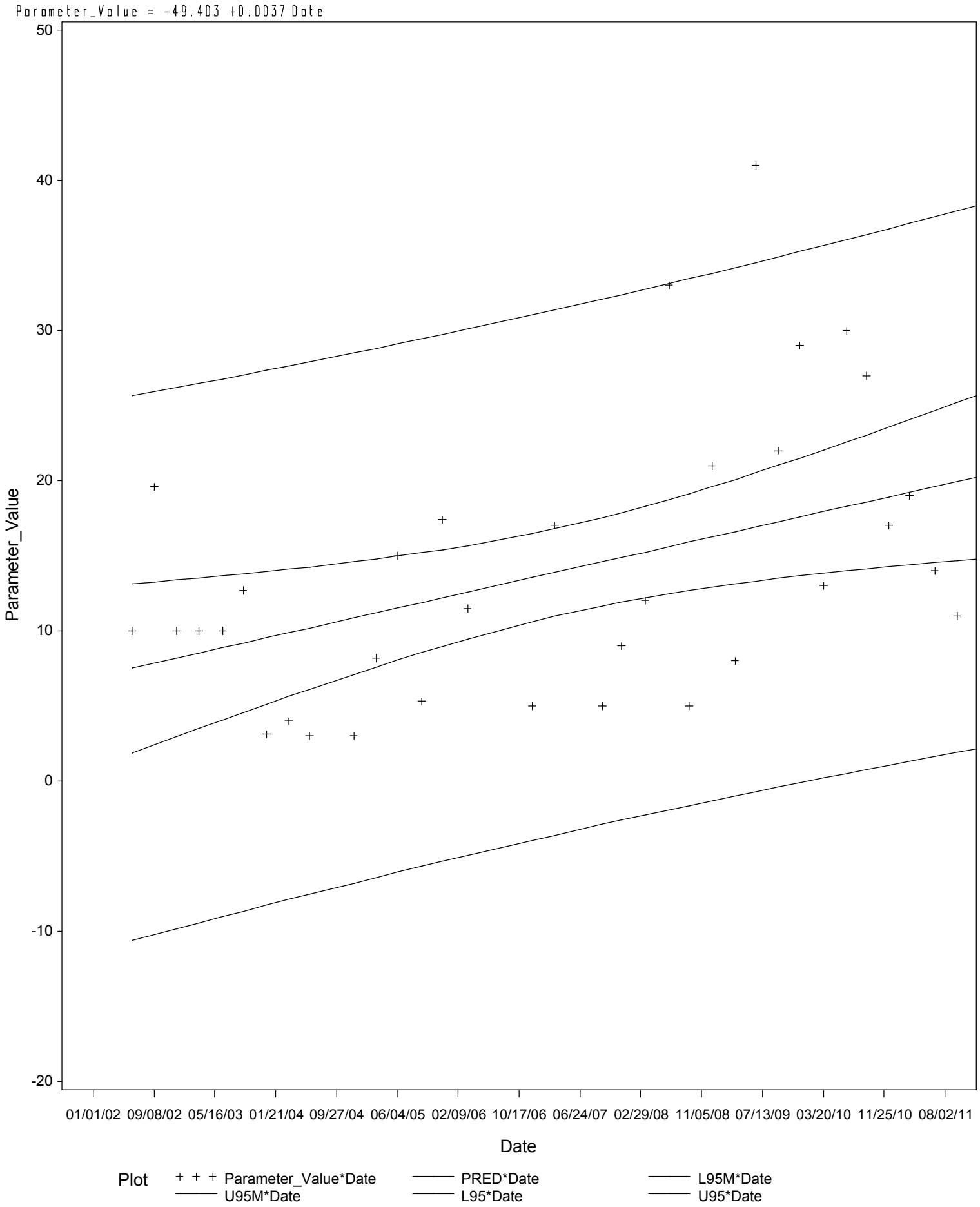


International Falcon Reservoir
Parameter=CHLORIDE (MG/L AS CL) Station=15818



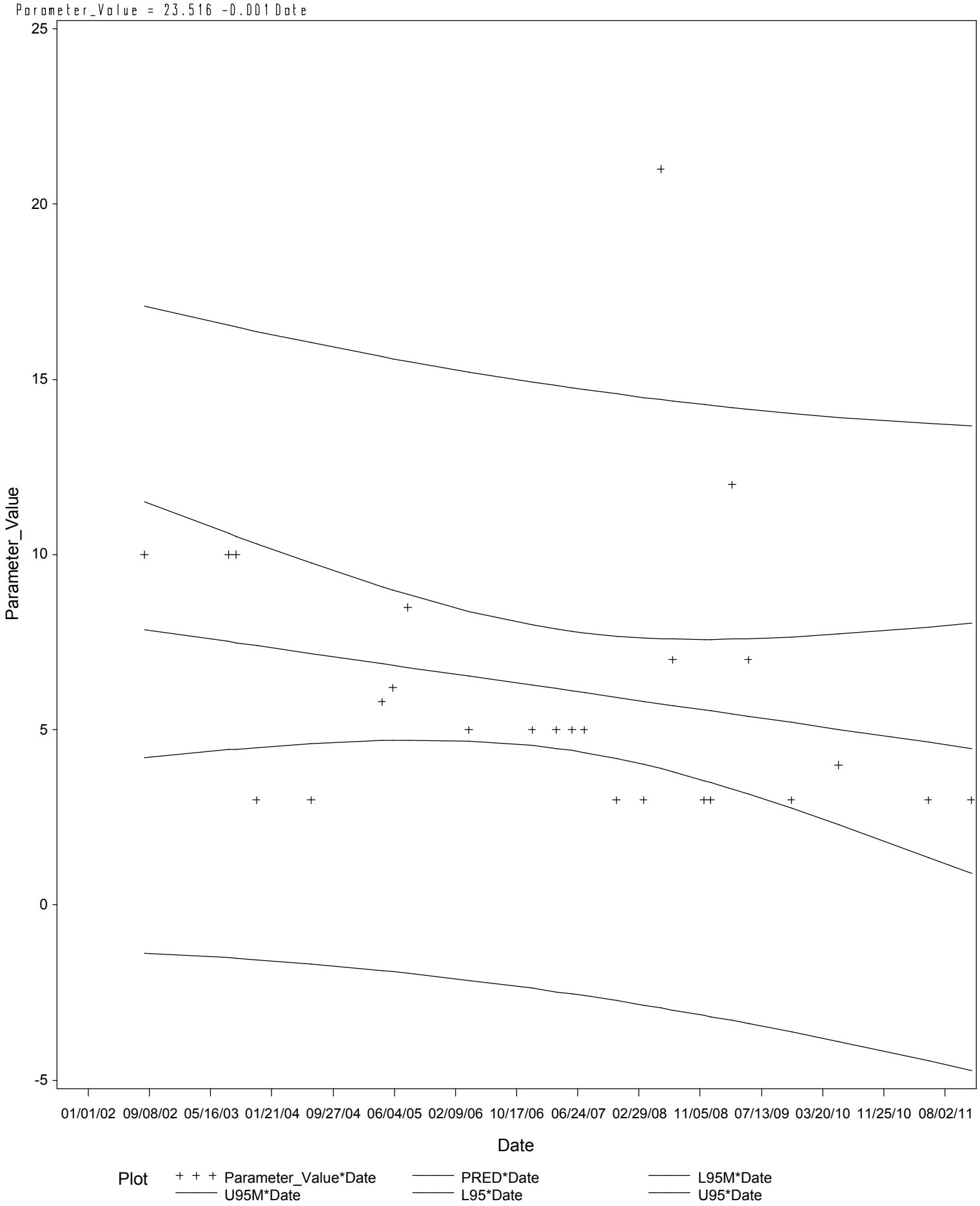
International Falcon Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=13189



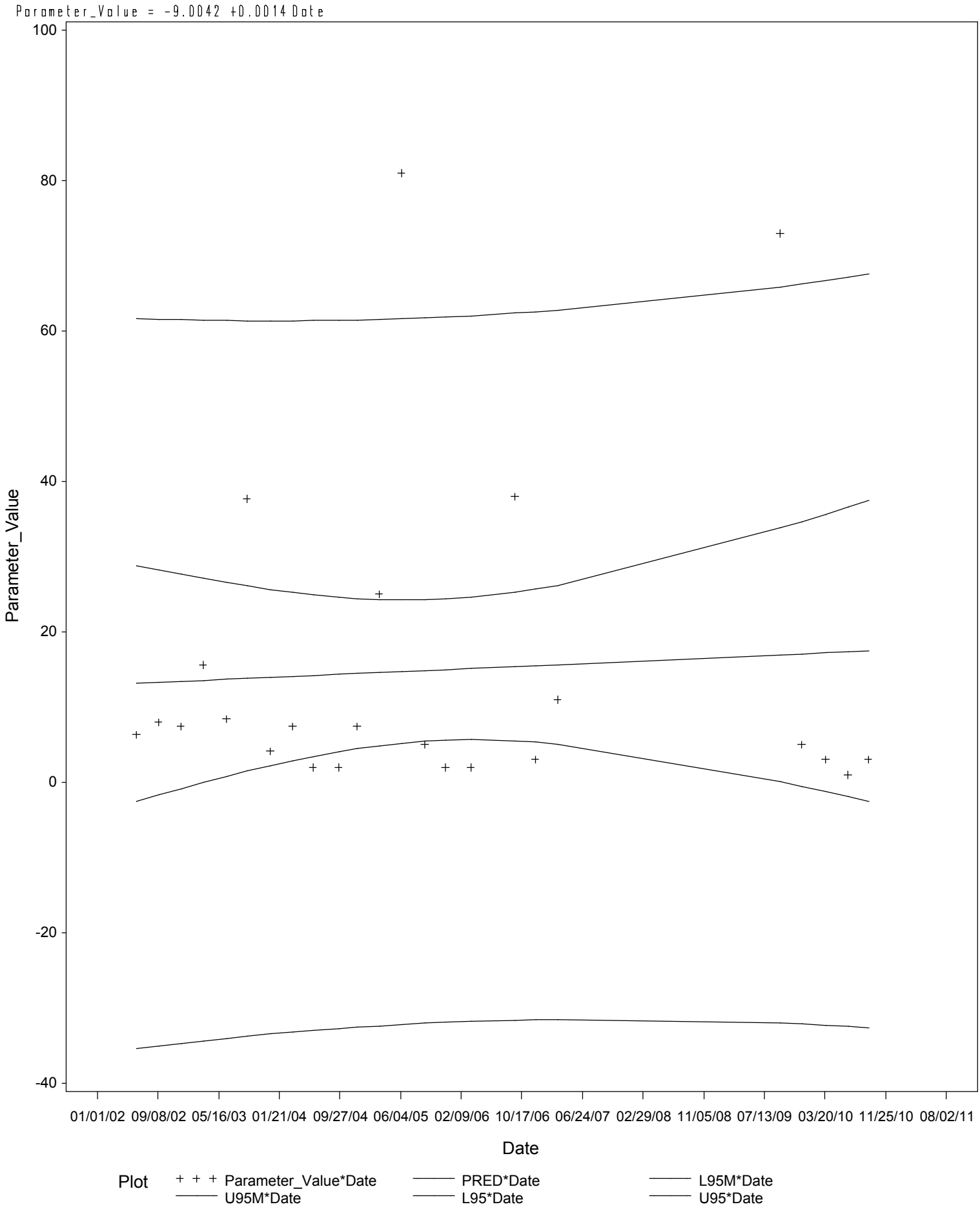
International Falcon Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=15818



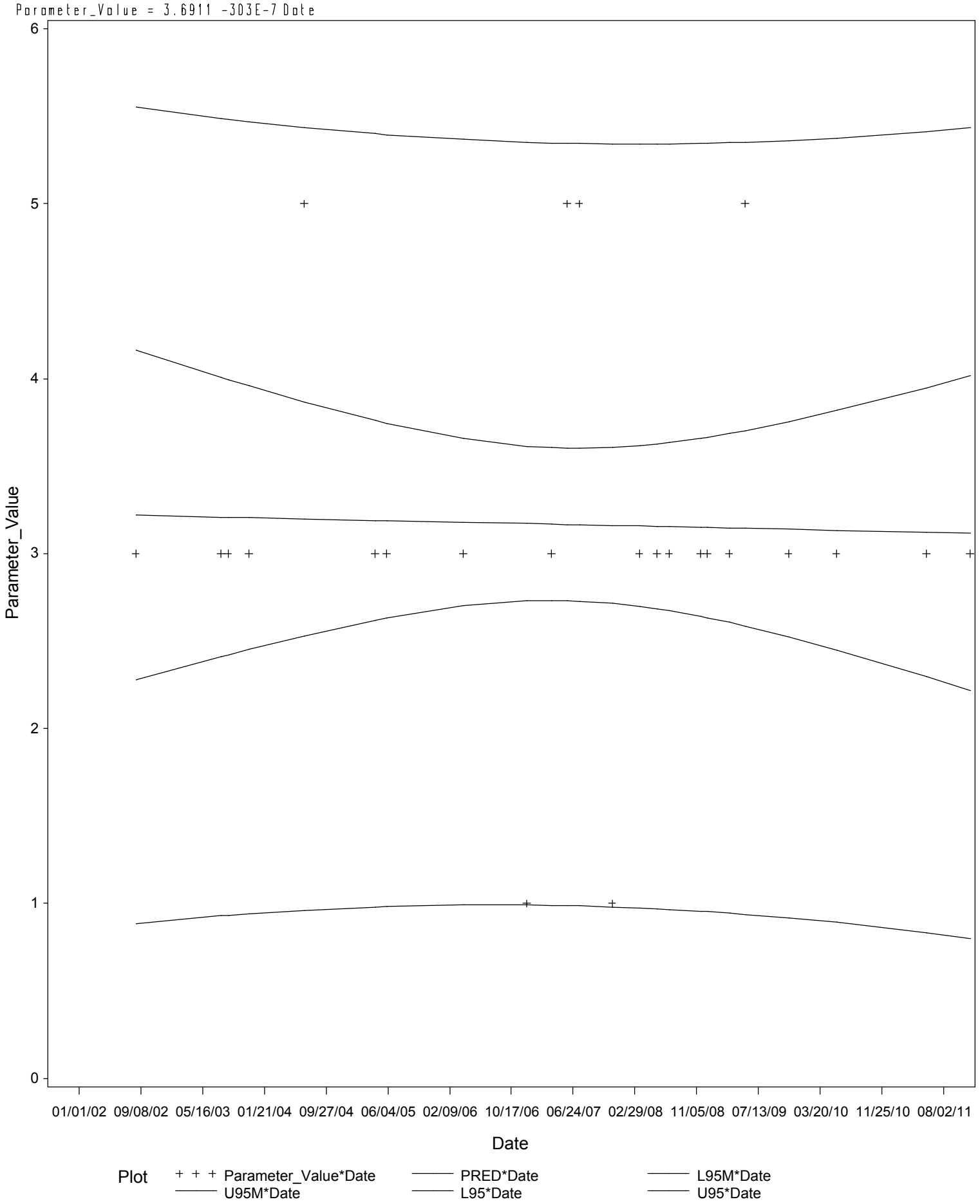
International Falcon Reservoir

Parameter=E. COLI, MPN/100ML Station=13189



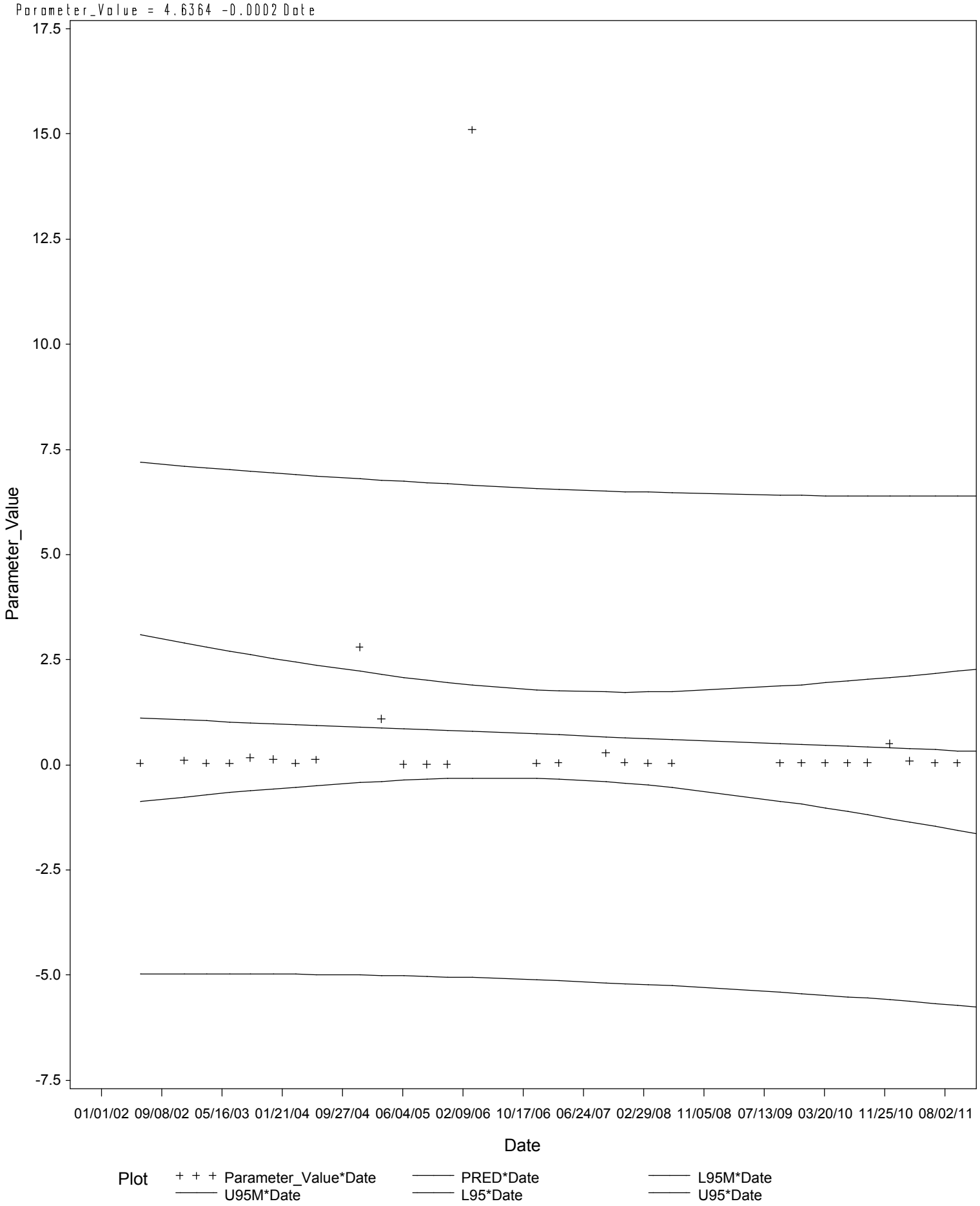
International Falcon Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=15818



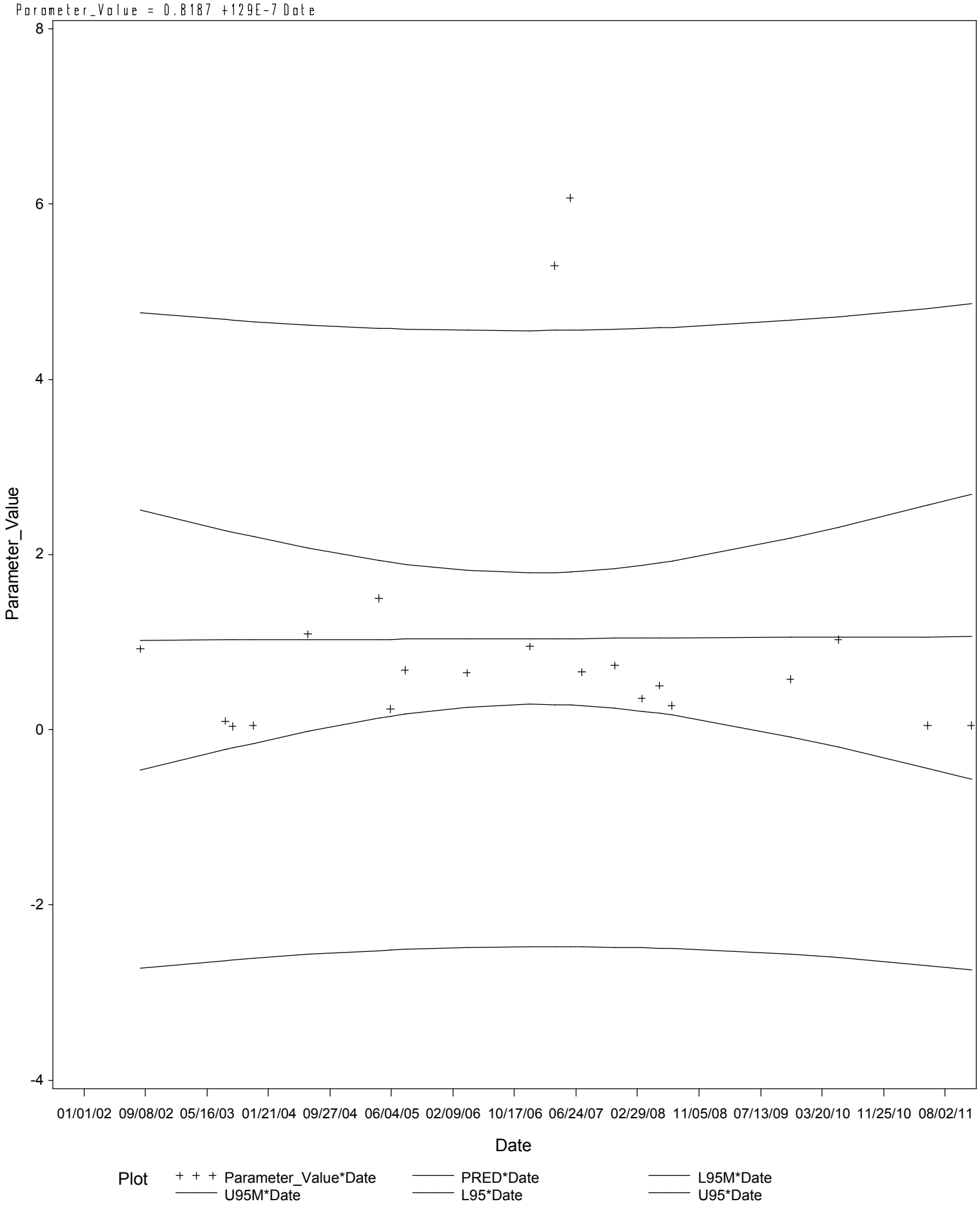
International Falcon Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13189



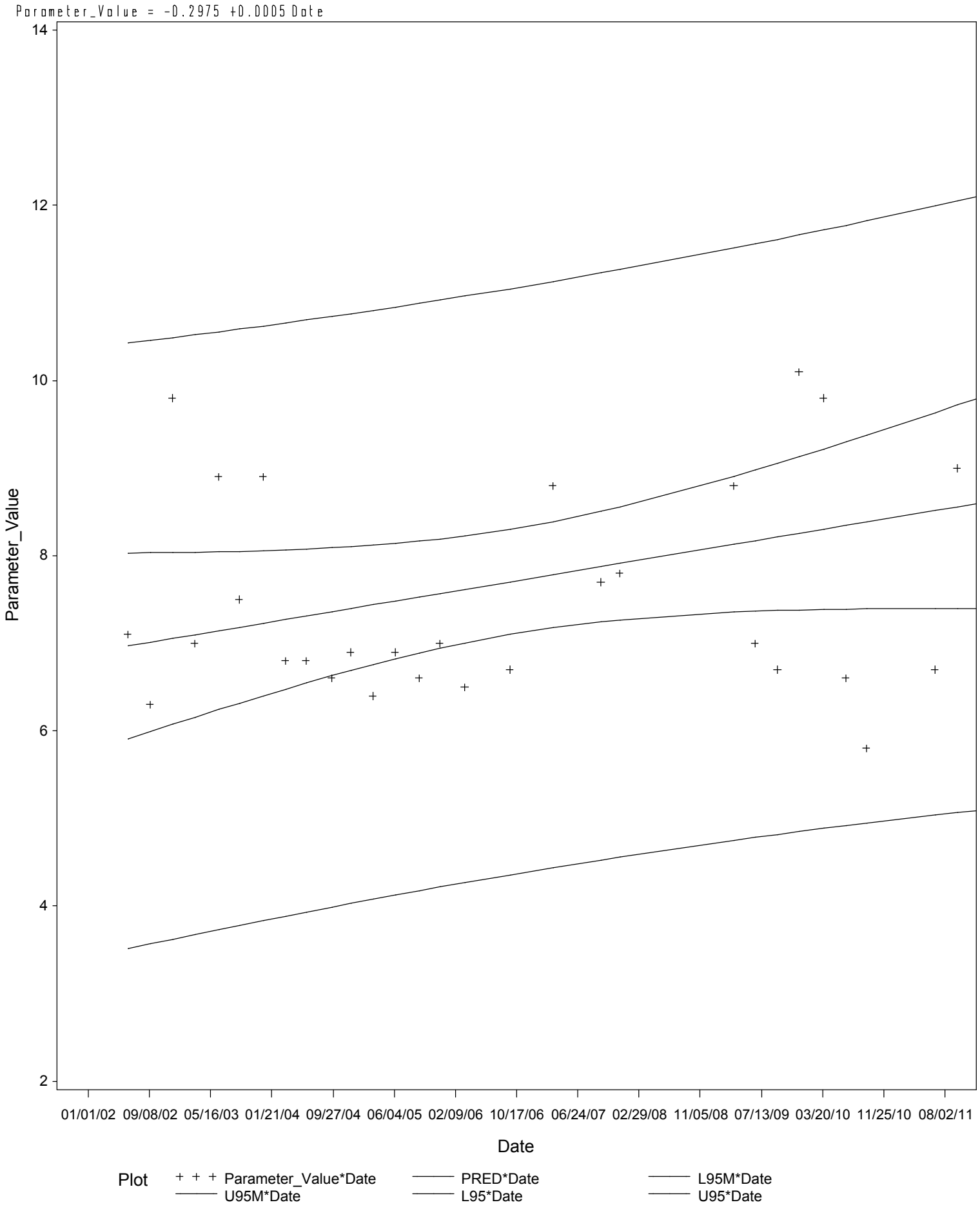
International Falcon Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=15818

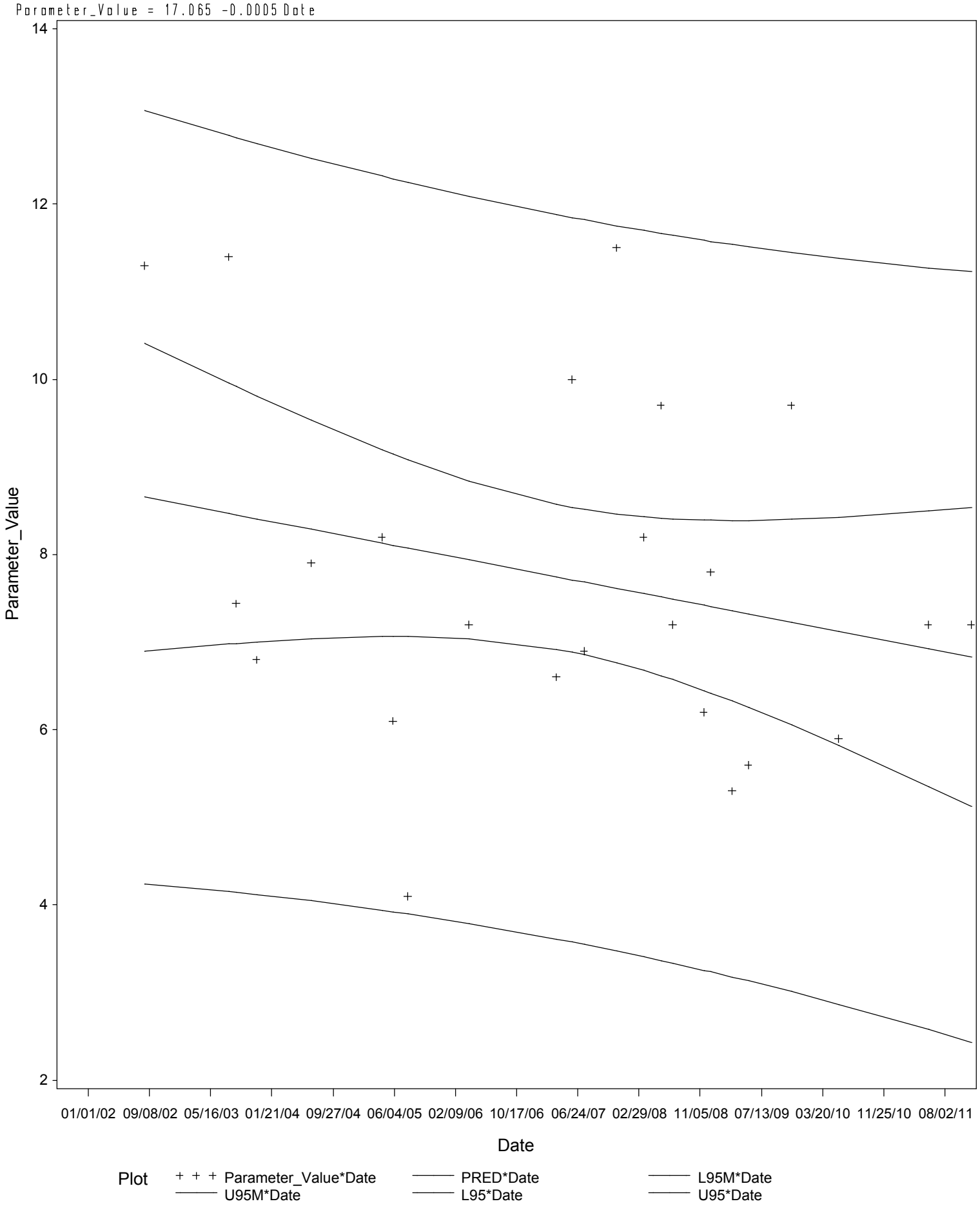


International Falcon Reservoir

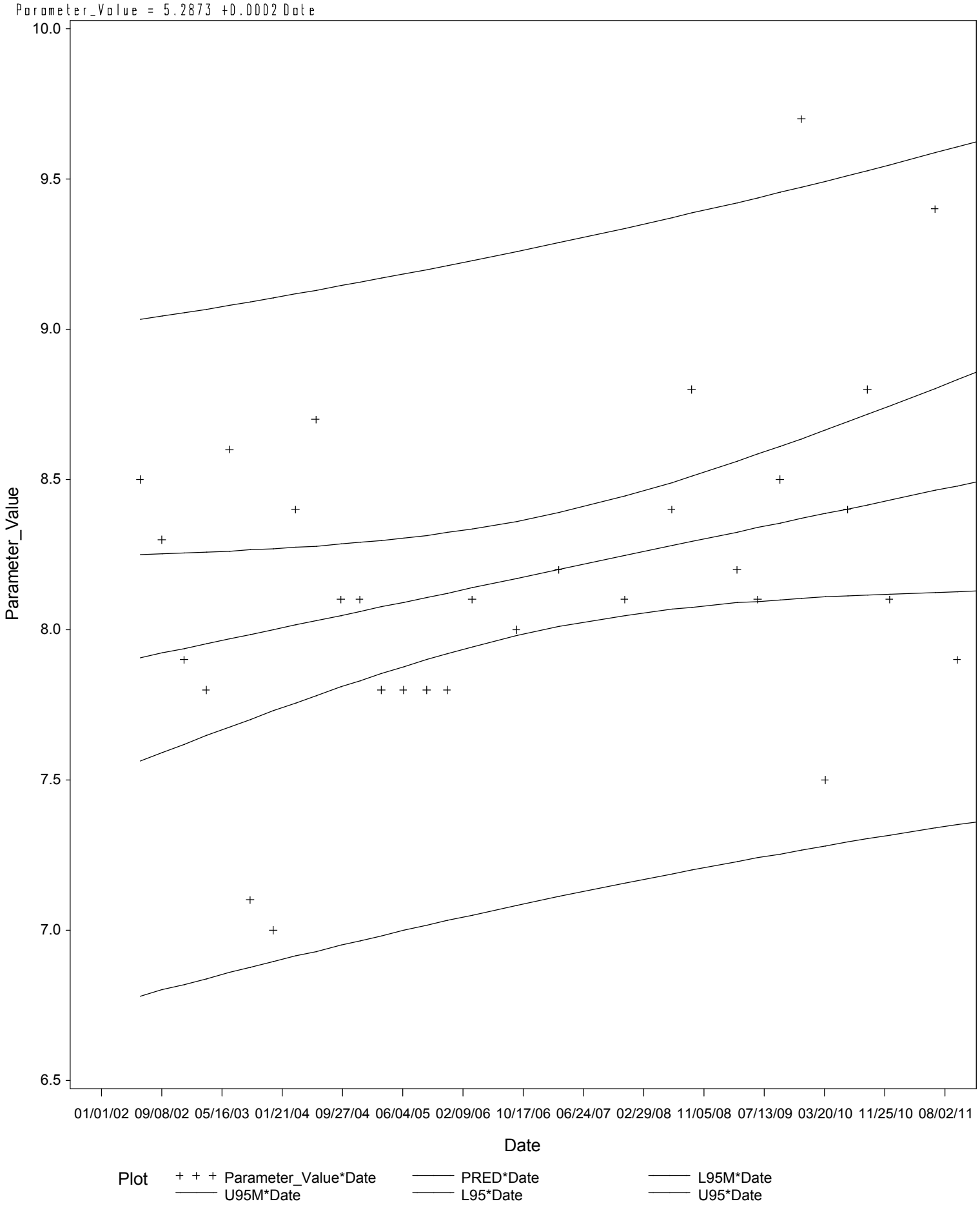
Parameter=OXYGEN, DISSOLVED (MG/L) Station=13189



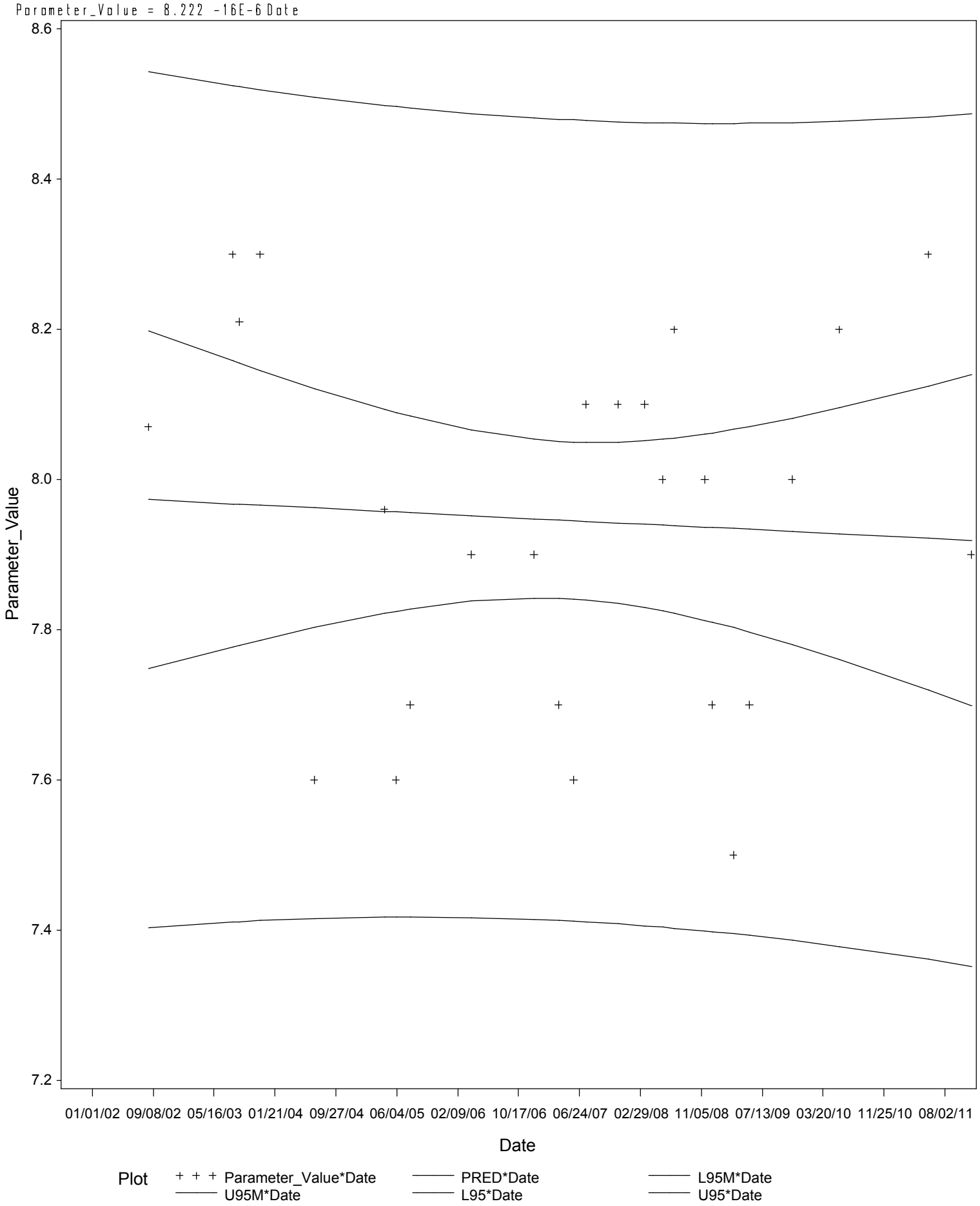
International Falcon Reservoir
Parameter=OXYGEN, DISSOLVED (MG/L) Station=15818



International Falcon Reservoir
Parameter=PH (STANDARD UNITS) Station=13189

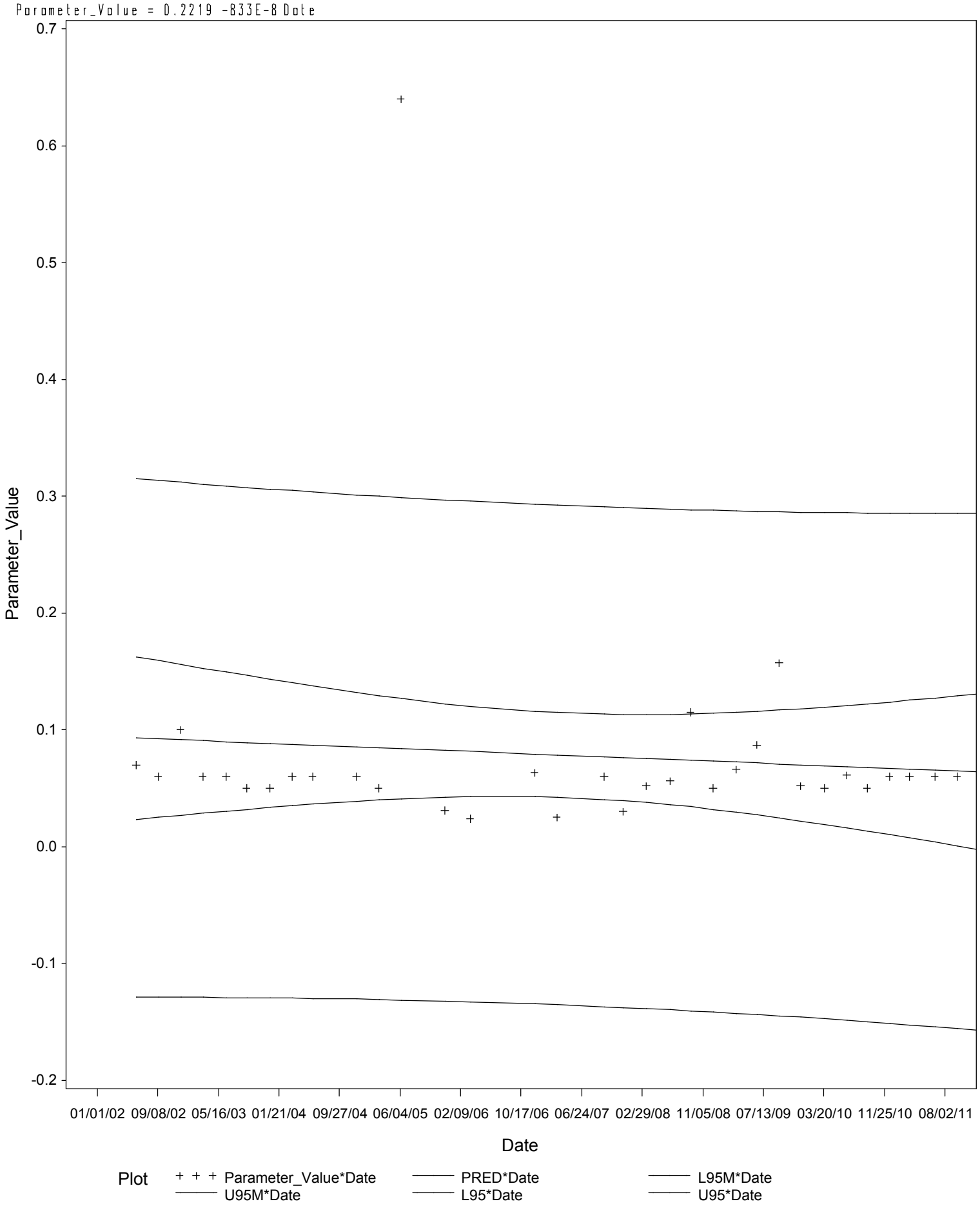


International Falcon Reservoir
Parameter=PH (STANDARD UNITS) Station=15818



International Falcon Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13189



International Falcon Reservoir

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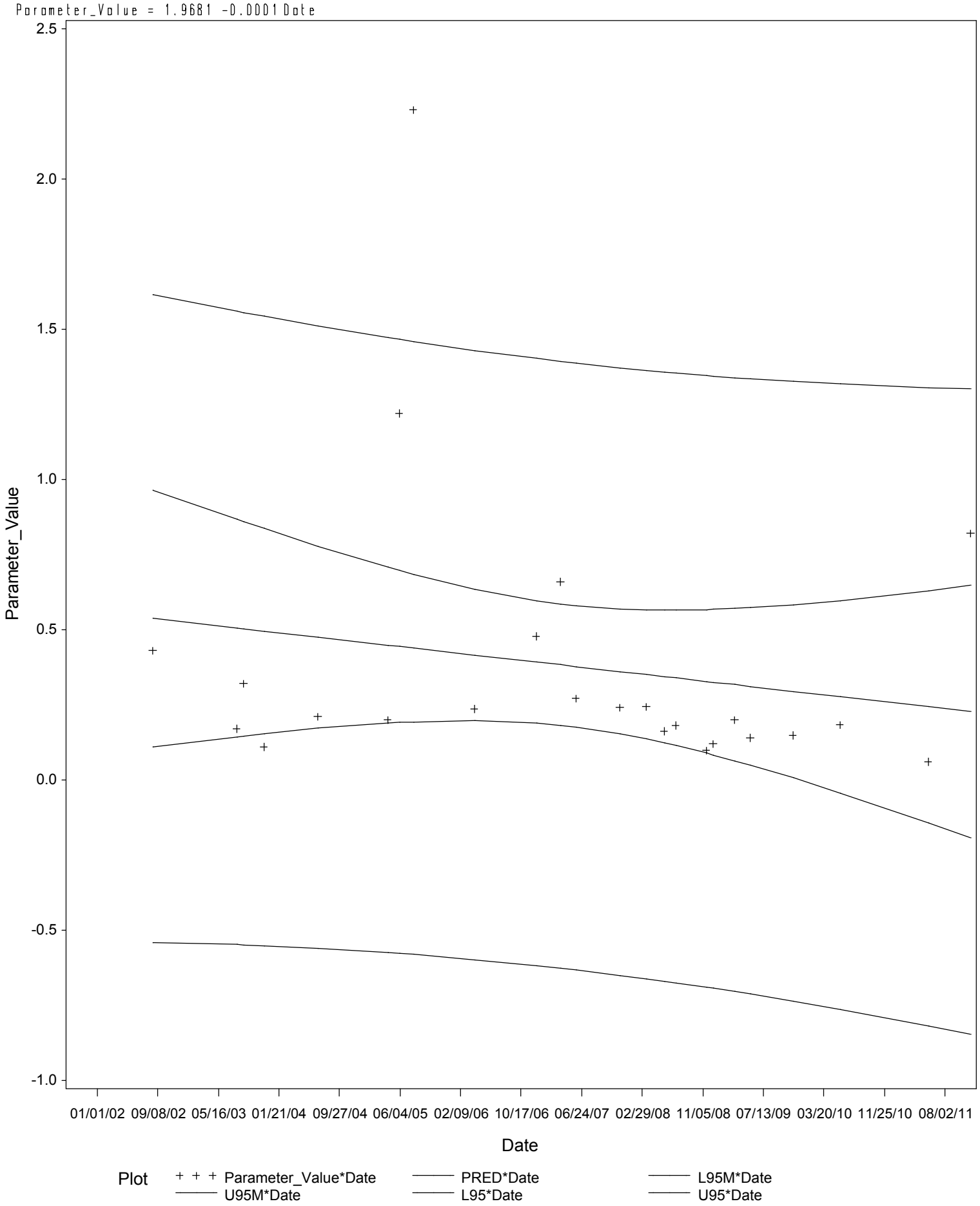
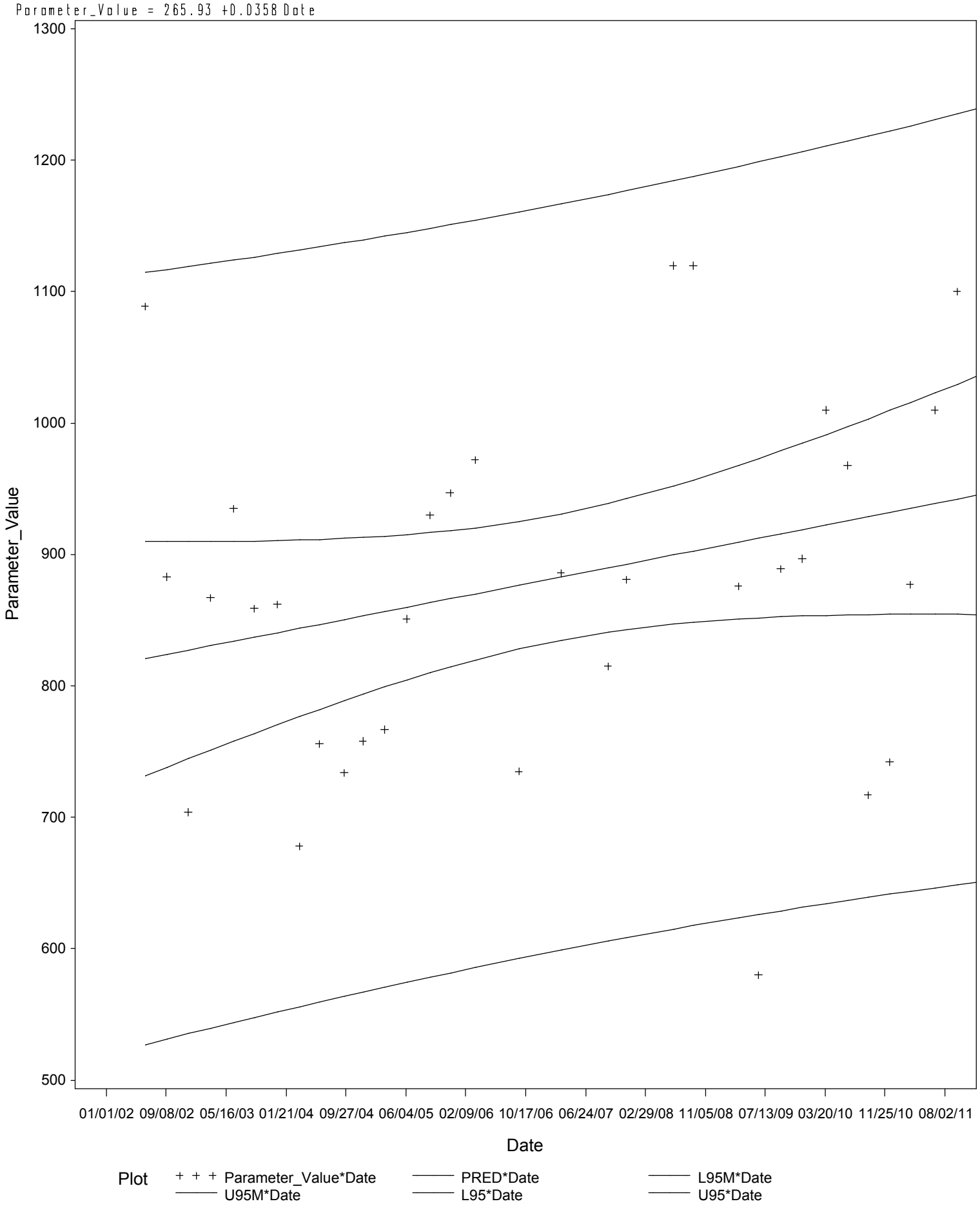


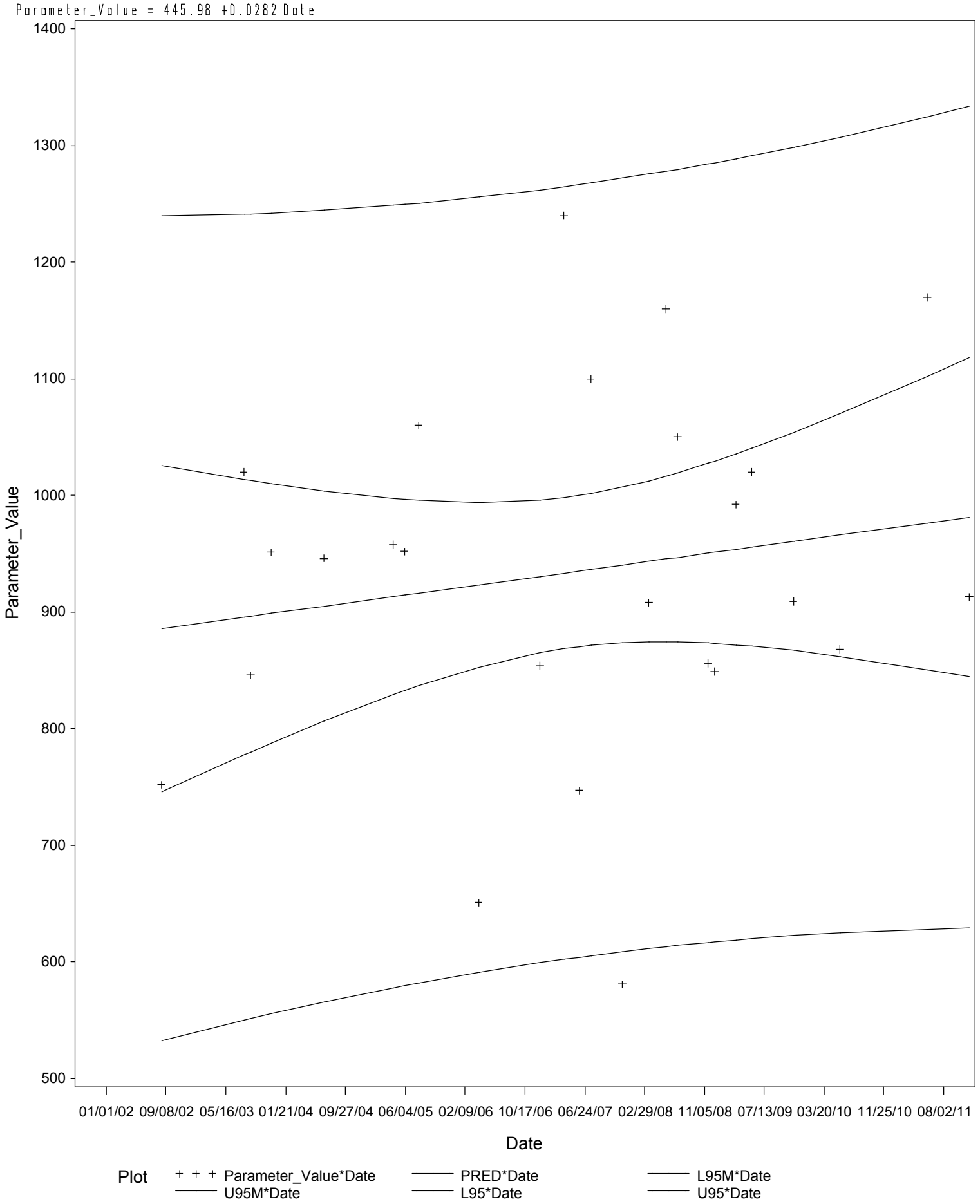
International Falcon Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13189

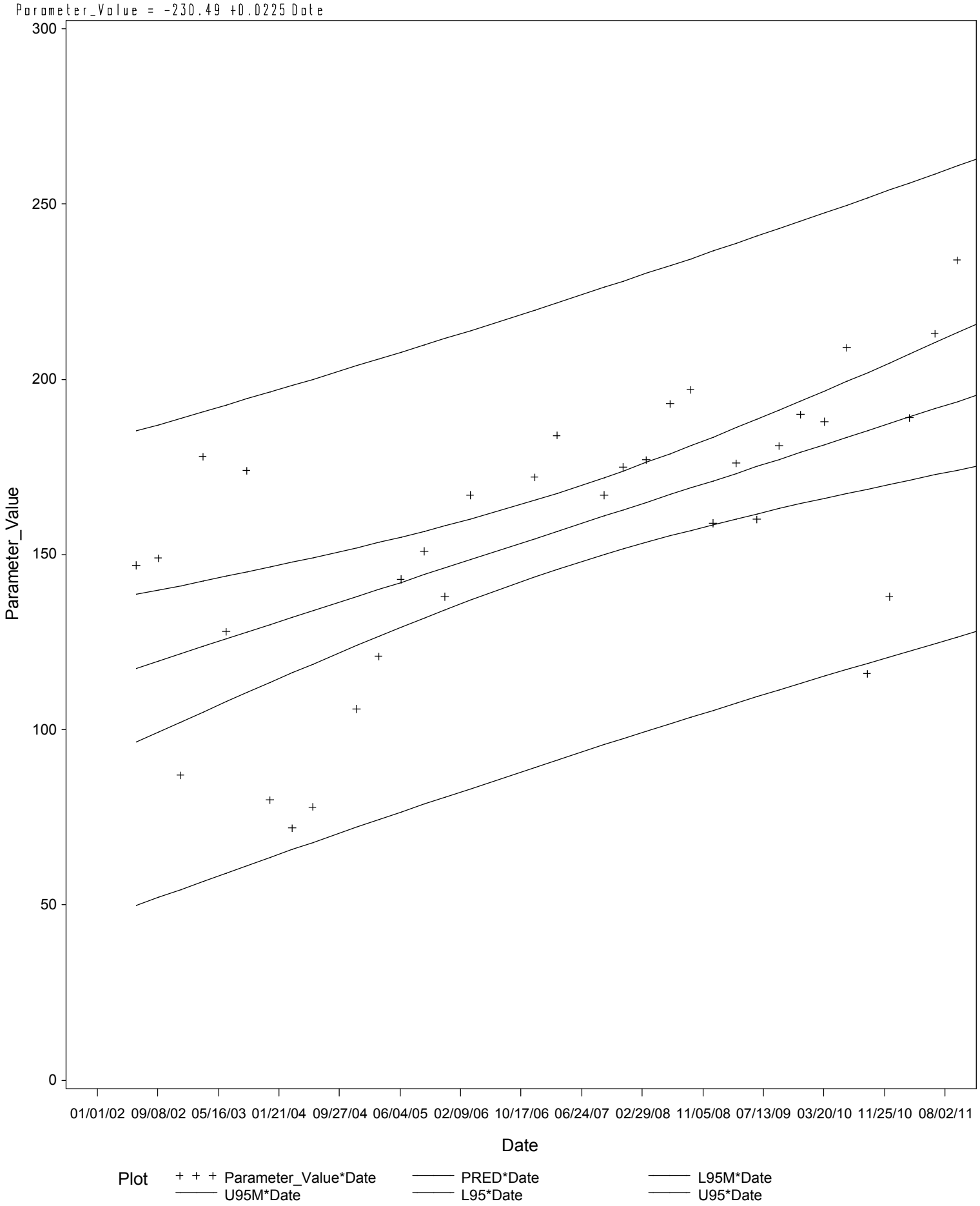


International Falcon Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15818



International Falcon Reservoir
Parameter=SULFATE (MG/L AS SO4) Station=13189



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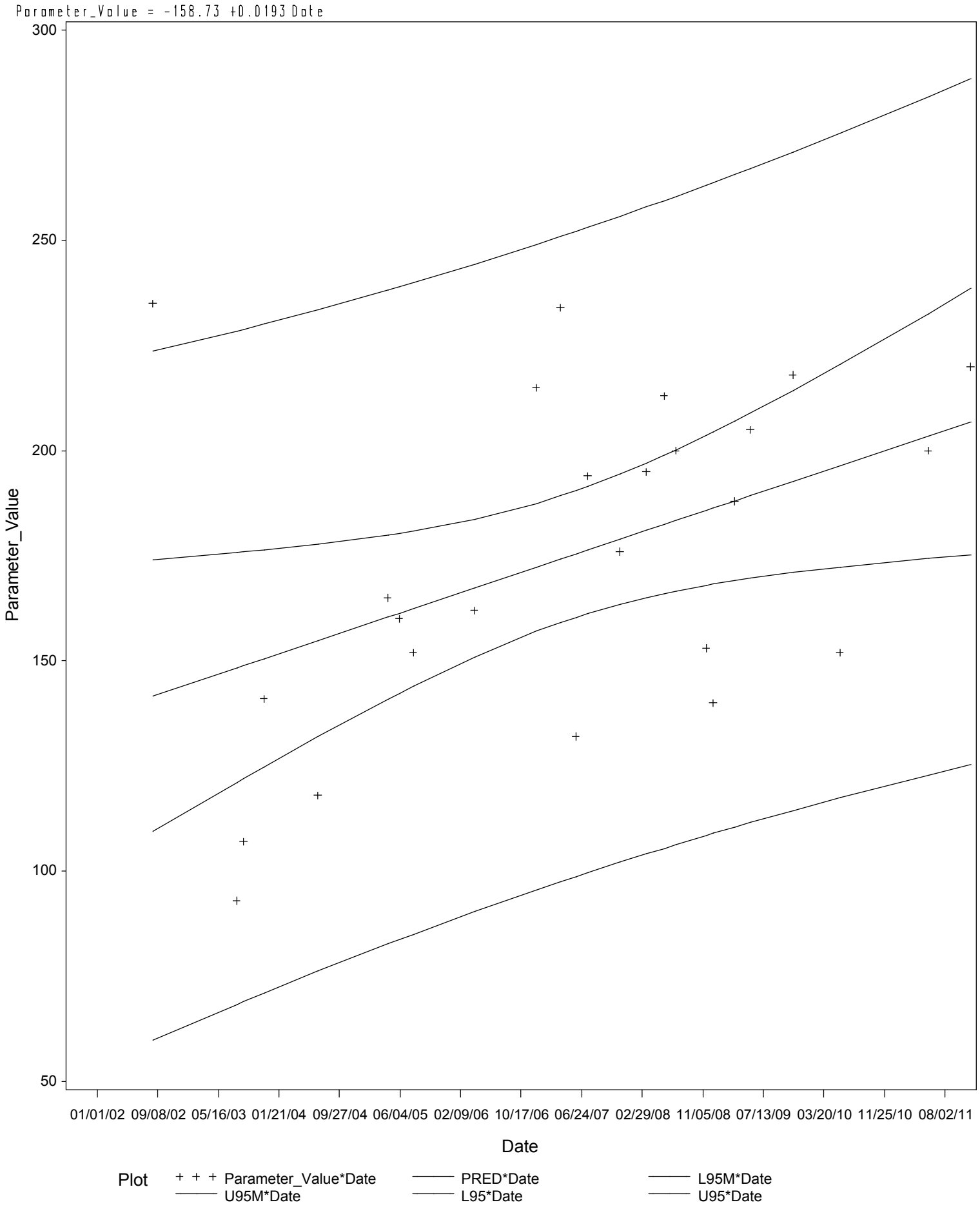
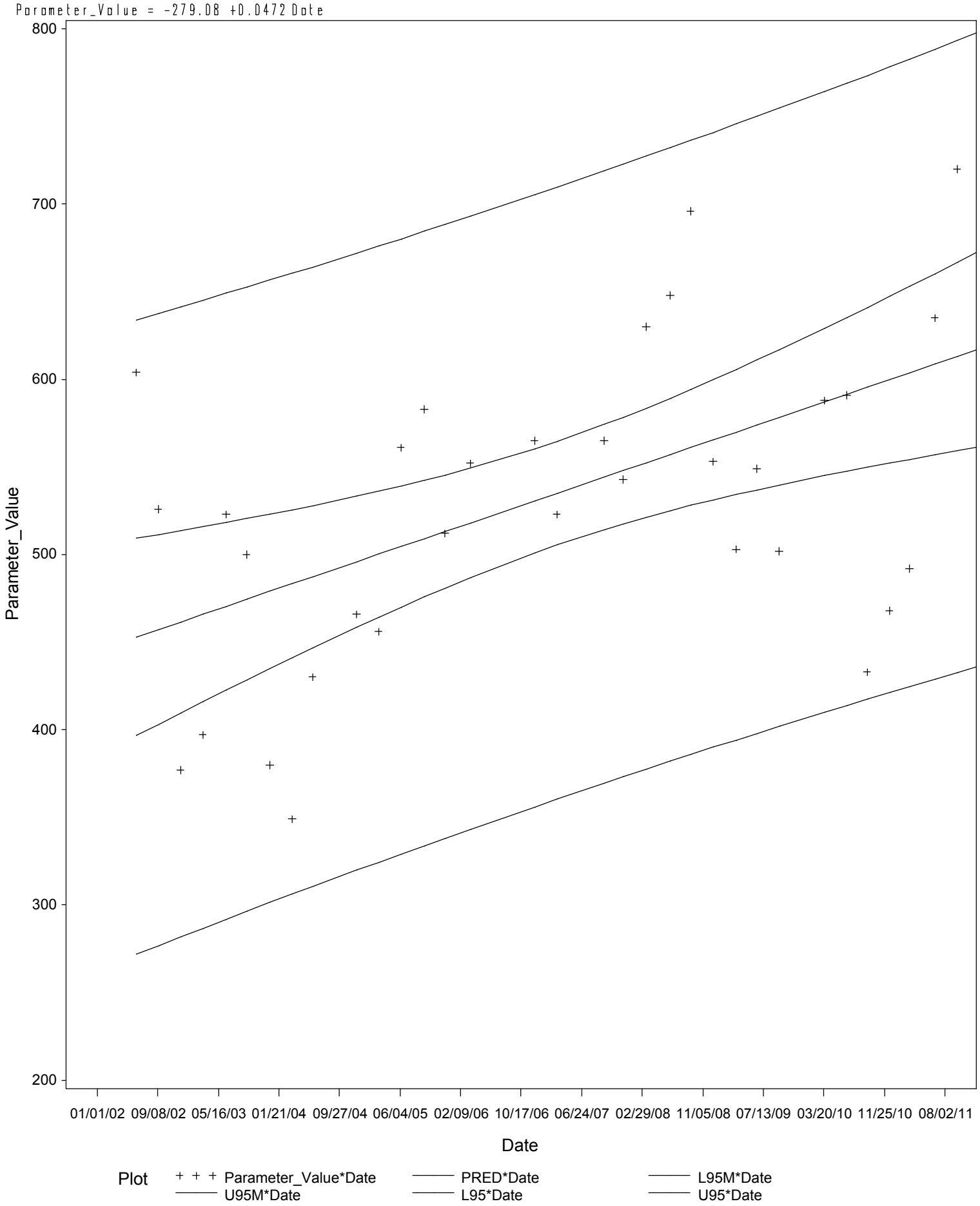
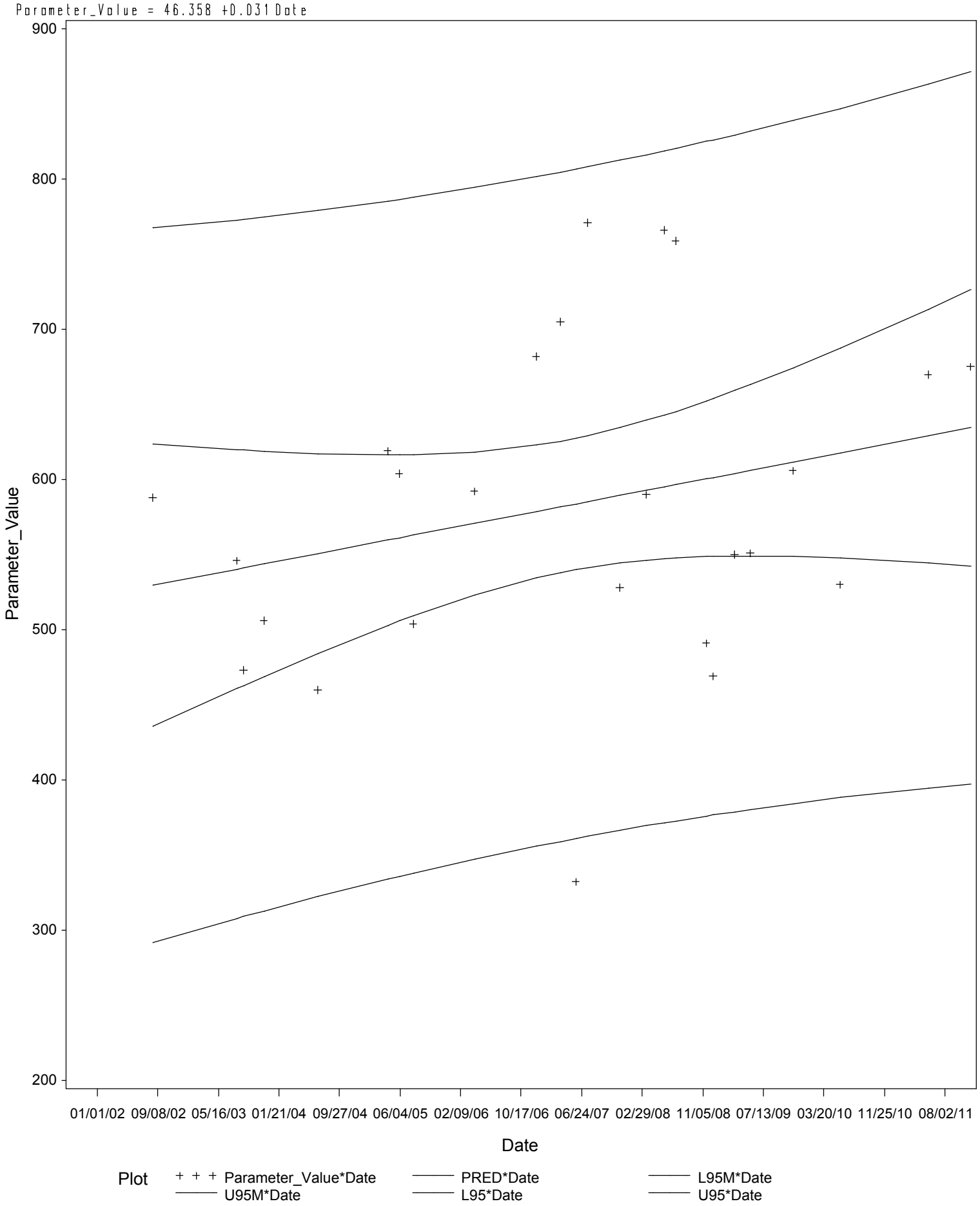
Parameter=SULFATE (MG/L AS SO4) Station=15818



International Falcon Reservoir
Parameter=TDS (MG/L) Station=13189

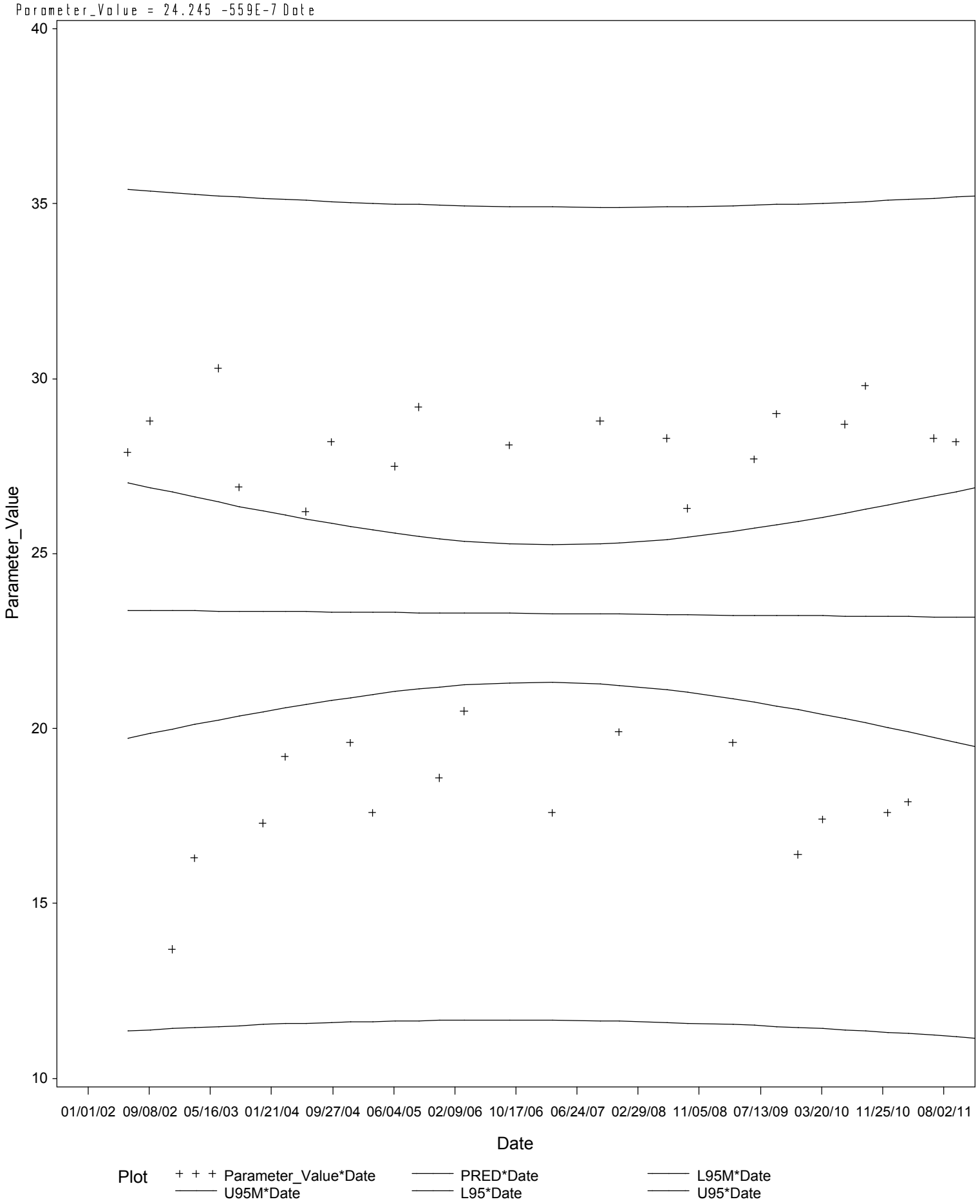


International Falcon Reservoir
Parameter=TDS (MG/L) Station=15818



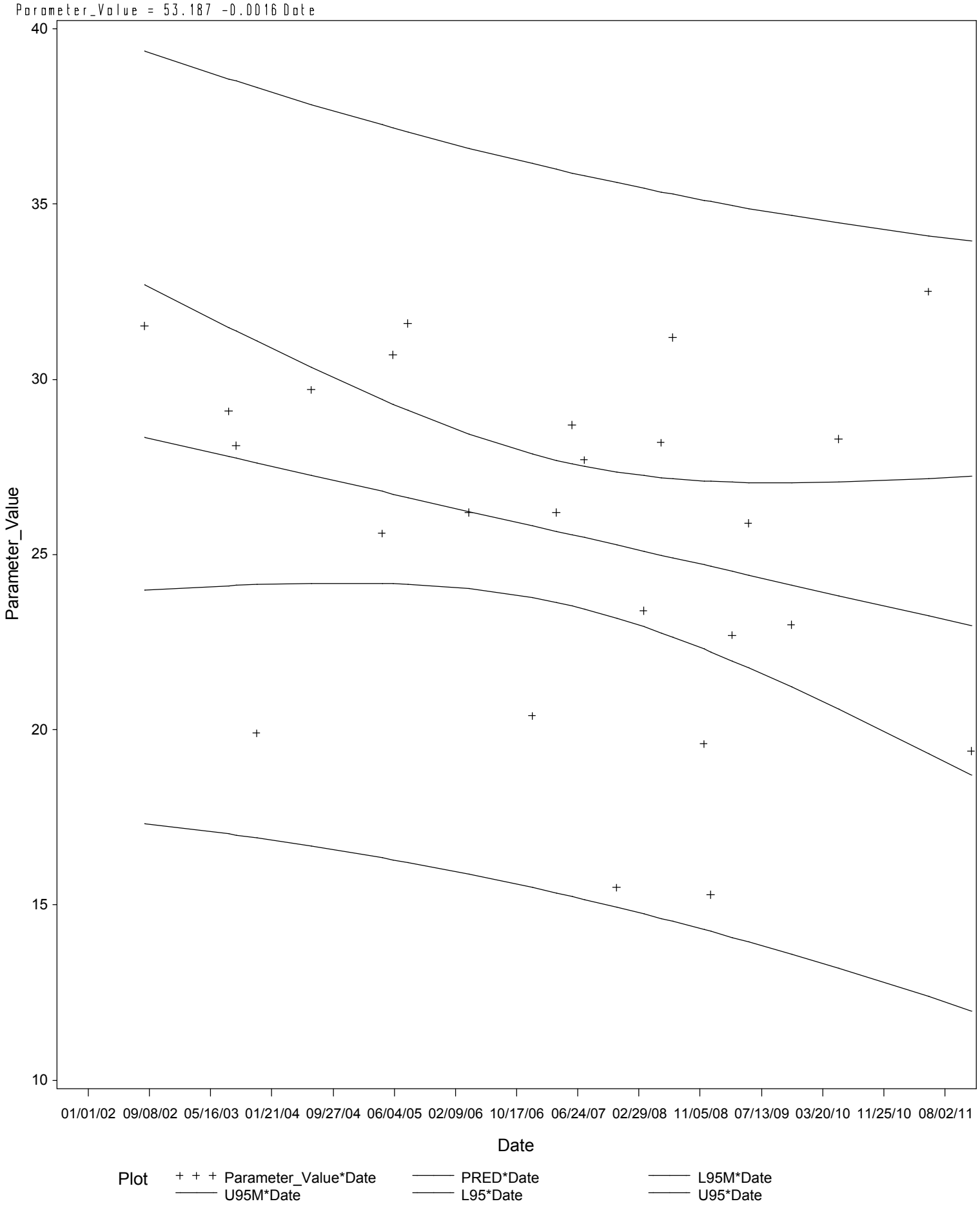
International Falcon Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13189



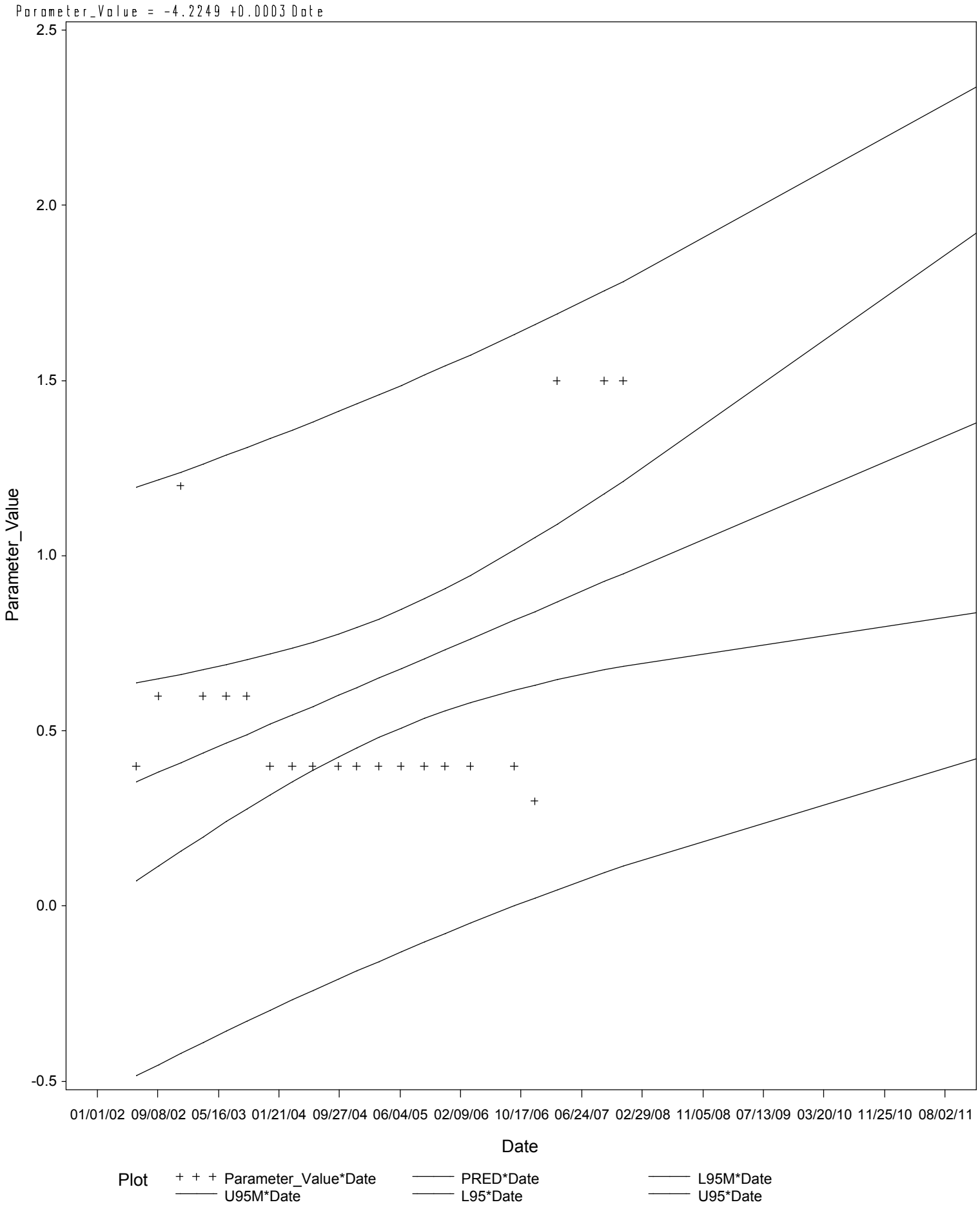
International Falcon Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15818

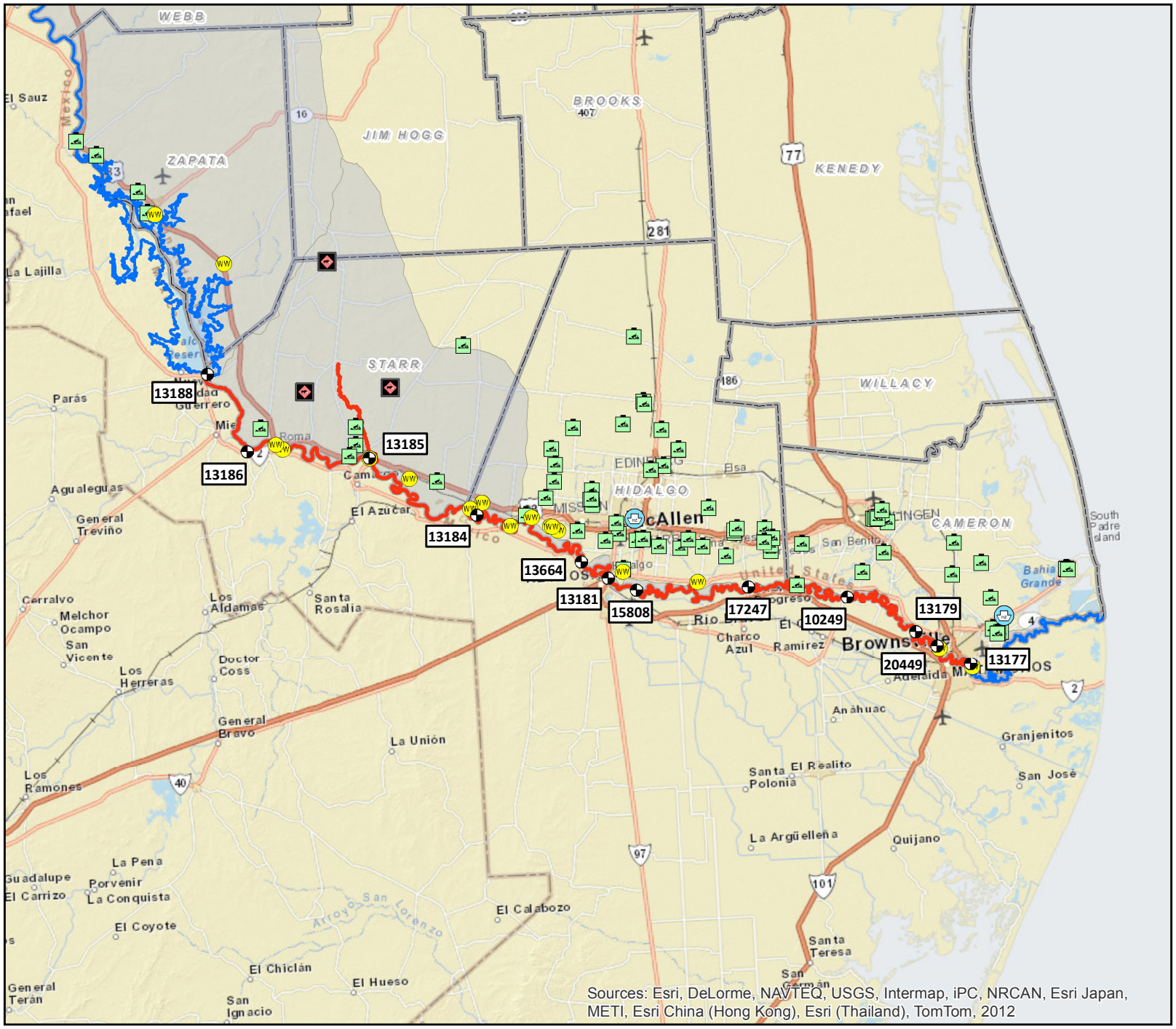


International Falcon Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13189



13. Lower Rio Grande Segment 2302



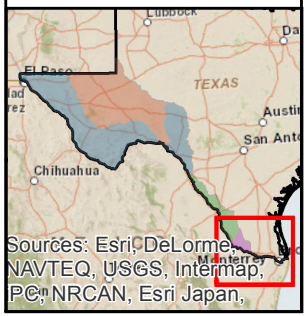
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Lower Rio Grande
Segment ID: 2302, 2302A
Name: Rio Grande Below Falcon Reservoir

LEGEND

- Monitoring Station (12)
- Wastewater Outfall (17)
- Hazardous Waste (2)
- Concentrated Animal Feedlot Operations (3)
- Landfill (84)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



0 10 20 MILES

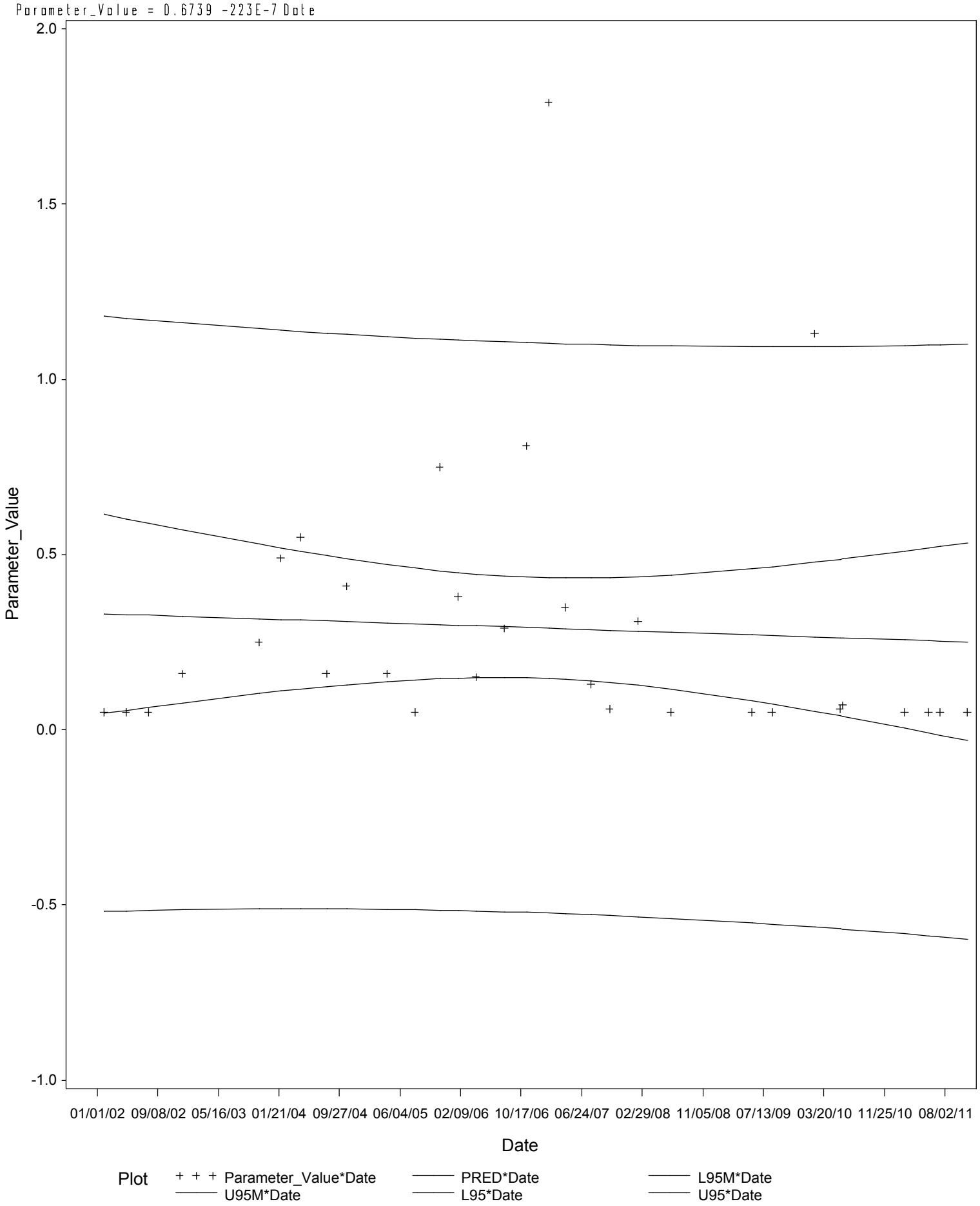
N

HDR ENVIRONMENTAL, OPERATIONS AND CONSTRUCTION, INC
184 CREEKSIDE PARK, SUITE 100
SPRING BRANCH, TX 78070-6230
210.253.6528

AUG 2013

Rio Grande Below Falcon Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=10249



Rio Grande Below Falcon Reservoir

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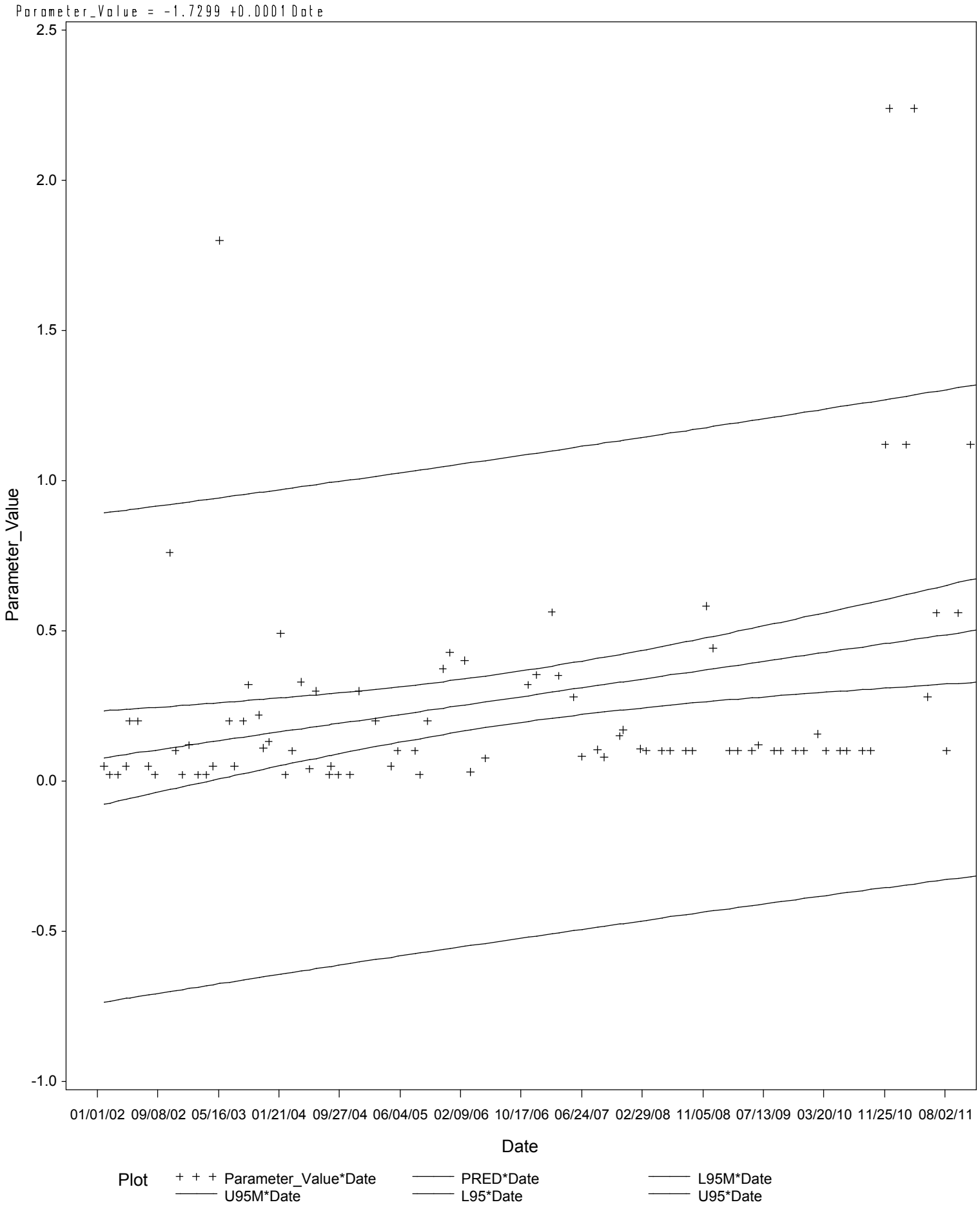

Rio Grande Below Falcon Reservoir

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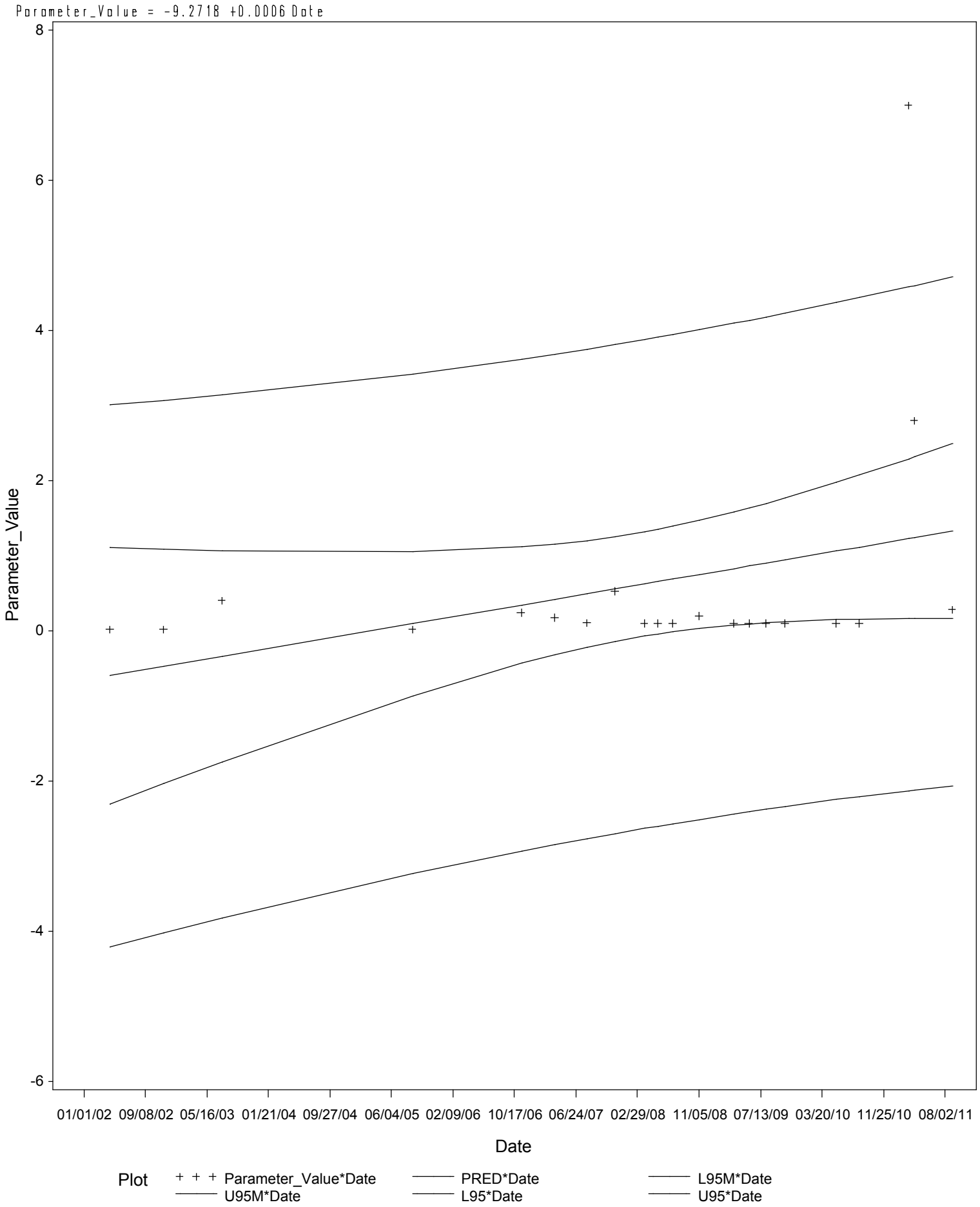
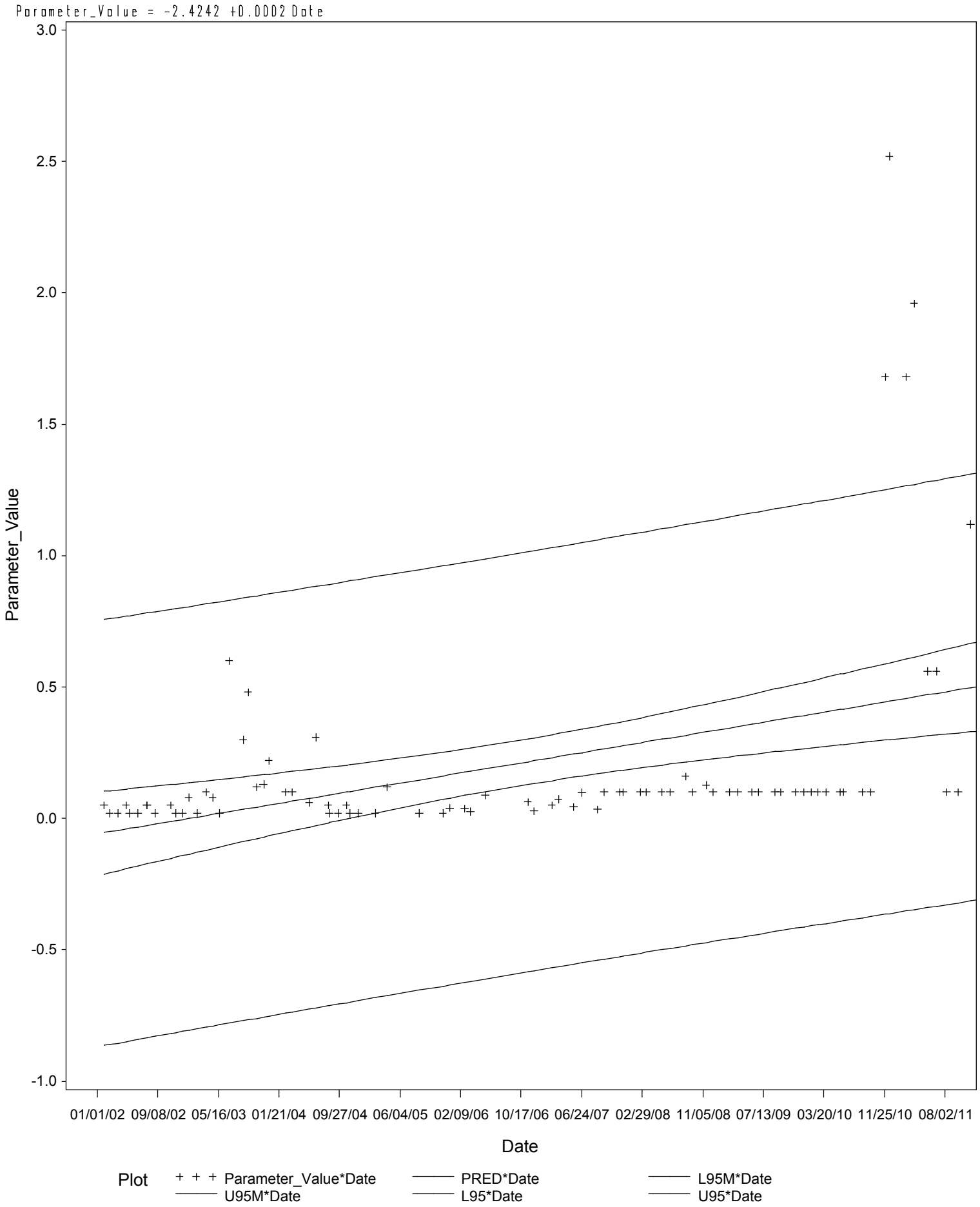


Rio Grande Below Falcon Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13181



