



Supplement to Commercial Roof-top Units in Minnesota

Gas and Electric Consumption Models

**Conservation Applied Research & Development (CARD)
FINAL REPORT**

**Prepared for: Minnesota Department of Commerce
Division of Energy Resources**

Prepared by: Seventhwave and Center for Energy and Environment



Prepared by:

Mark Hancock, Center for Energy and the Environment
Alex Haynor, Center for Energy and the Environment
Ben Schoenbauer, Center for Energy and the Environment

Principal Investigator: Scott Schuetter, Seventhwave
749 University Row, Suite 320
Madison, WI 53705

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Prepared for Minnesota Department of Commerce, Division of Energy Resources

Mike Rothman, Commissioner, Department of Commerce
Bill Grant, Deputy Commissioner, Department of Commerce, Division of Energy Resources
Mark Garofano, Project Manager
Phone (651-539-1864)
Email (mark.garofano@state.mn.us)

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RTU Gas Consumption Models

Figure 1: Site ABS Full Site Gas Model

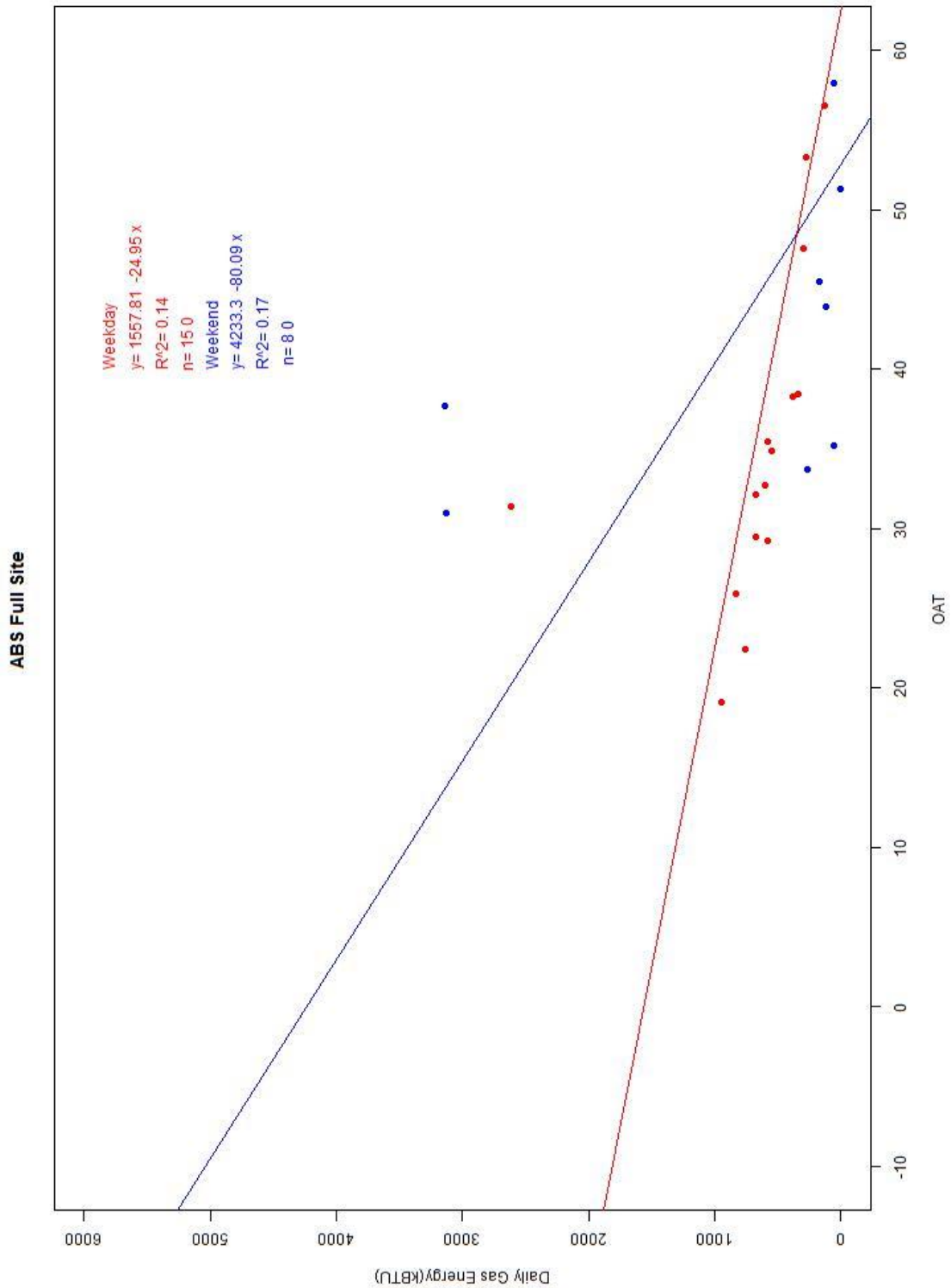


Figure 2: Site ABS RTU #1 Gas Model

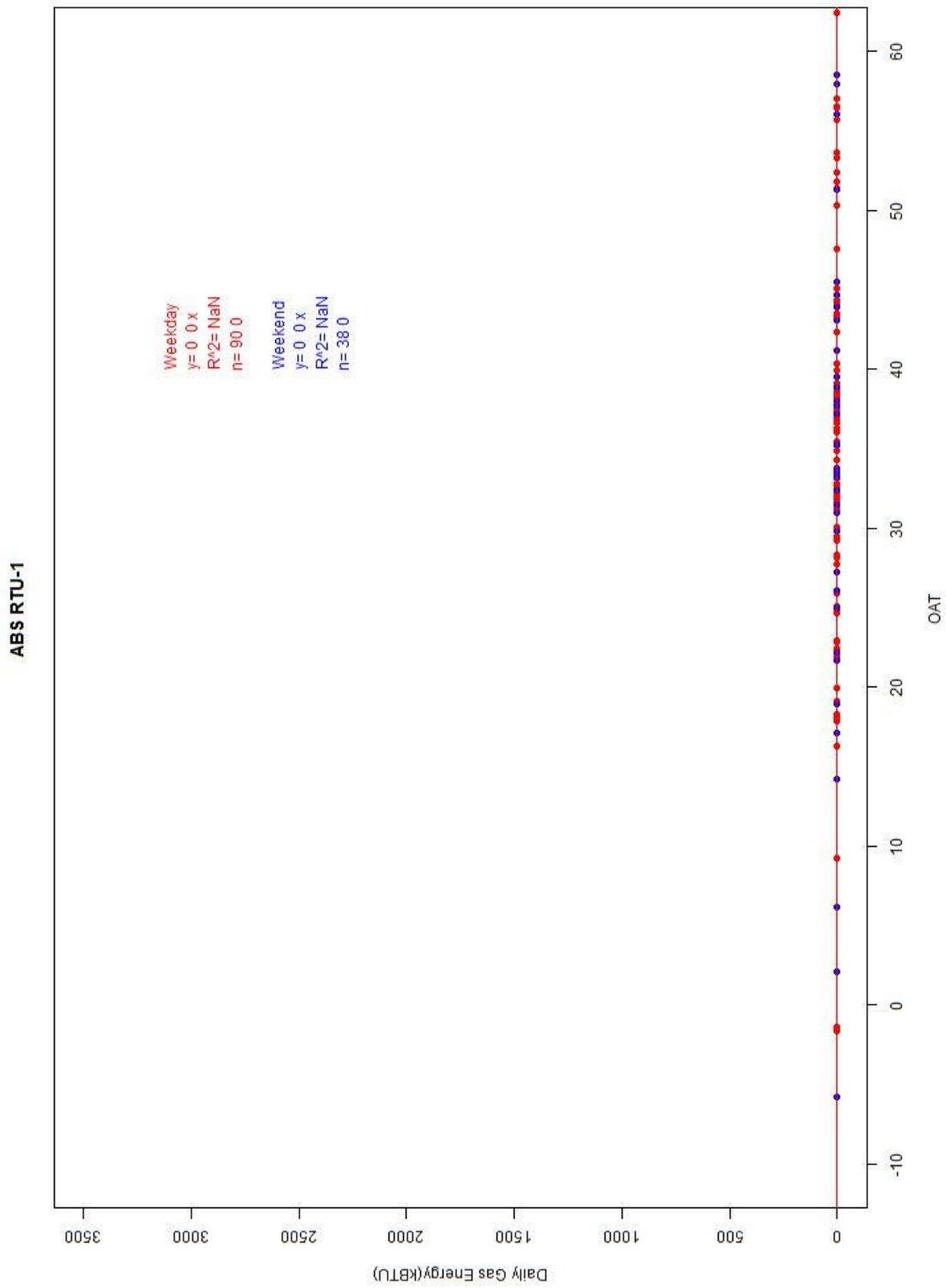


Figure 3: Site ABS RTU #2 Gas Model

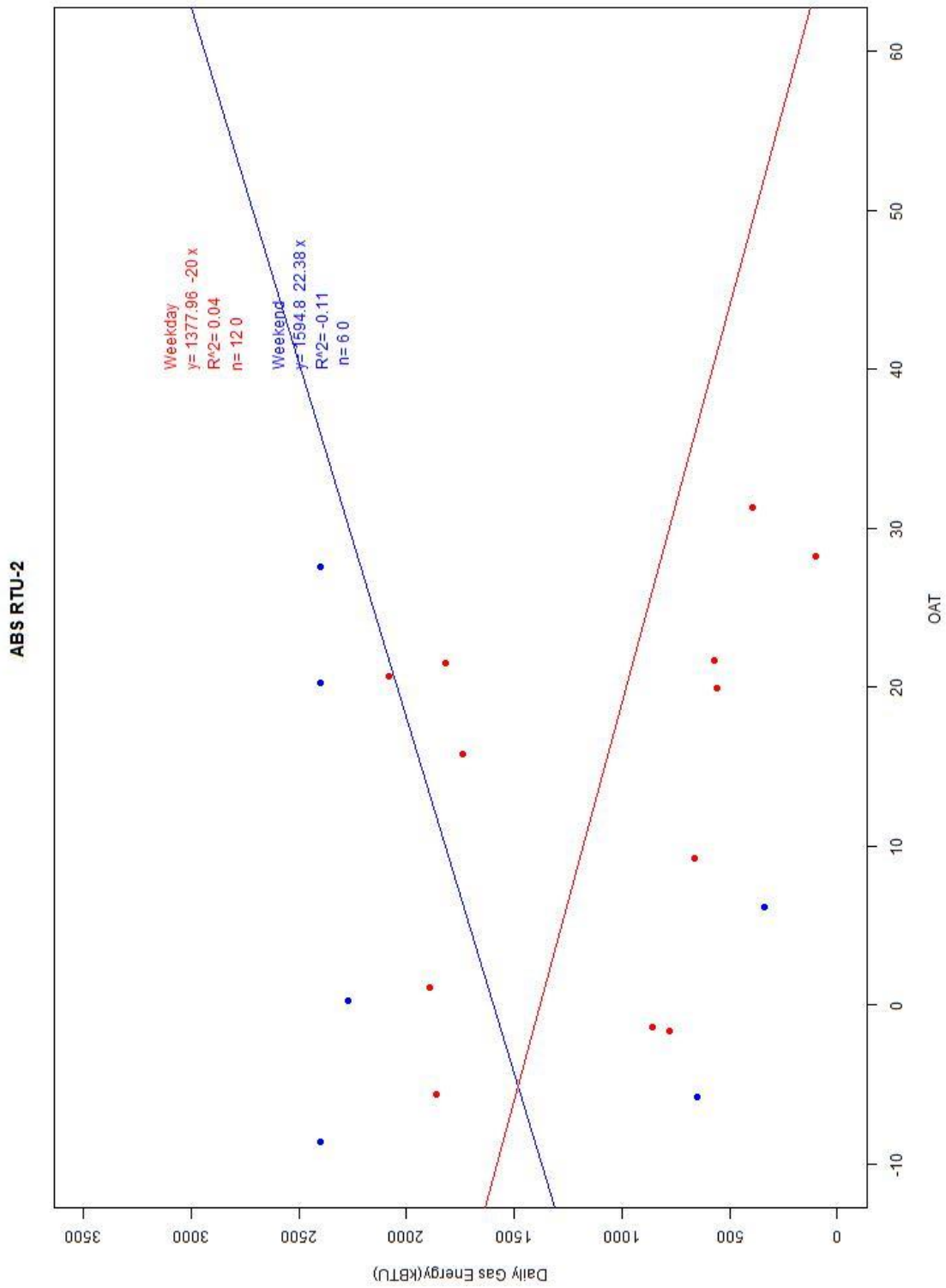


Figure 4: Site ABS RTU #3 Gas Model

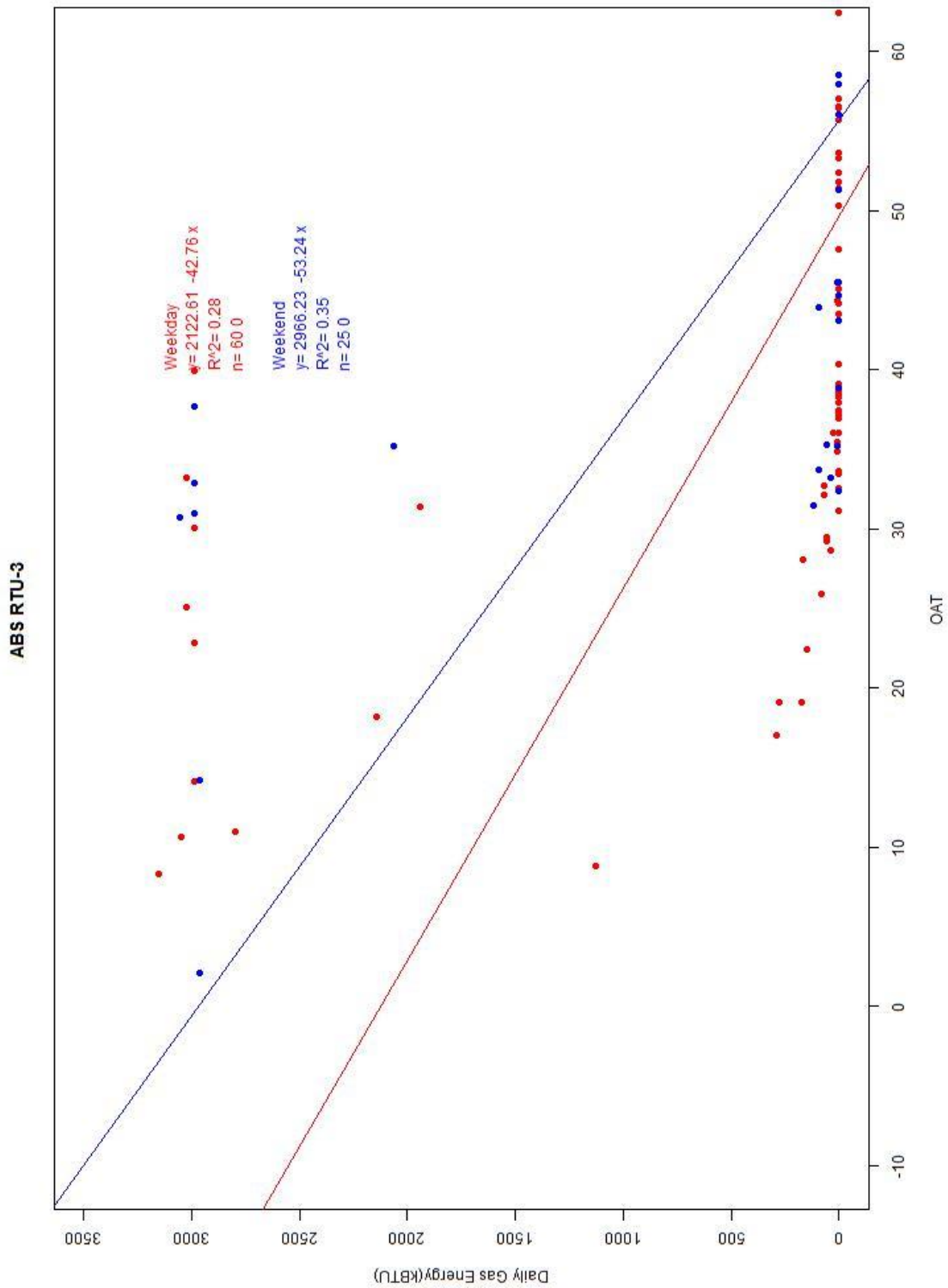


Figure 5: Site CHO Full Site Gas Model

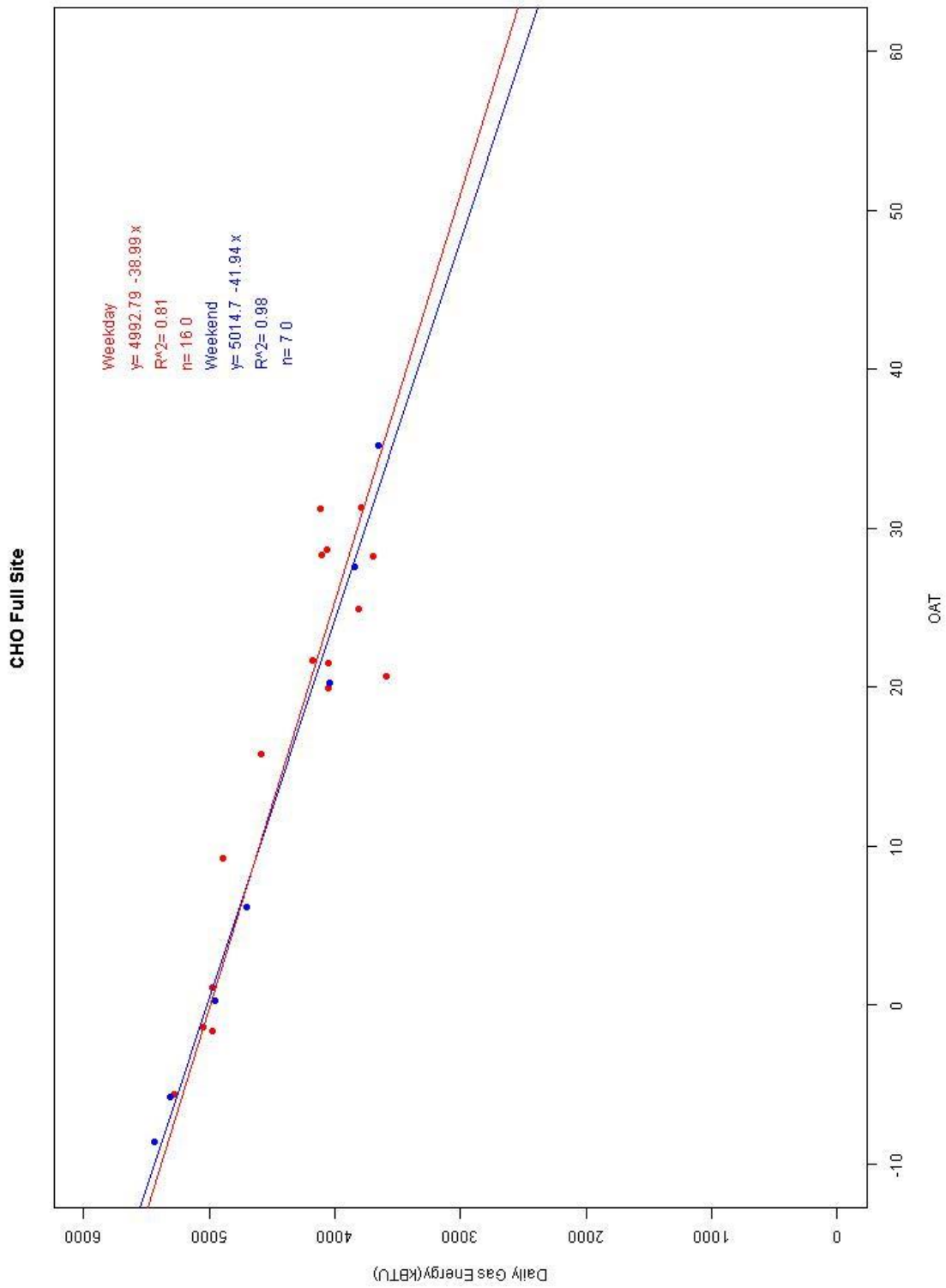


Figure 6: Site CHO RTU #1 Gas Model

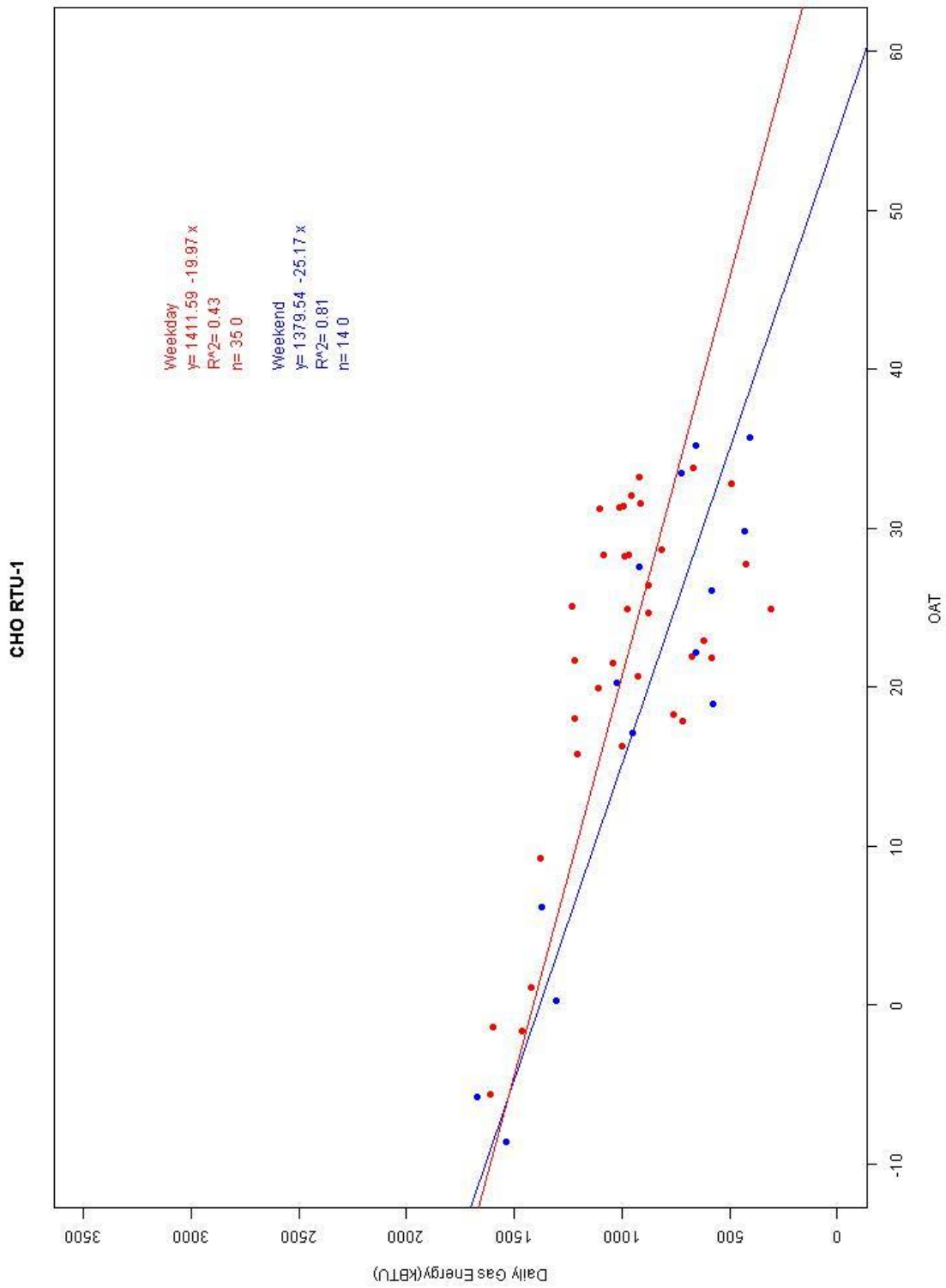


Figure 7: Site CHO RTU #2 Gas Model

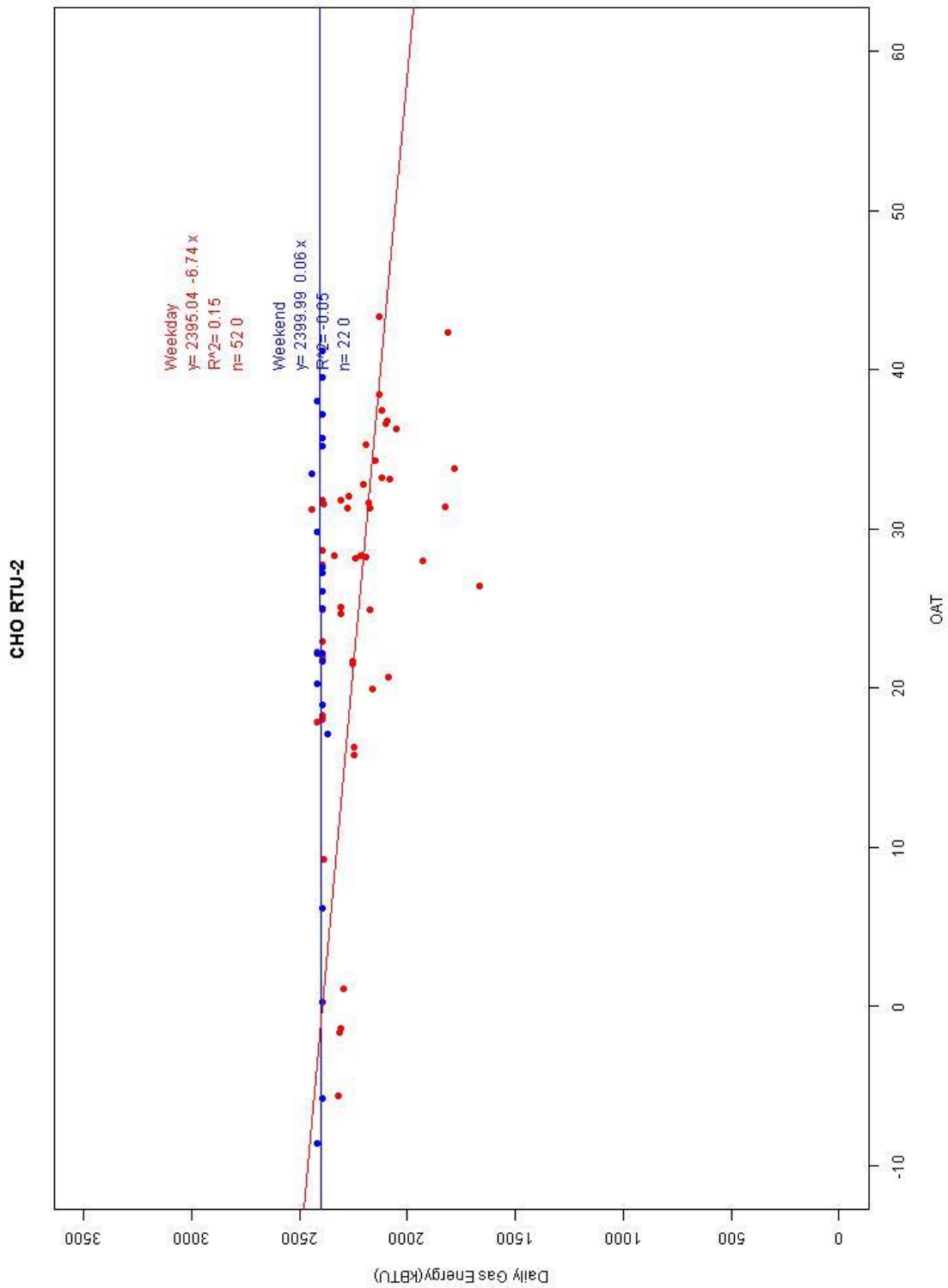


Figure 8: Site CHO RTU #3 Gas Model

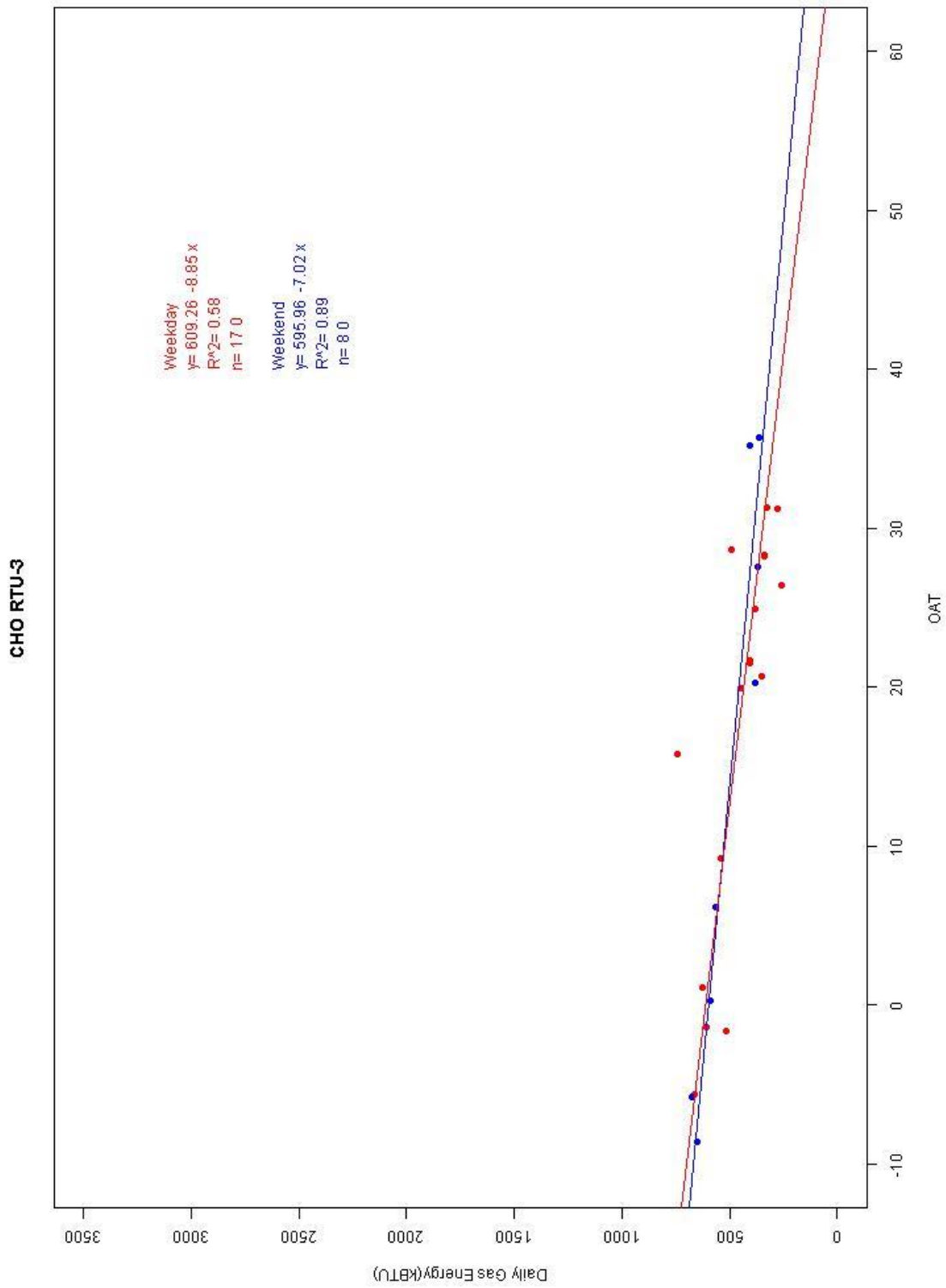


Figure 9: Site CHO RTU #4 Gas Model