Rio Grande Below Falcon Reservoir

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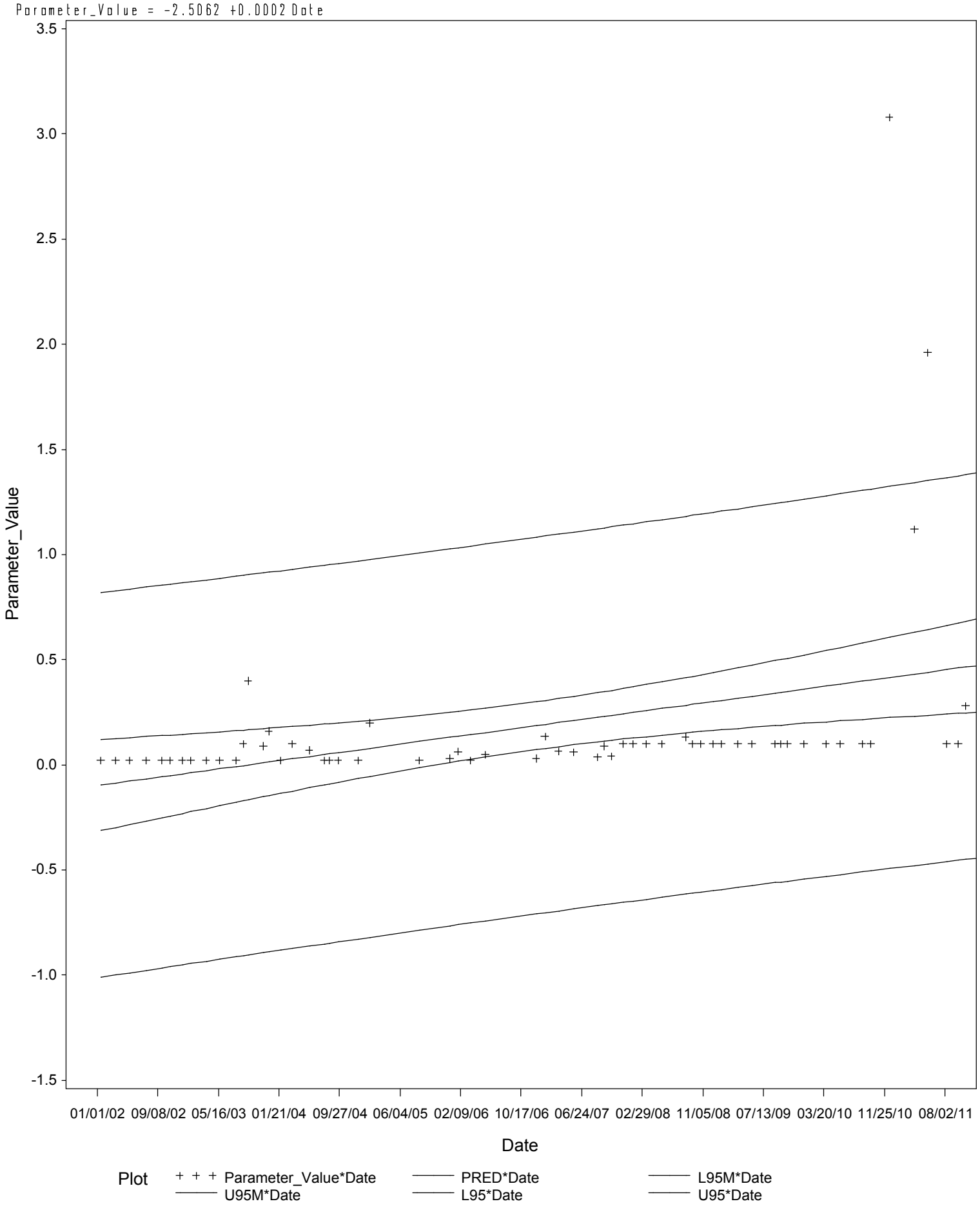

Rio Grande Below Falcon Reservoir

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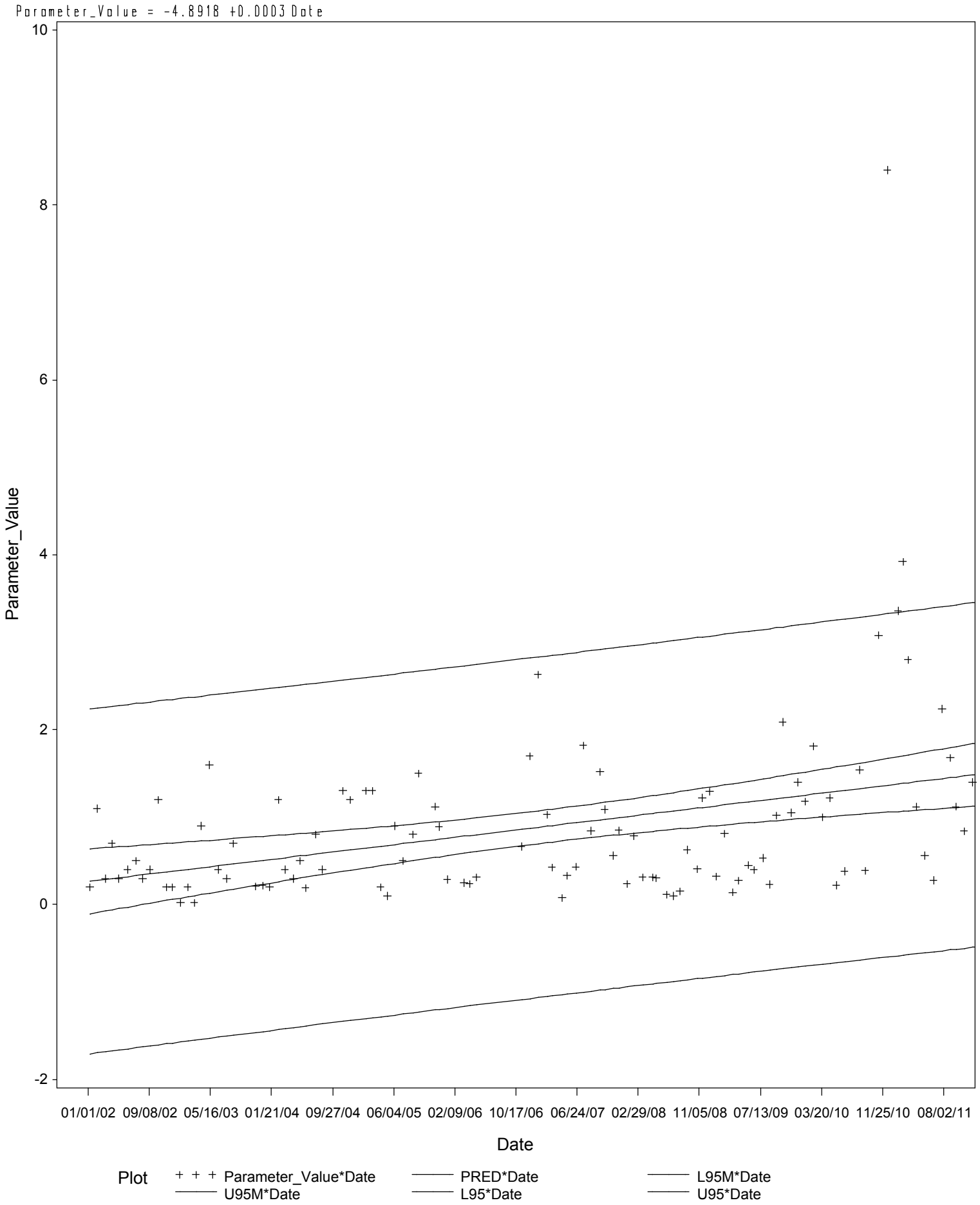

Rio Grande Below Falcon Reservoir

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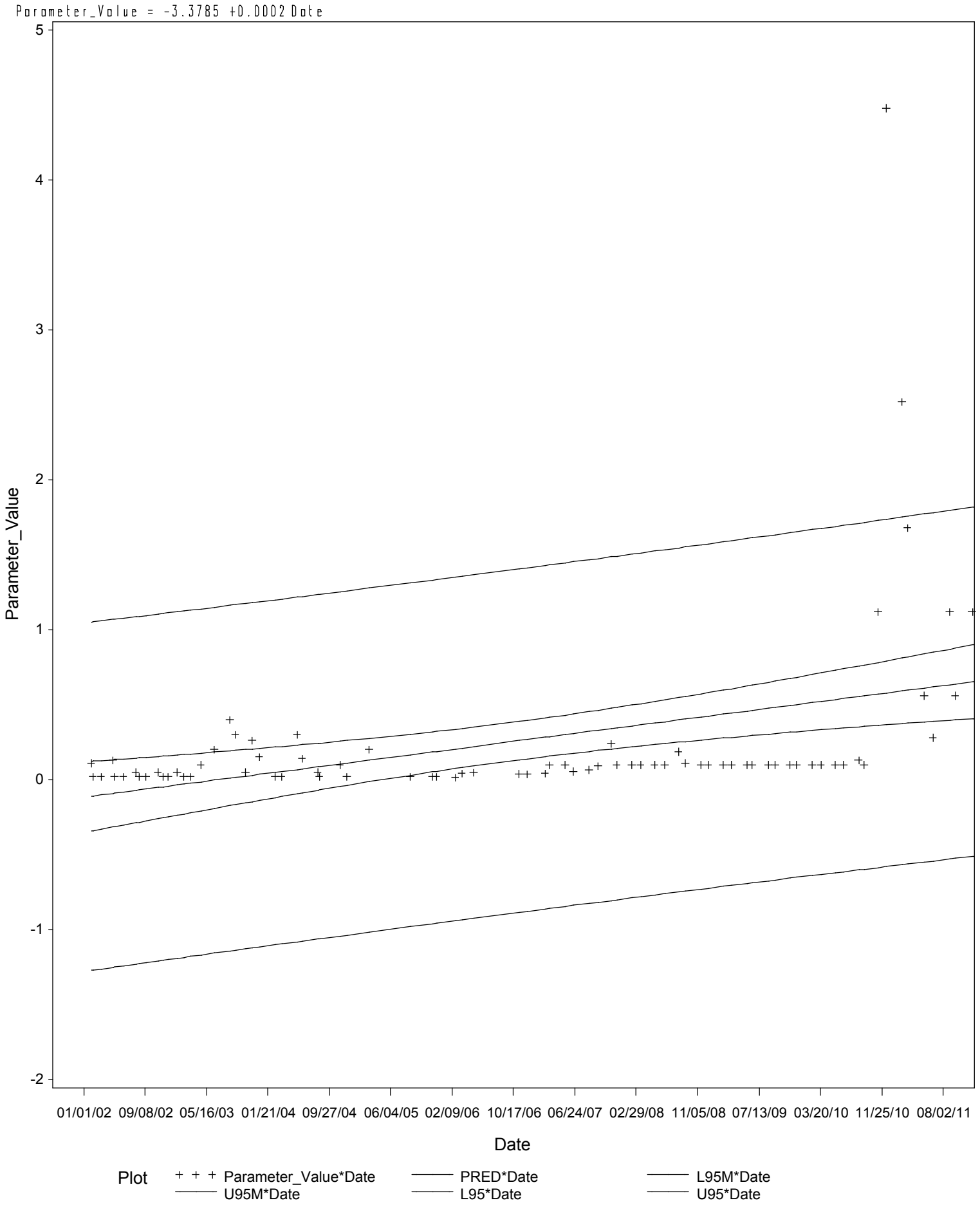

Rio Grande Below Falcon Reservoir

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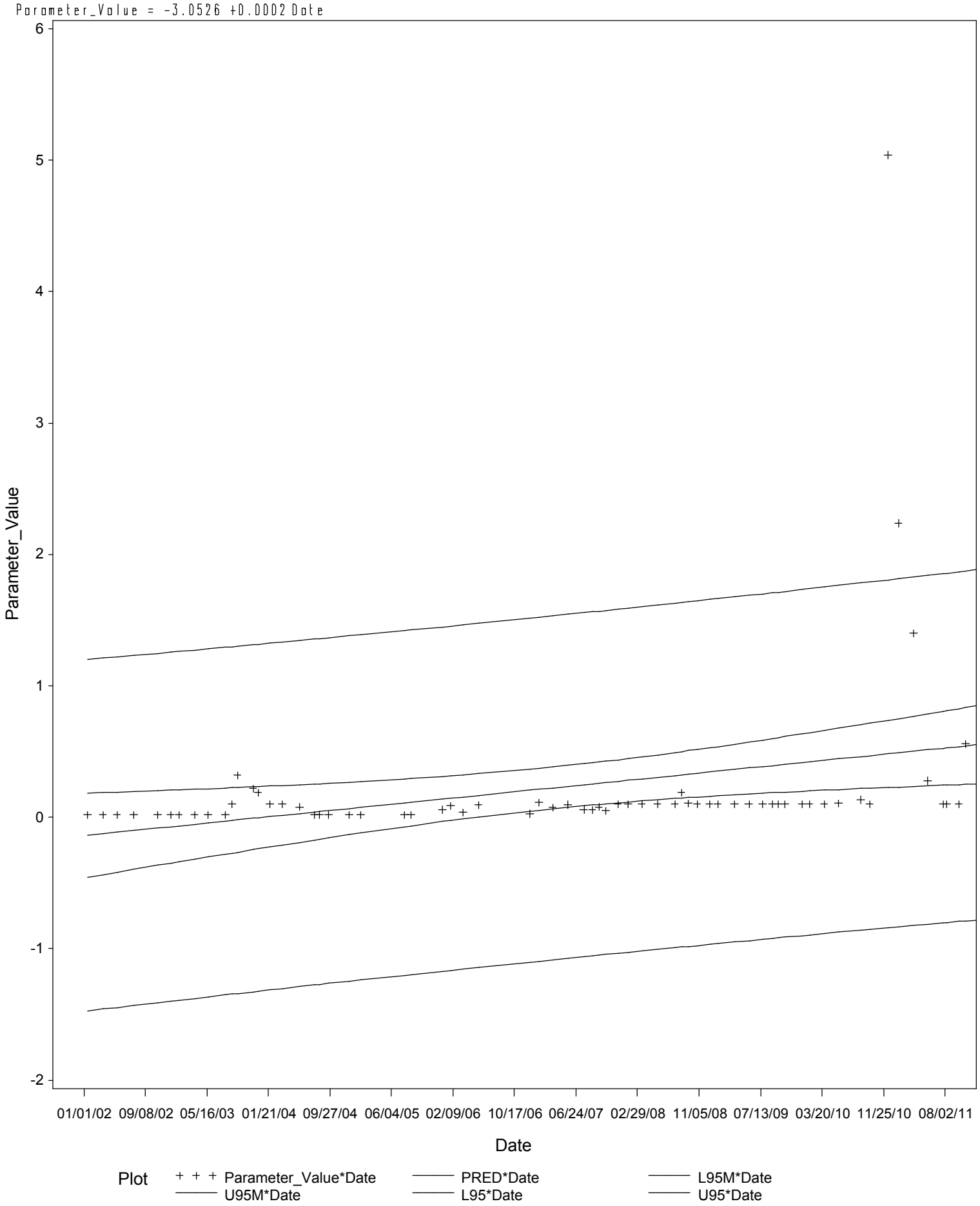
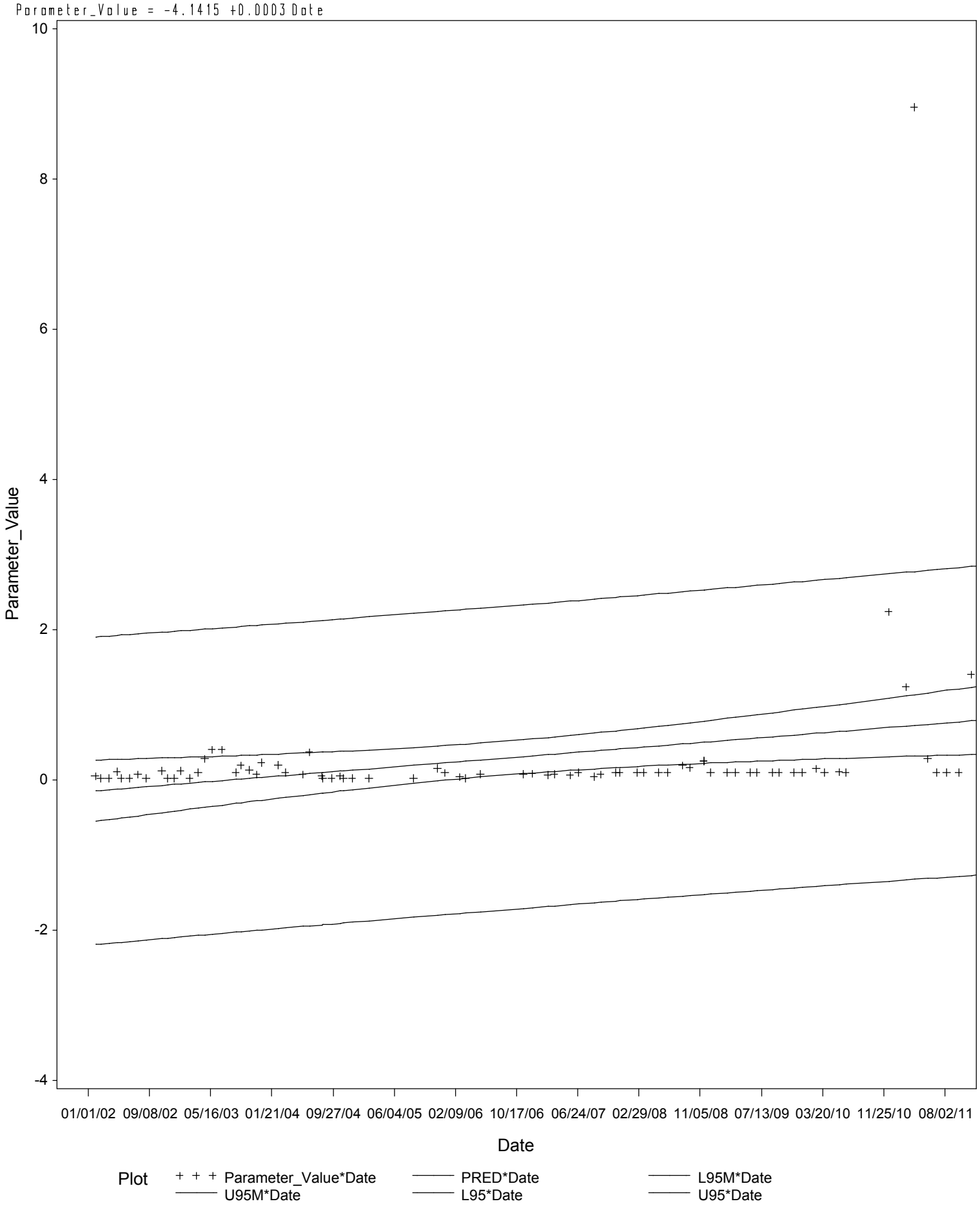


Rio Grande Below Falcon Reservoir

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=15808



Rio Grande Below Falcon Reservoir

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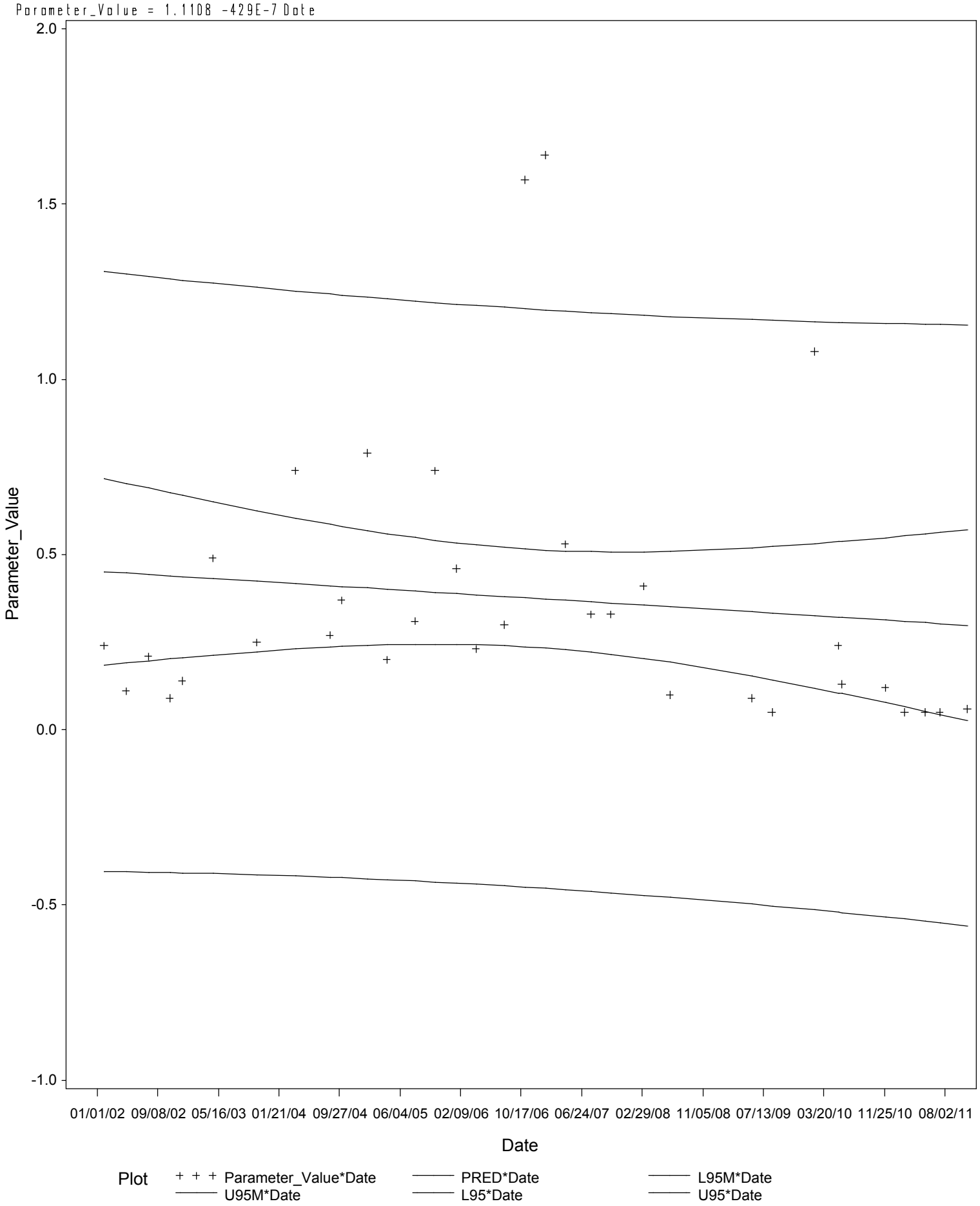

Rio Grande Below Falcon Reservoir

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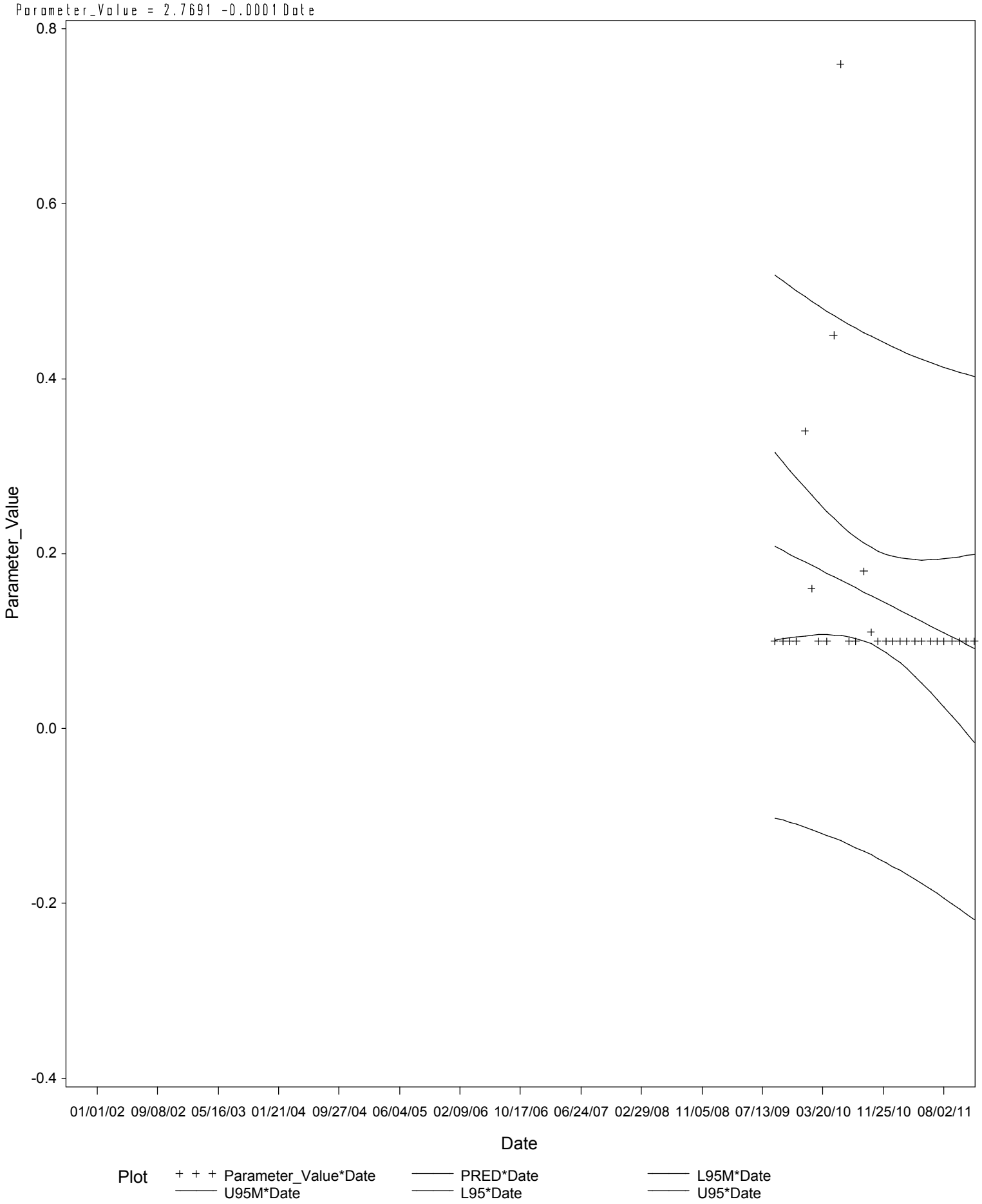
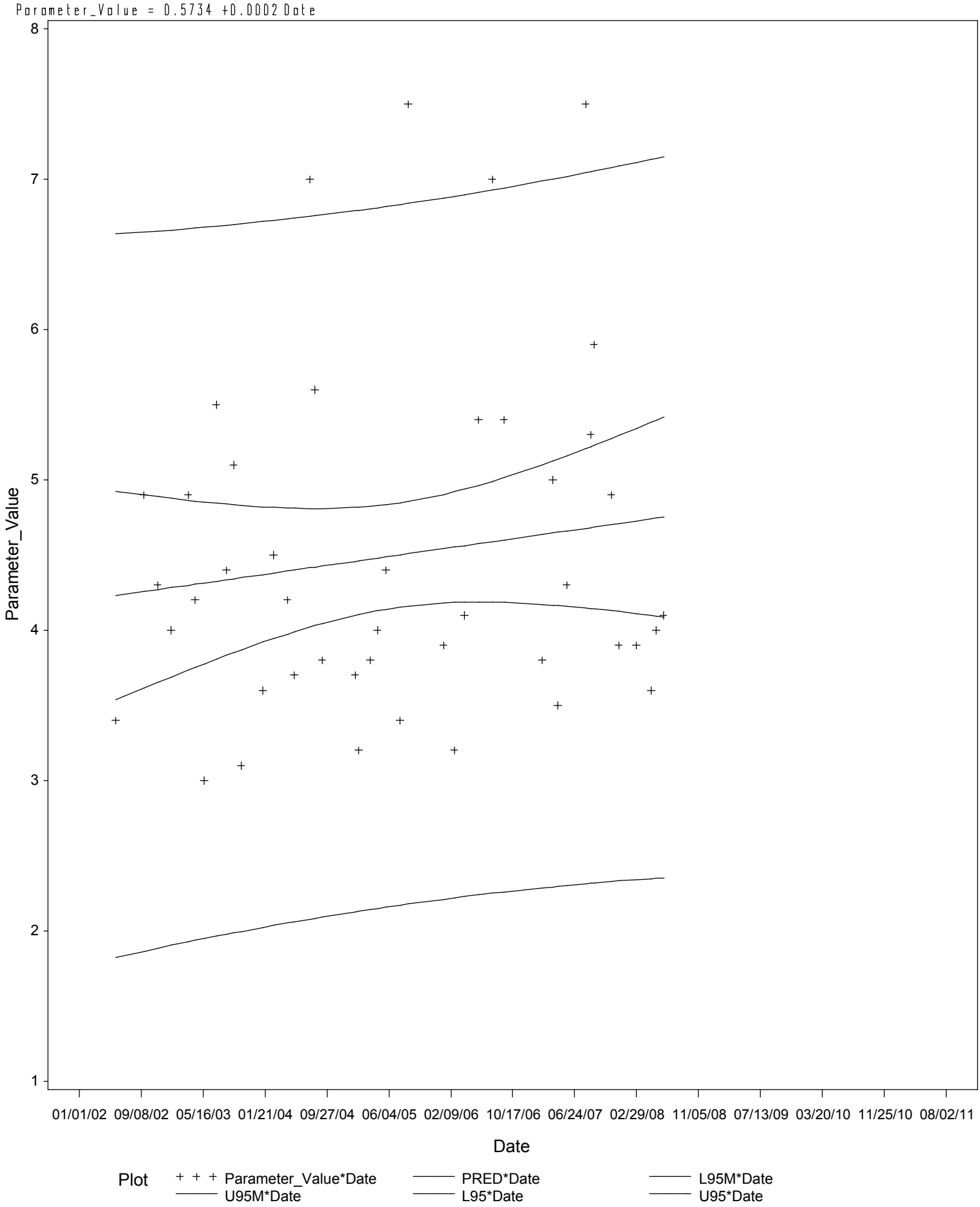


Rio Grande Below Falcon Reservoir

Parameter=ARSENIC, DISSOLVED (UG/L AS AS) Station=13177



Rio Grande Below Falcon Reservoir

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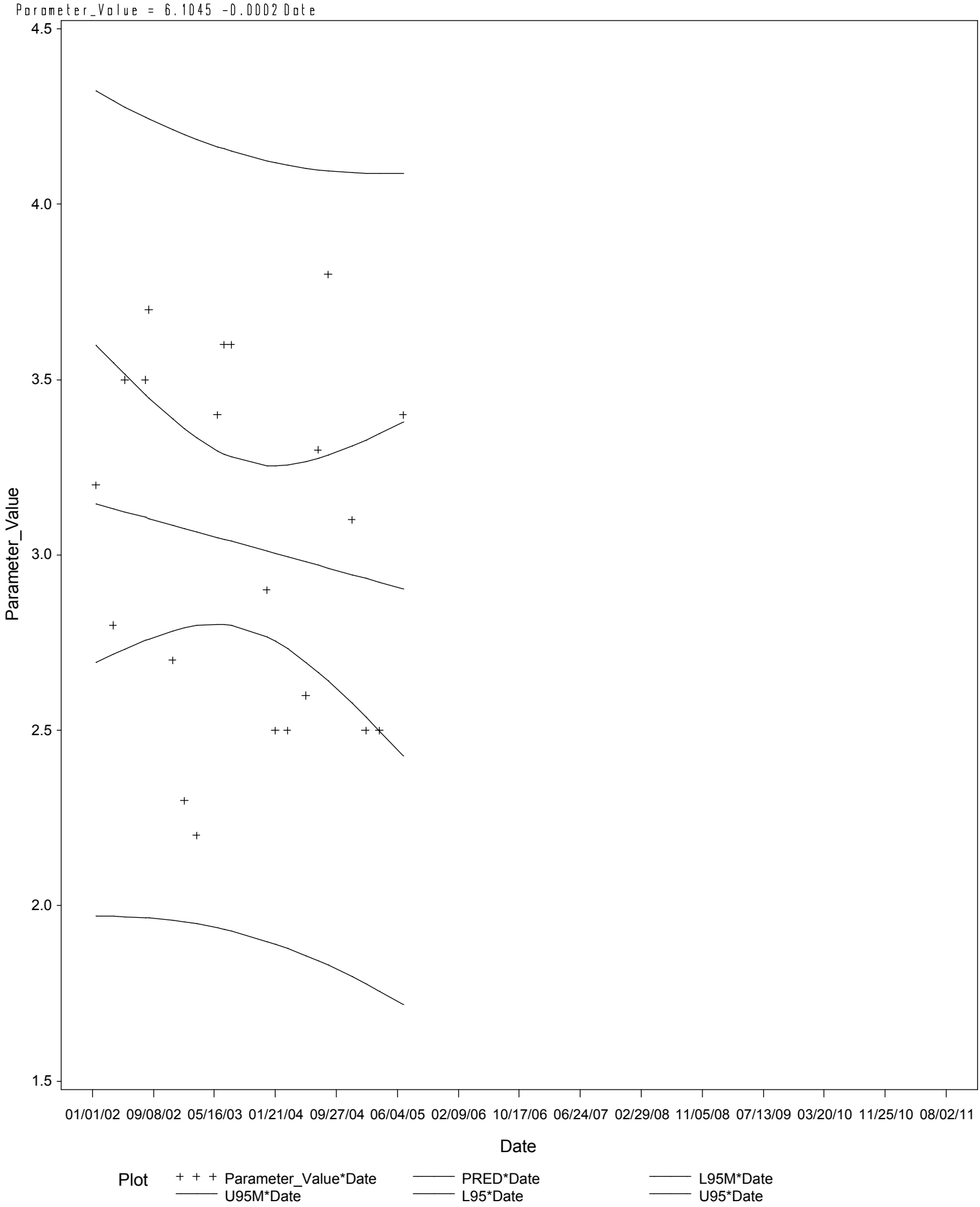
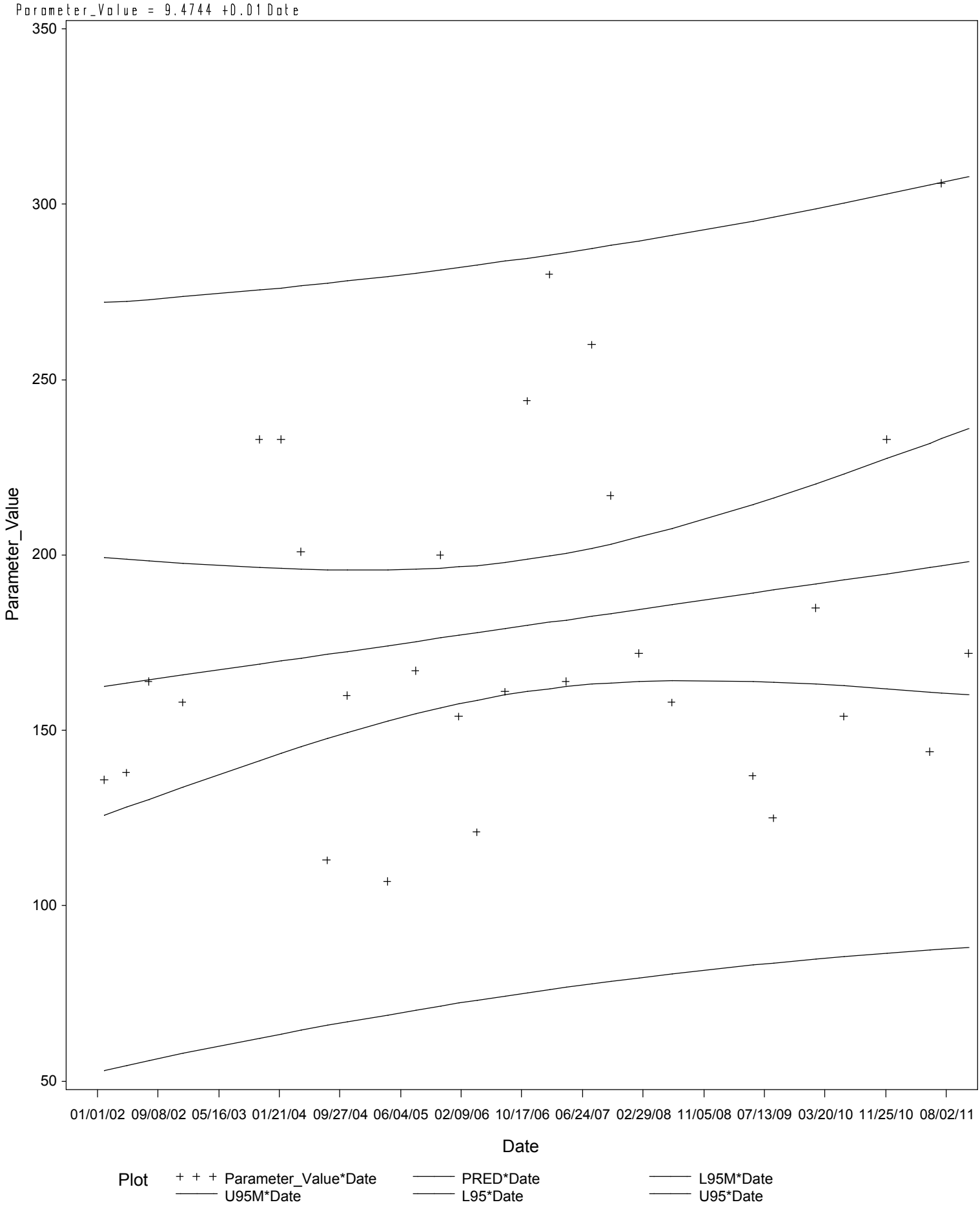


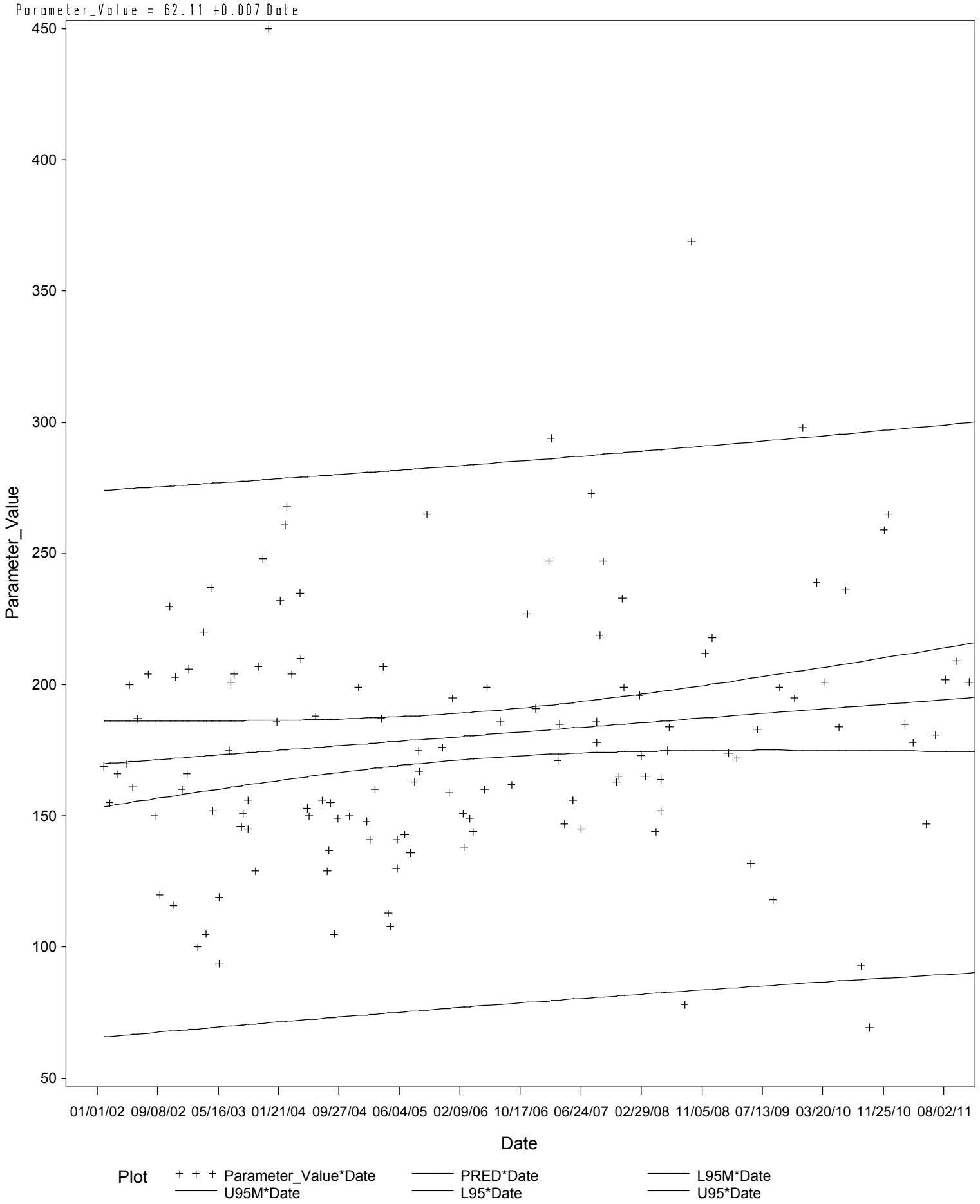
Rio Grande Below Falcon Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=10249



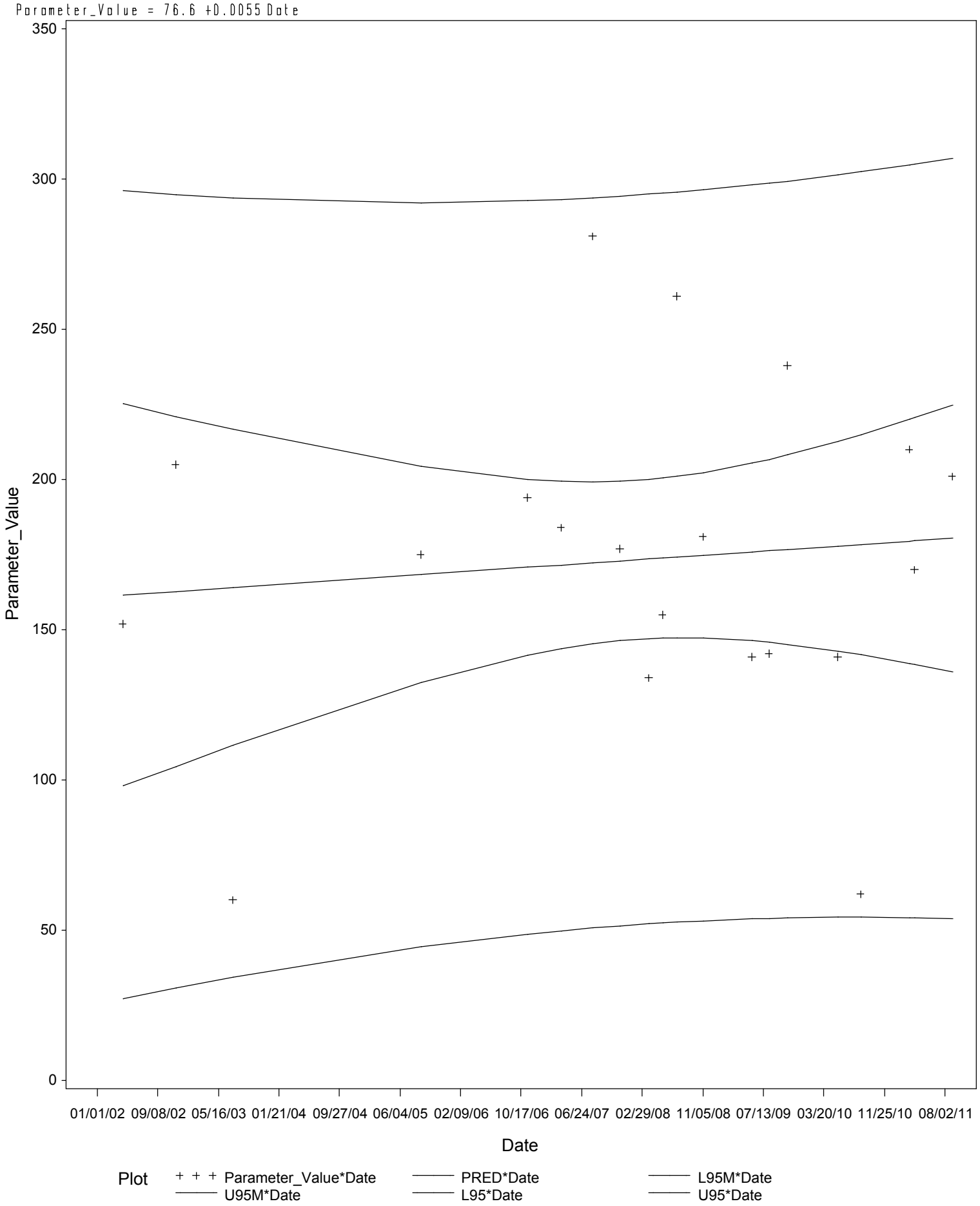
Rio Grande Below Falcon Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13177



Rio Grande Below Falcon Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13179



Rio Grande Below Falcon Reservoir

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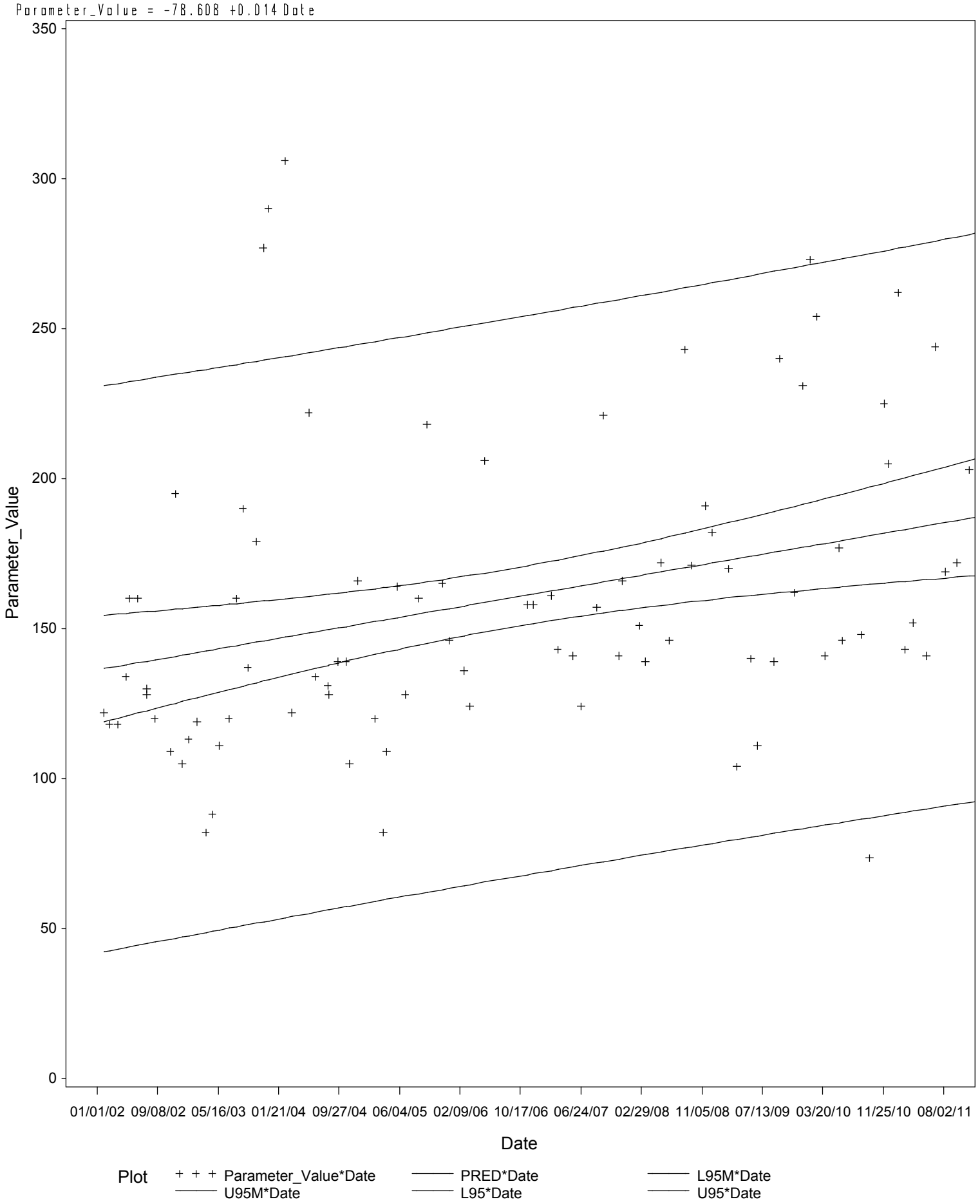

Rio Grande Below Falcon Reservoir

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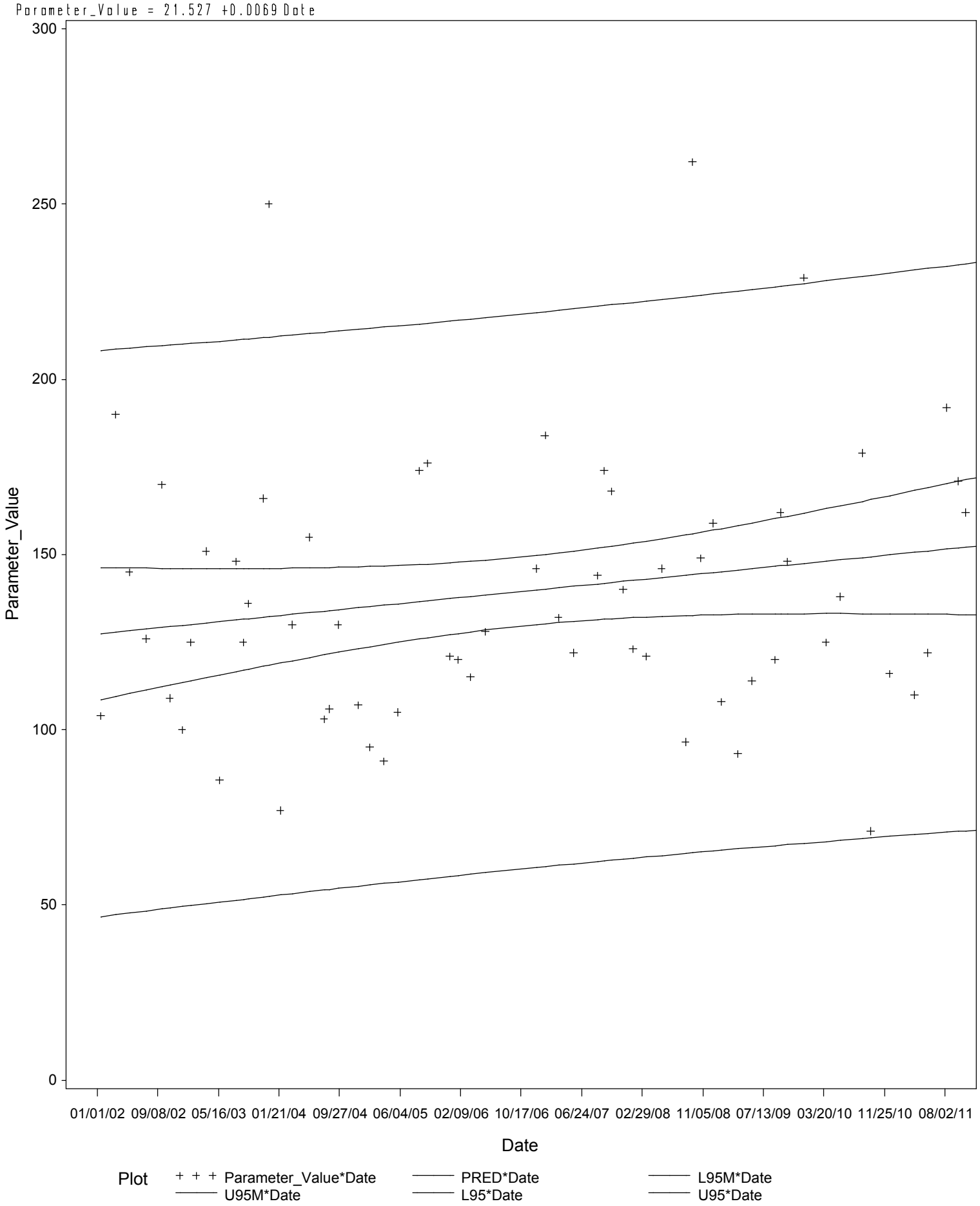

Rio Grande Below Falcon Reservoir

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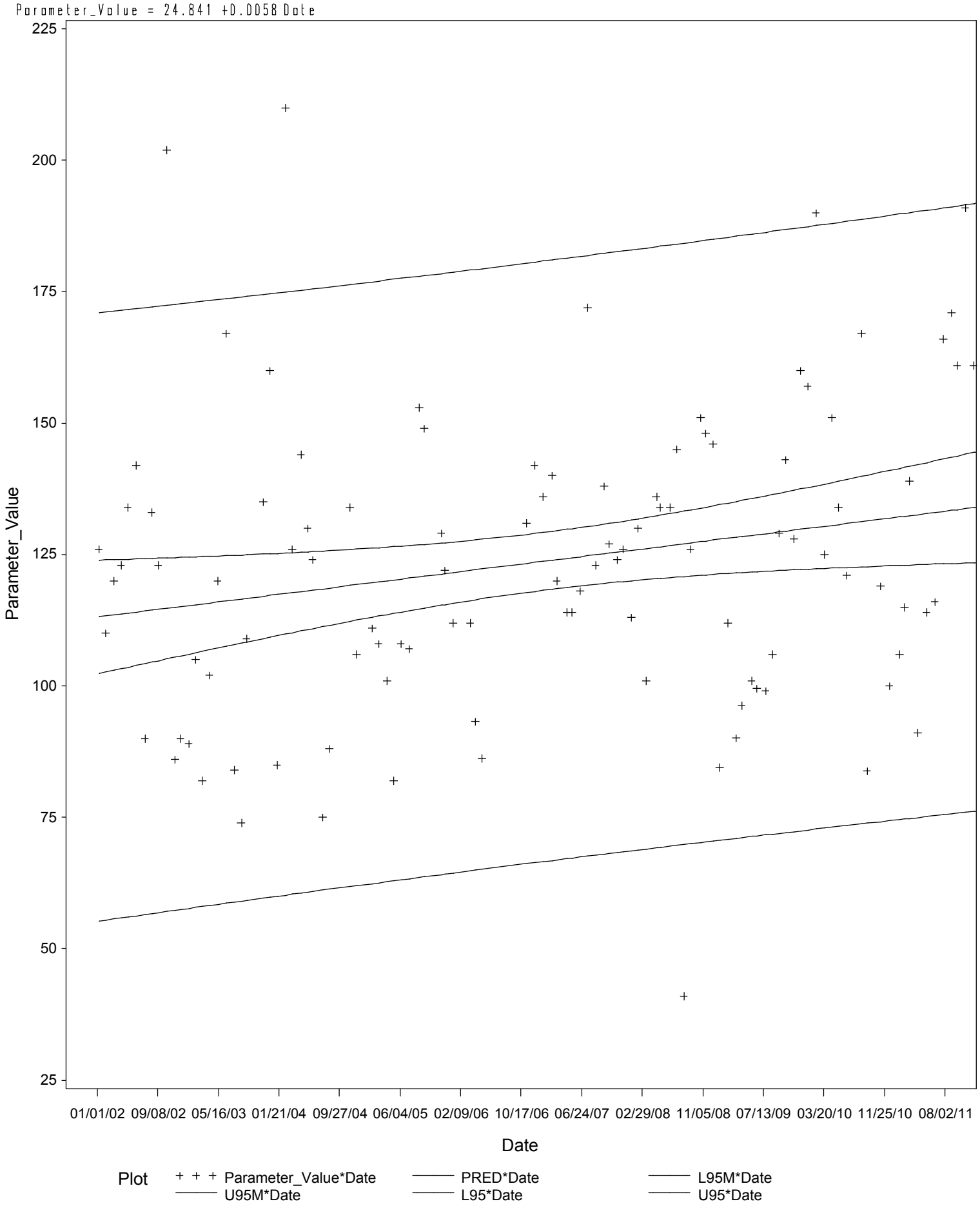

Rio Grande Below Falcon Reservoir

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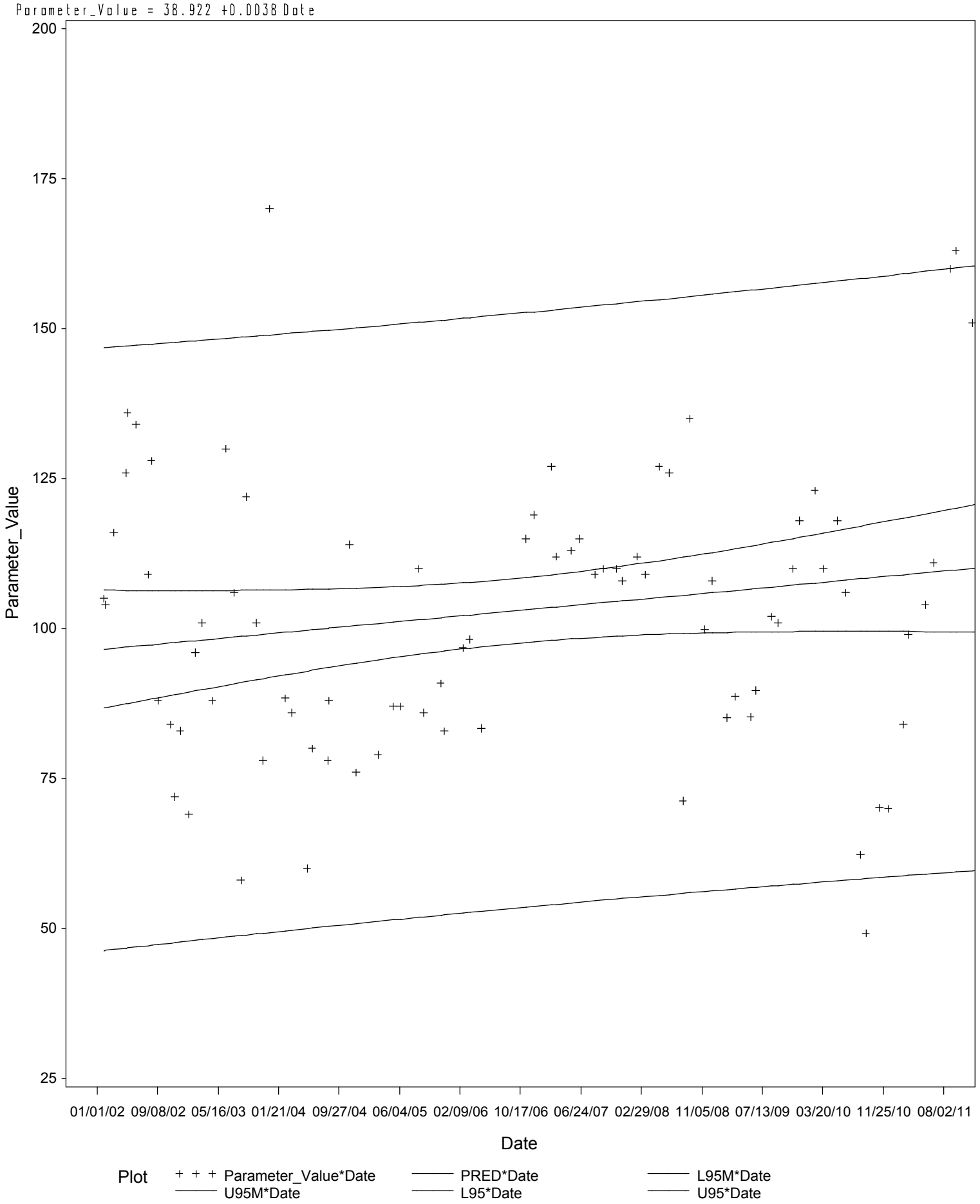
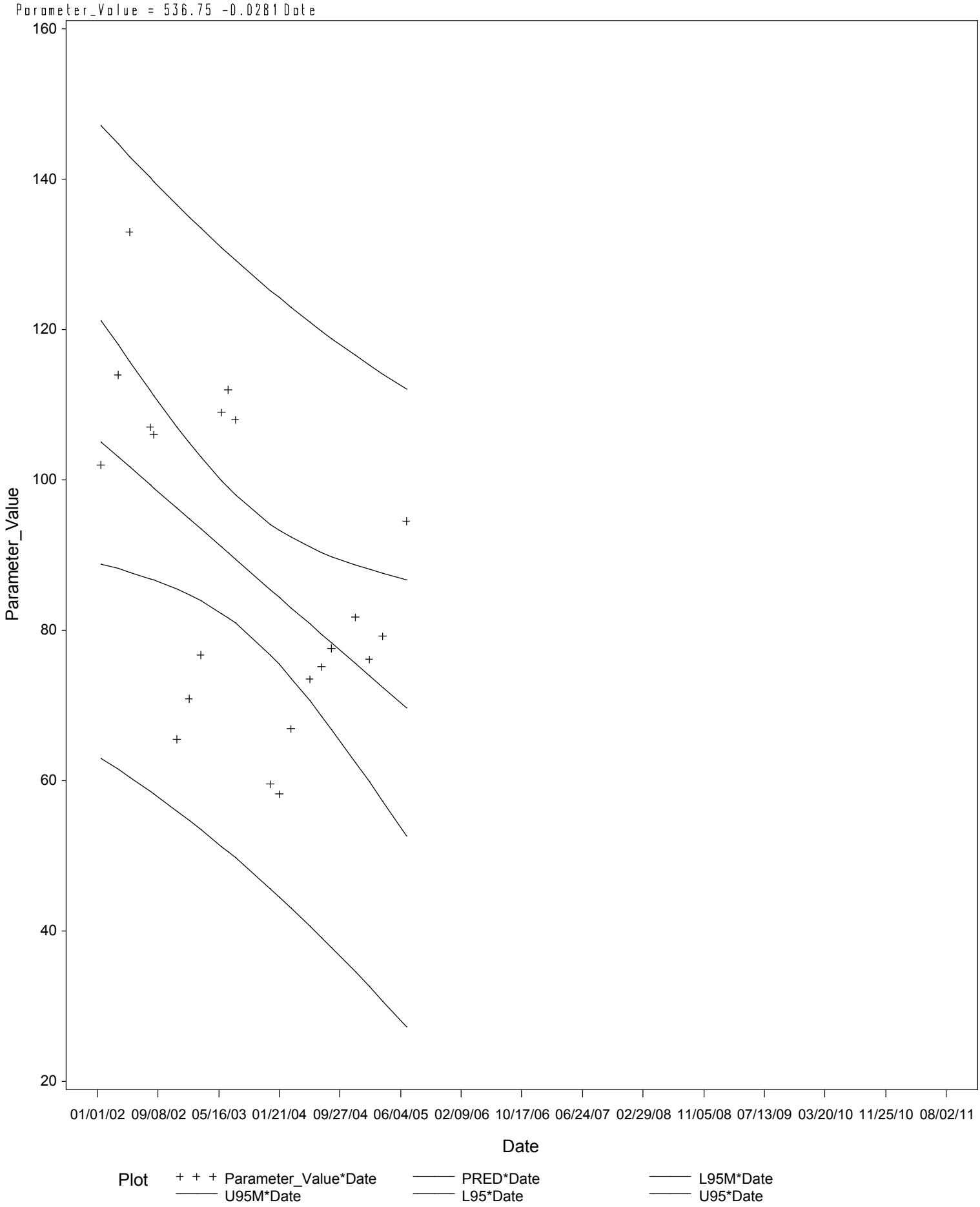


Rio Grande Below Falcon Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=13188



Rio Grande Below Falcon Reservoir

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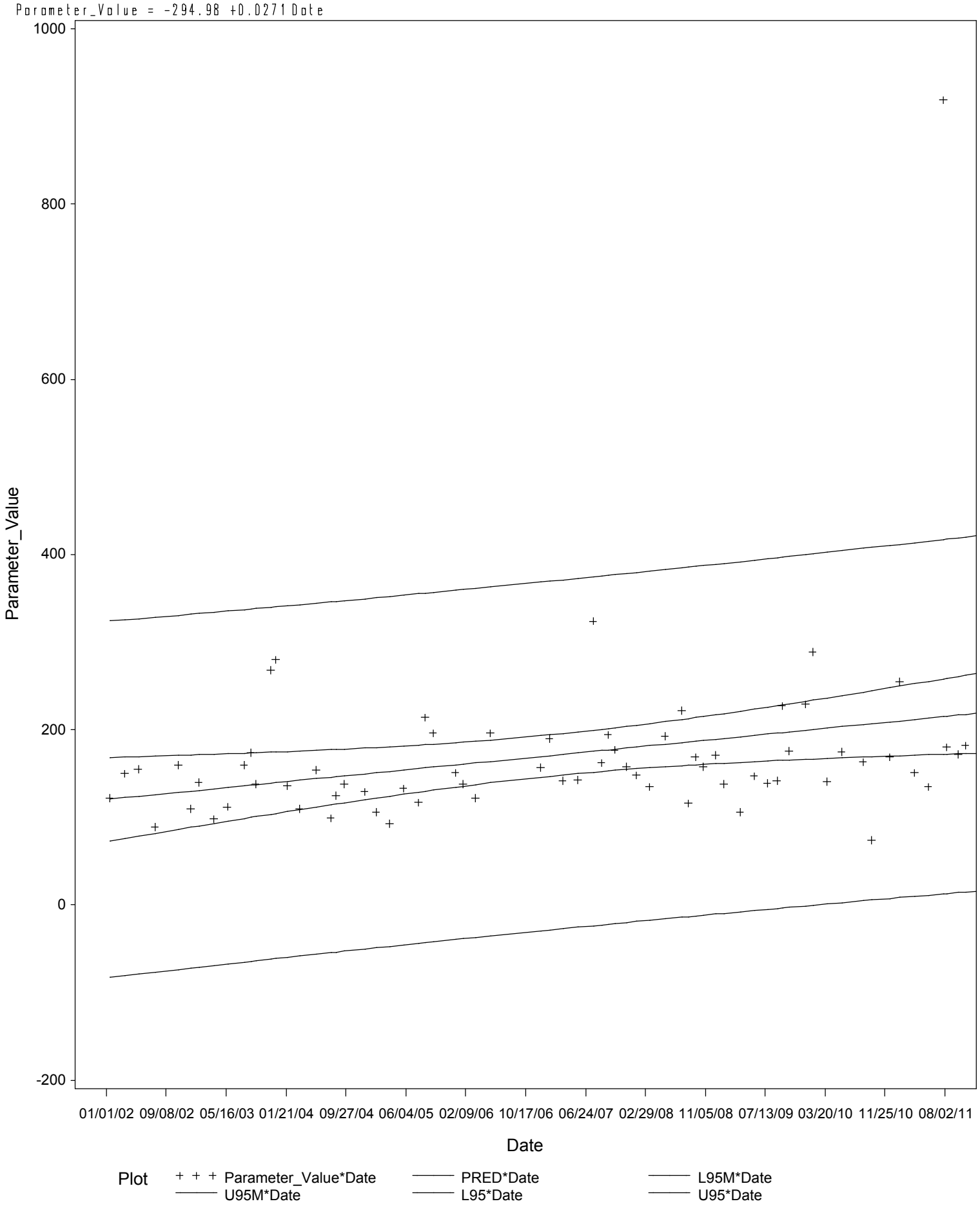

Rio Grande Below Falcon Reservoir

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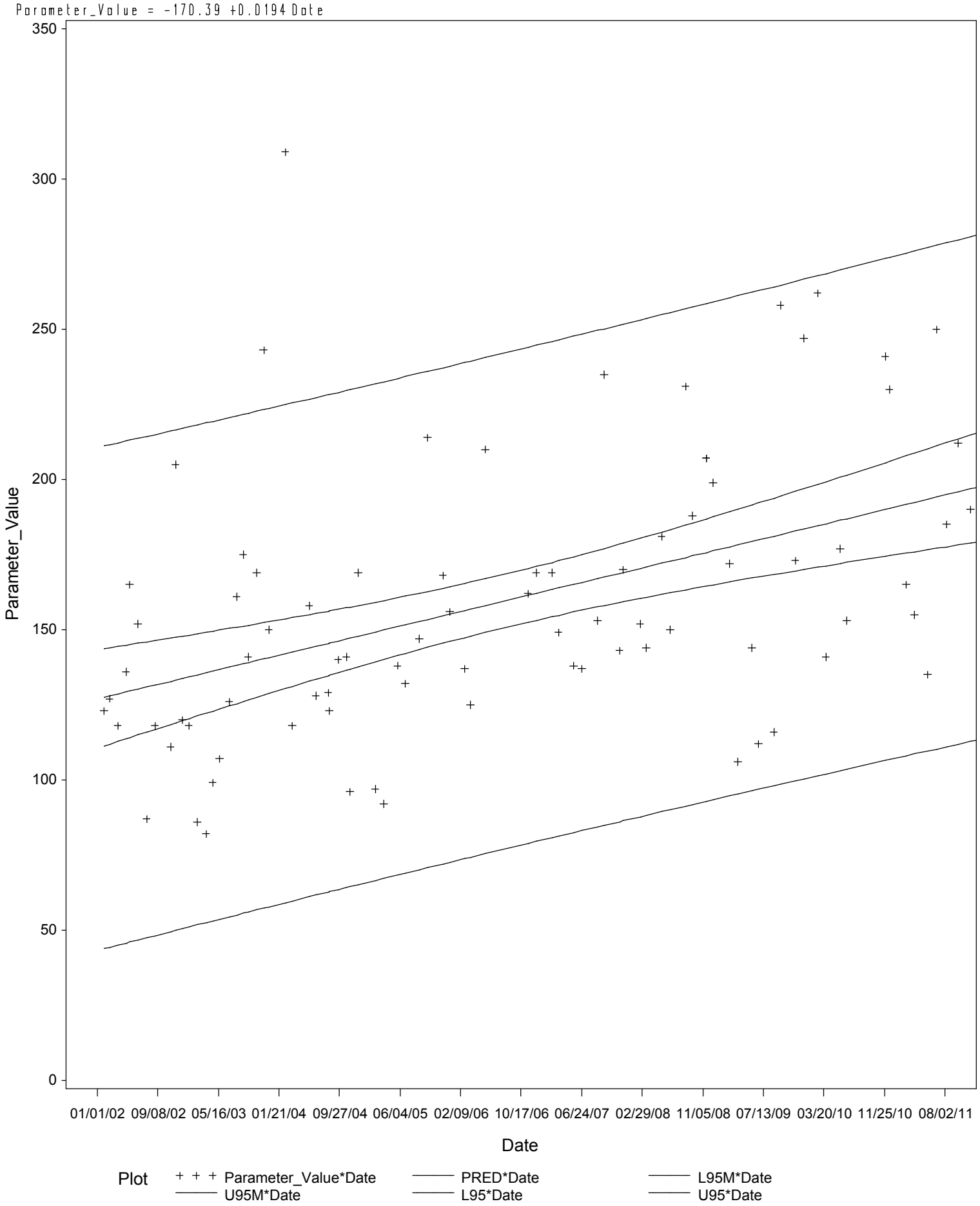
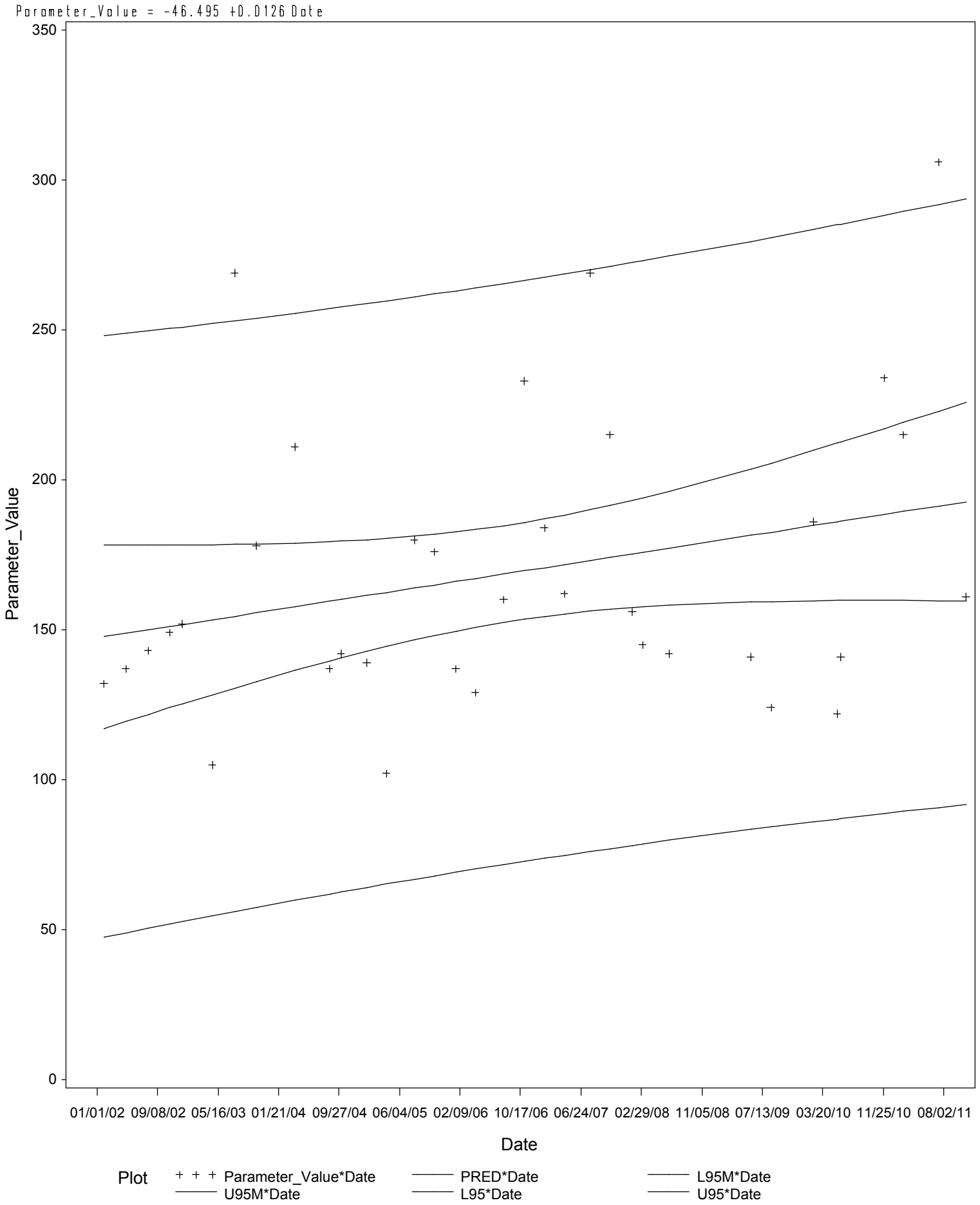


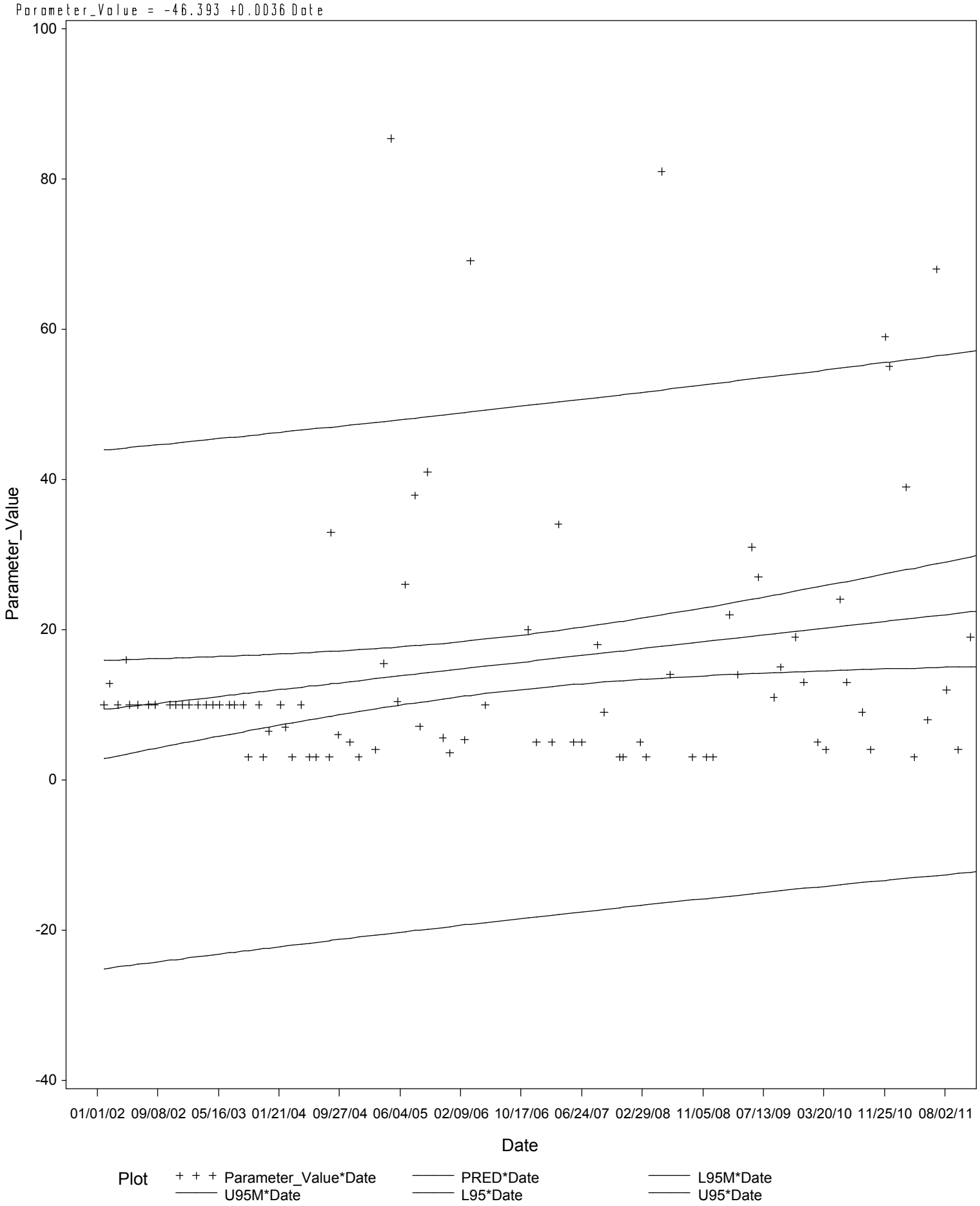
Rio Grande Below Falcon Reservoir

Parameter=CHLORIDE (MG/L AS CL) Station=17247



Rio Grande Below Falcon Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=13177



Rio Grande Below Falcon Reservoir

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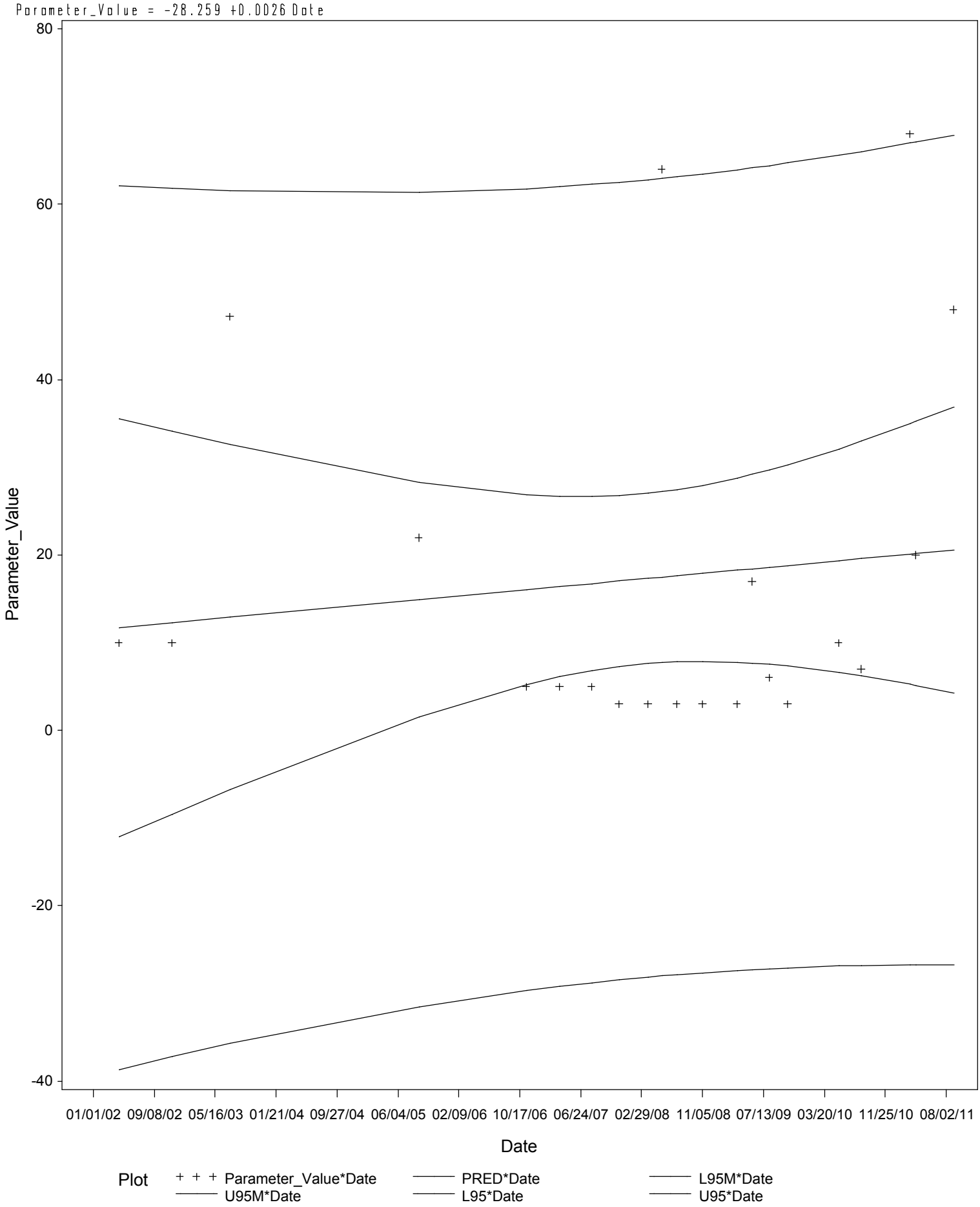
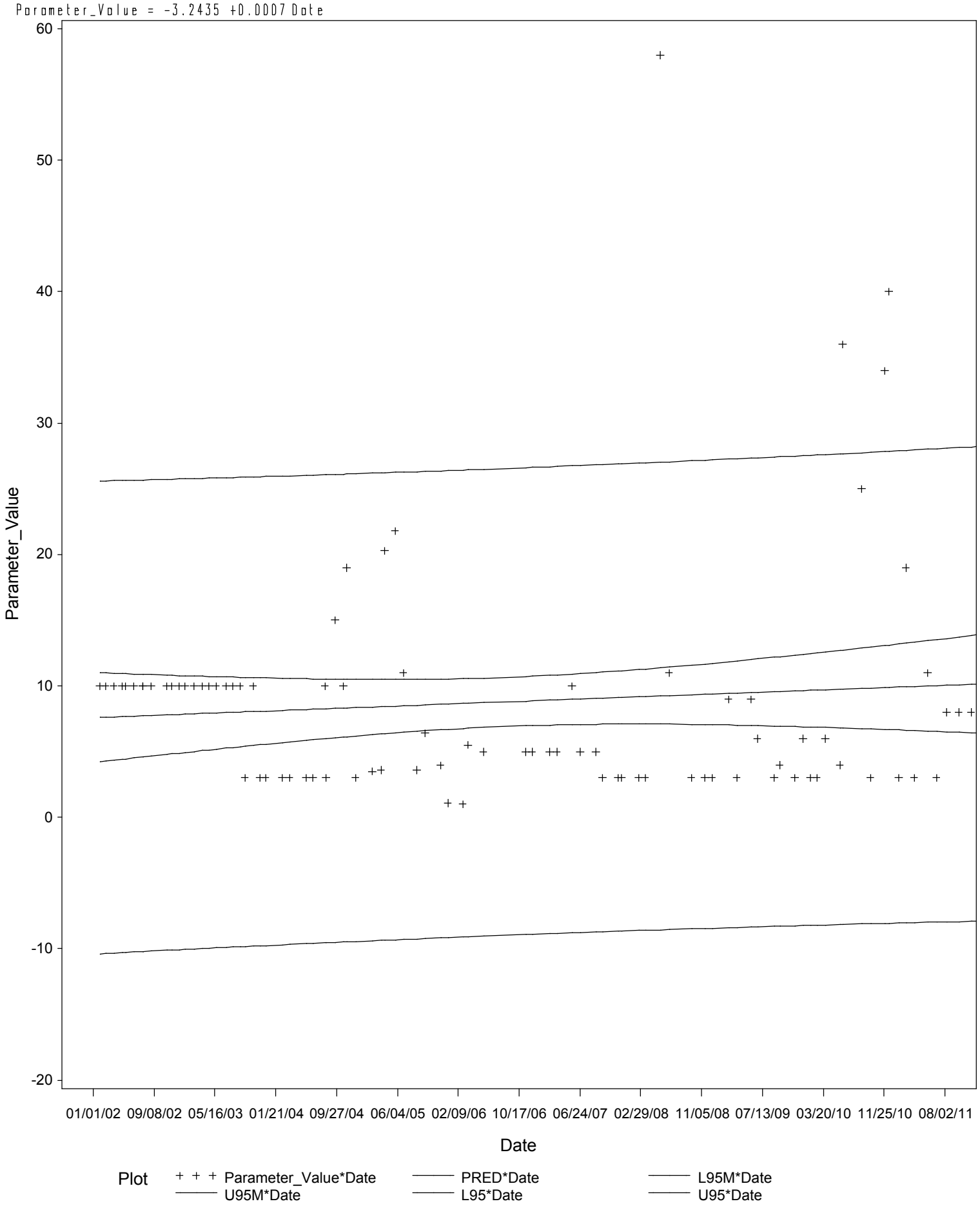


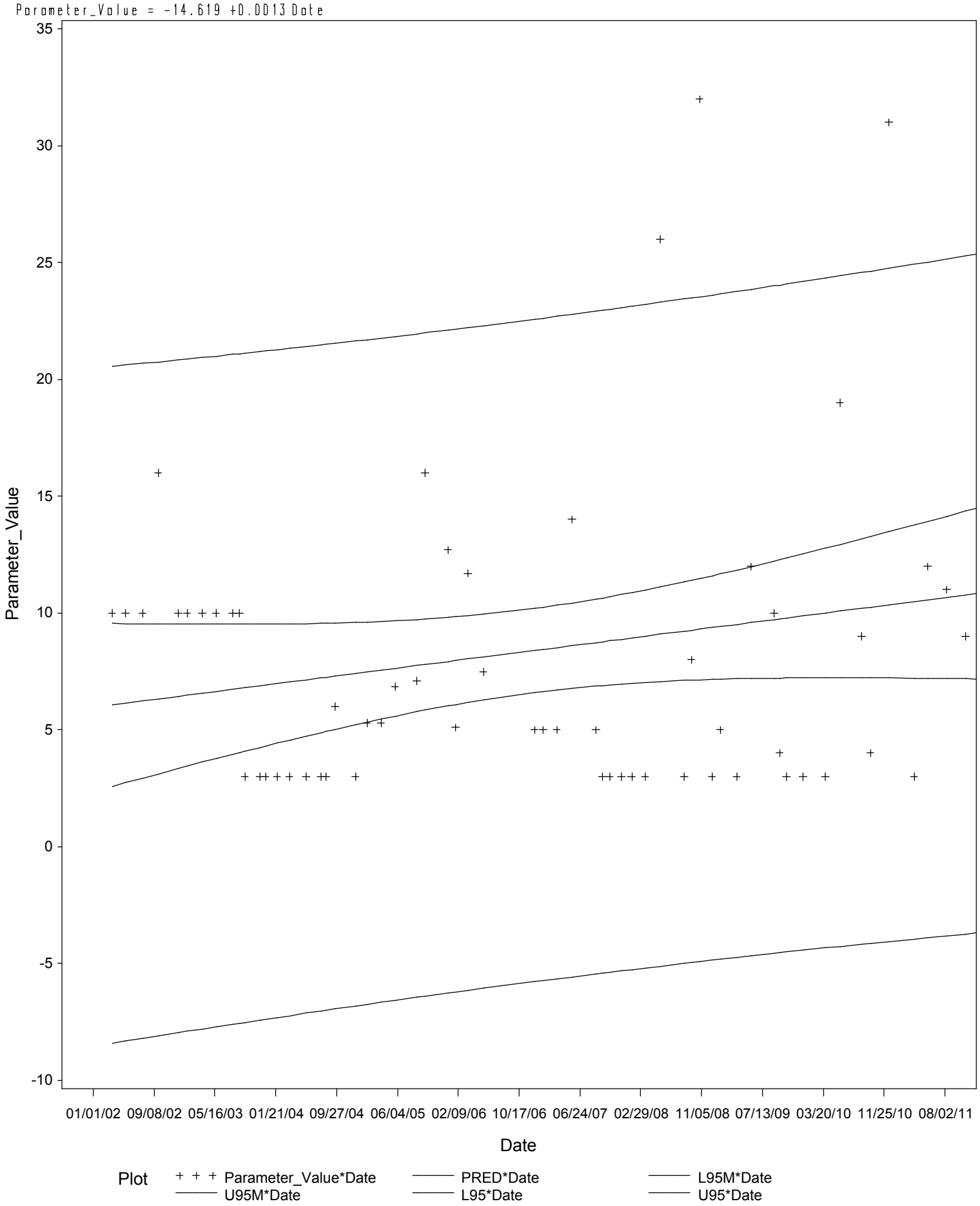
Rio Grande Below Falcon Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=13181



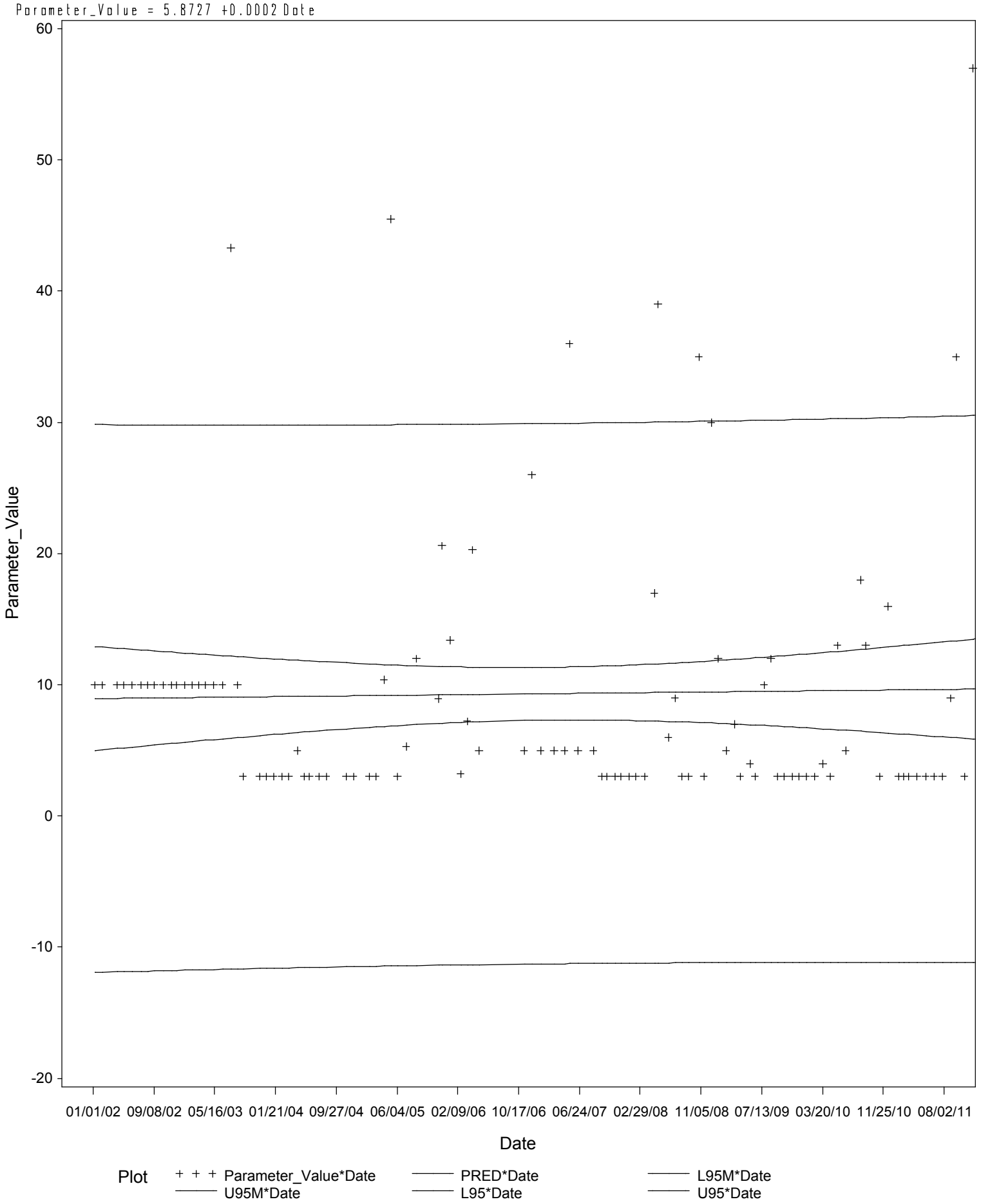
Rio Grande Below Falcon Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=13184



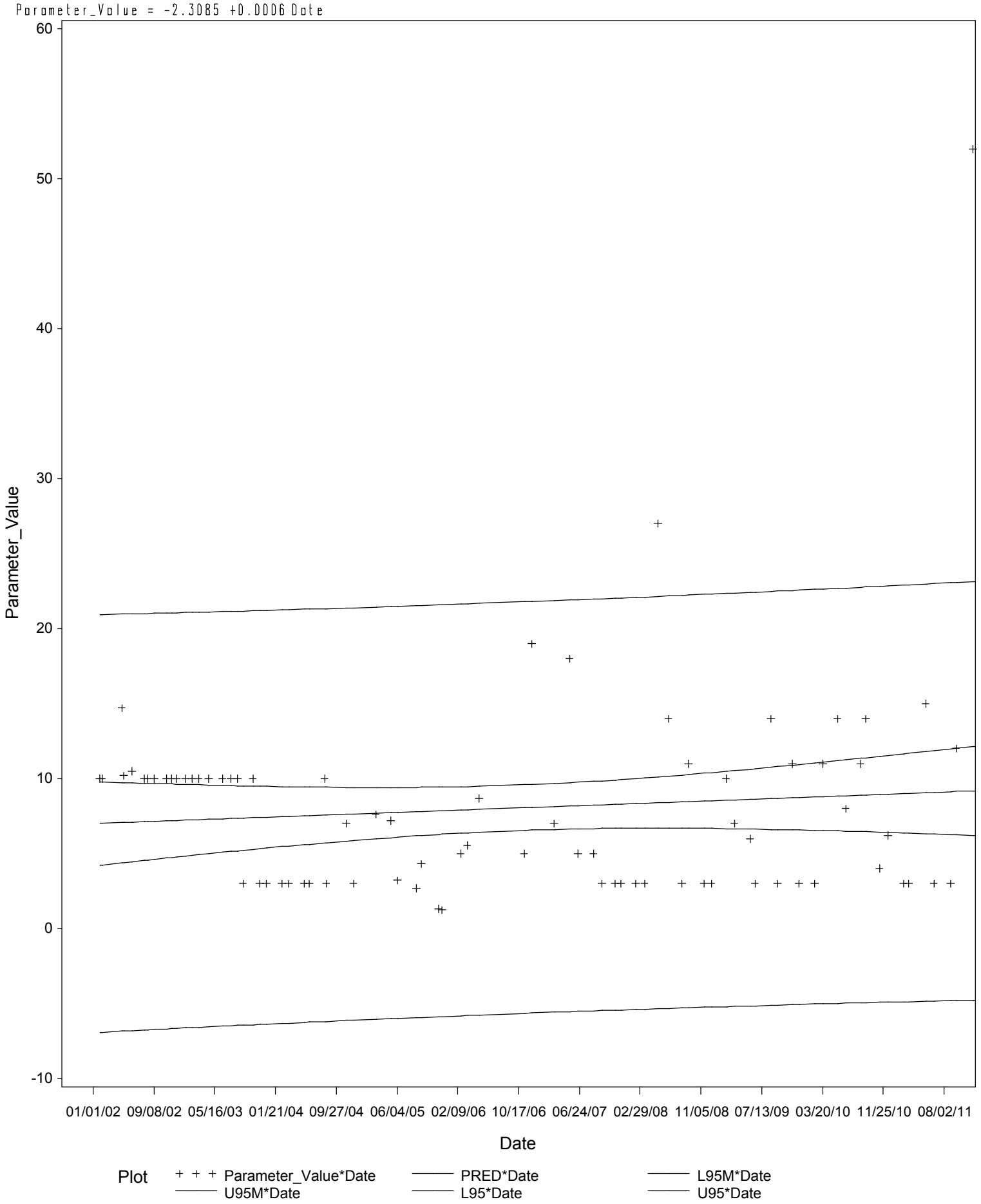
Rio Grande Below Falcon Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=13185



Rio Grande Below Falcon Reservoir

Parameter=CHLOROPHYLL-A, UG/L Station=13186



Rio Grande Below Falcon Reservoir

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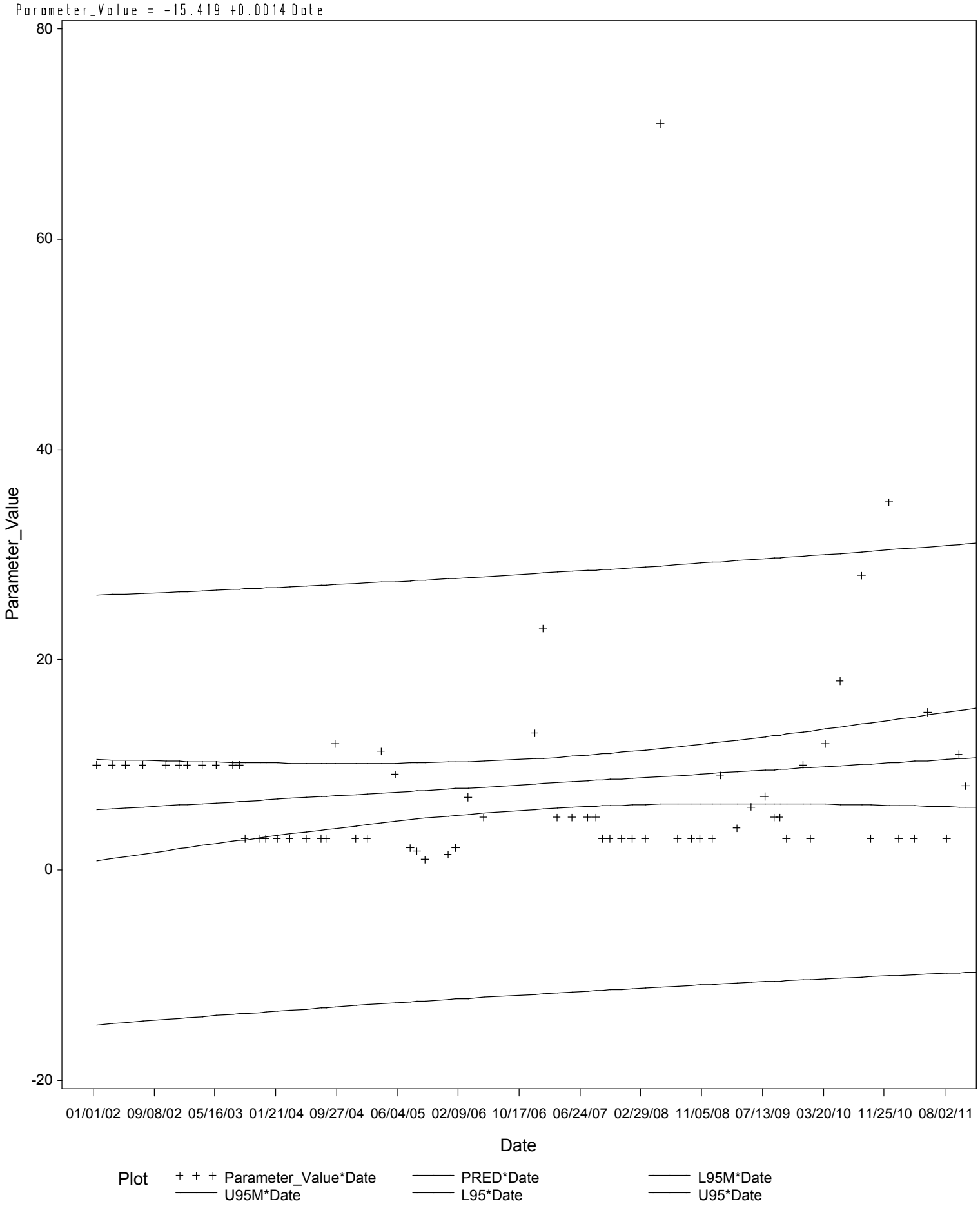

Rio Grande Below Falcon Reservoir

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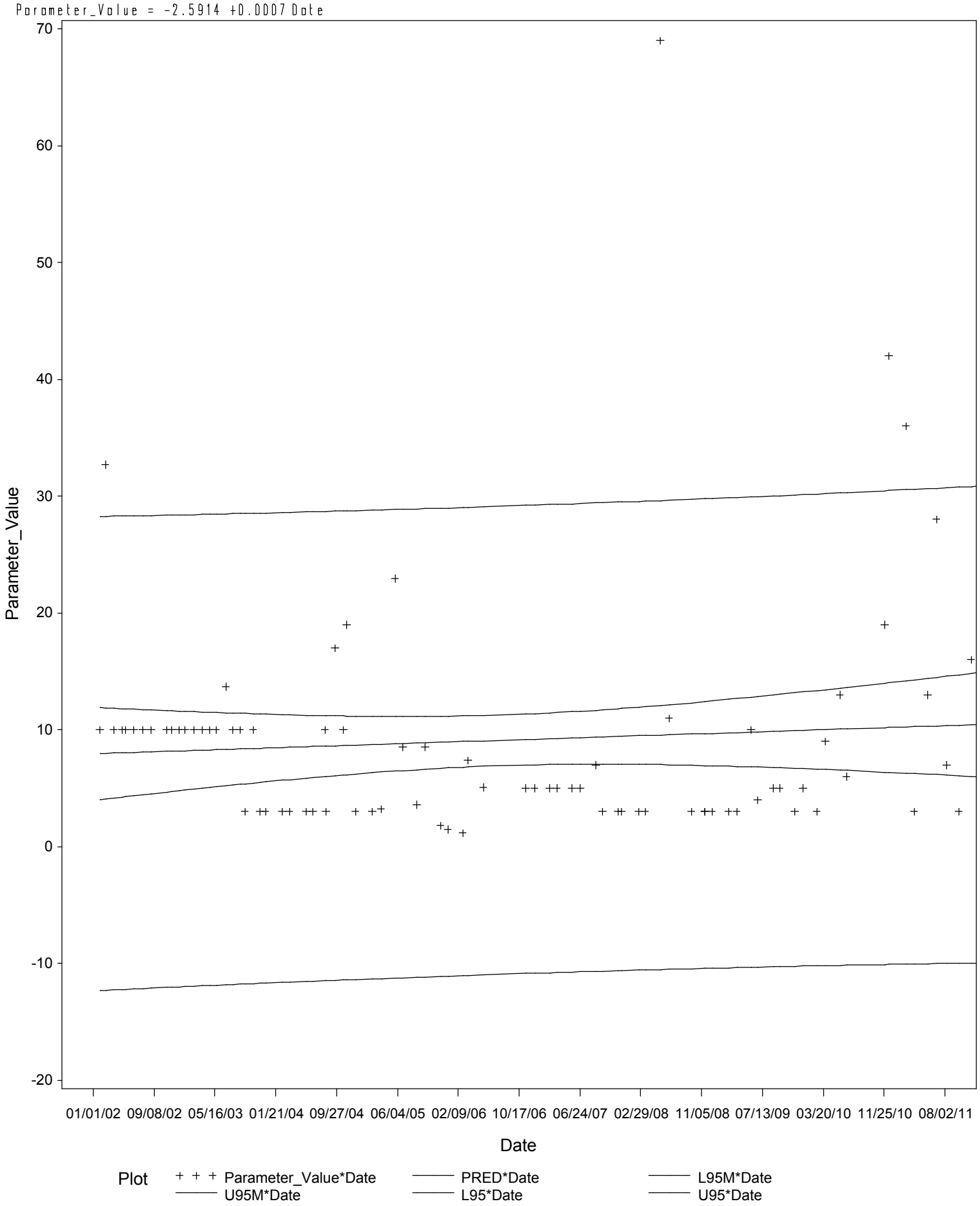

Rio Grande Below Falcon Reservoir

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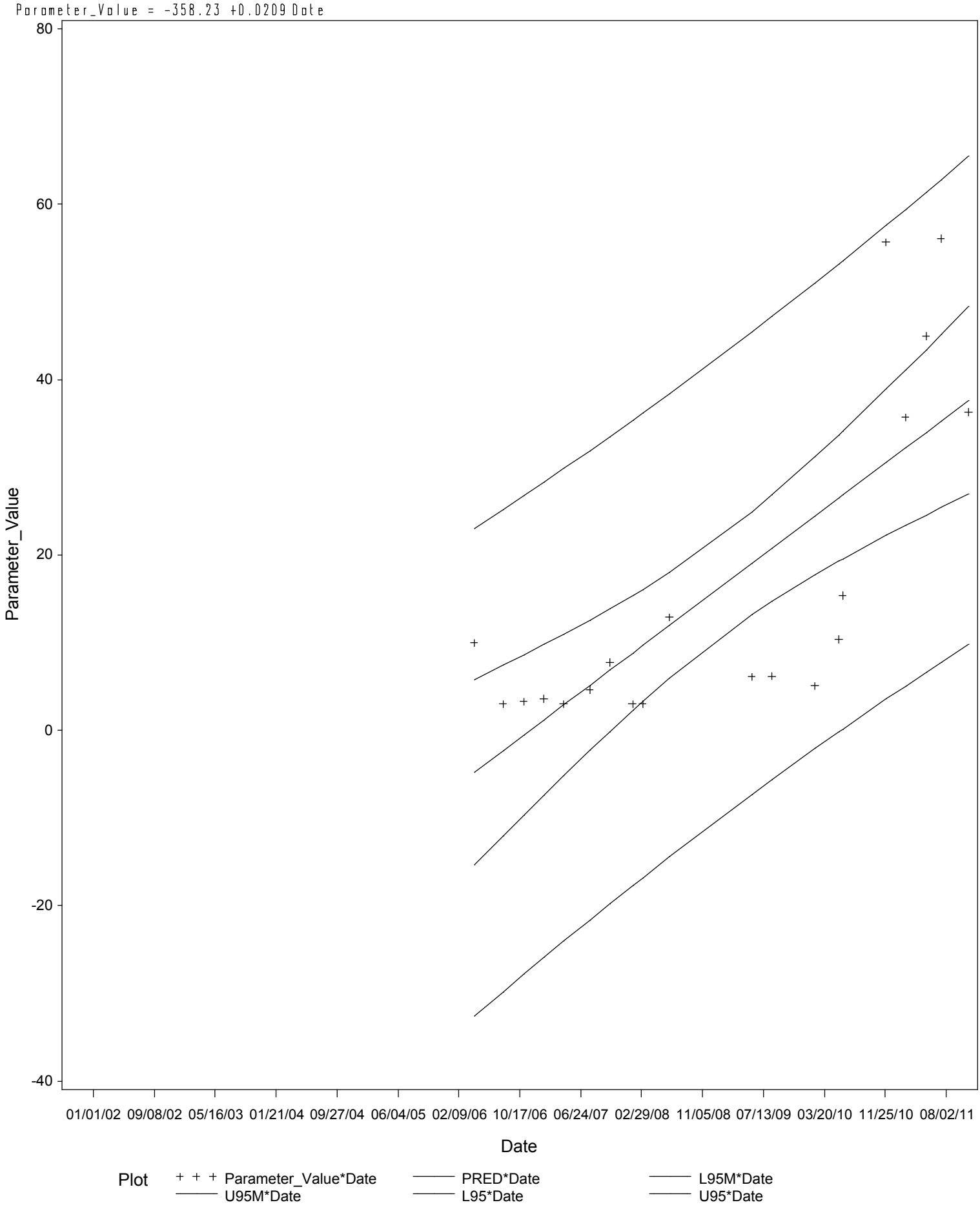
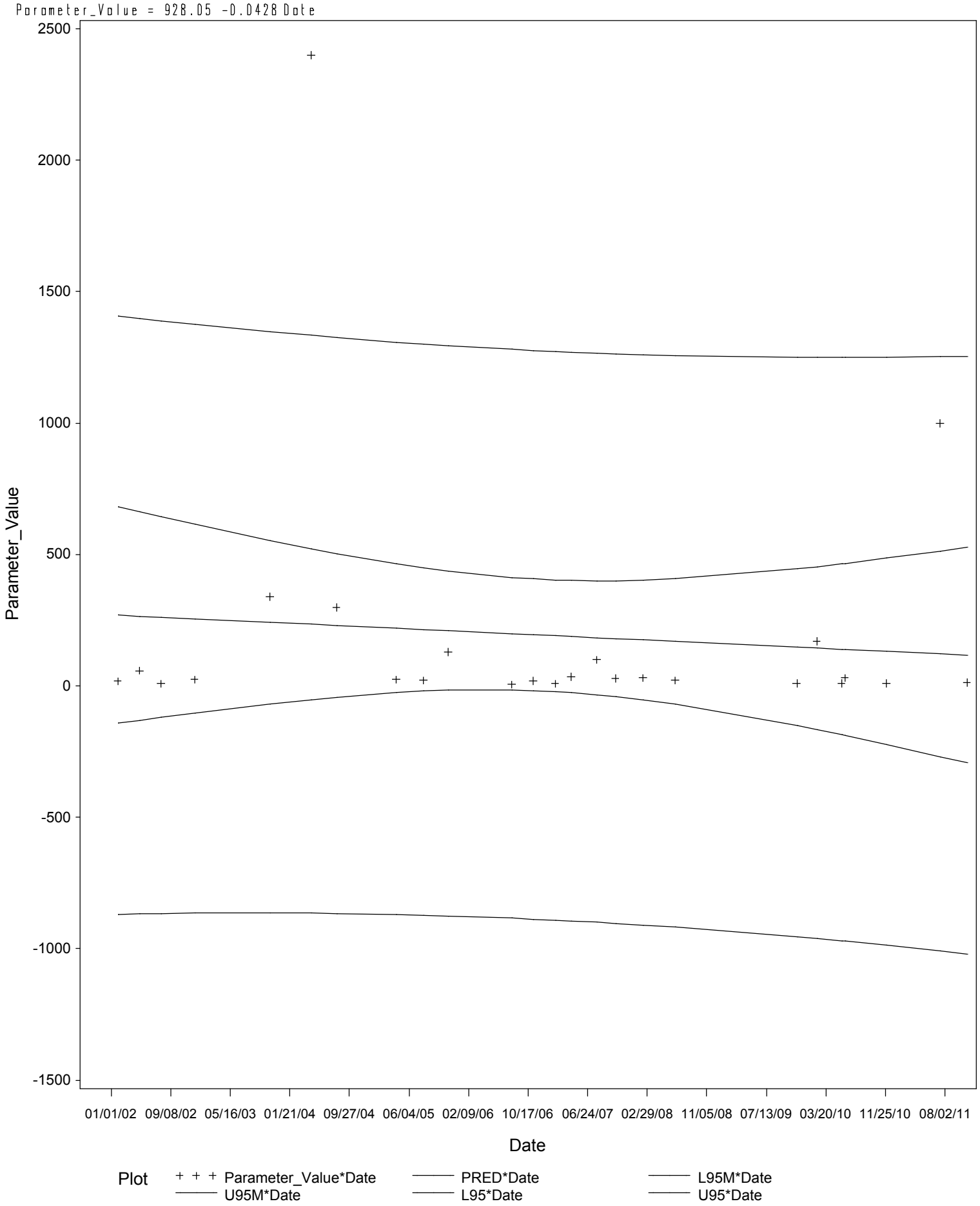


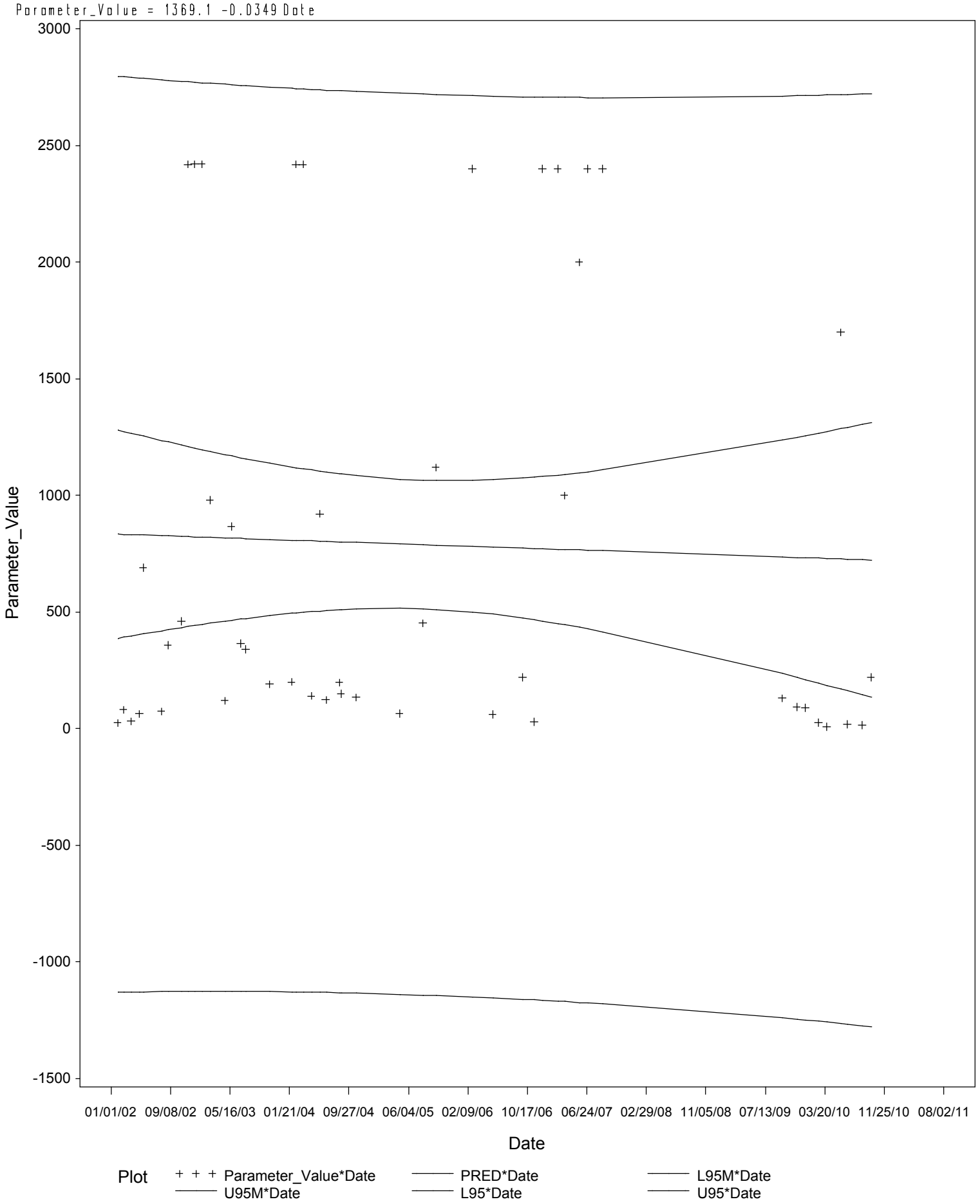
Rio Grande Below Falcon Reservoir

Parameter=E. COLI, MPN/100ML Station=10249



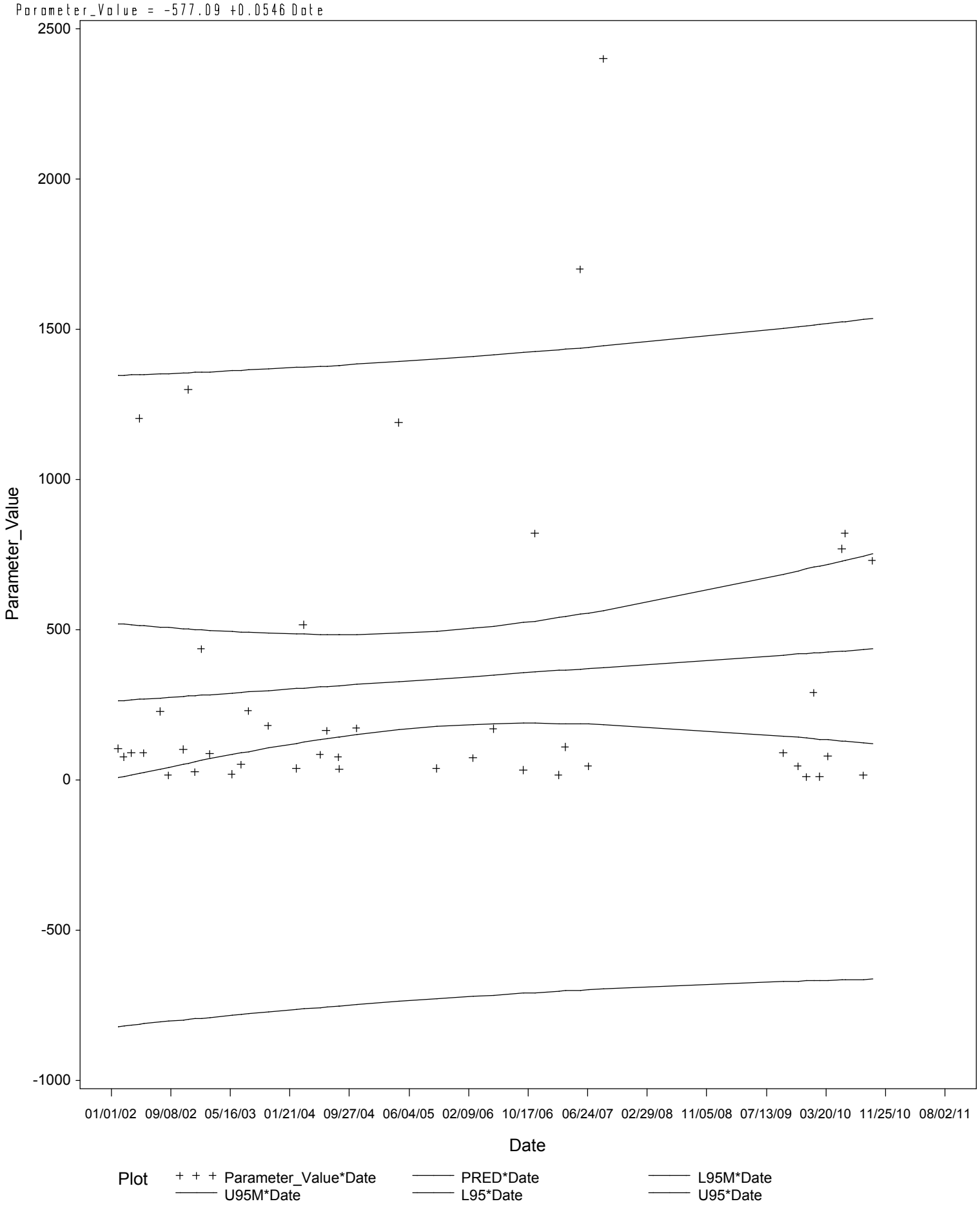
Rio Grande Below Falcon Reservoir

Parameter=E. COLI, MPN/100ML Station=13177



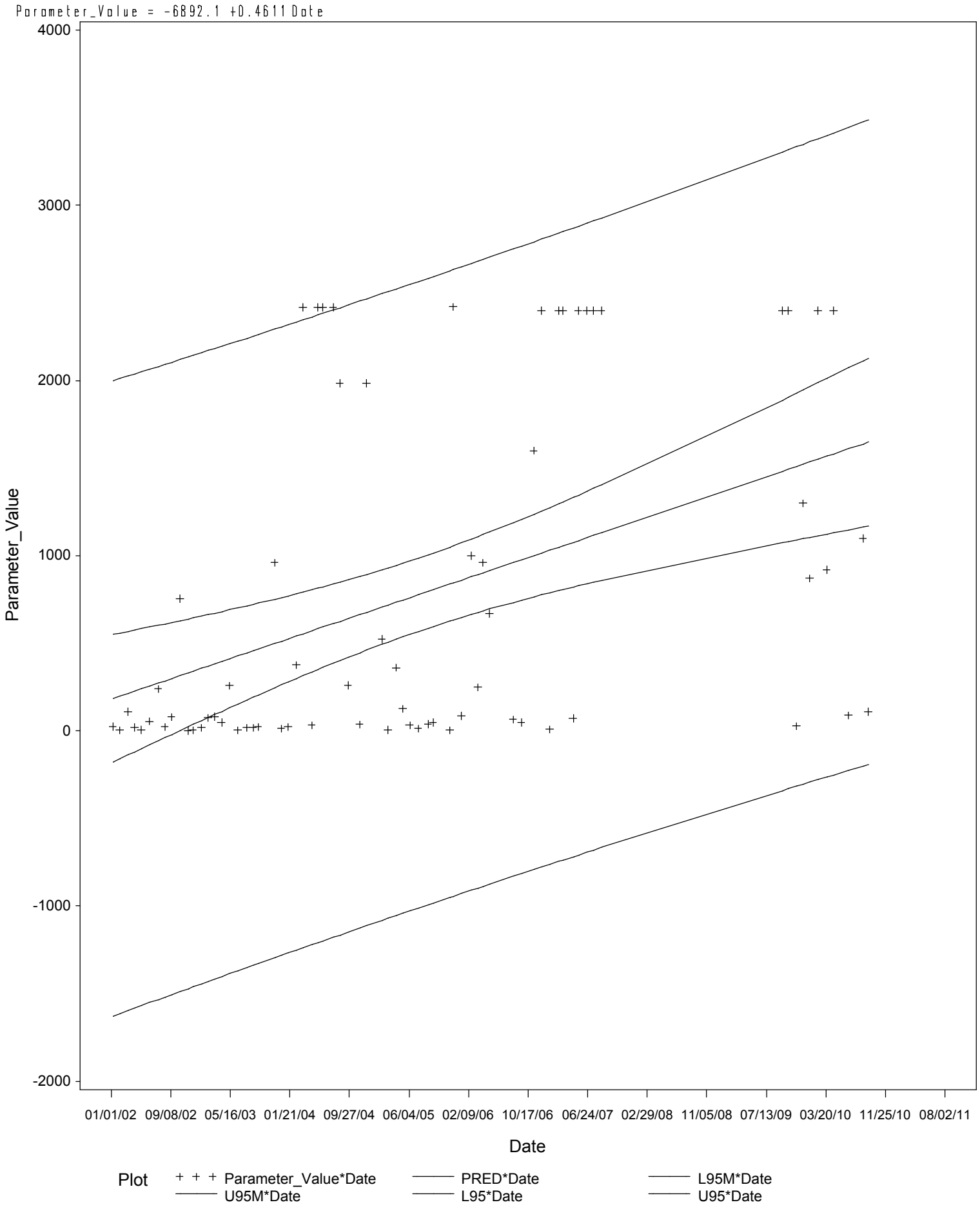
Rio Grande Below Falcon Reservoir

Parameter=E. COLI, MPN/100ML Station=13181



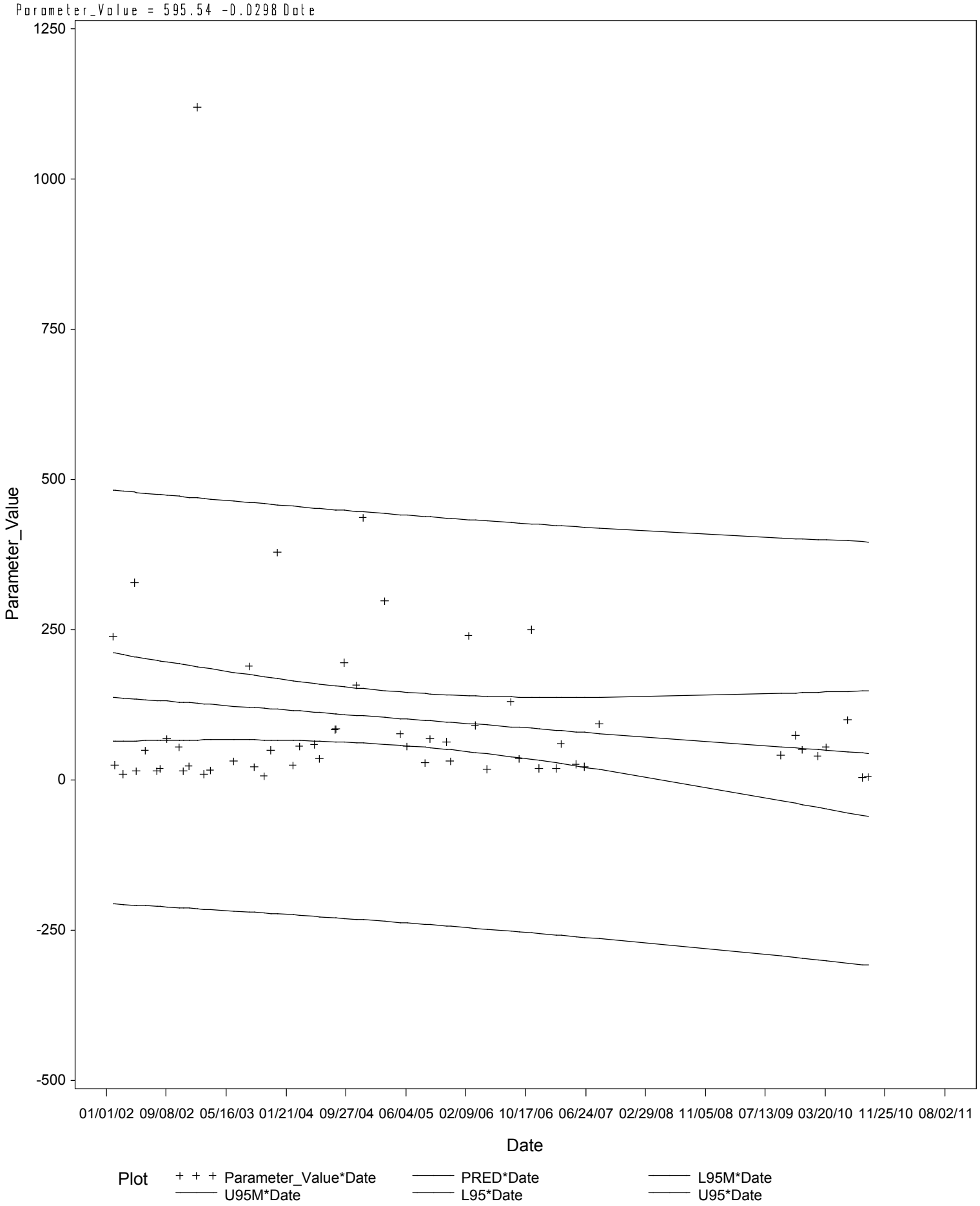
Rio Grande Below Falcon Reservoir

Parameter=E. COLI, MPN/100ML Station=13185



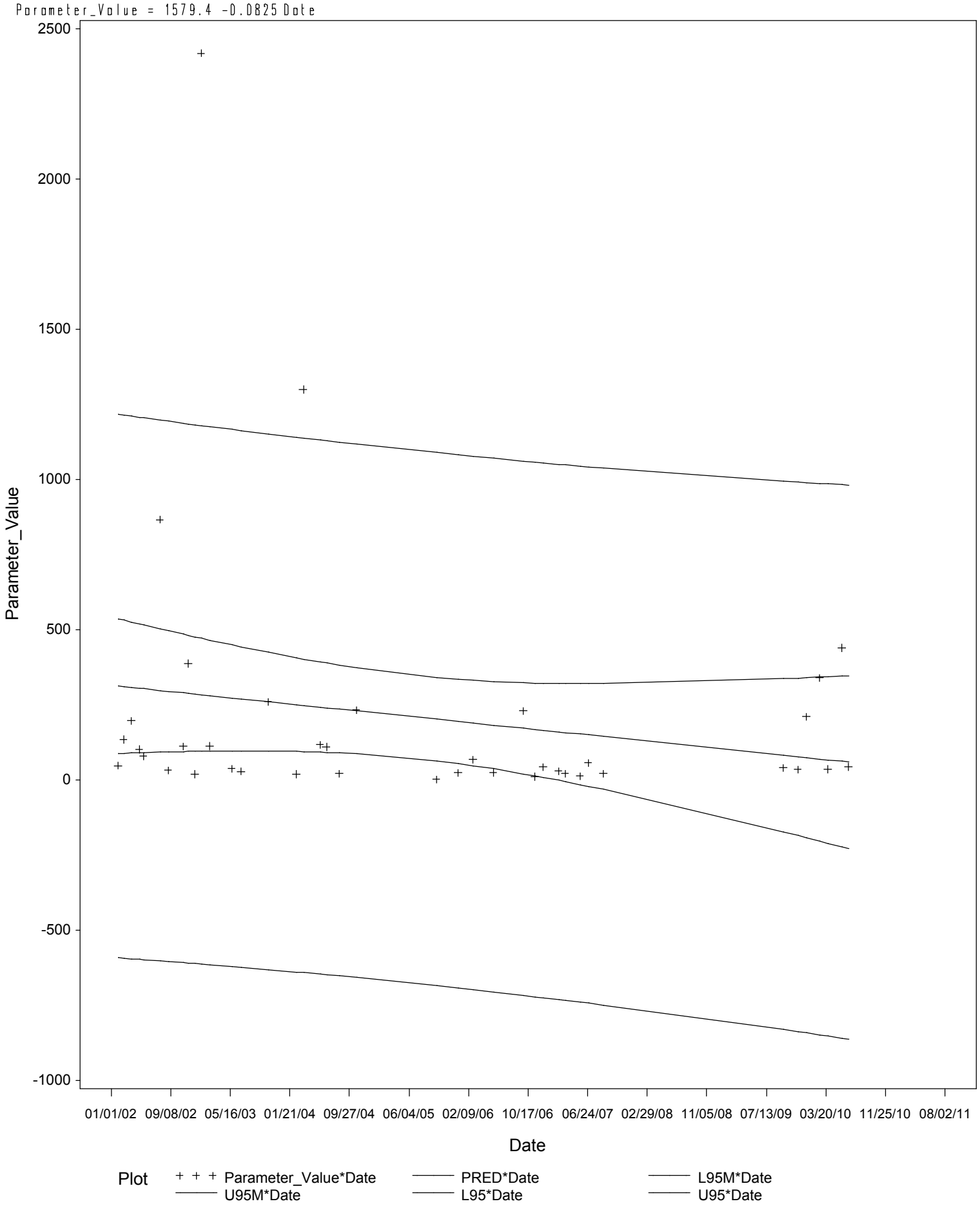
Rio Grande Below Falcon Reservoir

Parameter=E. COLI, MPN/100ML Station=13186



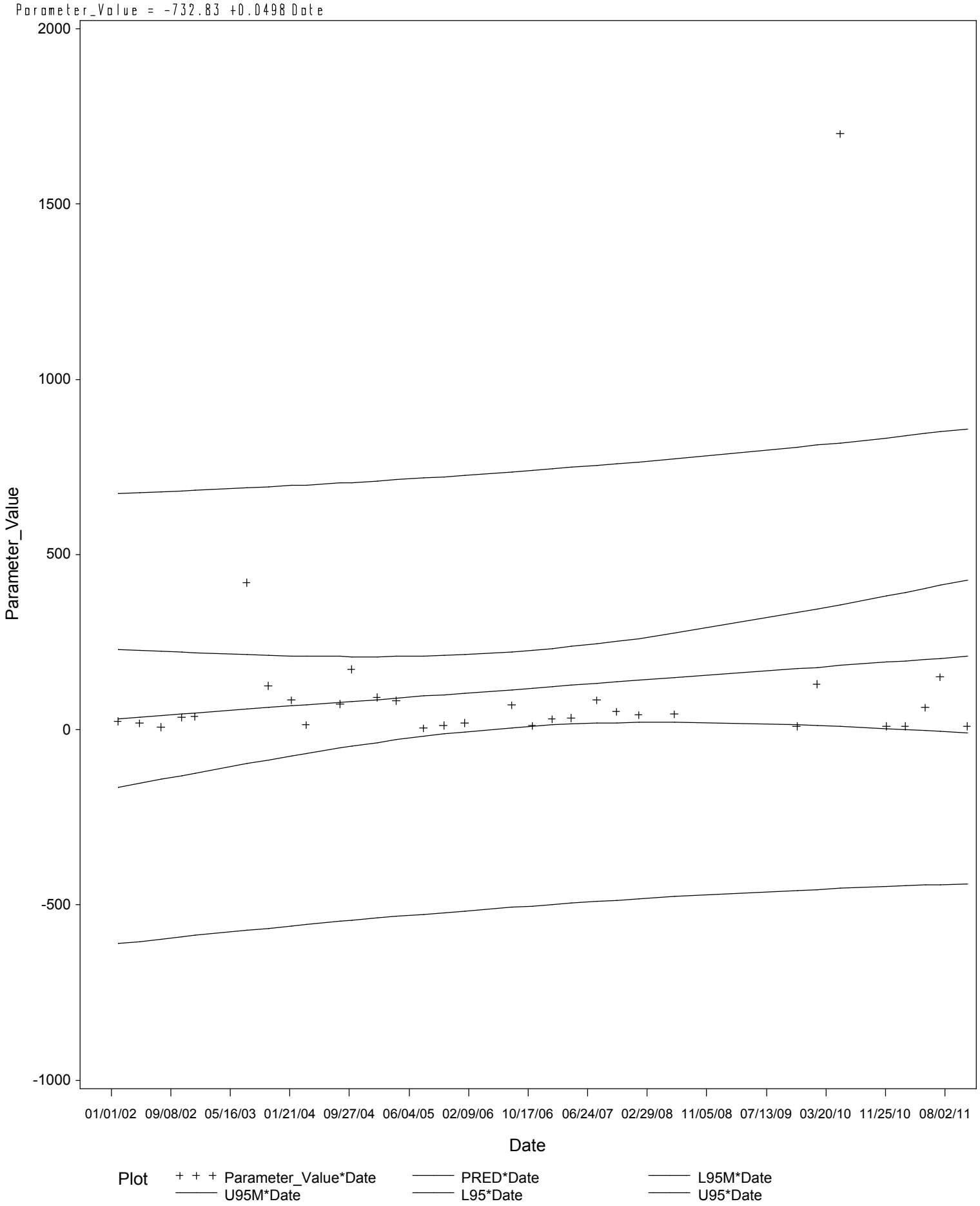
Rio Grande Below Falcon Reservoir

Parameter=E. COLI, MPN/100ML Station=15808



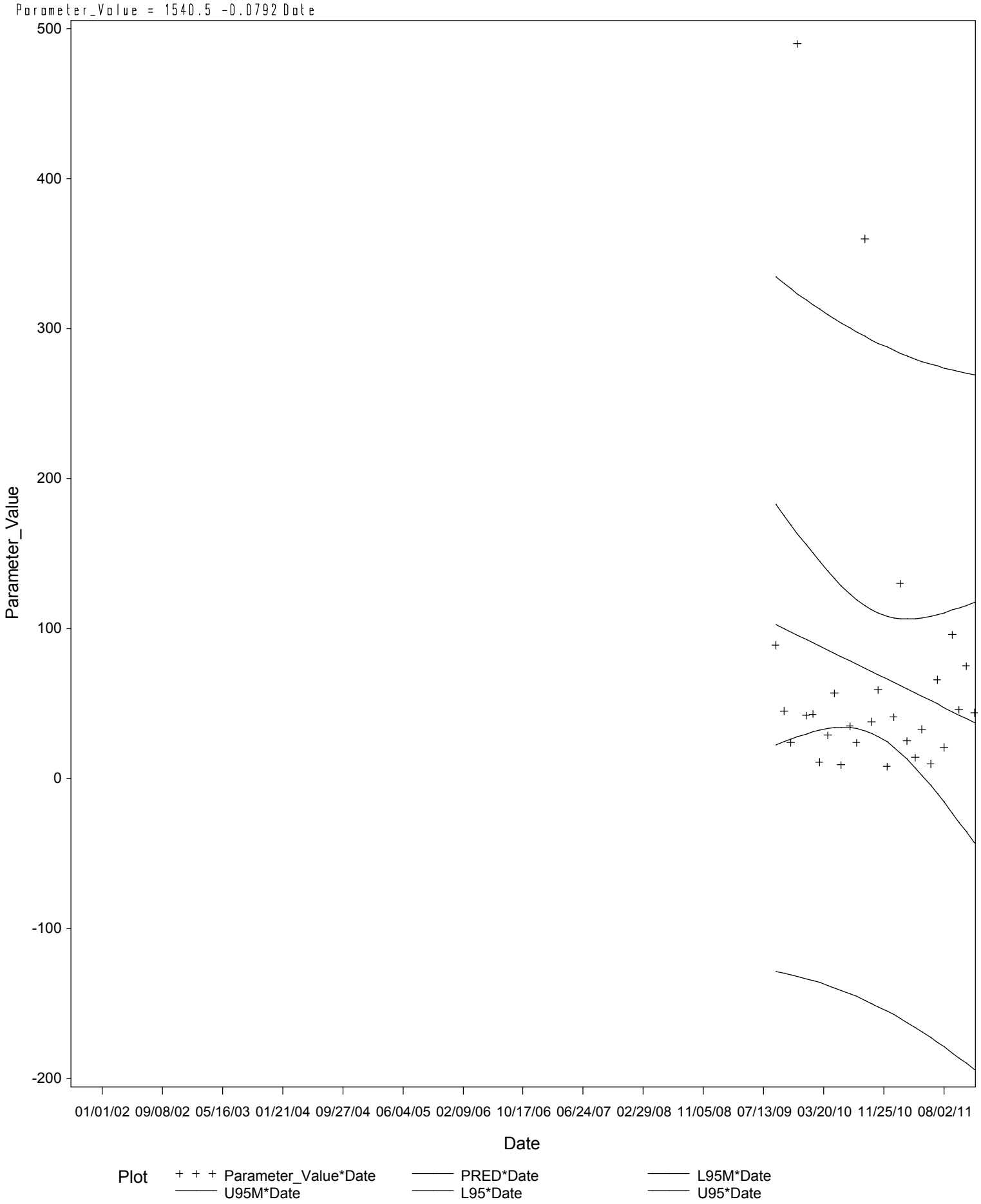
Rio Grande Below Falcon Reservoir

Parameter=E. COLI, MPN/100ML Station=17247



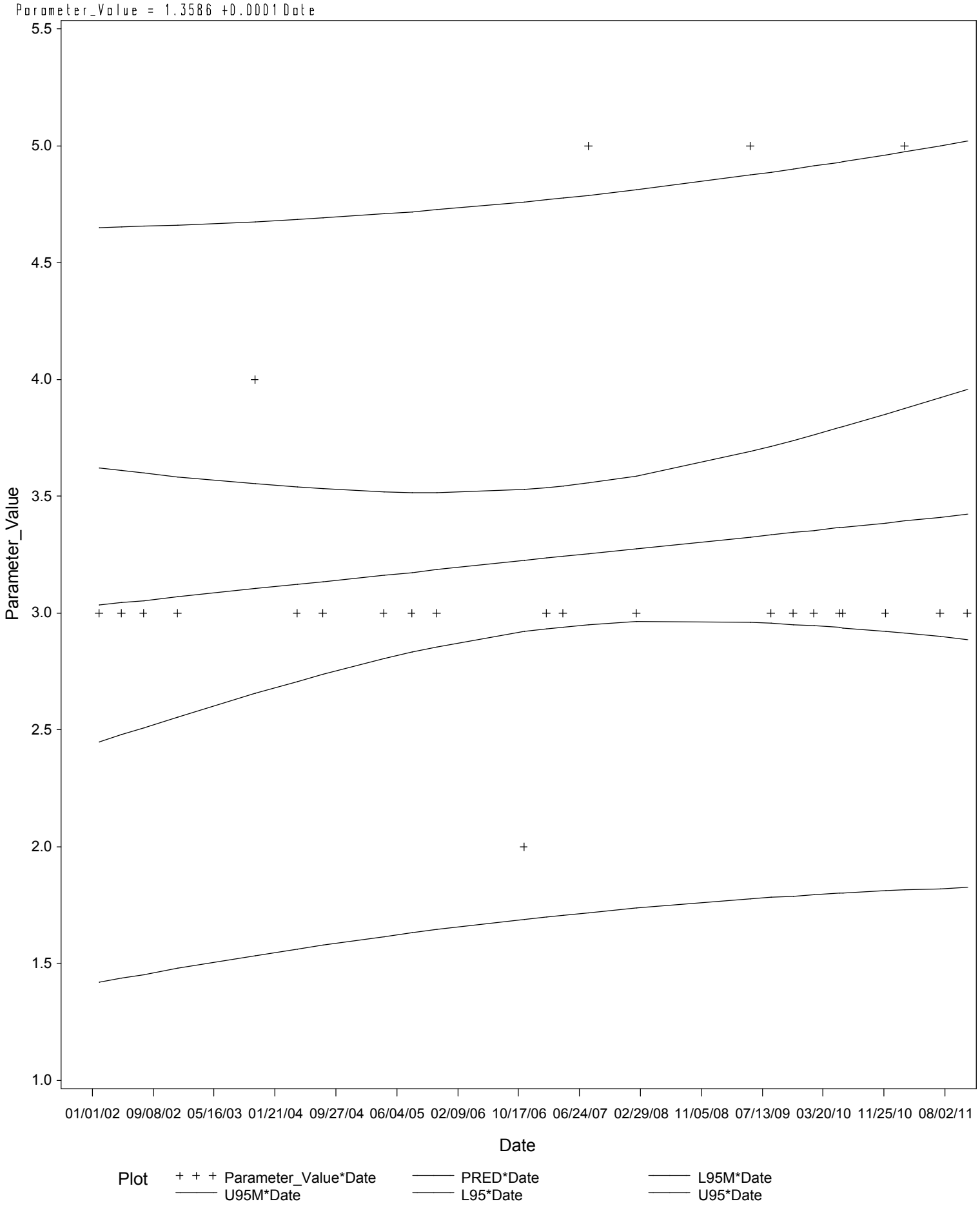
Rio Grande Below Falcon Reservoir

Parameter=E. COLI, MPN/100ML Station=20449



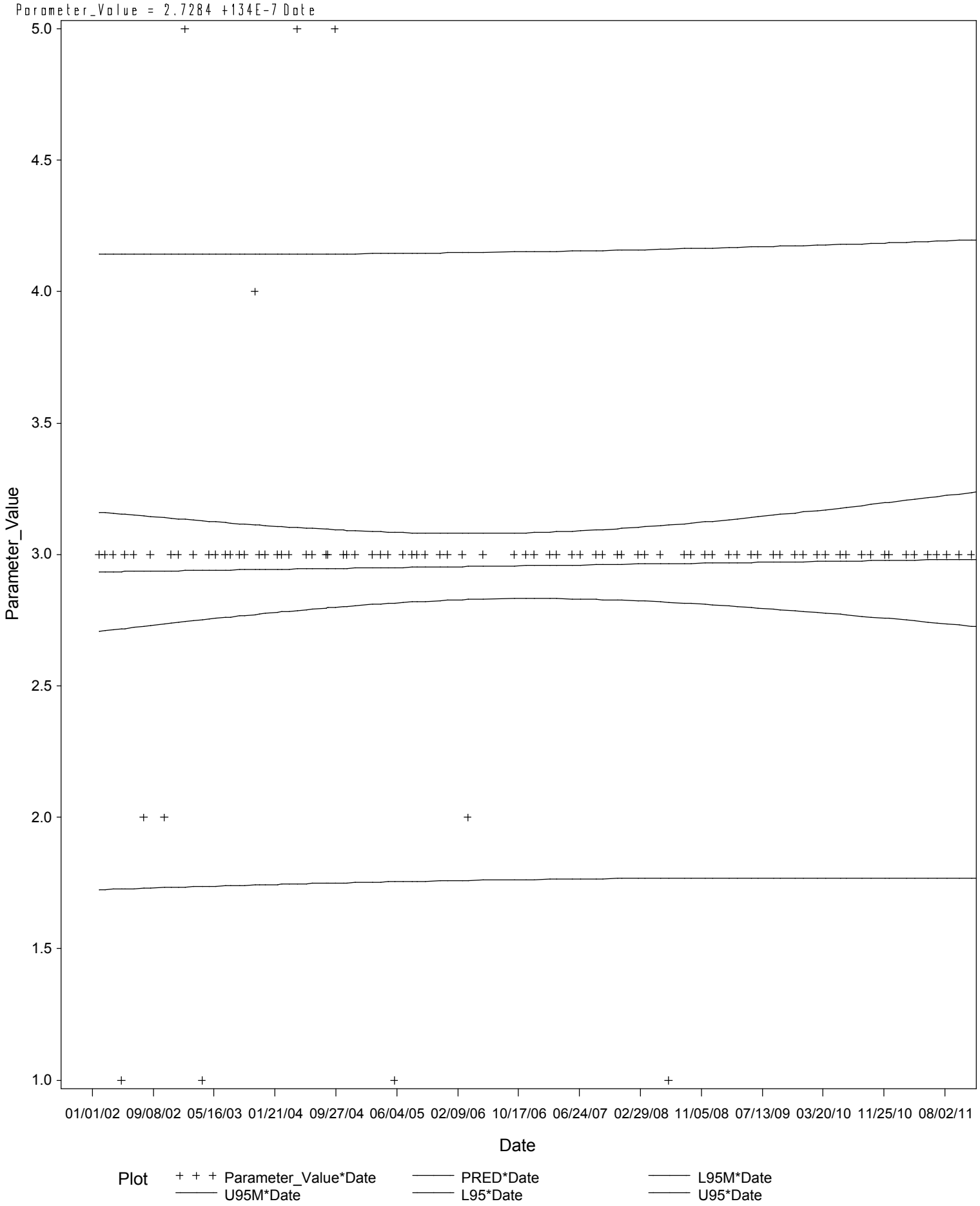
Rio Grande Below Falcon Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=10249



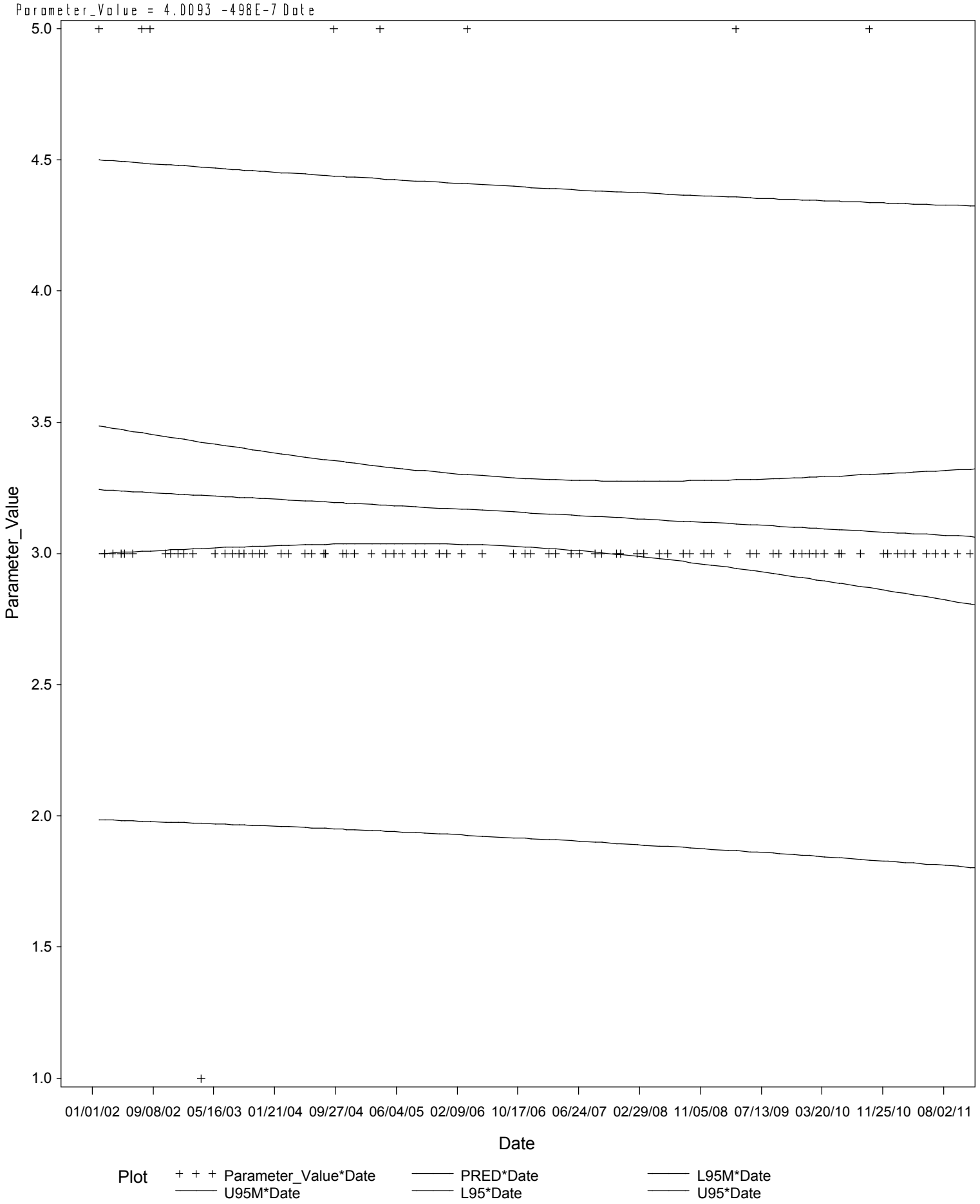
Rio Grande Below Falcon Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13177



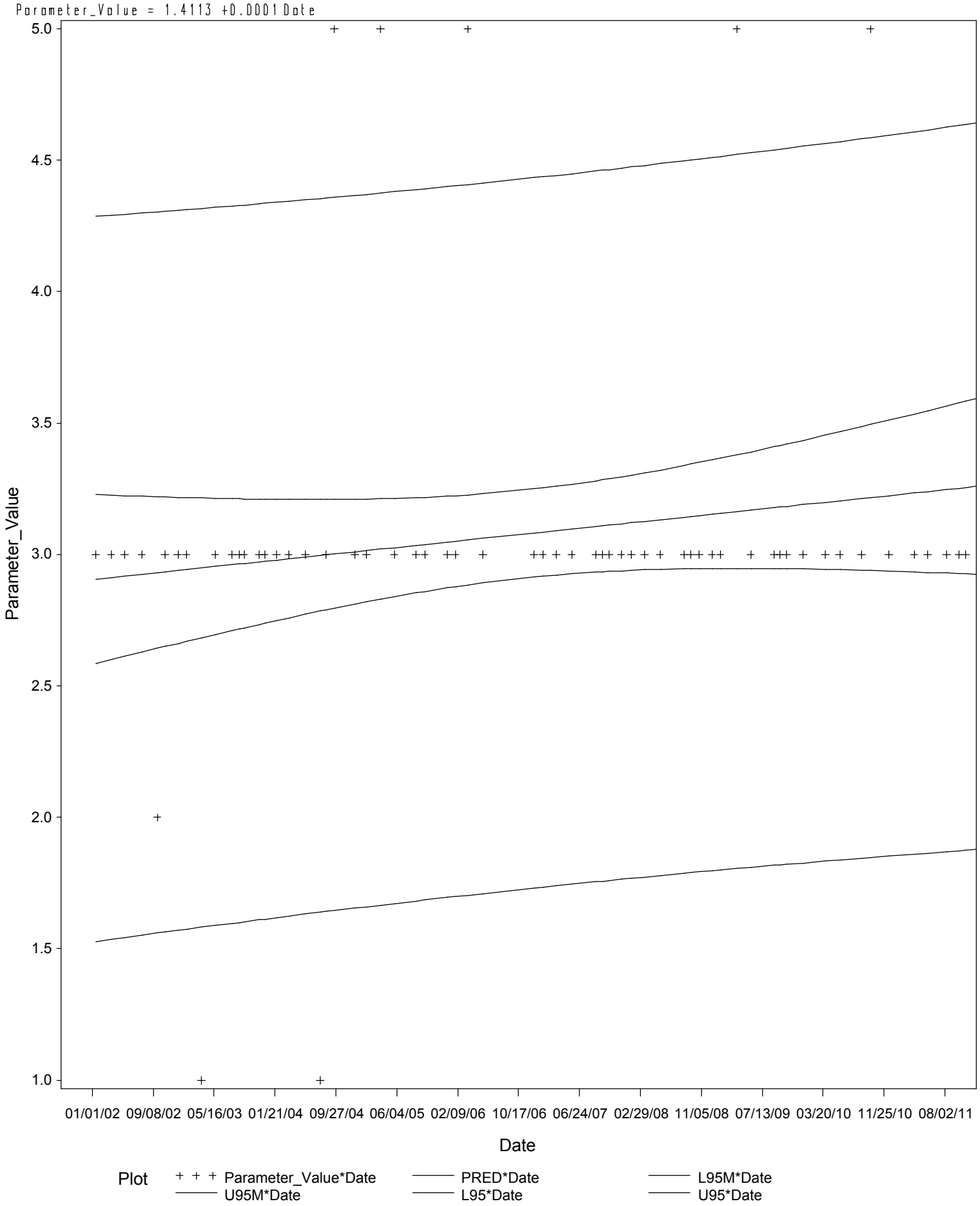
Rio Grande Below Falcon Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13181



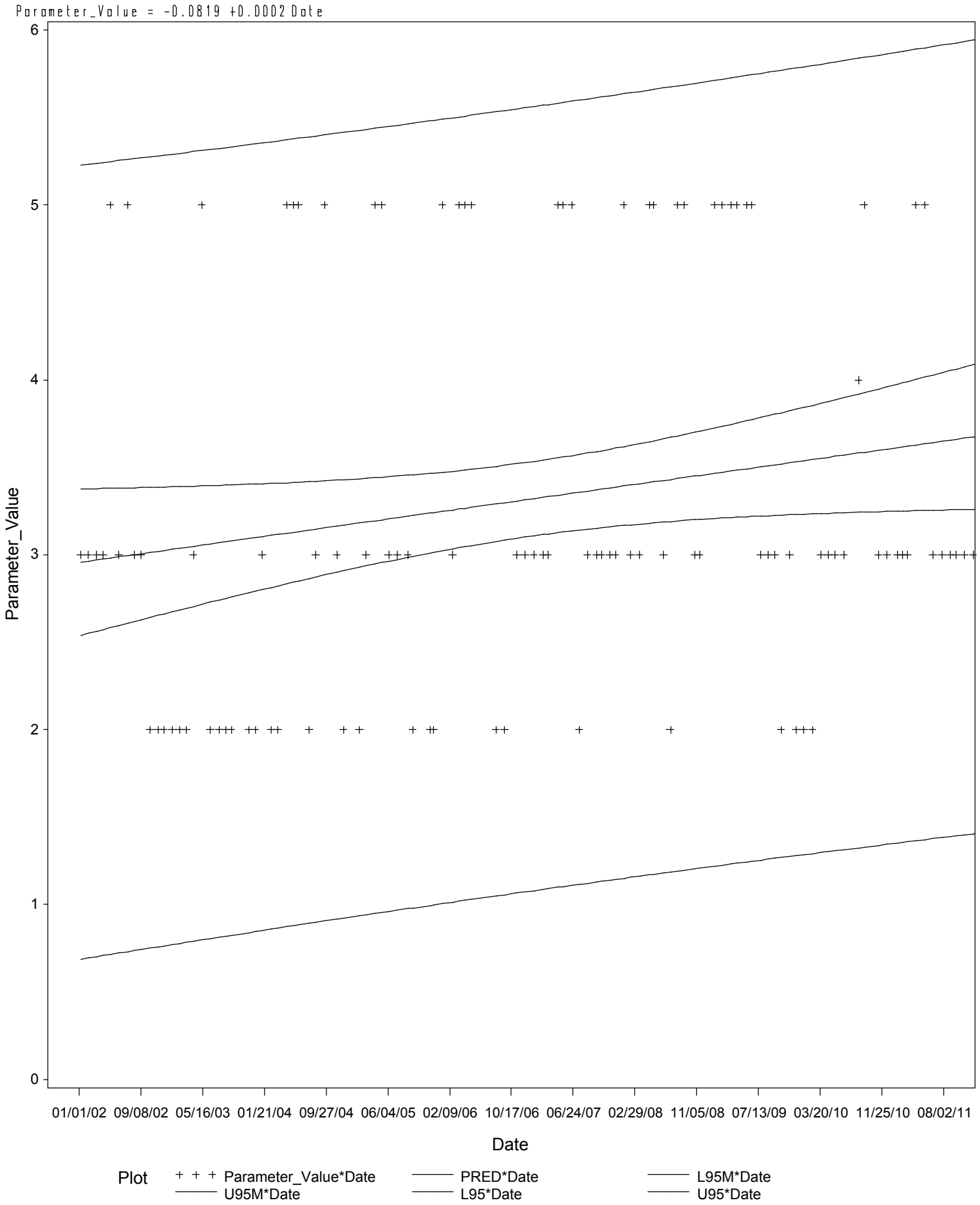
Rio Grande Below Falcon Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13184



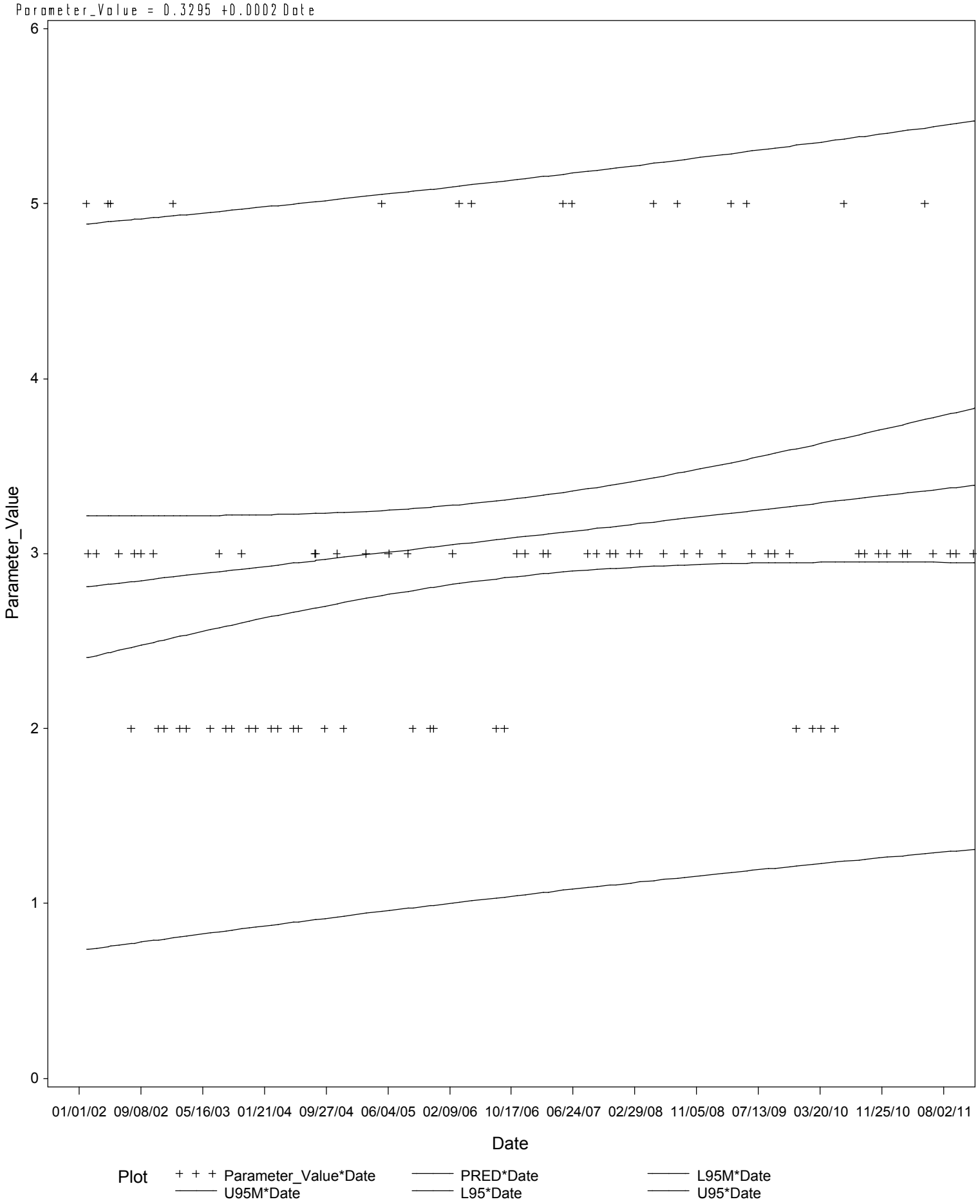
Rio Grande Below Falcon Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13185



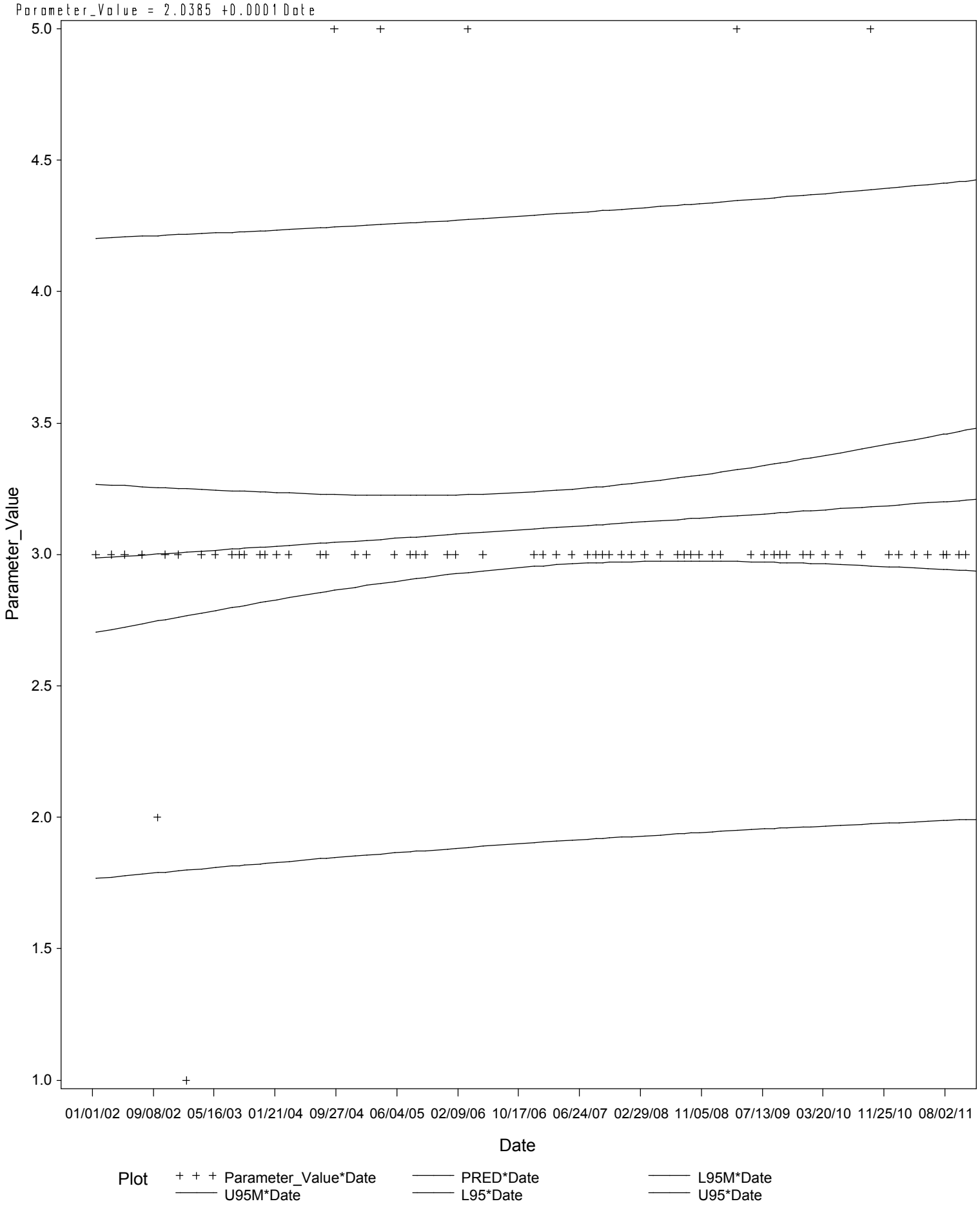
Rio Grande Below Falcon Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13186



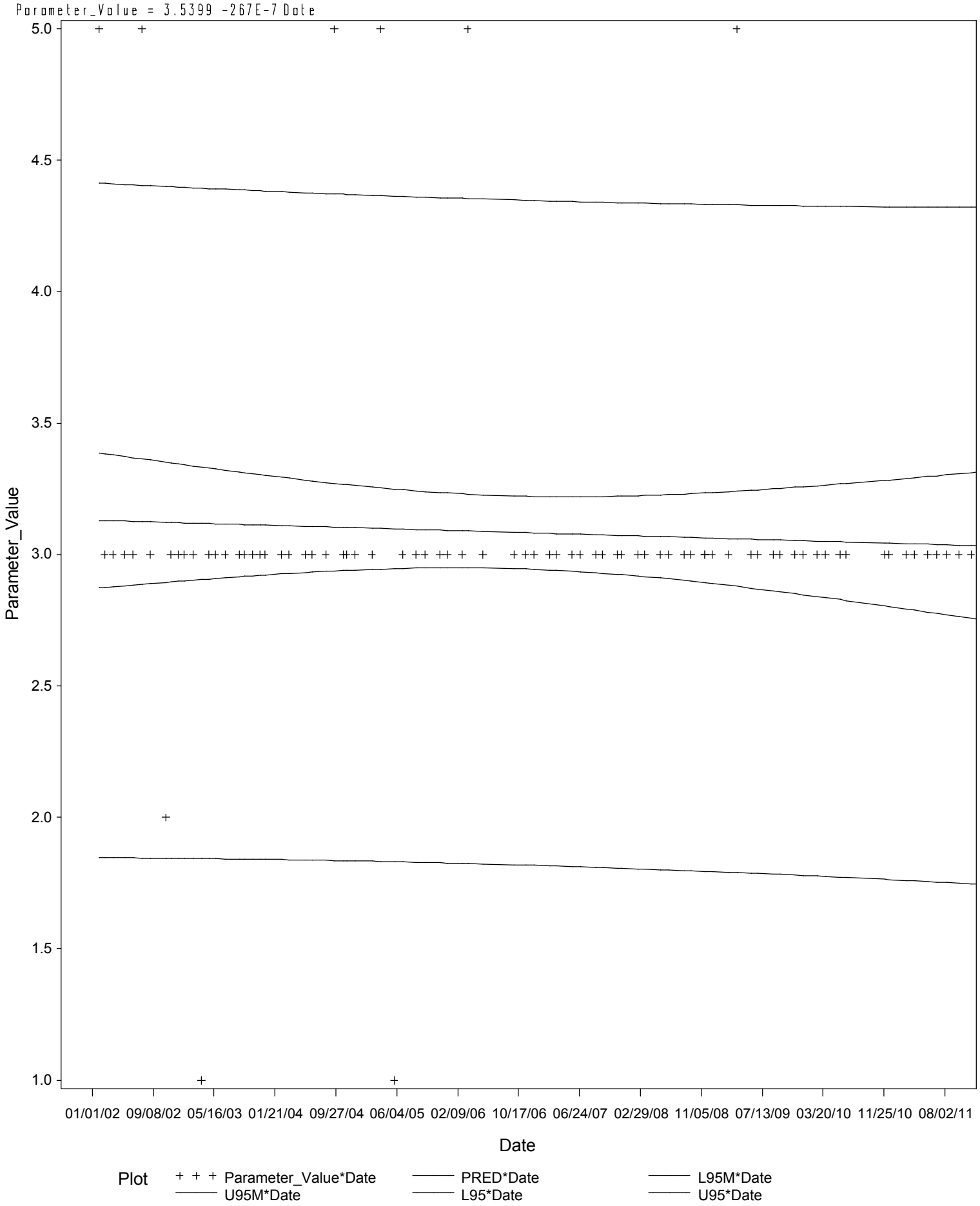
Rio Grande Below Falcon Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=13664



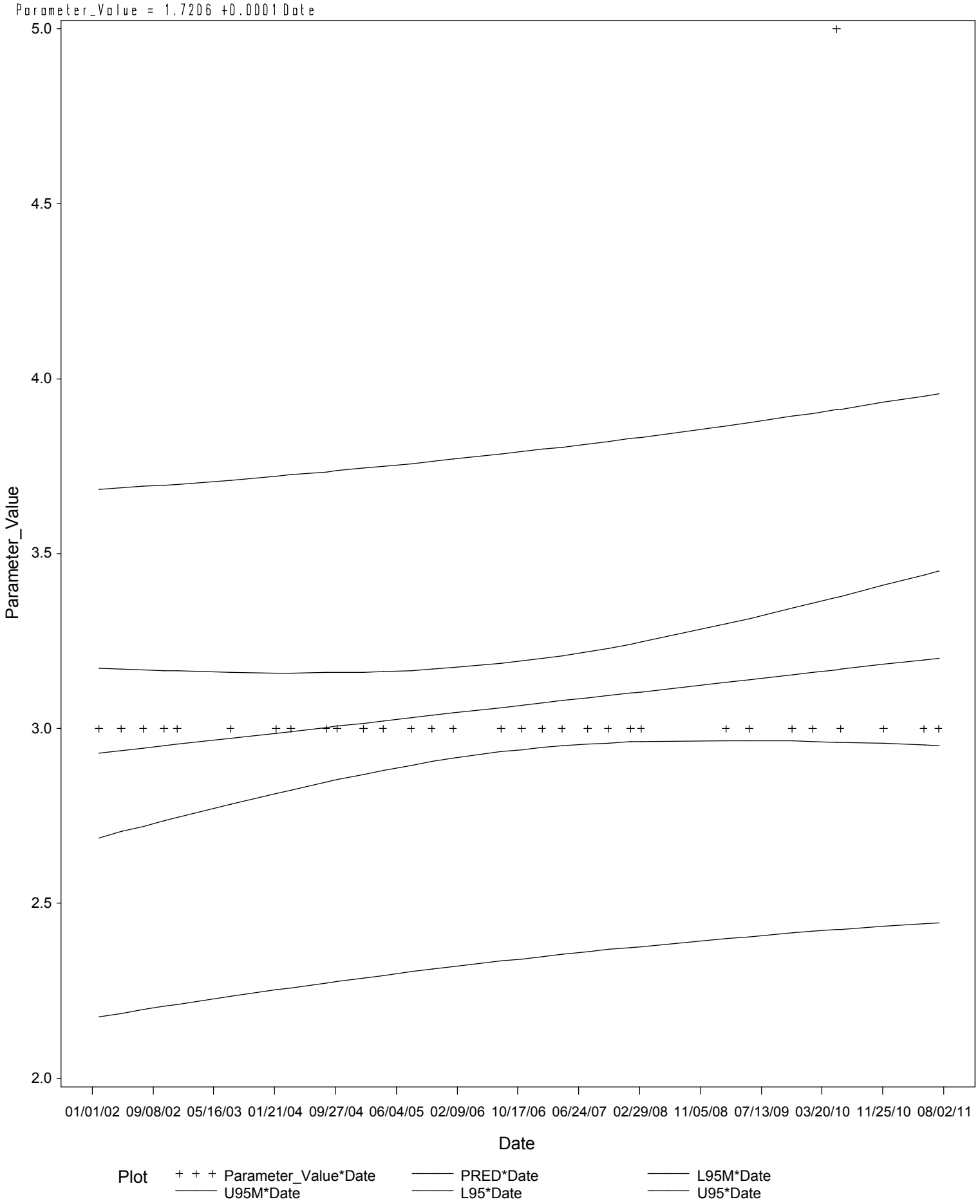
Rio Grande Below Falcon Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=15808



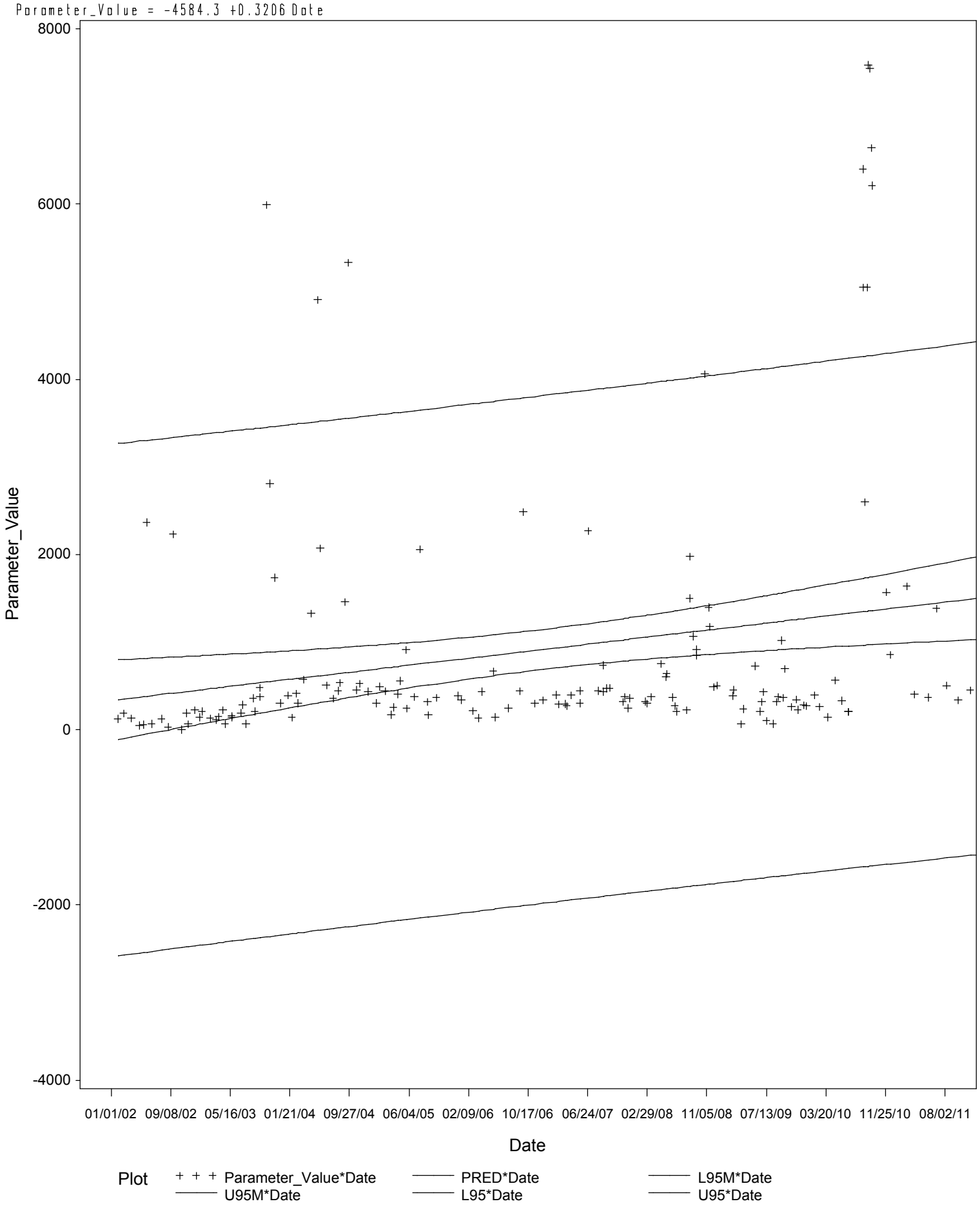
Rio Grande Below Falcon Reservoir

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=17247



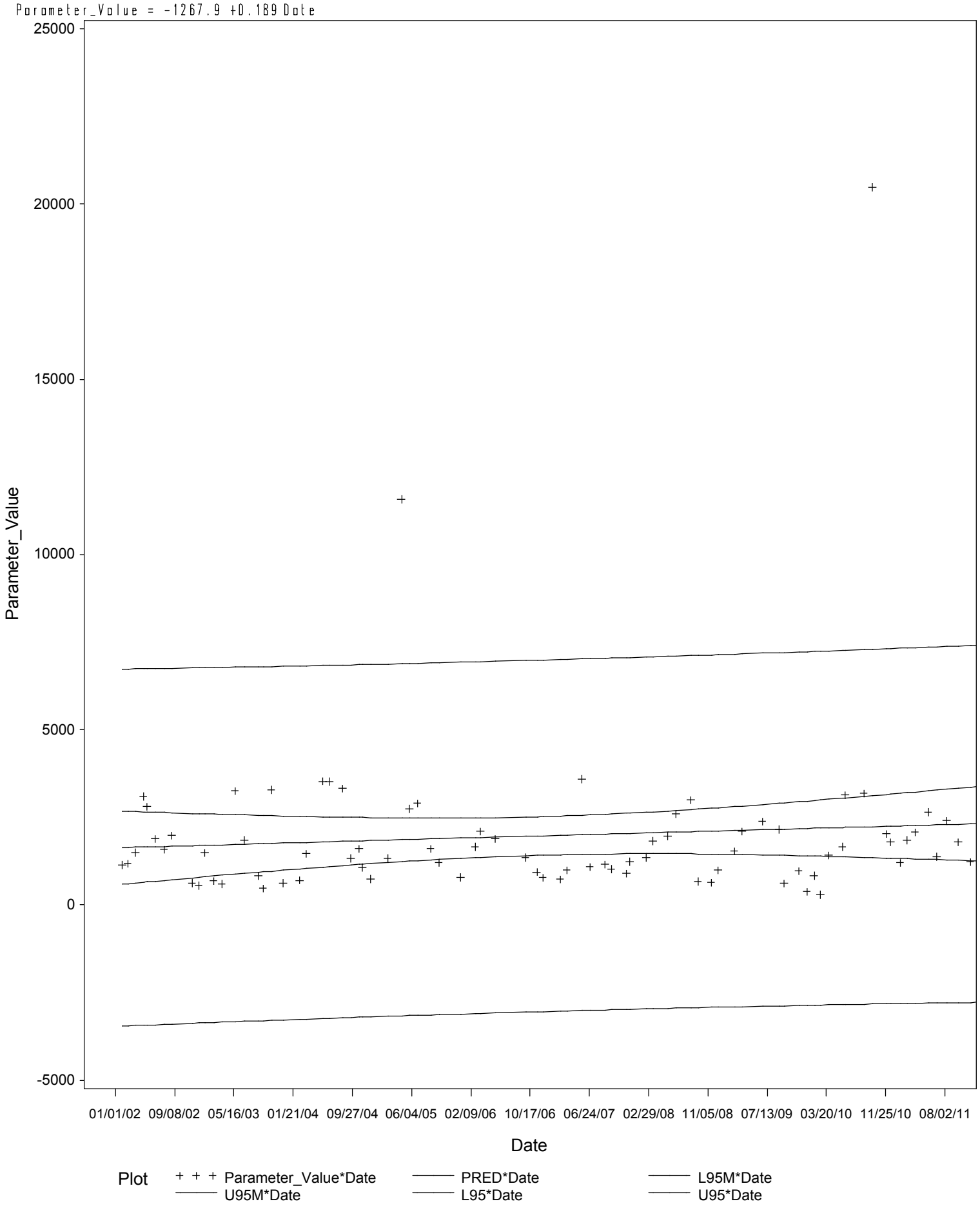
Rio Grande Below Falcon Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13177



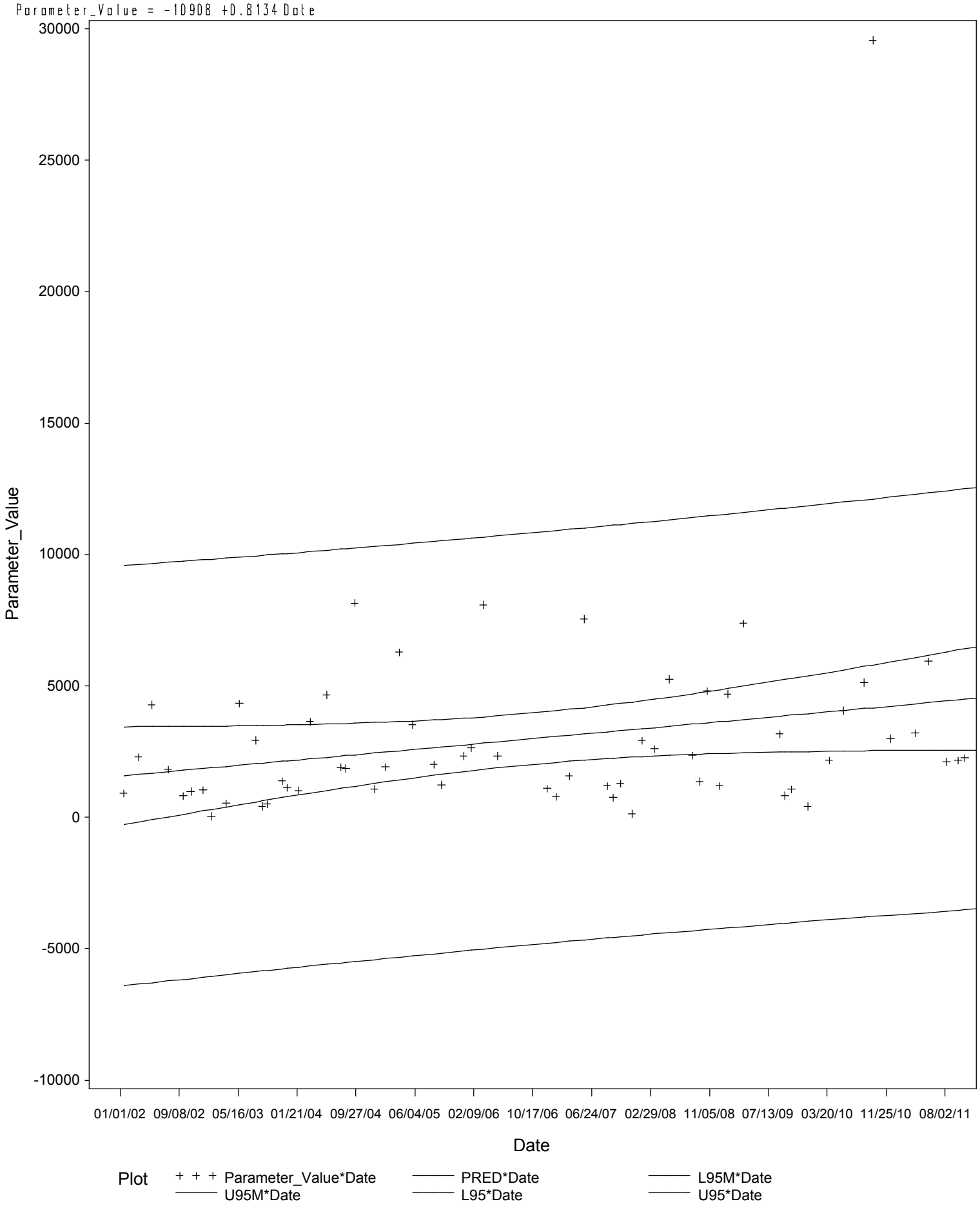
Rio Grande Below Falcon Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13181



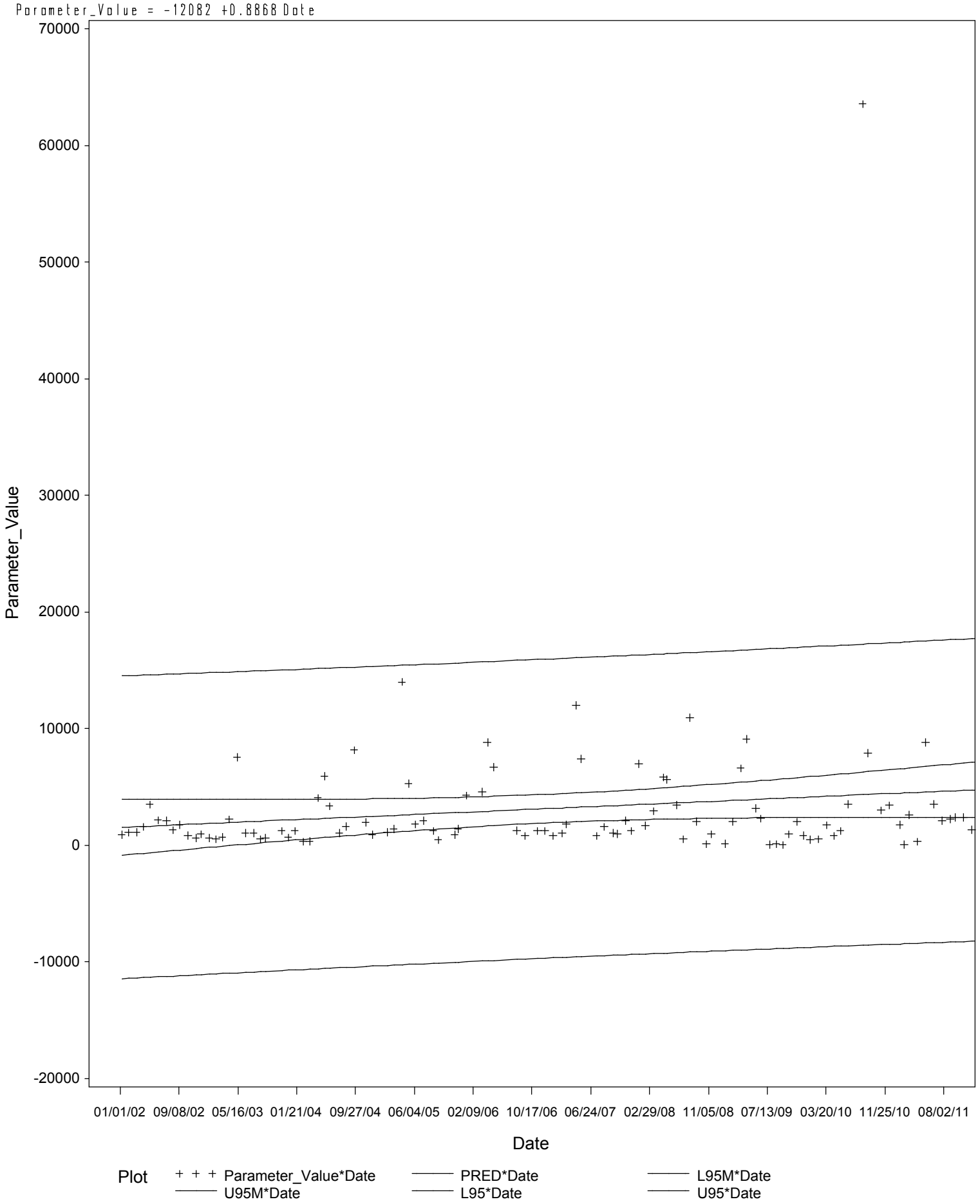
Rio Grande Below Falcon Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13184



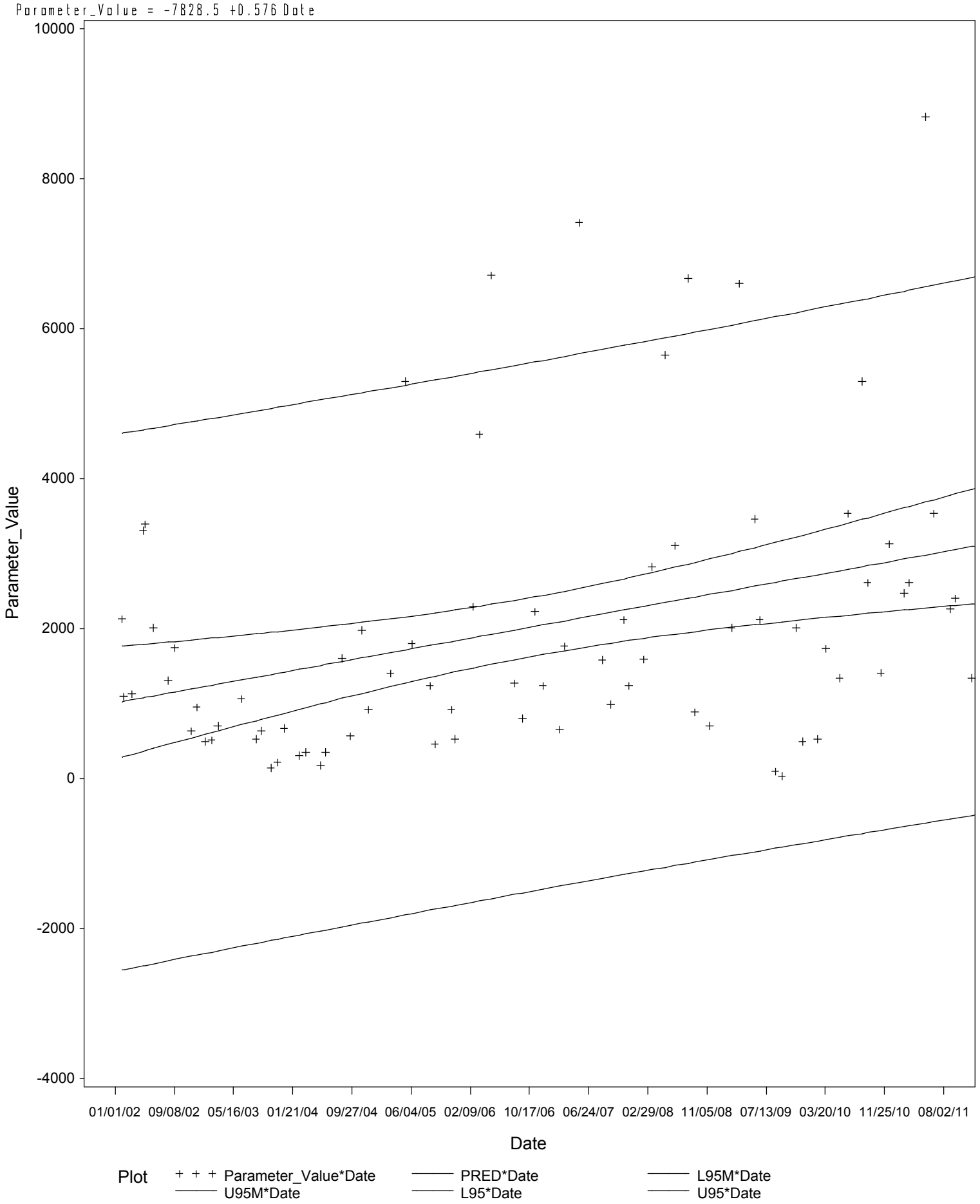
Rio Grande Below Falcon Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13185



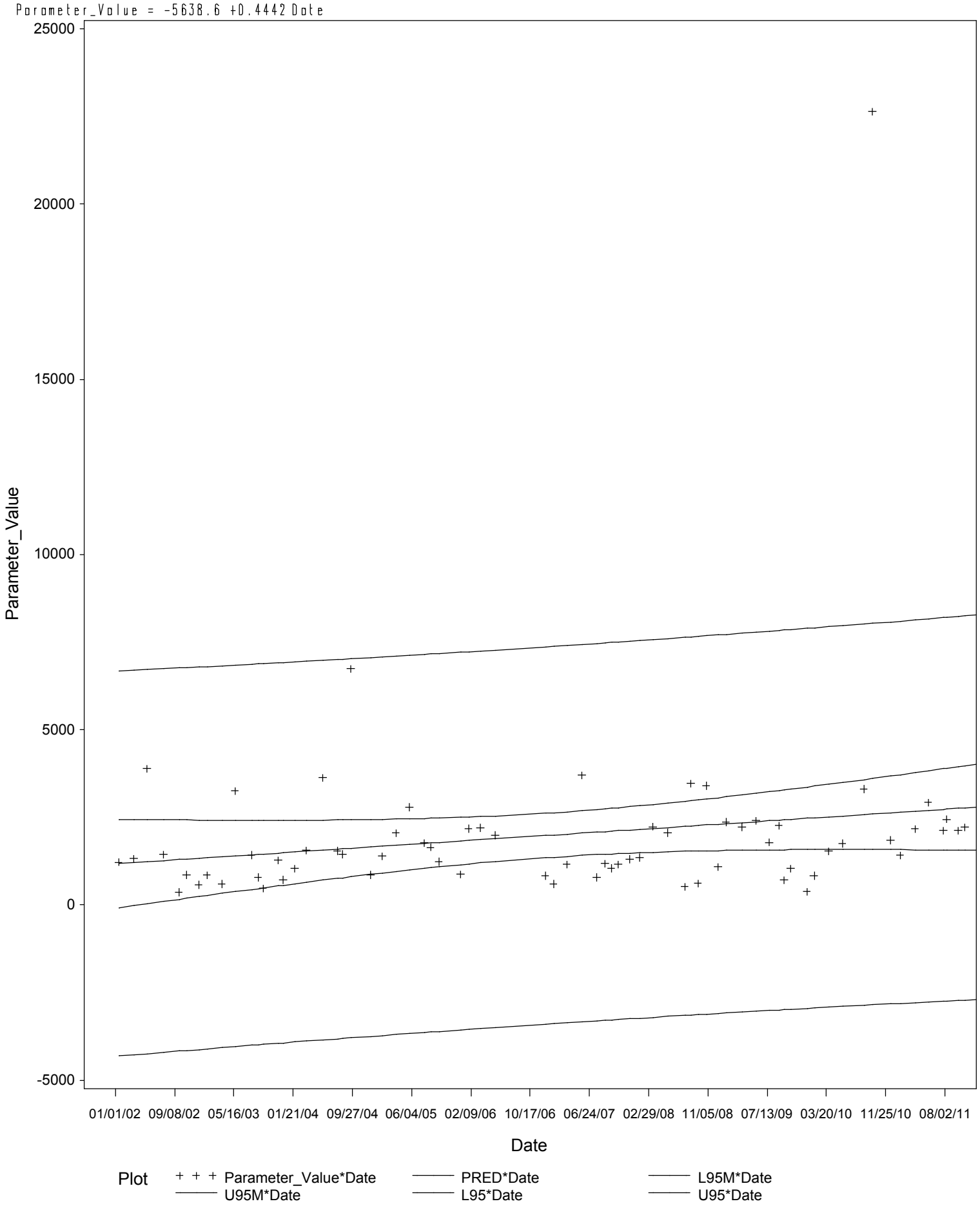
Rio Grande Below Falcon Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13186



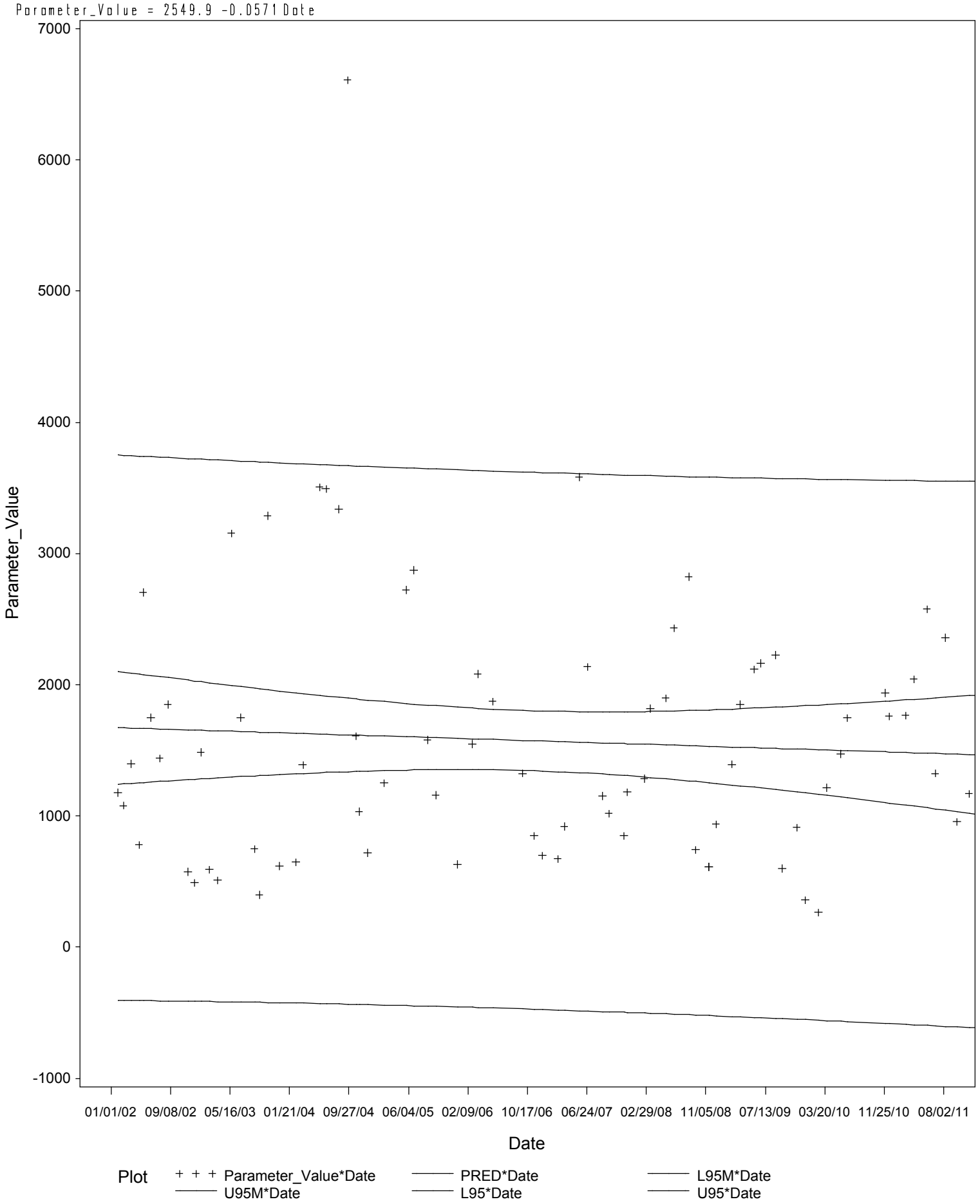
Rio Grande Below Falcon Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=13664