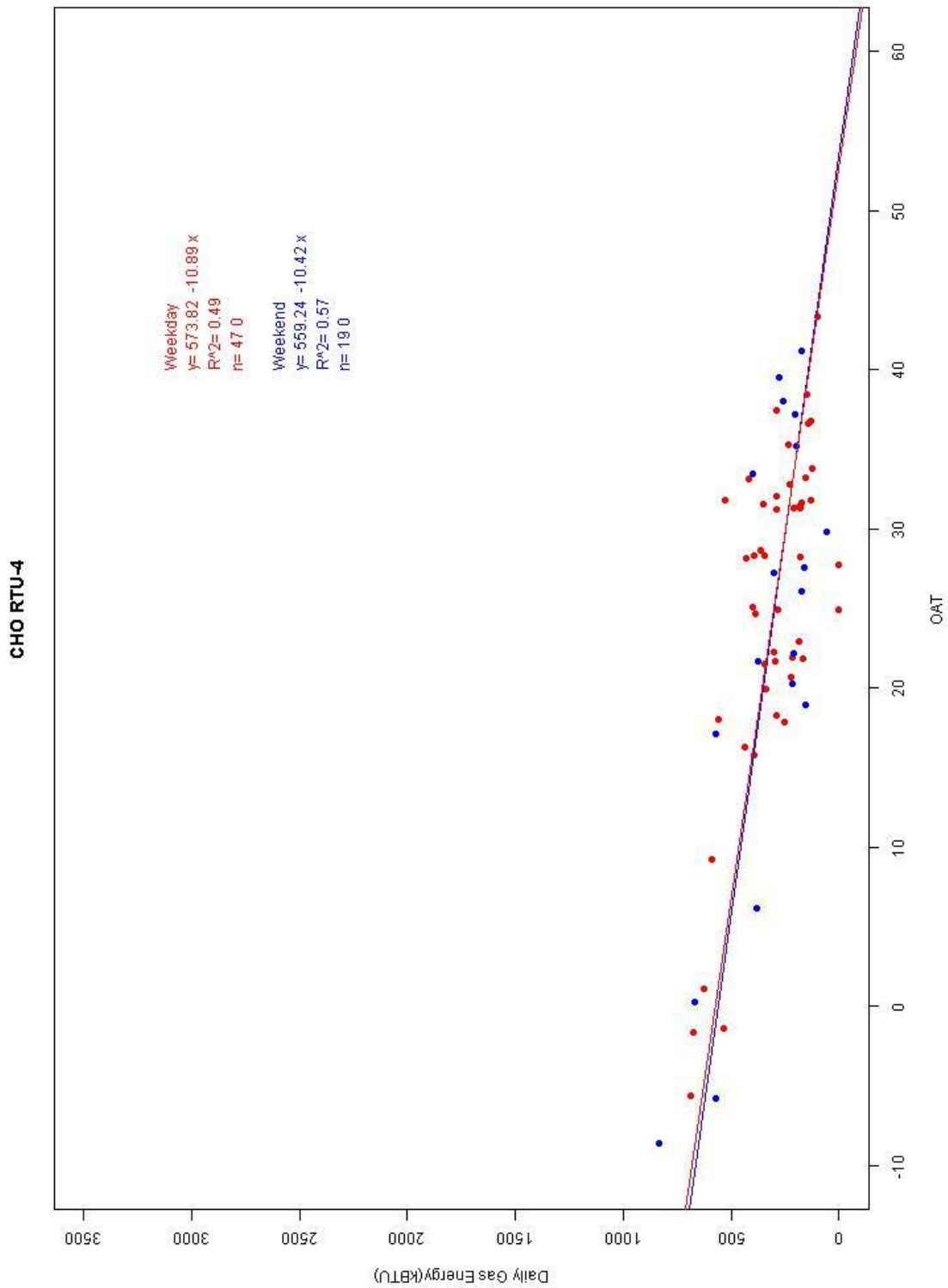


Figure 10: Site CWC Full Site Gas Model

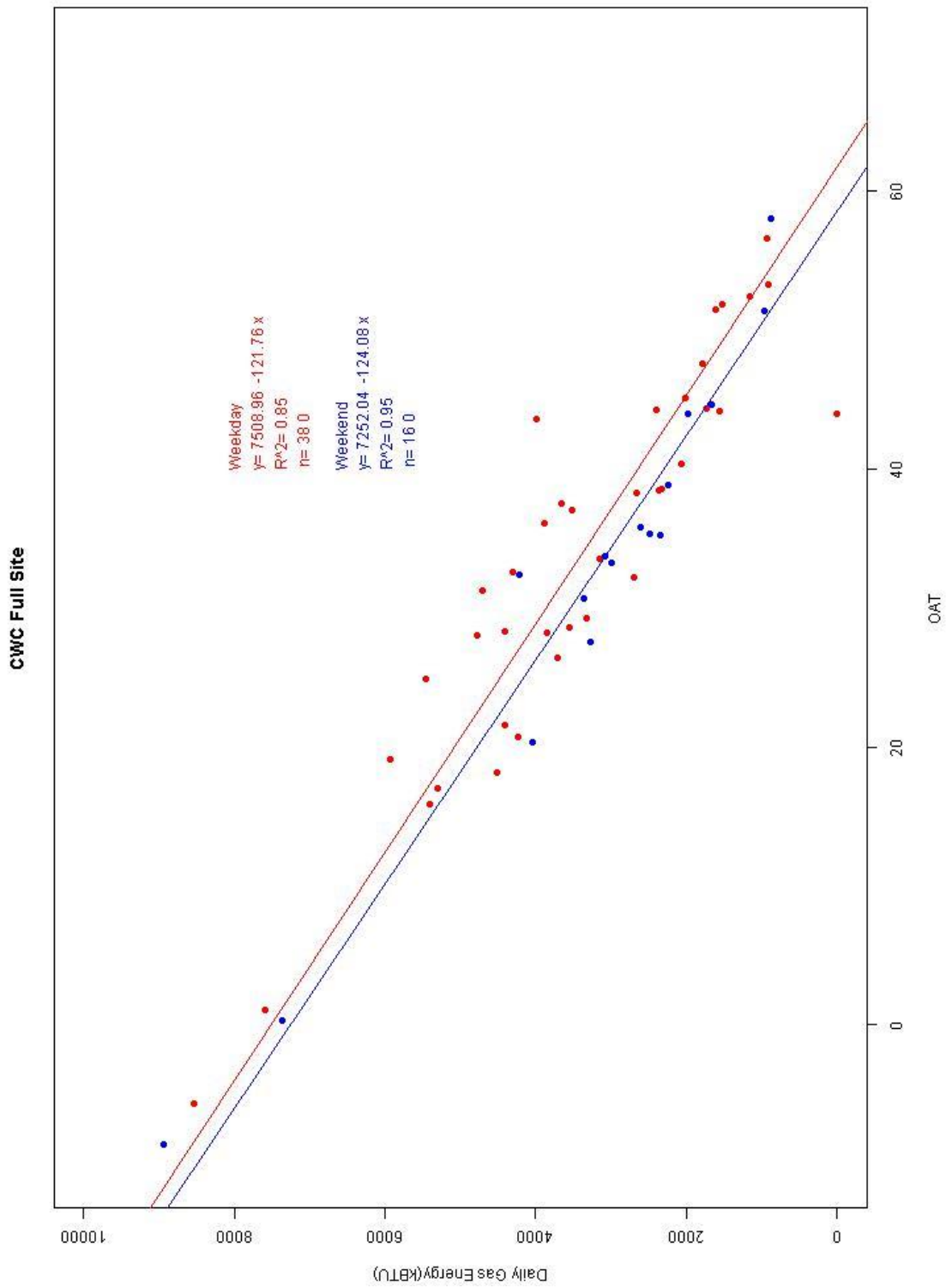


Figure 11: Site CWC RTU #1 Gas Model

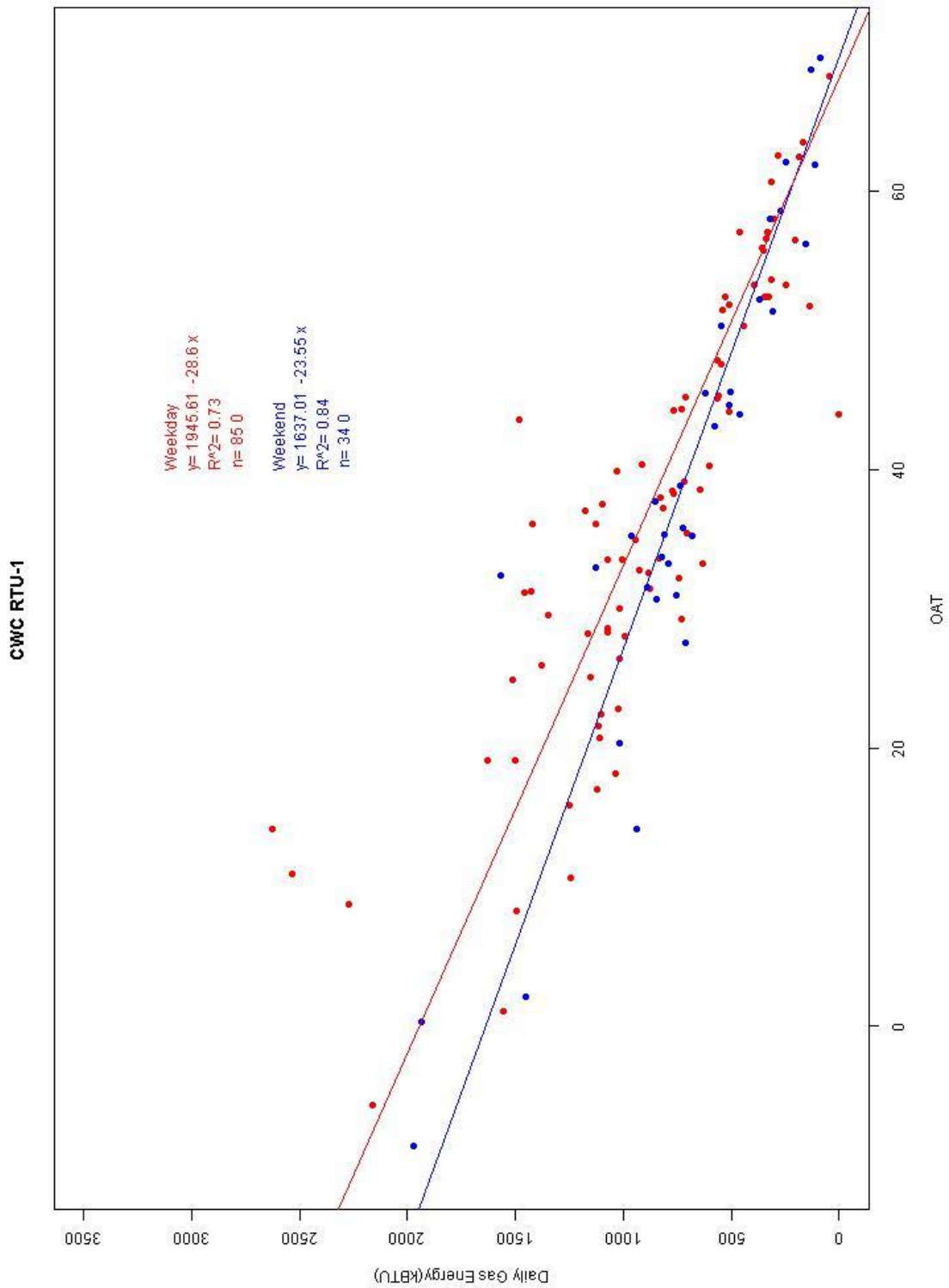


Figure 12: Site CWC RTU #2 Gas Model

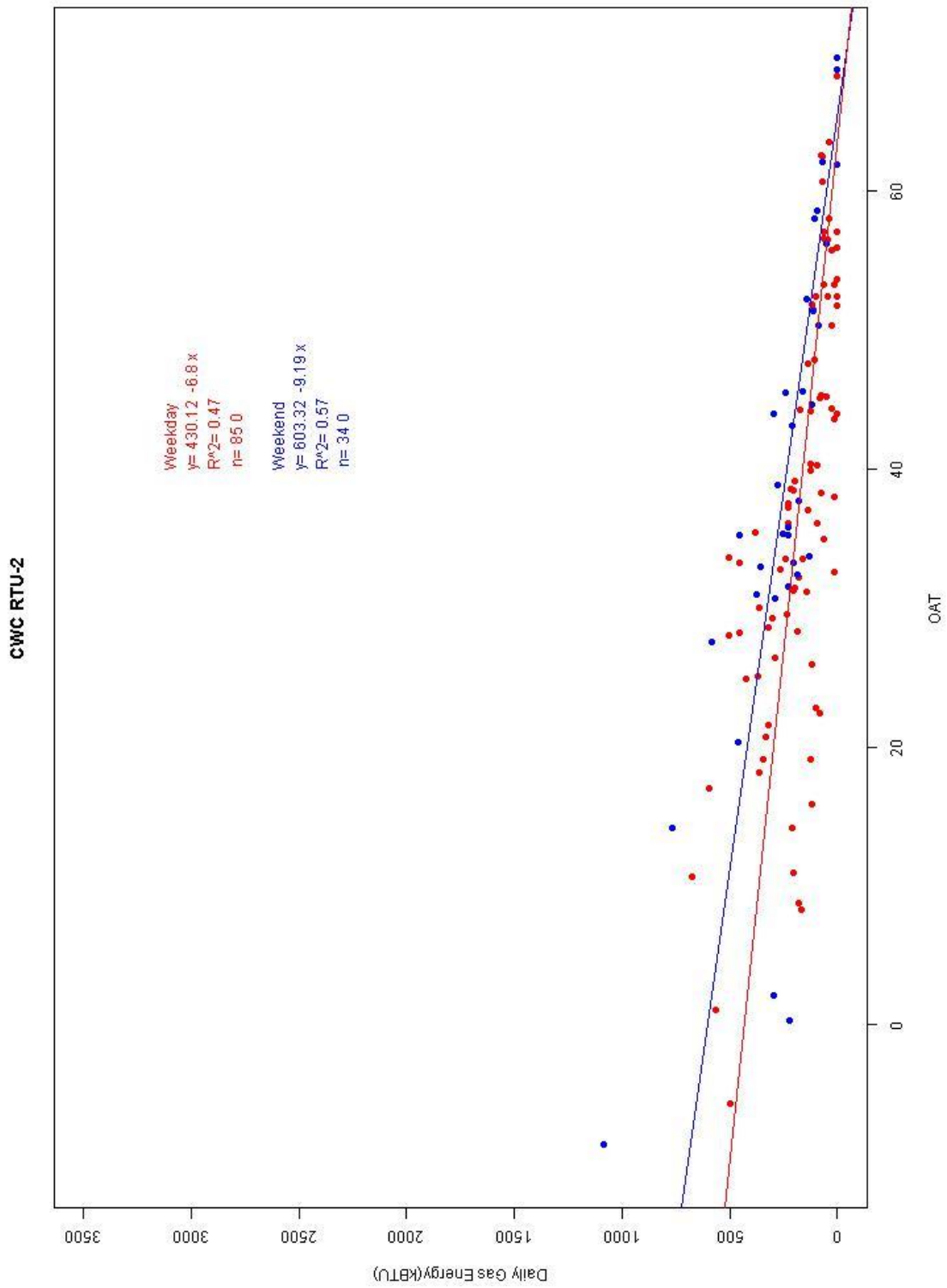


Figure 13: Site CWC RTU #3 Gas Model

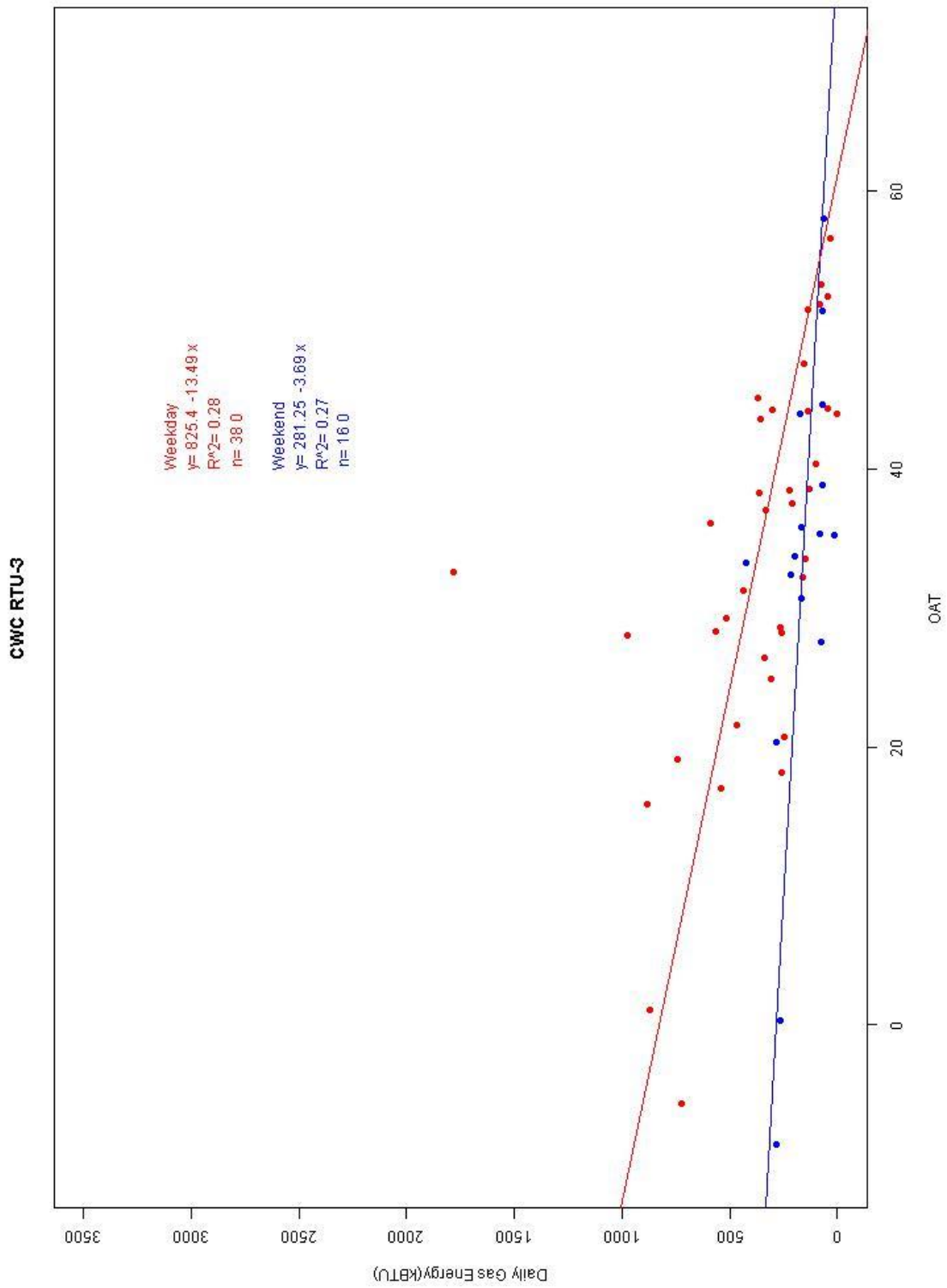


Figure 14: Site CWC RTU #4 Gas Model

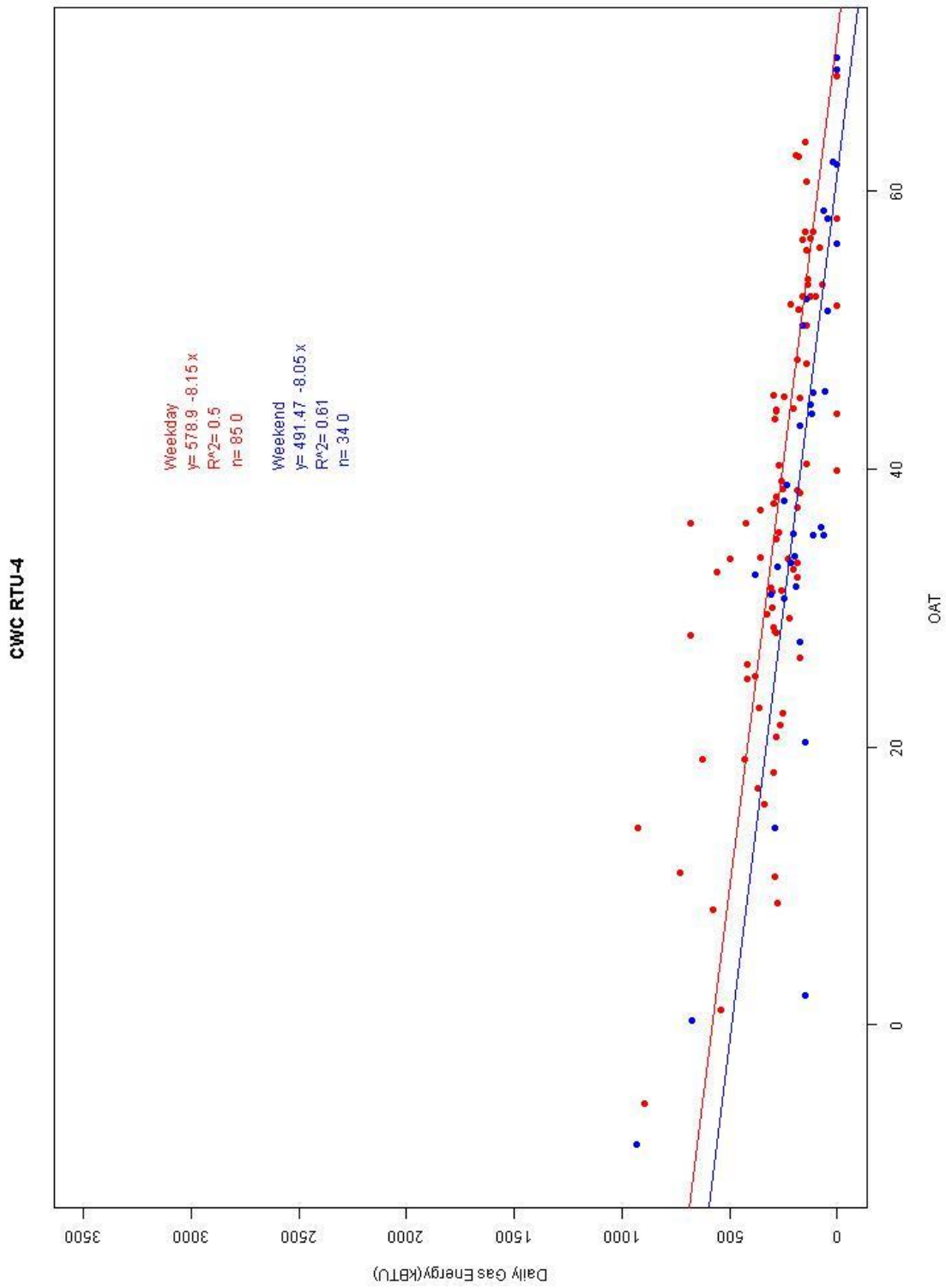