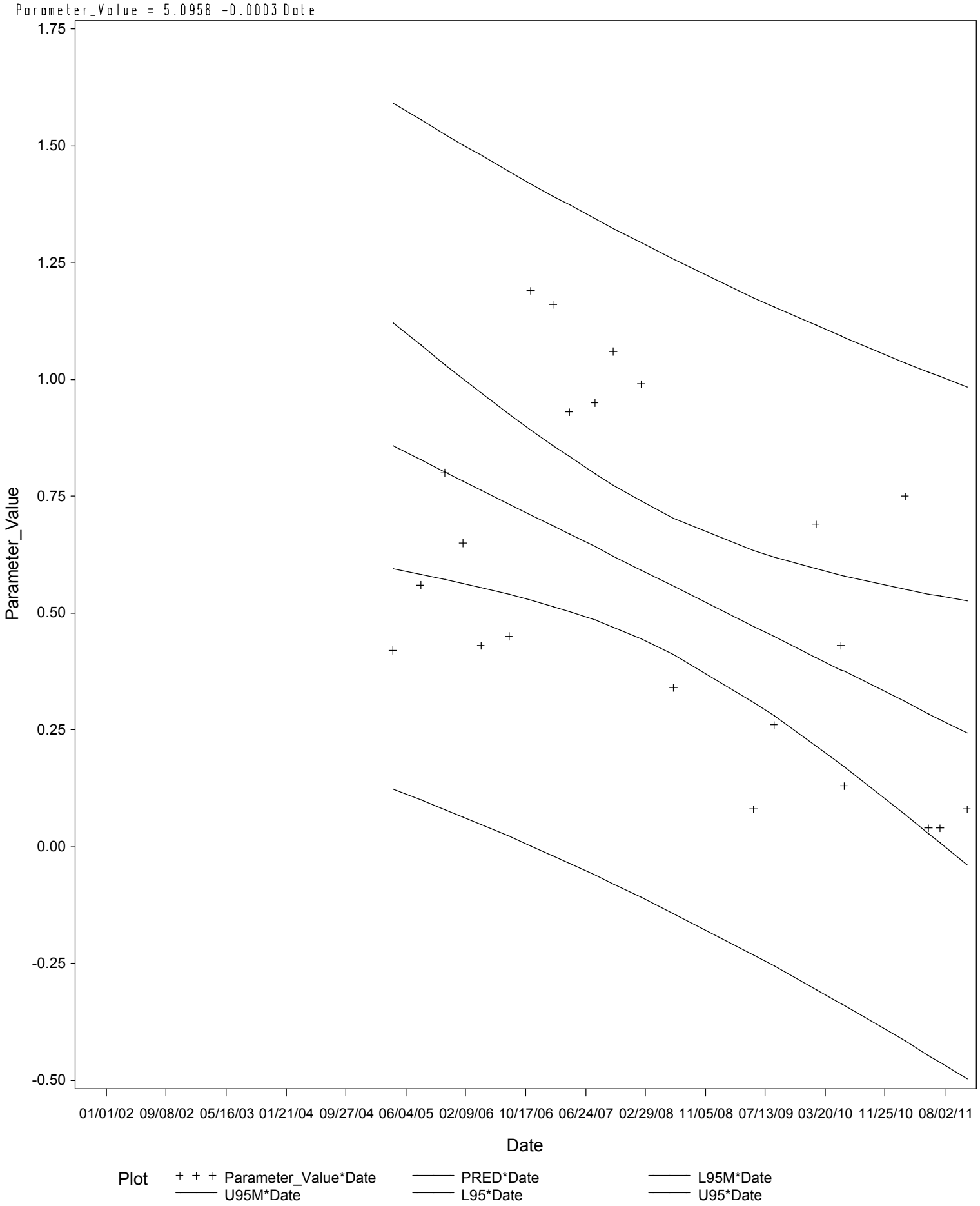
Rio Grande Below Falcon Reservoir

Parameter=FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Station=15808



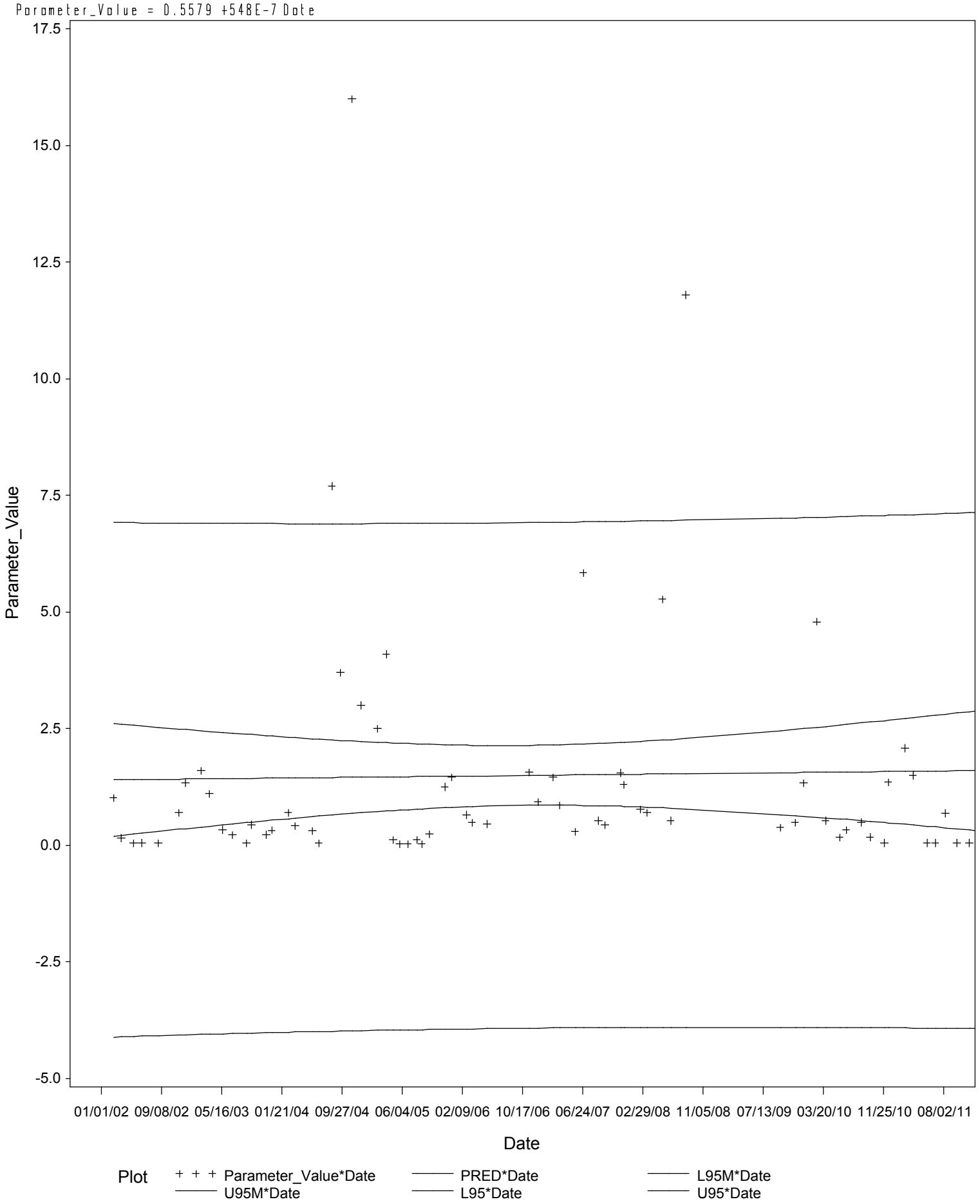
Rio Grande Below Falcon Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=10249



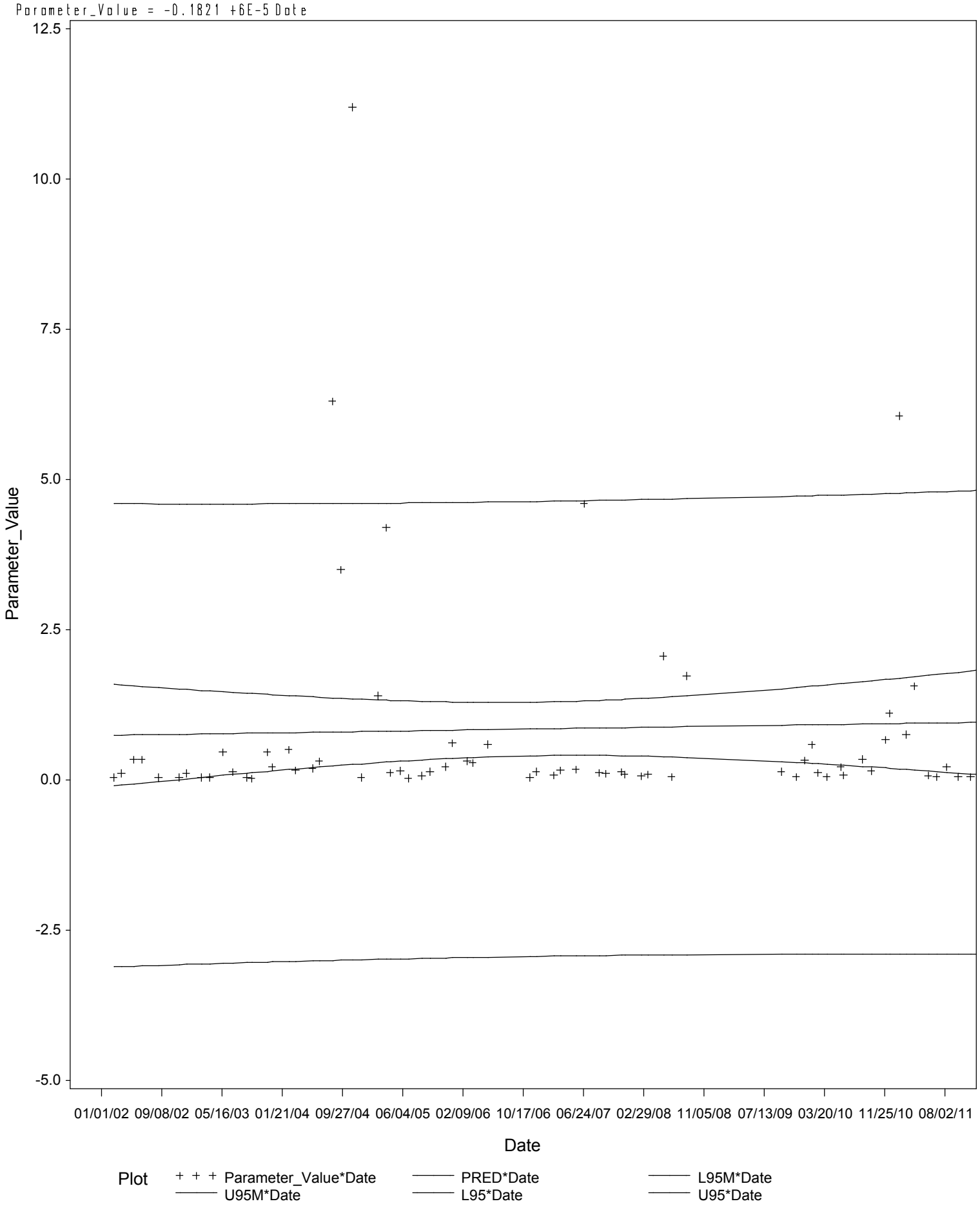
Rio Grande Below Falcon Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13177



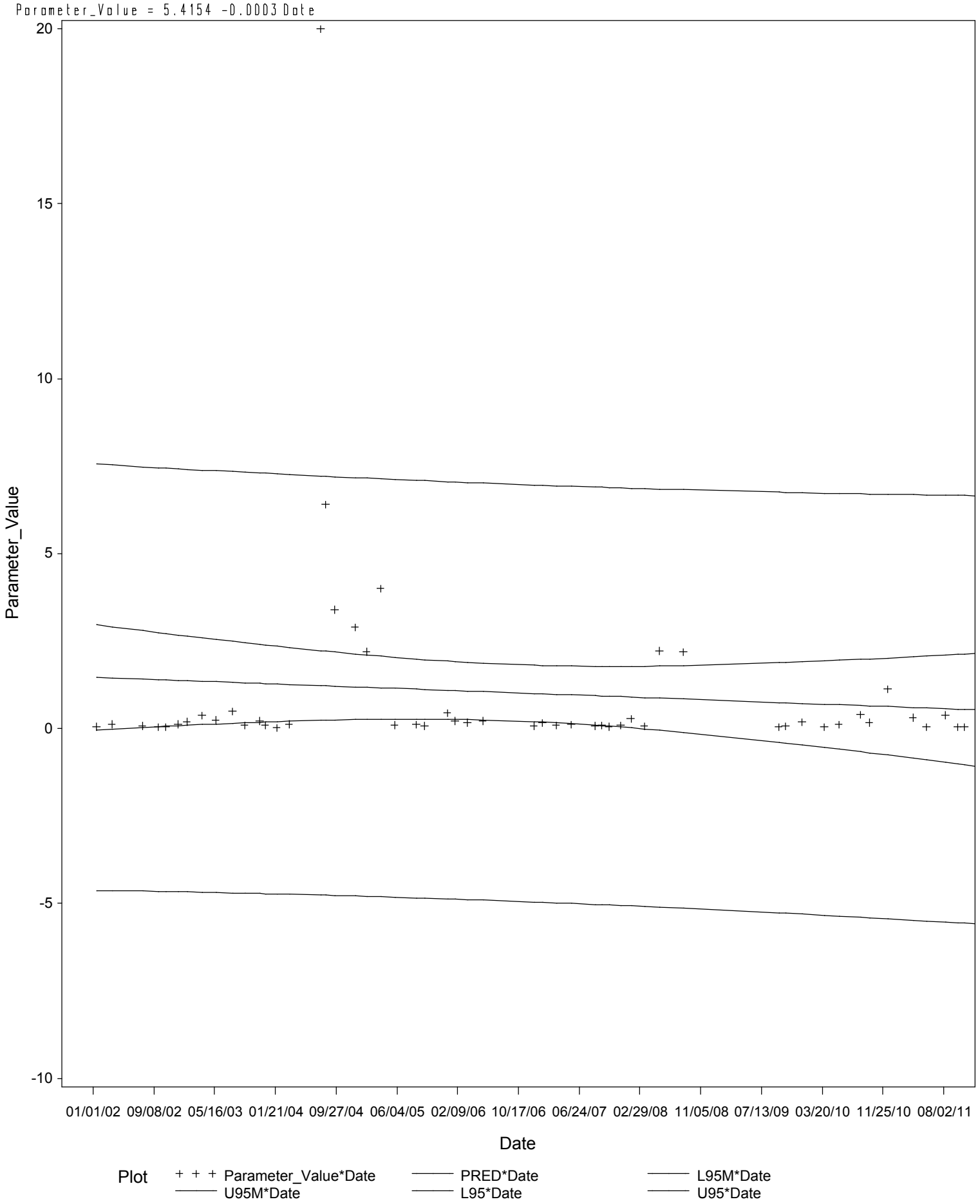
Rio Grande Below Falcon Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13181



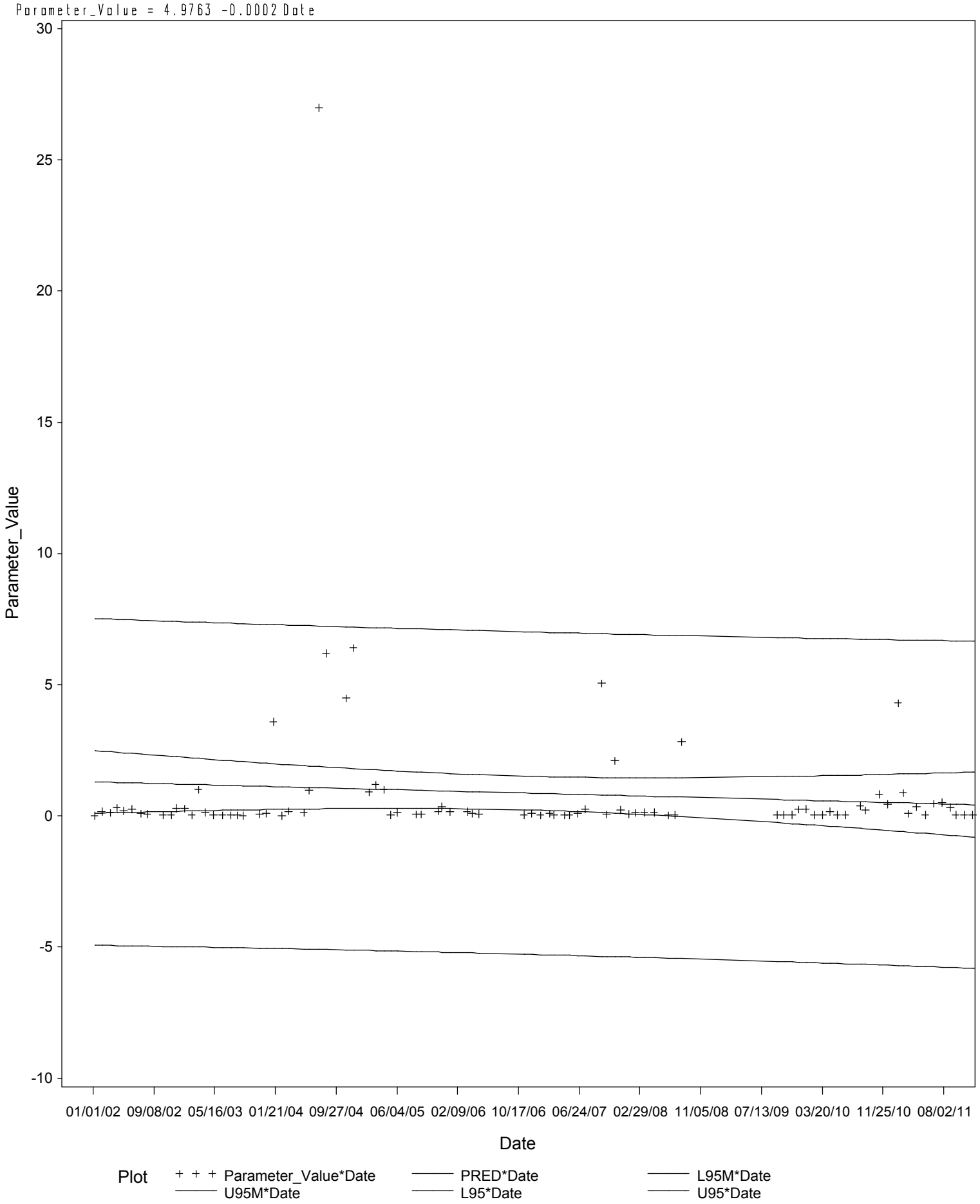
Rio Grande Below Falcon Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13184



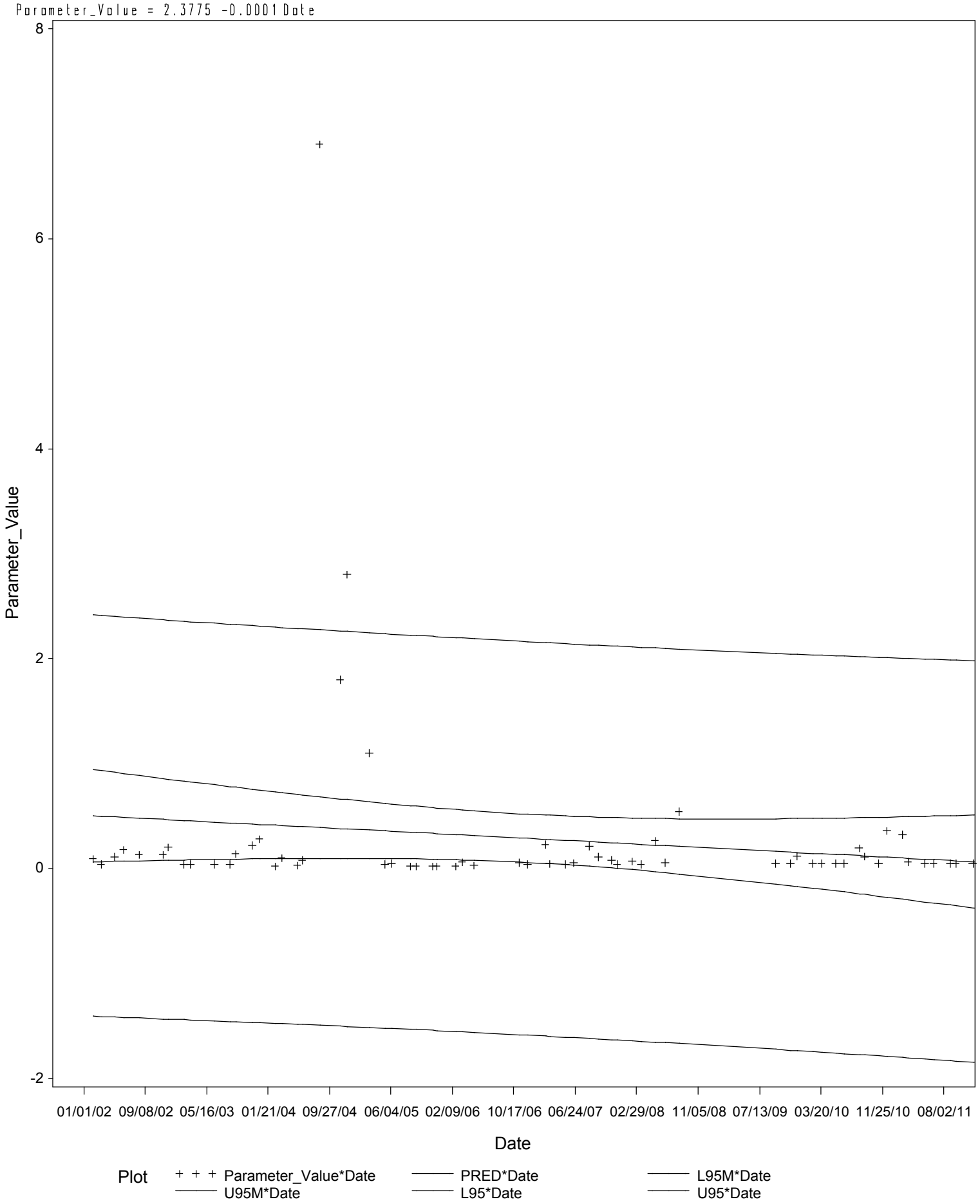
Rio Grande Below Falcon Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13185



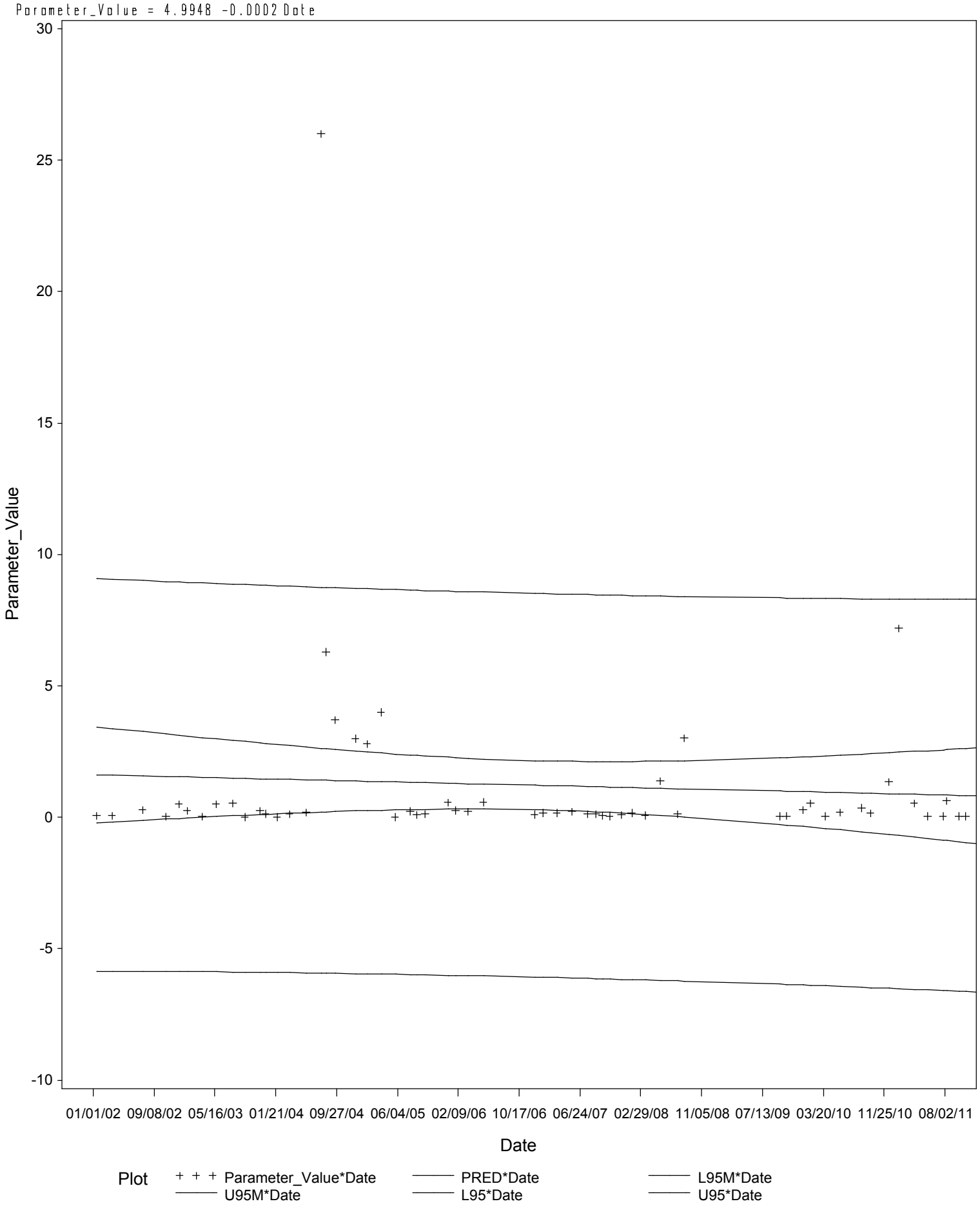
Rio Grande Below Falcon Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13186



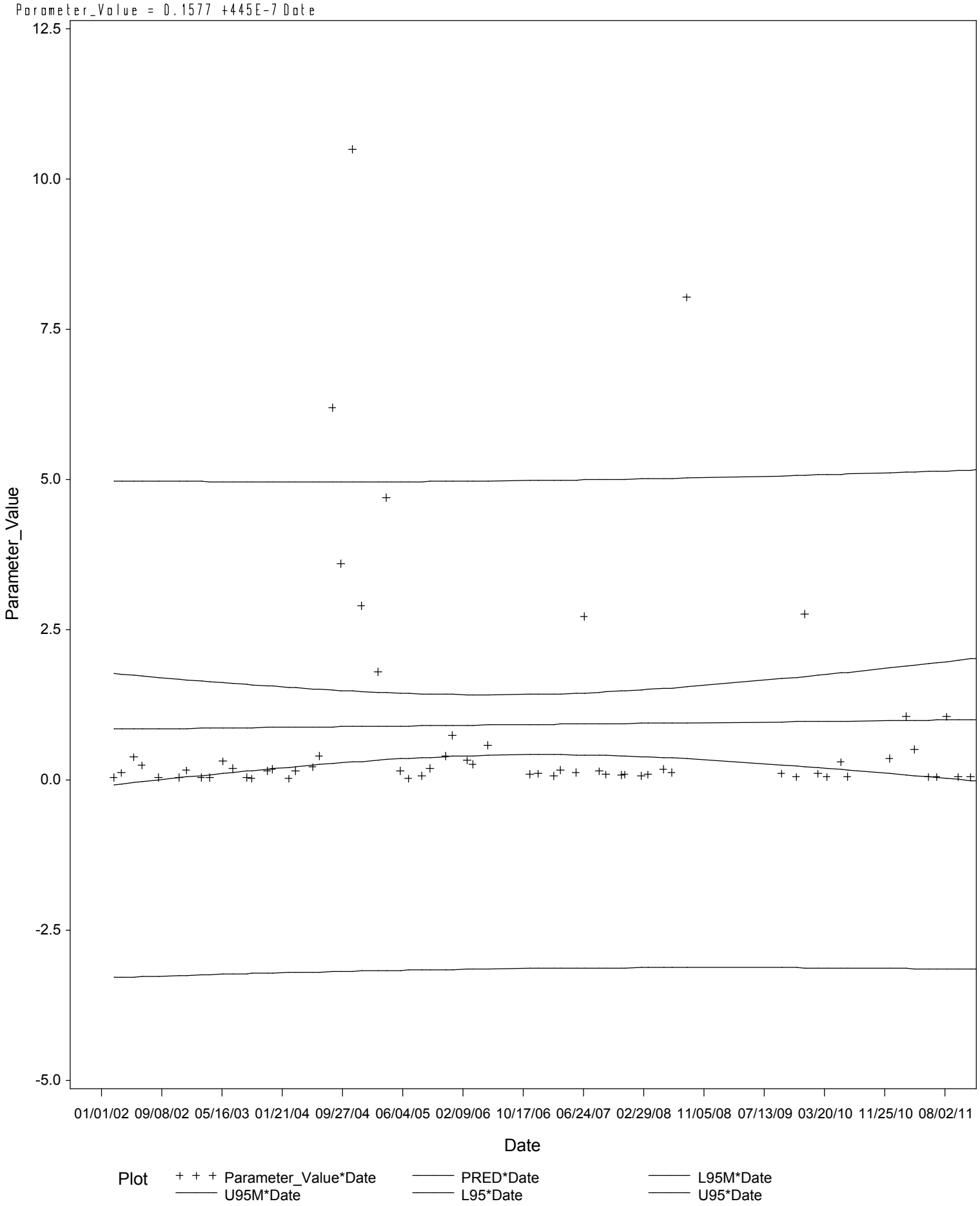
Rio Grande Below Falcon Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=13664



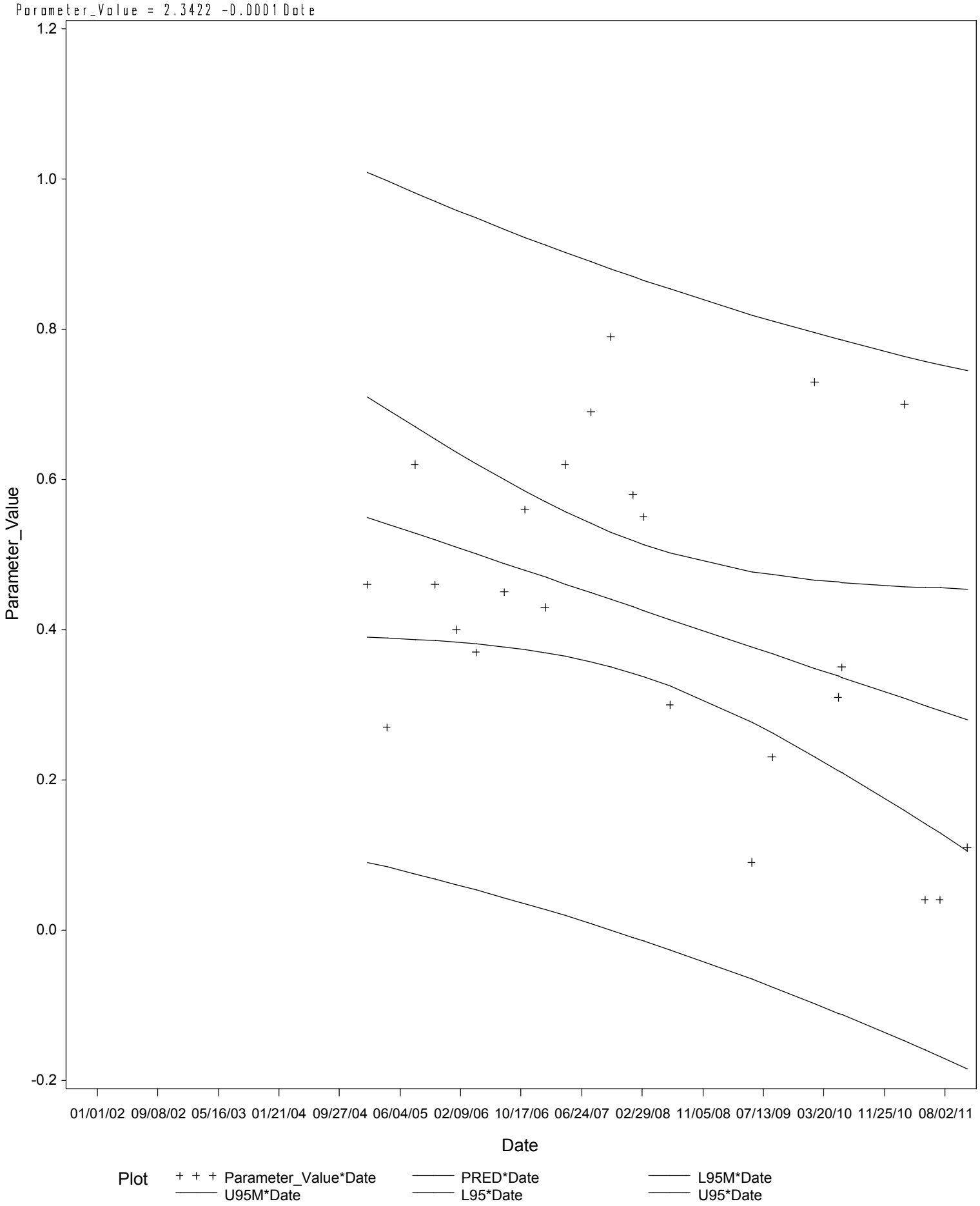
Rio Grande Below Falcon Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=15808



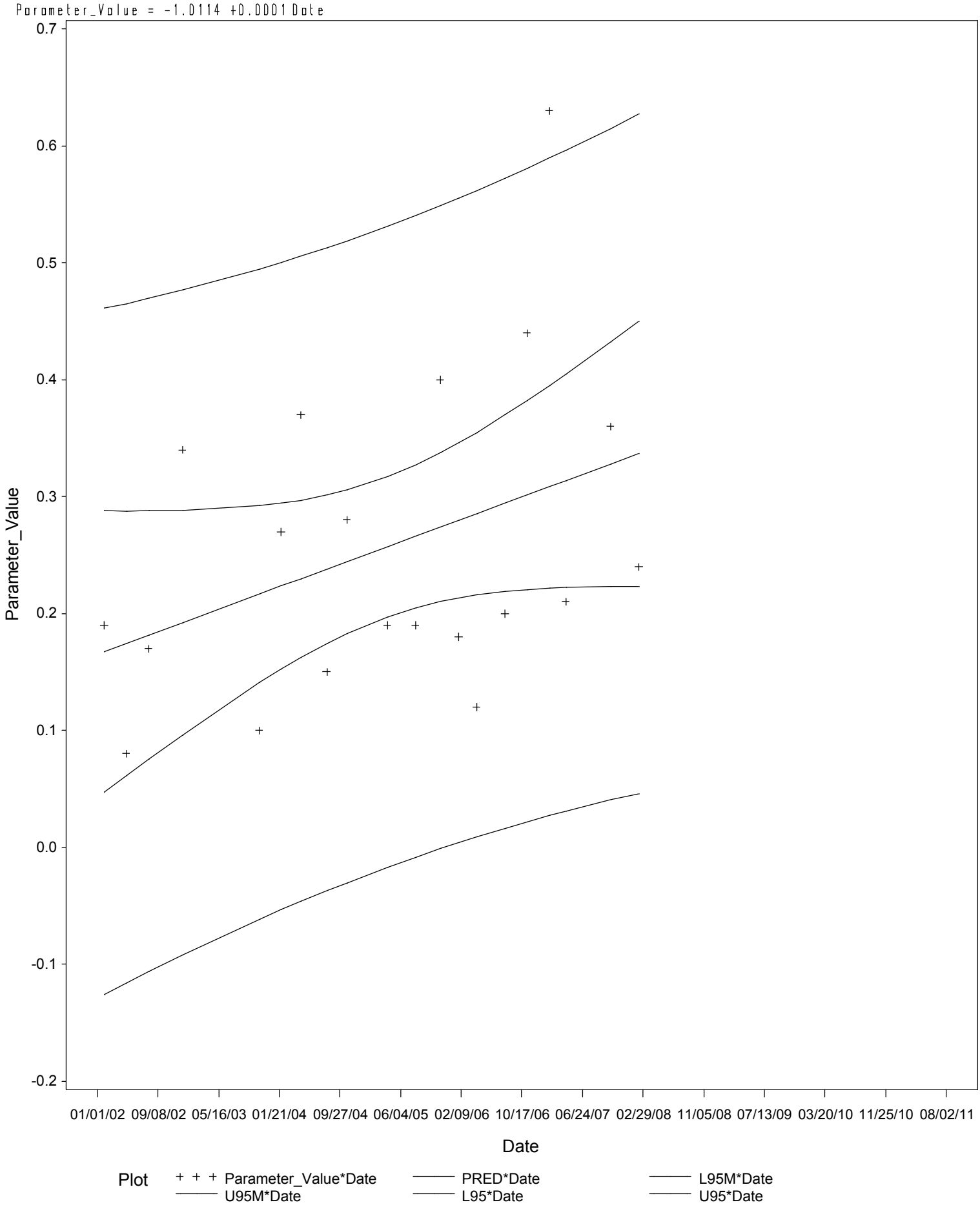
Rio Grande Below Falcon Reservoir

Parameter=NITRATE NITROGEN, (MG/L AS N) Station=17247



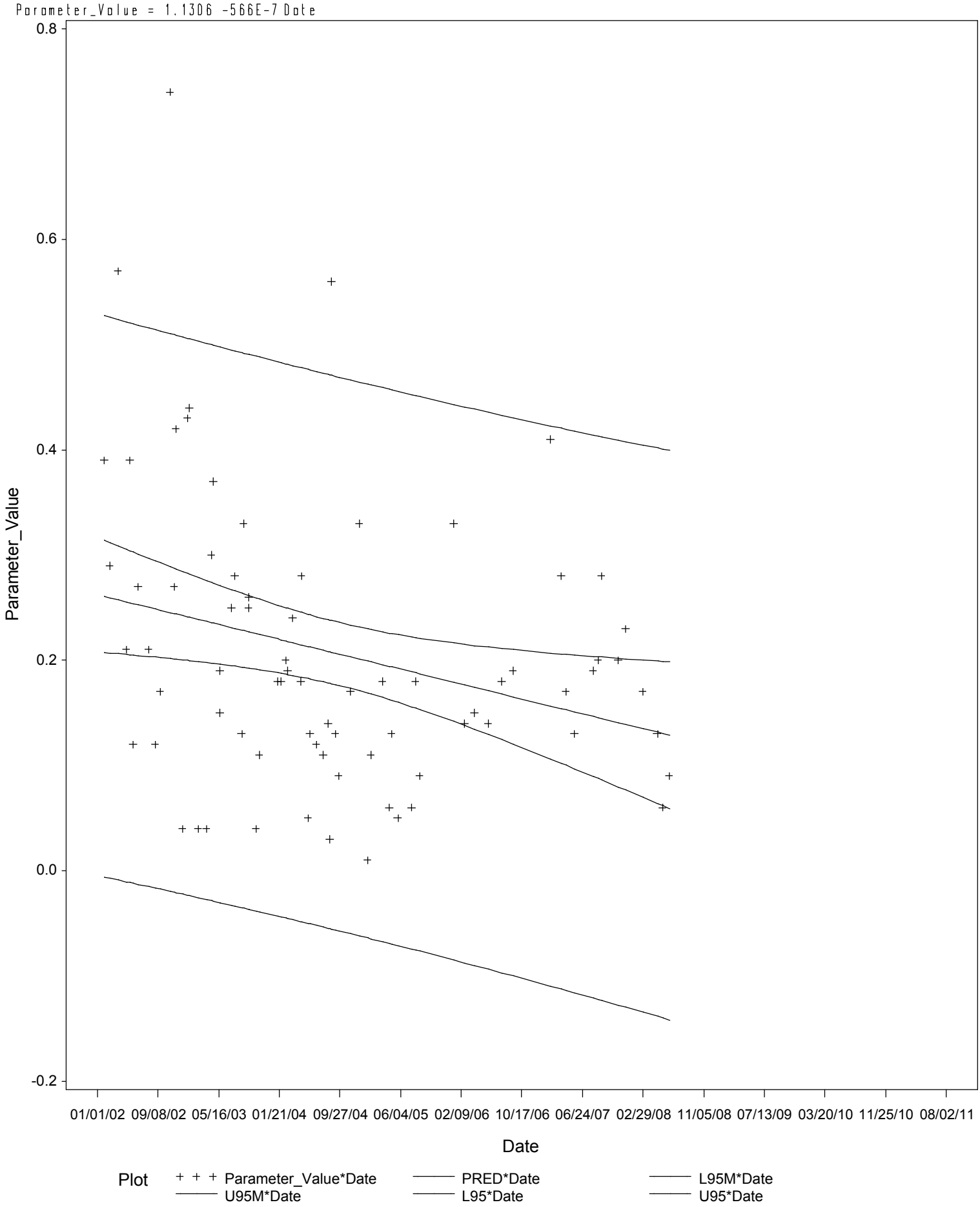
Rio Grande Below Falcon Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=10249



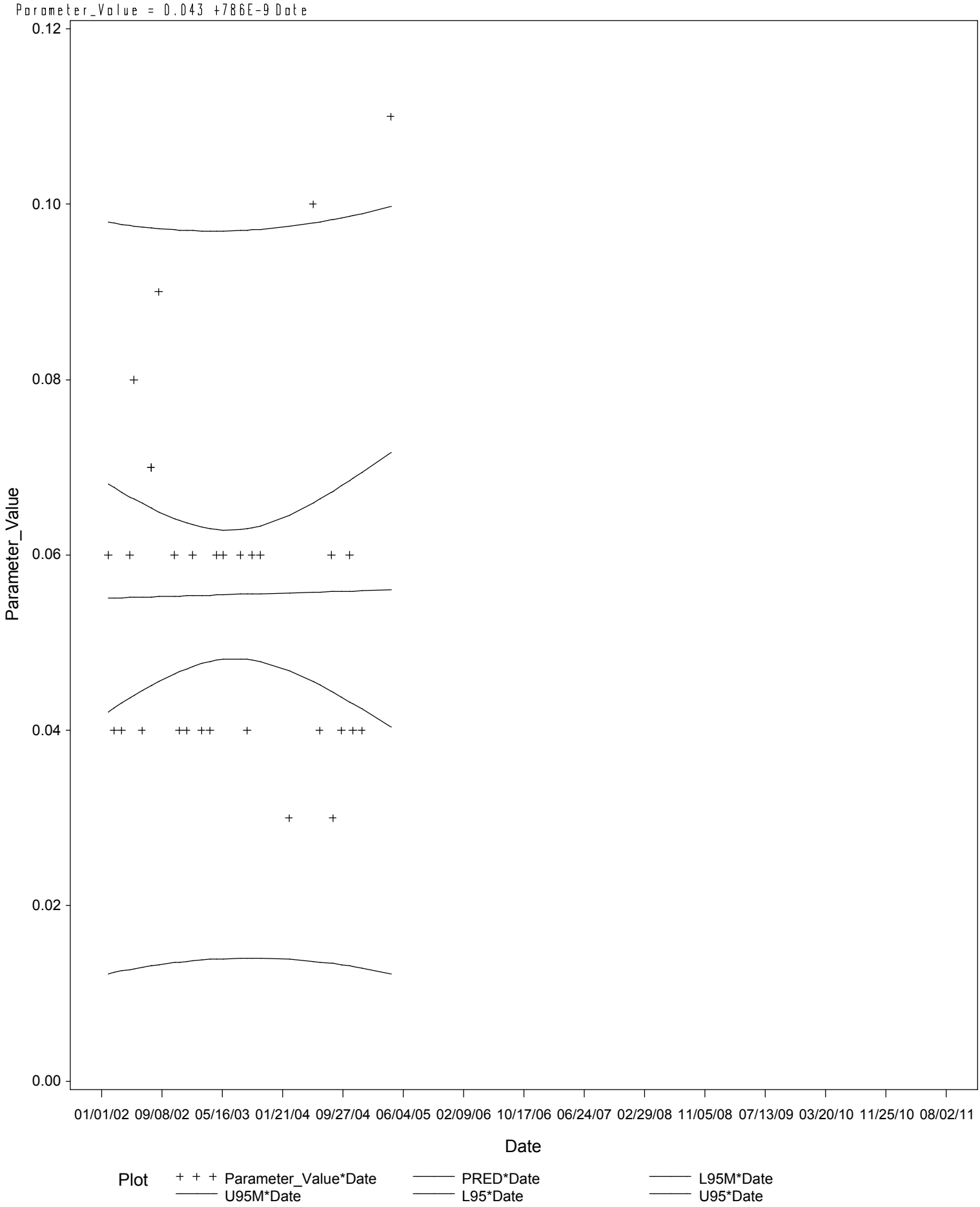
Rio Grande Below Falcon Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13177



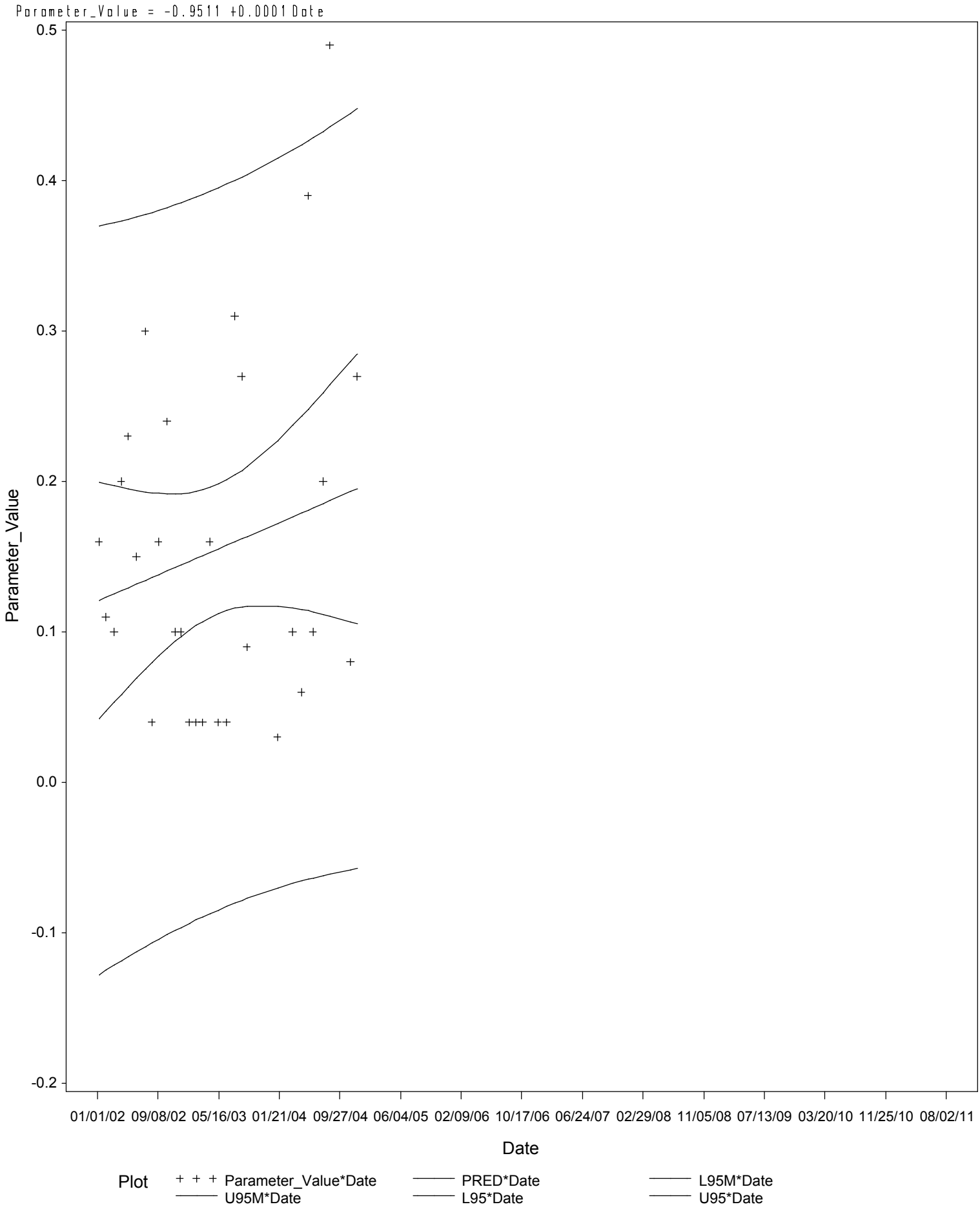
Rio Grande Below Falcon Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13181



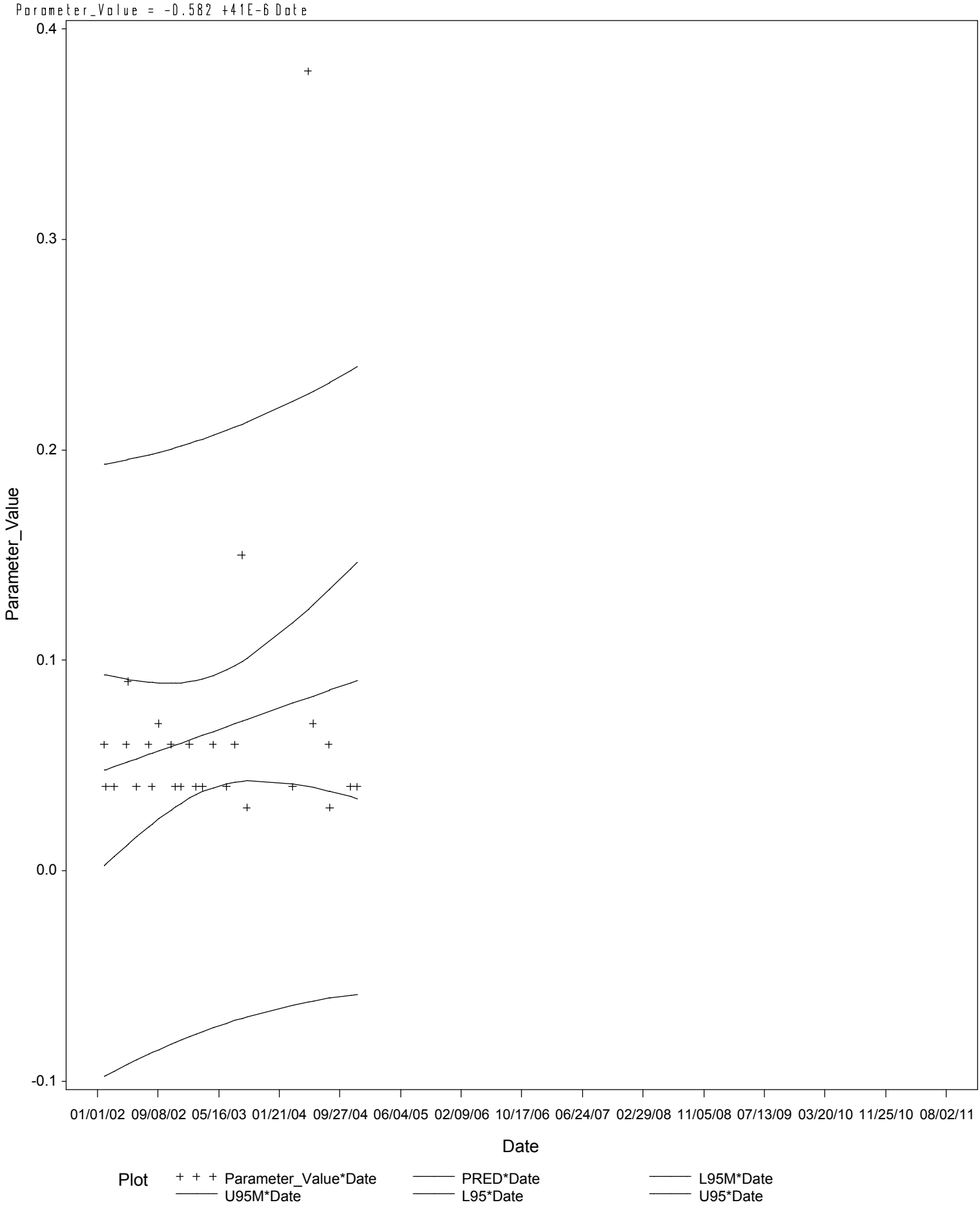
Rio Grande Below Falcon Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13185



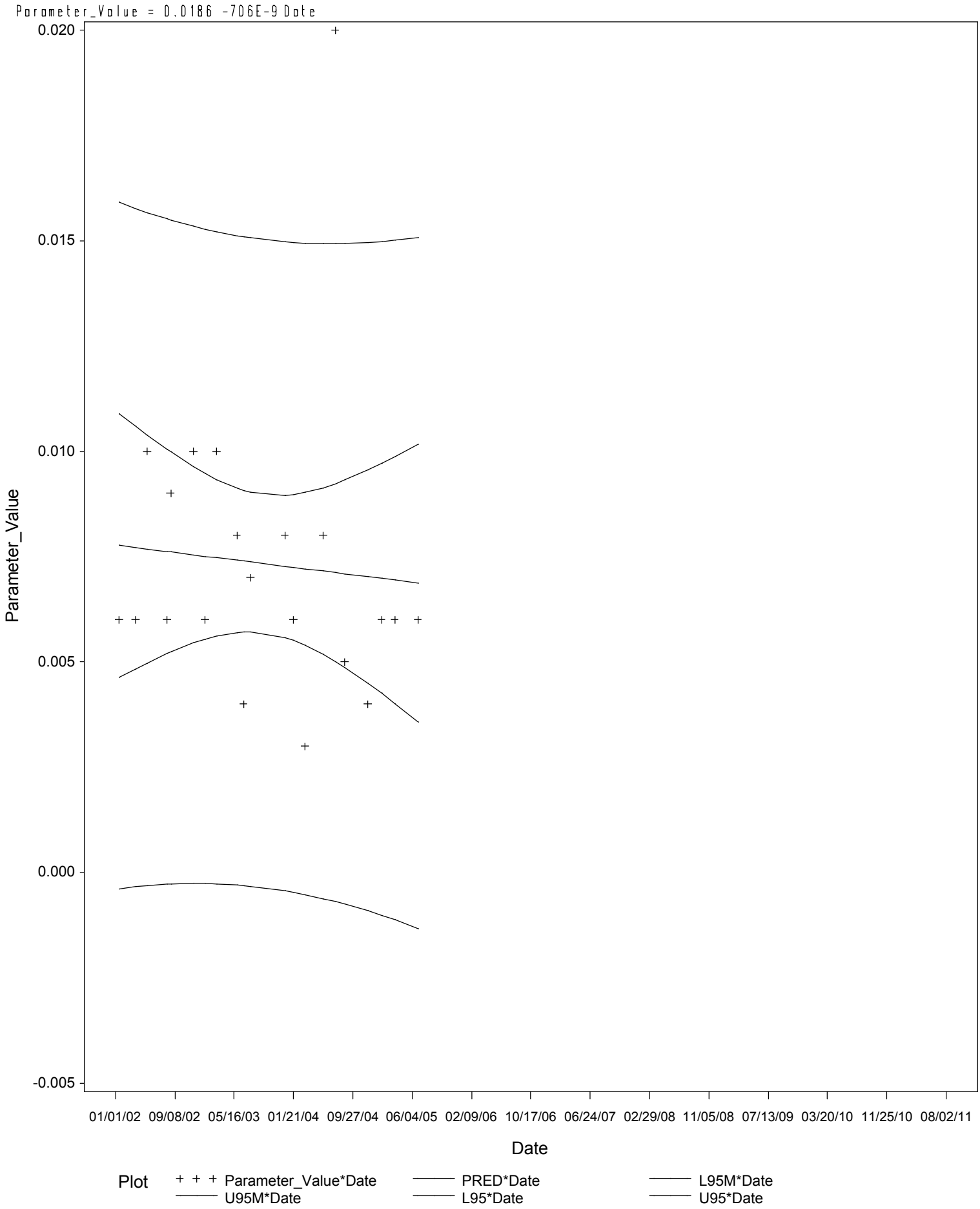
Rio Grande Below Falcon Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13186



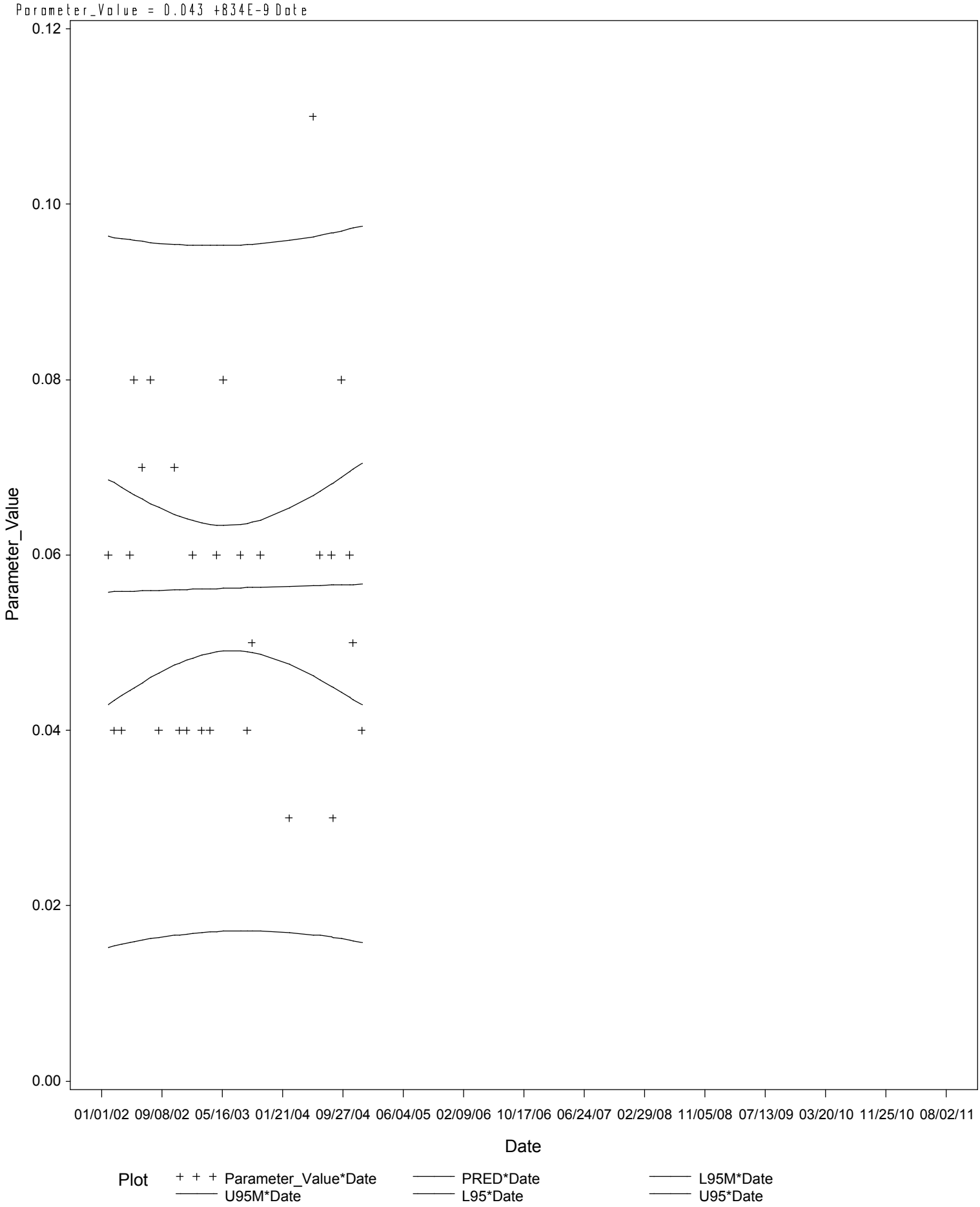
Rio Grande Below Falcon Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=13188



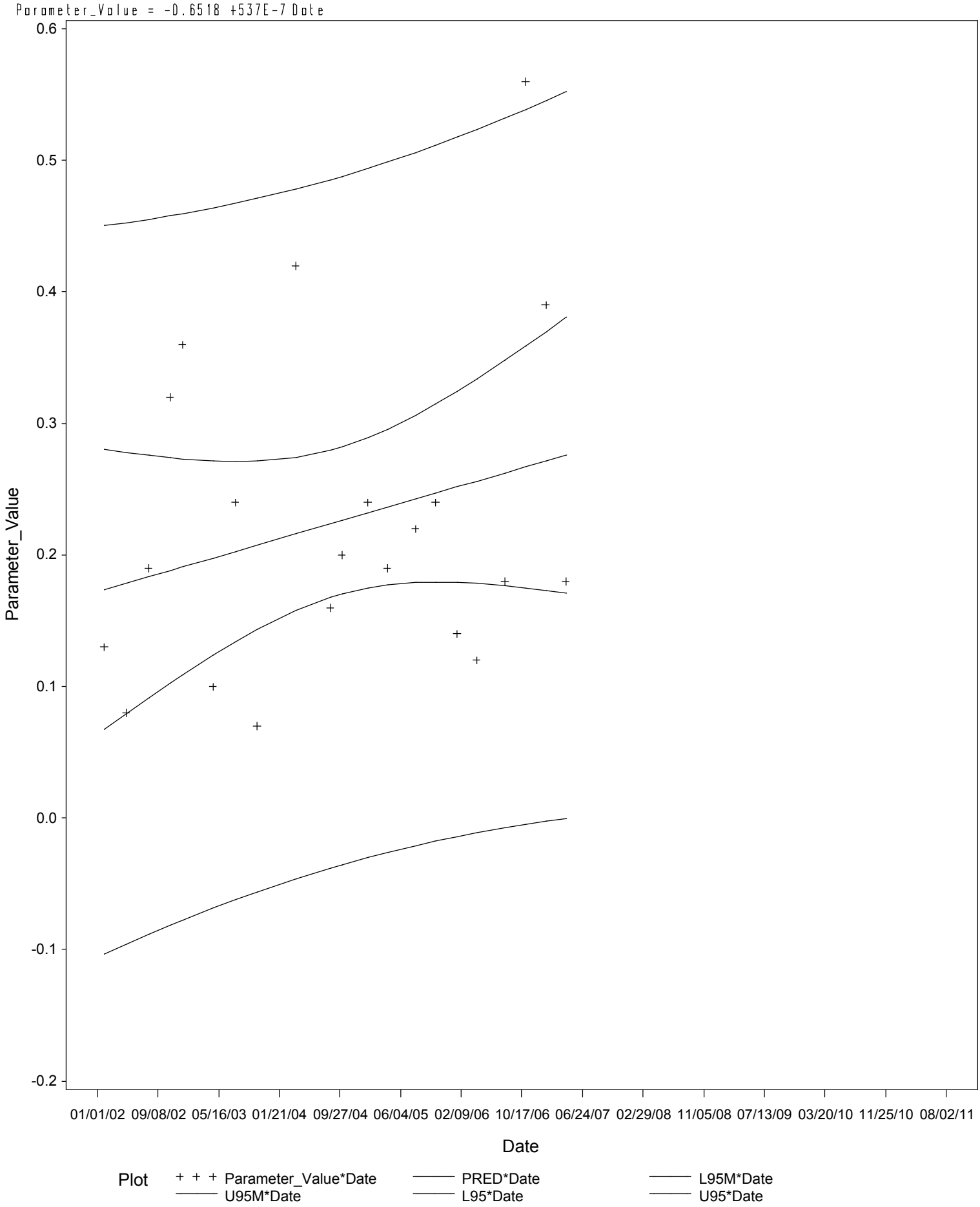
Rio Grande Below Falcon Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=15808



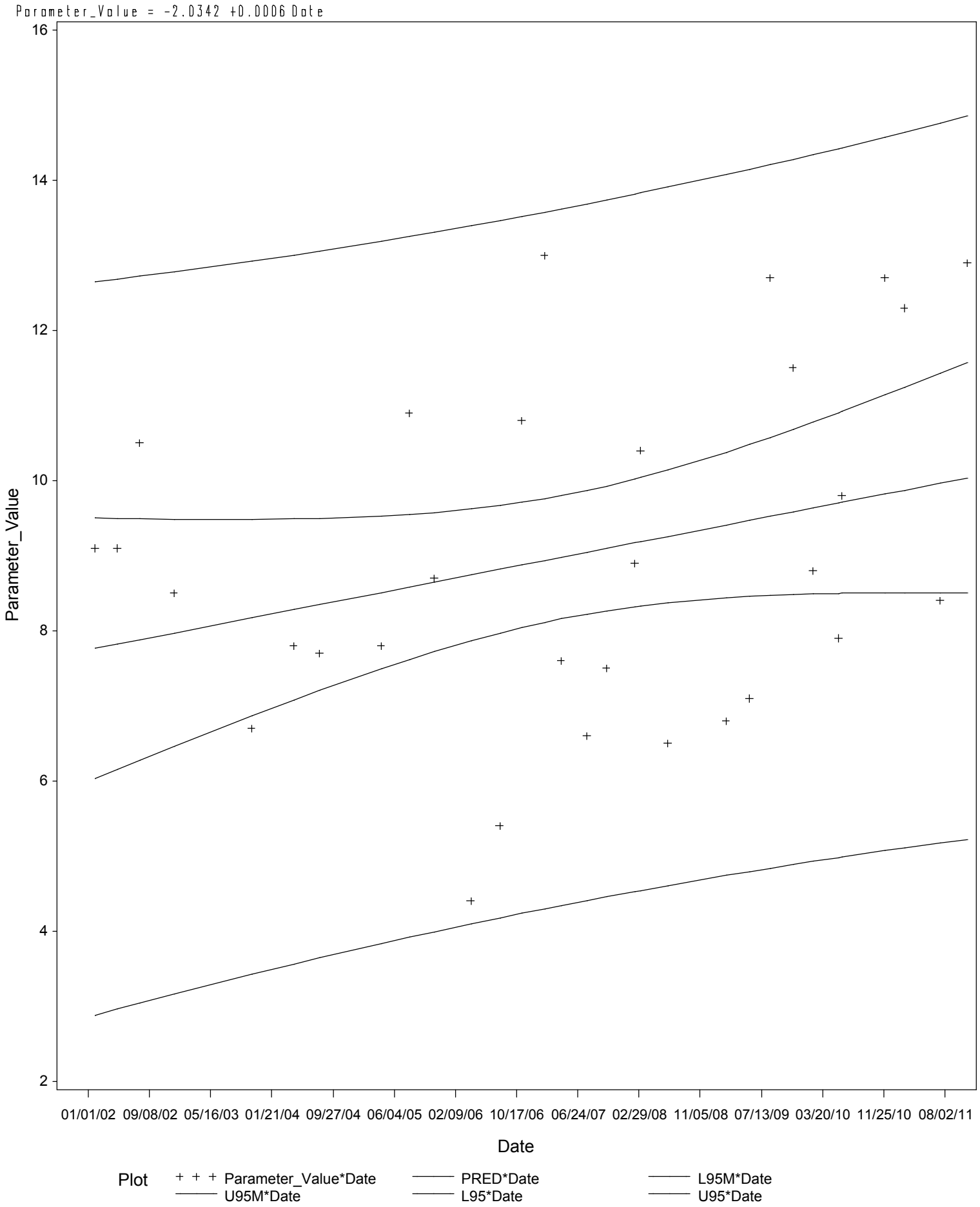
Rio Grande Below Falcon Reservoir

Parameter=ORTHOPHOSPHATE PHOSPHORUS,MG/L Station=17247



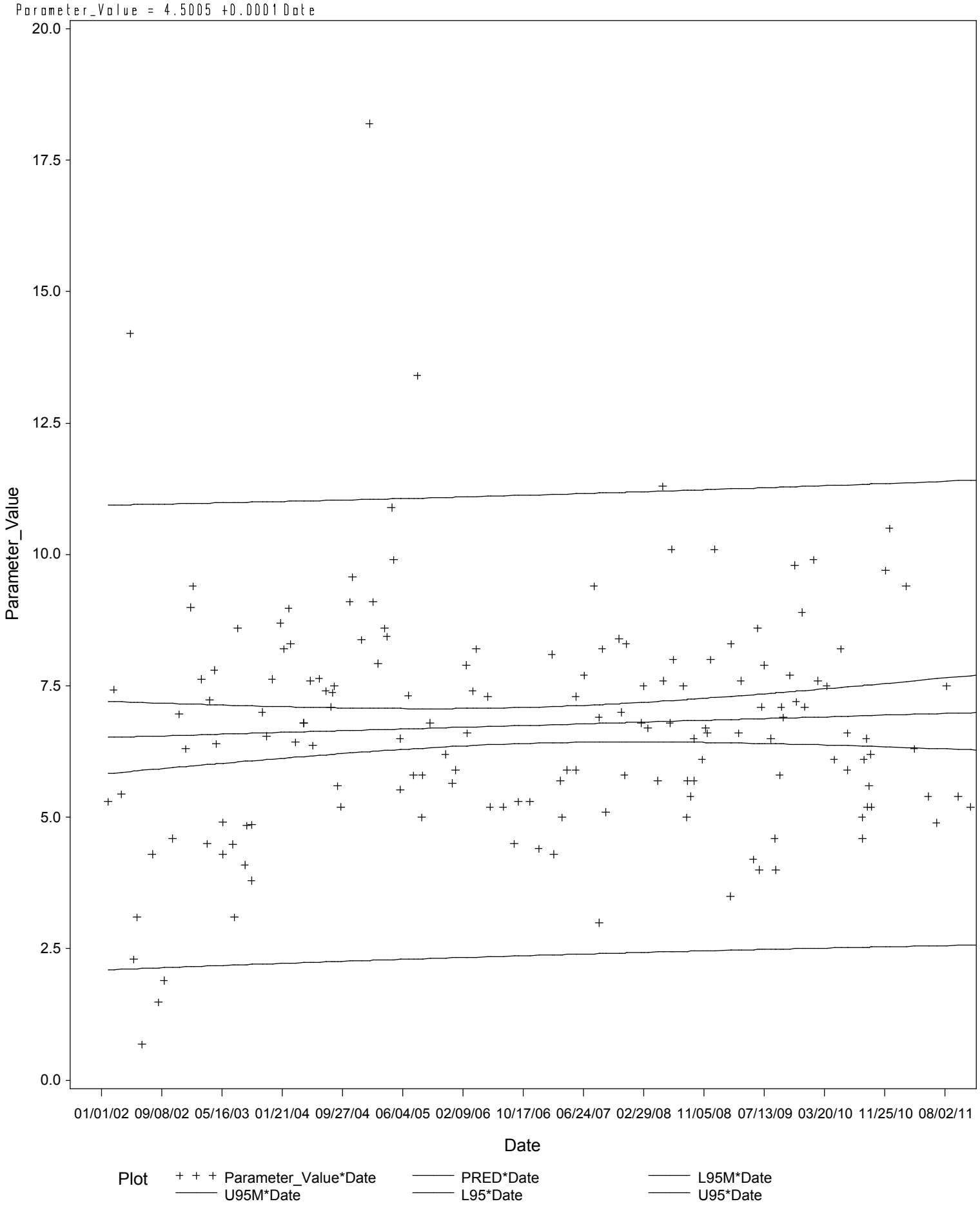
Rio Grande Below Falcon Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=10249



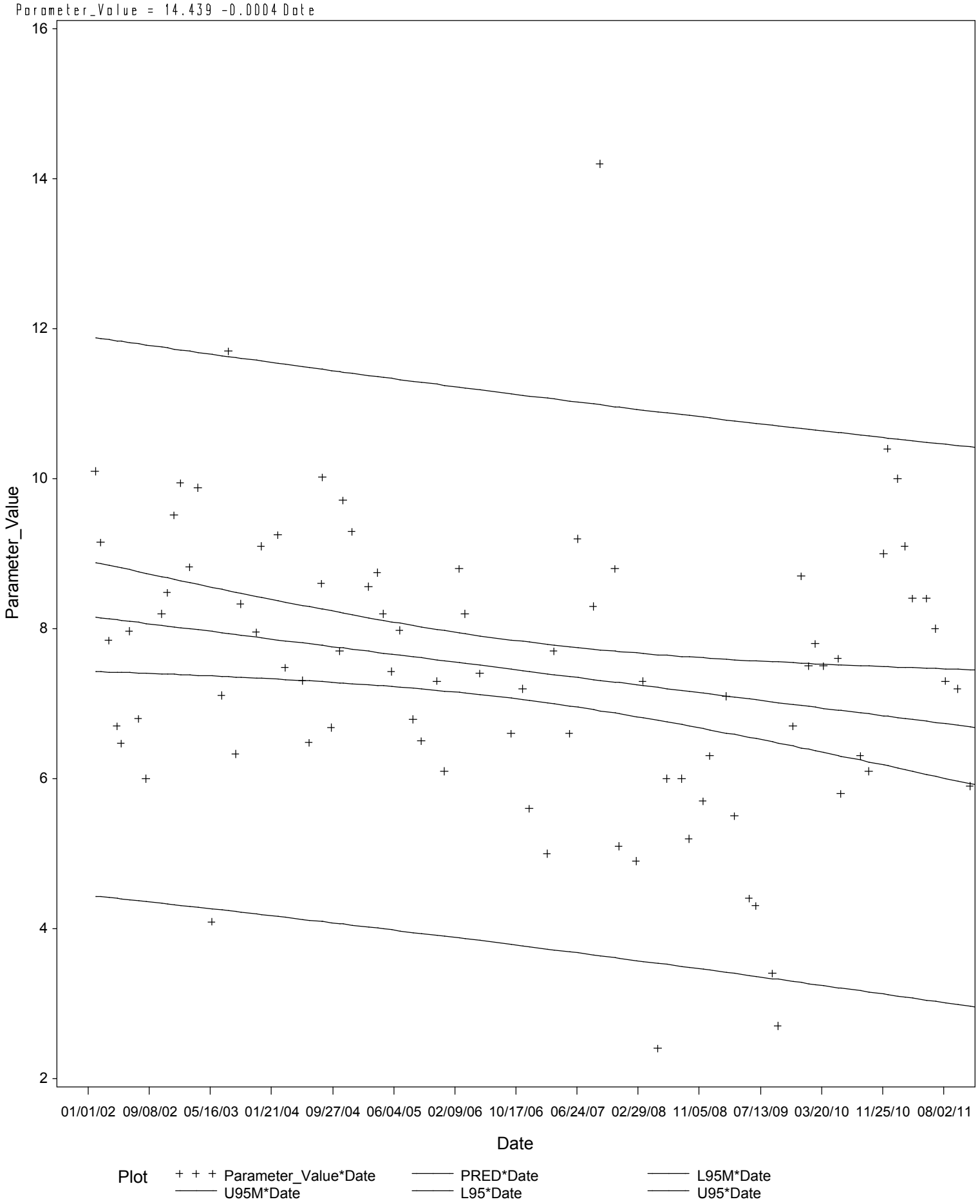
Rio Grande Below Falcon Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13177



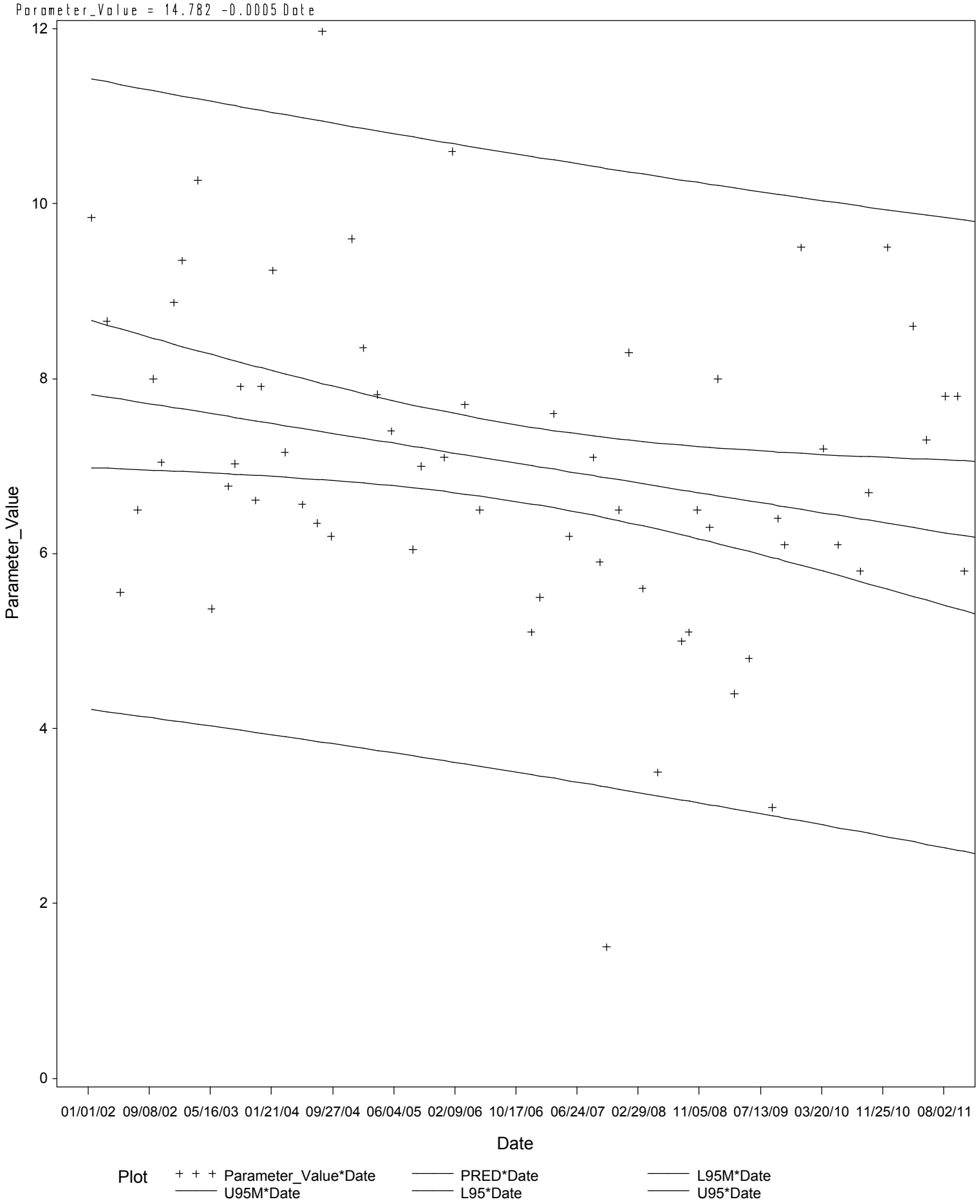
Rio Grande Below Falcon Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13181



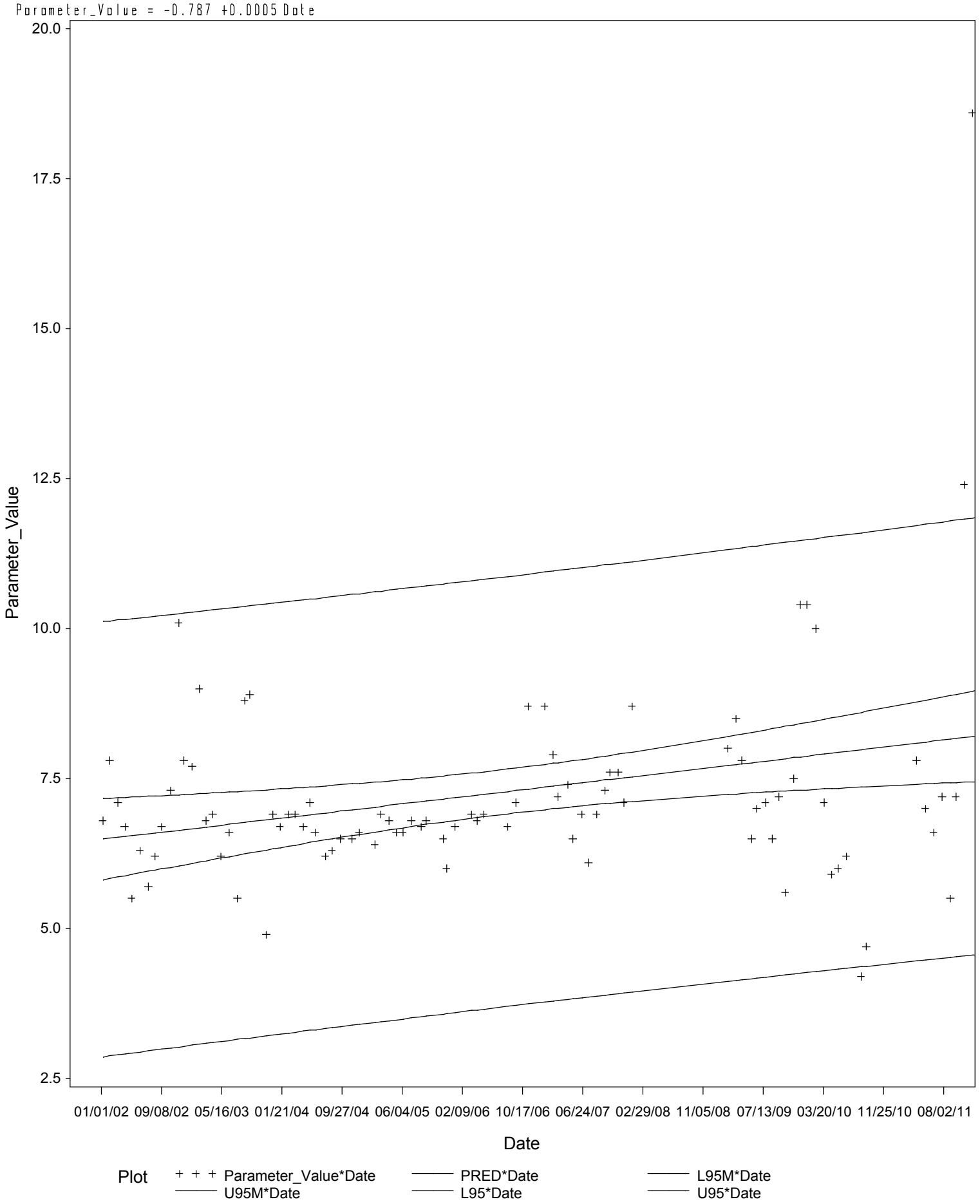
Rio Grande Below Falcon Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13184



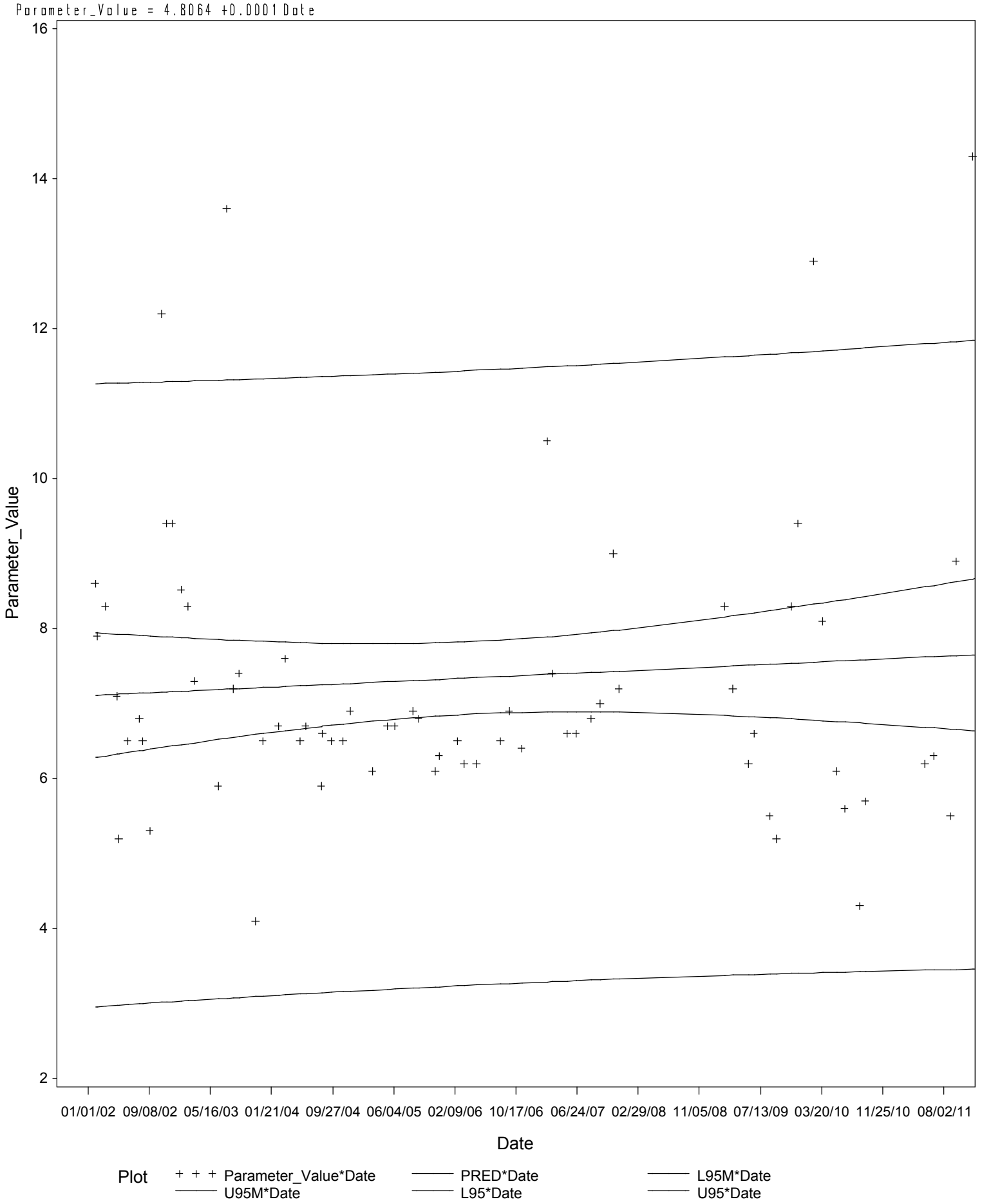
Rio Grande Below Falcon Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13185



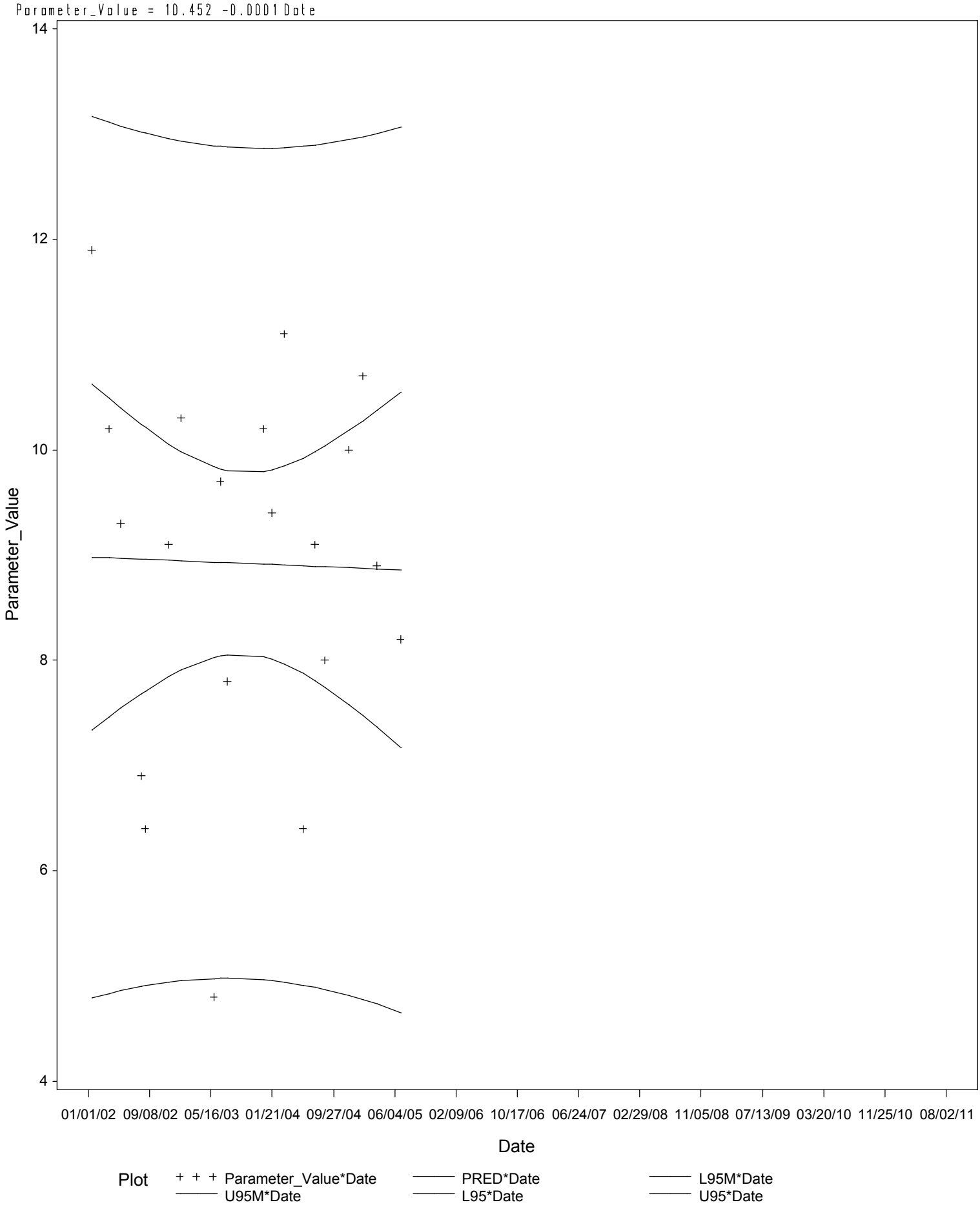
Rio Grande Below Falcon Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13186



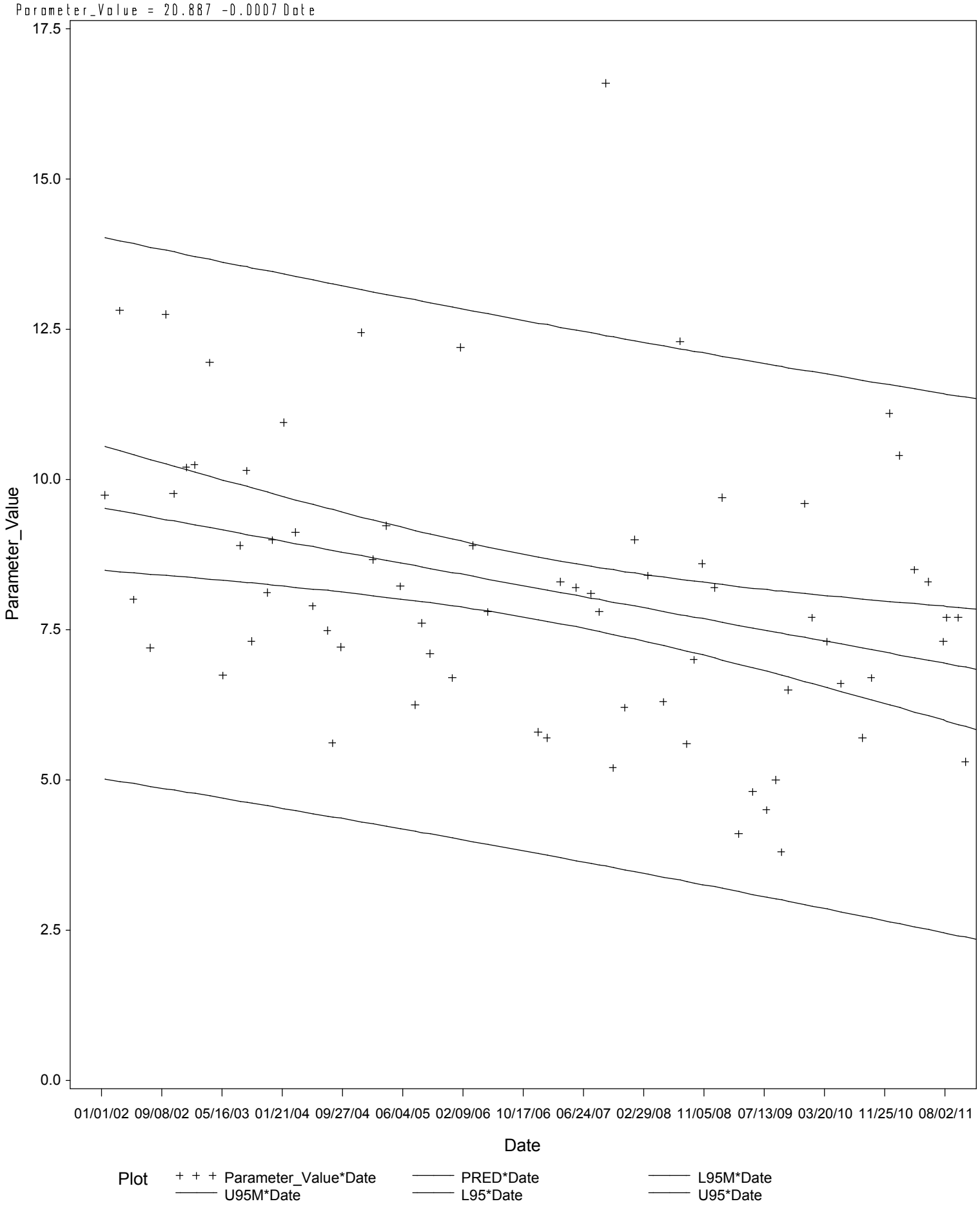
Rio Grande Below Falcon Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13188



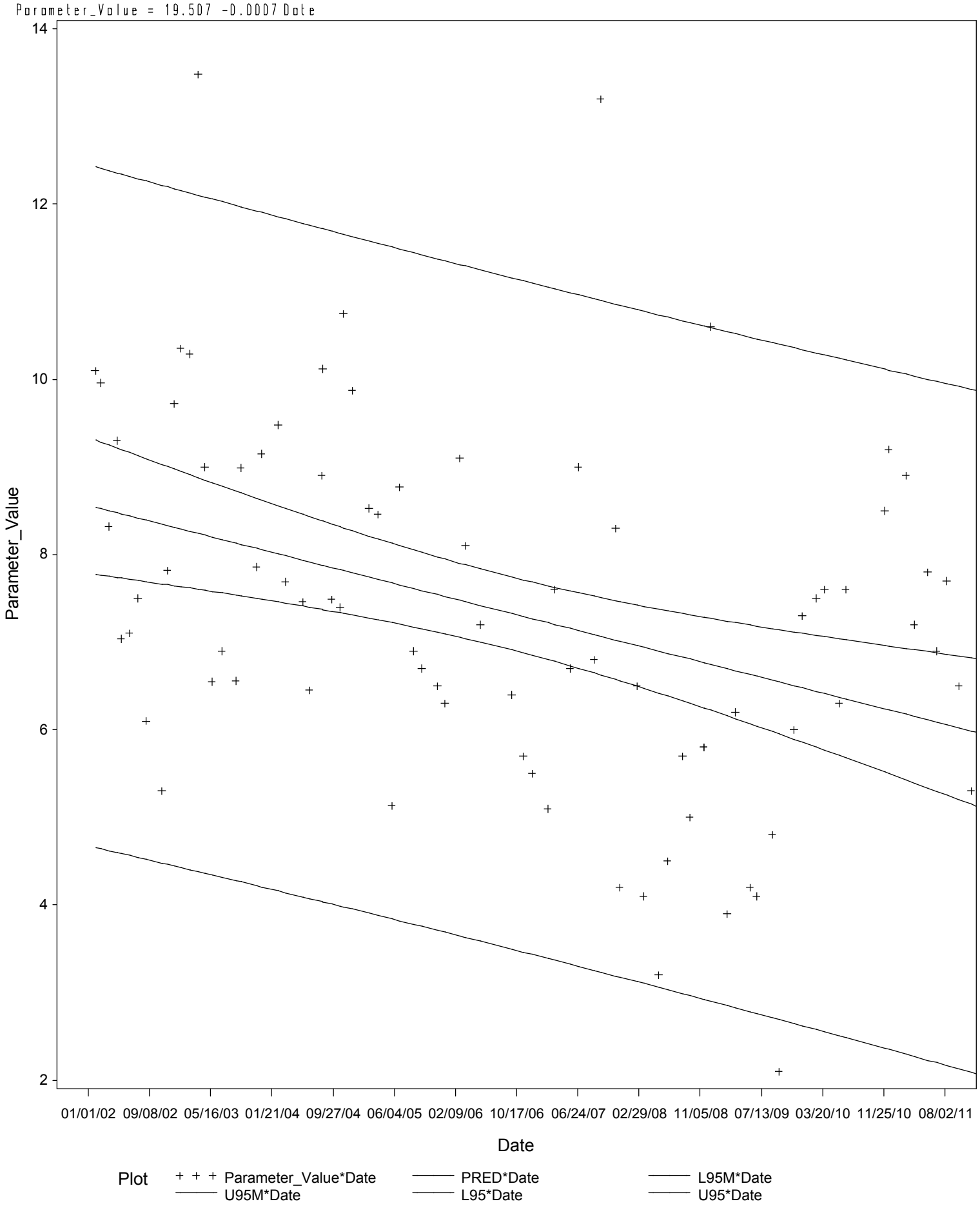
Rio Grande Below Falcon Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13664



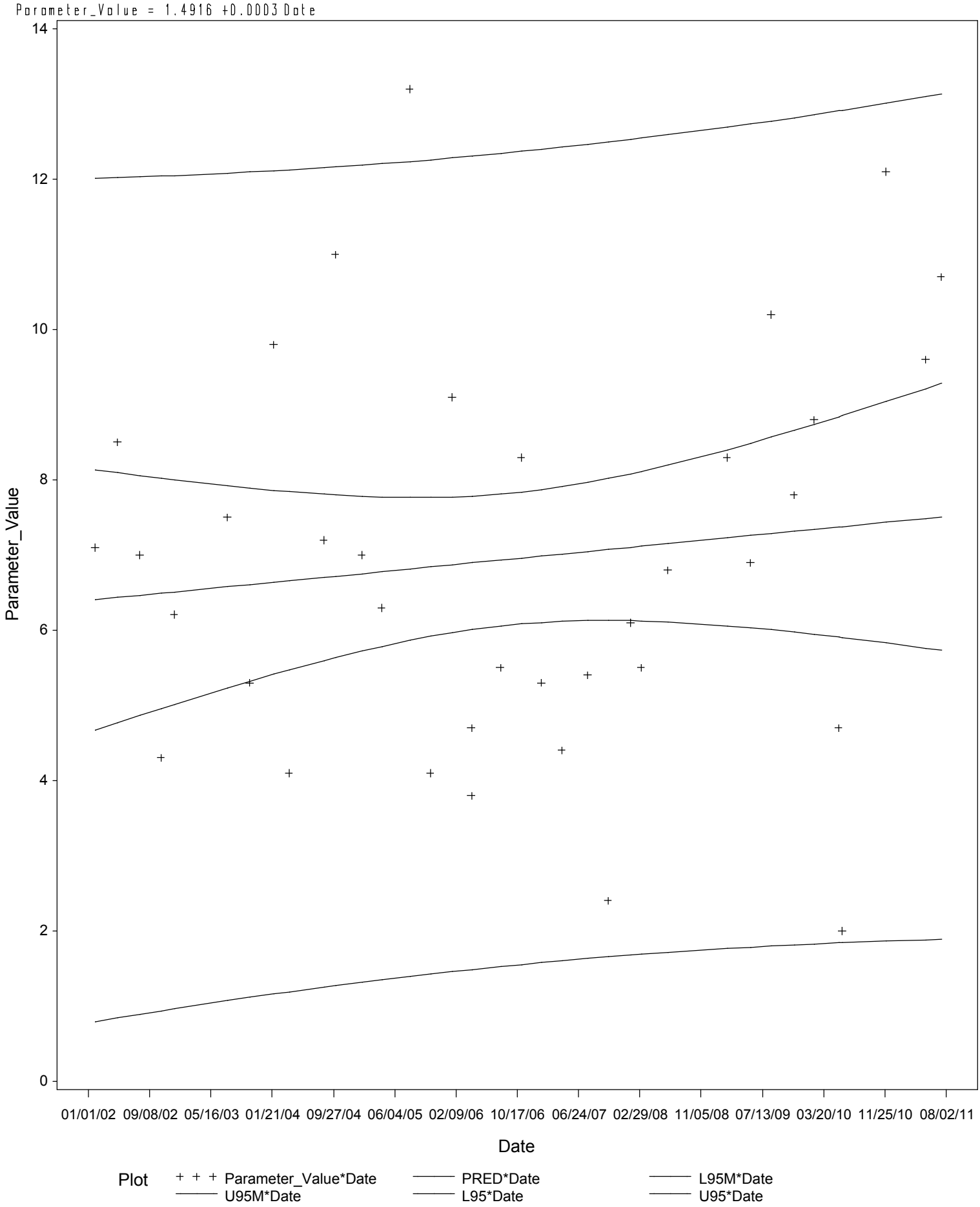
Rio Grande Below Falcon Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=15808