Figure 15: Site CWC RTU #5 Gas Model

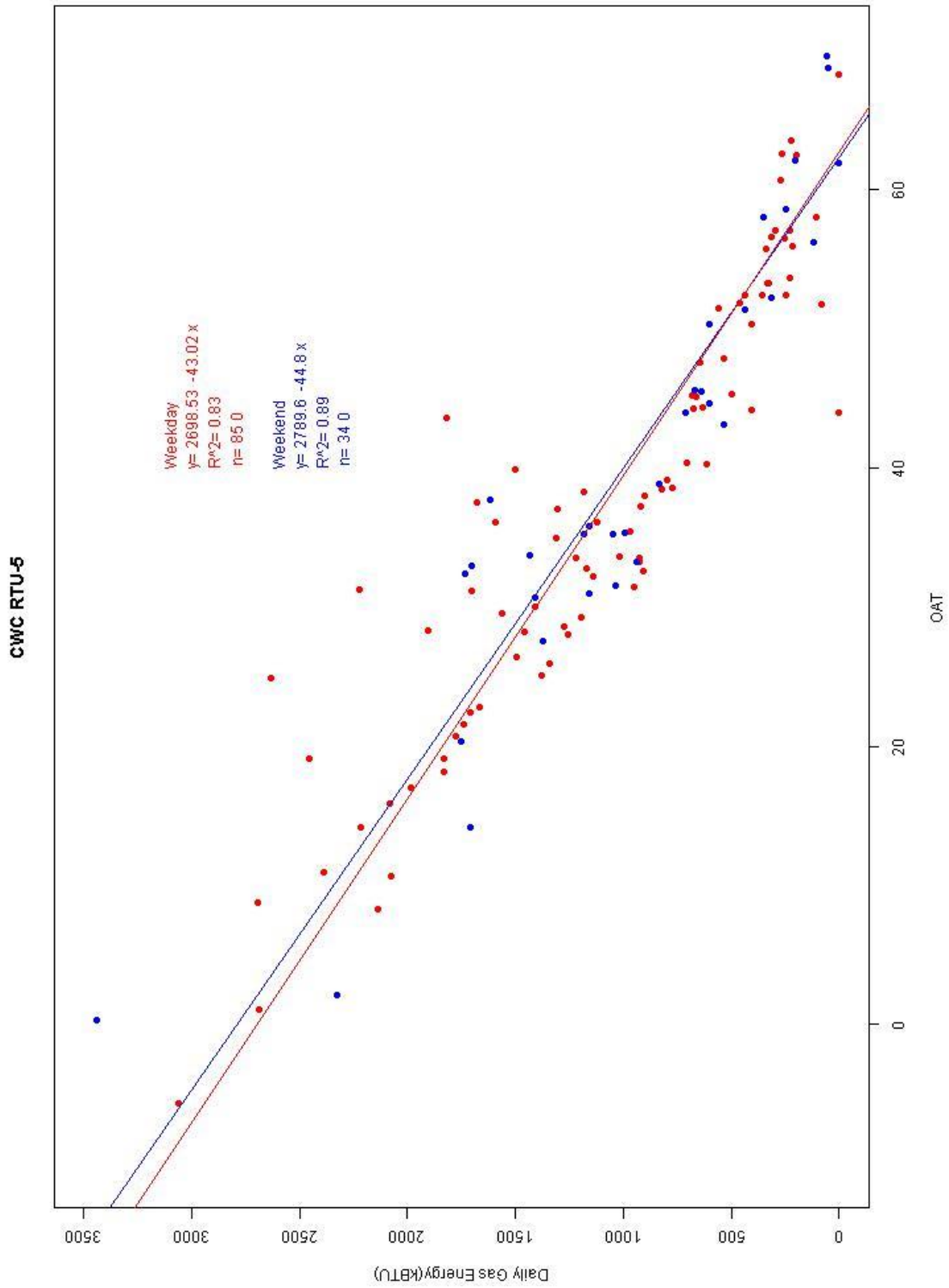


Figure 16: Site CWC RTU #6 Gas Model

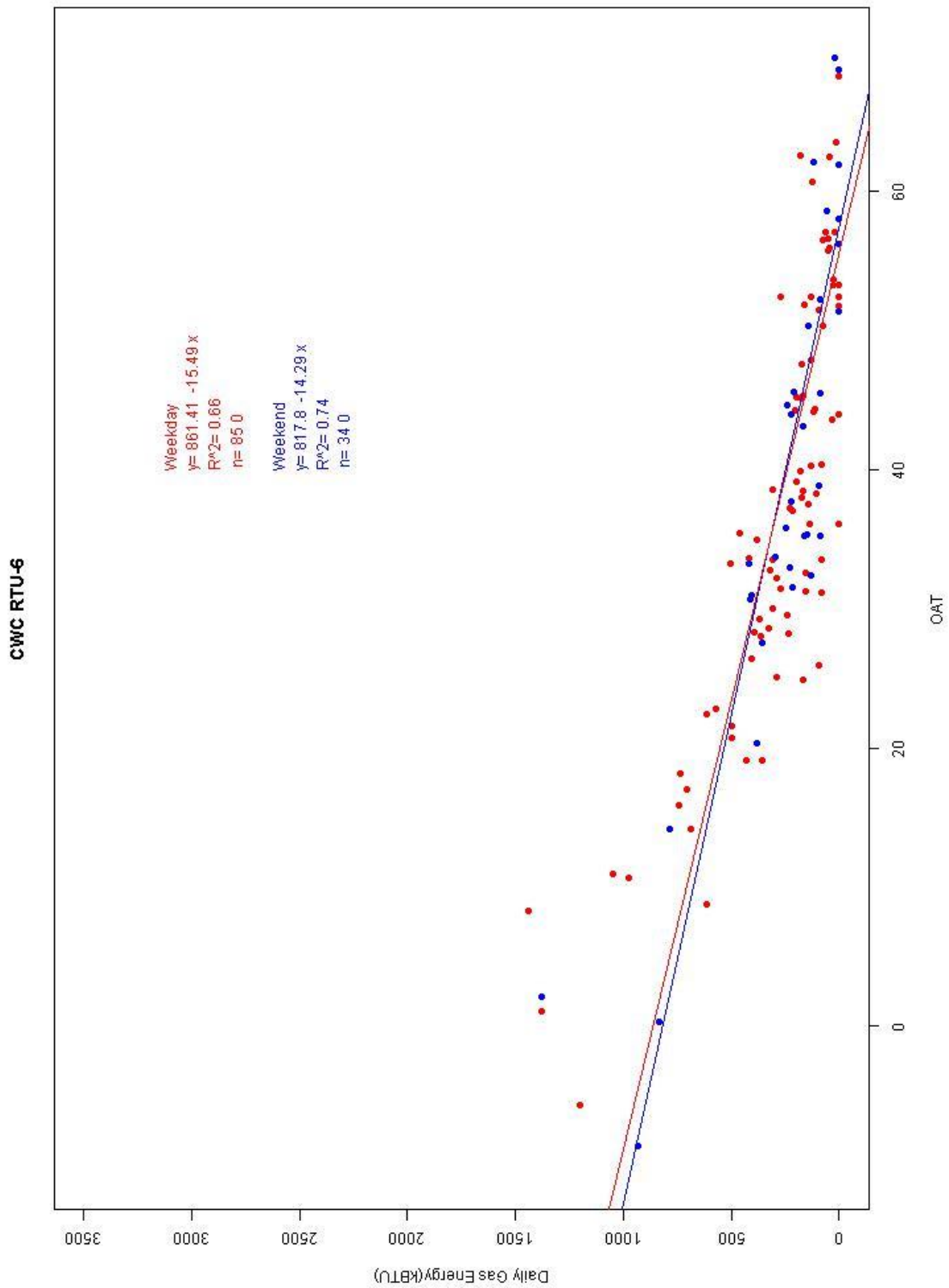


Figure 17: Site DAV Full Site Gas Model

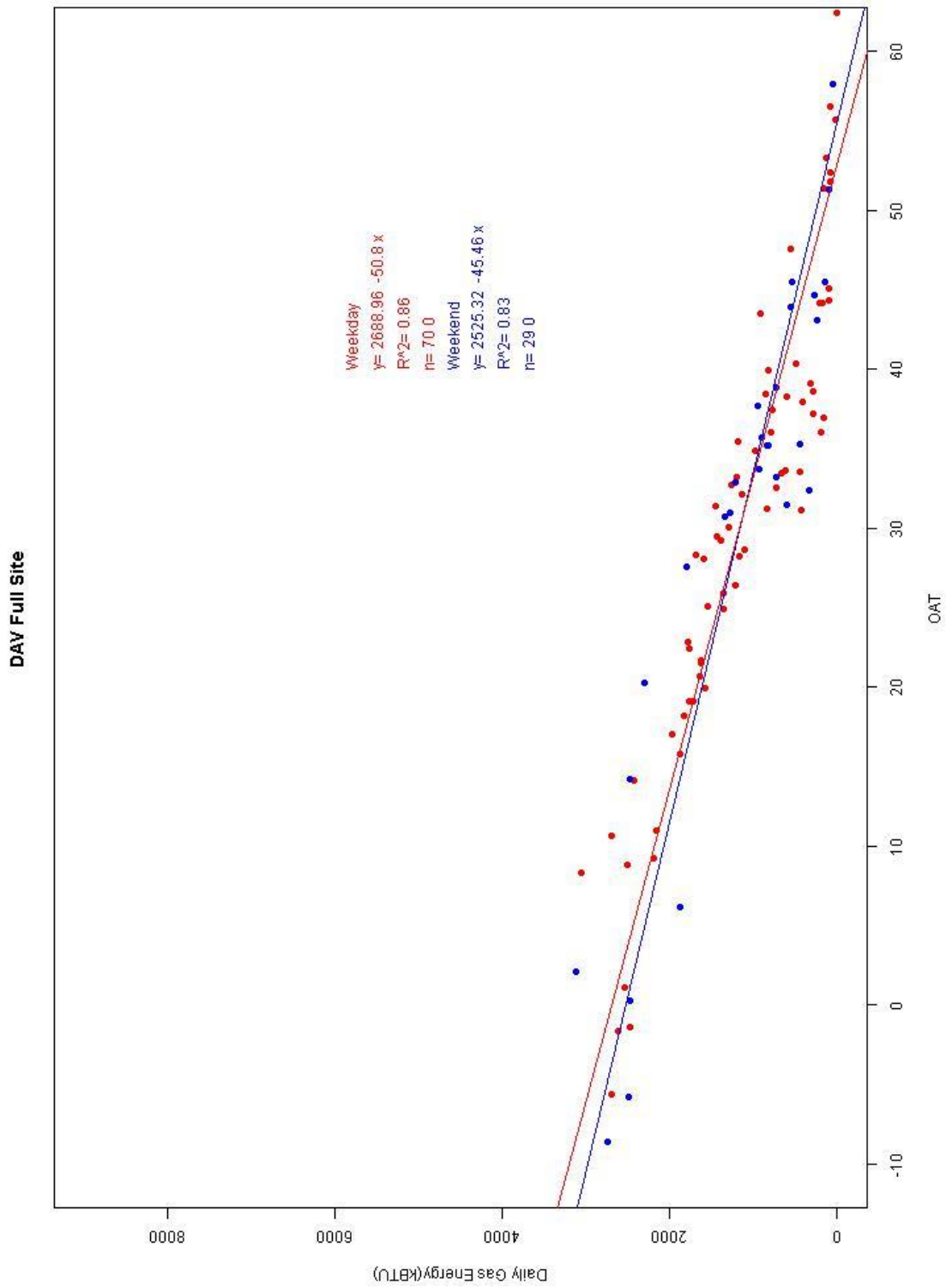


Figure 18: Site DAV RTU #1 Gas Model

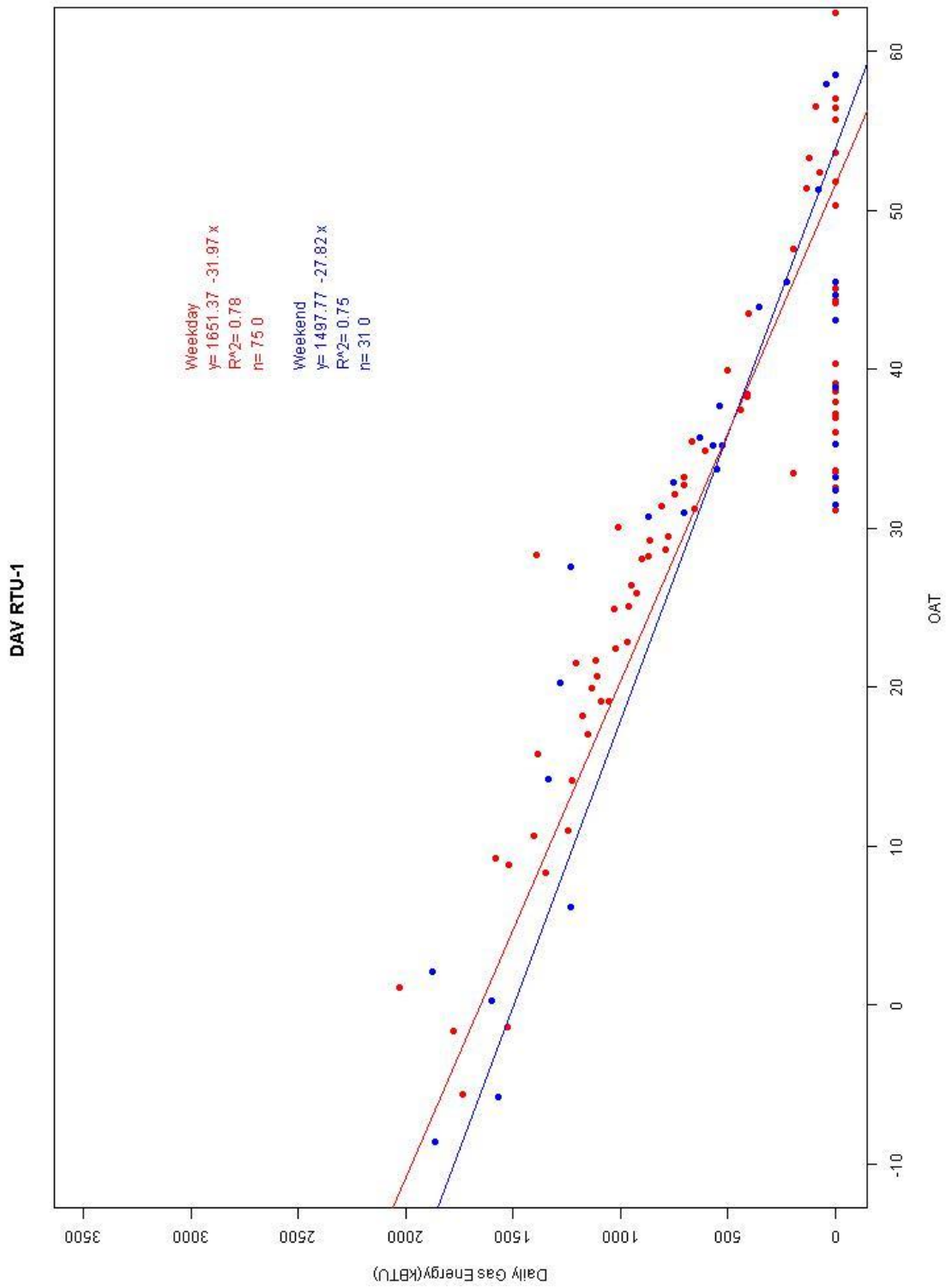


Figure 19: Site DAV RTU #2 Gas Model

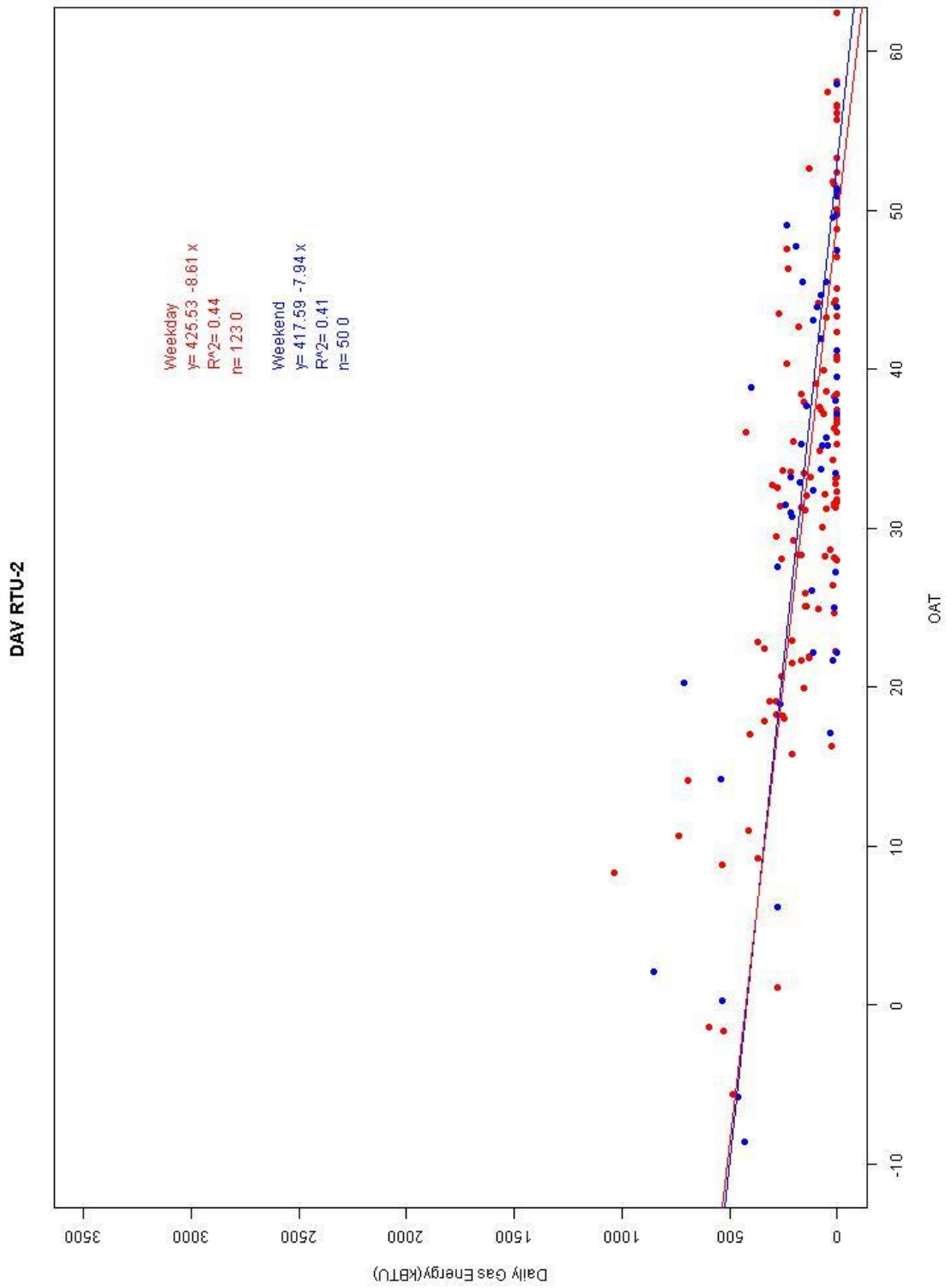