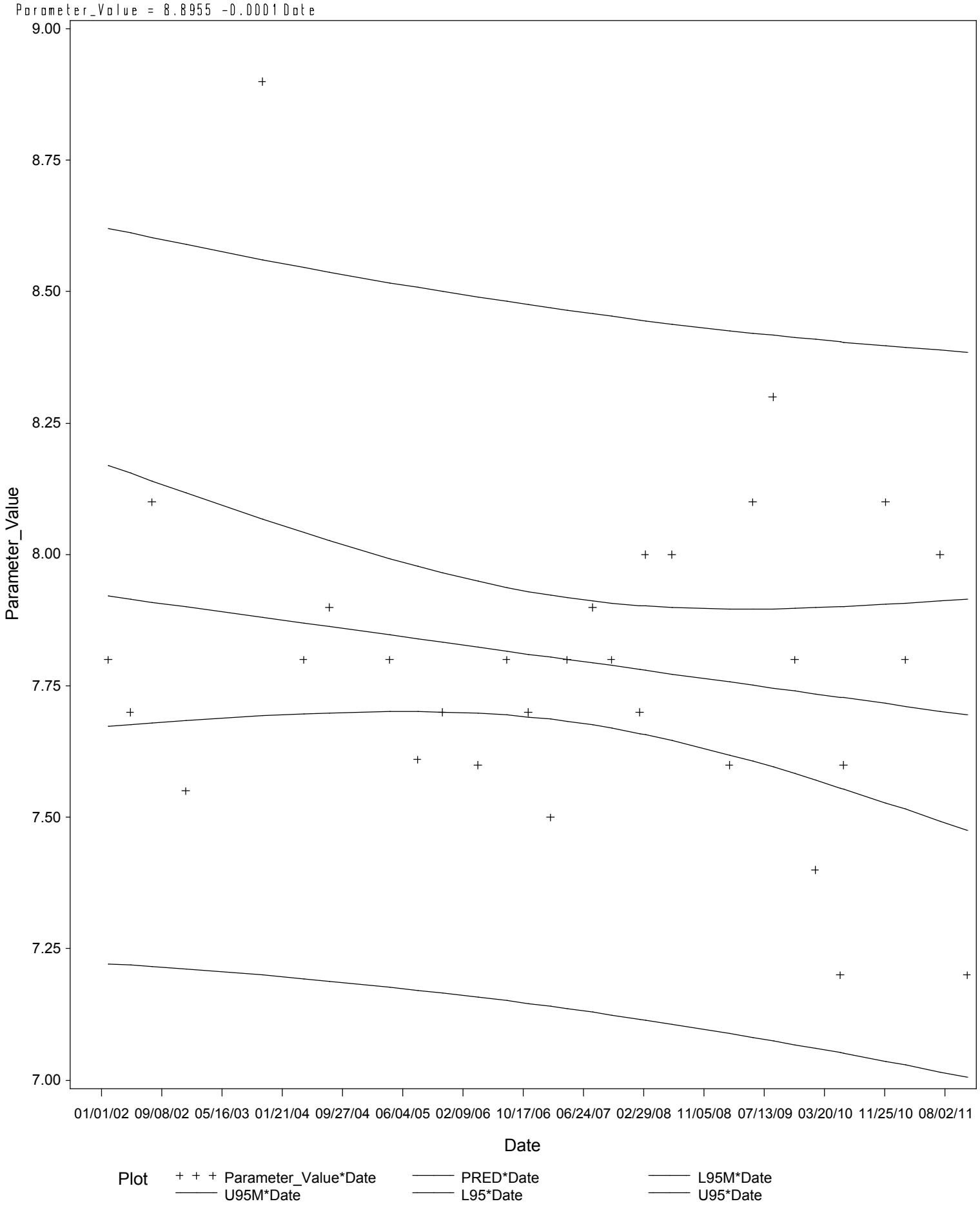
Rio Grande Below Falcon Reservoir

Parameter=OXYGEN, DISSOLVED (MG/L) Station=17247



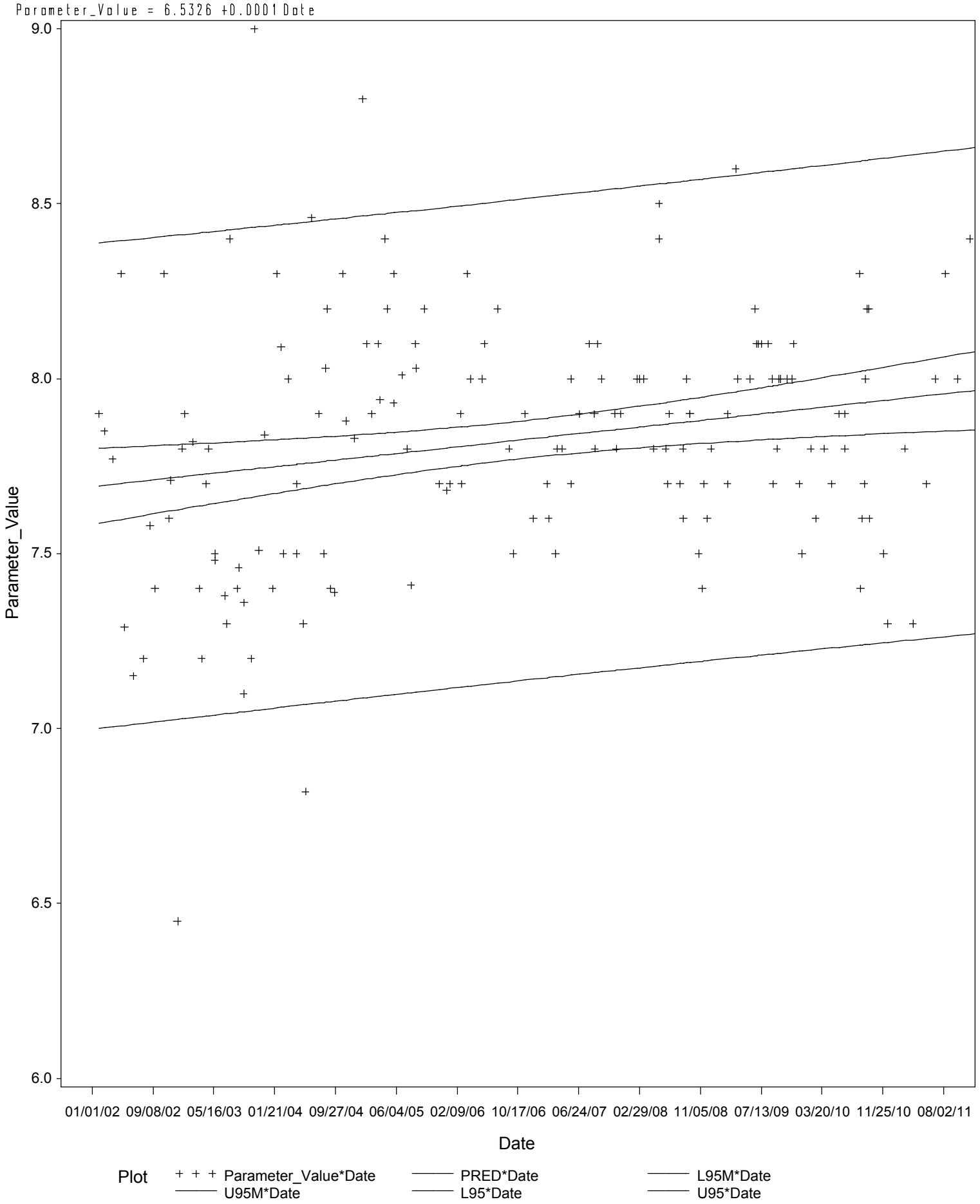
Rio Grande Below Falcon Reservoir

Parameter=PH (STANDARD UNITS) Station=10249



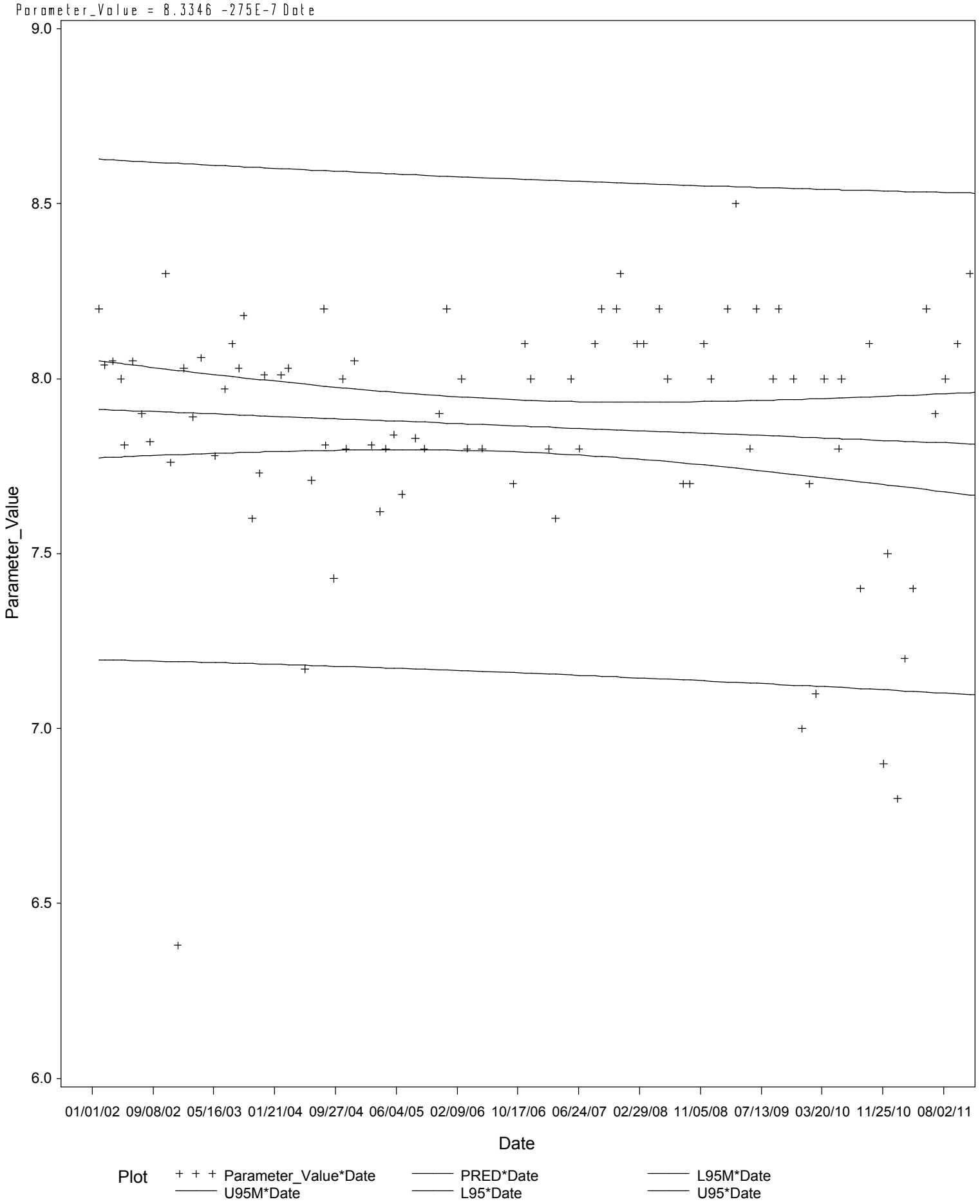
Rio Grande Below Falcon Reservoir

Parameter=PH (STANDARD UNITS) Station=13177



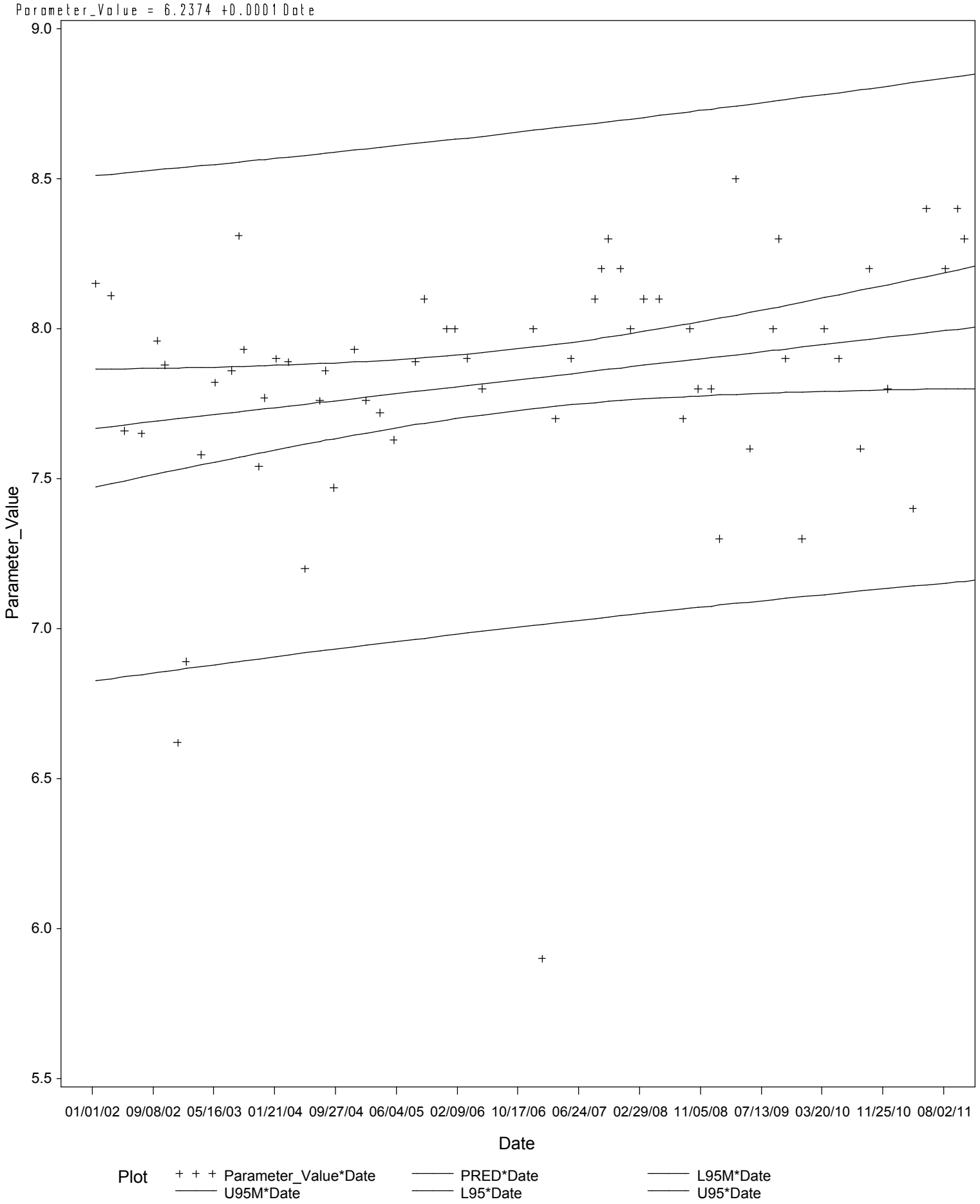
Rio Grande Below Falcon Reservoir

Parameter=PH (STANDARD UNITS) Station=13181



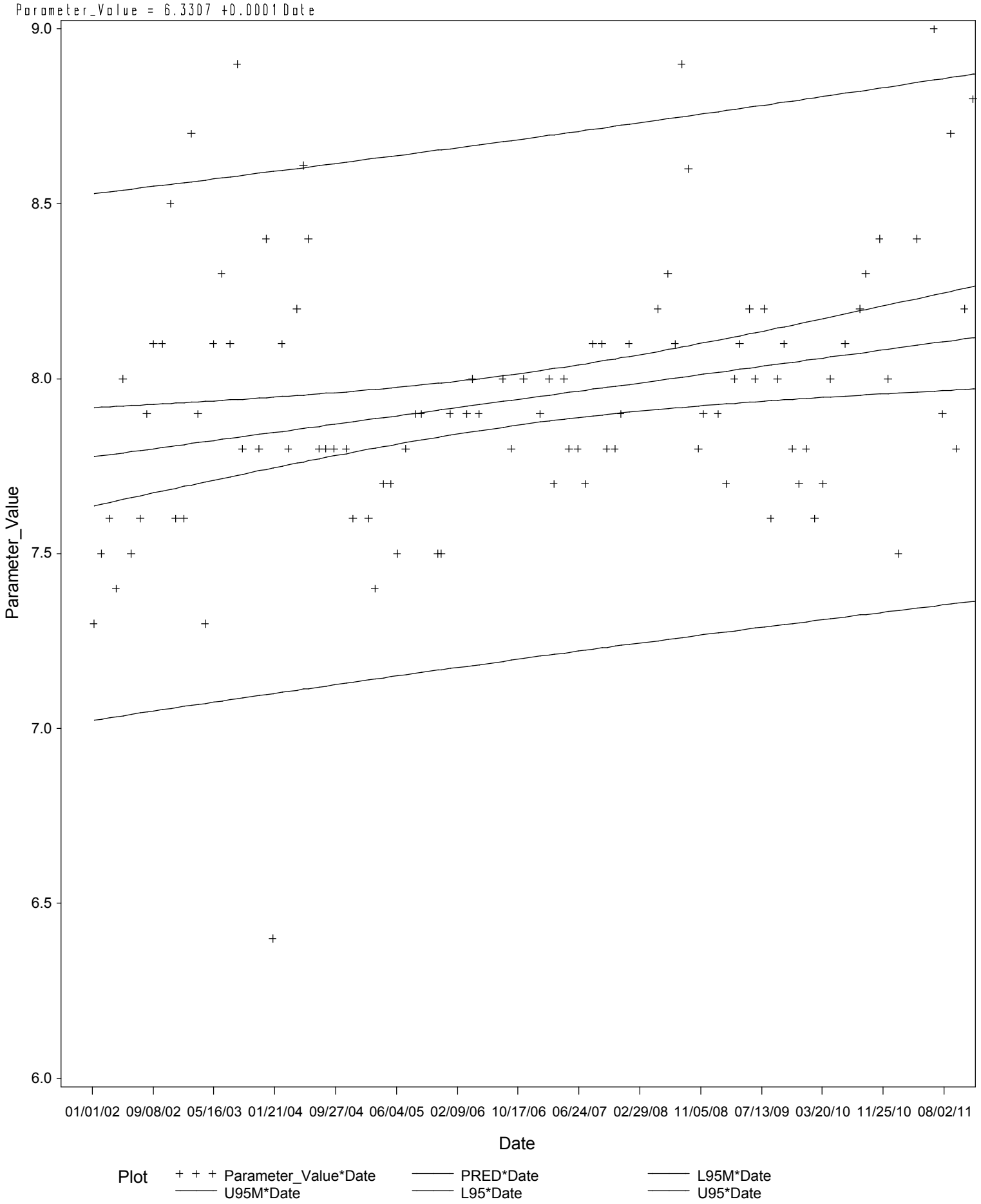
Rio Grande Below Falcon Reservoir

Parameter=PH (STANDARD UNITS) Station=13184



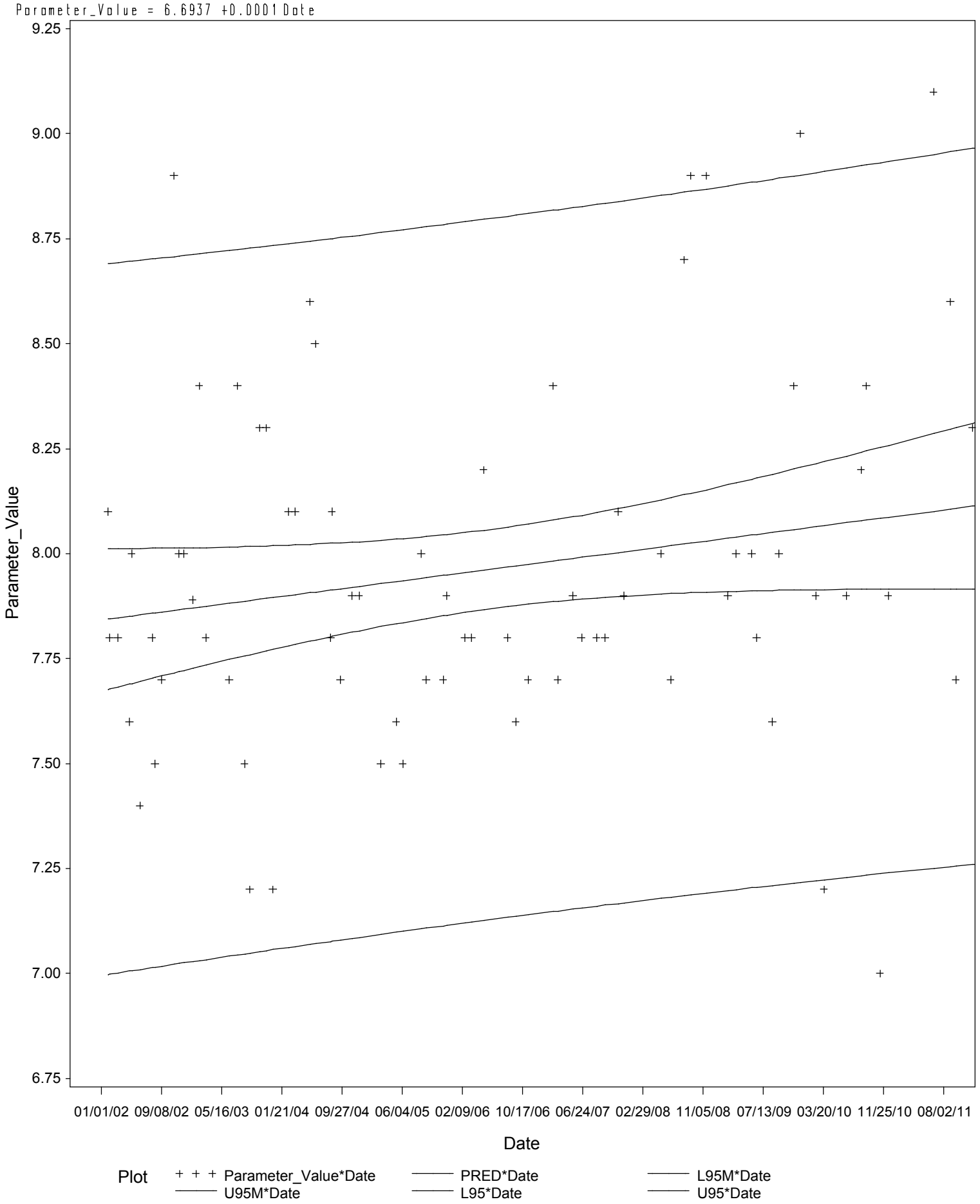
Rio Grande Below Falcon Reservoir

Parameter=PH (STANDARD UNITS) Station=13185



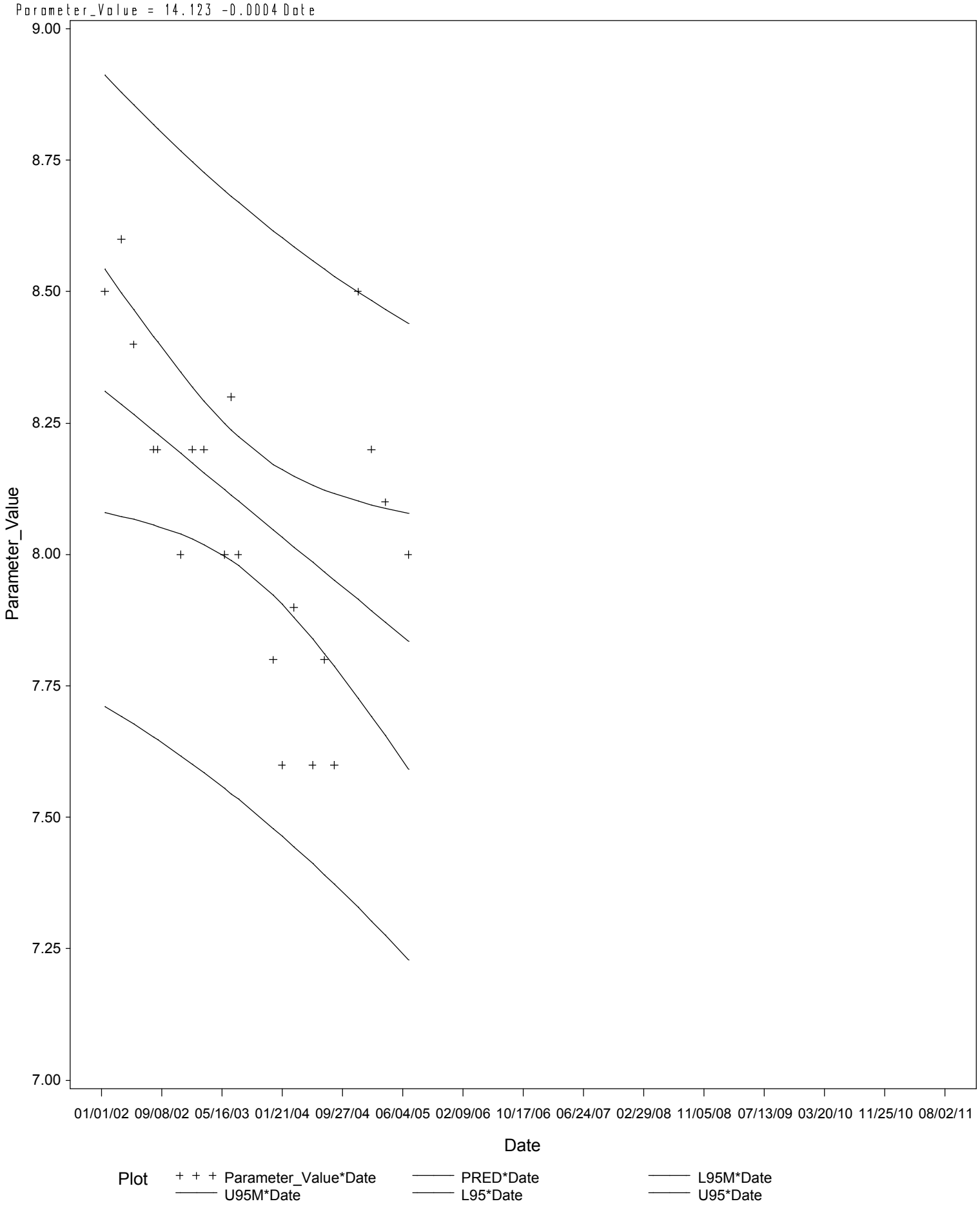
Rio Grande Below Falcon Reservoir

Parameter=PH (STANDARD UNITS) Station=13186



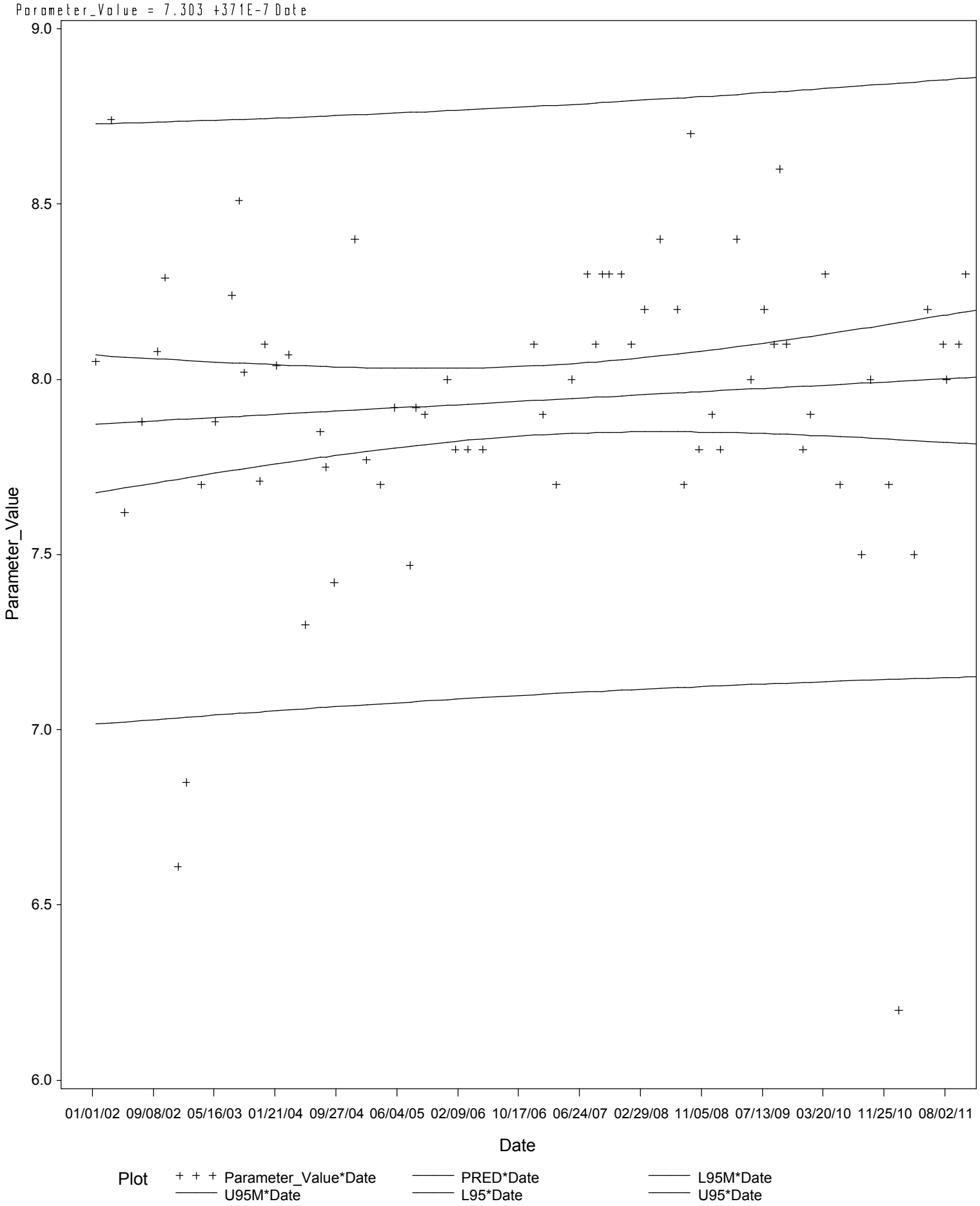
Rio Grande Below Falcon Reservoir

Parameter=PH (STANDARD UNITS) Station=13188



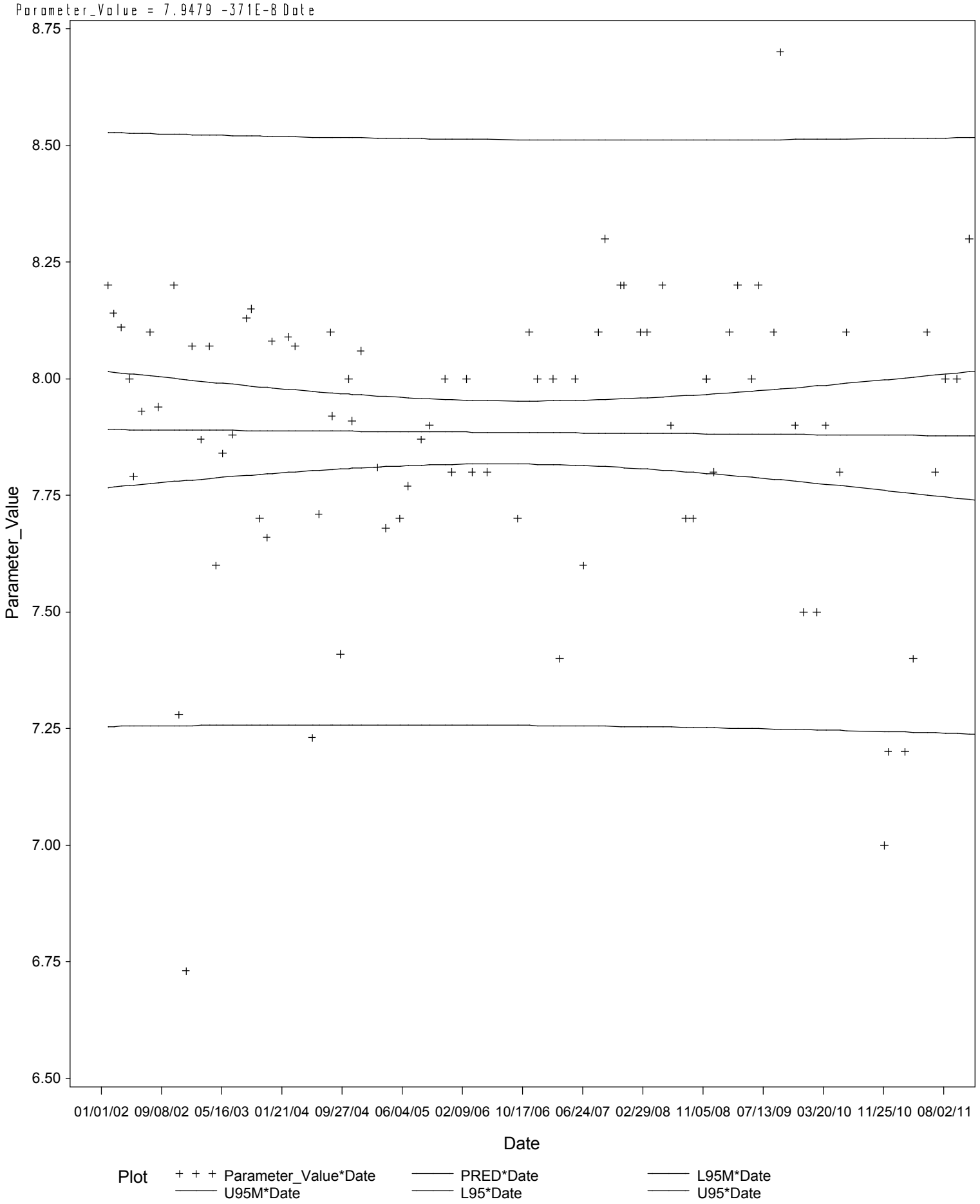
Rio Grande Below Falcon Reservoir

Parameter=PH (STANDARD UNITS) Station=13664



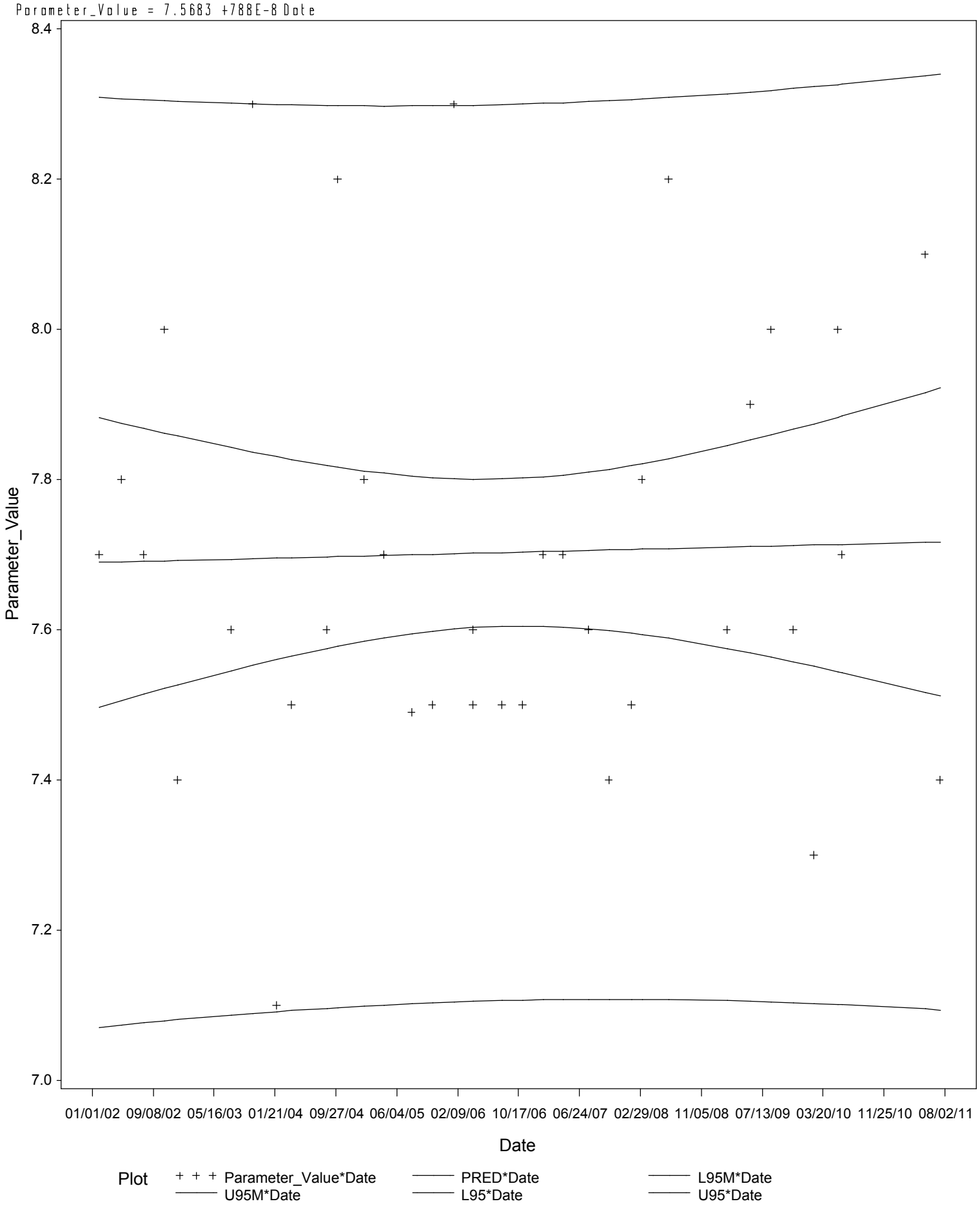
Rio Grande Below Falcon Reservoir

Parameter=PH (STANDARD UNITS) Station=15808



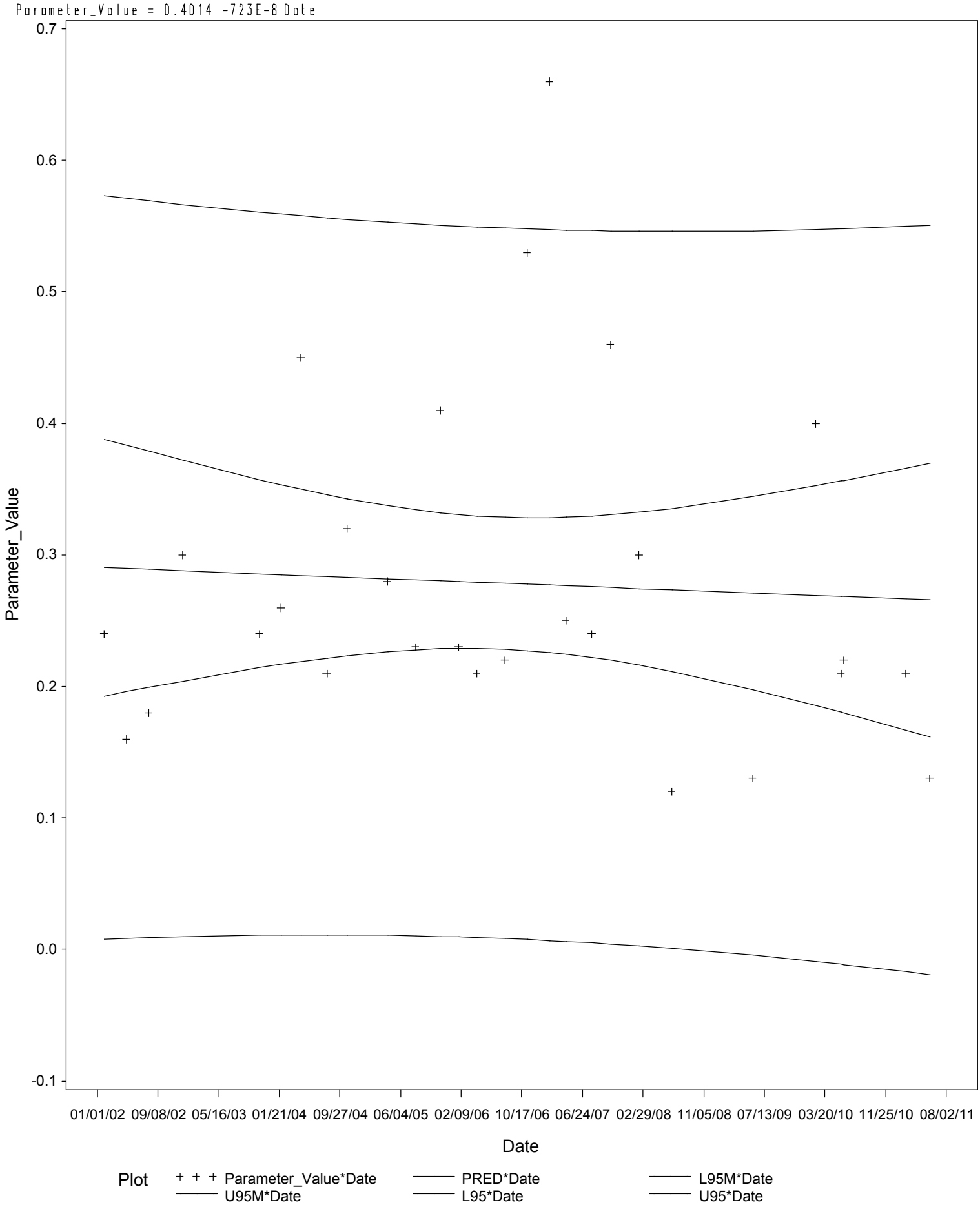
Rio Grande Below Falcon Reservoir

Parameter=PH (STANDARD UNITS) Station=17247



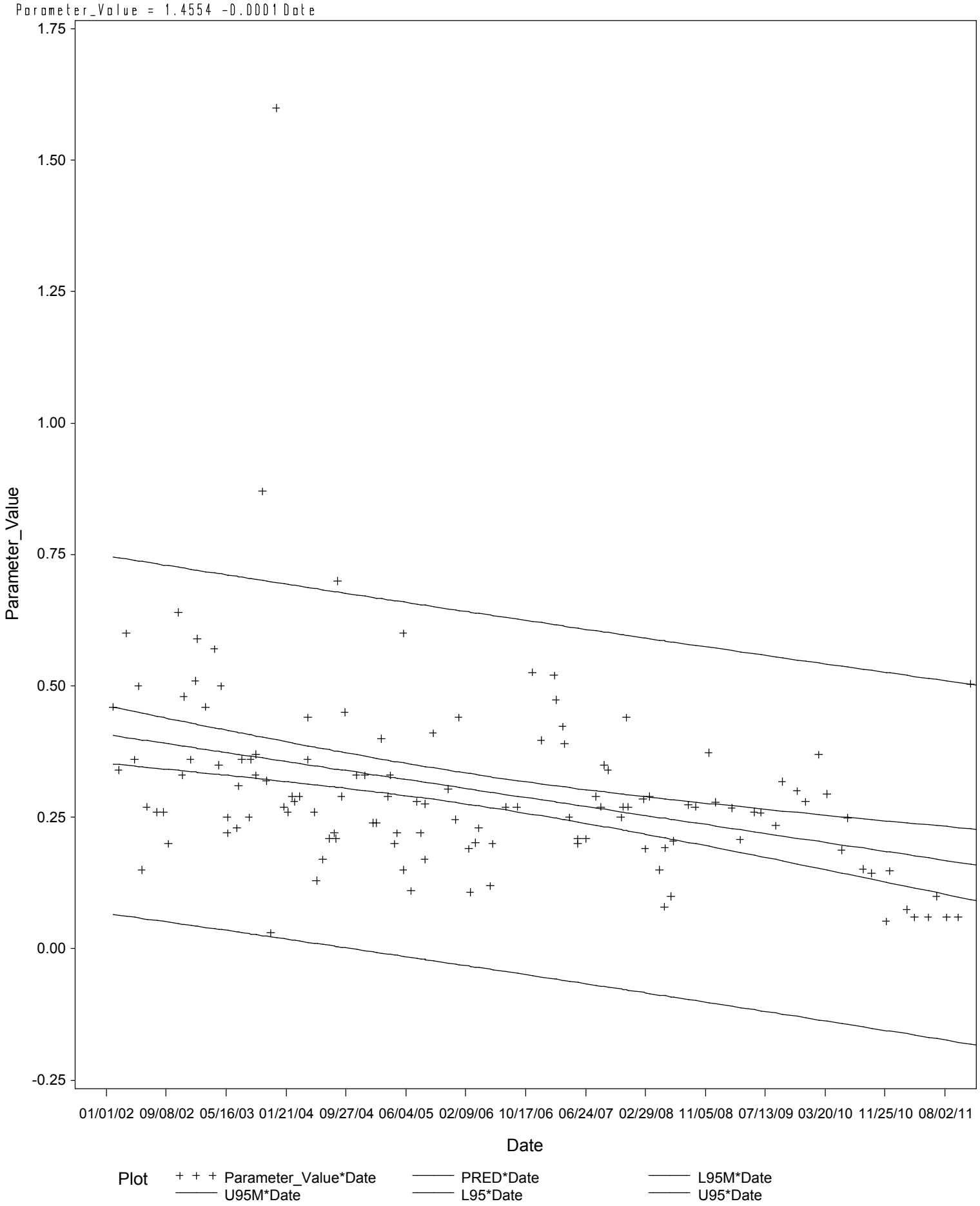
Rio Grande Below Falcon Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=10249



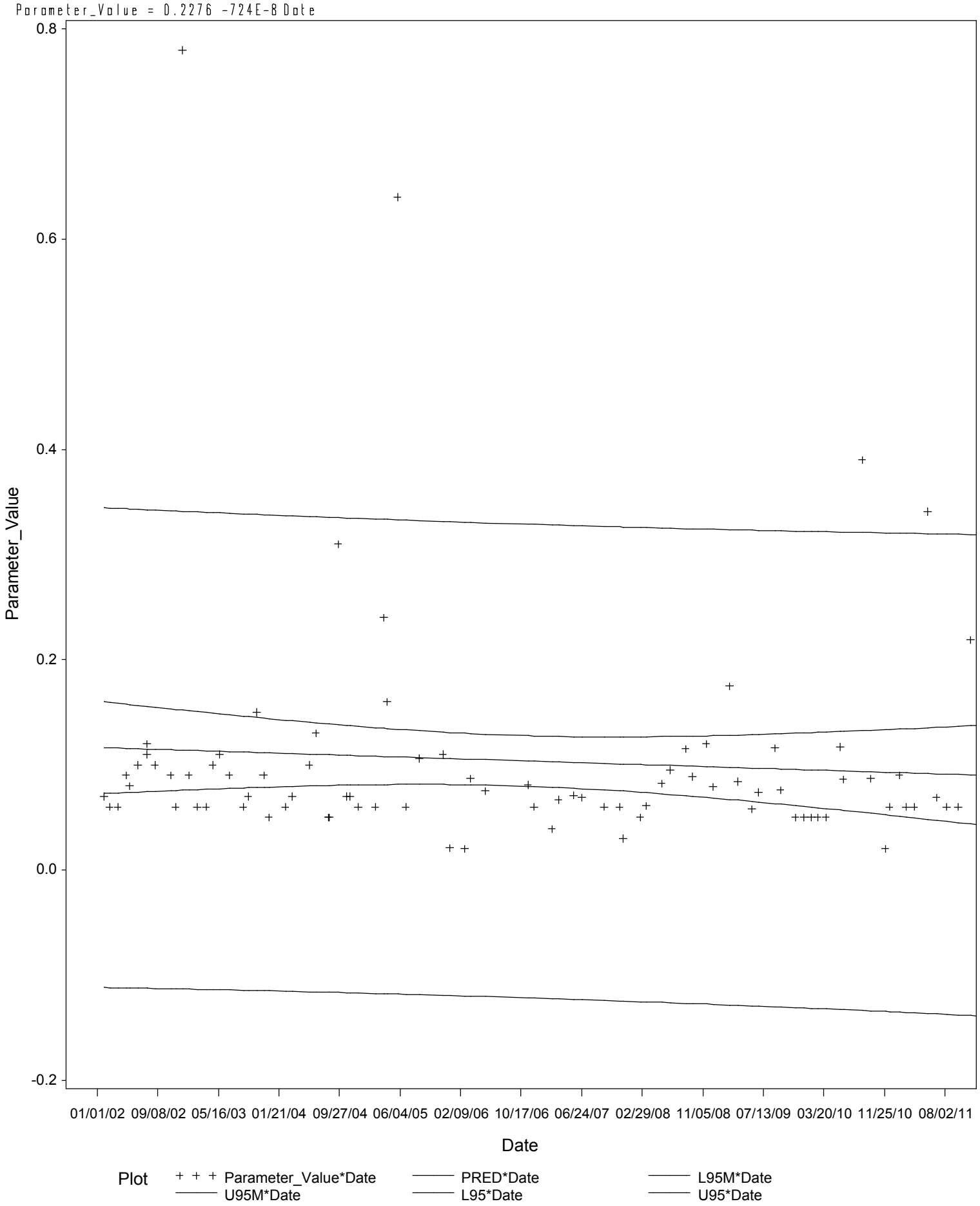
Rio Grande Below Falcon Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13177



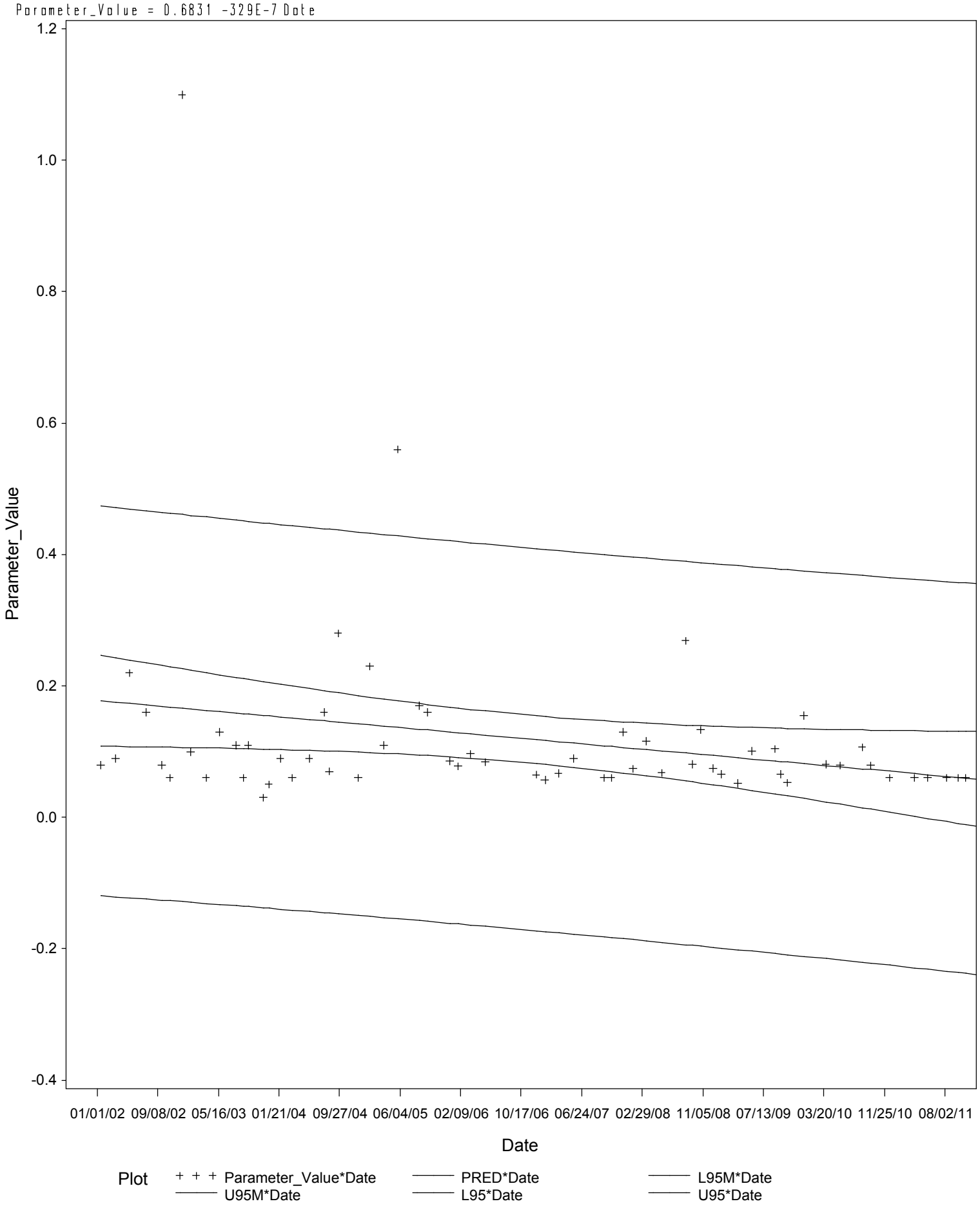
Rio Grande Below Falcon Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13181



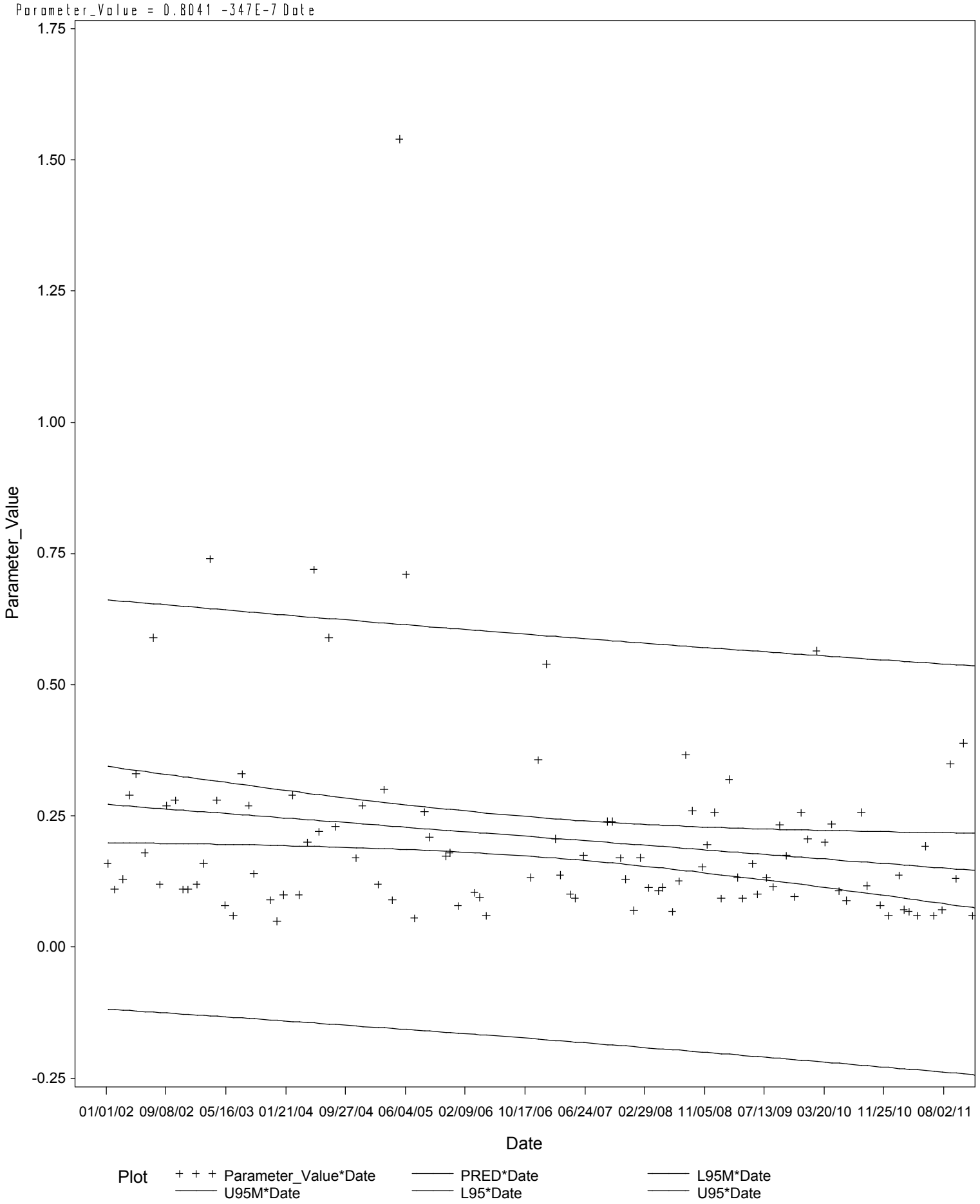
Rio Grande Below Falcon Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13184



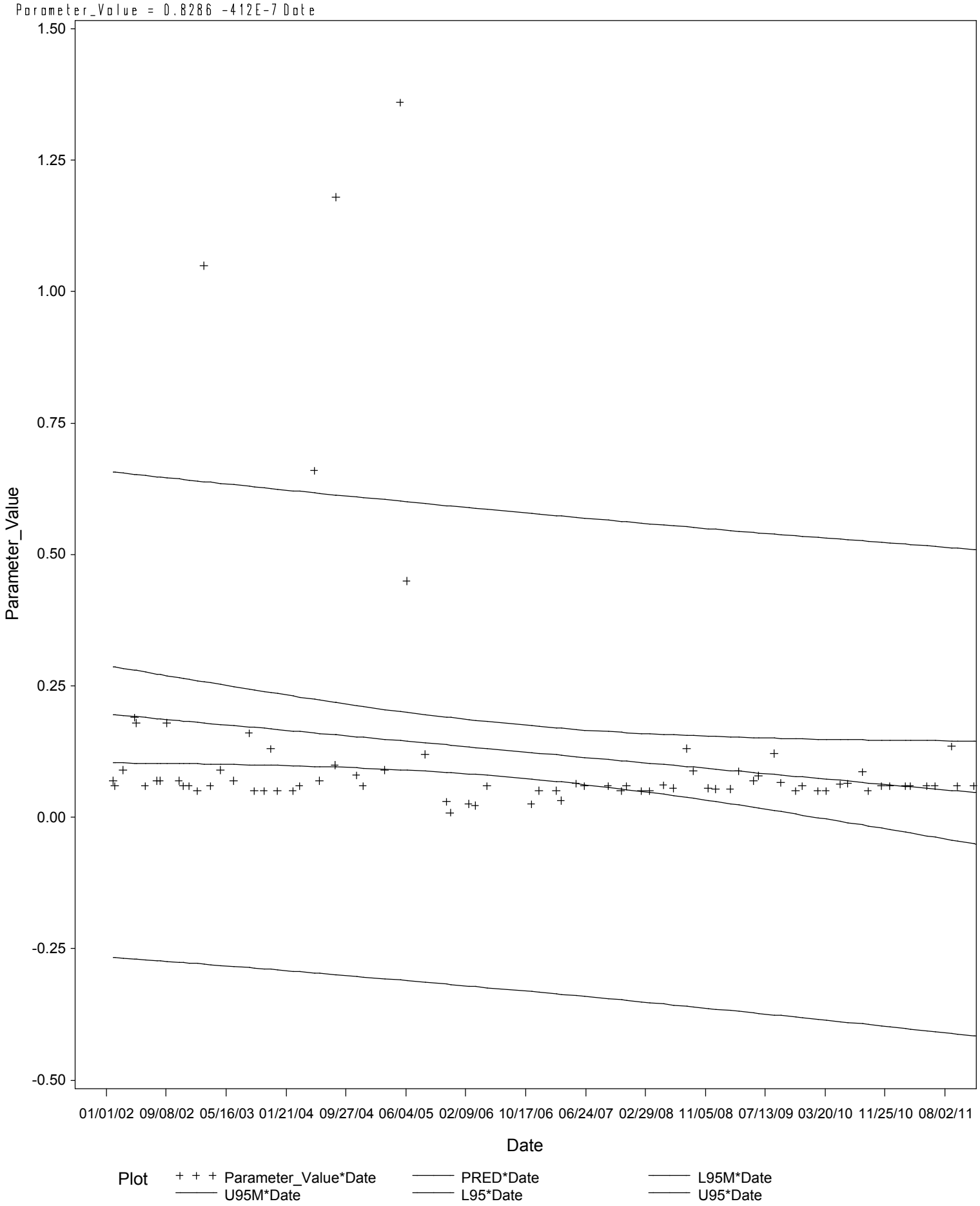
Rio Grande Below Falcon Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13185



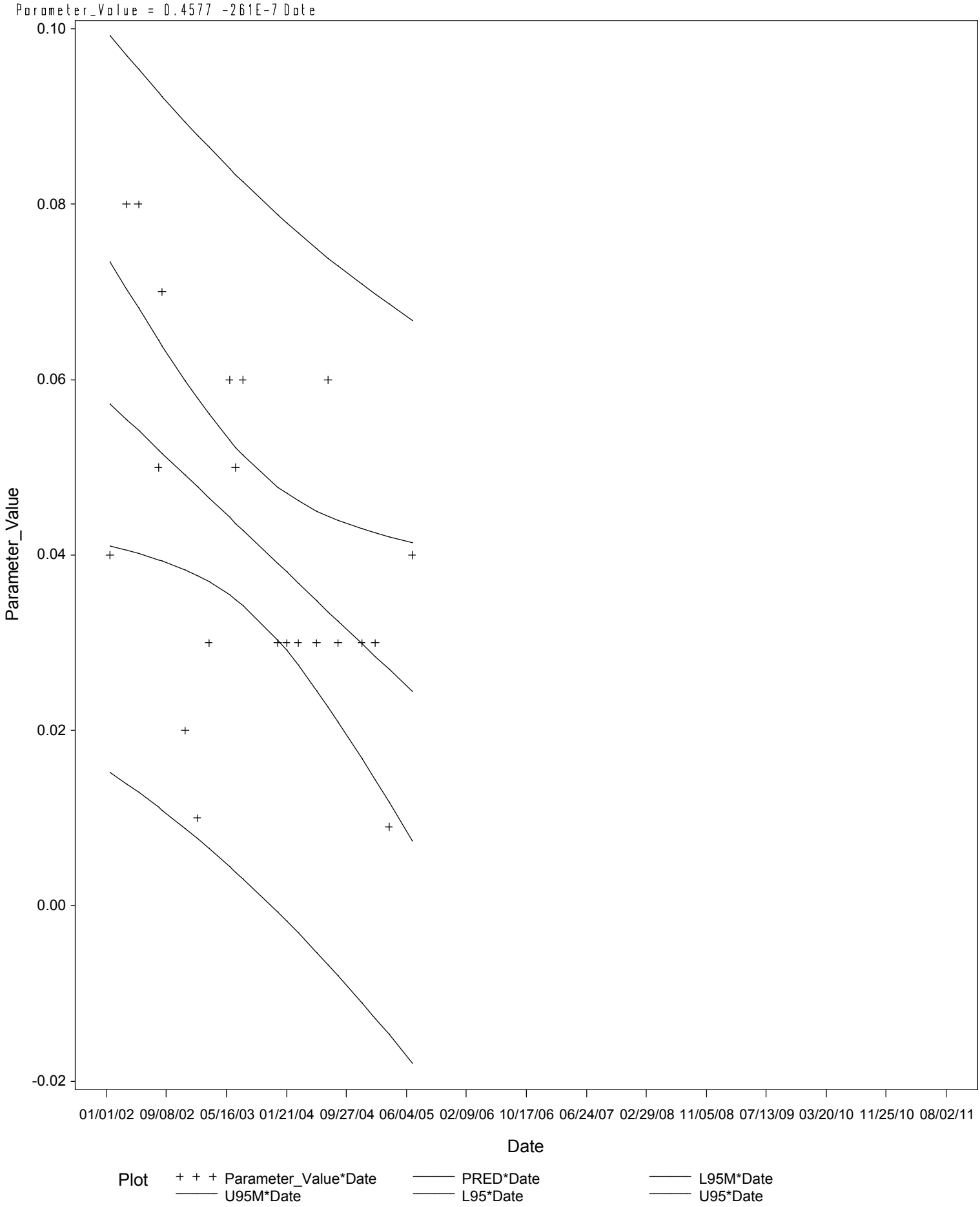
Rio Grande Below Falcon Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13186



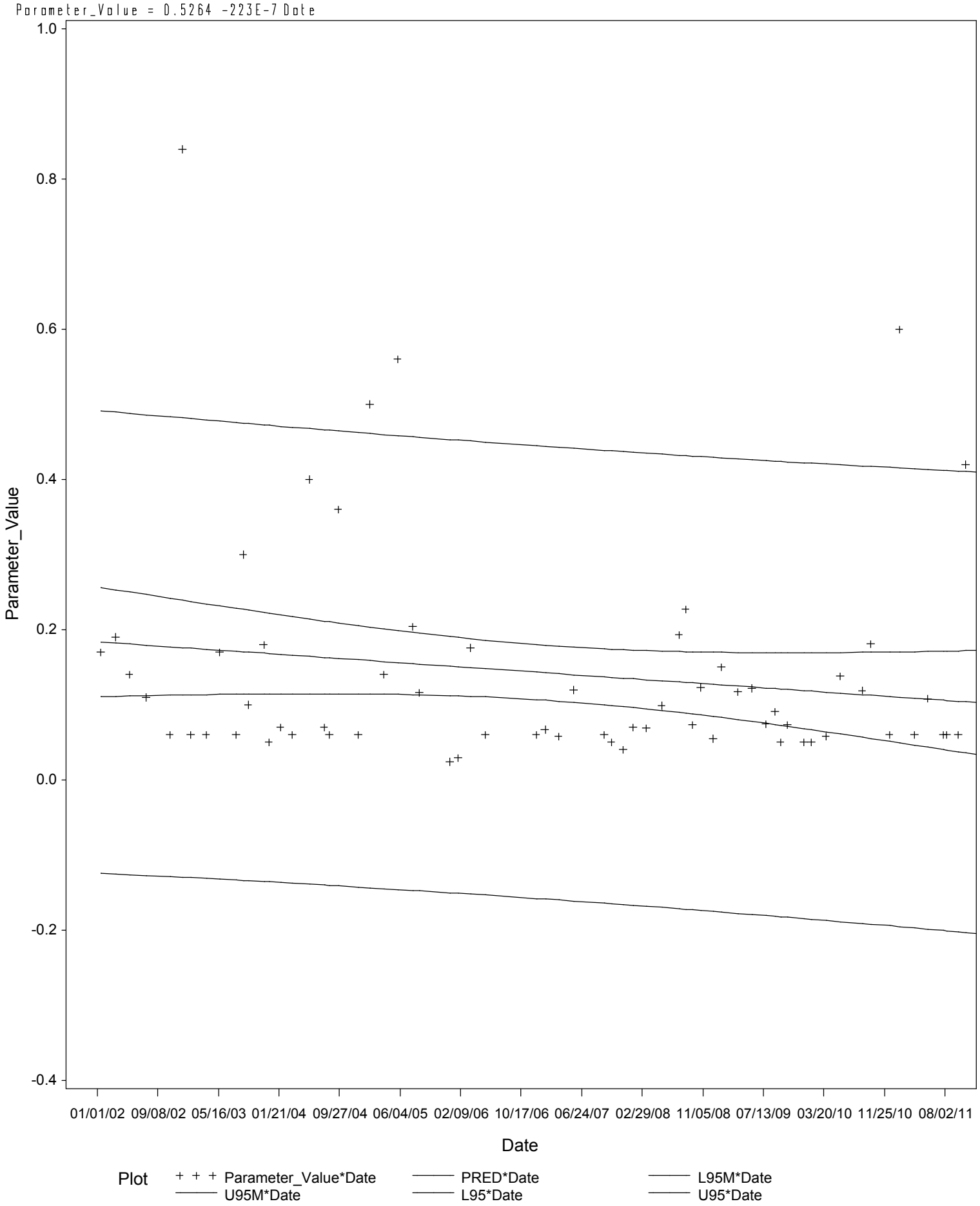
Rio Grande Below Falcon Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13188



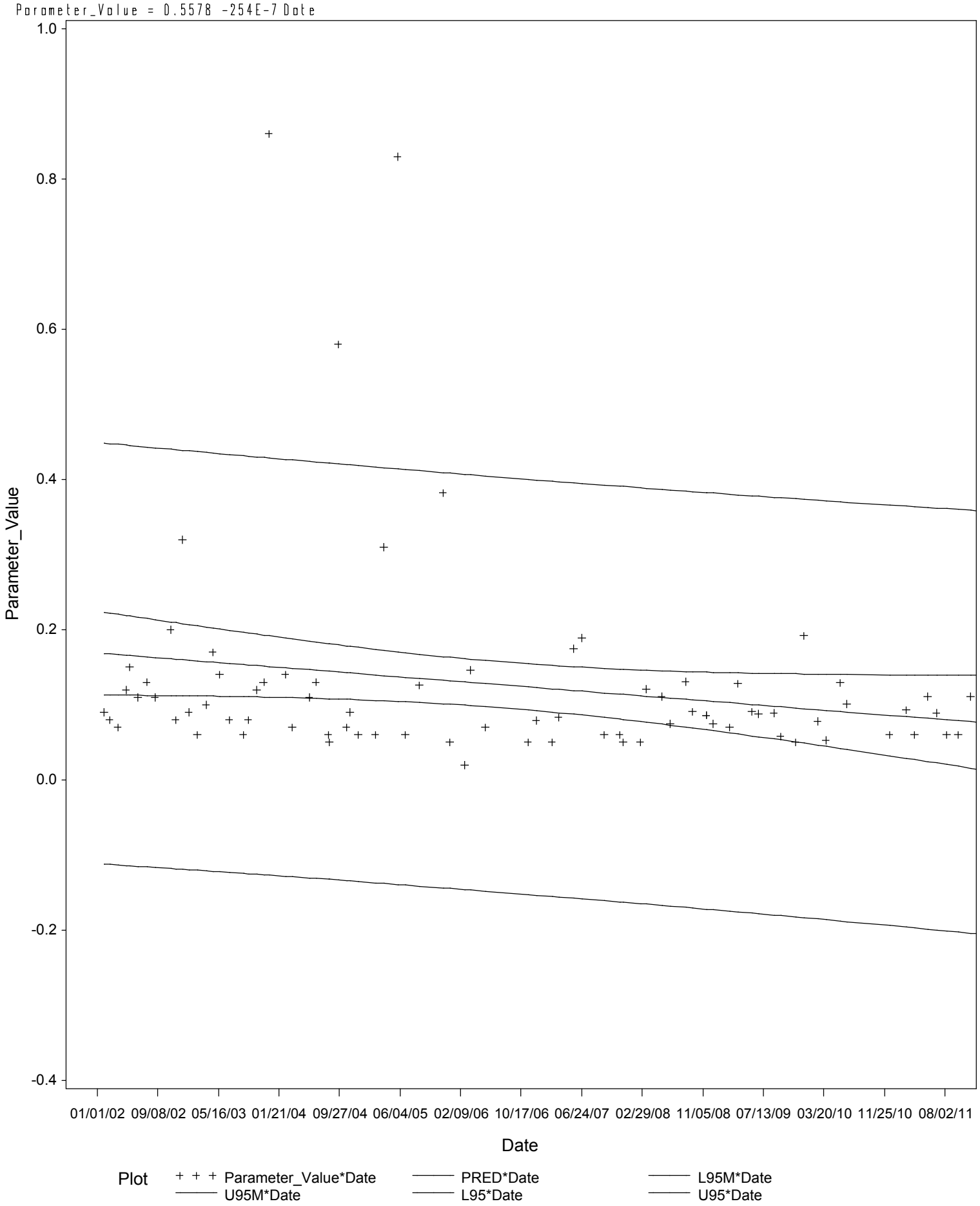
Rio Grande Below Falcon Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13664



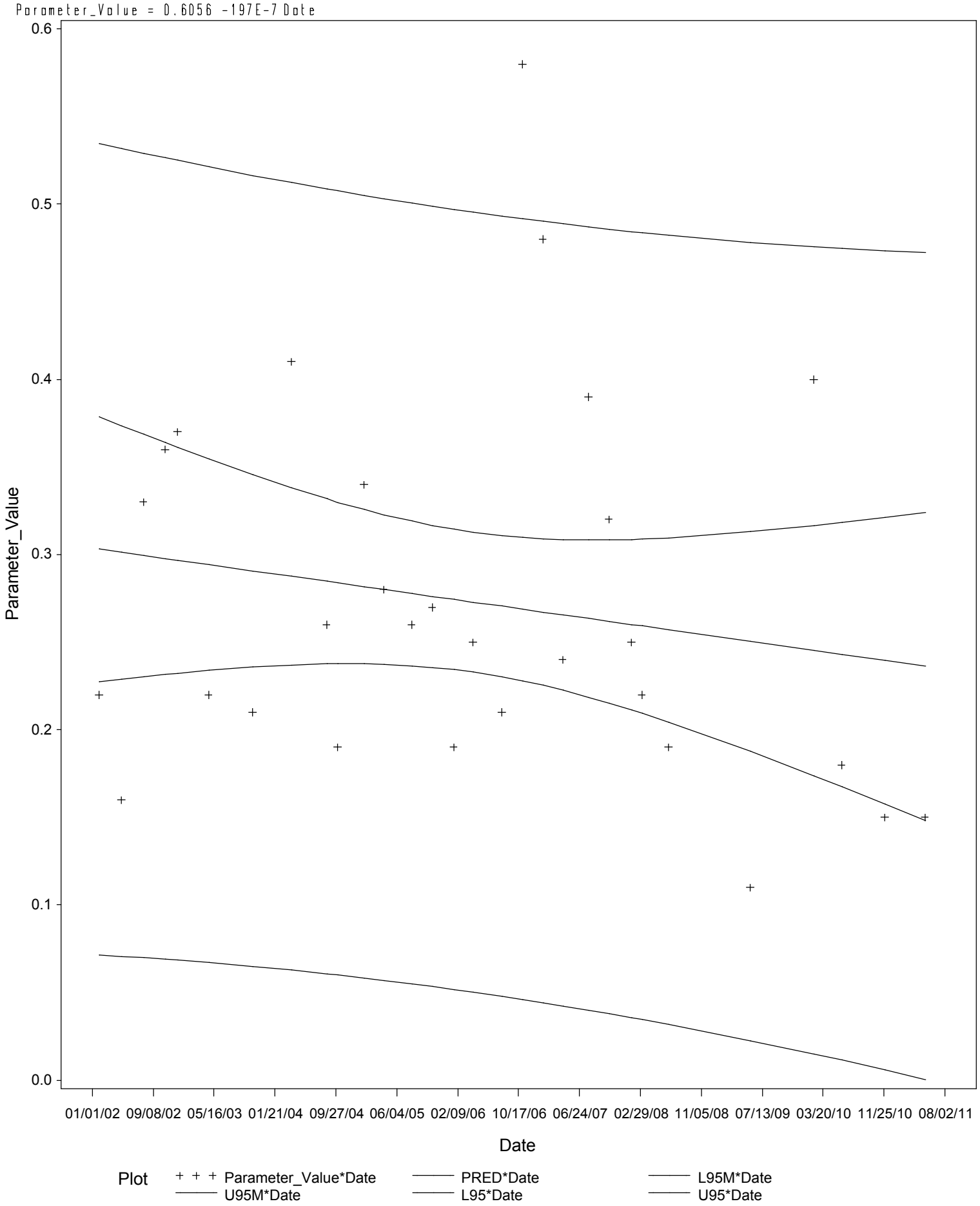
Rio Grande Below Falcon Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=15808



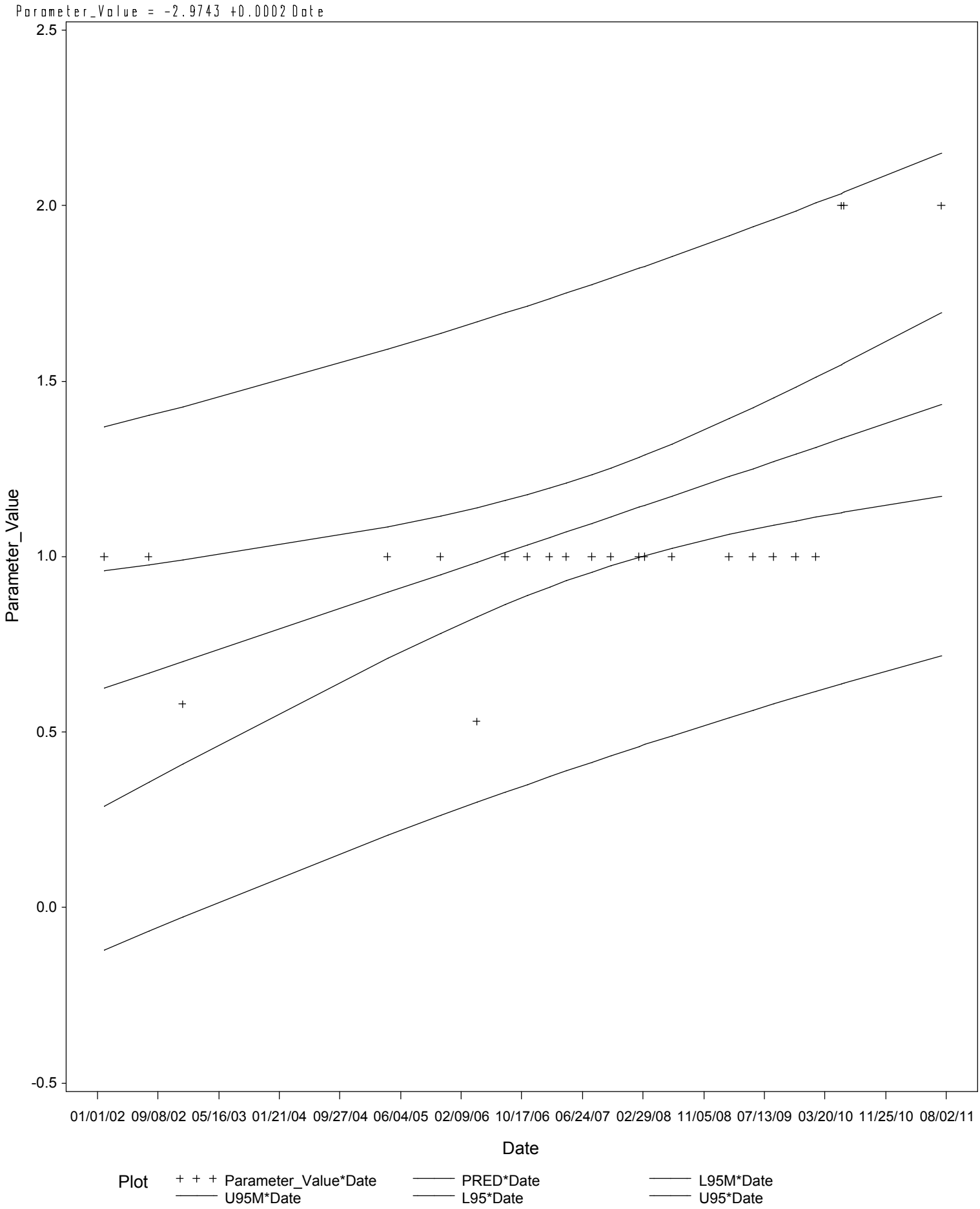
Rio Grande Below Falcon Reservoir

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=17247



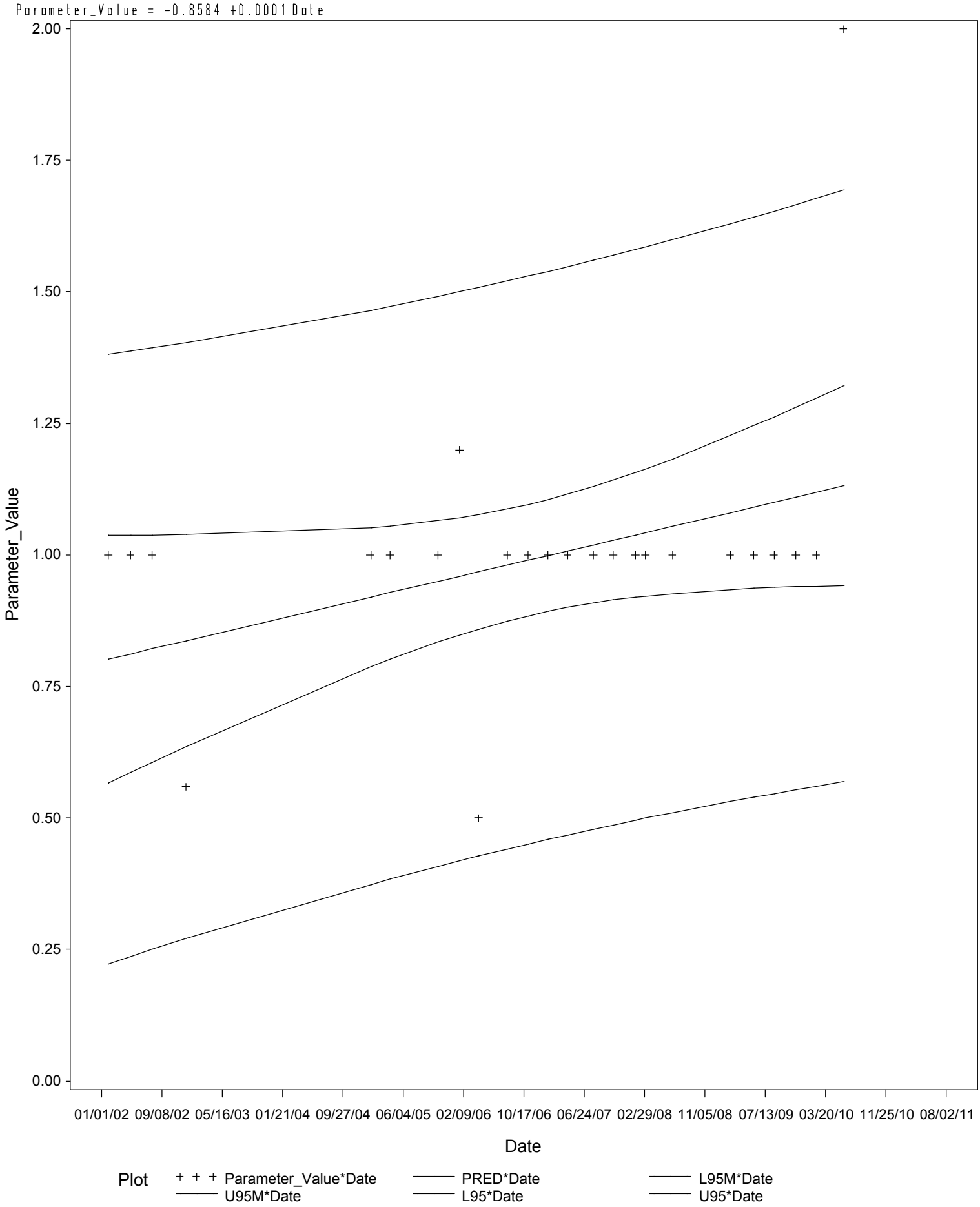
Rio Grande Below Falcon Reservoir

Parameter=SALINITY - PARTS PER THOUSAND Station=10249



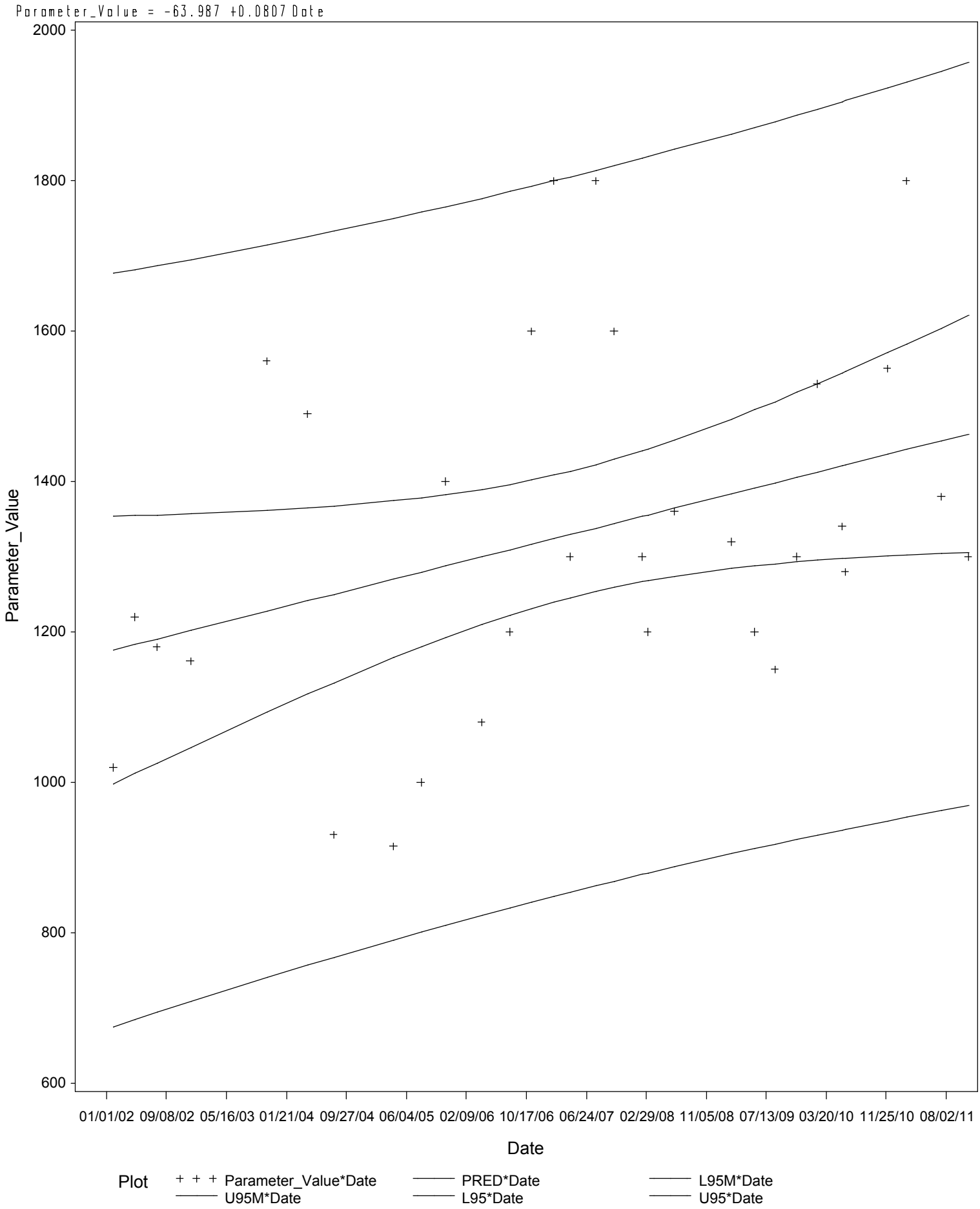
Rio Grande Below Falcon Reservoir

Parameter=SALINITY - PARTS PER THOUSAND Station=17247



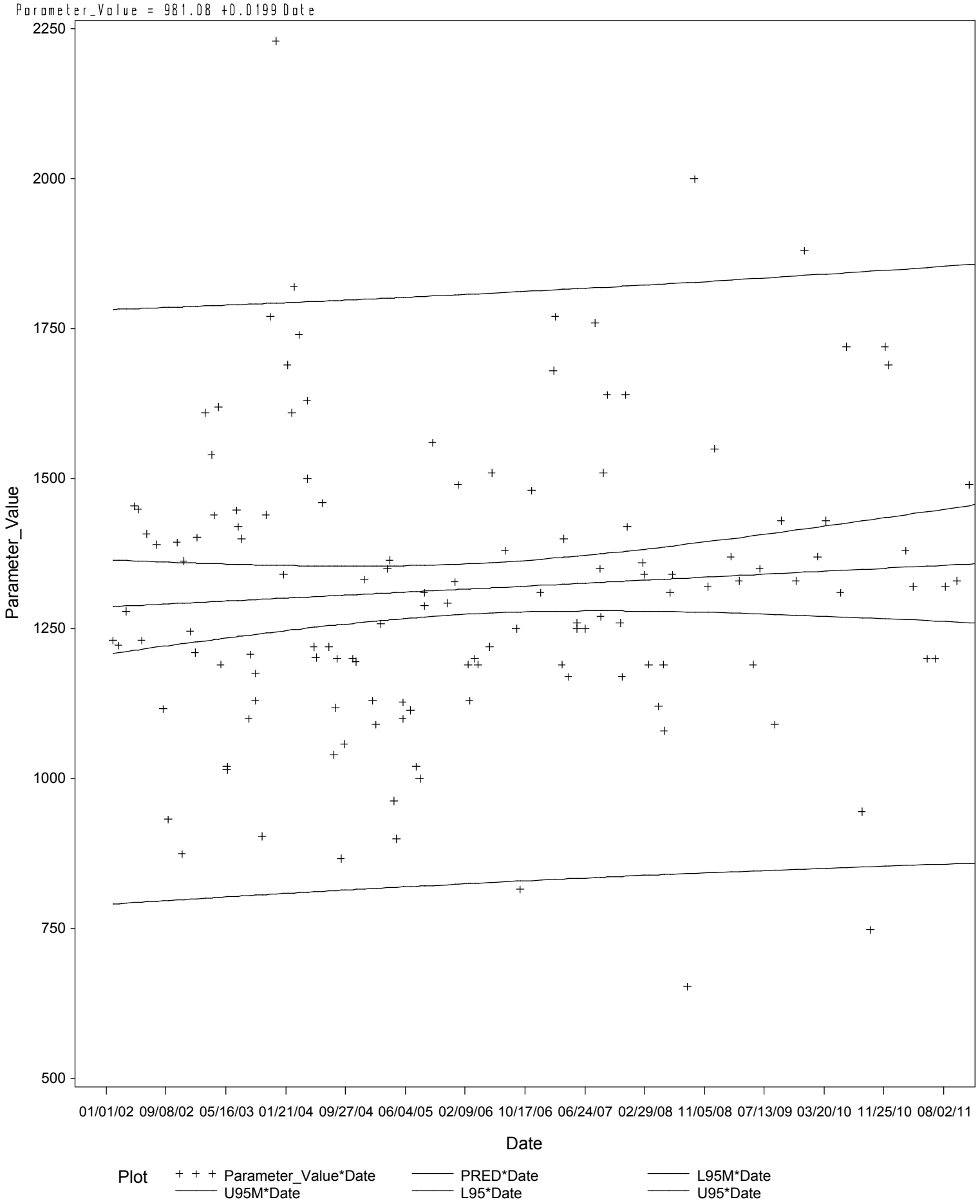
Rio Grande Below Falcon Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=10249



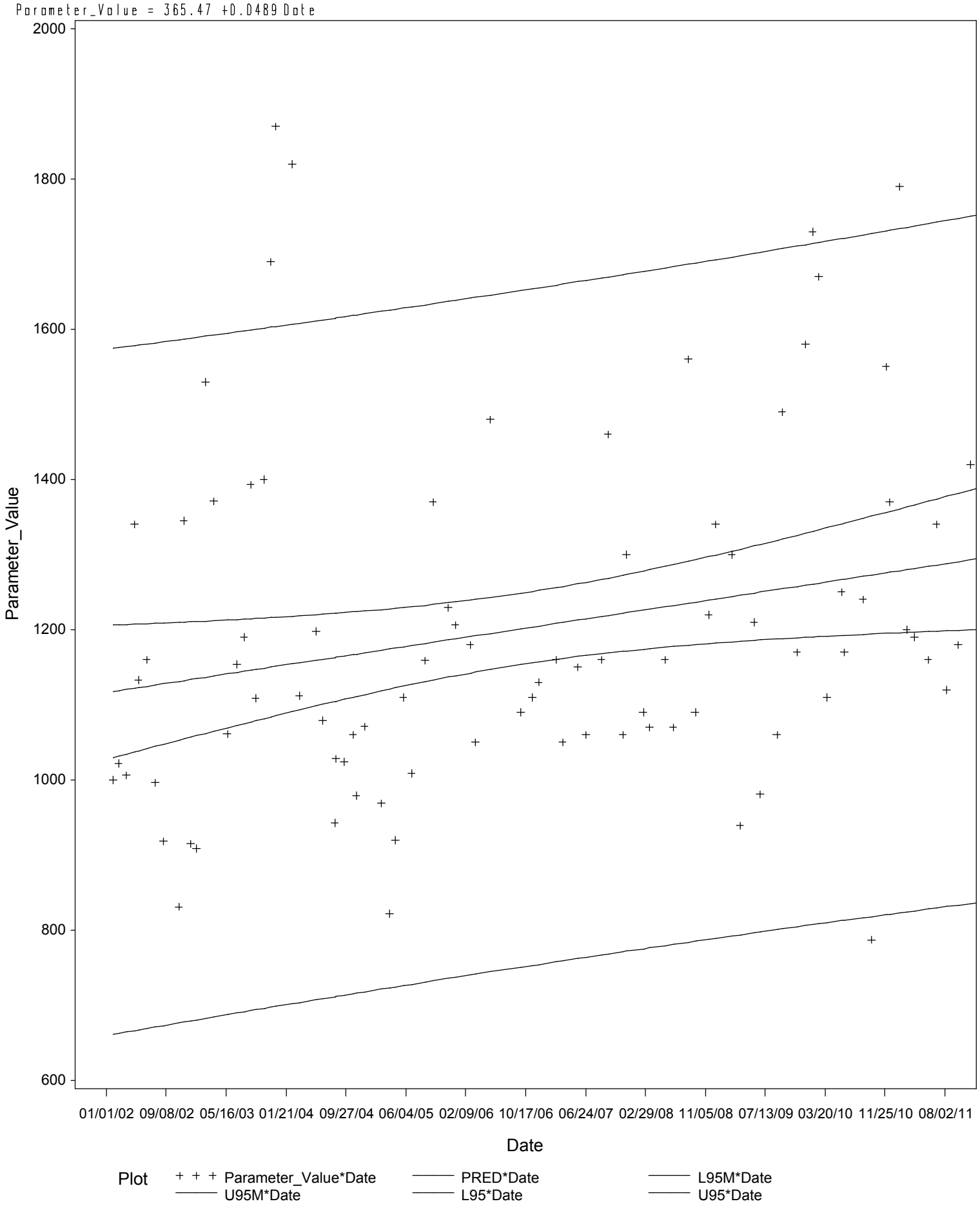
Rio Grande Below Falcon Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13177



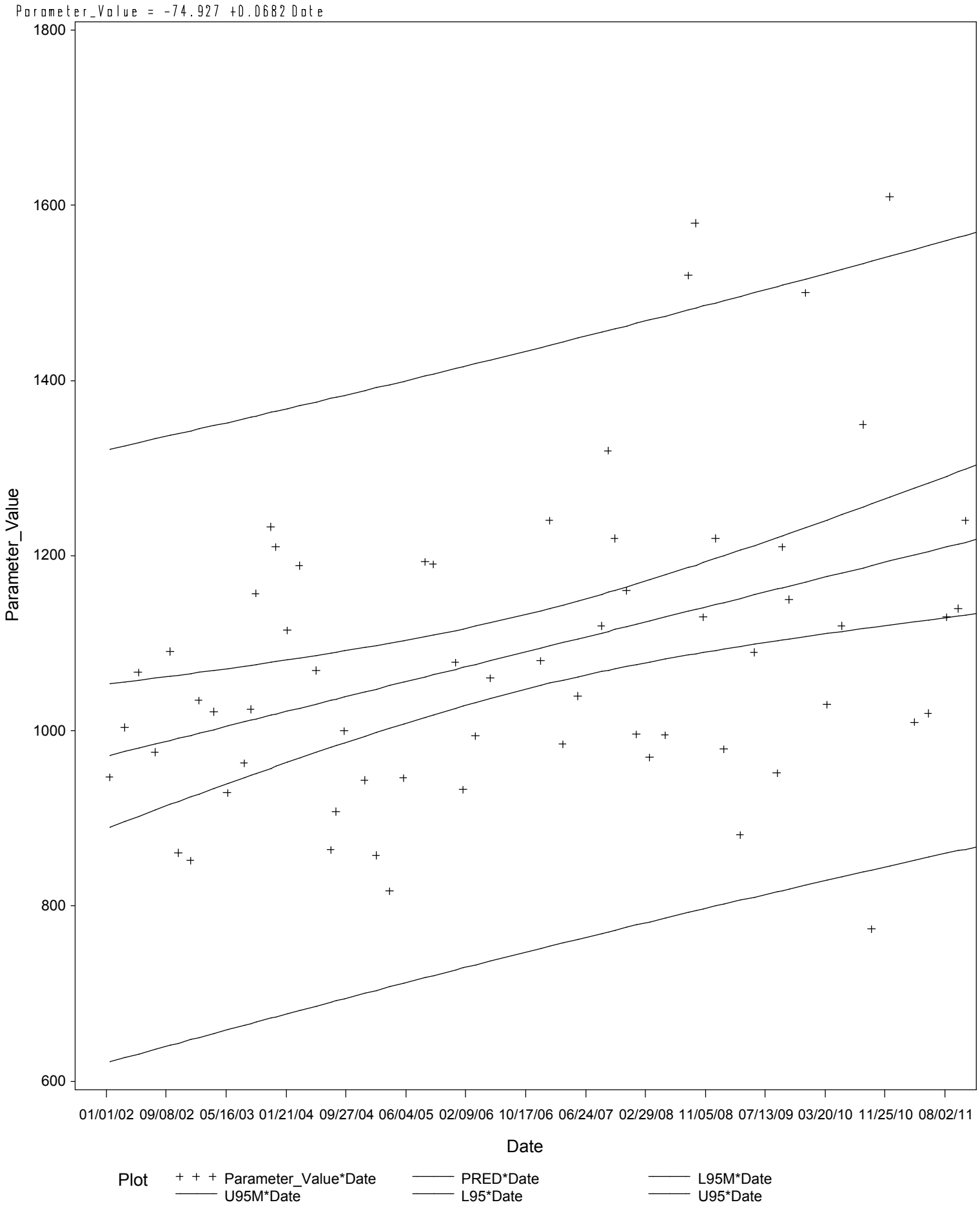
Rio Grande Below Falcon Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13181



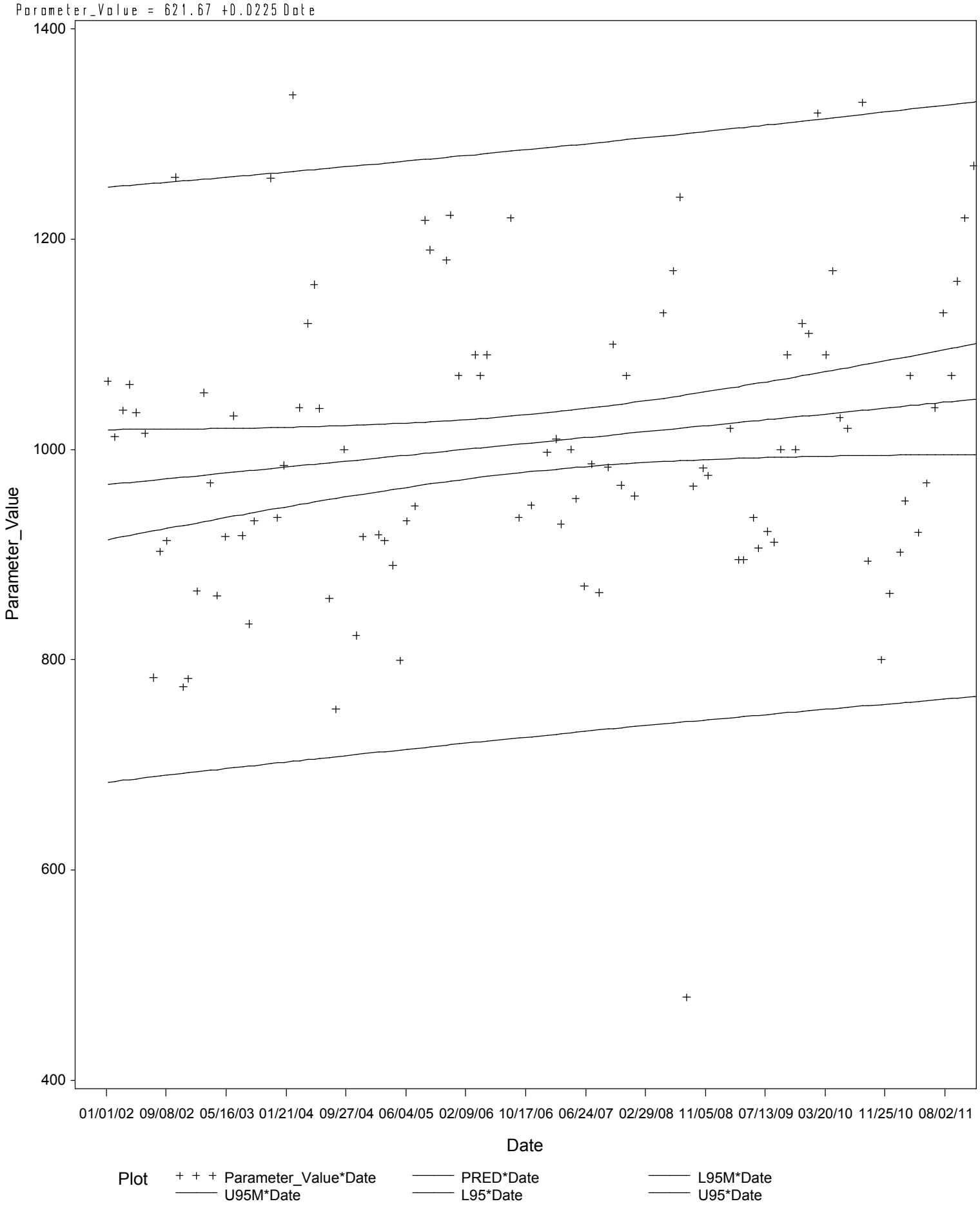
Rio Grande Below Falcon Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13184



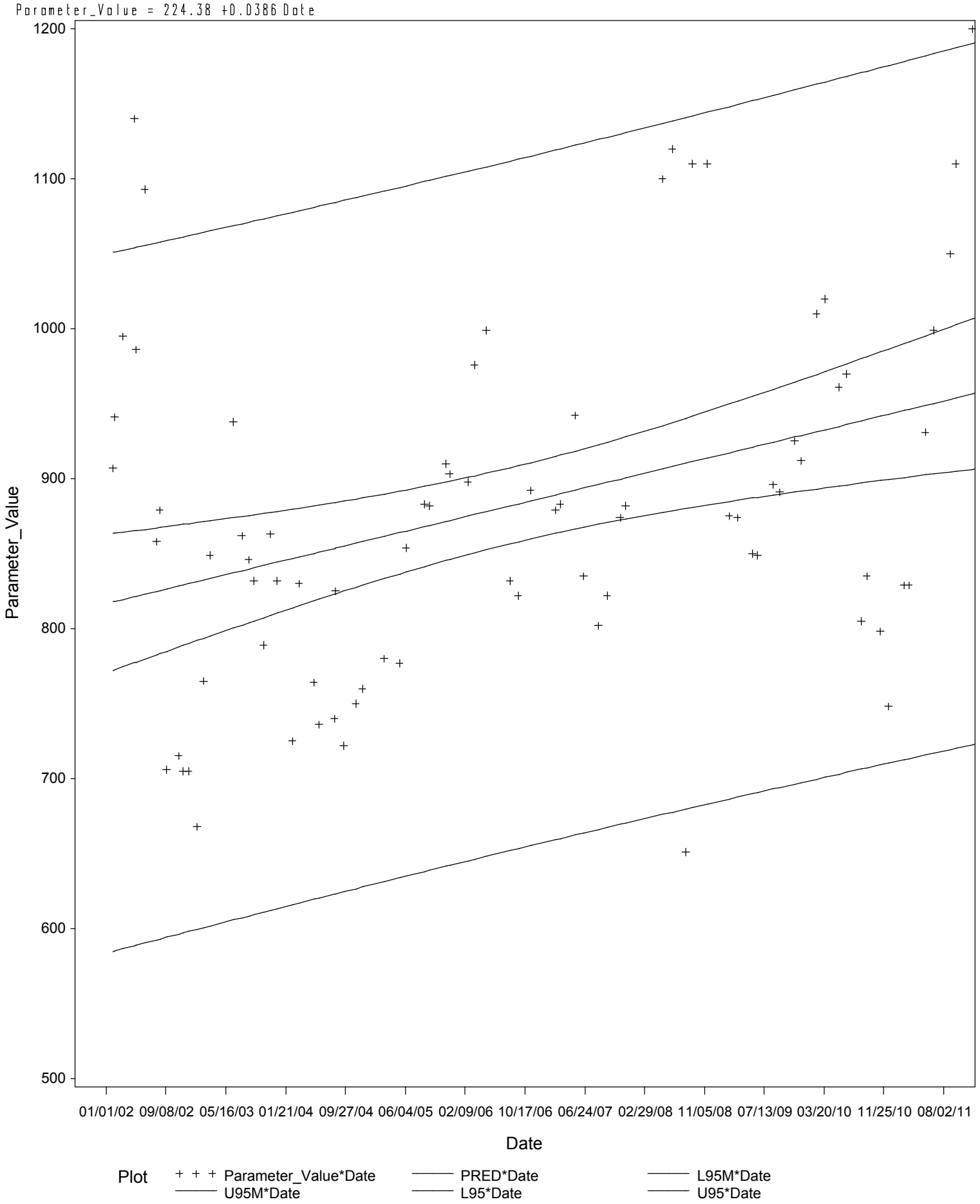
Rio Grande Below Falcon Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13185



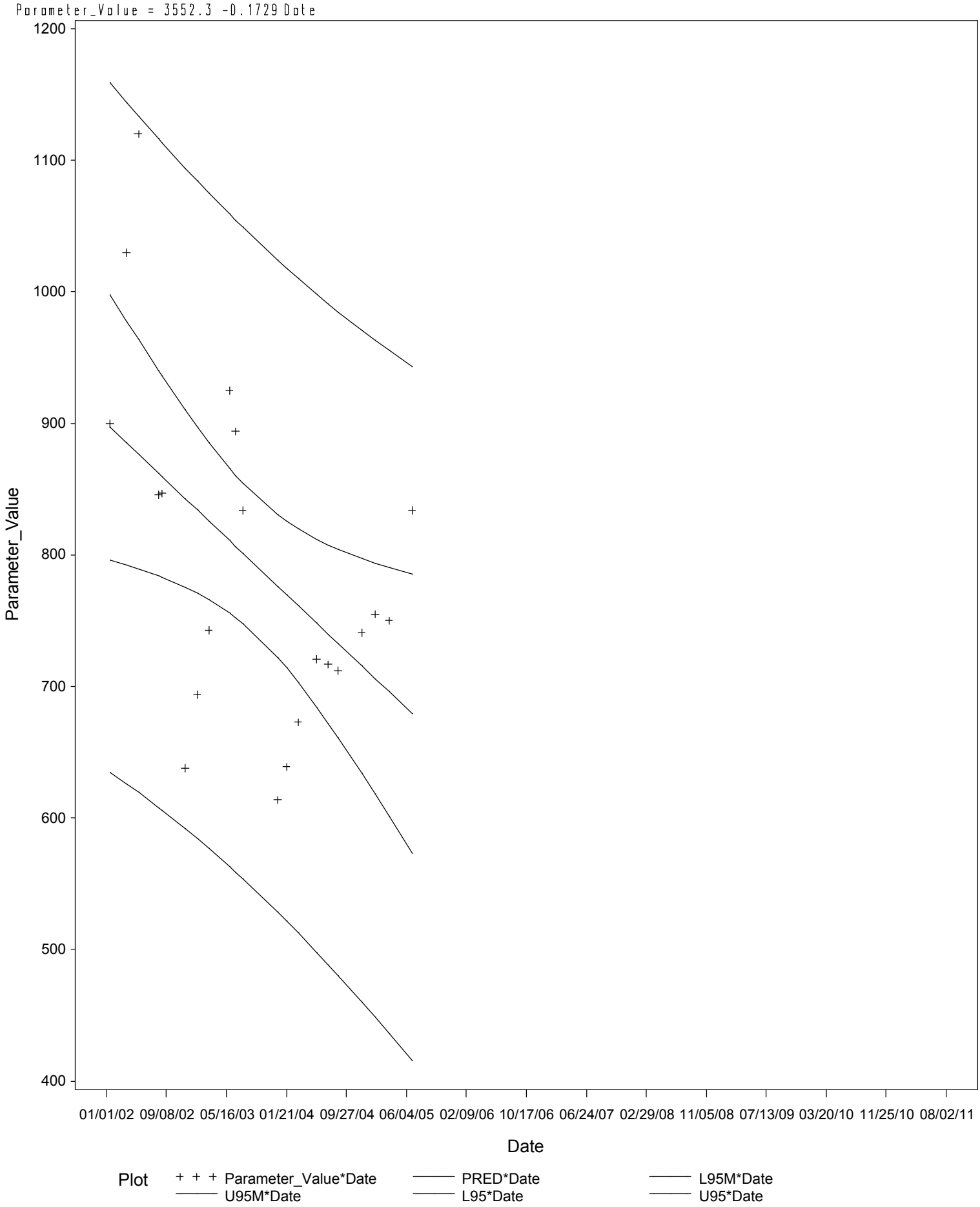
Rio Grande Below Falcon Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13186



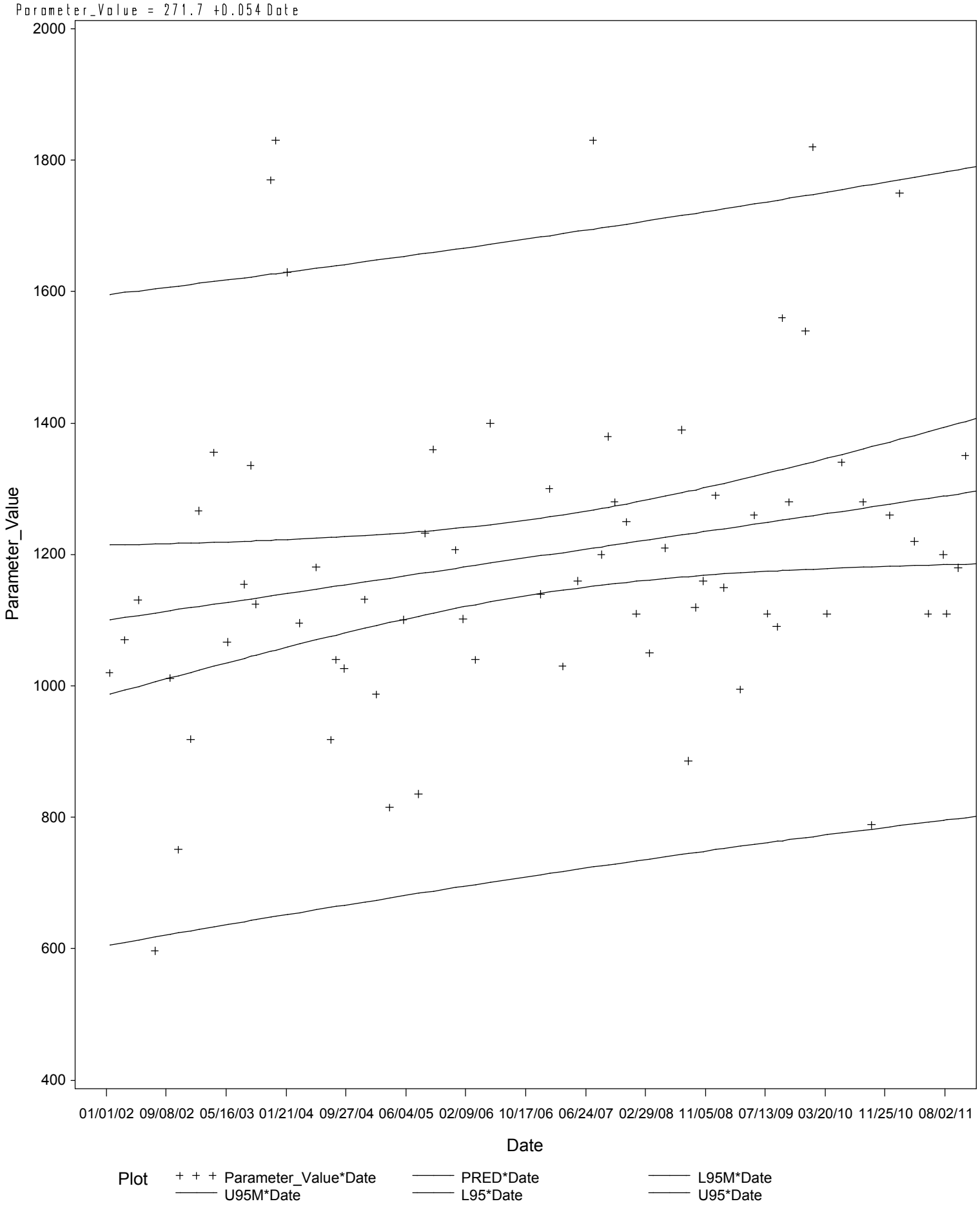
Rio Grande Below Falcon Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13188



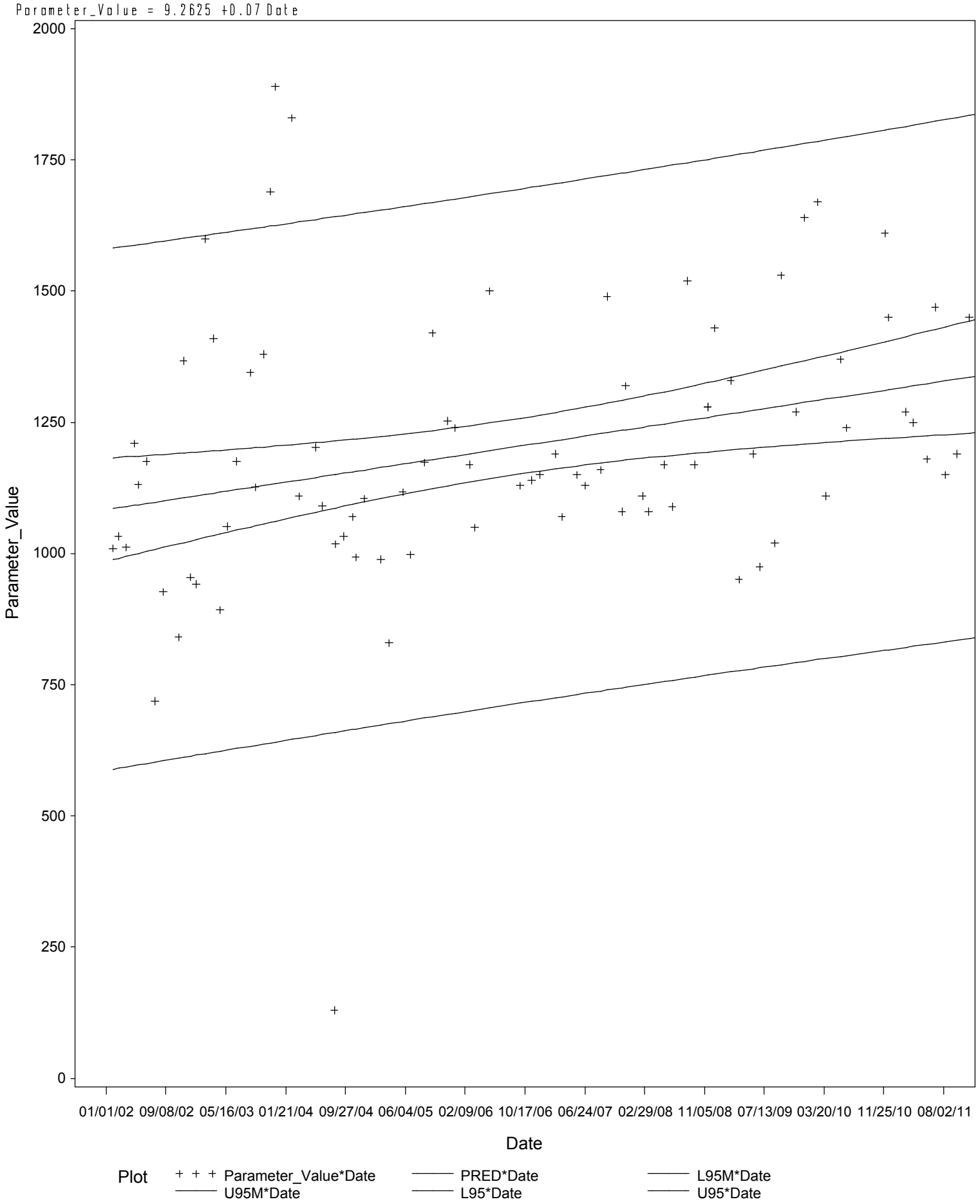
Rio Grande Below Falcon Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13664



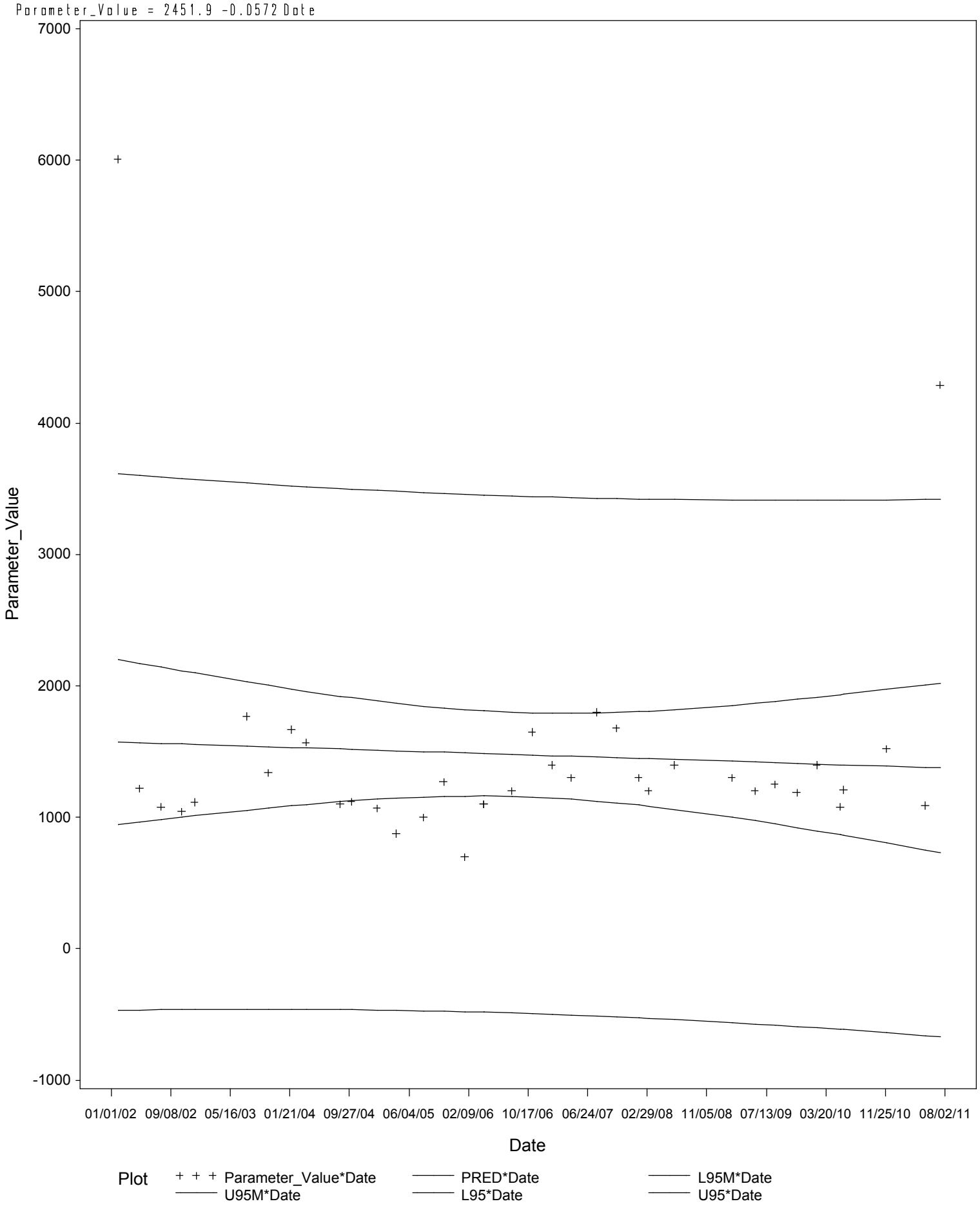
Rio Grande Below Falcon Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=15808



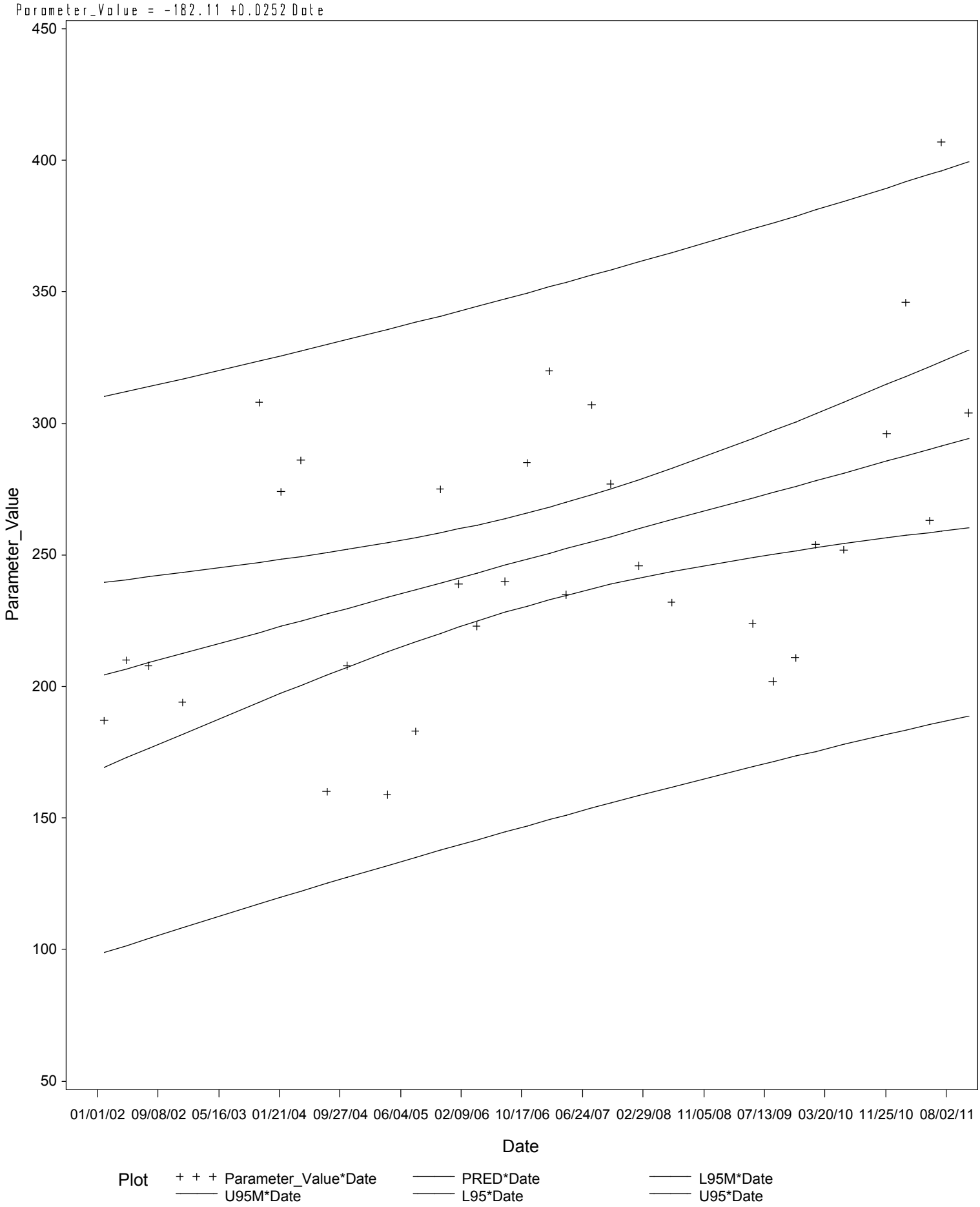
Rio Grande Below Falcon Reservoir

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=17247



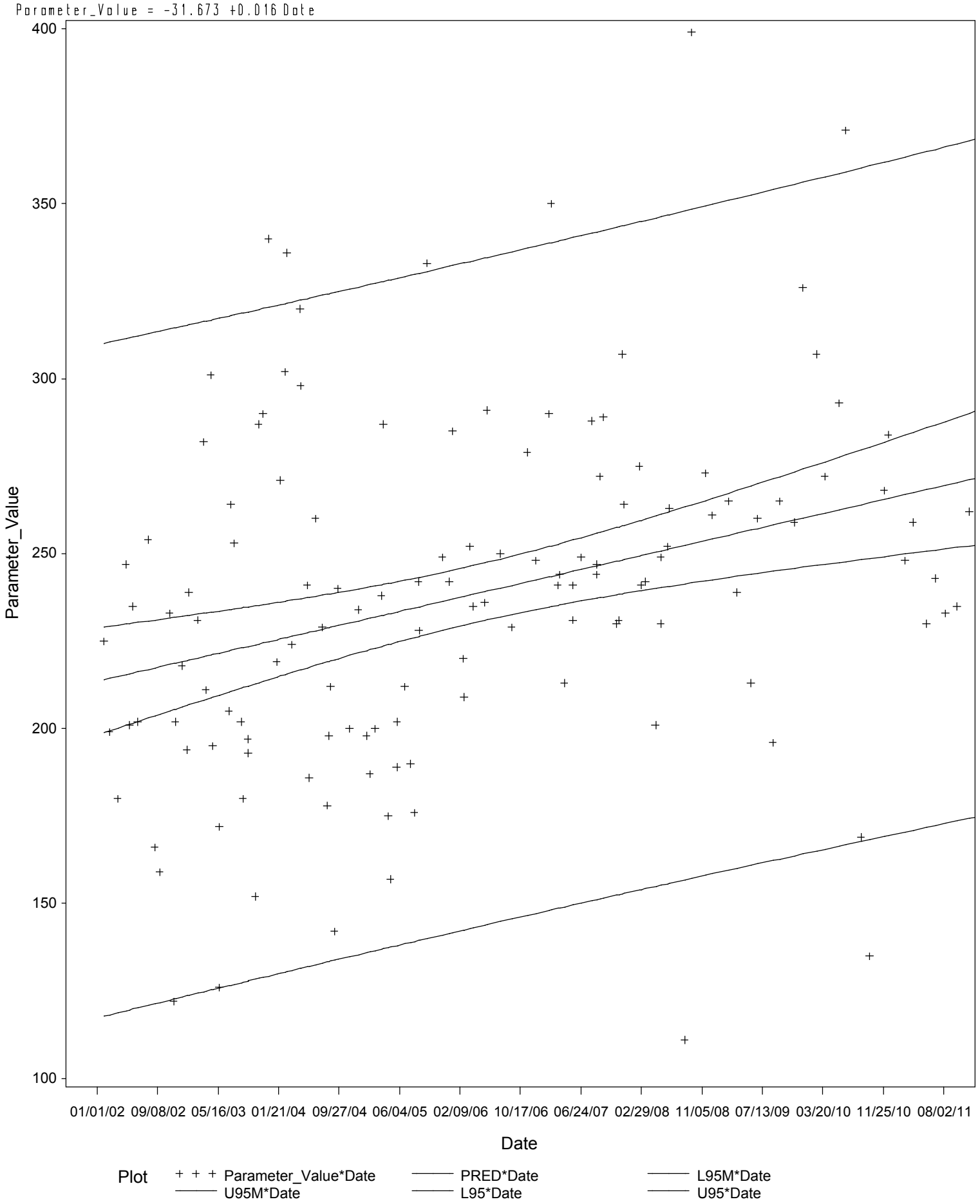
Rio Grande Below Falcon Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=10249



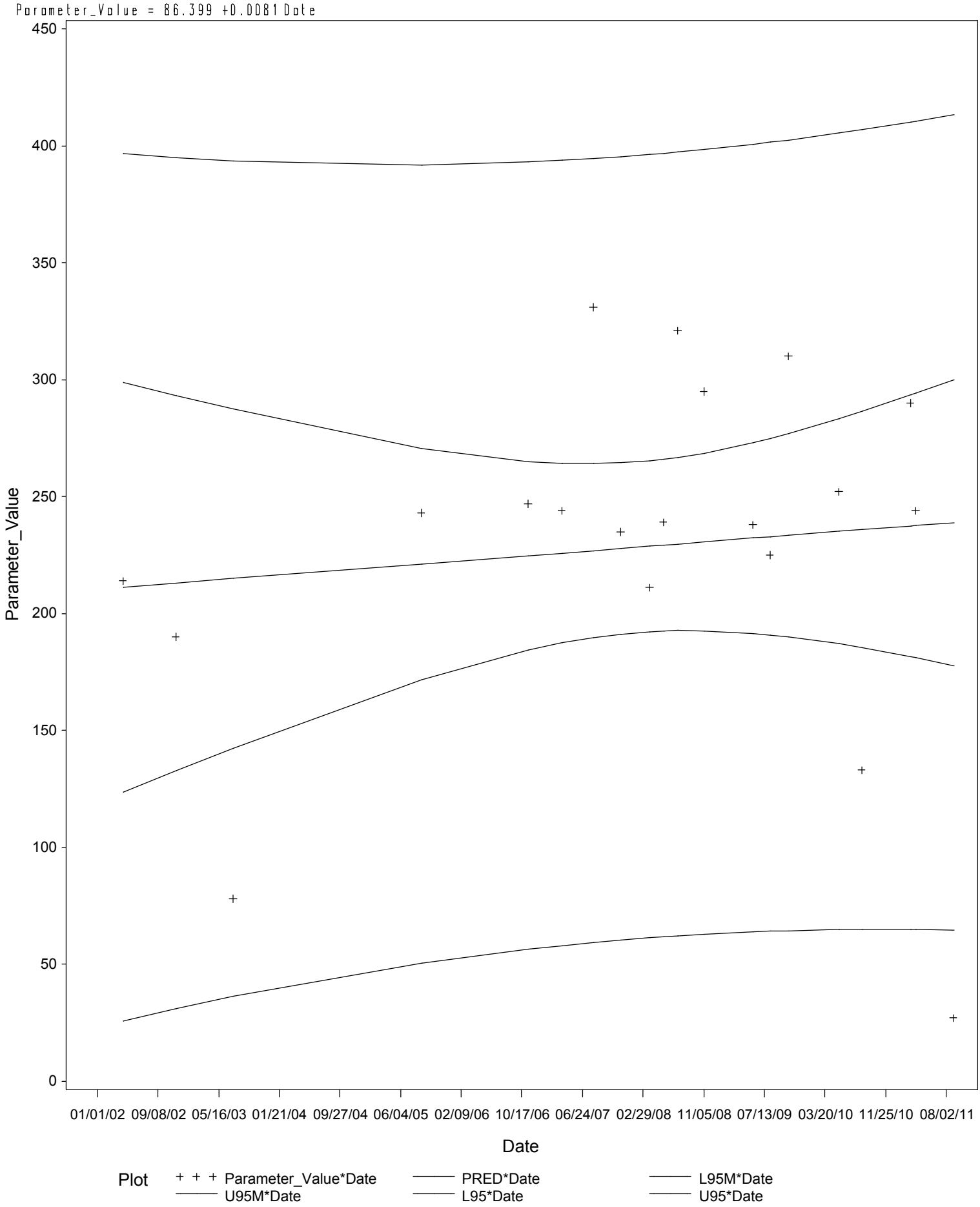
Rio Grande Below Falcon Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13177



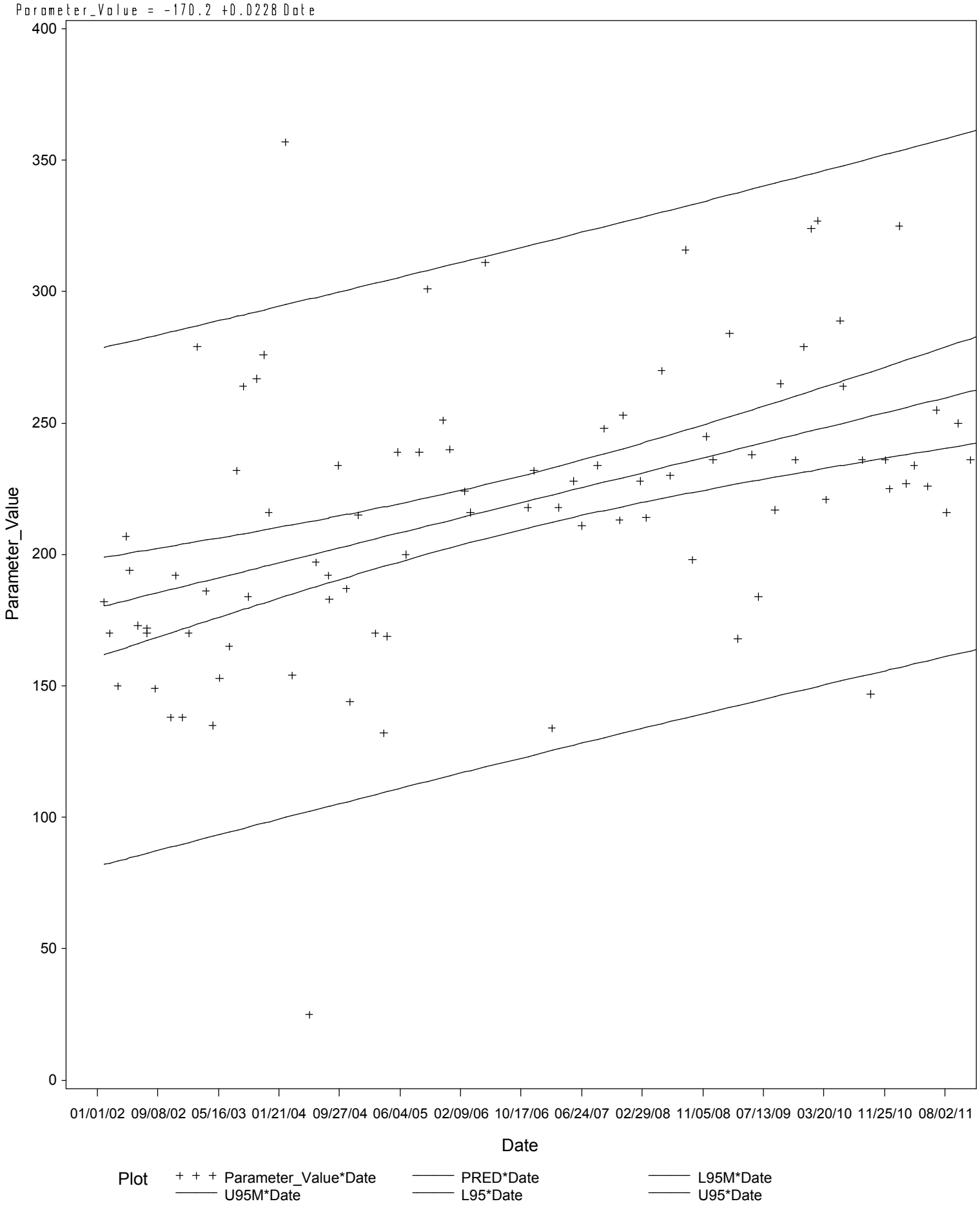
Rio Grande Below Falcon Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13179



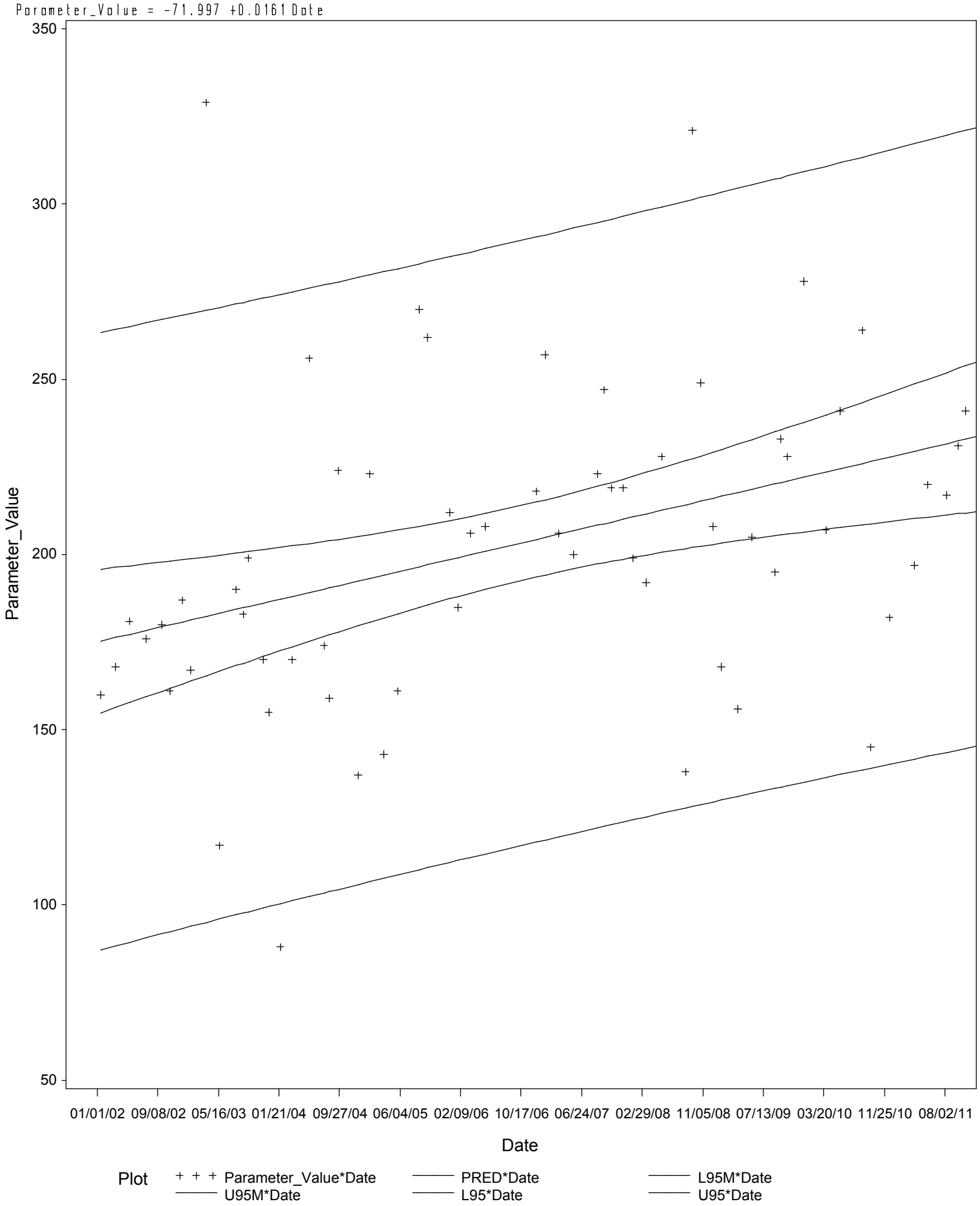
Rio Grande Below Falcon Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13181



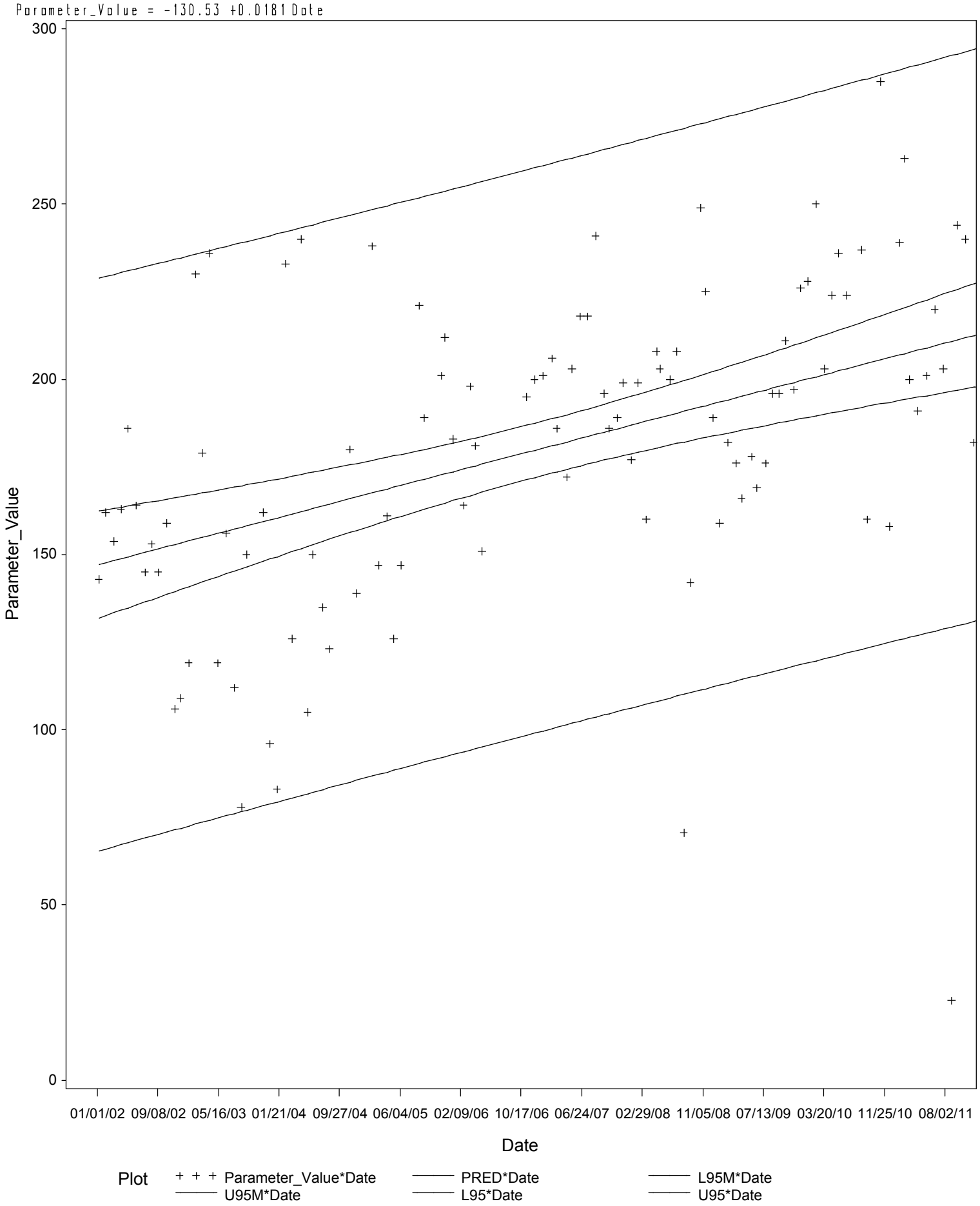
Rio Grande Below Falcon Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13184



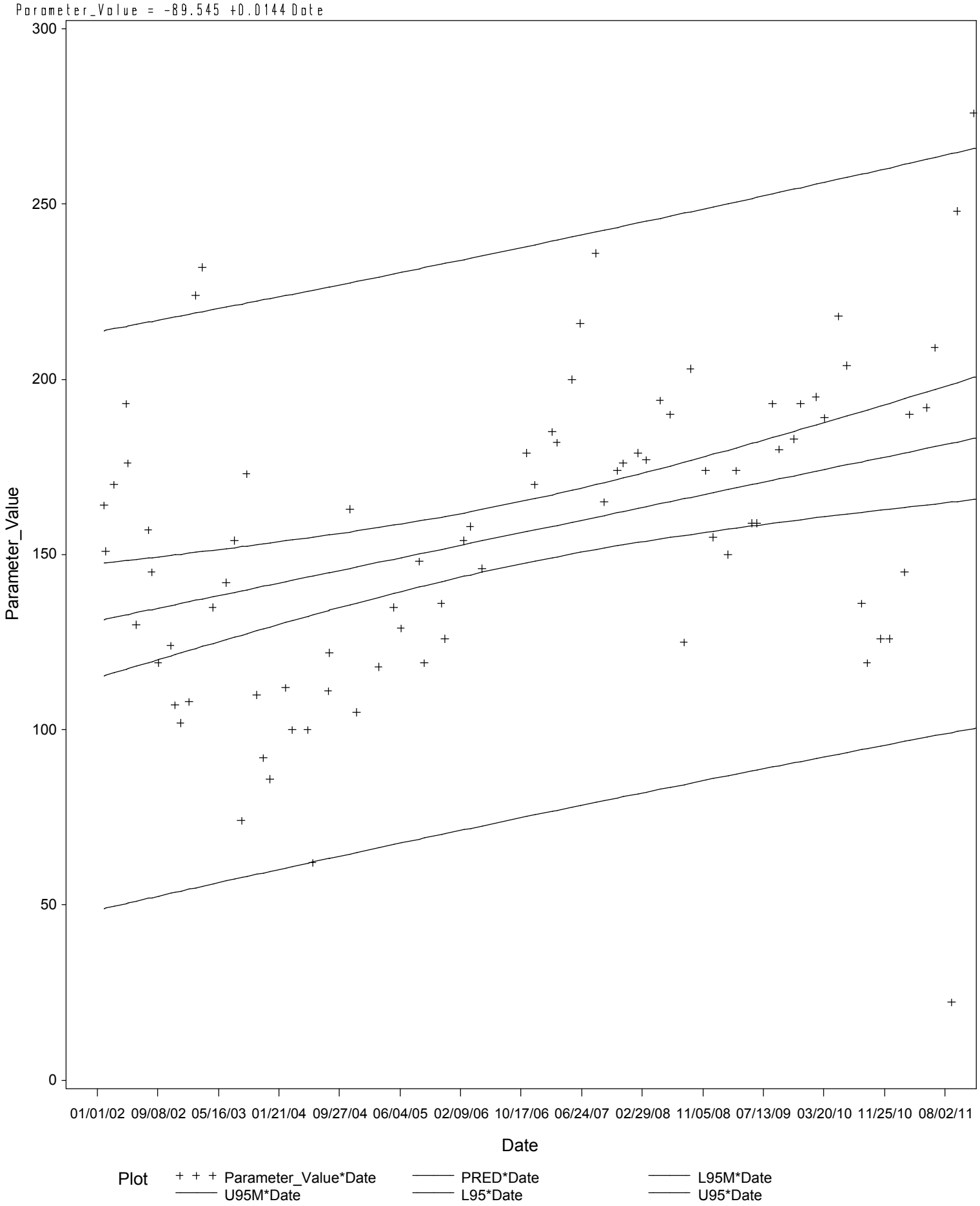
Rio Grande Below Falcon Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13185



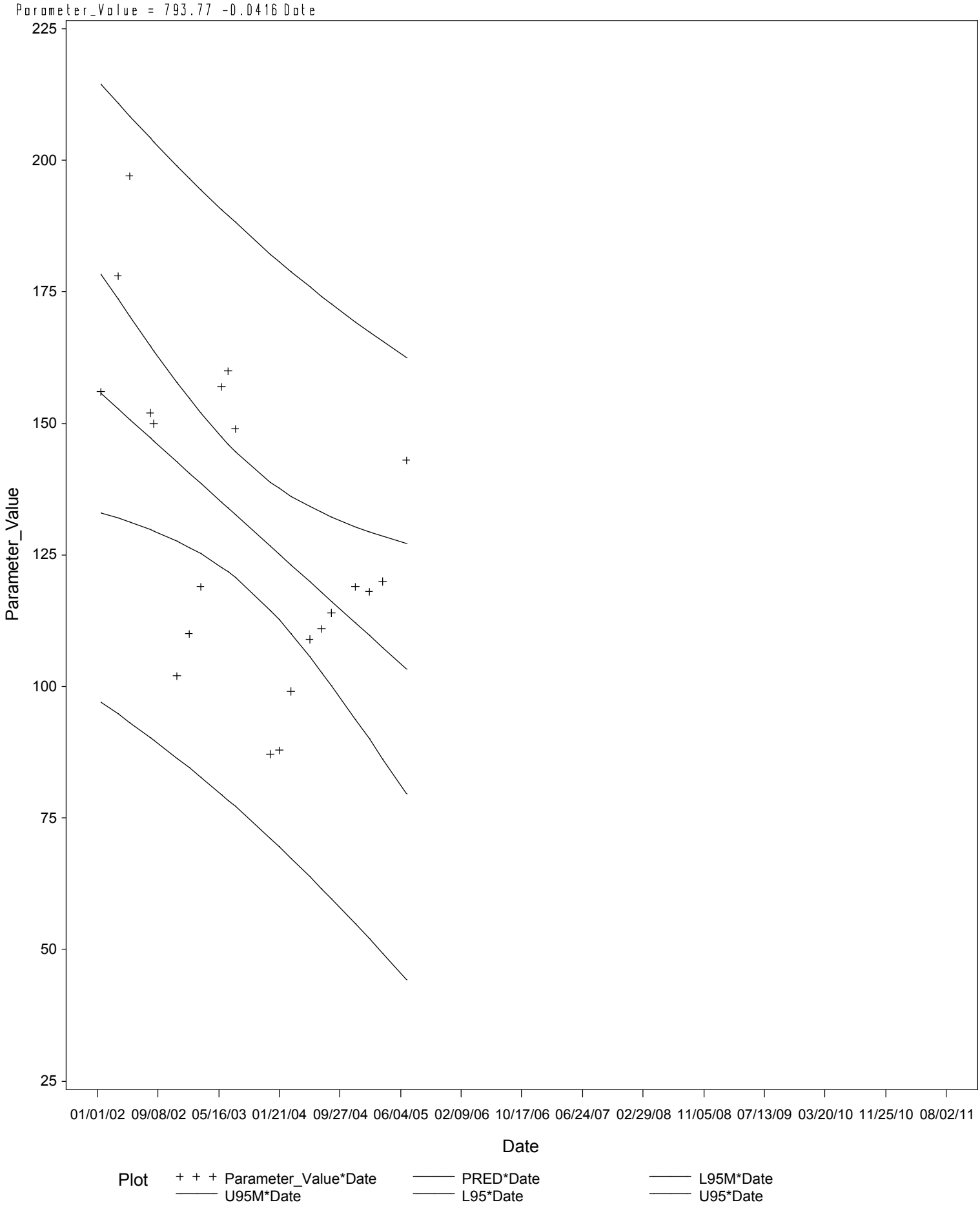
Rio Grande Below Falcon Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13186



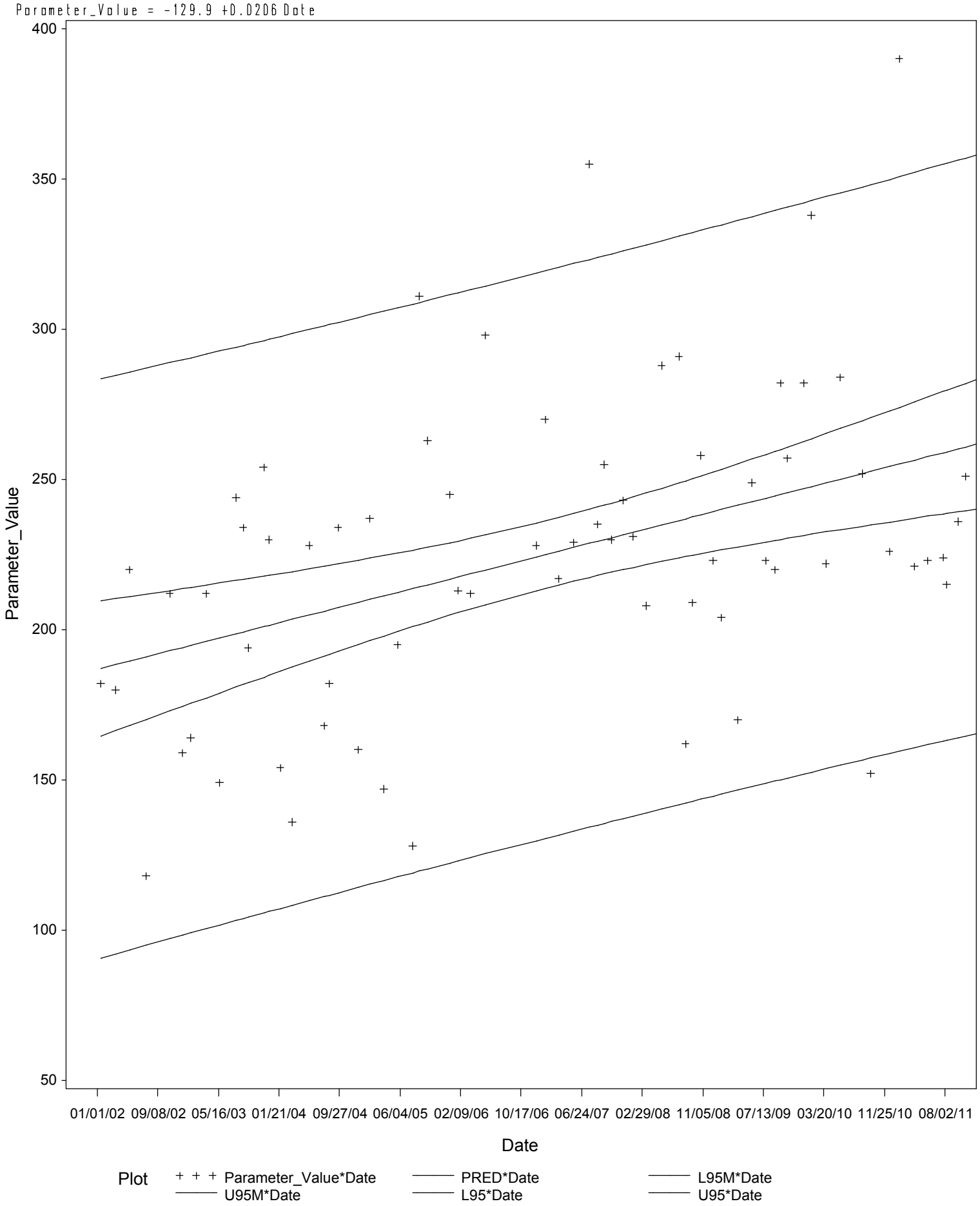
Rio Grande Below Falcon Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13188



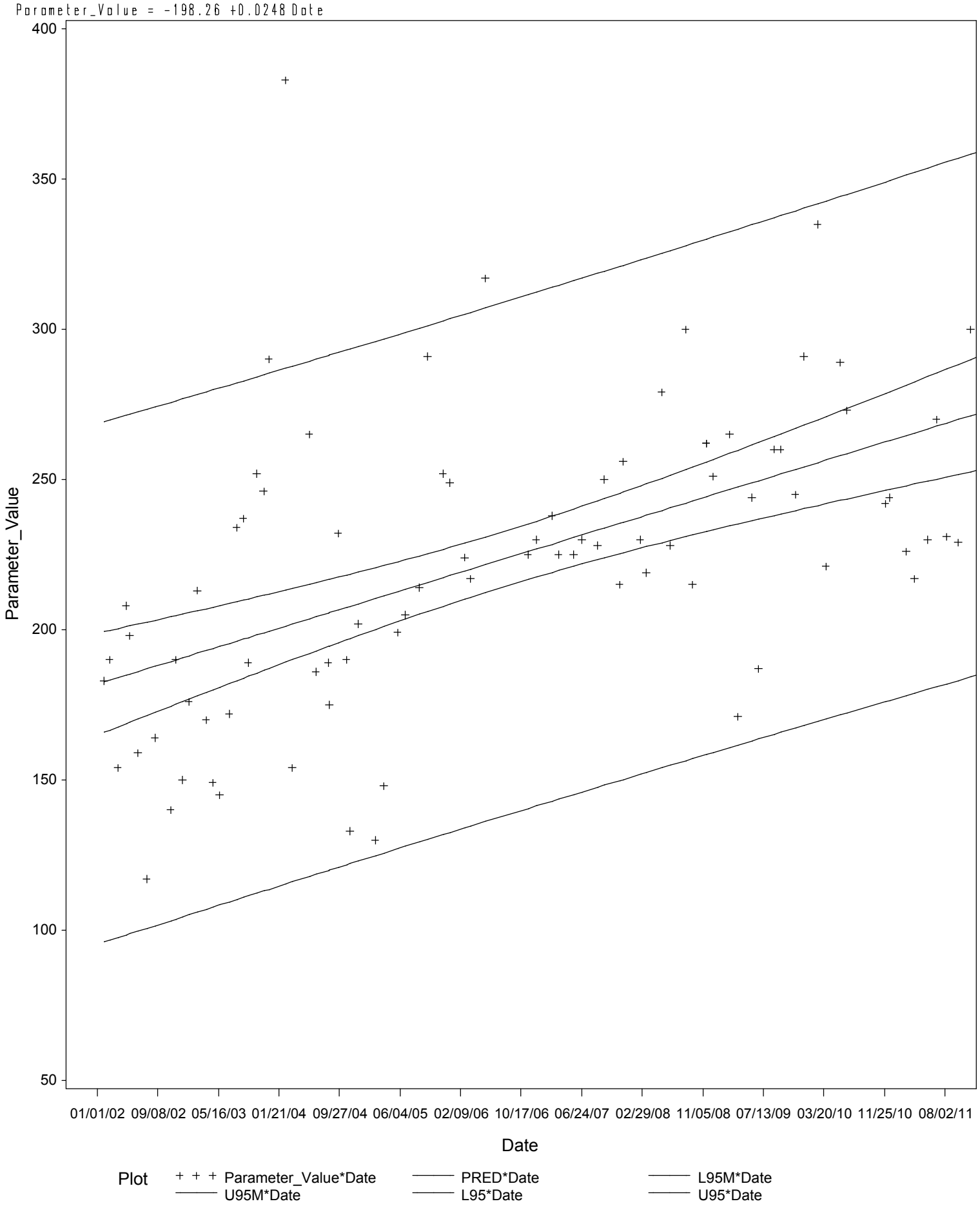
Rio Grande Below Falcon Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=13664



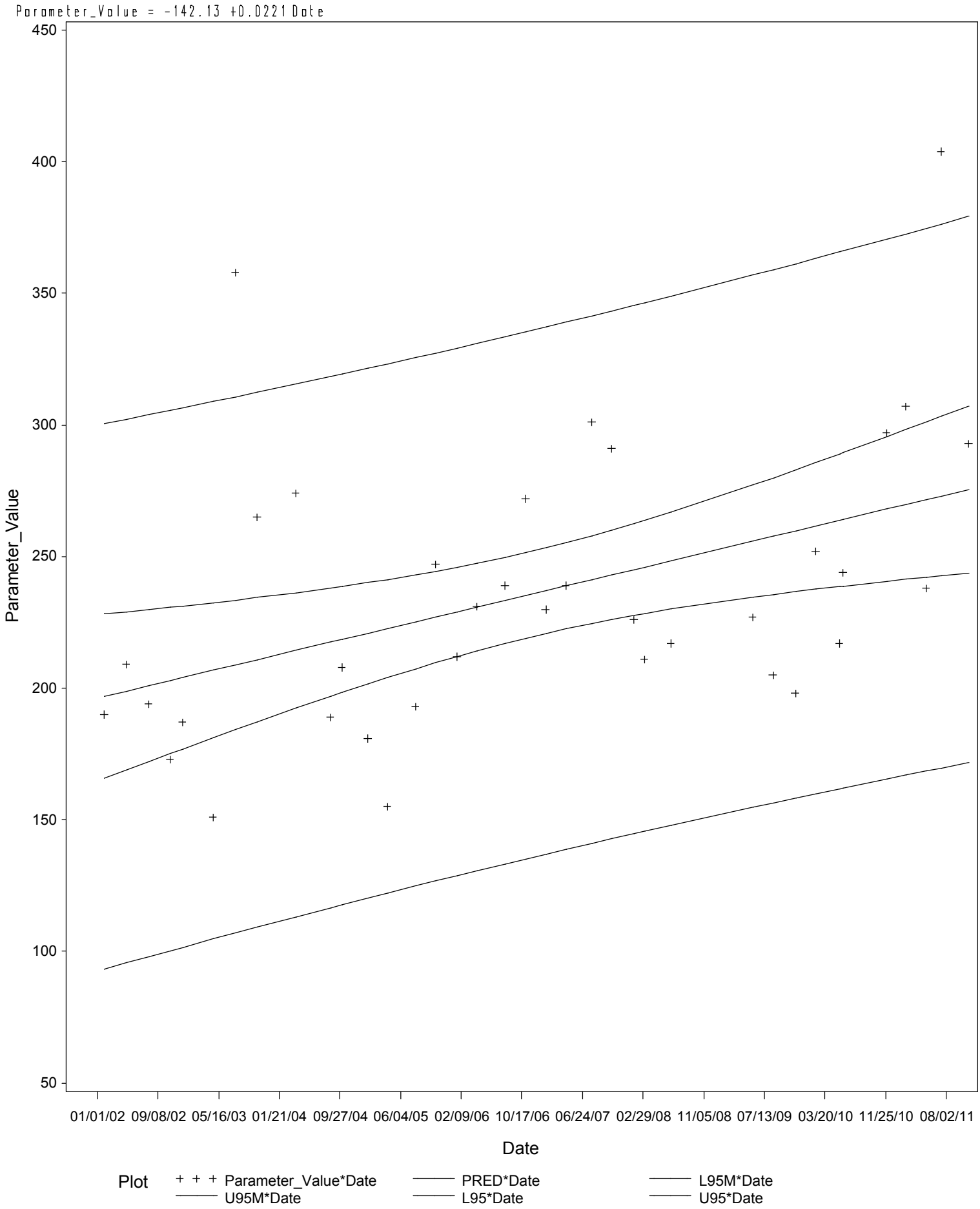
Rio Grande Below Falcon Reservoir

Parameter=SULFATE (MG/L AS SO4) Station=15808

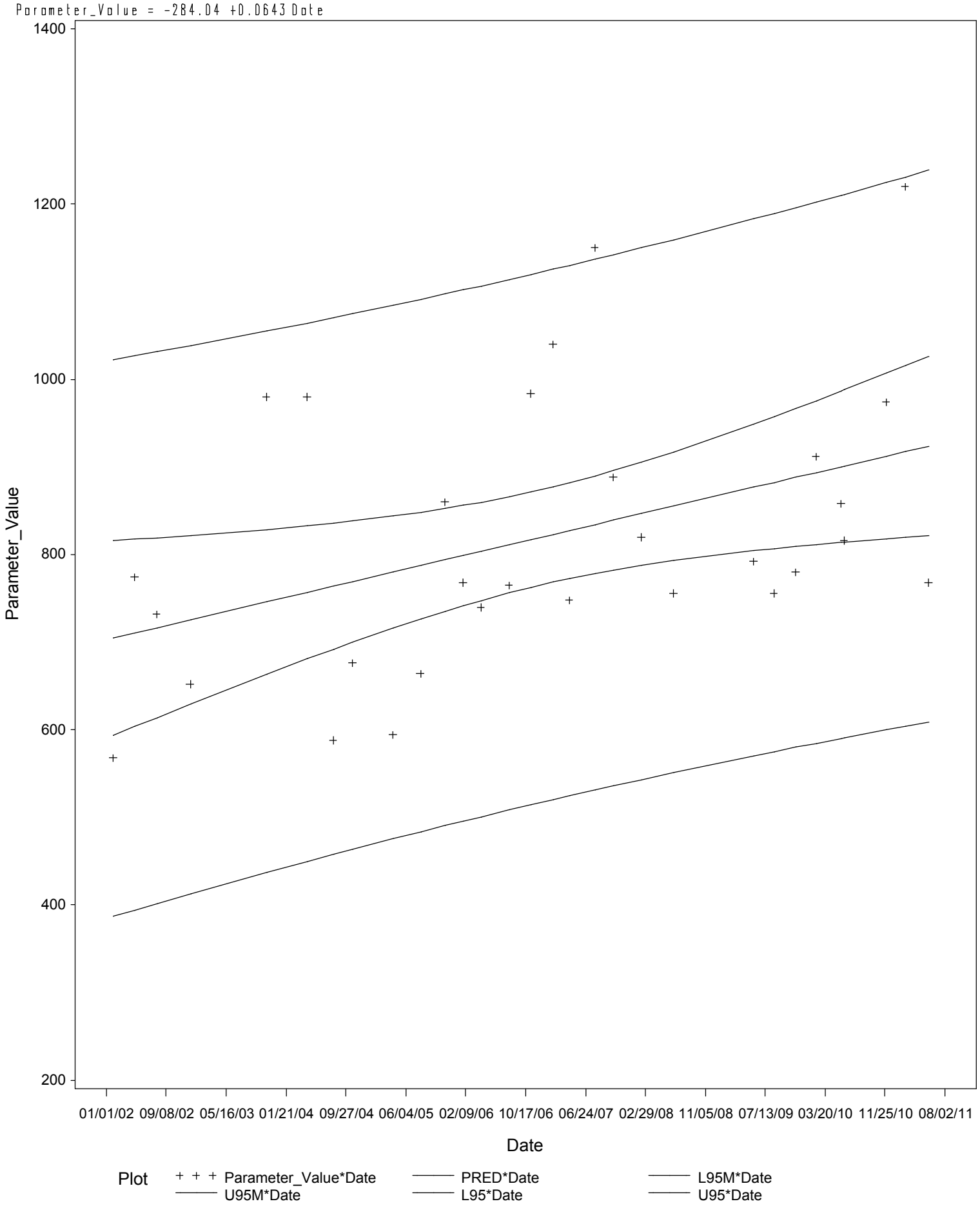


Rio Grande Below Falcon Reservoir

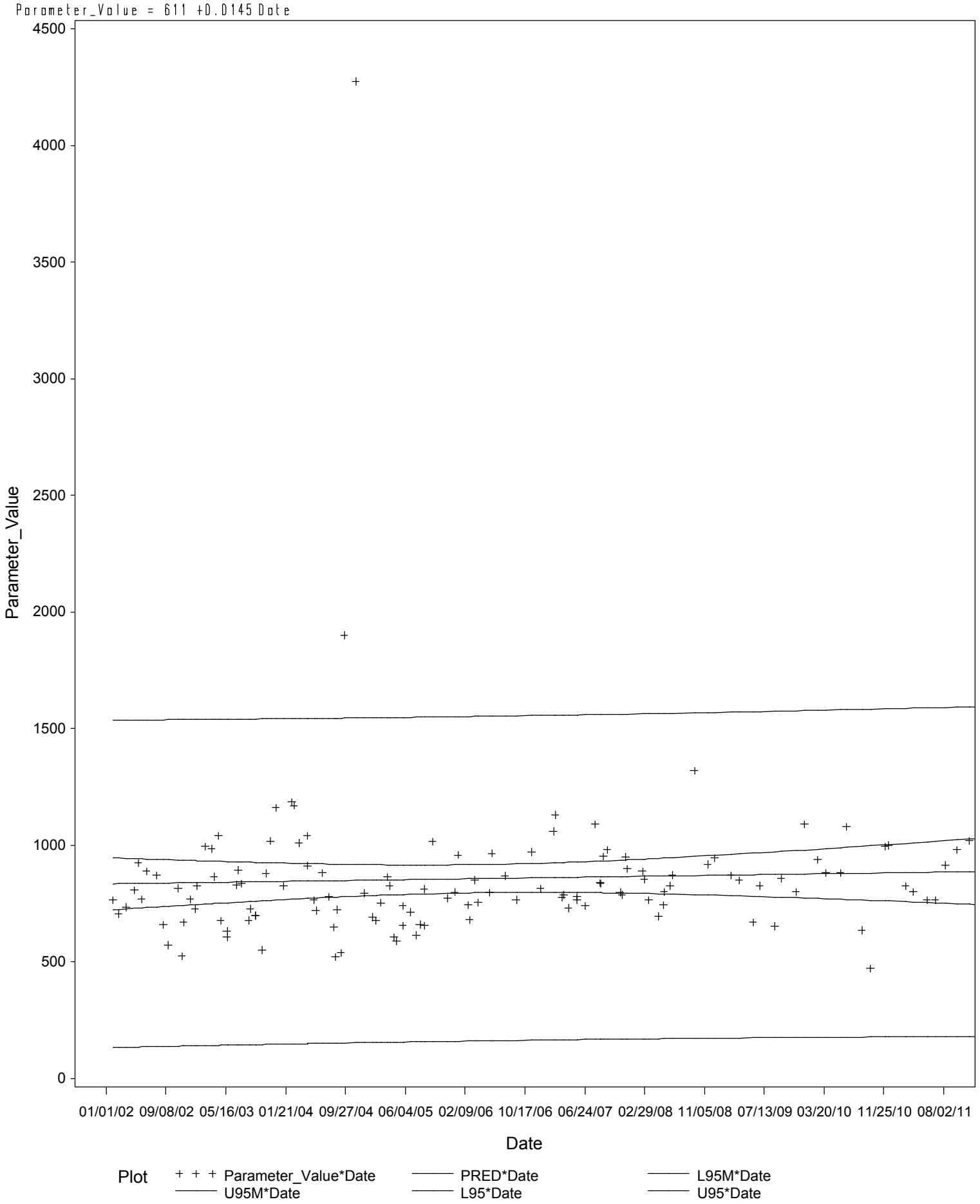
Parameter=SULFATE (MG/L AS SO4) Station=17247



Rio Grande Below Falcon Reservoir
Parameter=TDS (MG/L) Station=10249

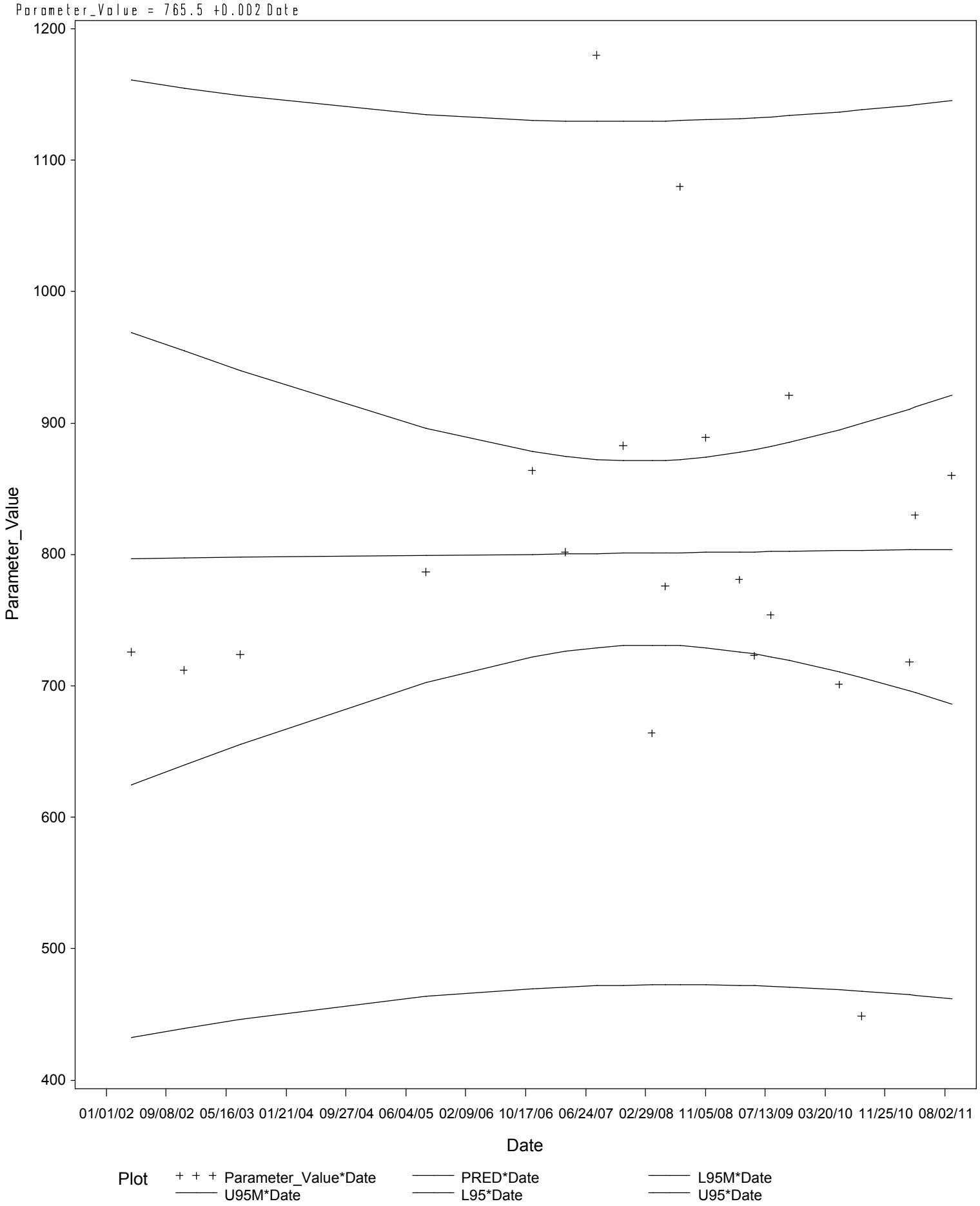


Rio Grande Below Falcon Reservoir
Parameter=TDS (MG/L) Station=13177

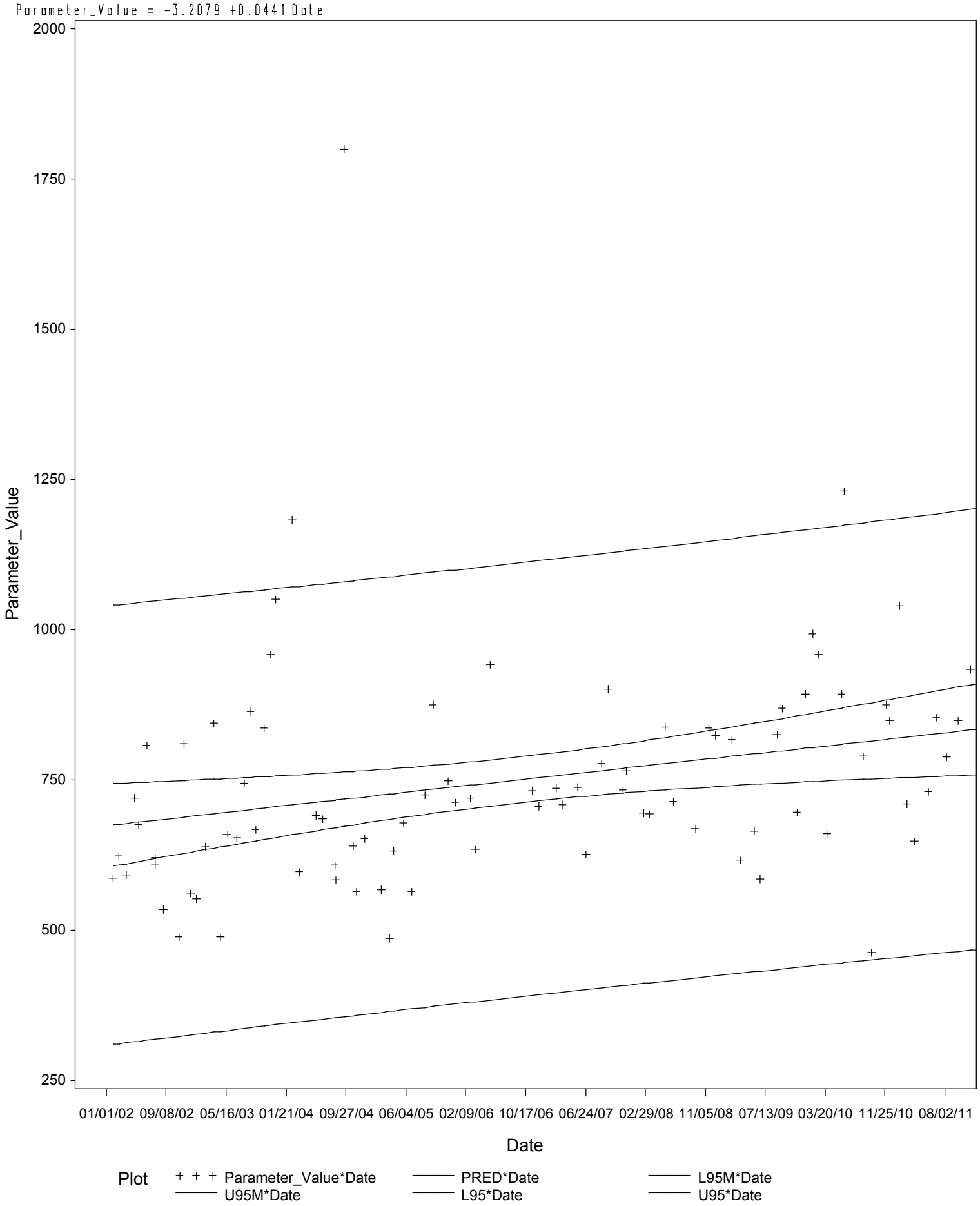


Rio Grande Below Falcon Reservoir

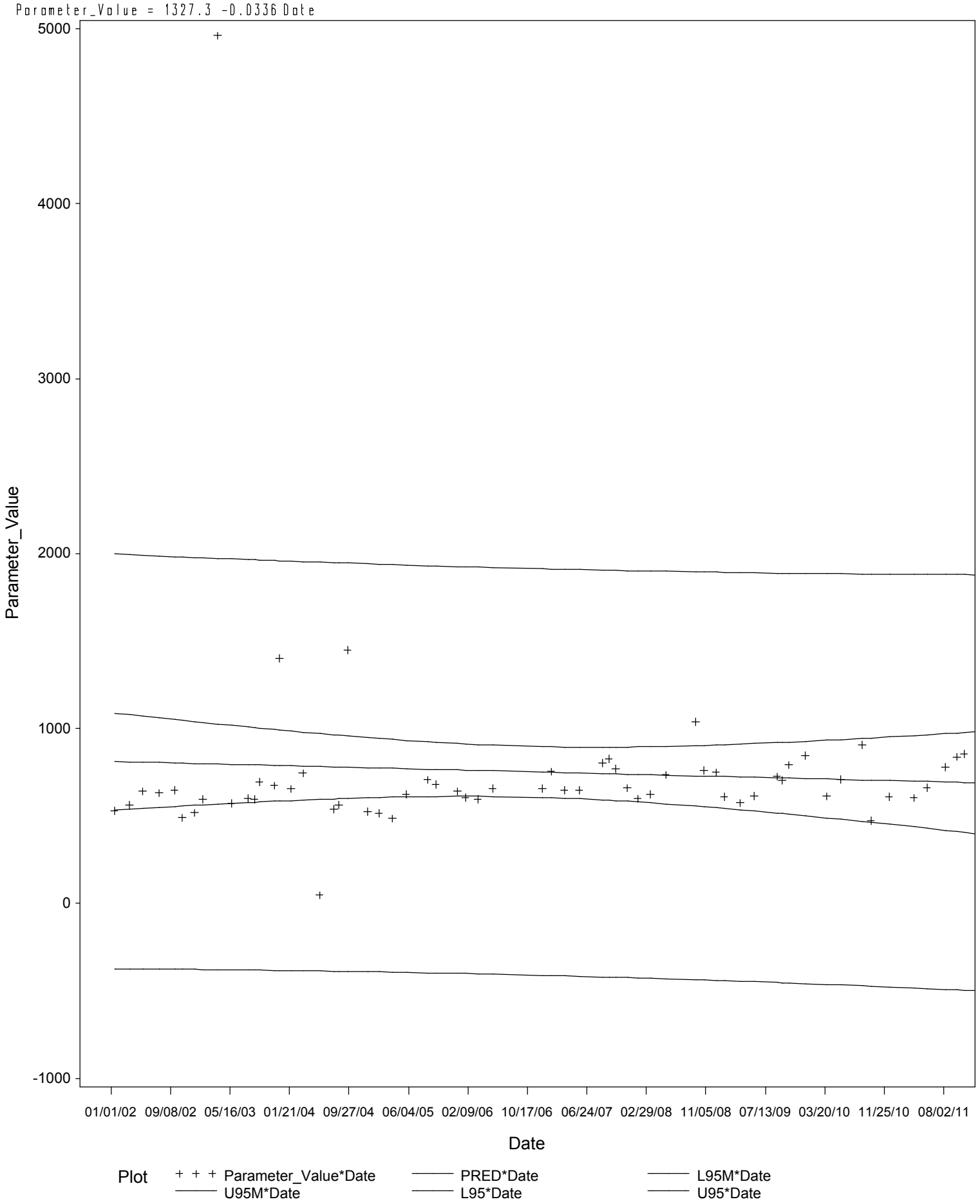
Parameter=TDS (MG/L) Station=13179



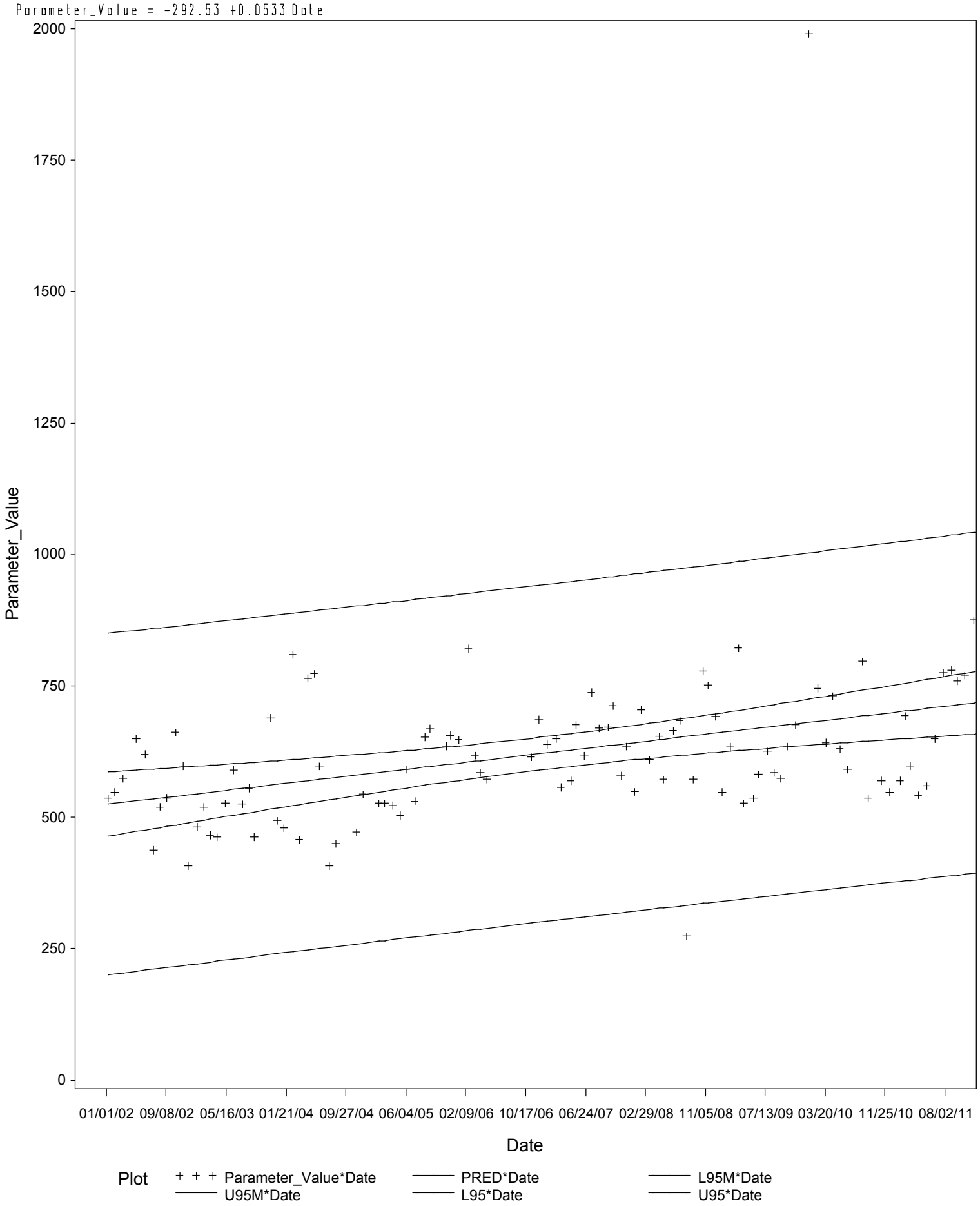
Rio Grande Below Falcon Reservoir
Parameter=TDS (MG/L) Station=13181



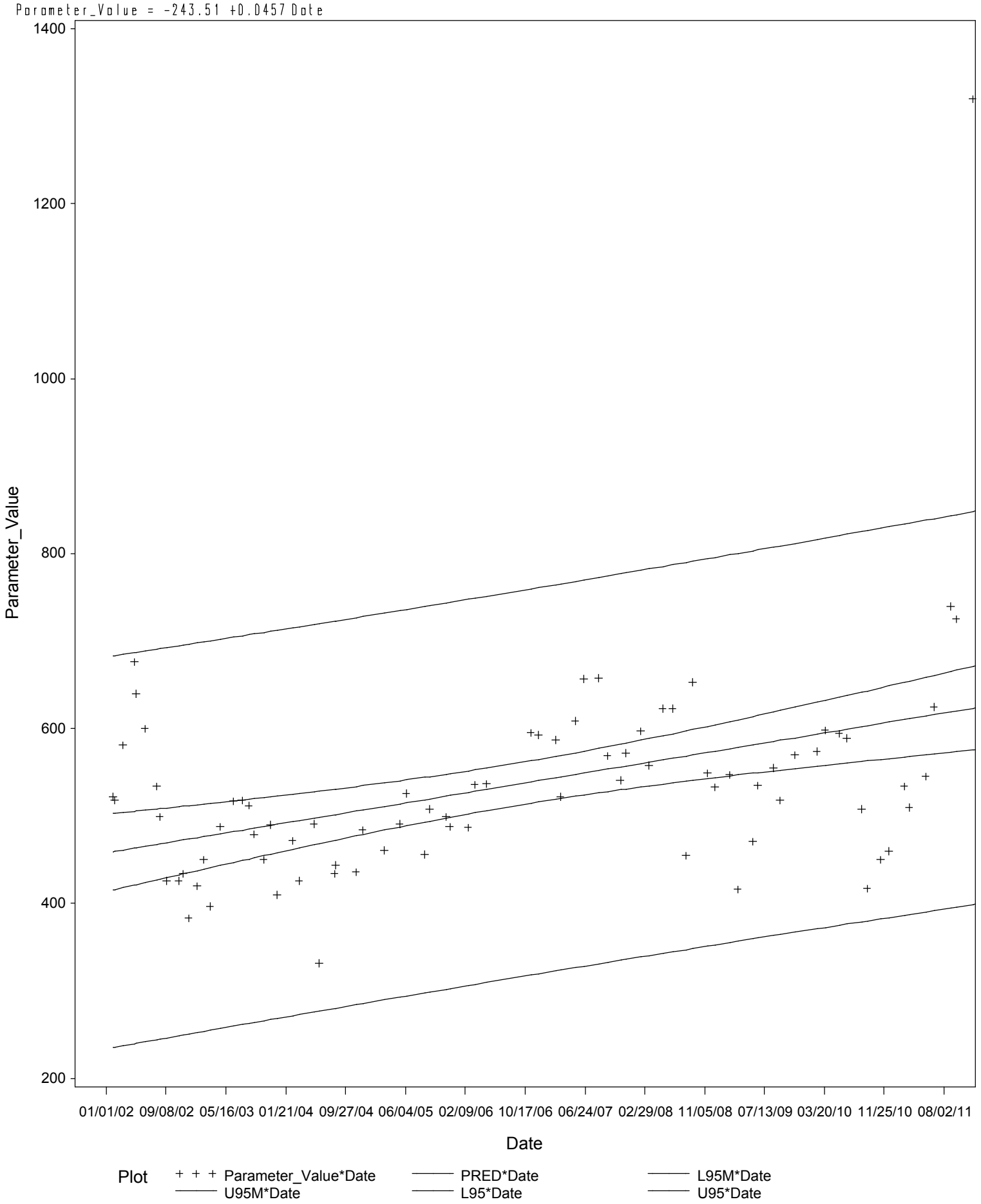
Rio Grande Below Falcon Reservoir
Parameter=TDS (MG/L) Station=13184



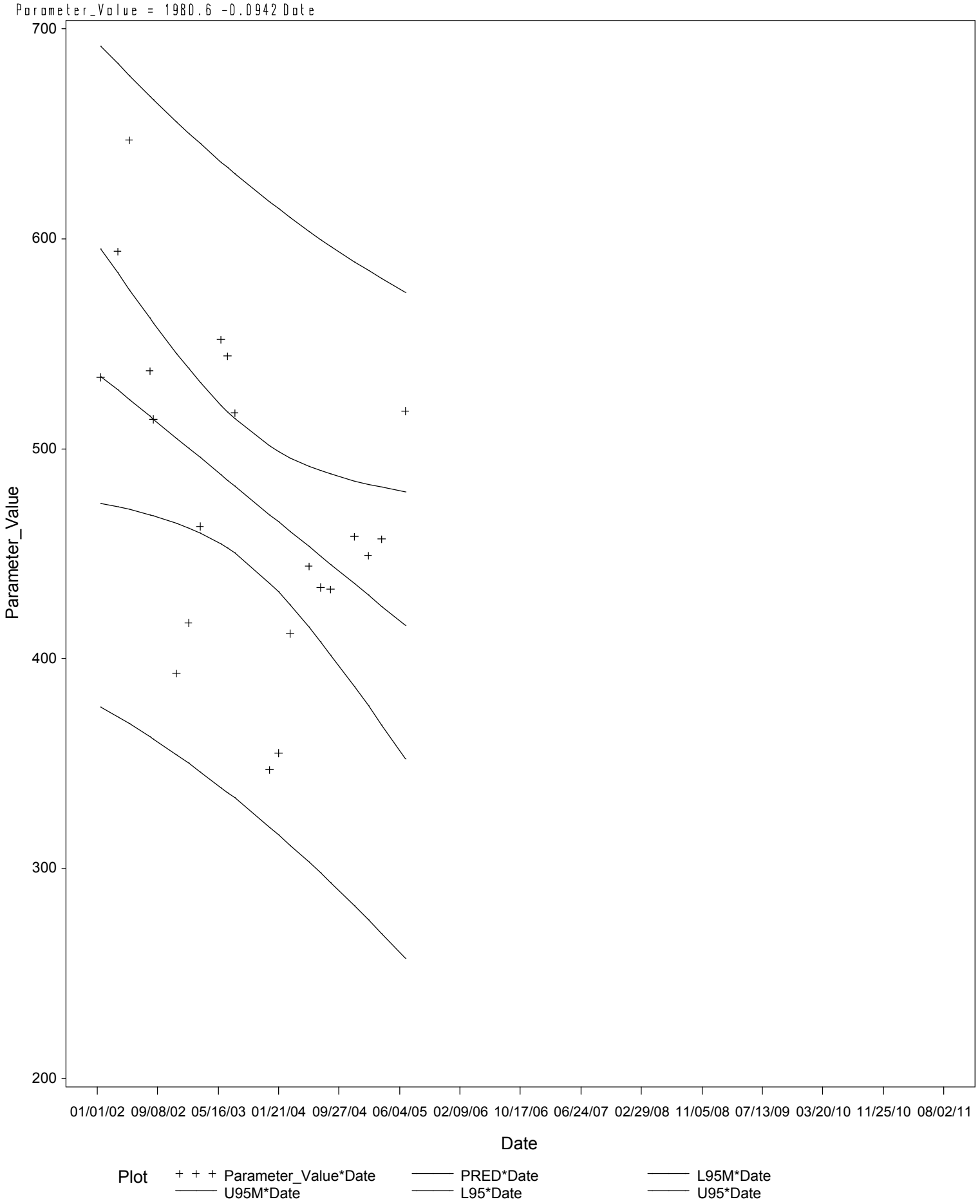
Rio Grande Below Falcon Reservoir
Parameter=TDS (MG/L) Station=13185



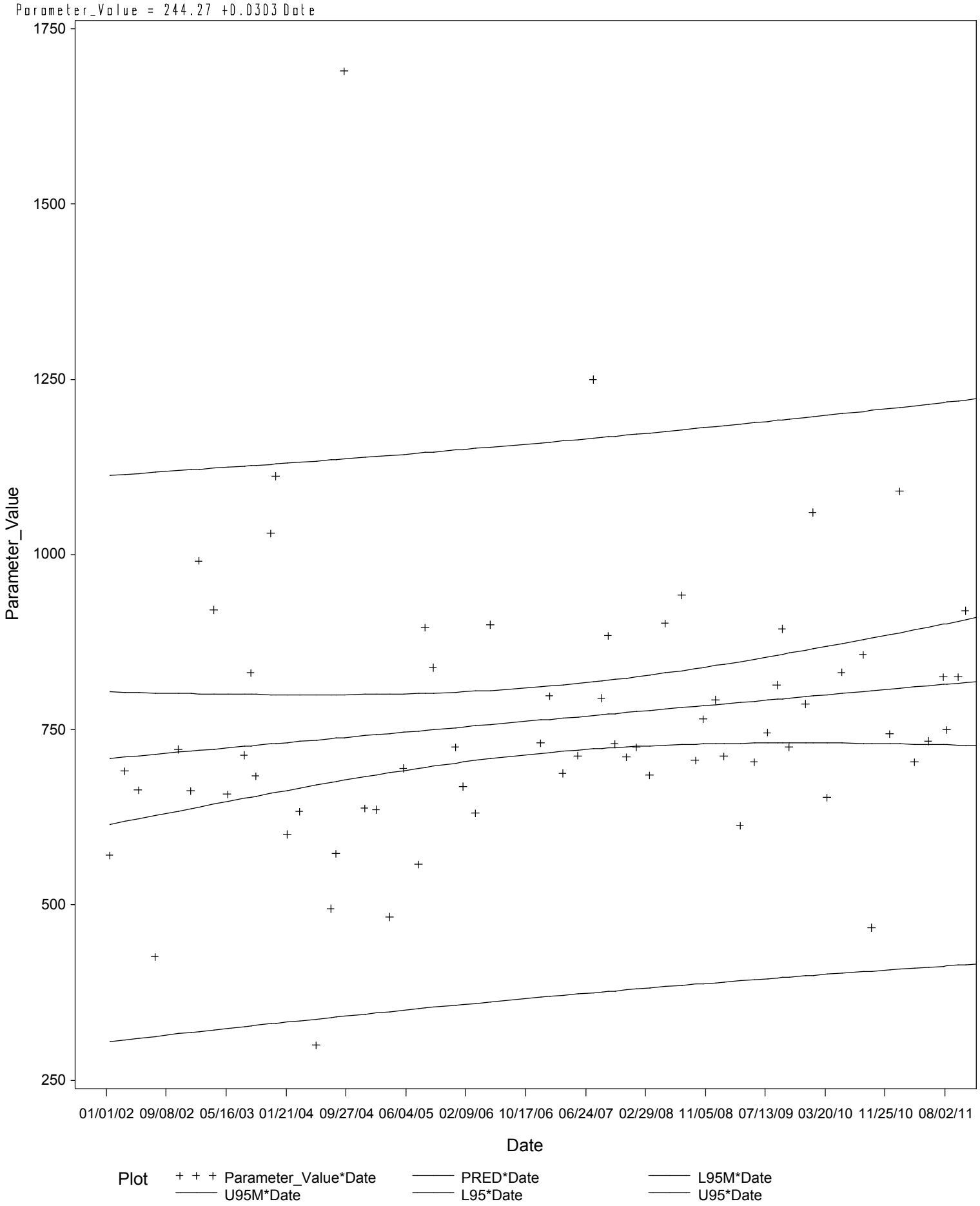
Rio Grande Below Falcon Reservoir
Parameter=TDS (MG/L) Station=13186



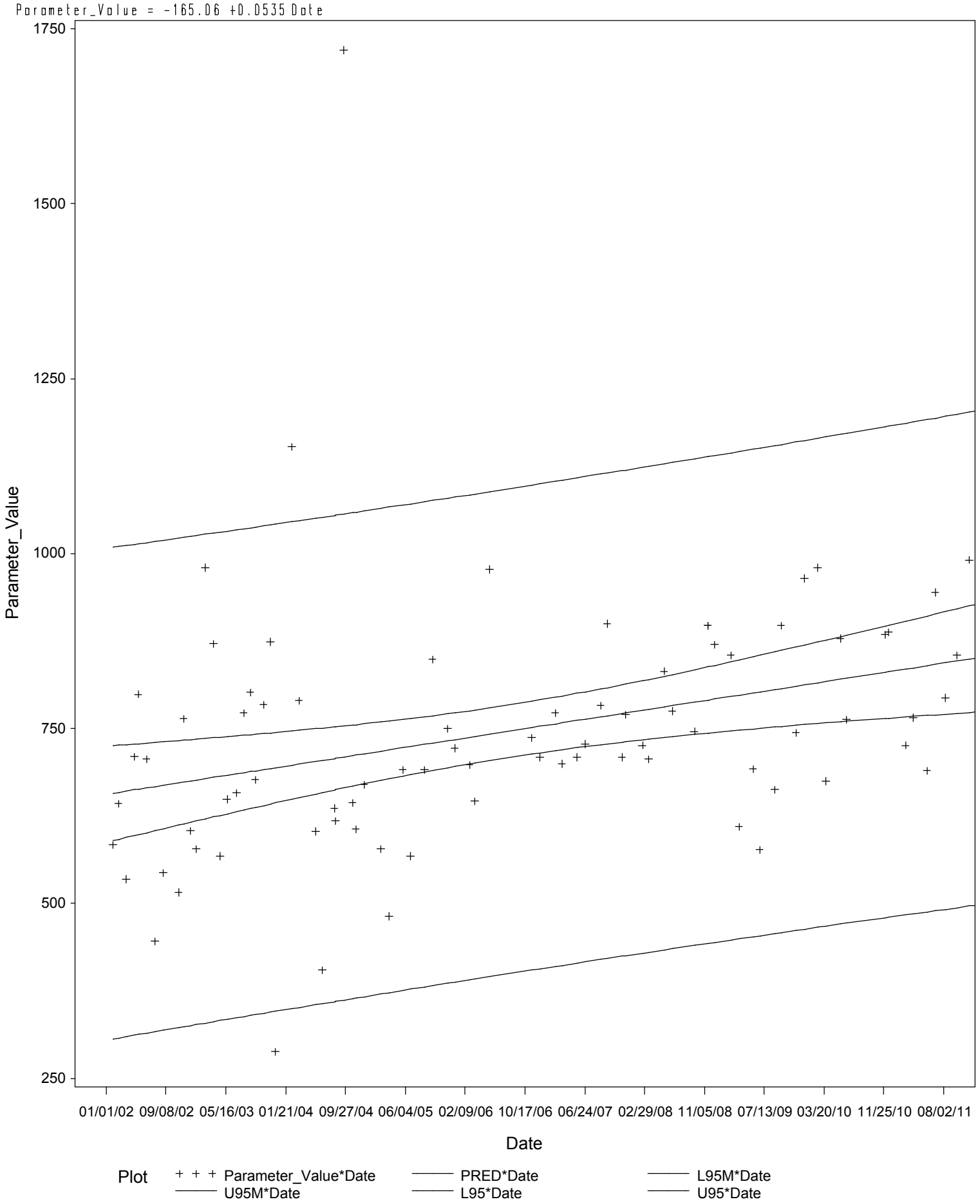
Rio Grande Below Falcon Reservoir
Parameter=TDS (MG/L) Station=13188