Figure 20: Site DAV RTU #3 Gas Model

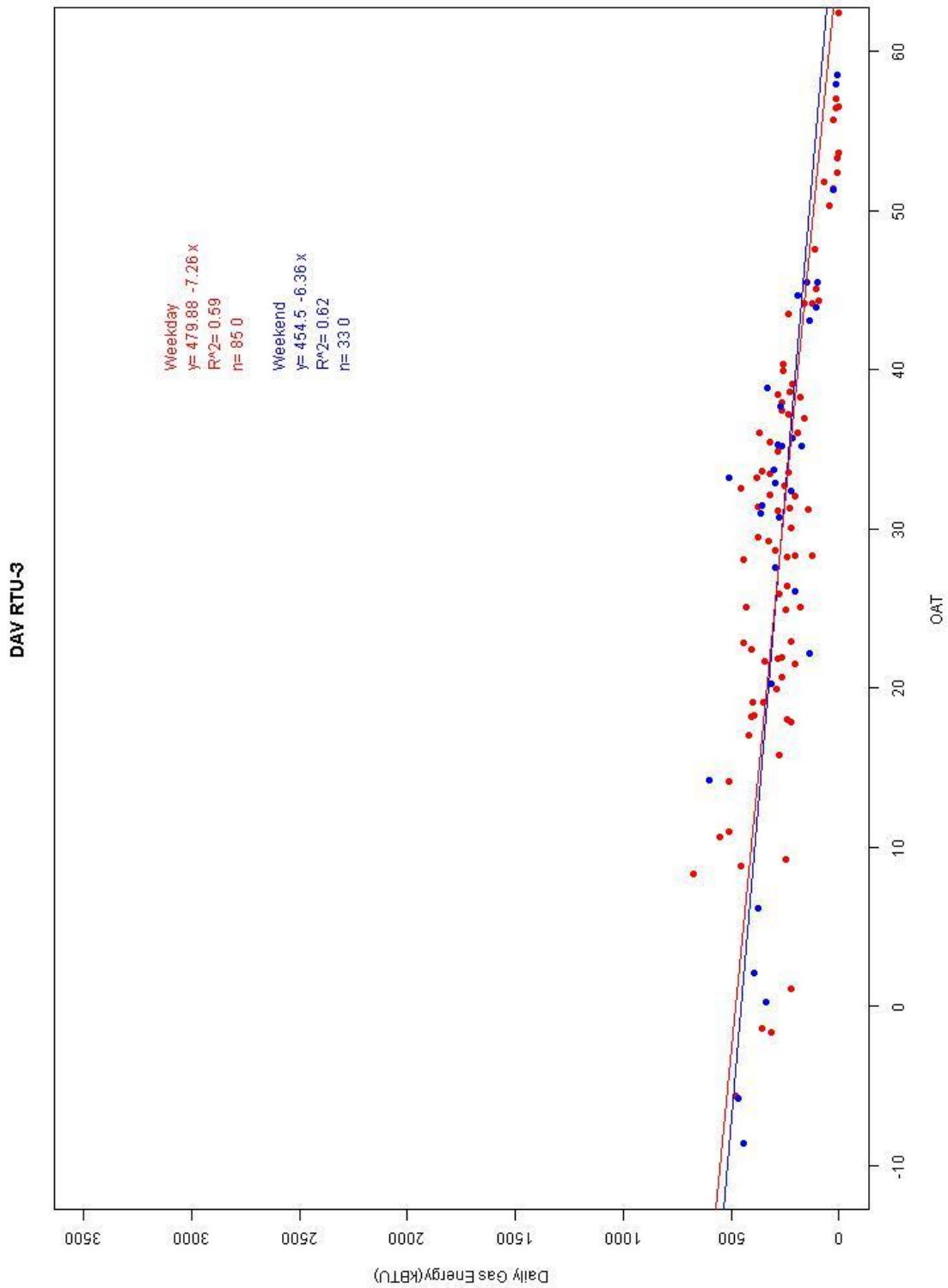


Figure 21: Site NUR Full Site Gas Model

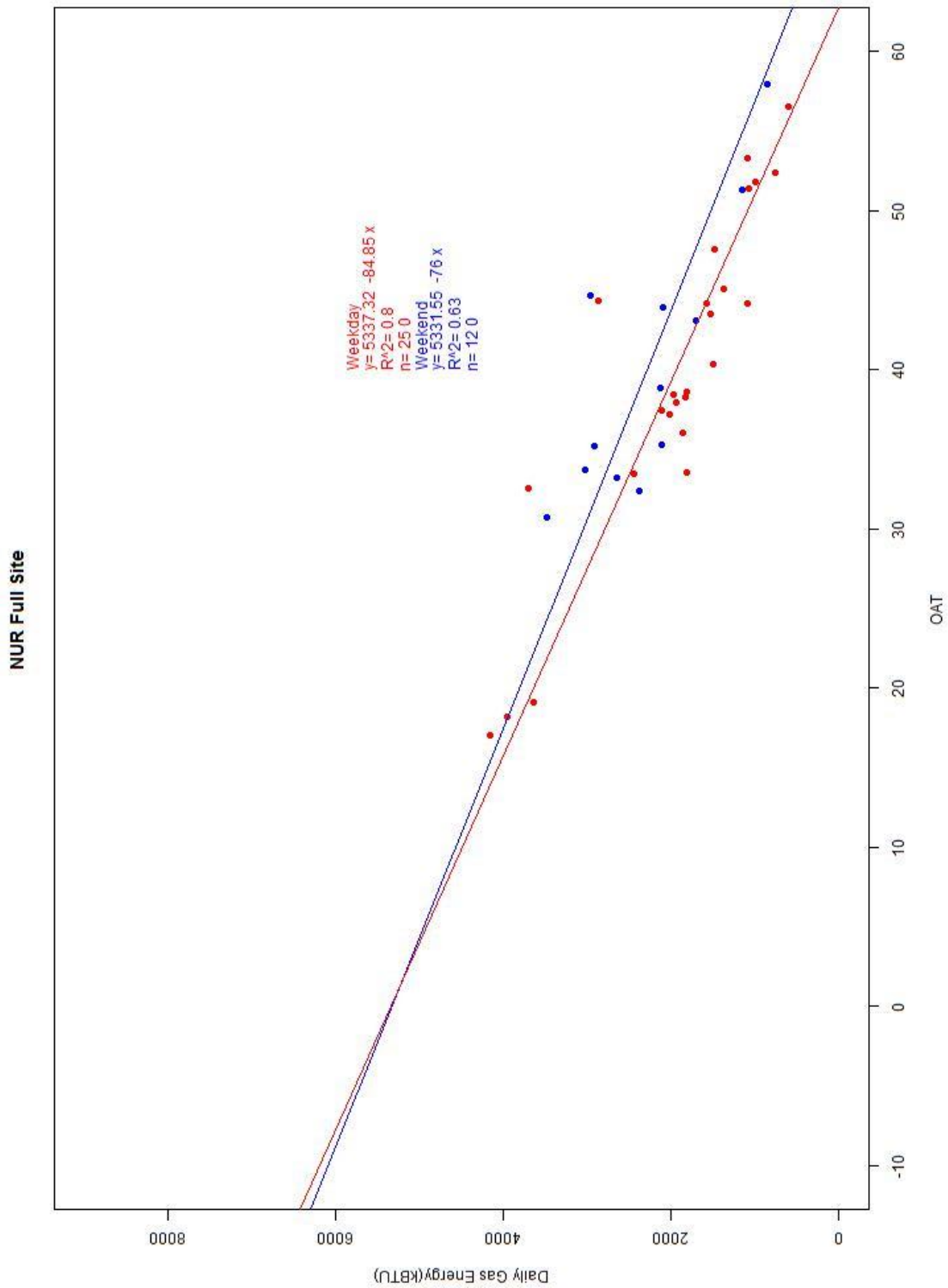


Figure 22: Site NUR RTU #1 Gas Model

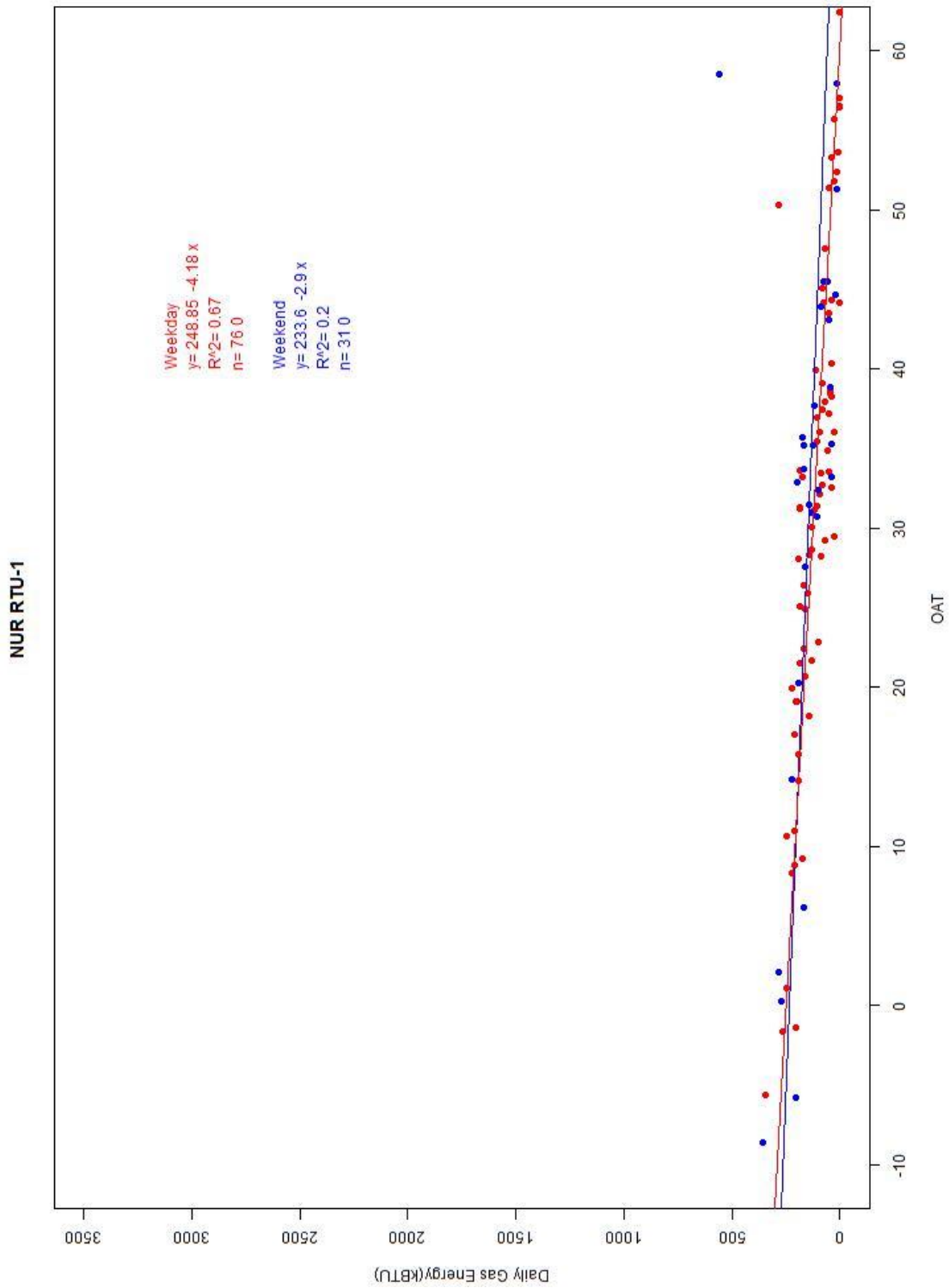


Figure 23: Site NUR RTU #3 Gas Model

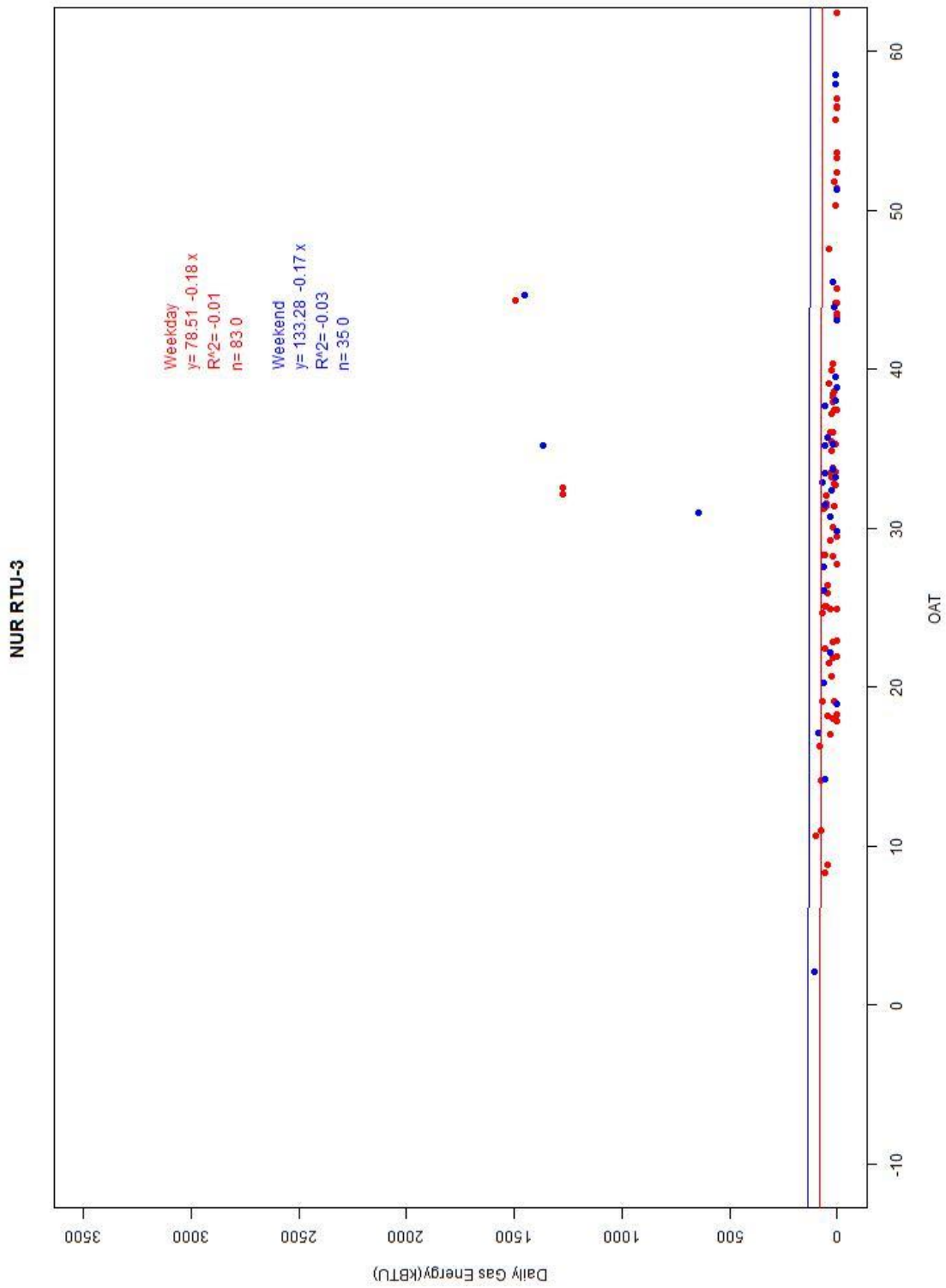


Figure 24: Site NUR RTU #4 Gas Model

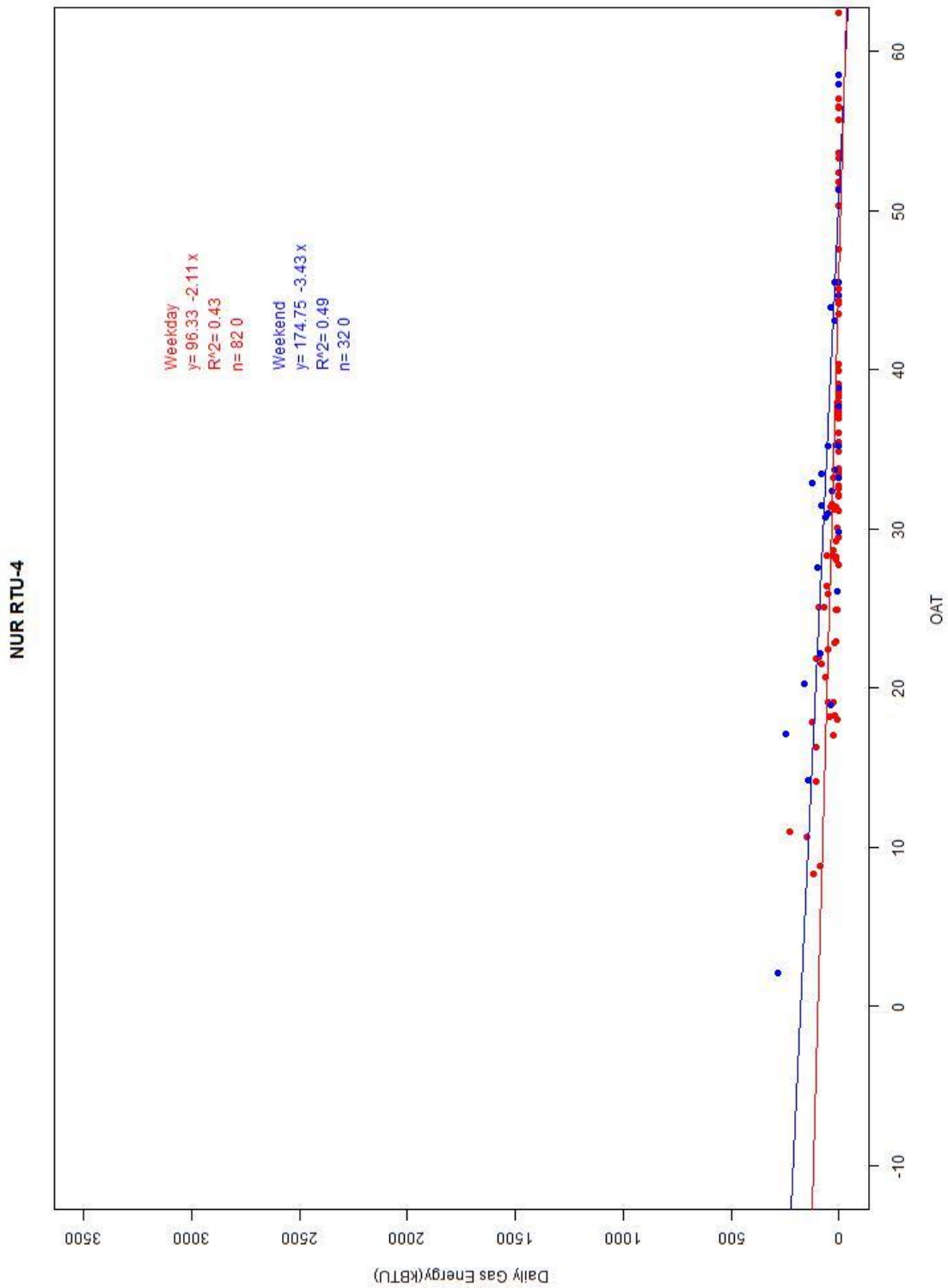