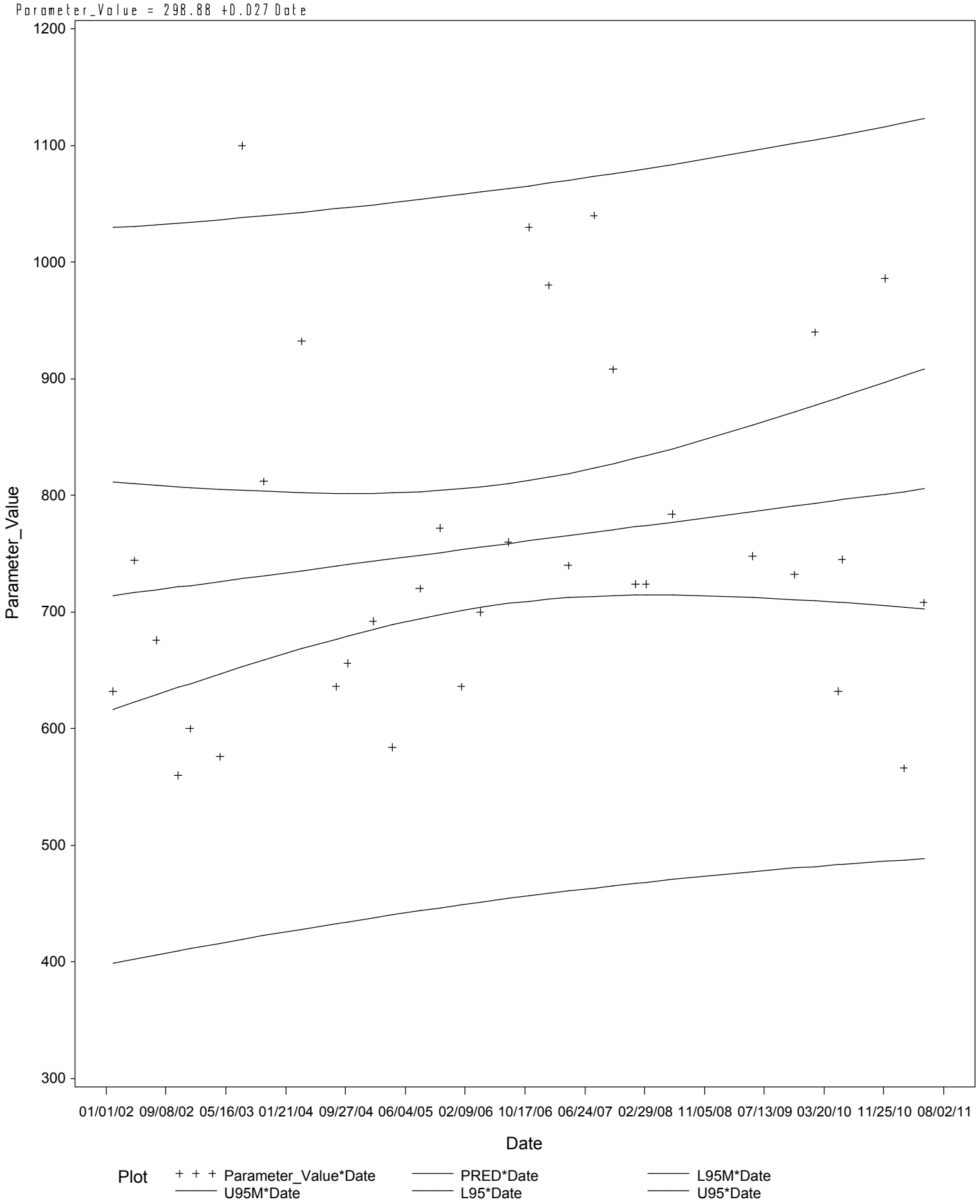
Rio Grande Below Falcon Reservoir
Parameter=TDS (MG/L) Station=13664



Rio Grande Below Falcon Reservoir
Parameter=TDS (MG/L) Station=15808



Rio Grande Below Falcon Reservoir
Parameter=TDS (MG/L) Station=17247



Rio Grande Below Falcon Reservoir
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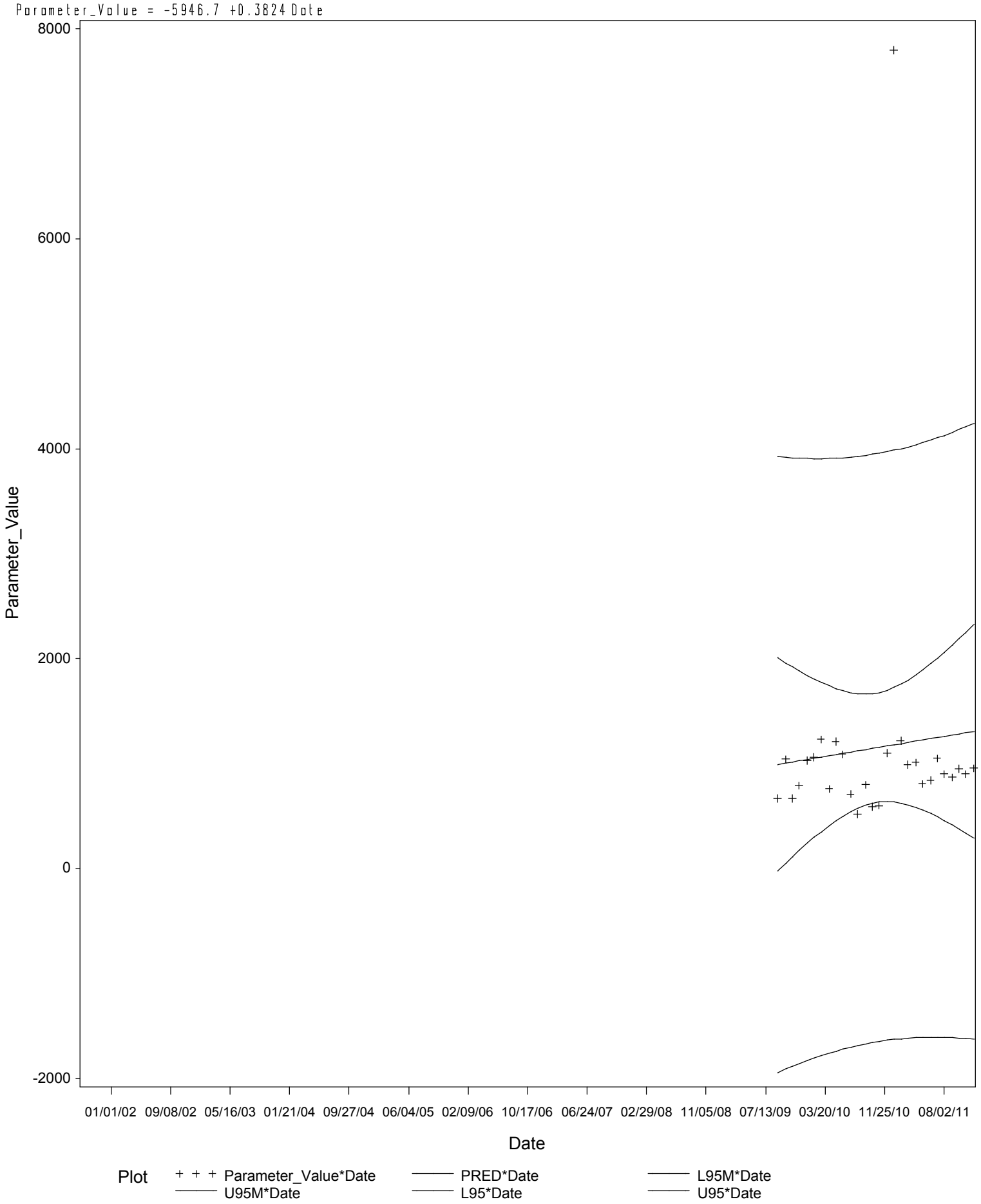
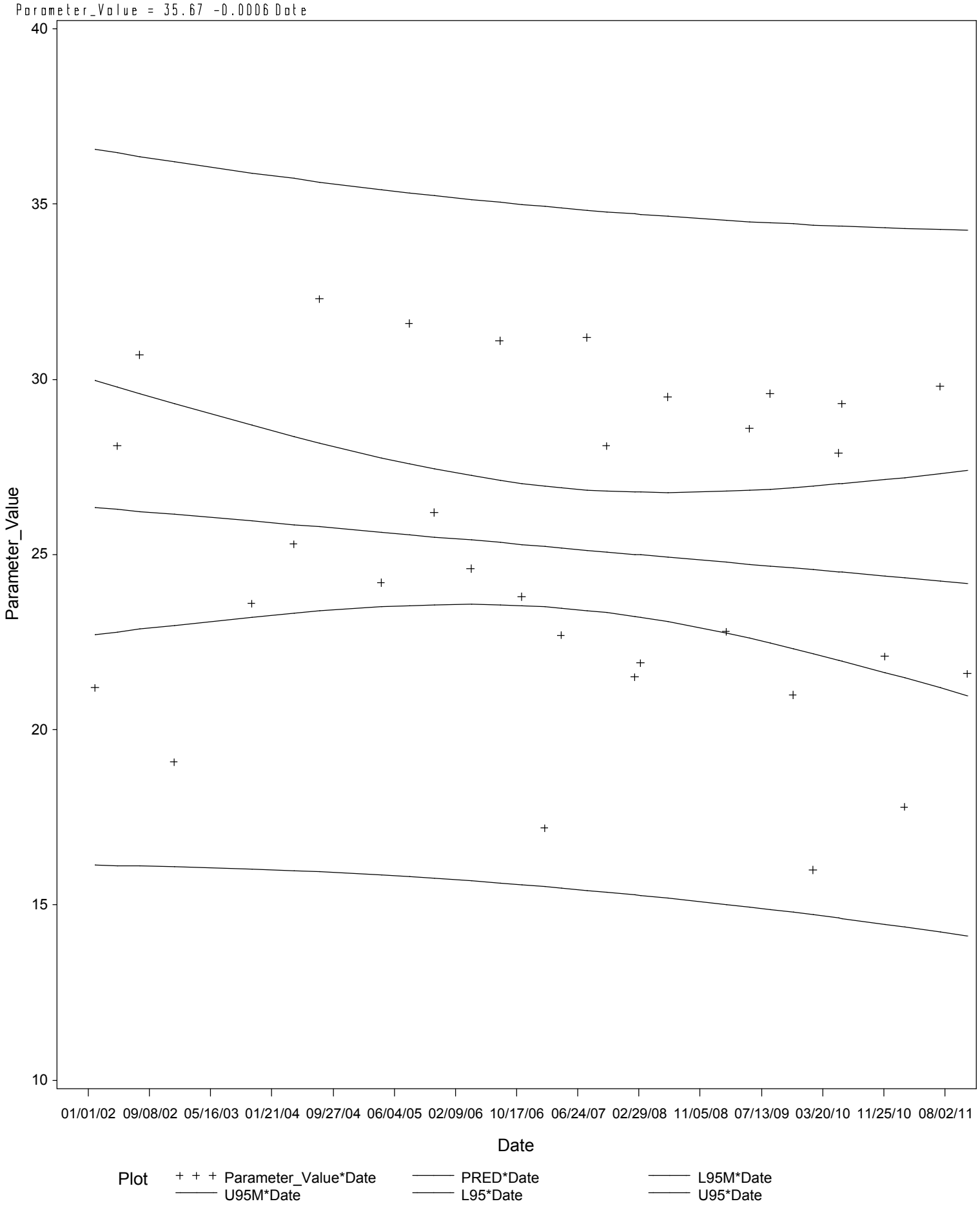


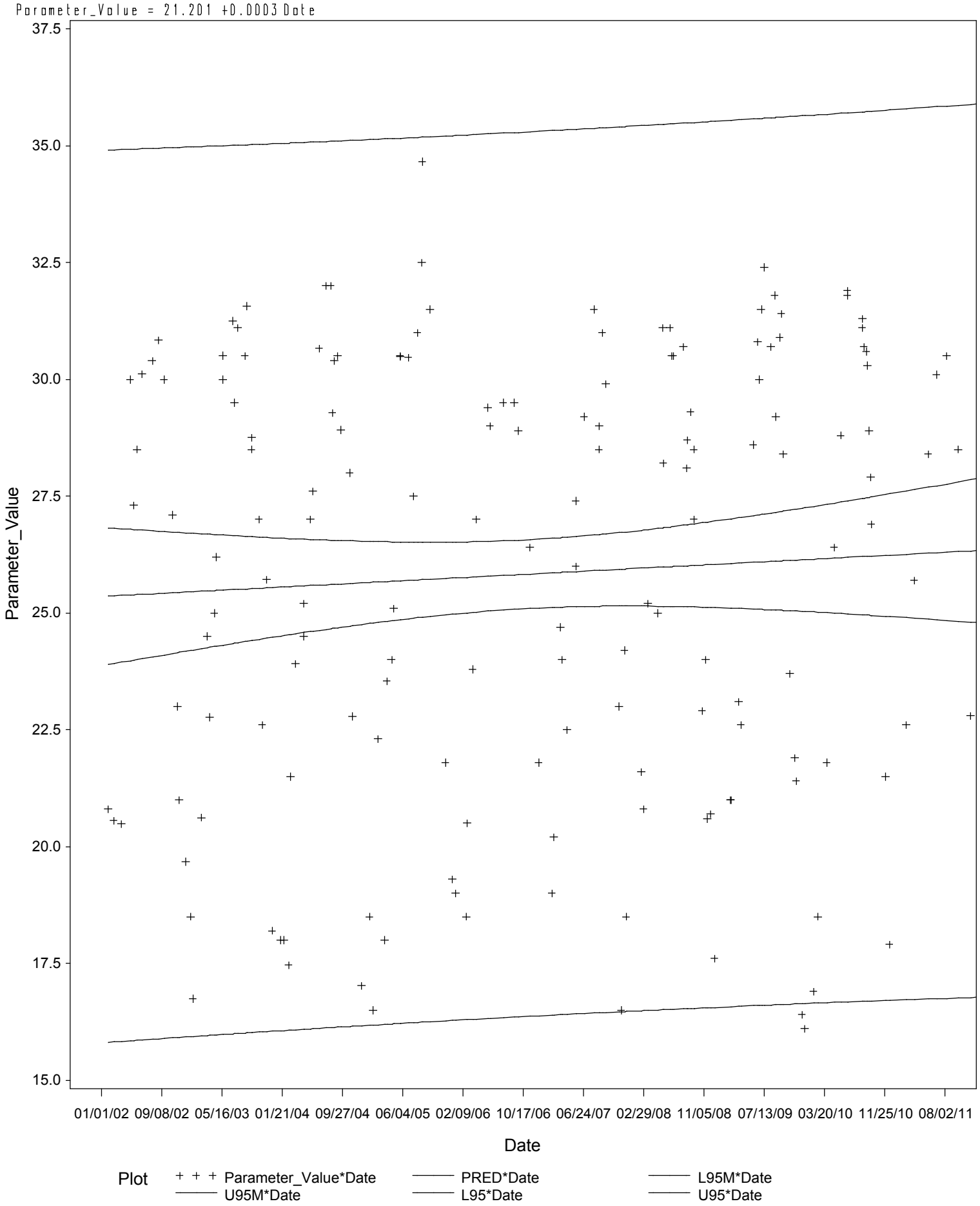
Rio Grande Below Falcon Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=10249



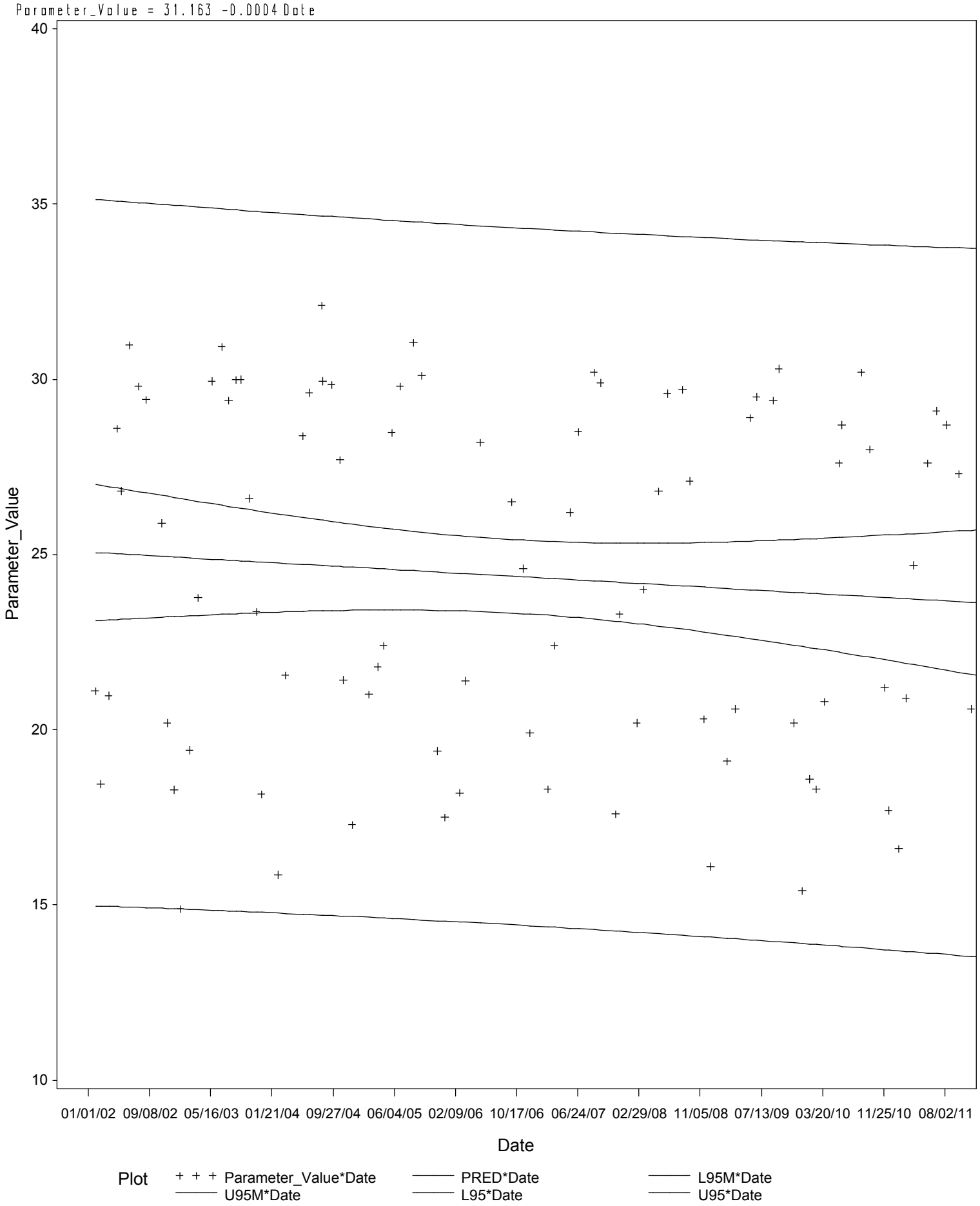
Rio Grande Below Falcon Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13177



Rio Grande Below Falcon Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13181



Rio Grande Below Falcon Reservoir

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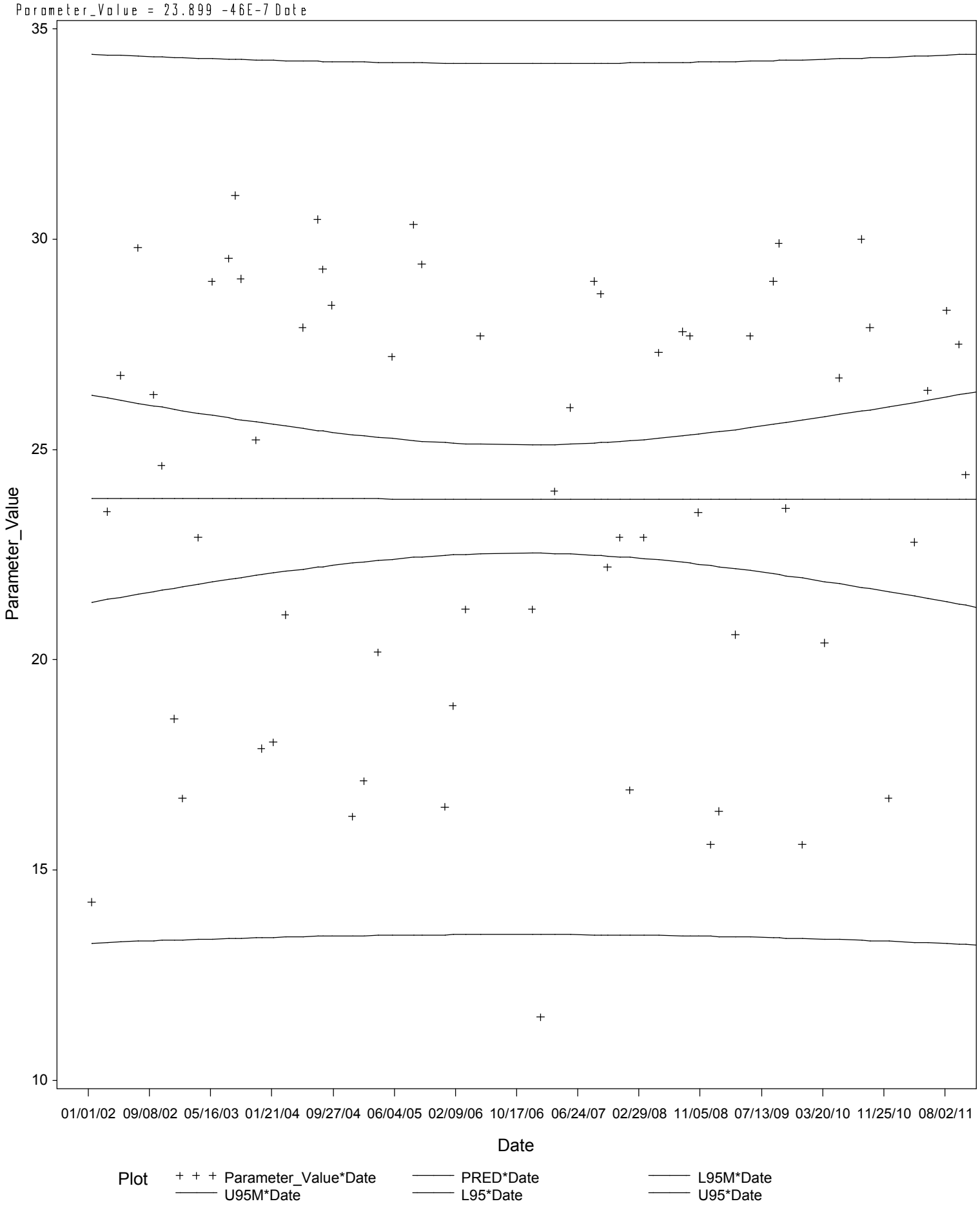
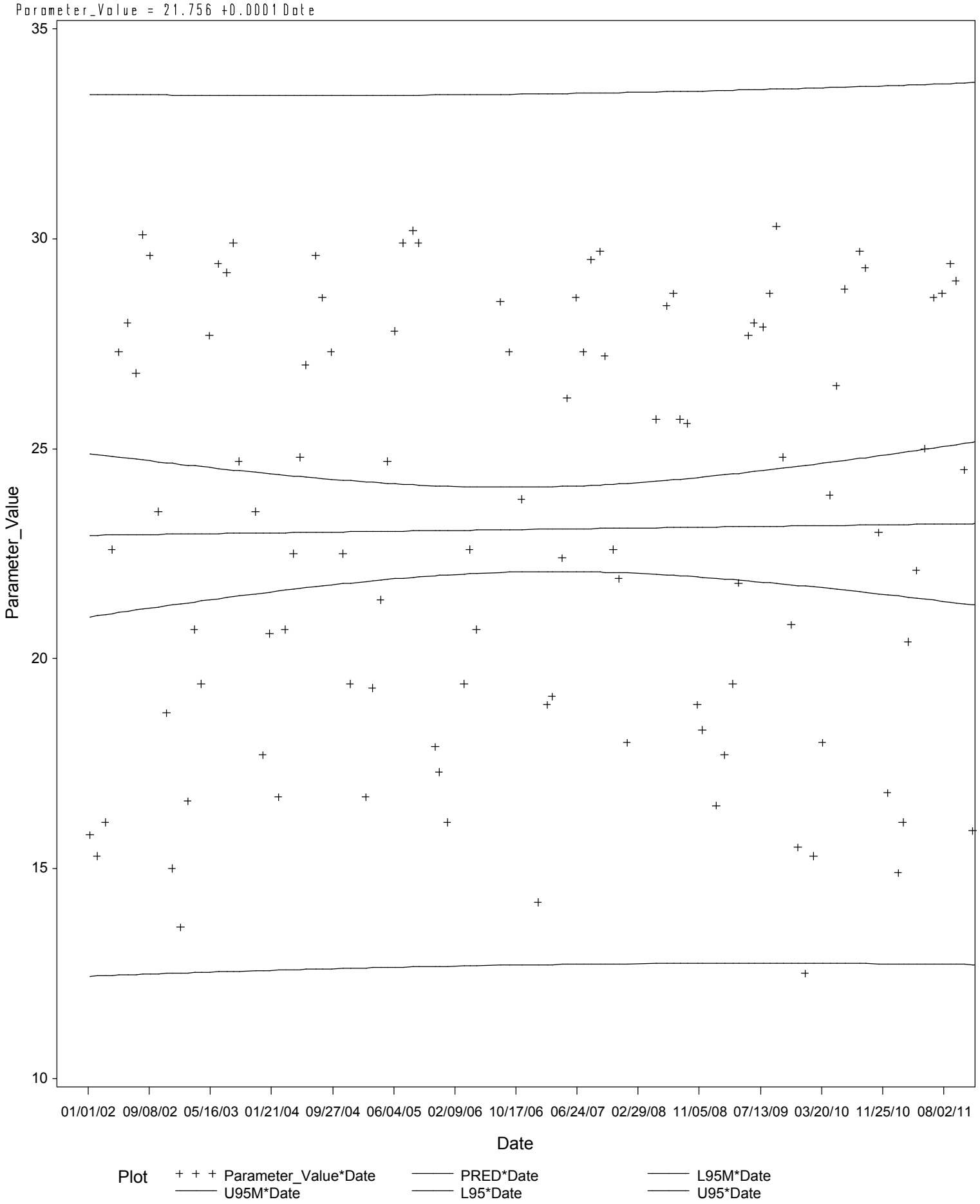


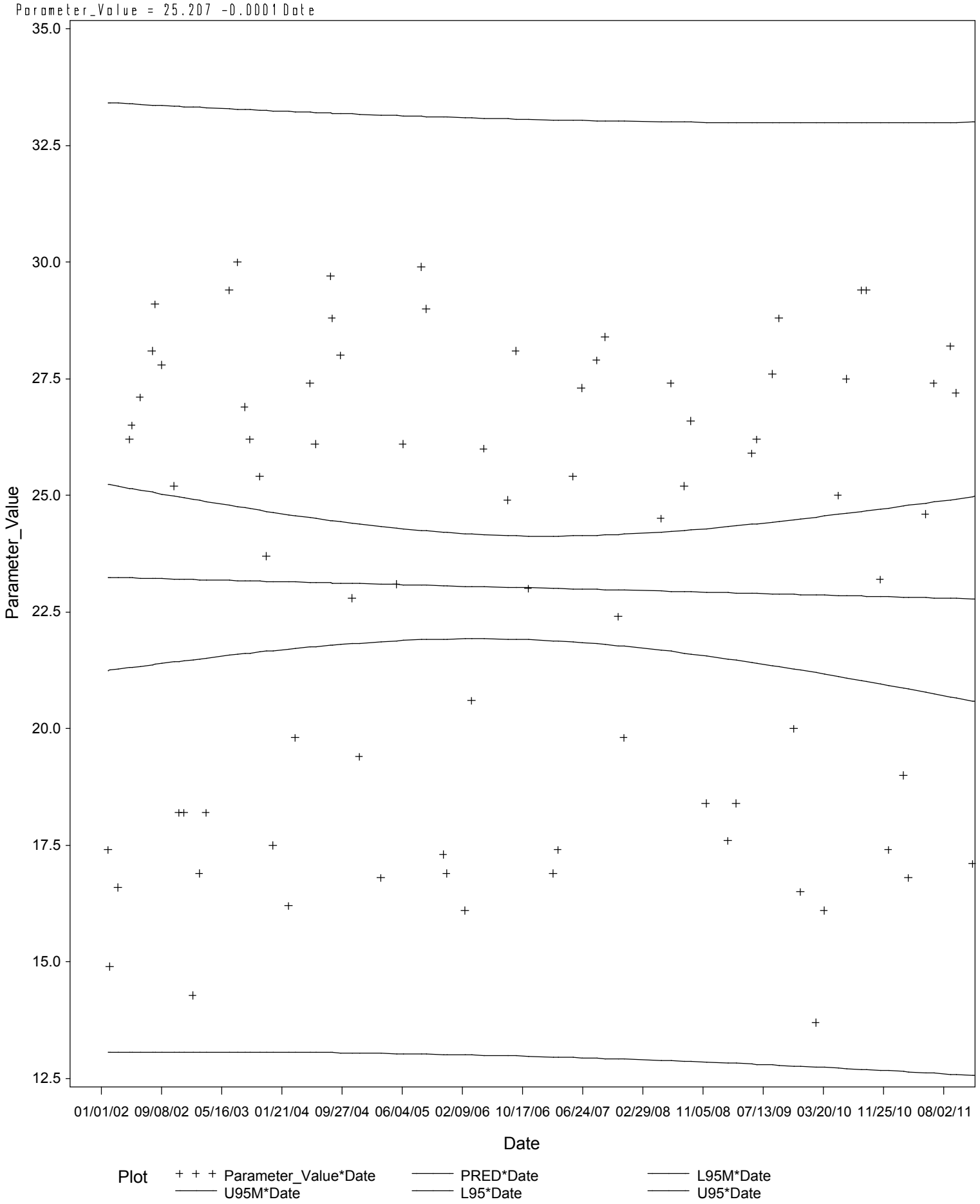
Rio Grande Below Falcon Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13185



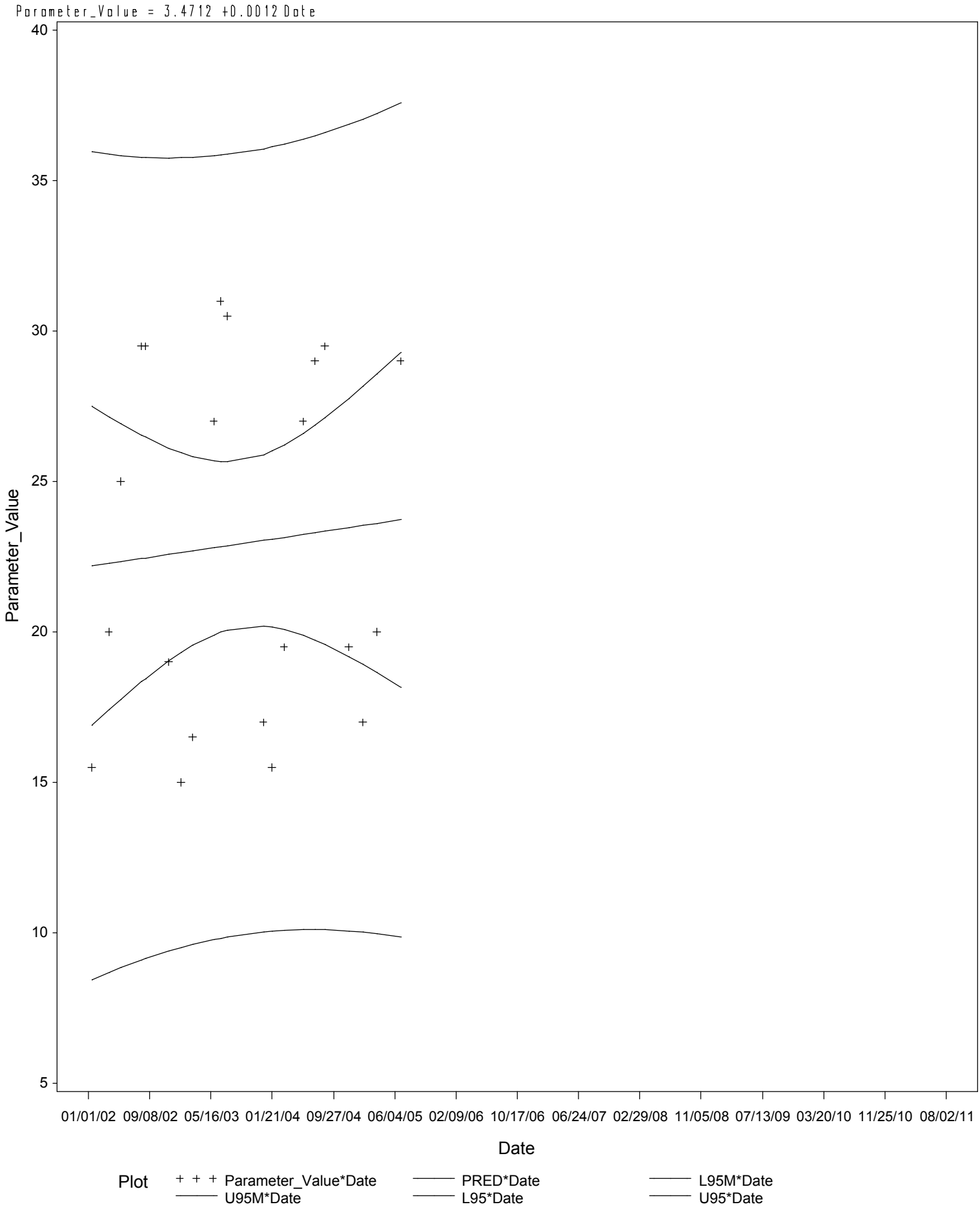
Rio Grande Below Falcon Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13186



Rio Grande Below Falcon Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13188



Rio Grande Below Falcon Reservoir

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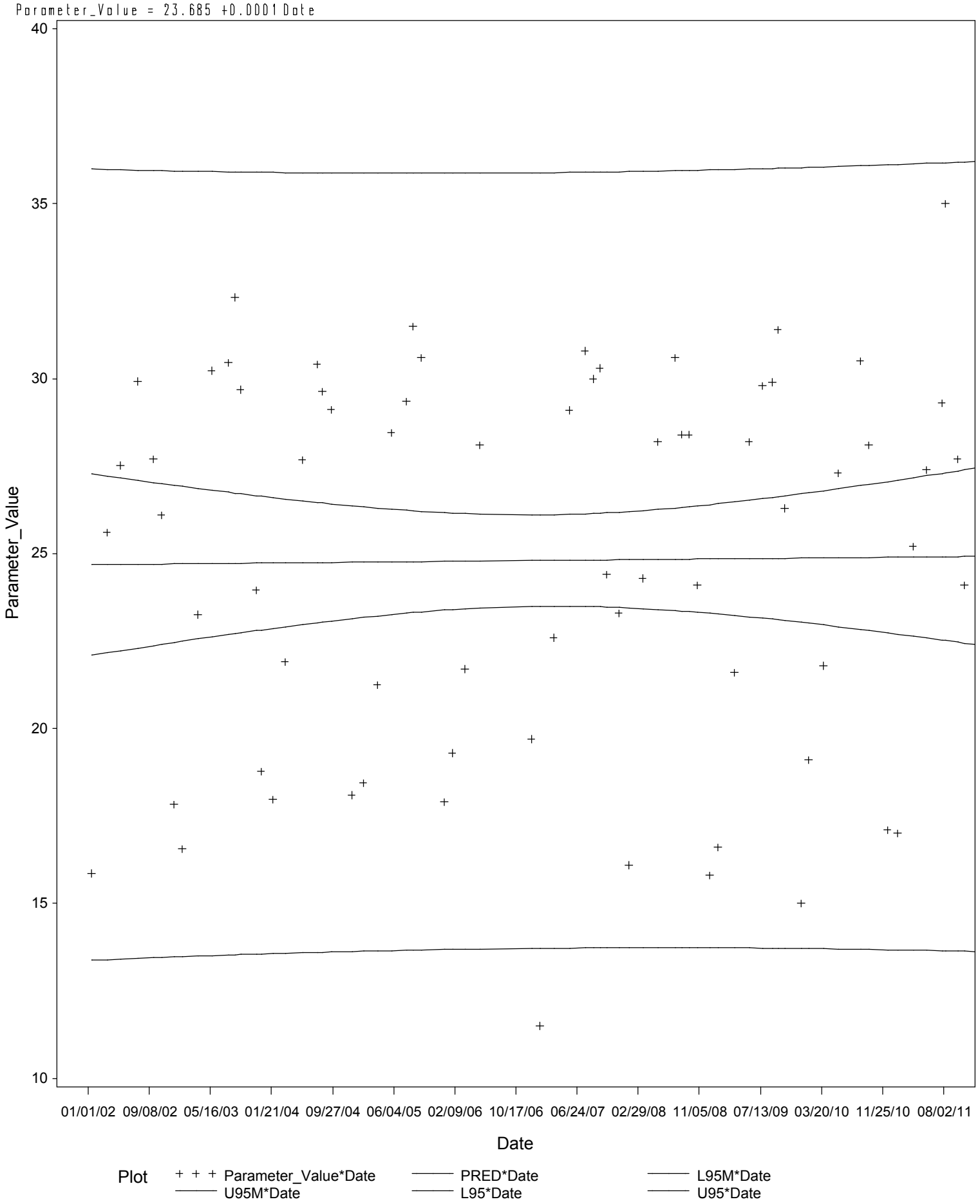
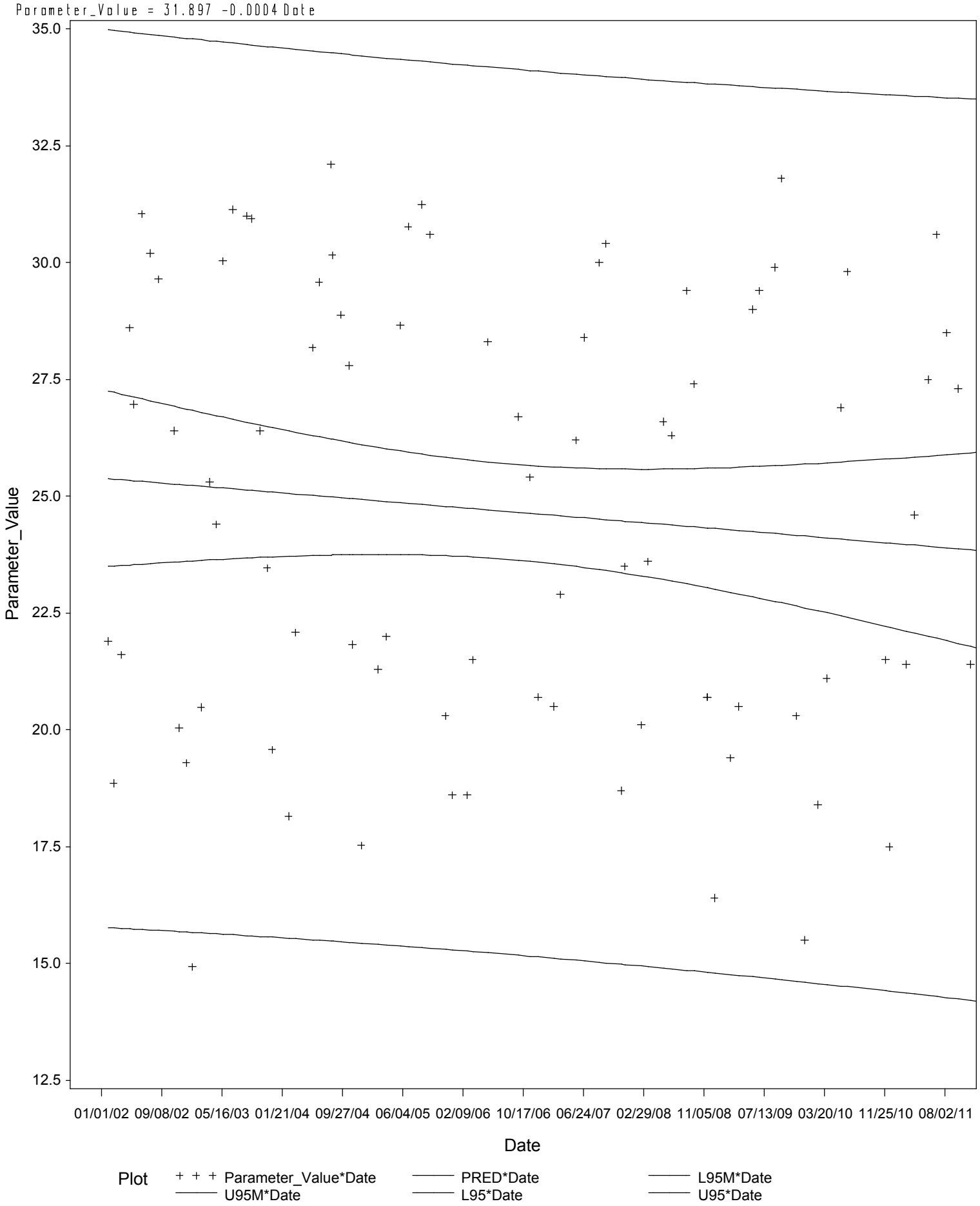


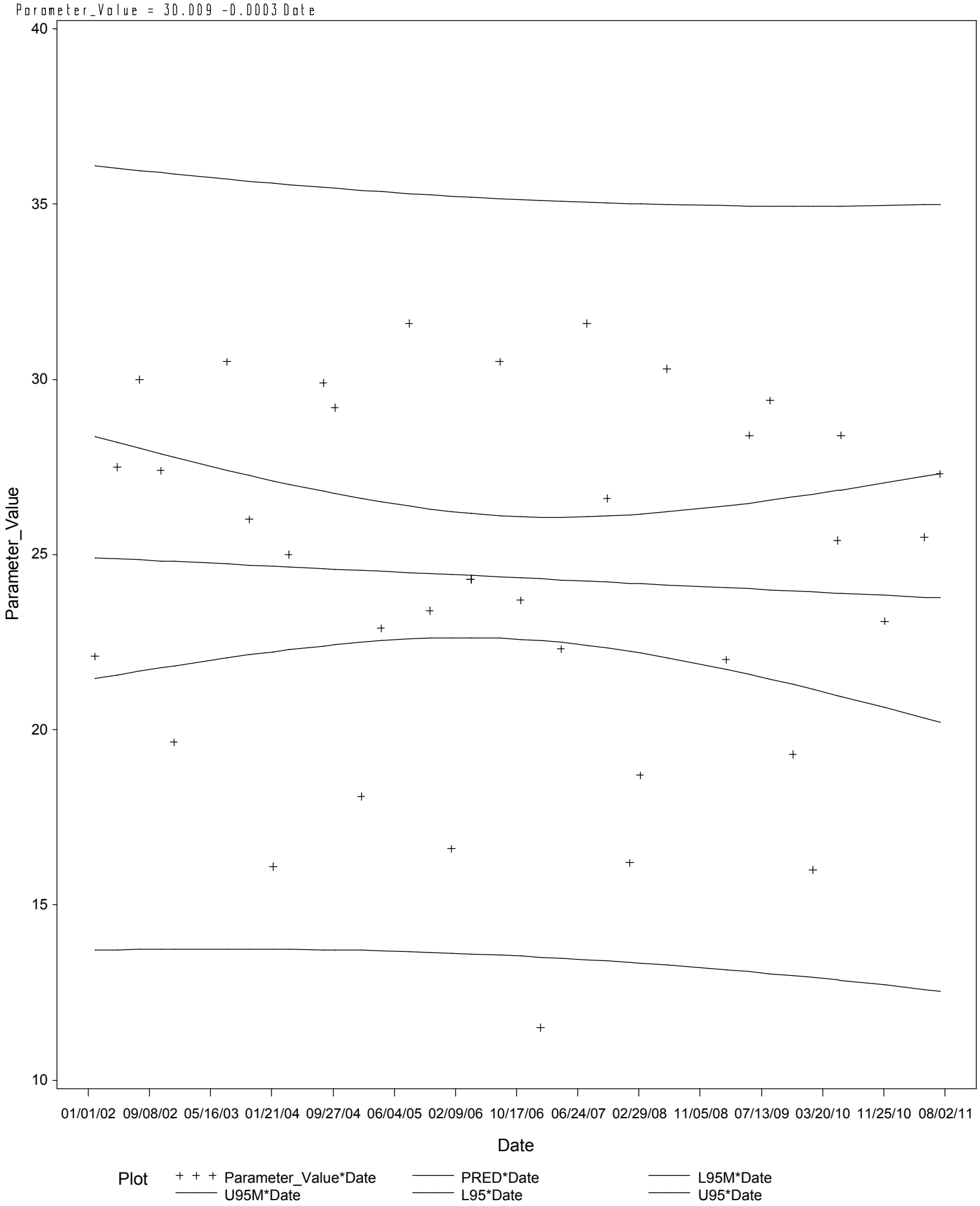
Rio Grande Below Falcon Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=15808



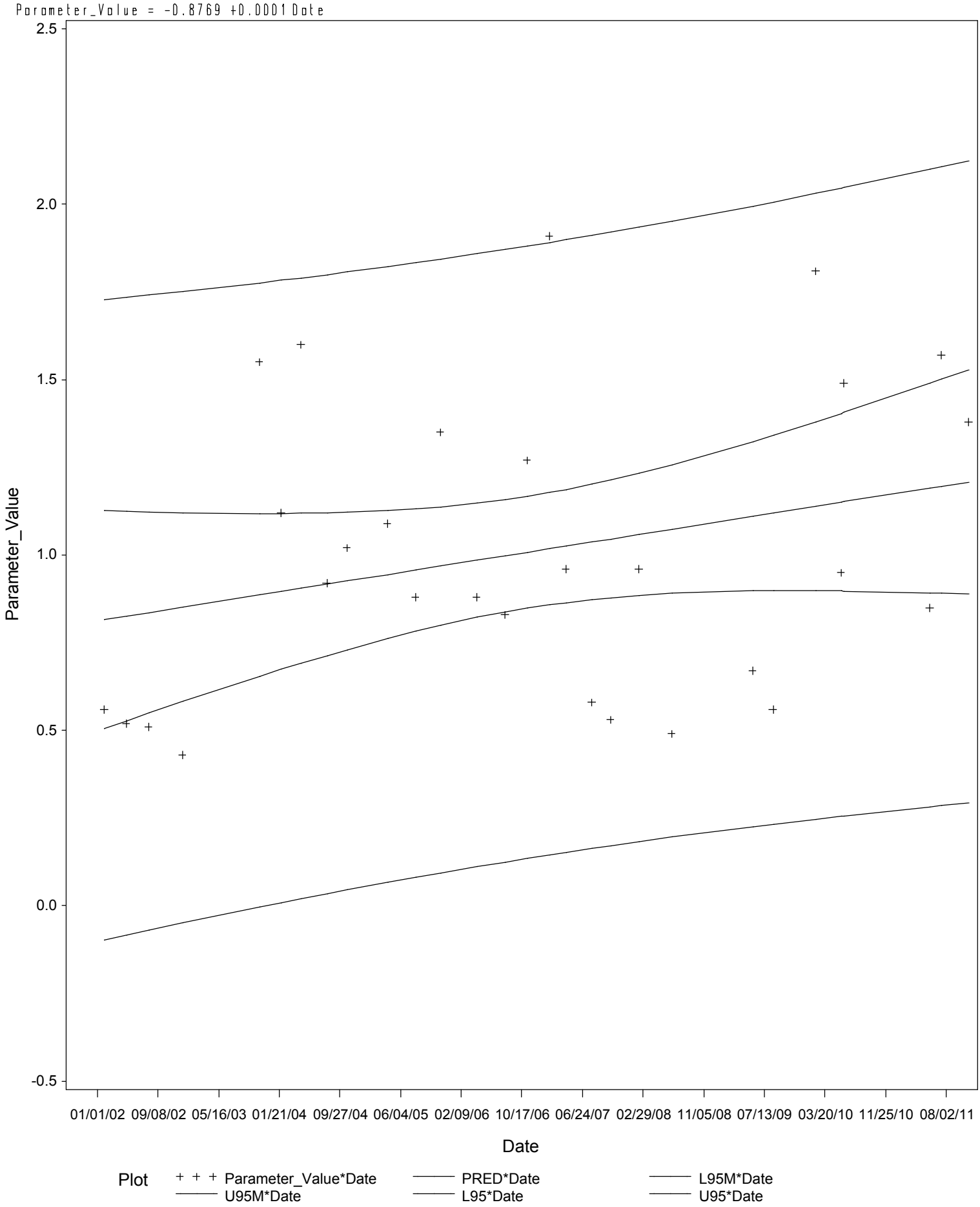
Rio Grande Below Falcon Reservoir

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=17247



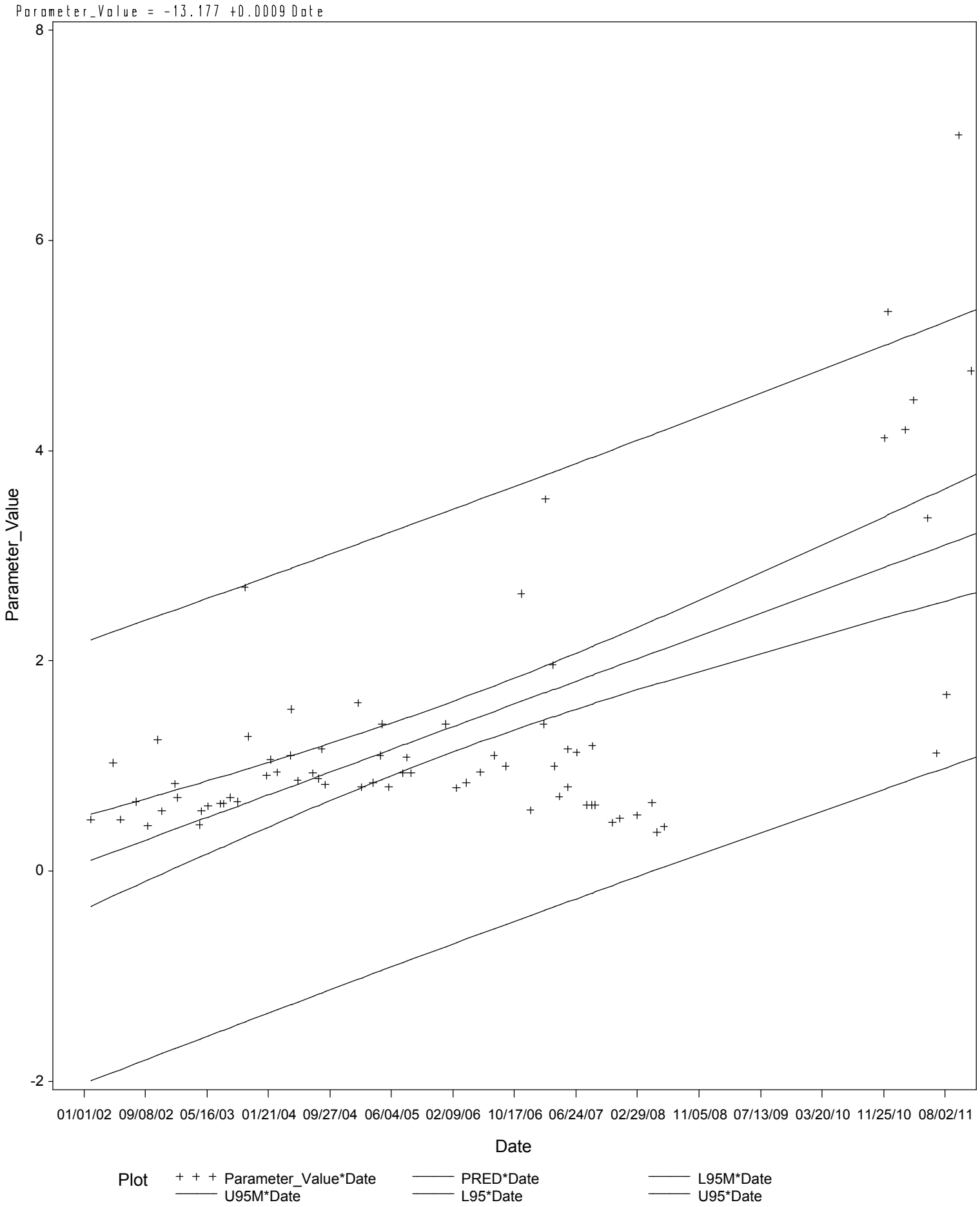
Rio Grande Below Falcon Reservoir

Parameter=TKN (MG/L AS N) Station=10249



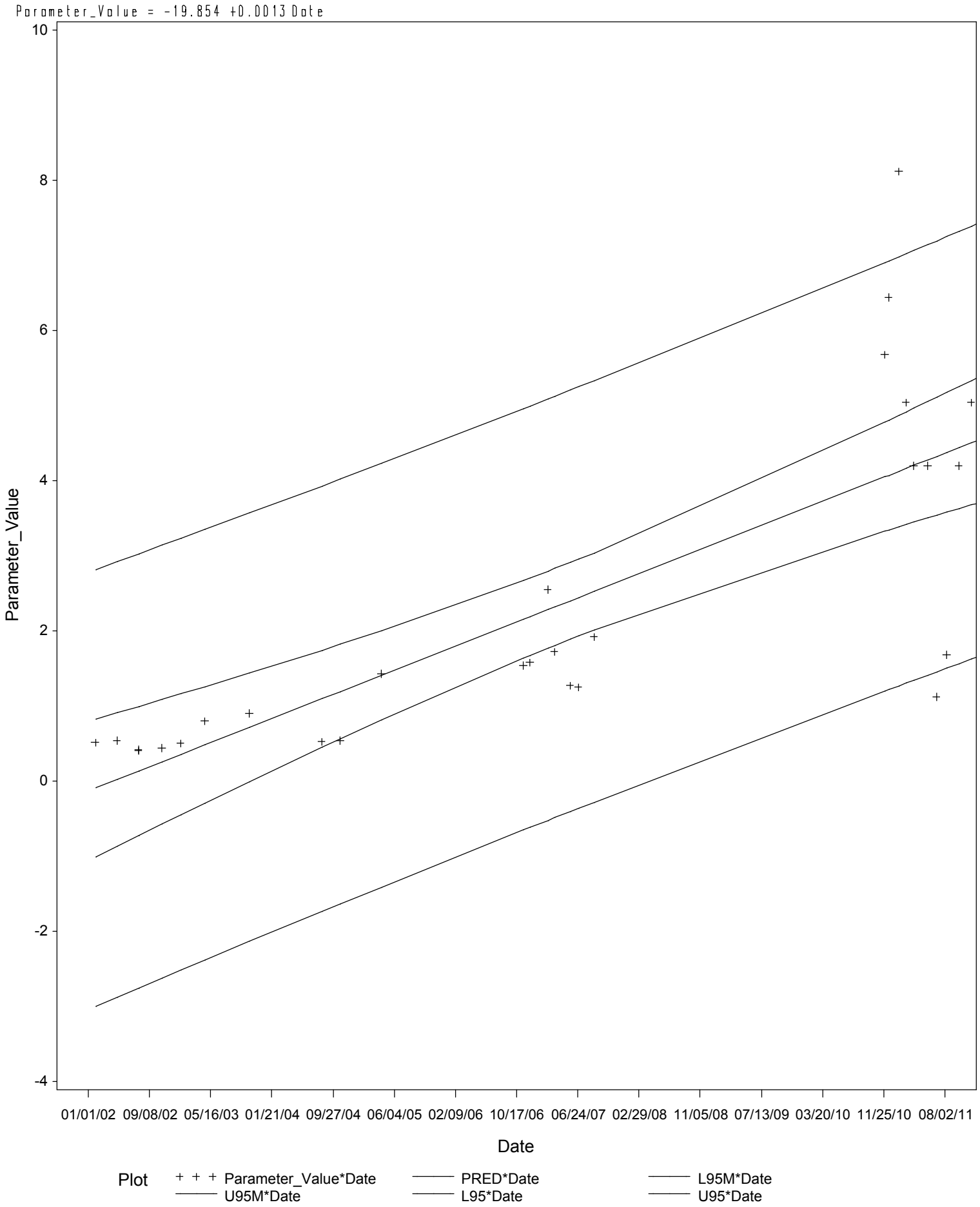
Rio Grande Below Falcon Reservoir

Parameter=TKN (MG/L AS N) Station=13177



Rio Grande Below Falcon Reservoir

Parameter=TKN (MG/L AS N) Station=13181



Rio Grande Below Falcon Reservoir

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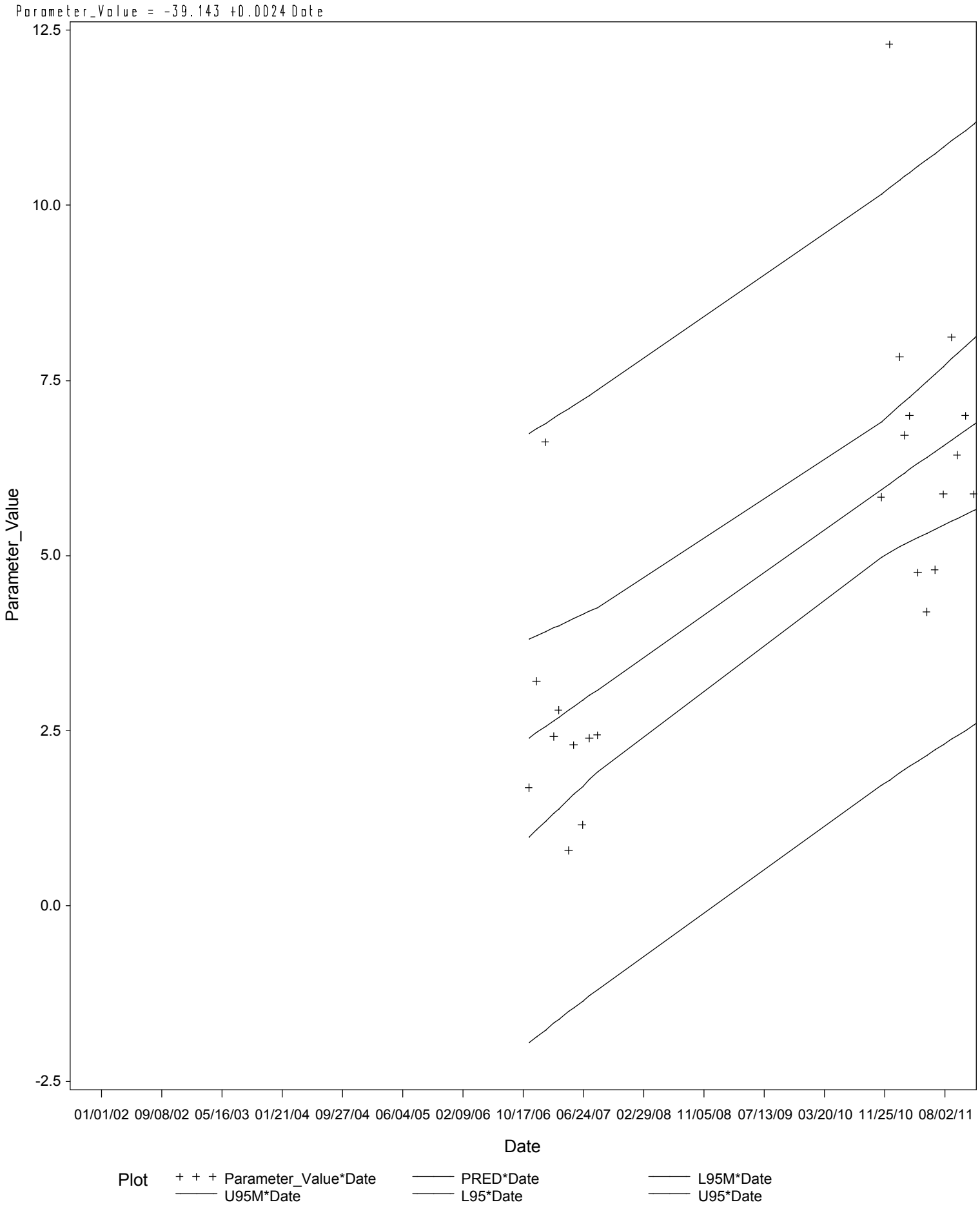

Rio Grande Below Falcon Reservoir

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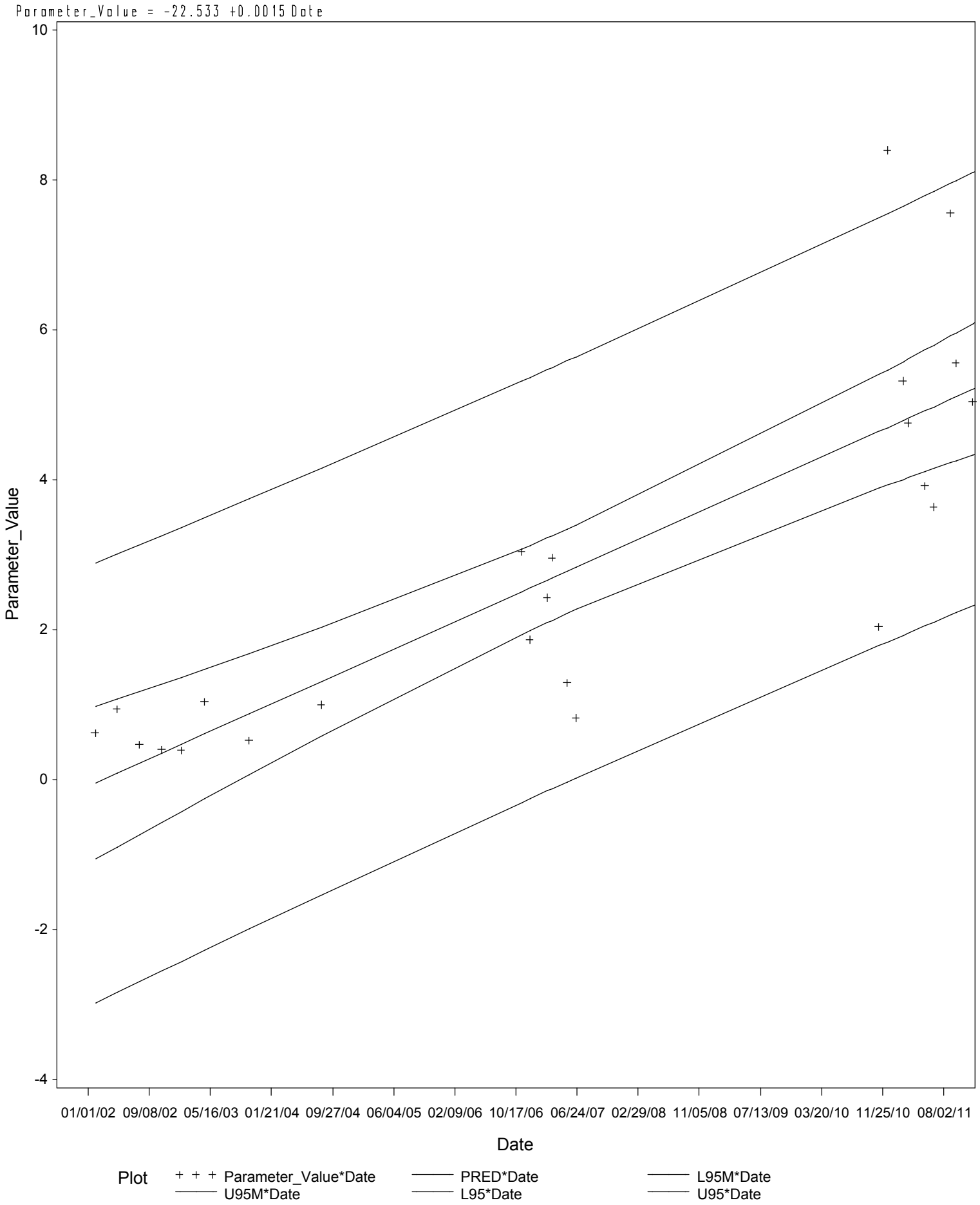
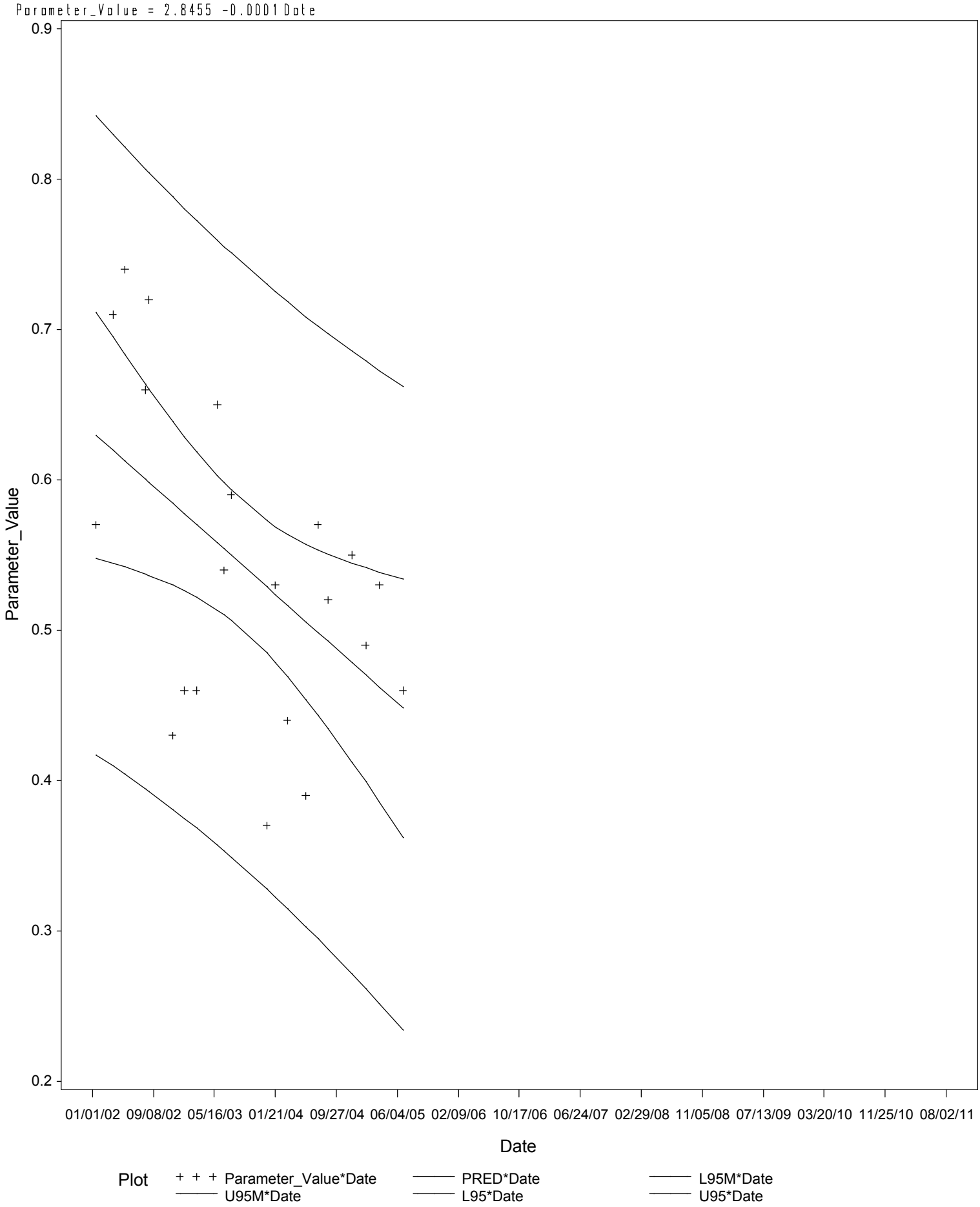


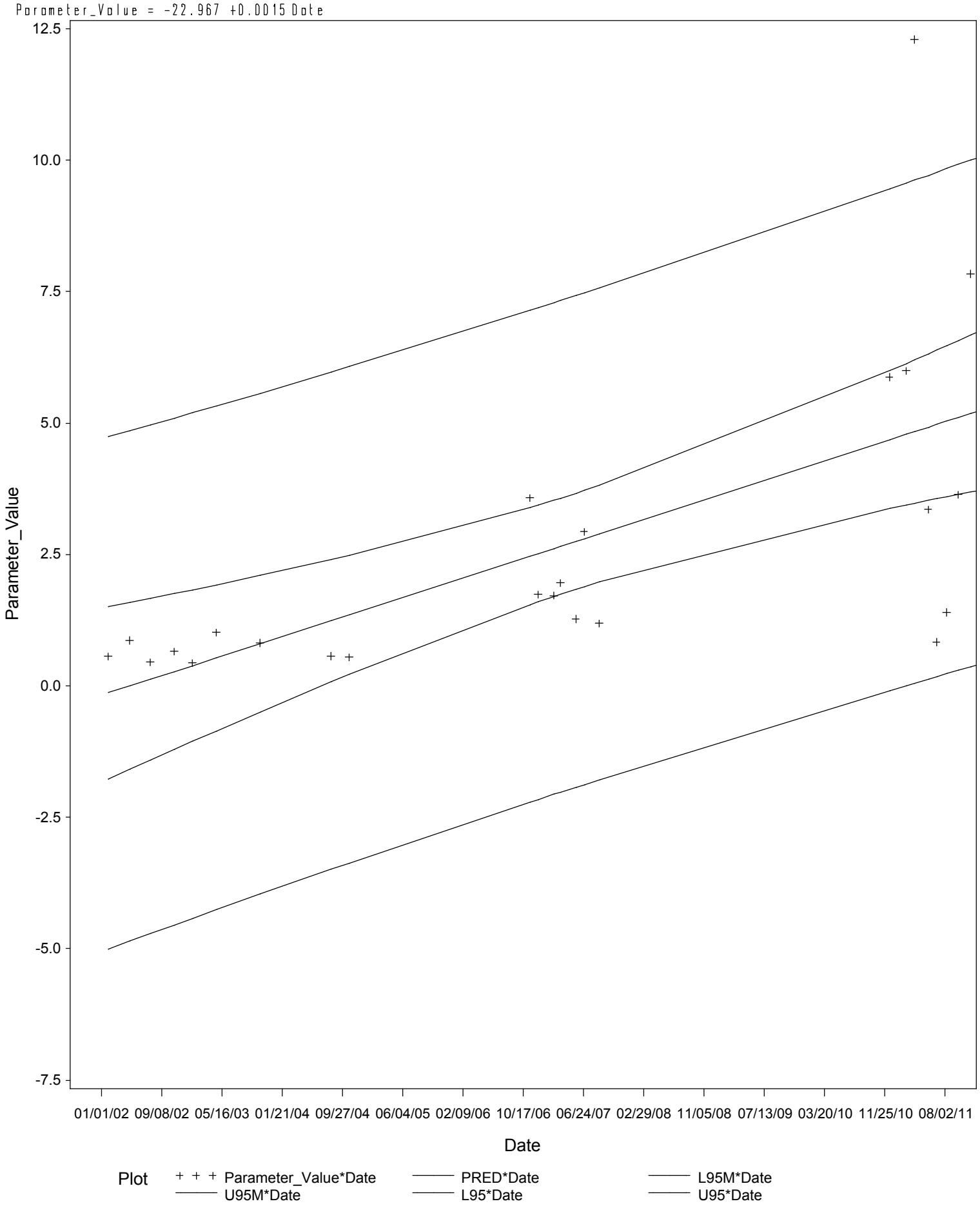
Rio Grande Below Falcon Reservoir

Parameter=TKN (MG/L AS N) Station=13188



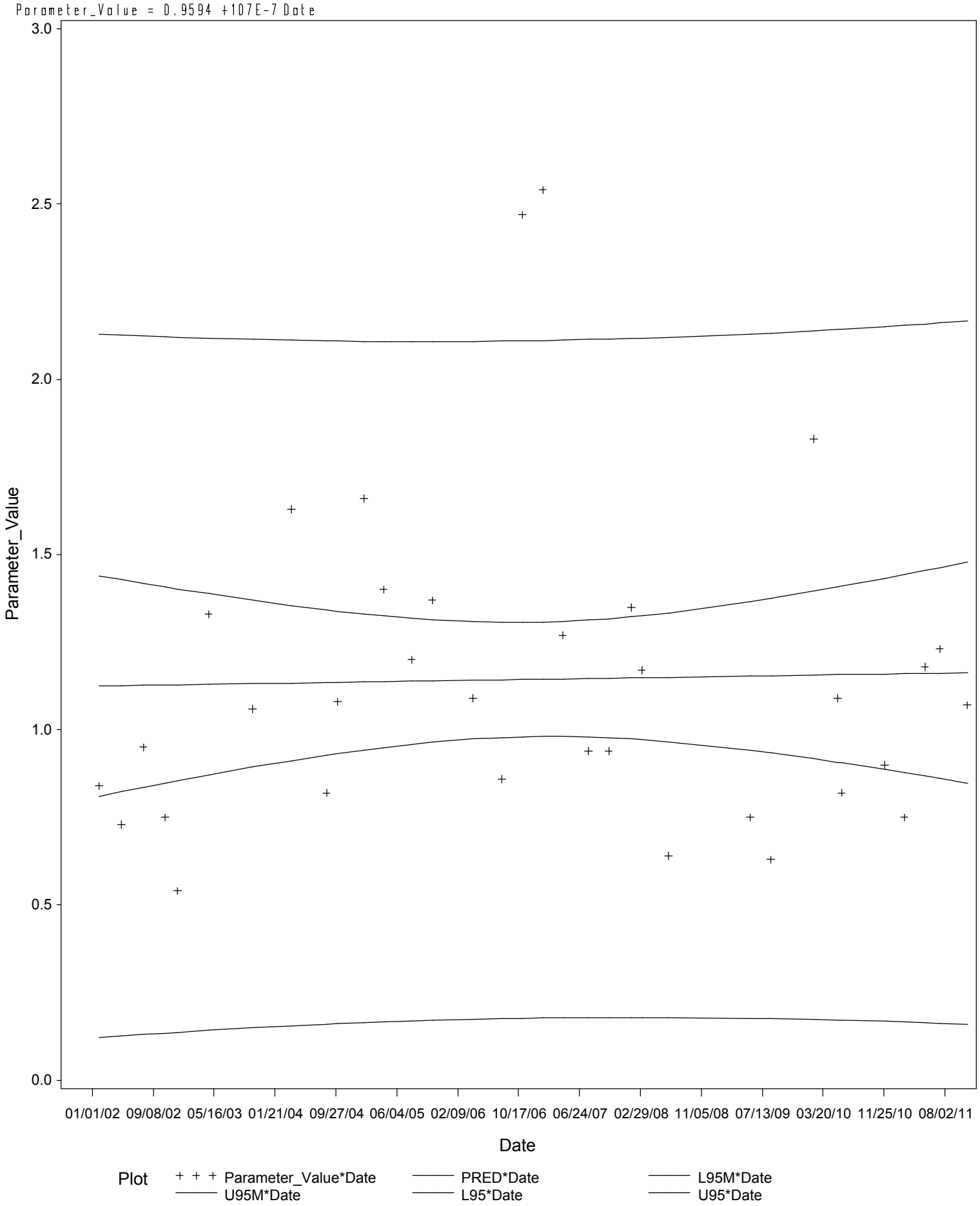
Rio Grande Below Falcon Reservoir

Parameter=TKN (MG/L AS N) Station=15808



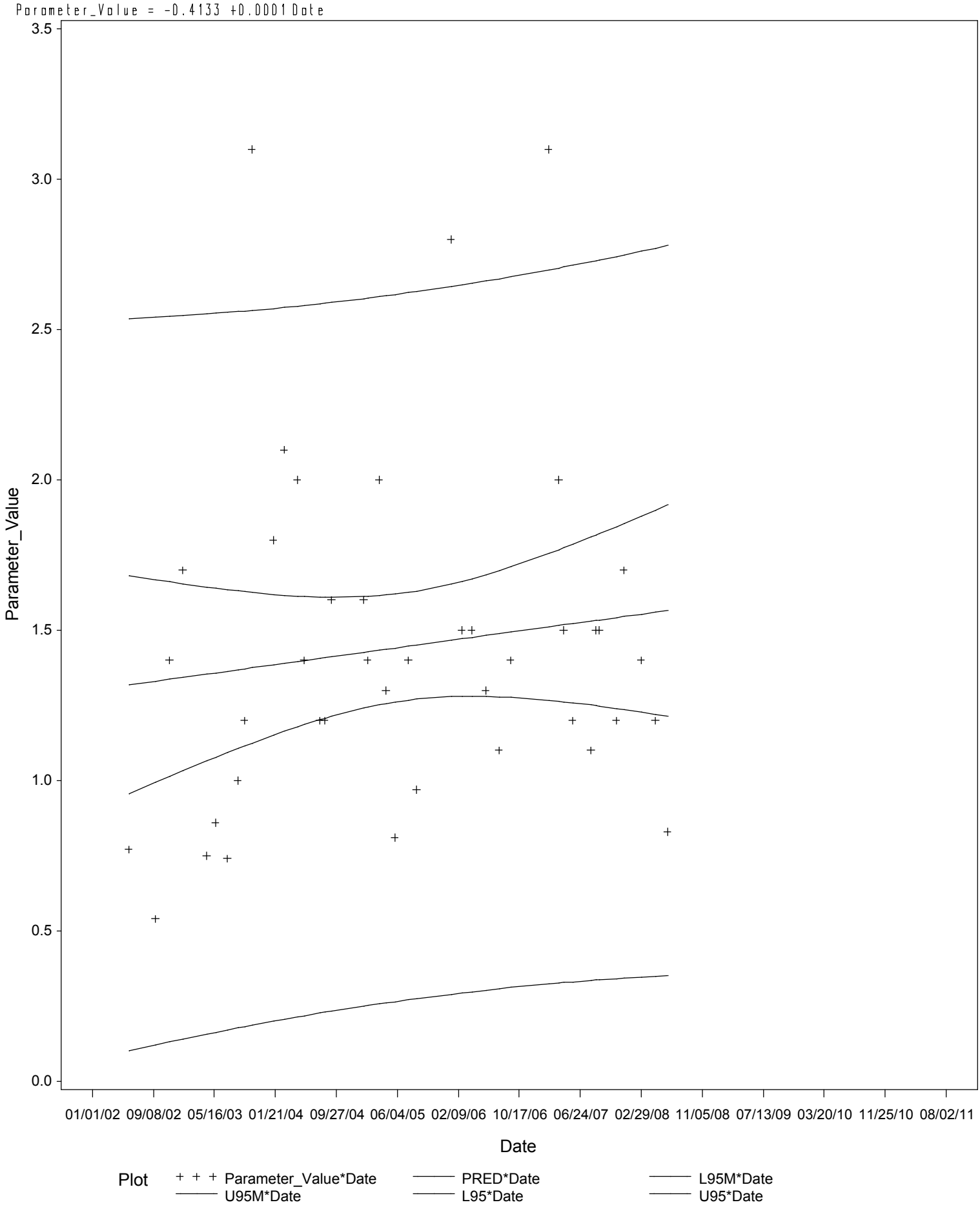
Rio Grande Below Falcon Reservoir

Parameter=TKN (MG/L AS N) Station=17247



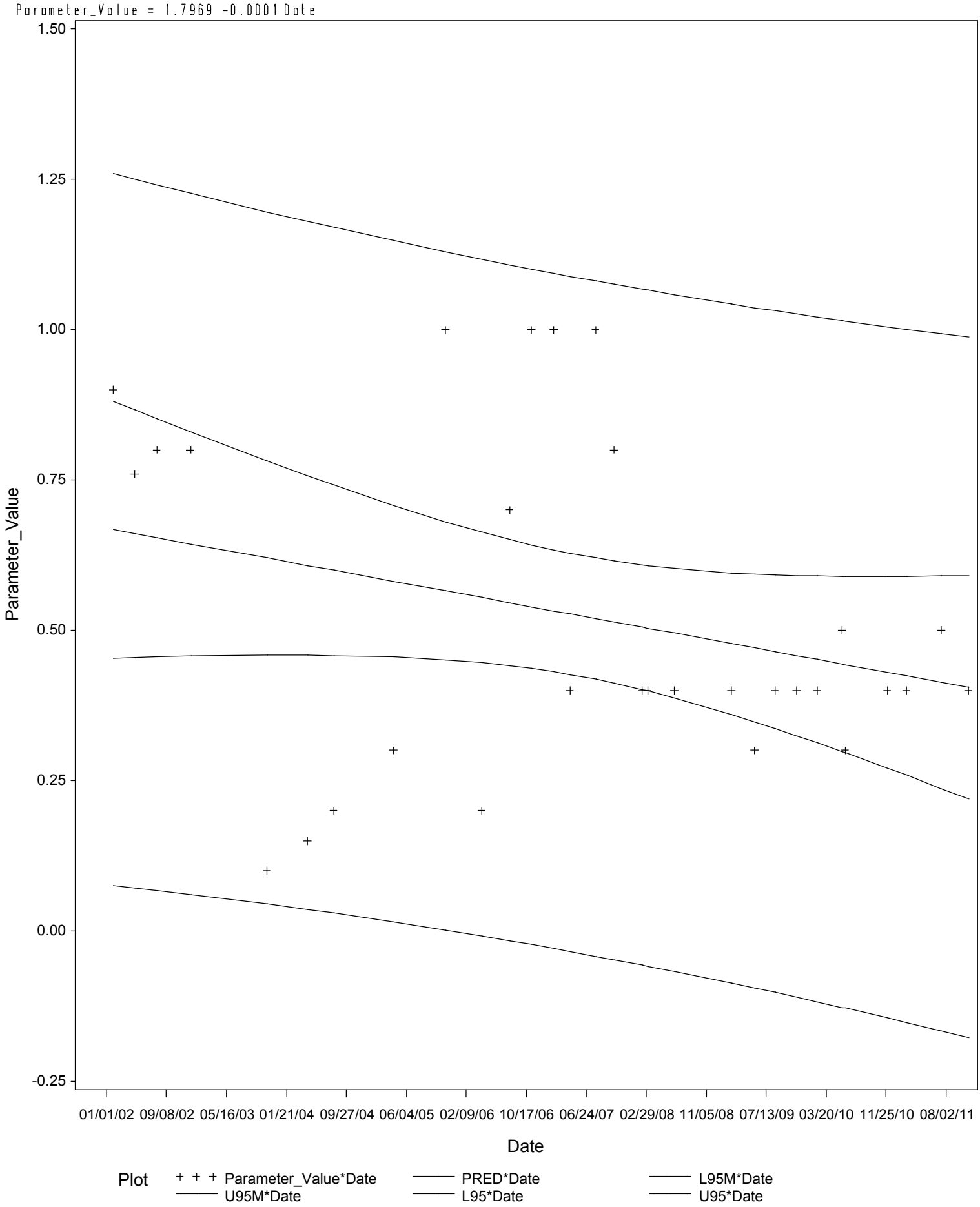
Rio Grande Below Falcon Reservoir

Parameter=TOTAL NITROGEN (MG/L AS N) Station=13177



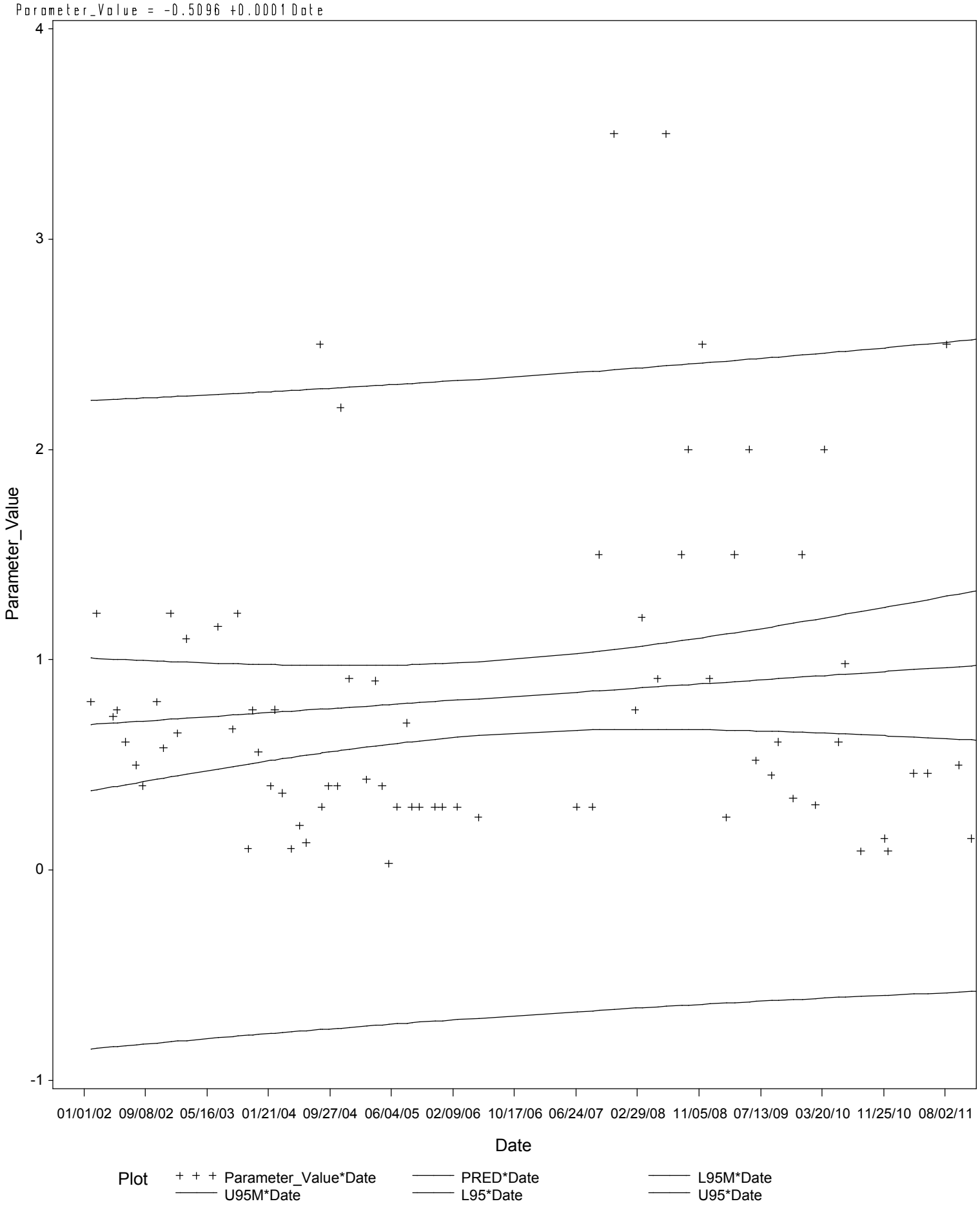
Rio Grande Below Falcon Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=10249



Rio Grande Below Falcon Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13177



Rio Grande Below Falcon Reservoir

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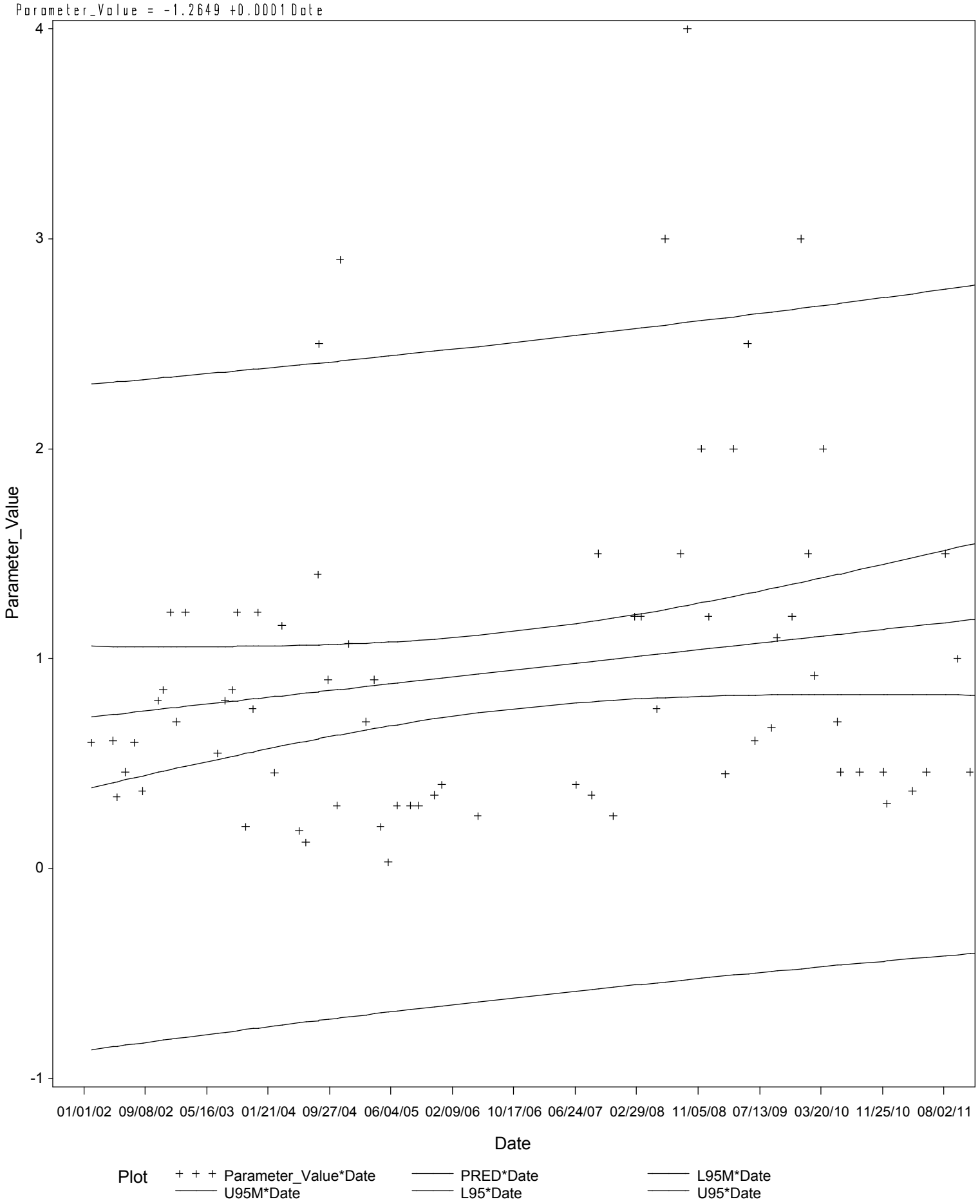

Rio Grande Below Falcon Reservoir

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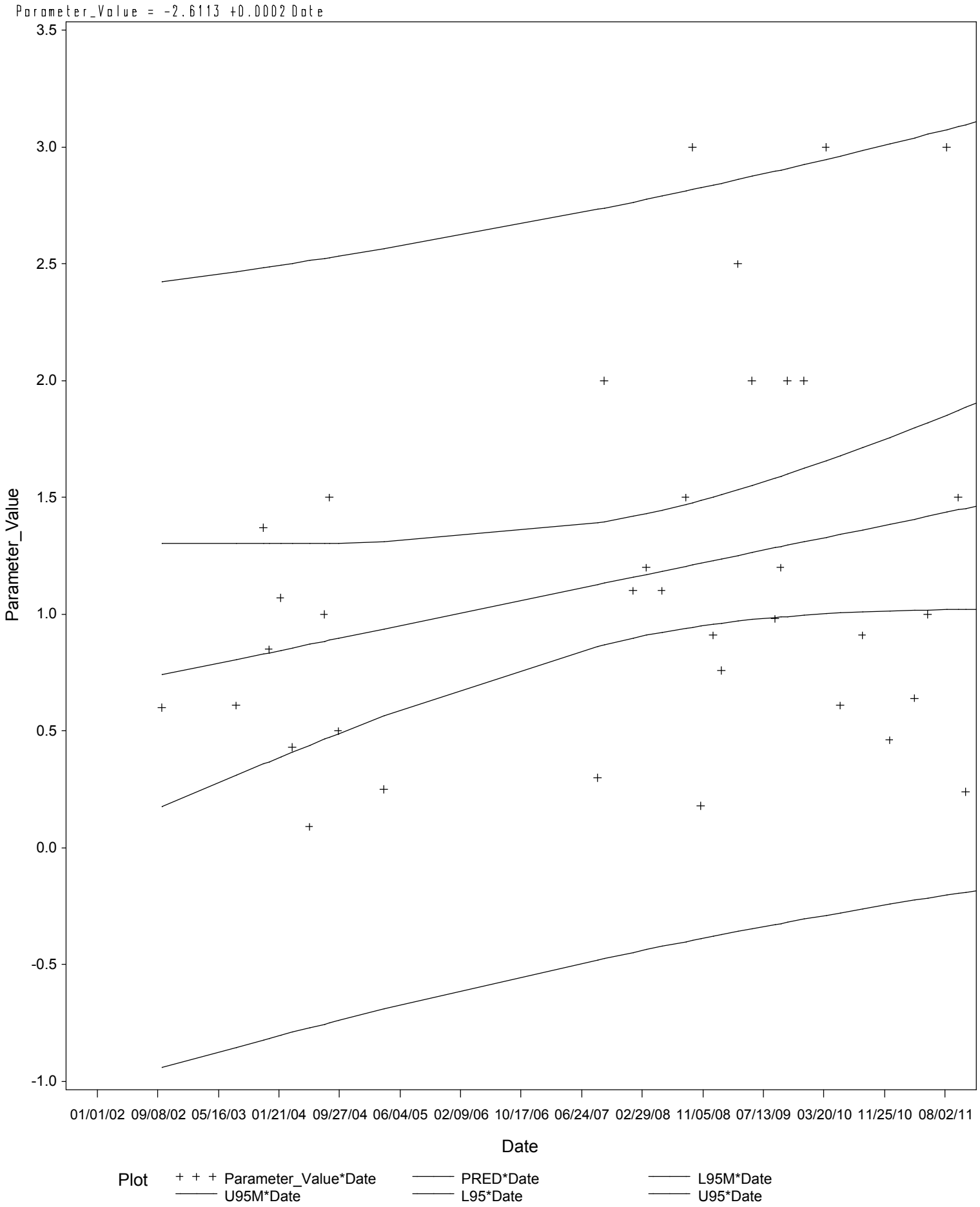
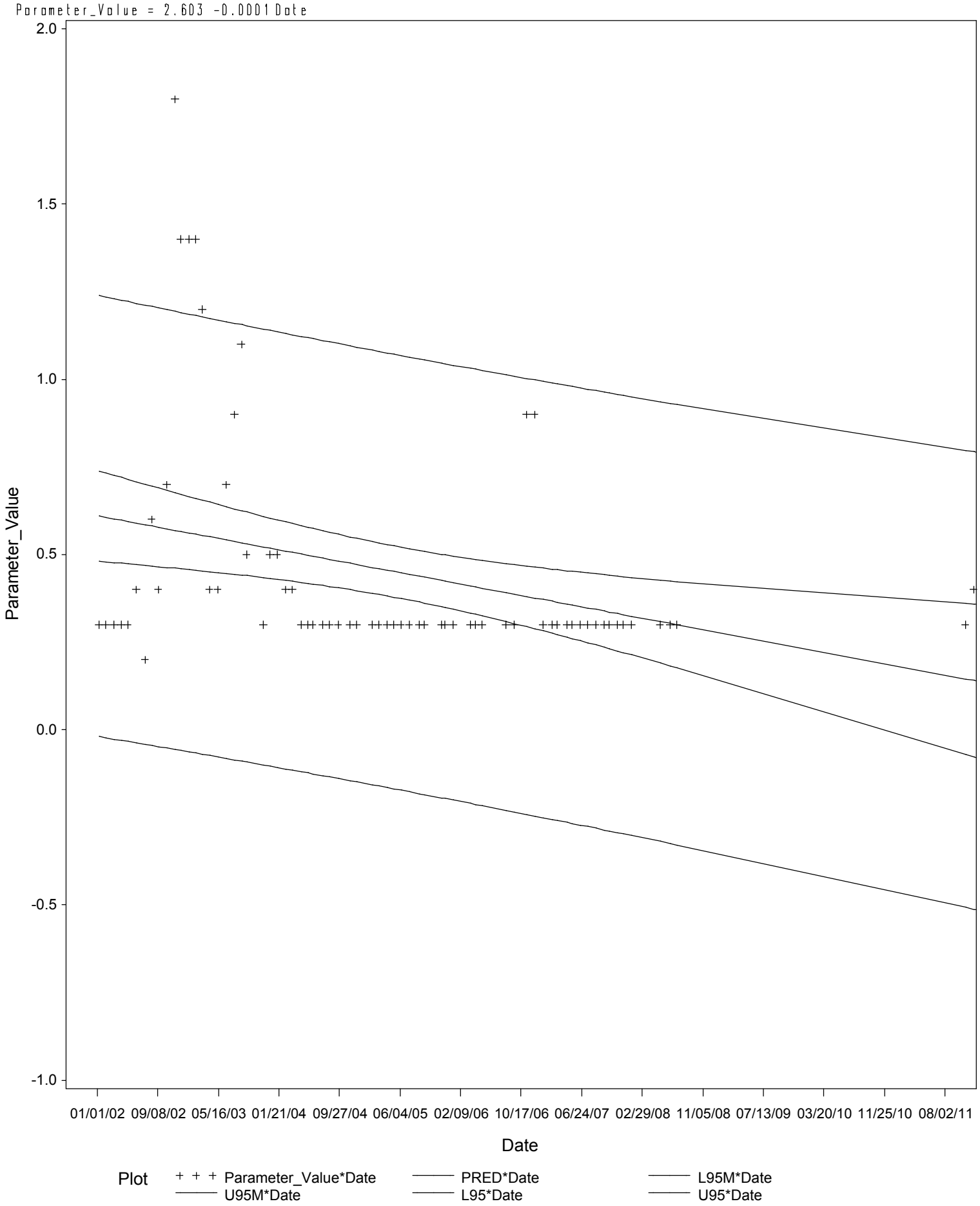


Rio Grande Below Falcon Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=13185



Rio Grande Below Falcon Reservoir

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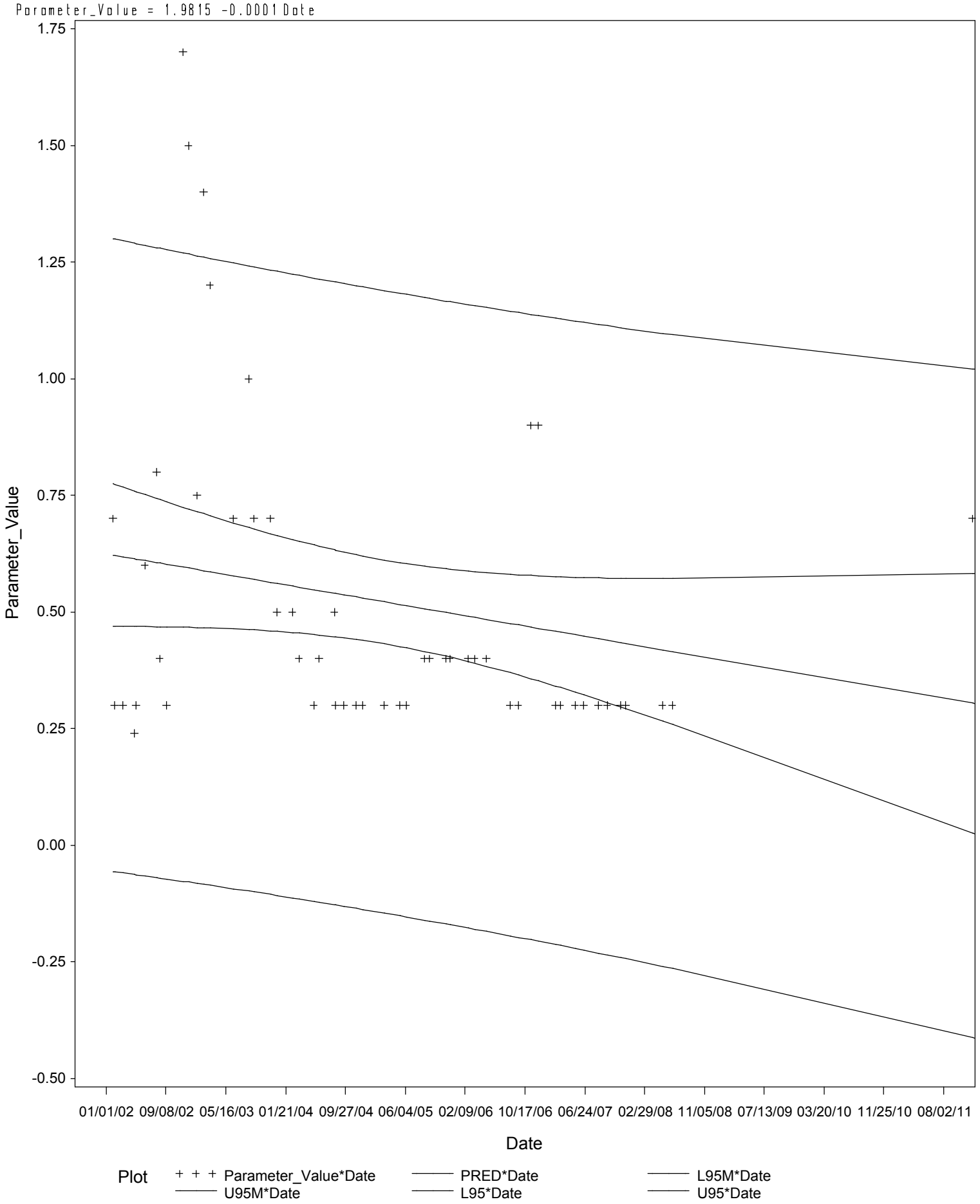

Rio Grande Below Falcon Reservoir

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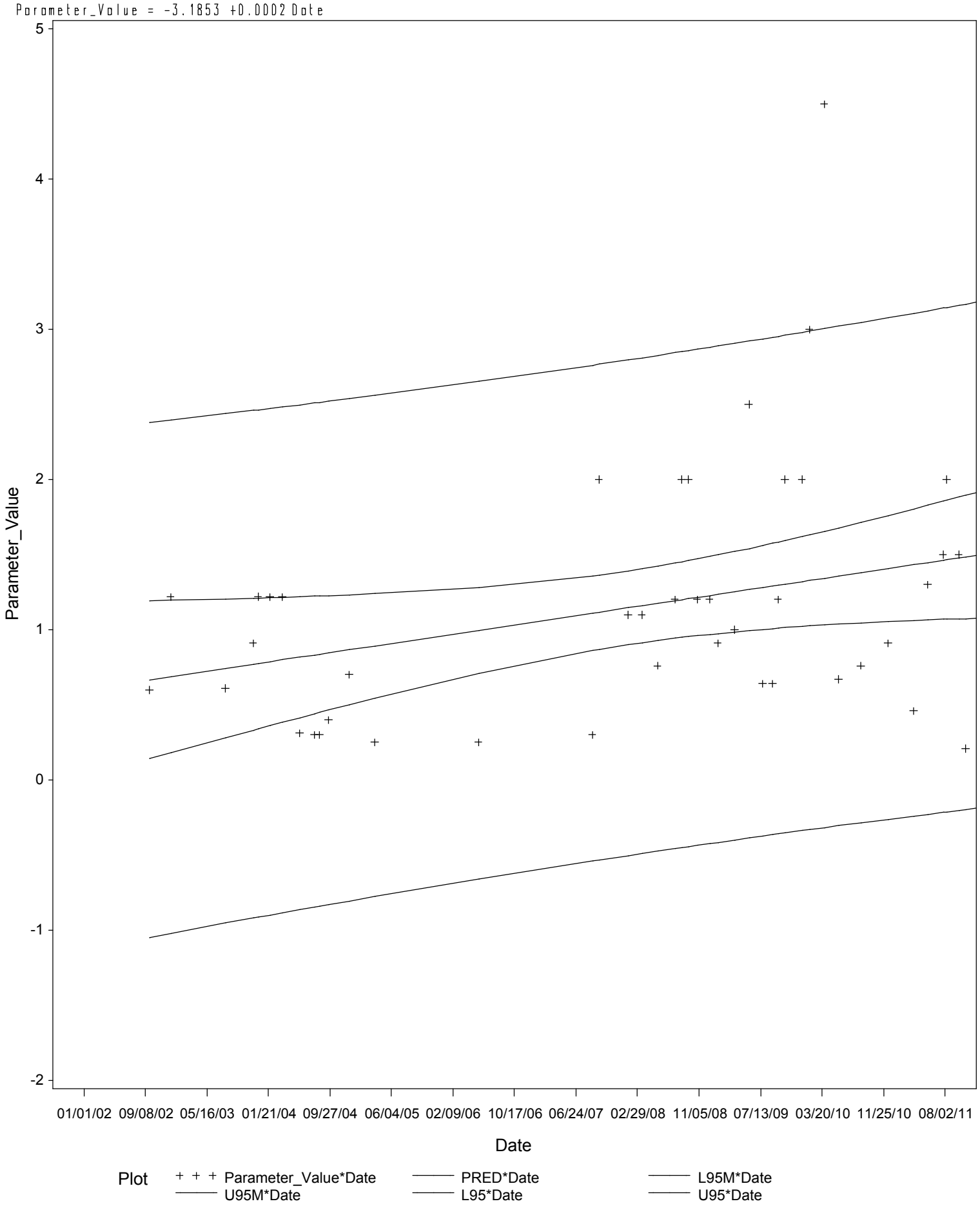

Rio Grande Below Falcon Reservoir

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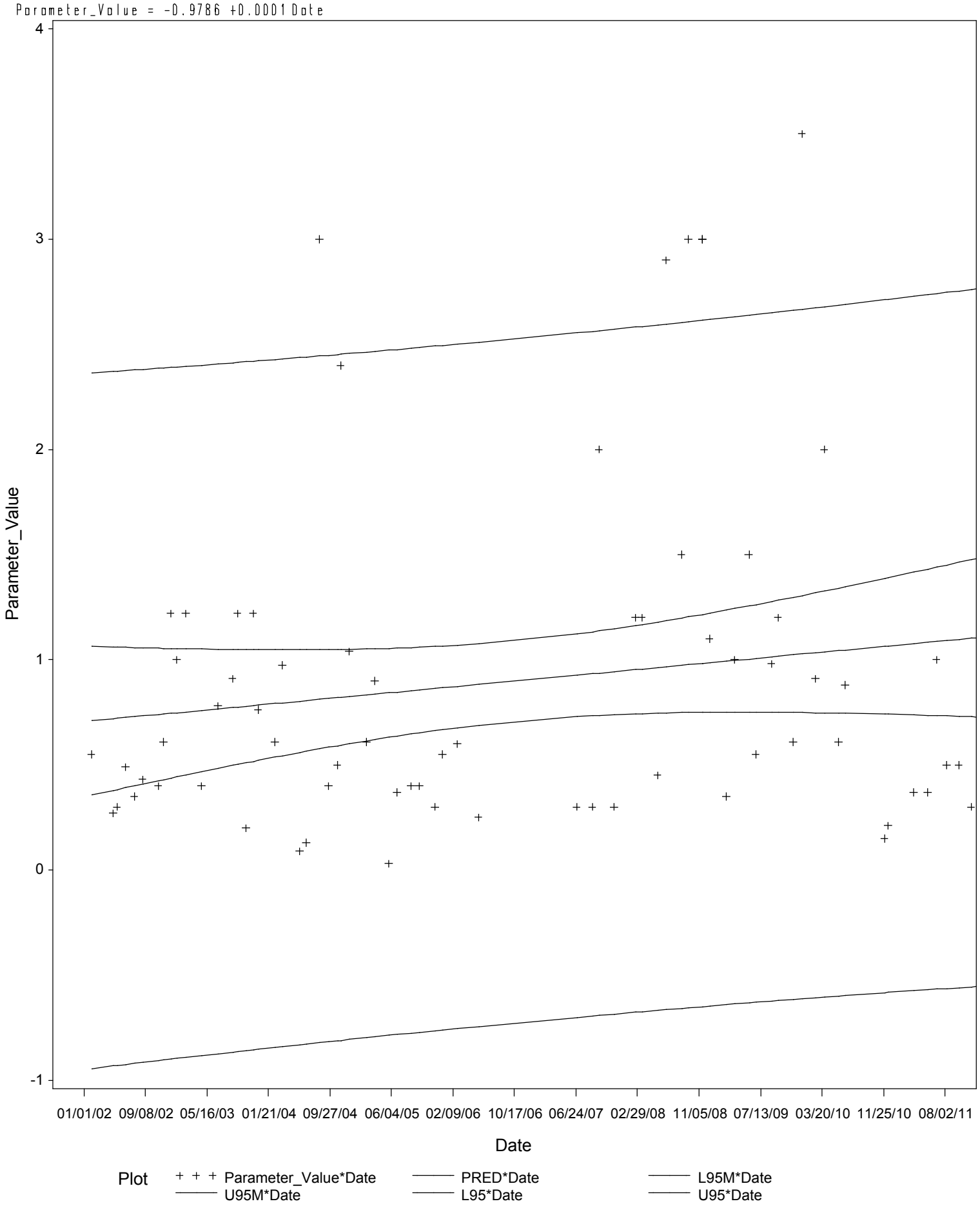
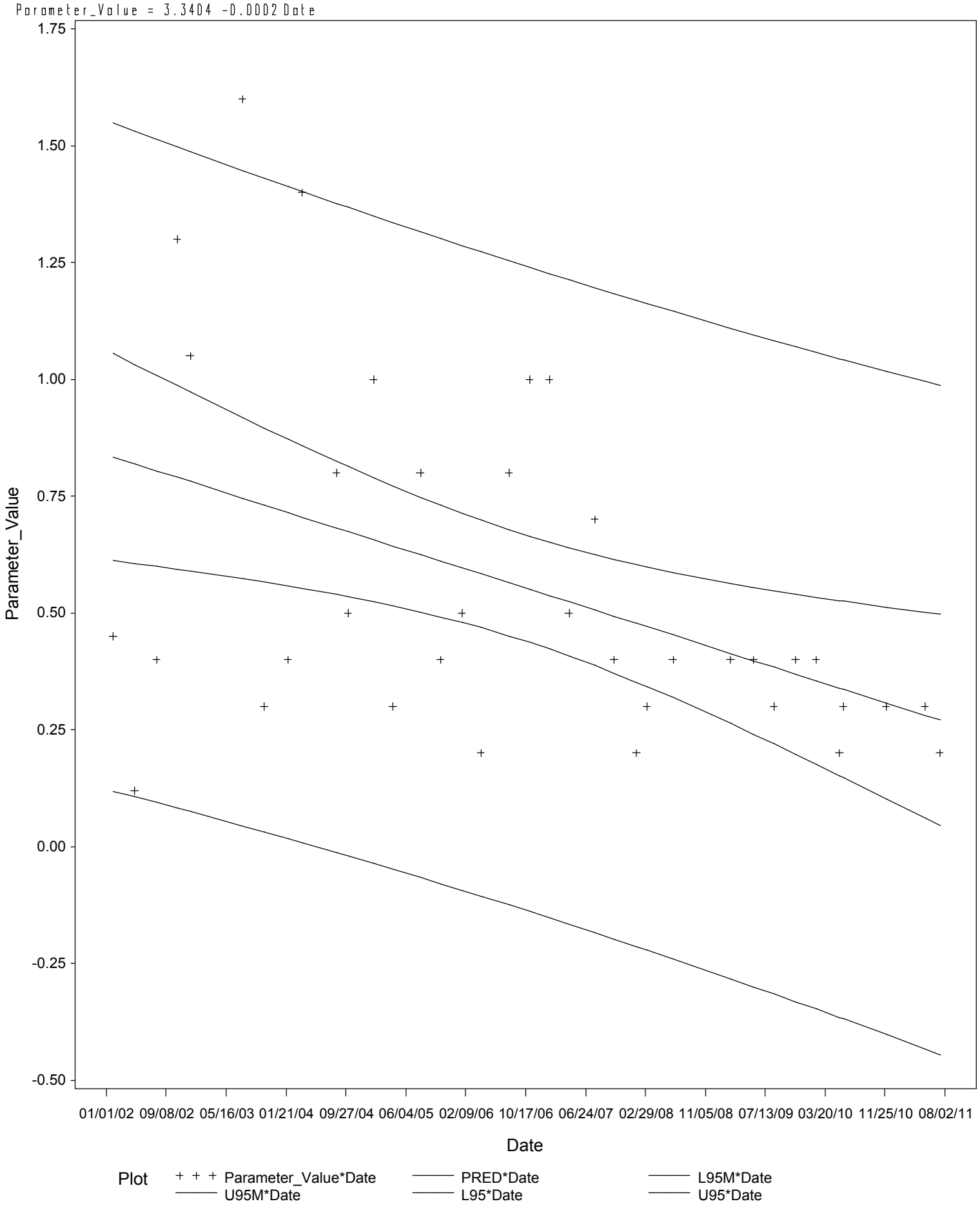
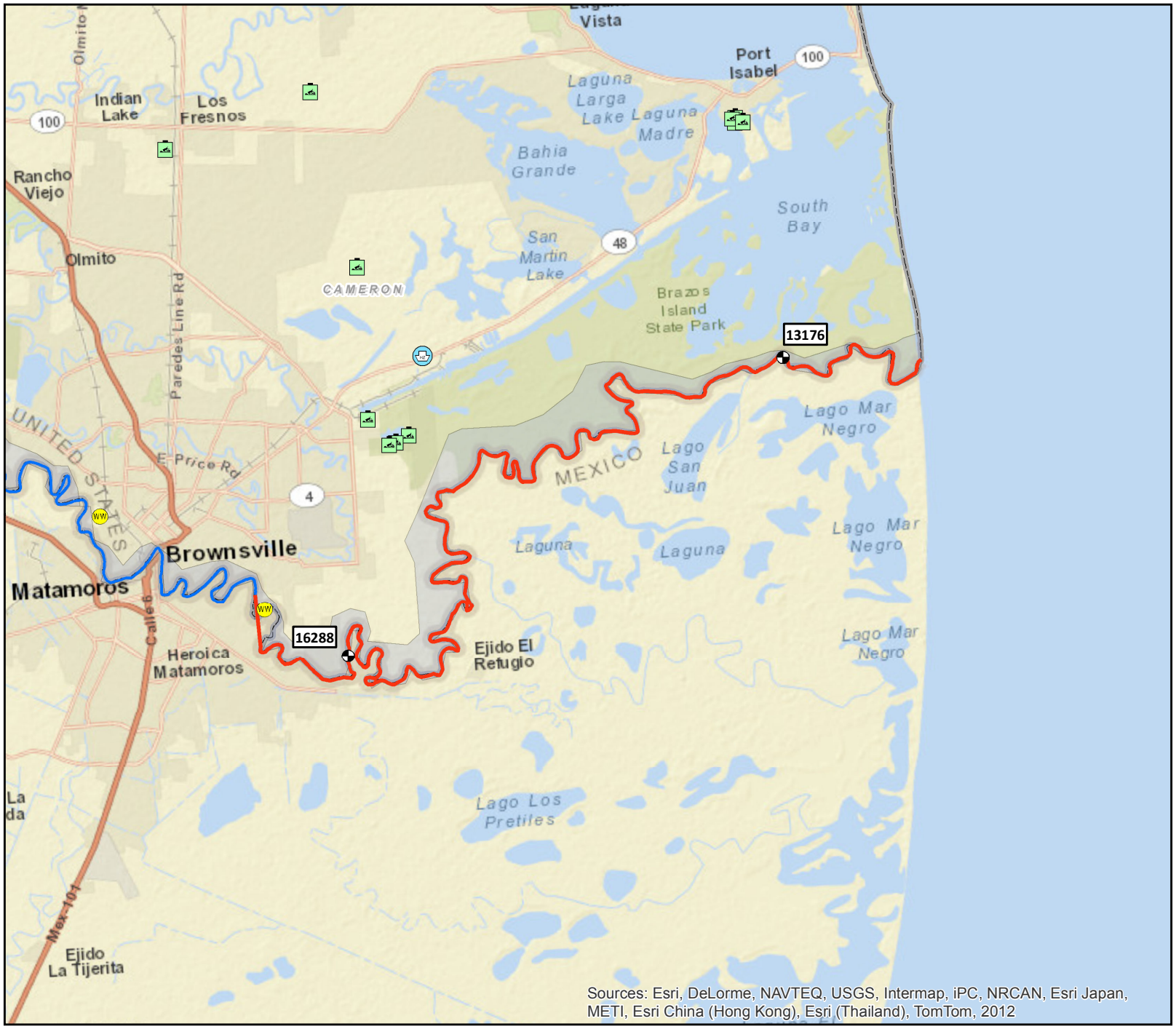


Rio Grande Below Falcon Reservoir

Parameter=TRANSPARENCY, SECCHI DISC (METERS) Station=17247



14. Lower Rio Grande Segment 2301



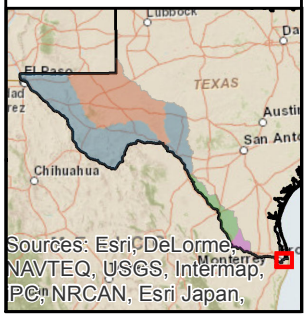
2013 RIO GRANDE BASIN SUMMARY REPORT

SEGMENT AND STATIONS USED IN TREND ANALYSIS

Sub Basin: Lower Rio Grande
Segment ID: 2301
Name: Rio Grande Tidal

LEGEND

- Monitoring Station (2)
- Wastewater Outfall (2)
- Hazardous Waste (1)
- Landfill (12)
- Segment (Current)
- Segment (Others)
- Sub Basin Boundary
- County Boundary



0 2 4 MILES

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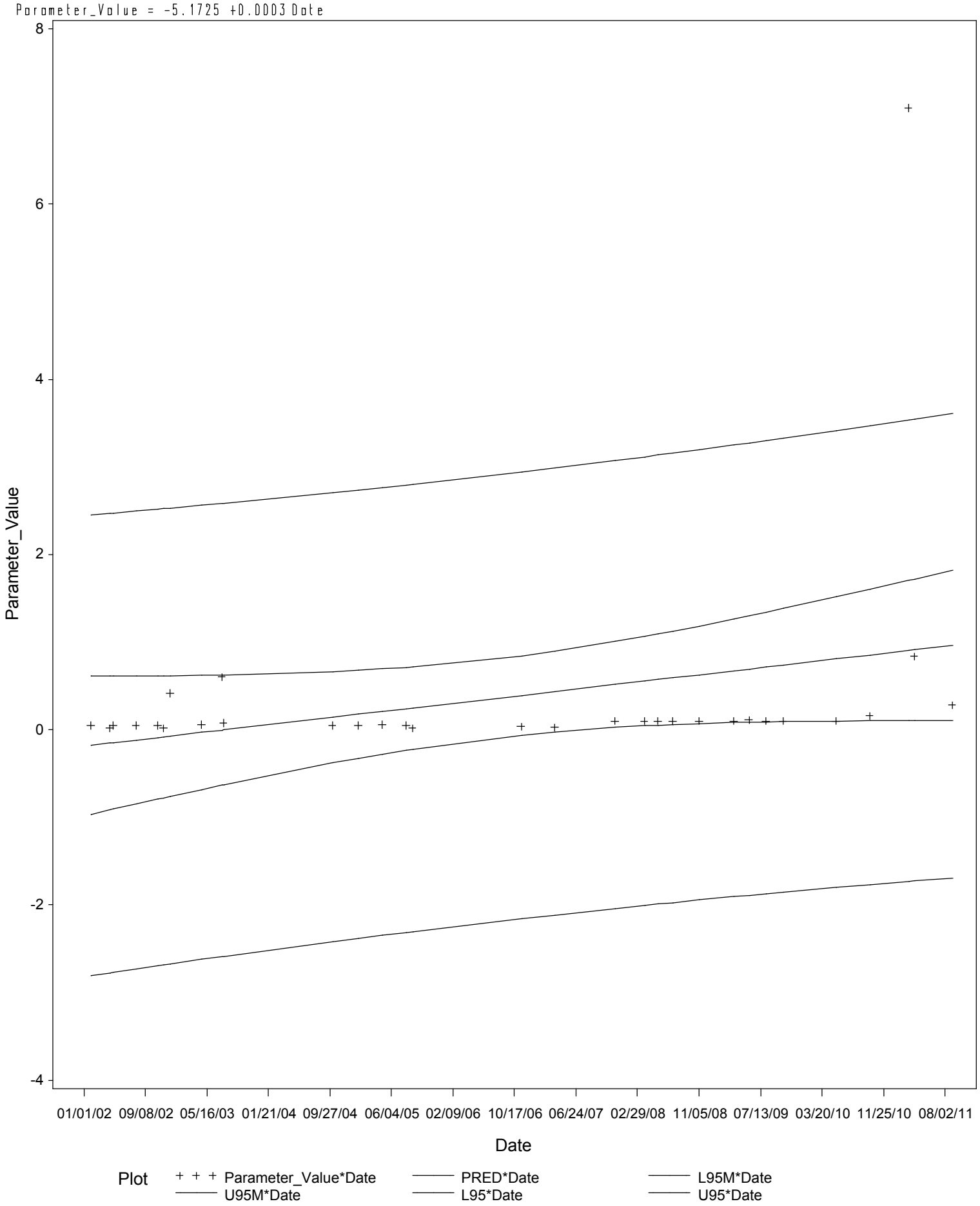
HDR ENVIRONMENTAL, OPERATIONS AND CONSTRUCTION, INC
184 CREEKSIDE PARK, SUITE 100
SPRING BRANCH, TX 78070-6230
210.253.6528

AUG 2013

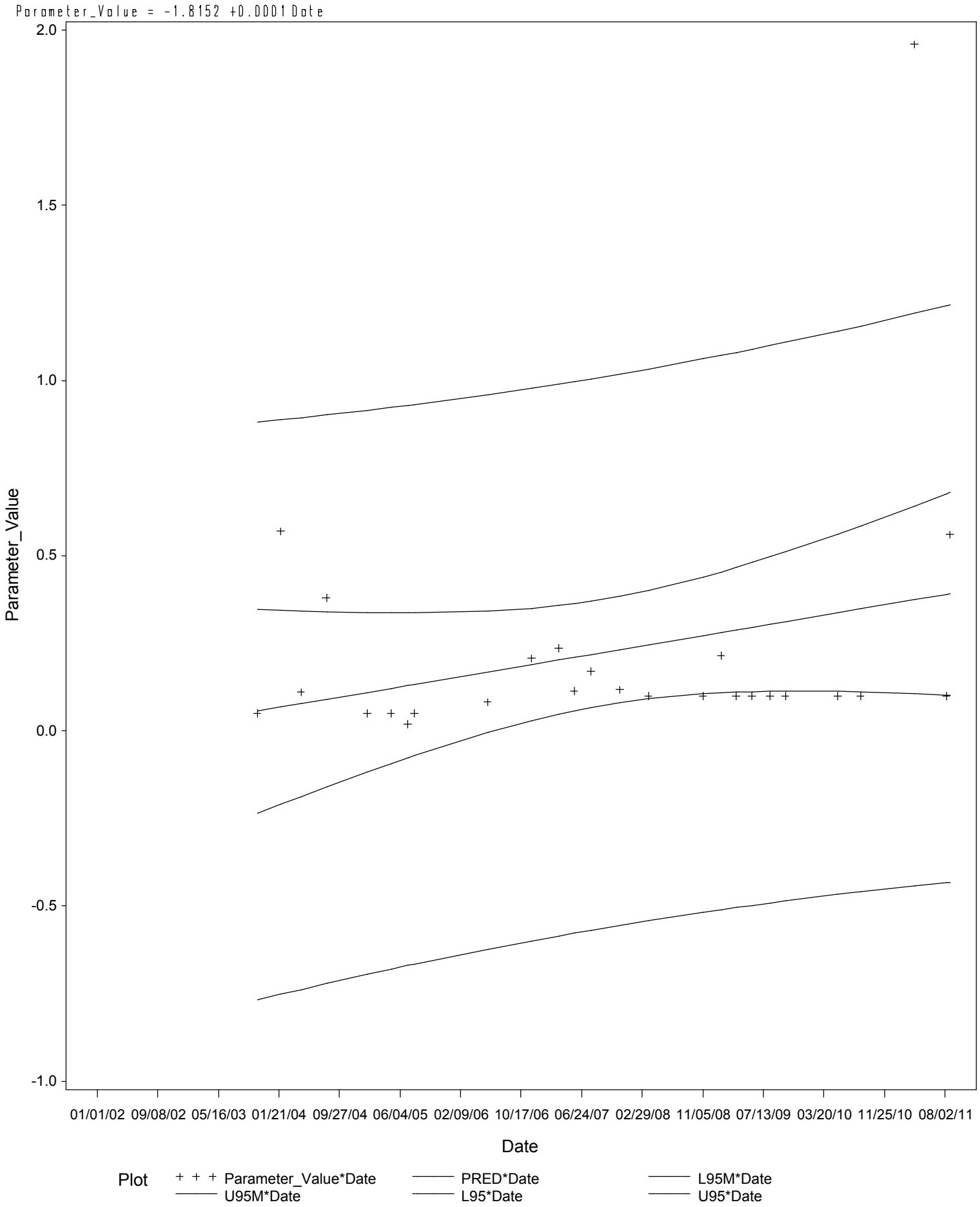
Rio Grande Tidal

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=13176



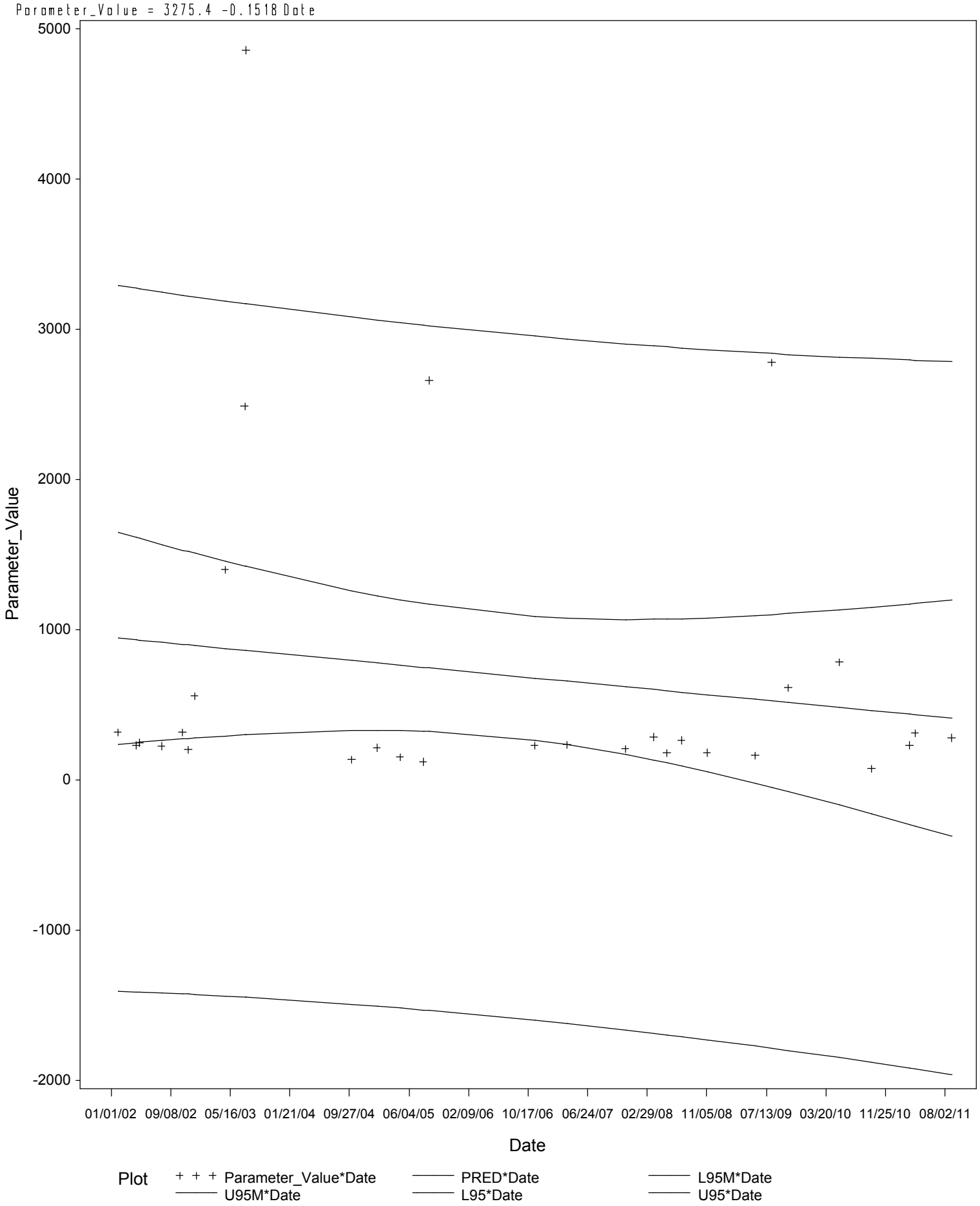
Rio Grande Tidal

Parameter=AMMONIA NITROGEN, (MG/L AS N) Station=16288



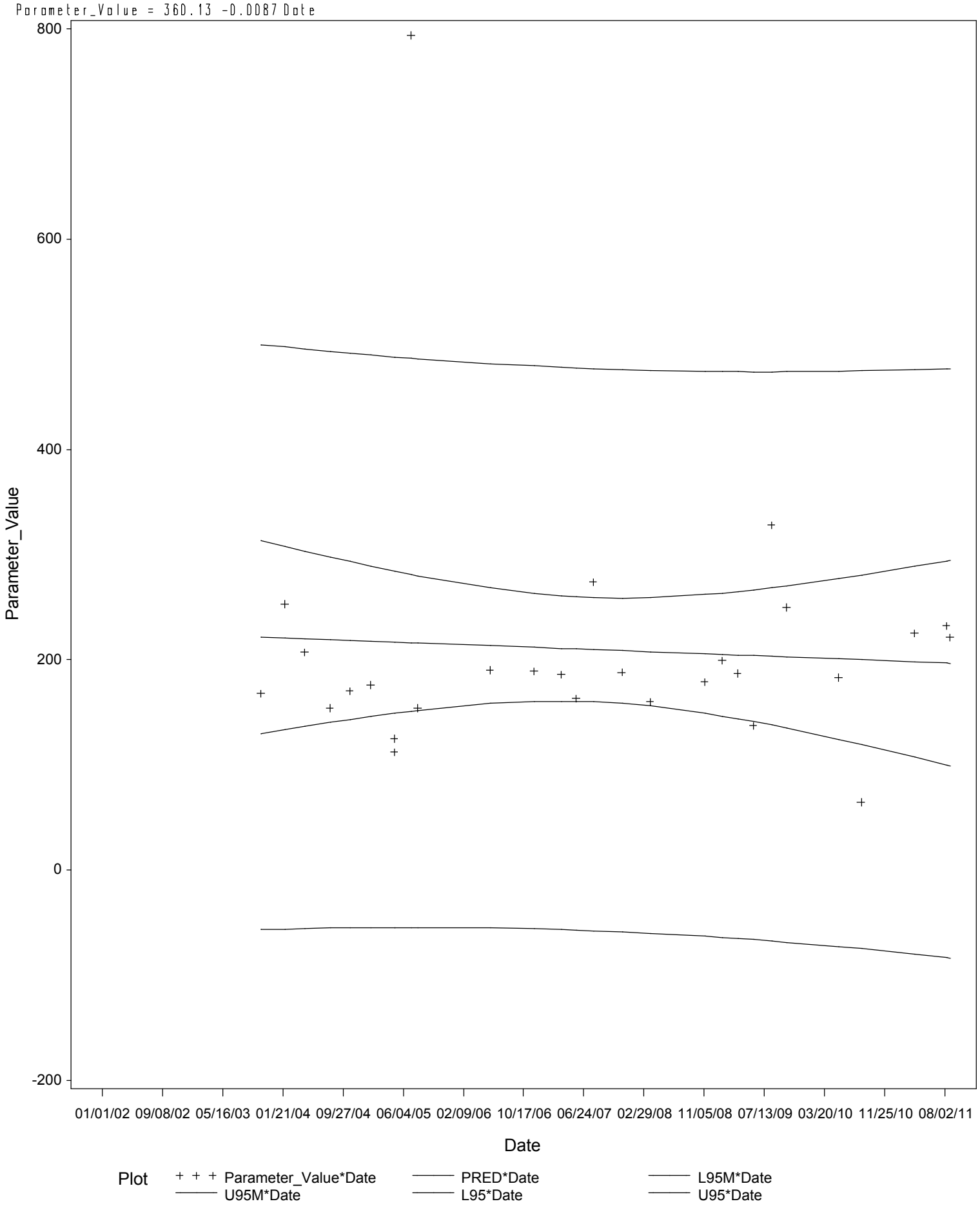
Rio Grande Tidal

Parameter=CHLORIDE (MG/L AS CL) Station=13176



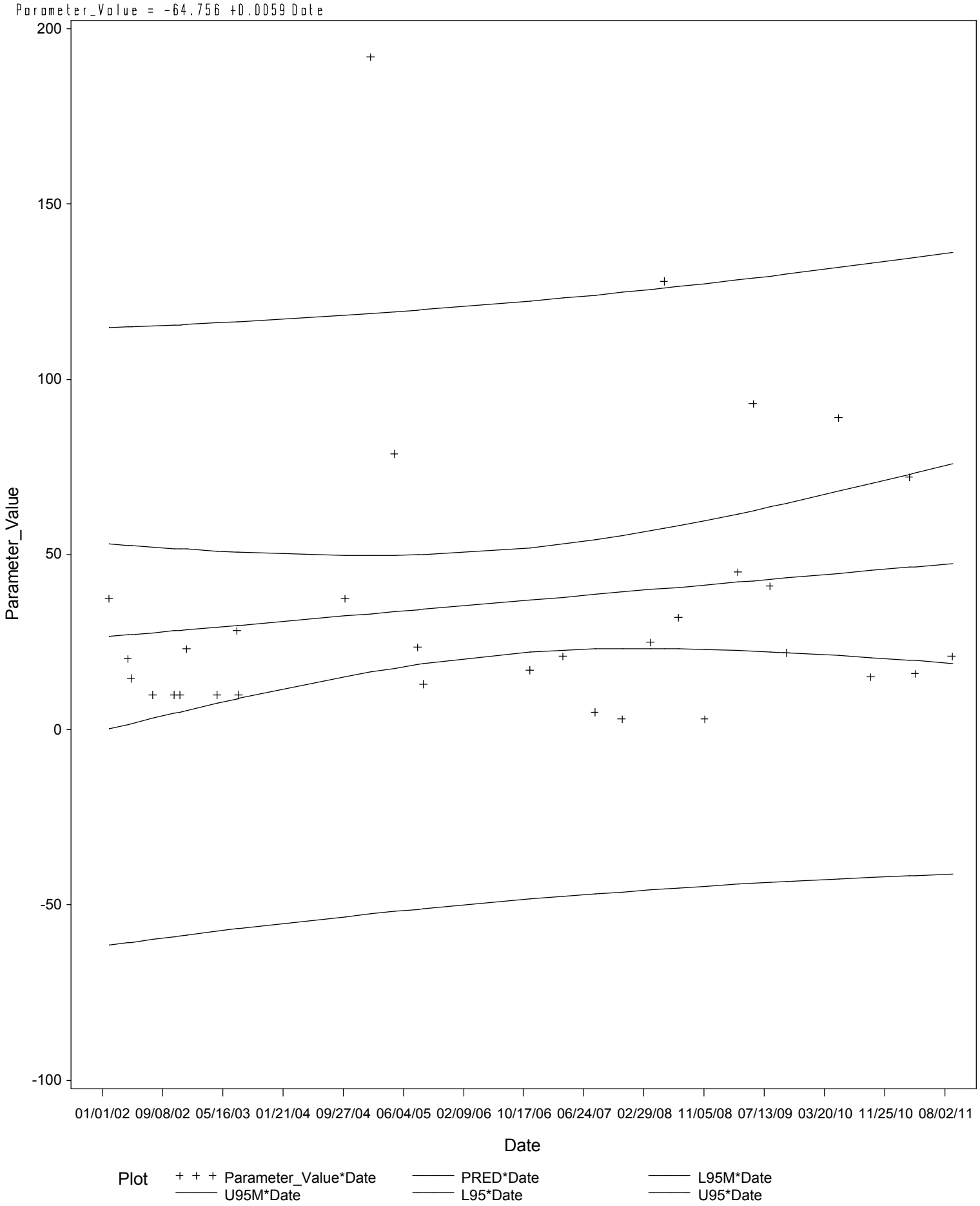
Rio Grande Tidal

Parameter=CHLORIDE (MG/L AS CL) Station=16288



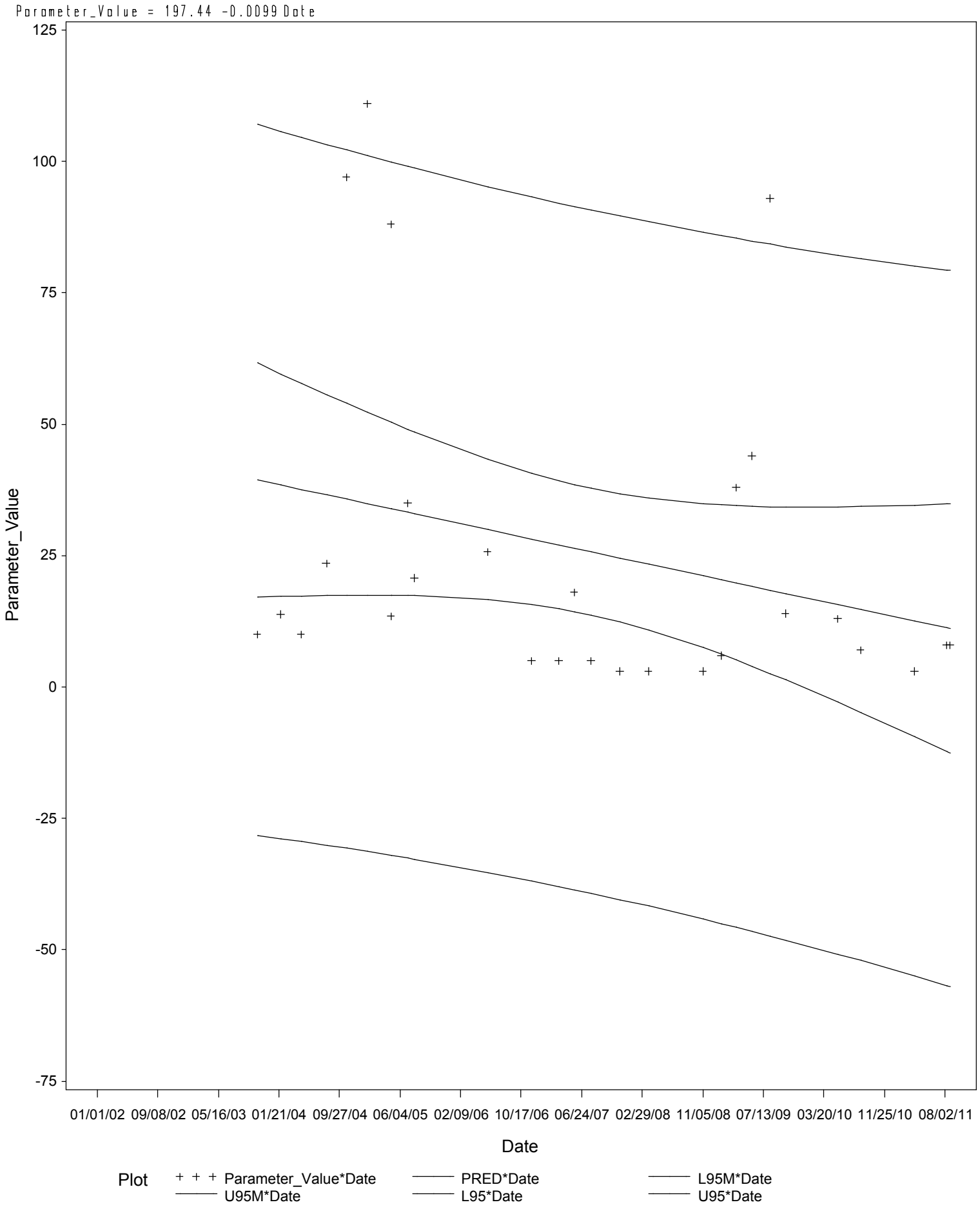
Rio Grande Tidal

Parameter=CHLOROPHYLL-A, UG/L Station=13176



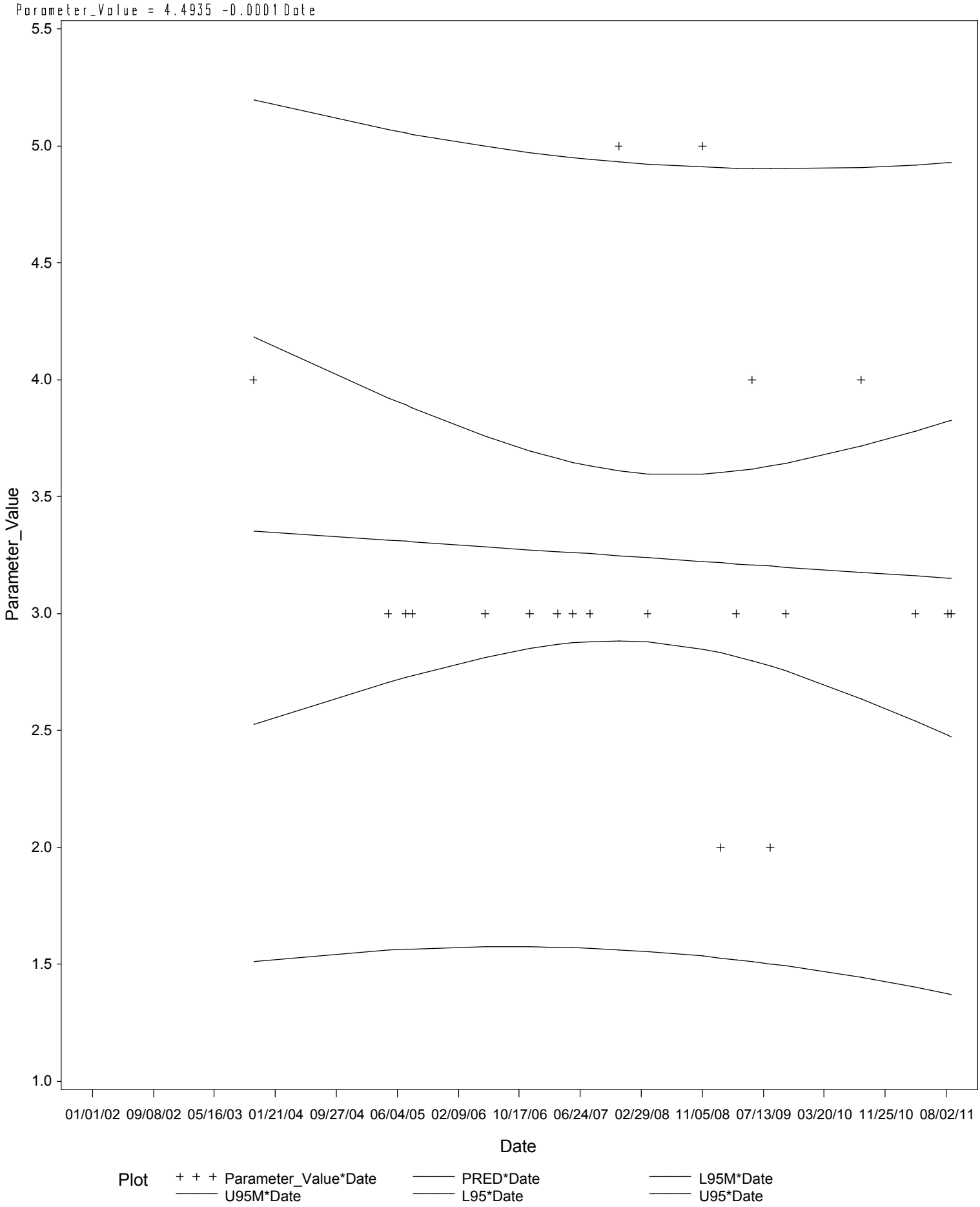
Rio Grande Tidal

Parameter=CHLOROPHYLL-A, UG/L Station=16288



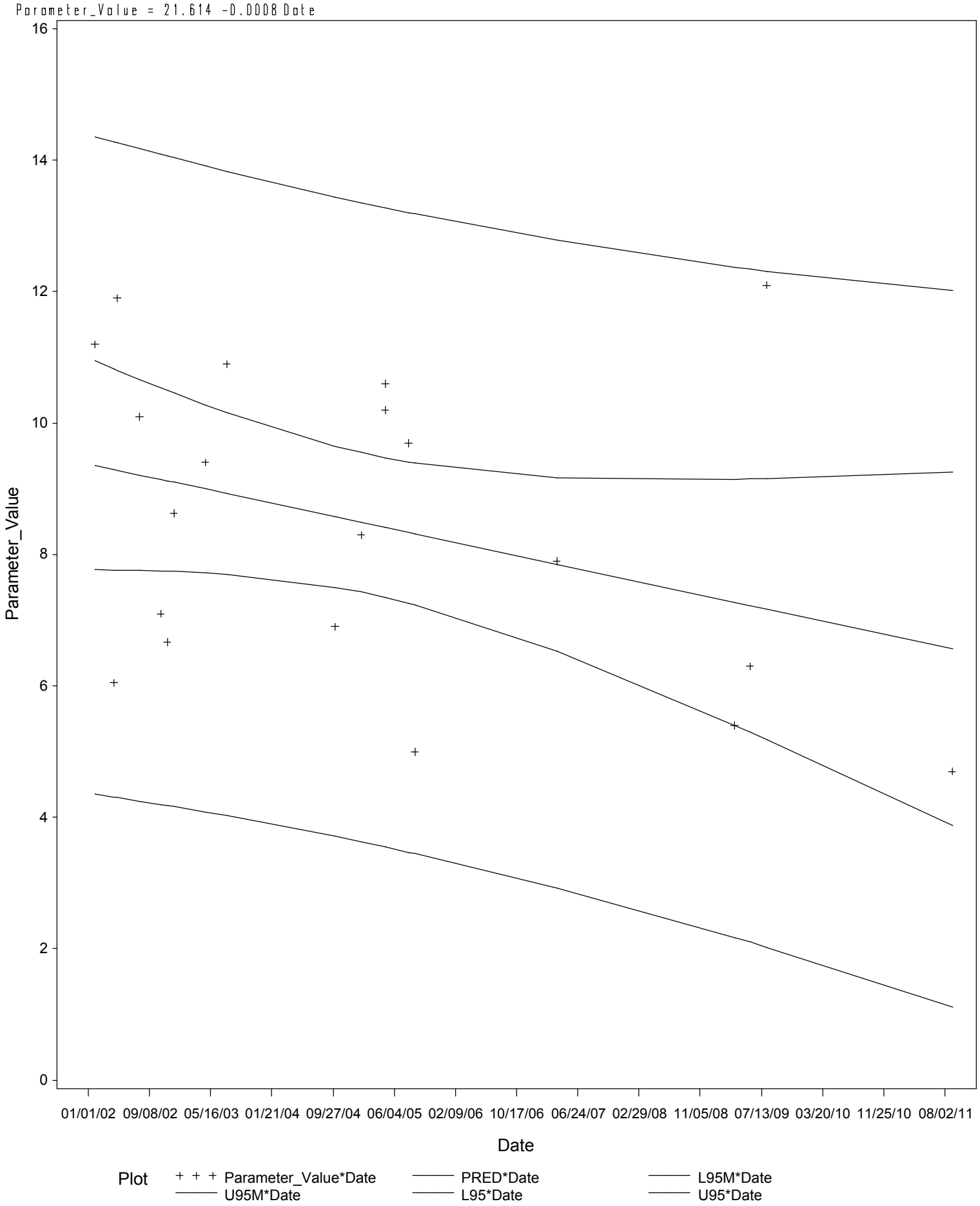
Rio Grande Tidal

Parameter=FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5=H Station=16288



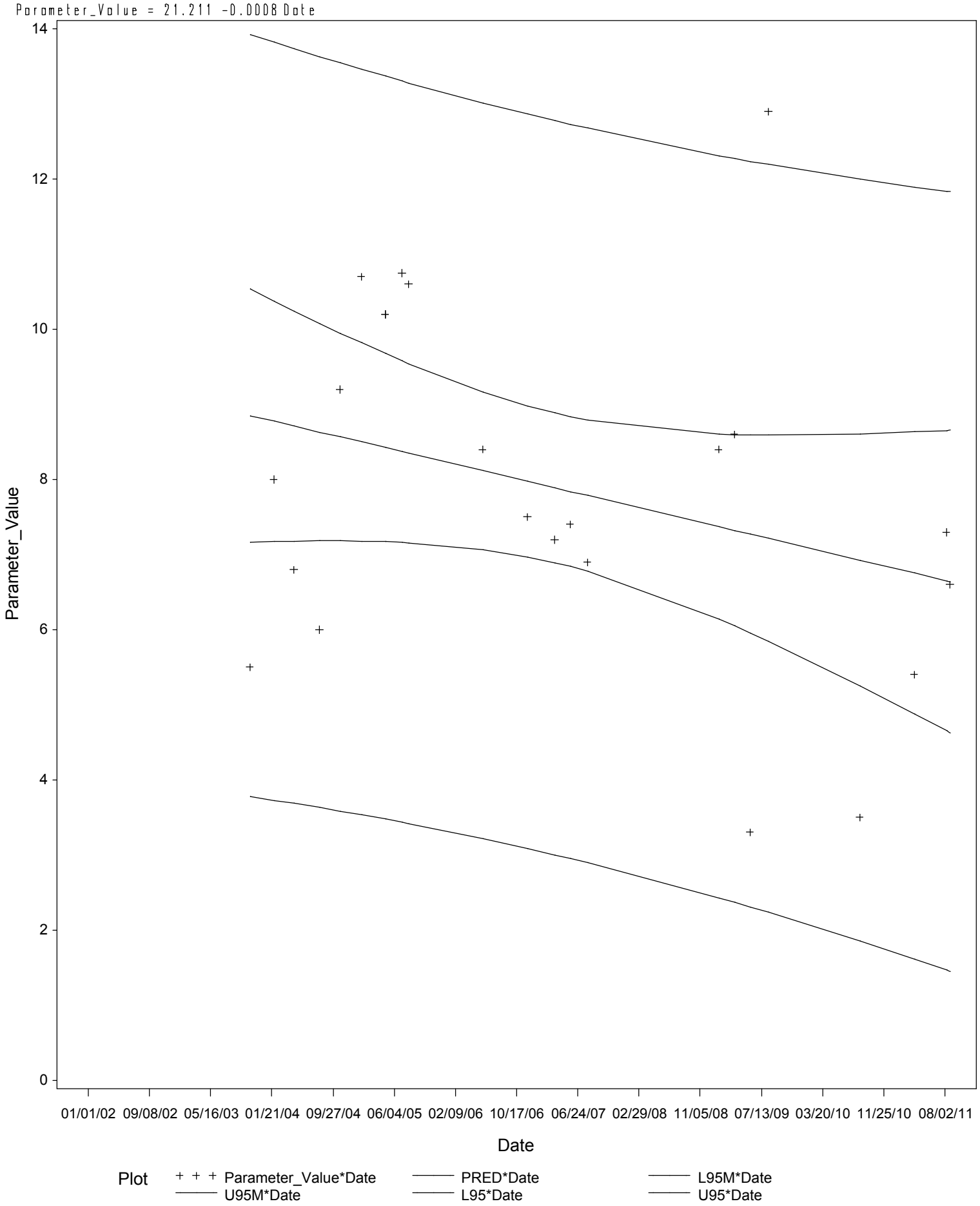
Rio Grande Tidal

Parameter=OXYGEN, DISSOLVED (MG/L) Station=13176



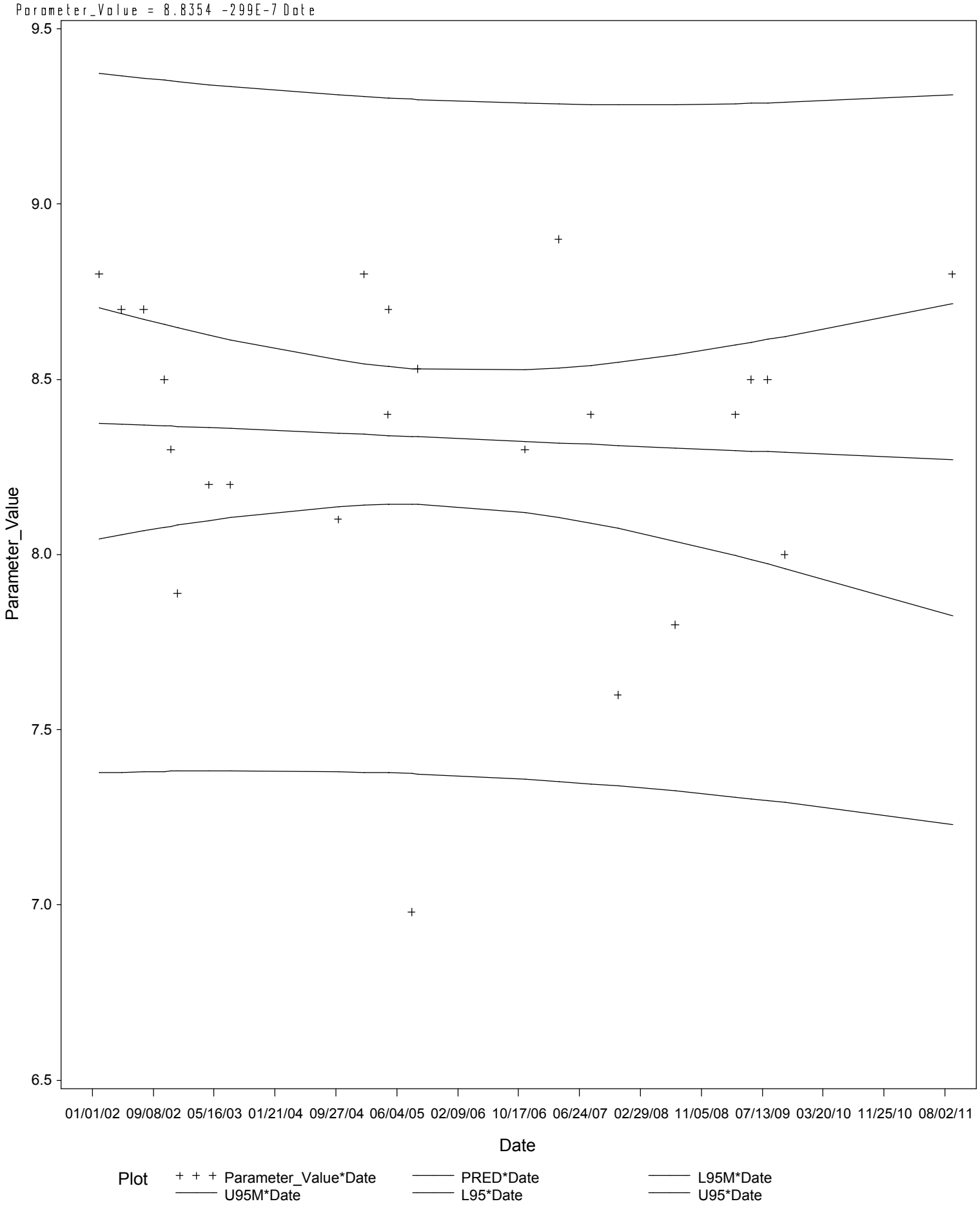
Rio Grande Tidal

Parameter=OXYGEN, DISSOLVED (MG/L) Station=16288



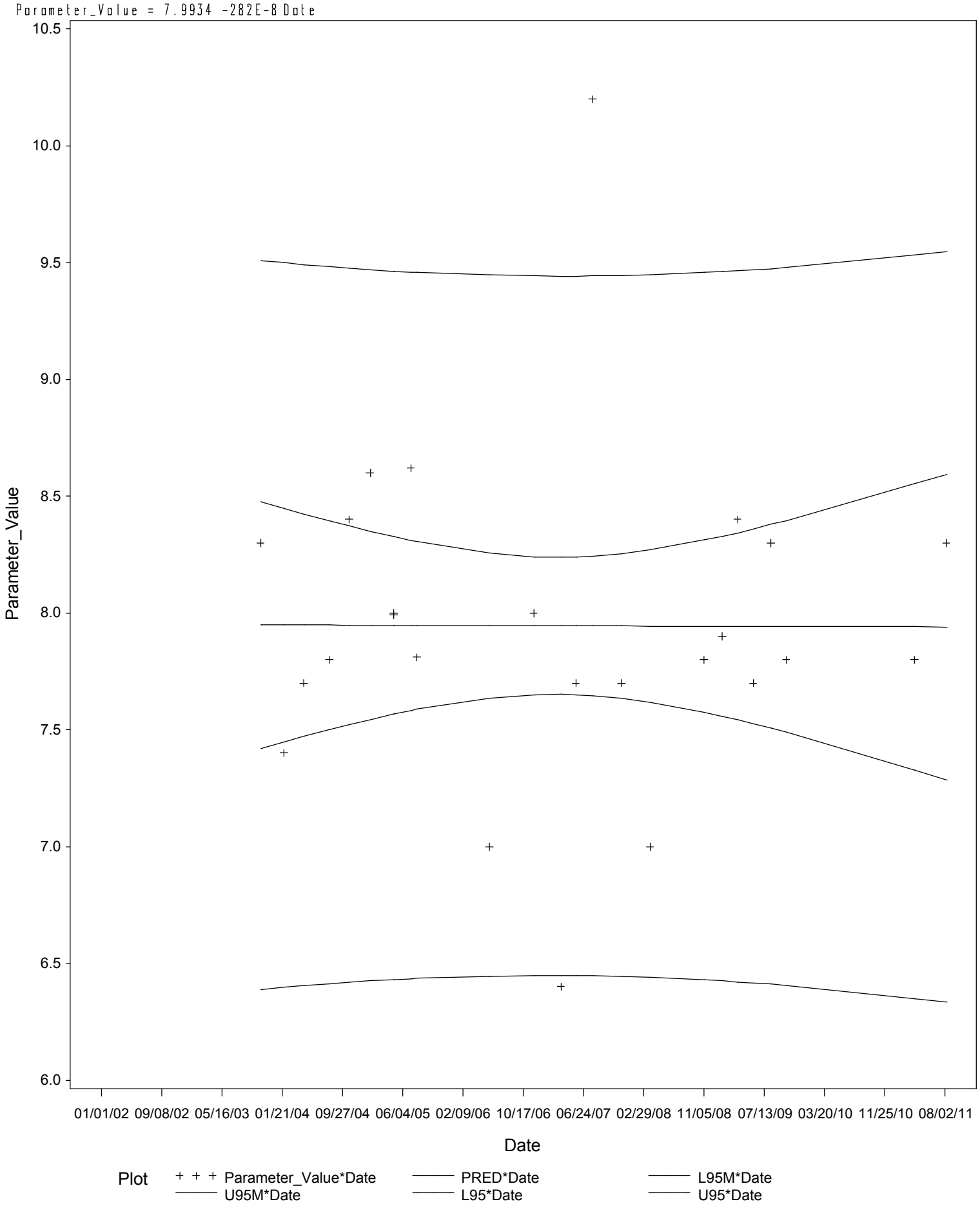
Rio Grande Tidal

Parameter=PH (STANDARD UNITS) Station=13176



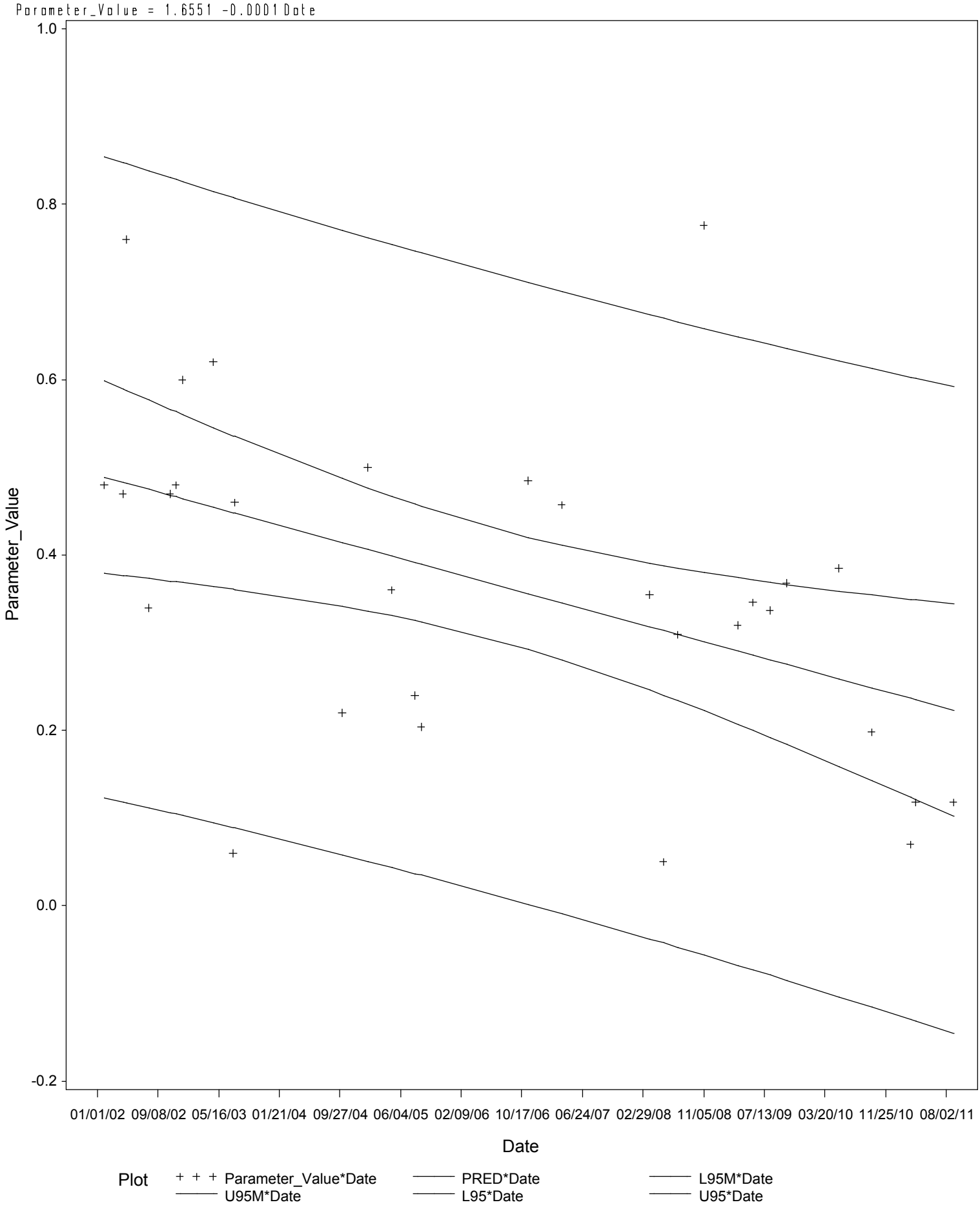
Rio Grande Tidal

Parameter=PH (STANDARD UNITS) Station=16288



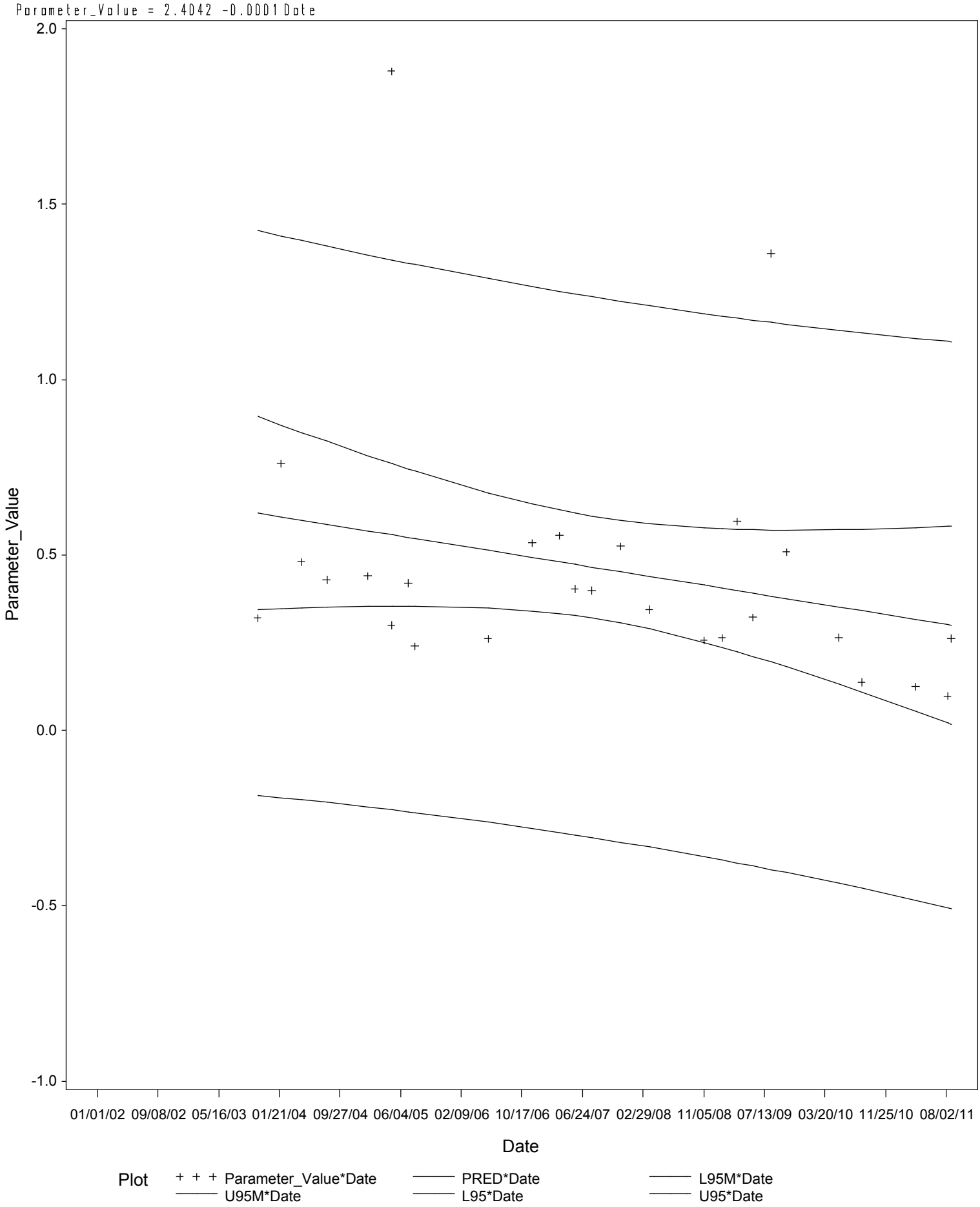
Rio Grande Tidal

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=13176



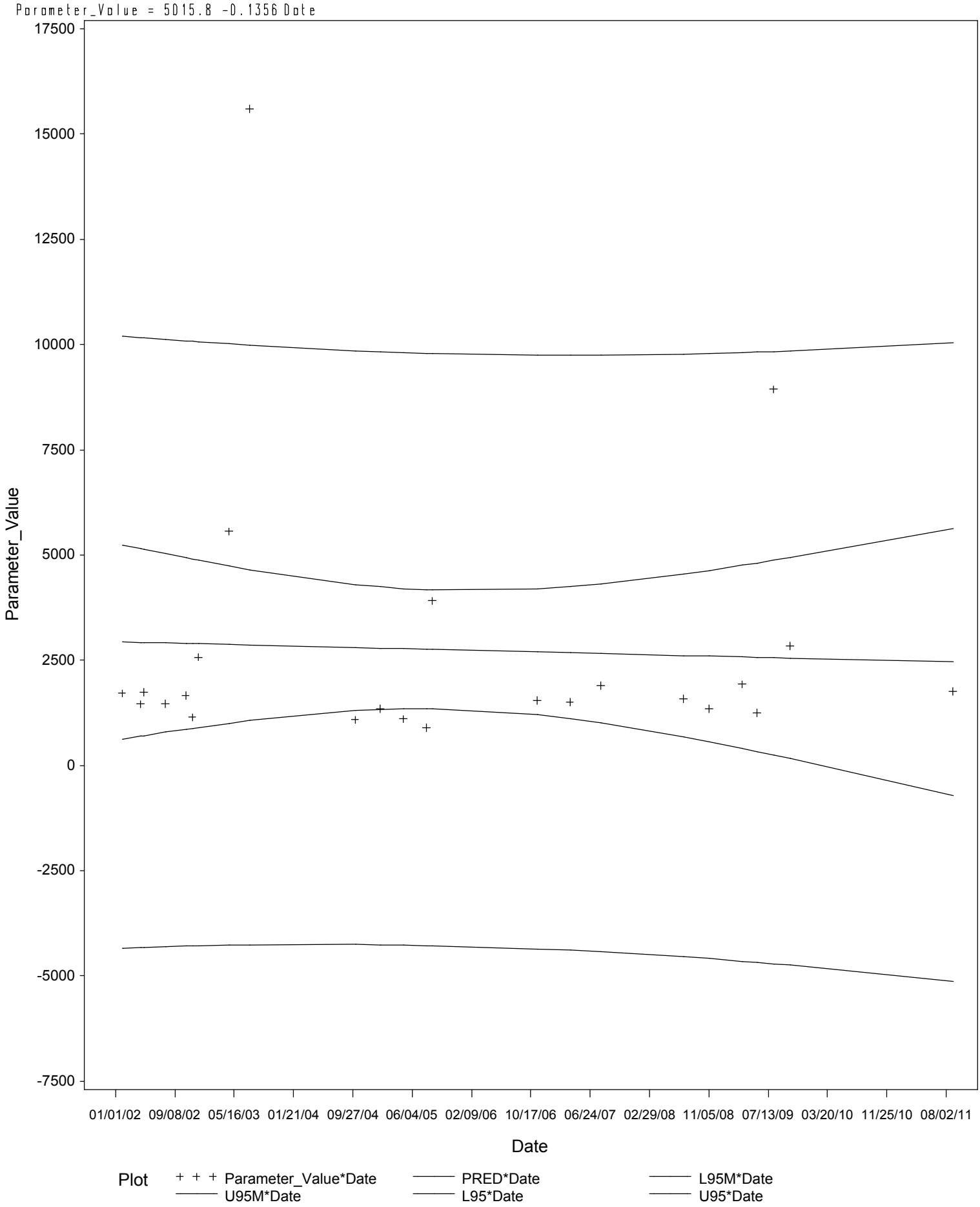
Rio Grande Tidal

Parameter=PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) Station=16288



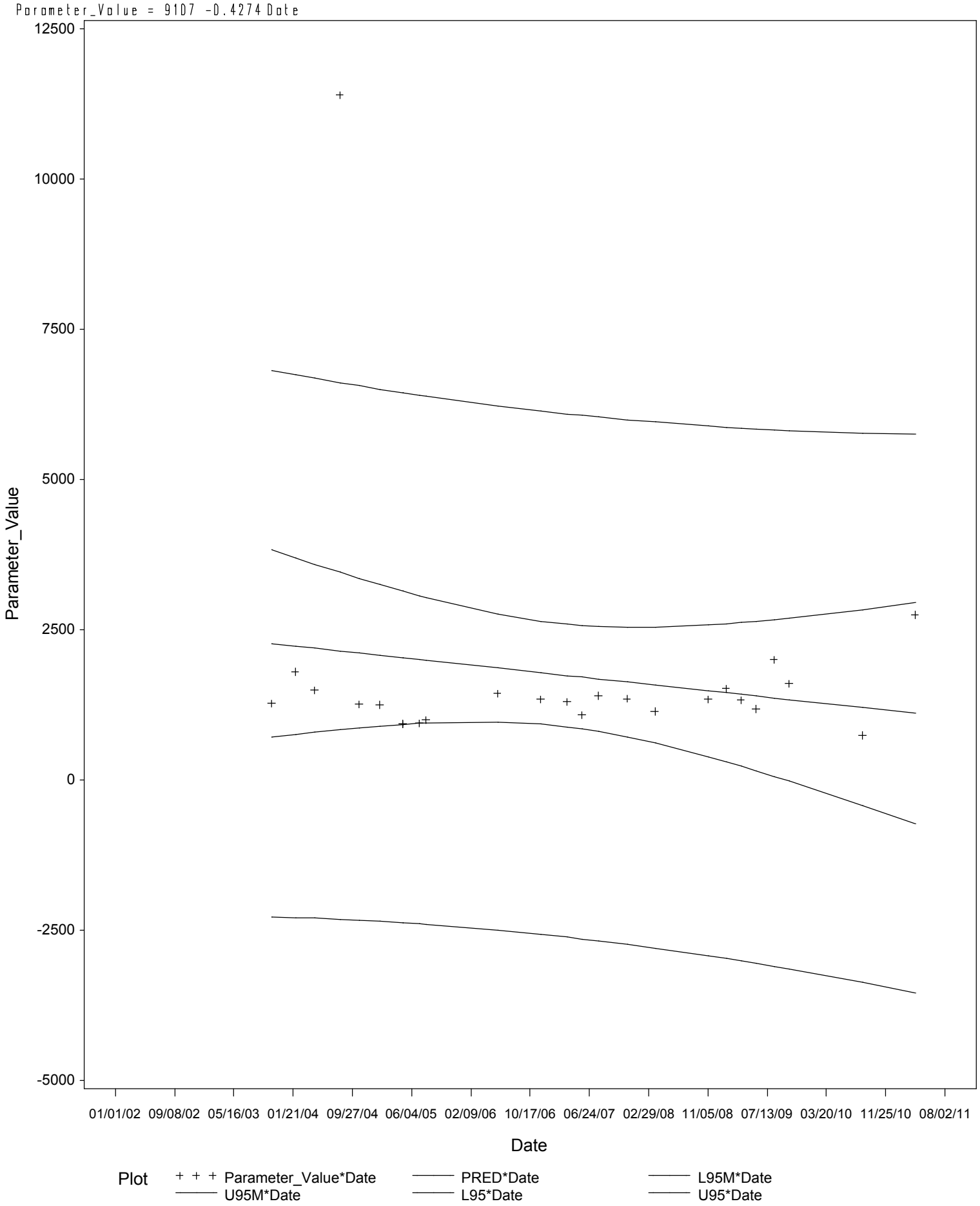
Rio Grande Tidal

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=13176



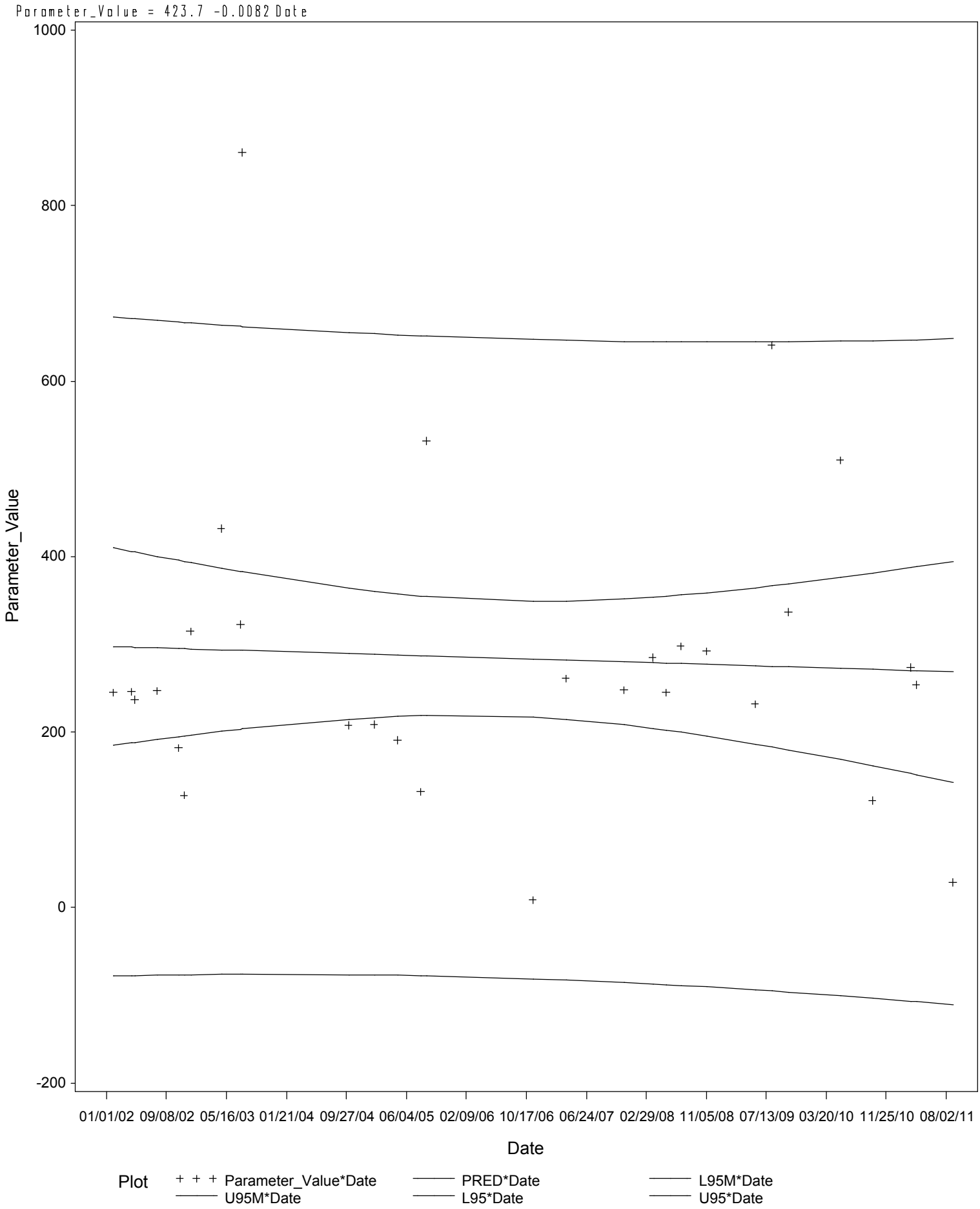
Rio Grande Tidal

Parameter=SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C) Station=16288



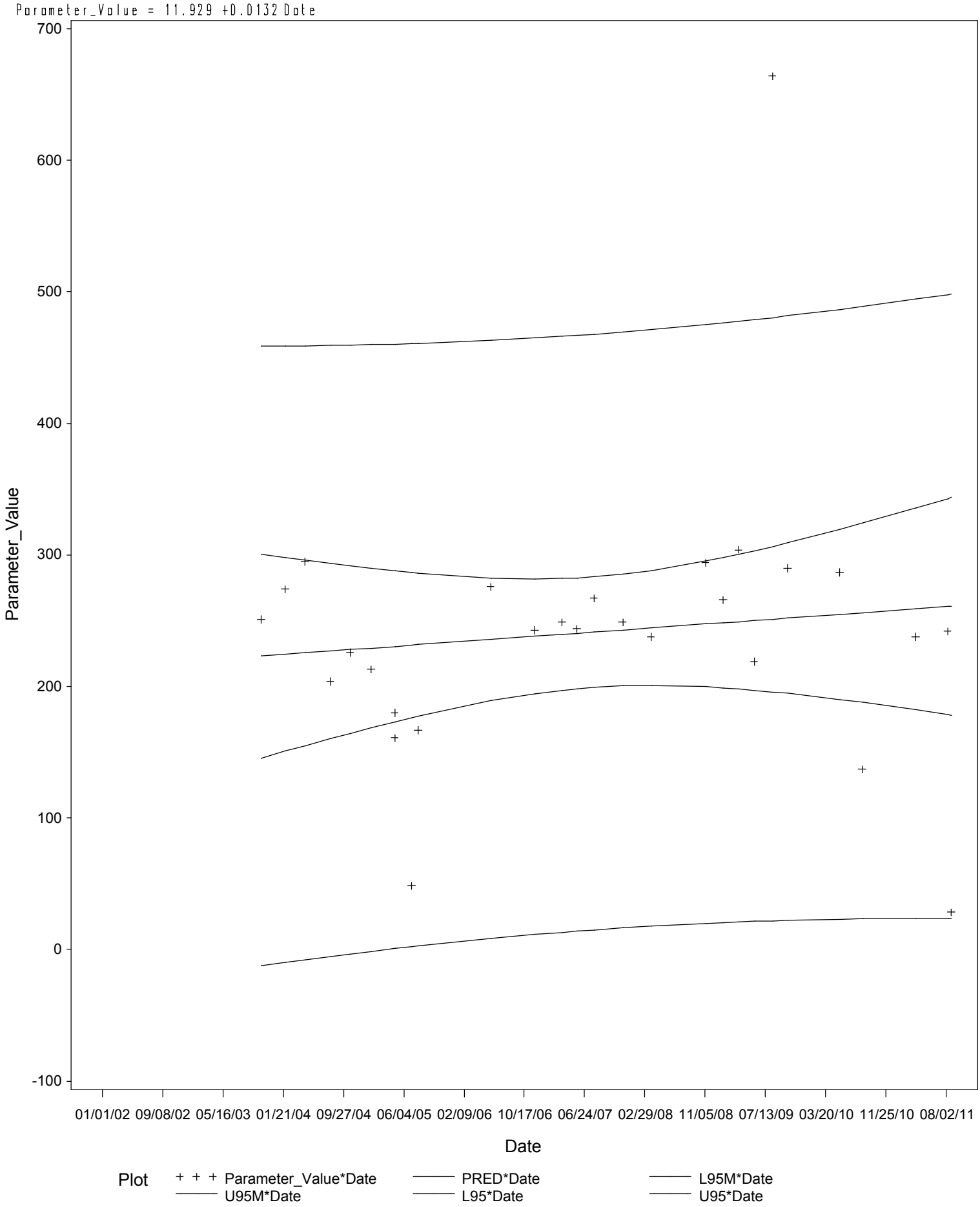
Rio Grande Tidal

Parameter=SULFATE (MG/L AS SO4) Station=13176



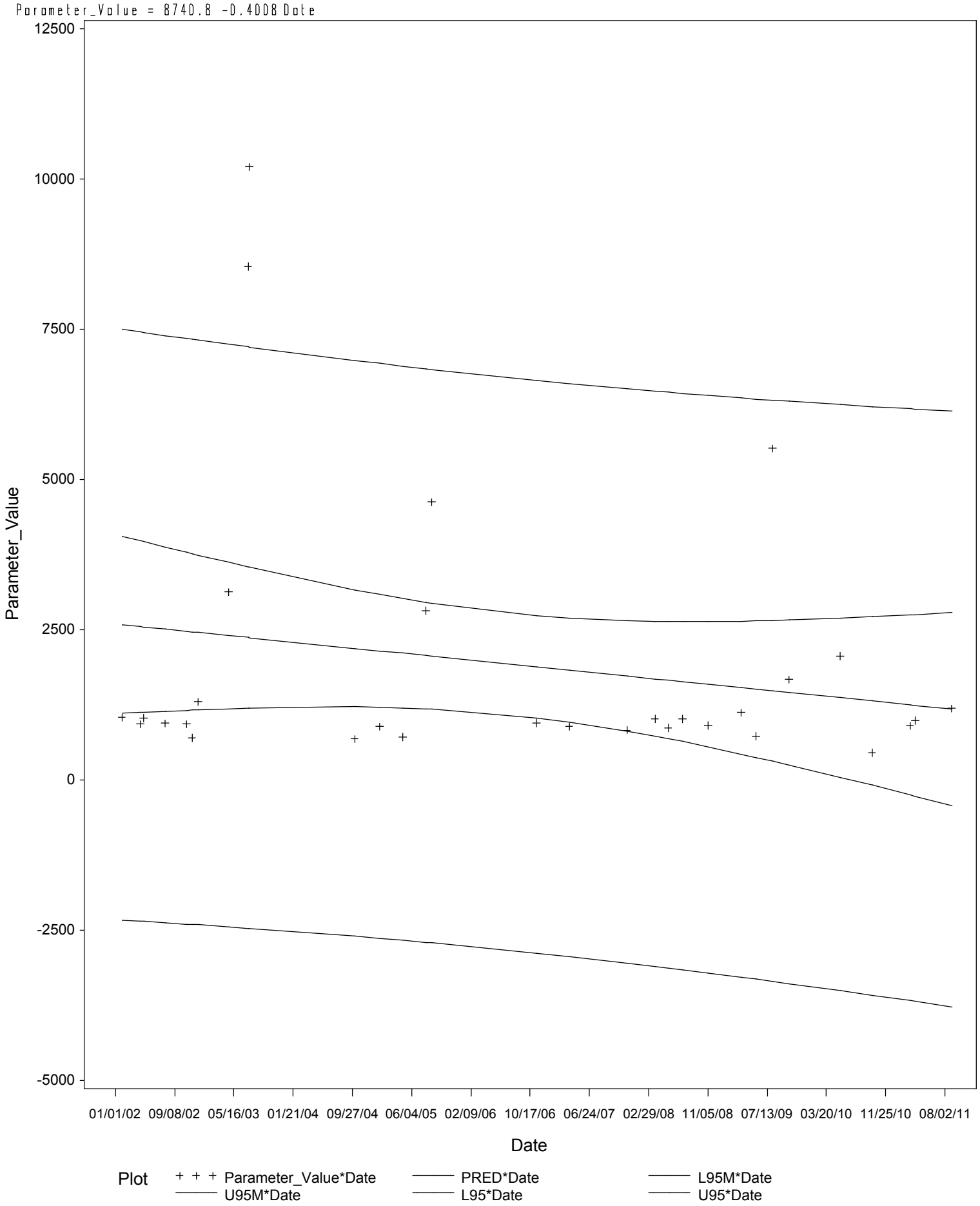
Rio Grande Tidal

Parameter=SULFATE (MG/L AS SO4) Station=16288



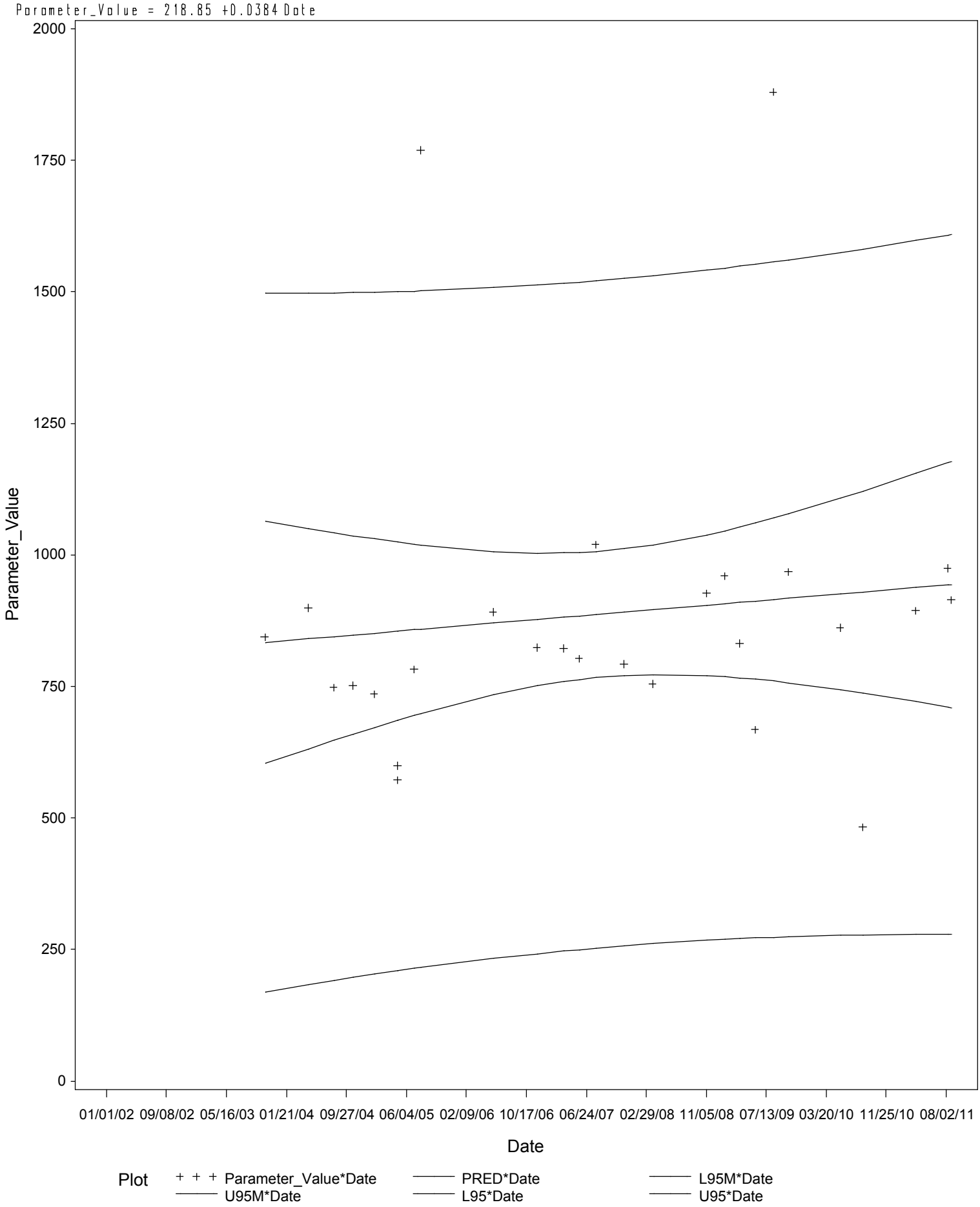
Rio Grande Tidal

Parameter=TDS (MG/L) Station=13176



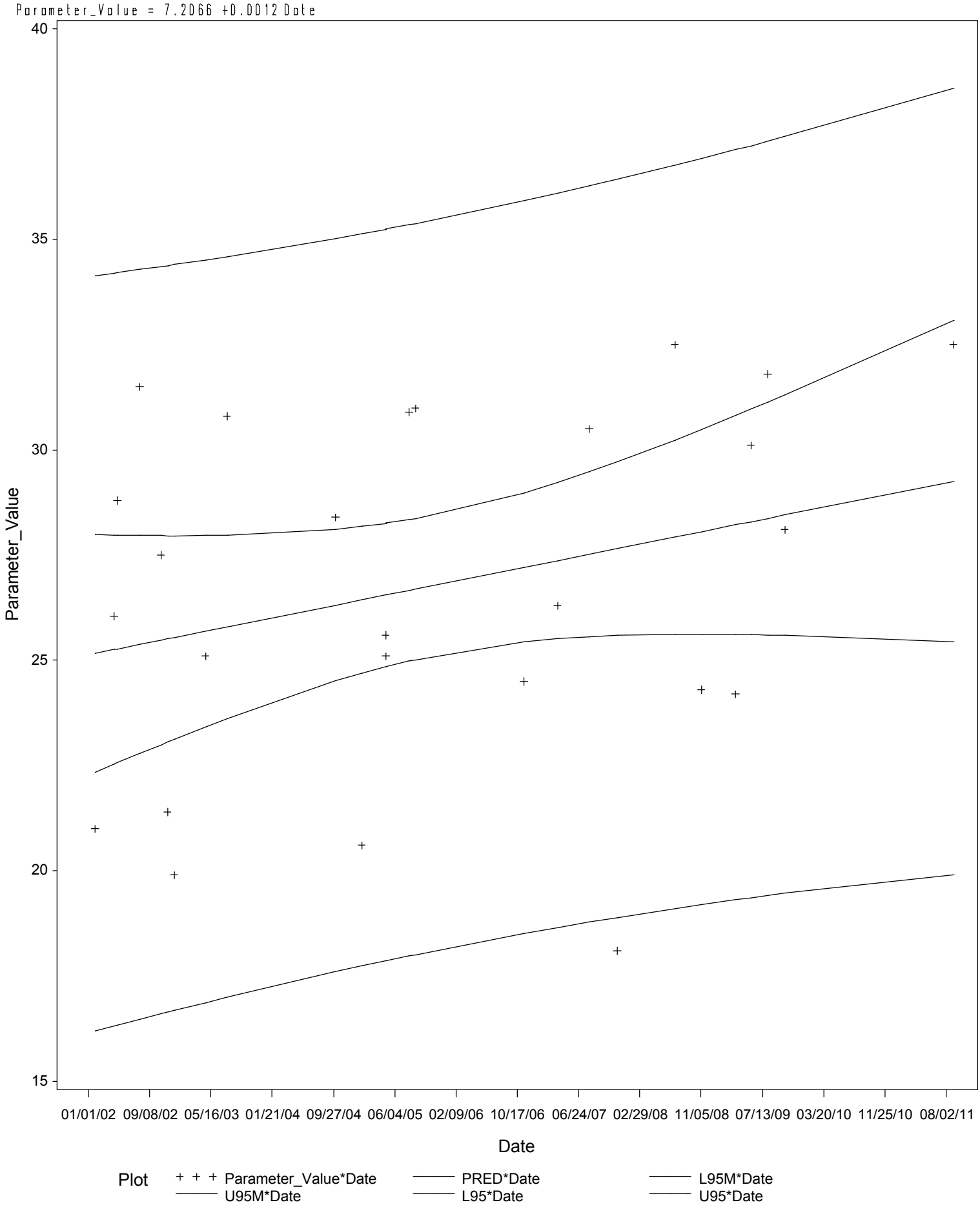
Rio Grande Tidal

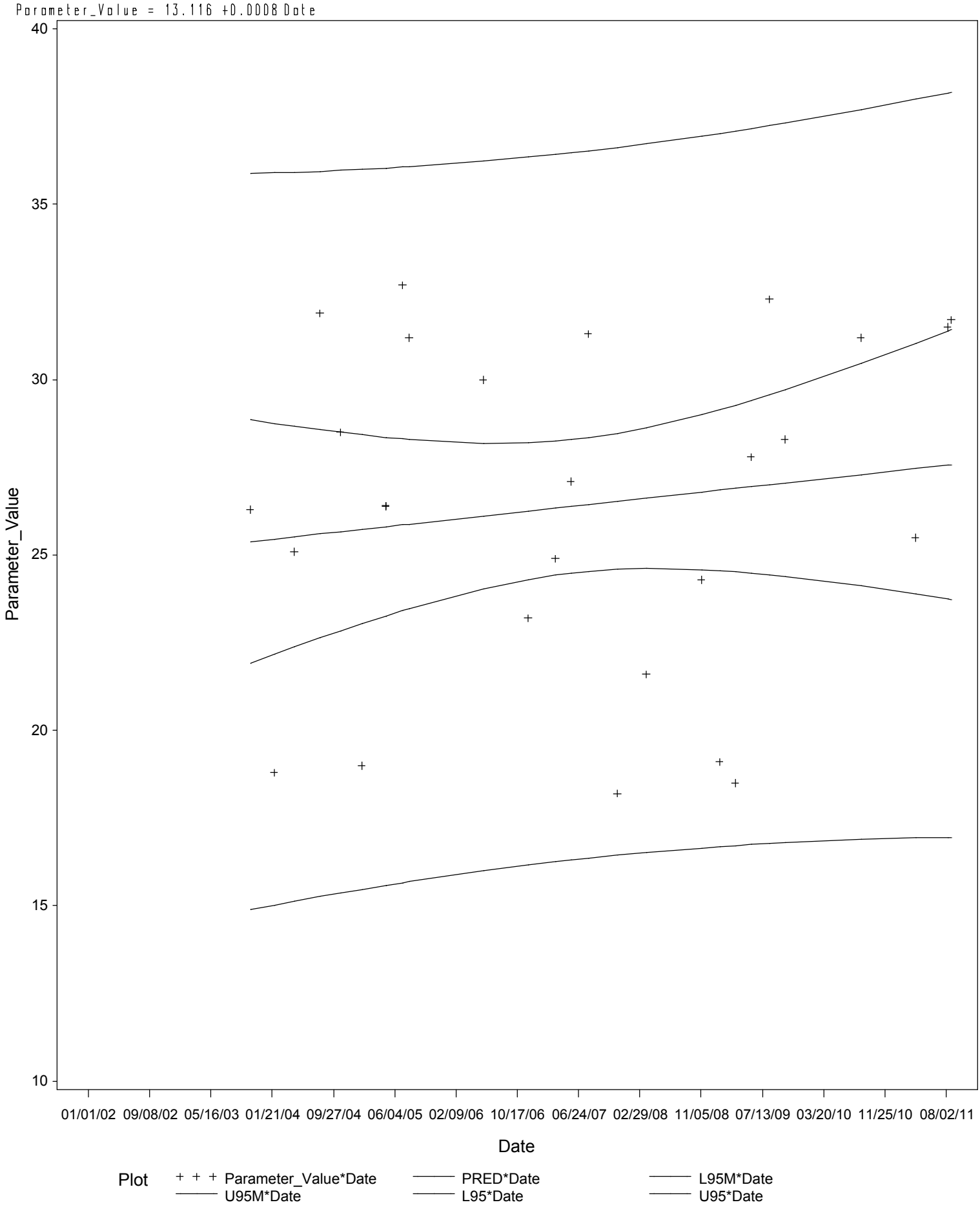
Parameter=TDS (MG/L) Station=16288



Rio Grande Tidal

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=13176



Rio Grande Tidal

Parameter=TEMPERATURE, WATER (DEGREES CENTIGRADE) Station=16288