Figure 25: Site NUR RTU #5 Gas Model

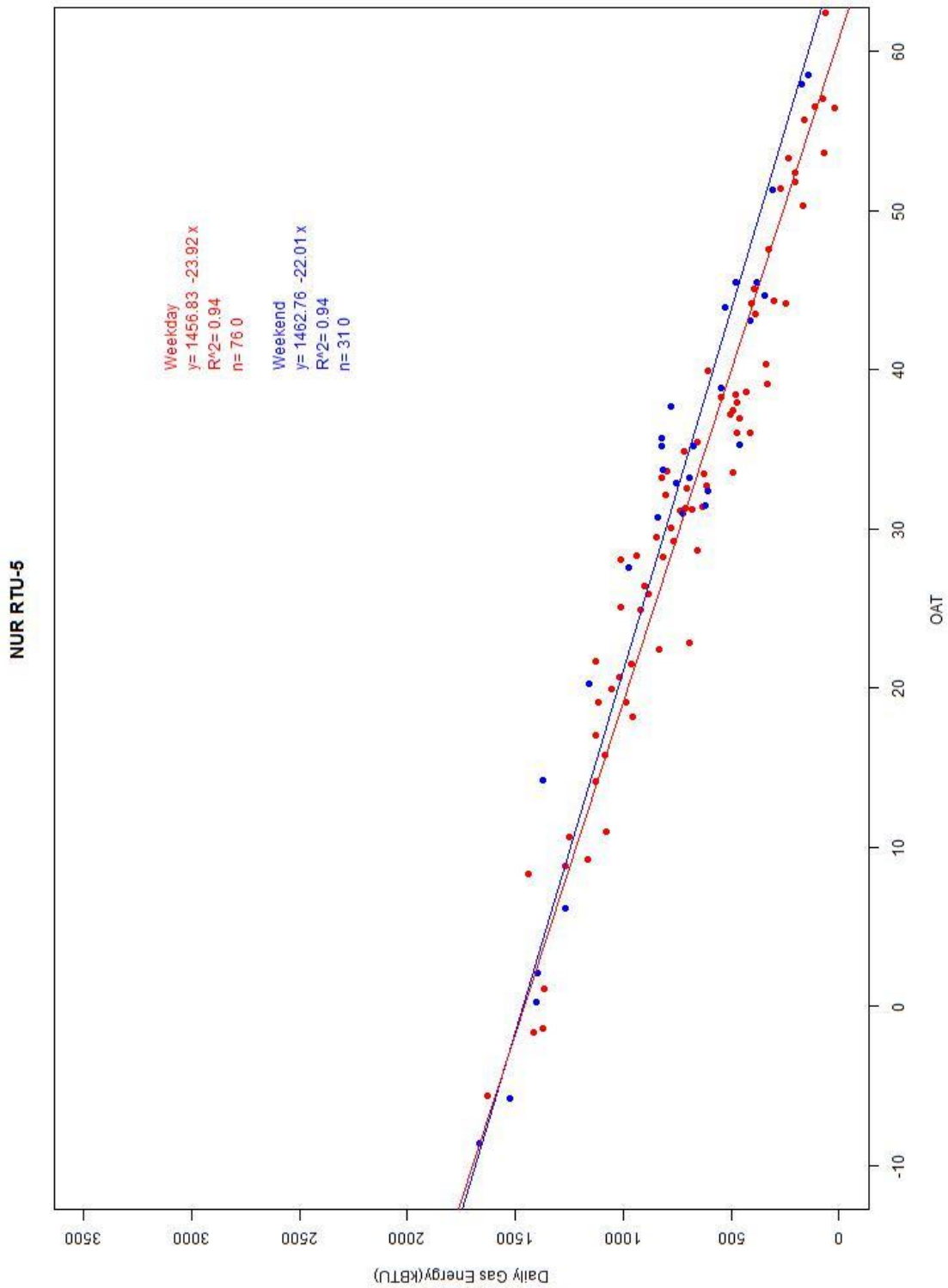


Figure 26: Site NUR RTU #6 Gas Model

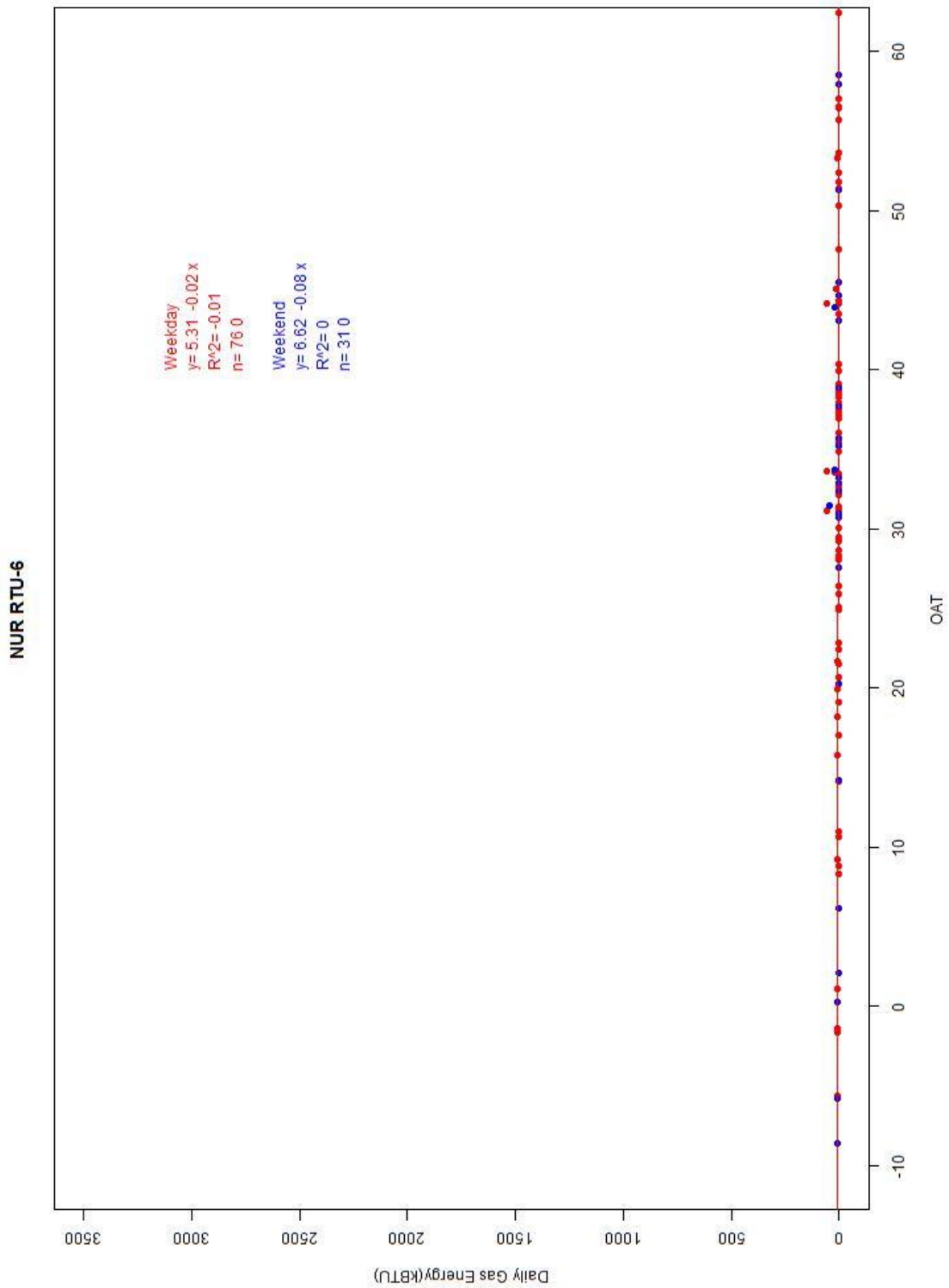


Figure 27: Site NUR RTU #7 Gas Model

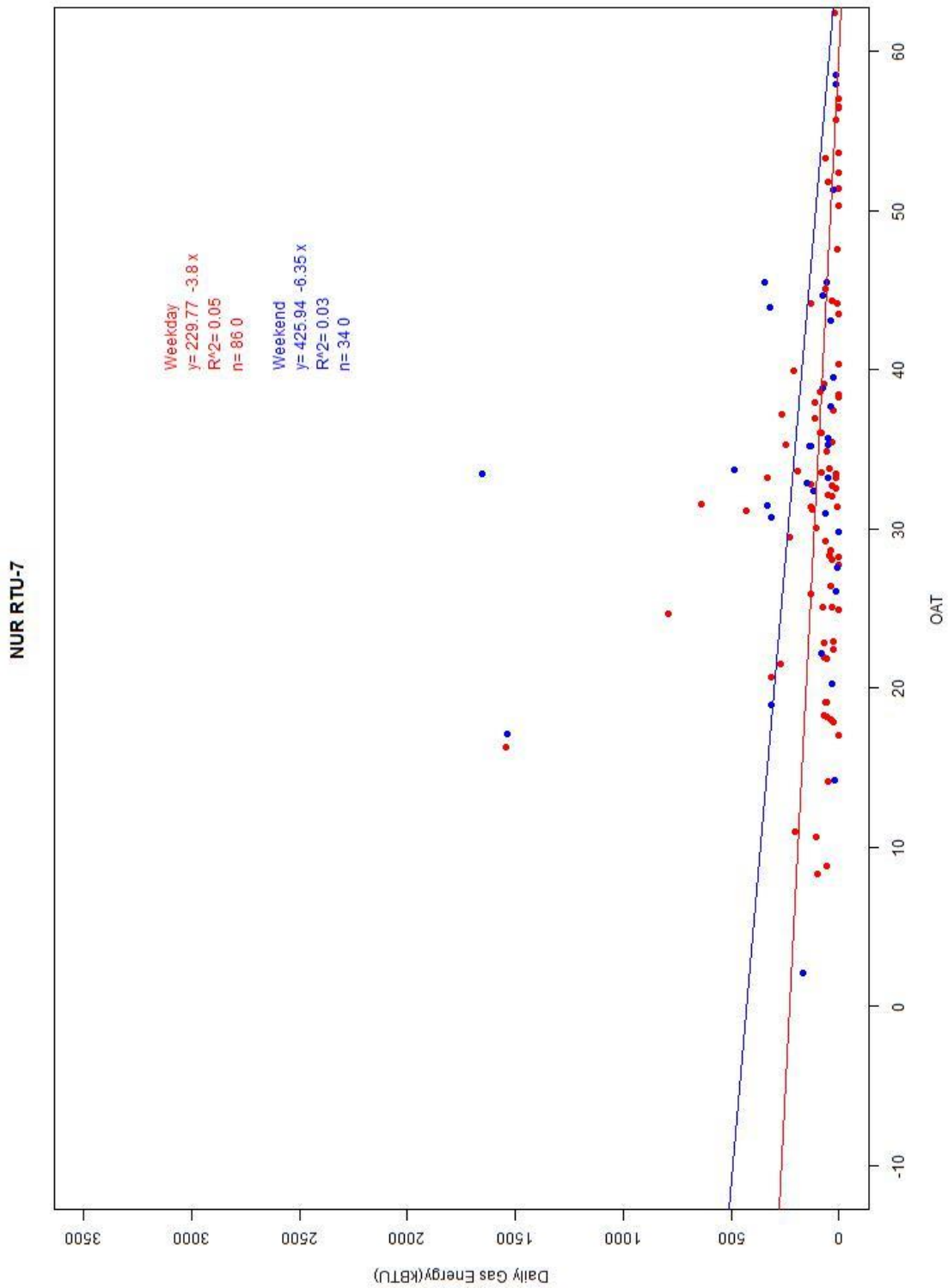


Figure 28: Site NUR RTU #8 Gas Model

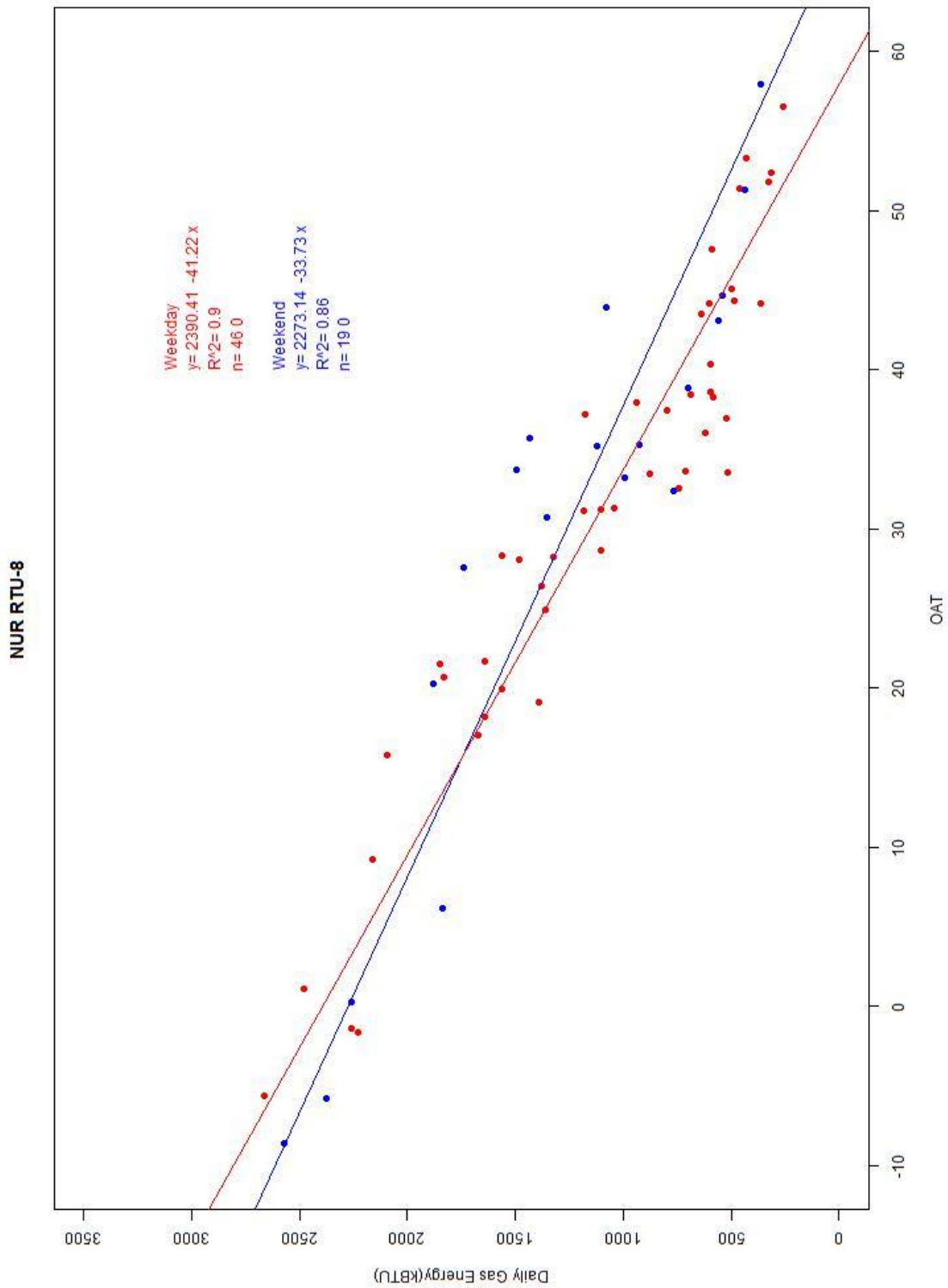


Figure 29: Site NUR RTU #9 Gas Model

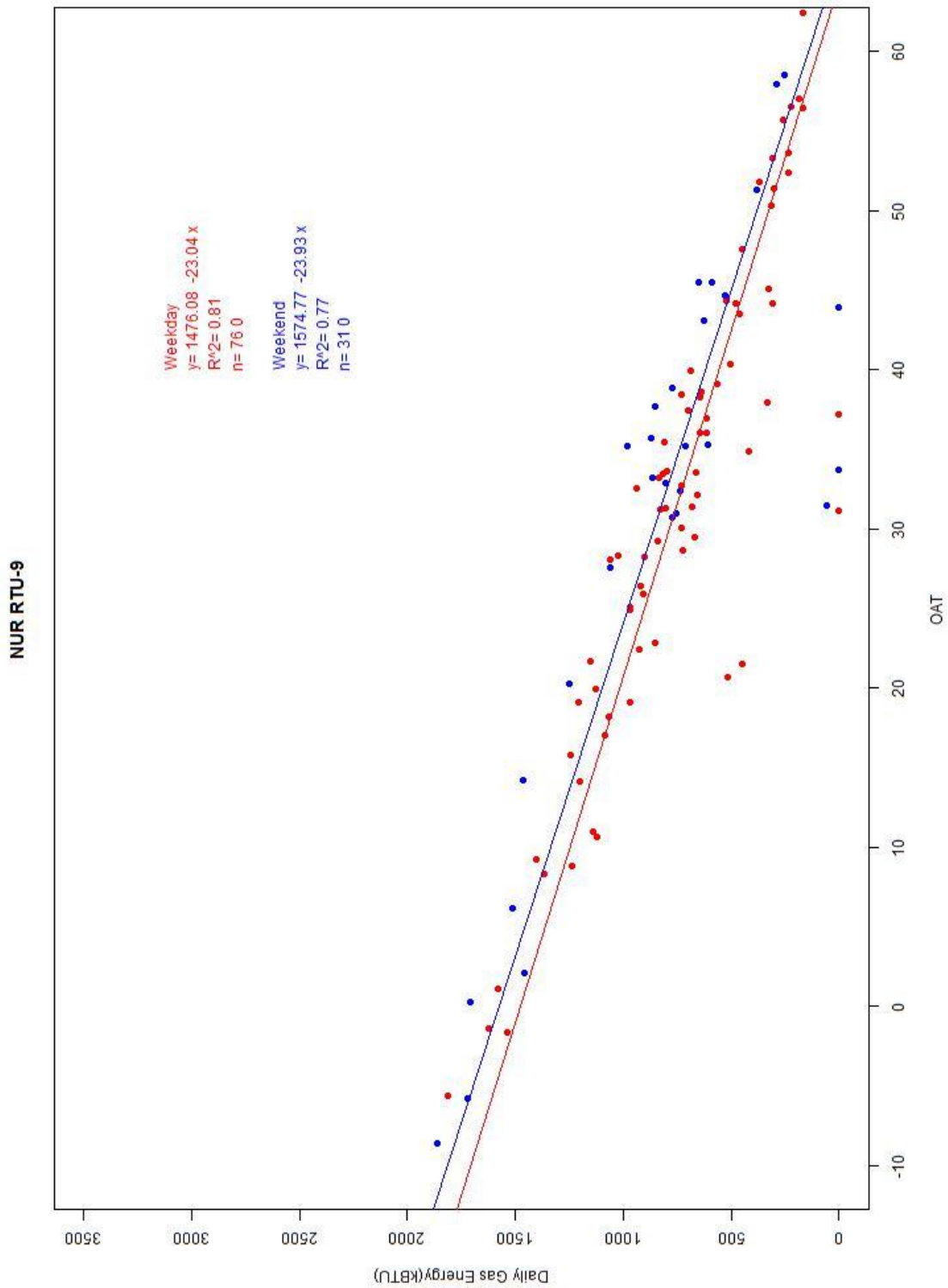


Figure 30: Site OUT Full Site Gas Model

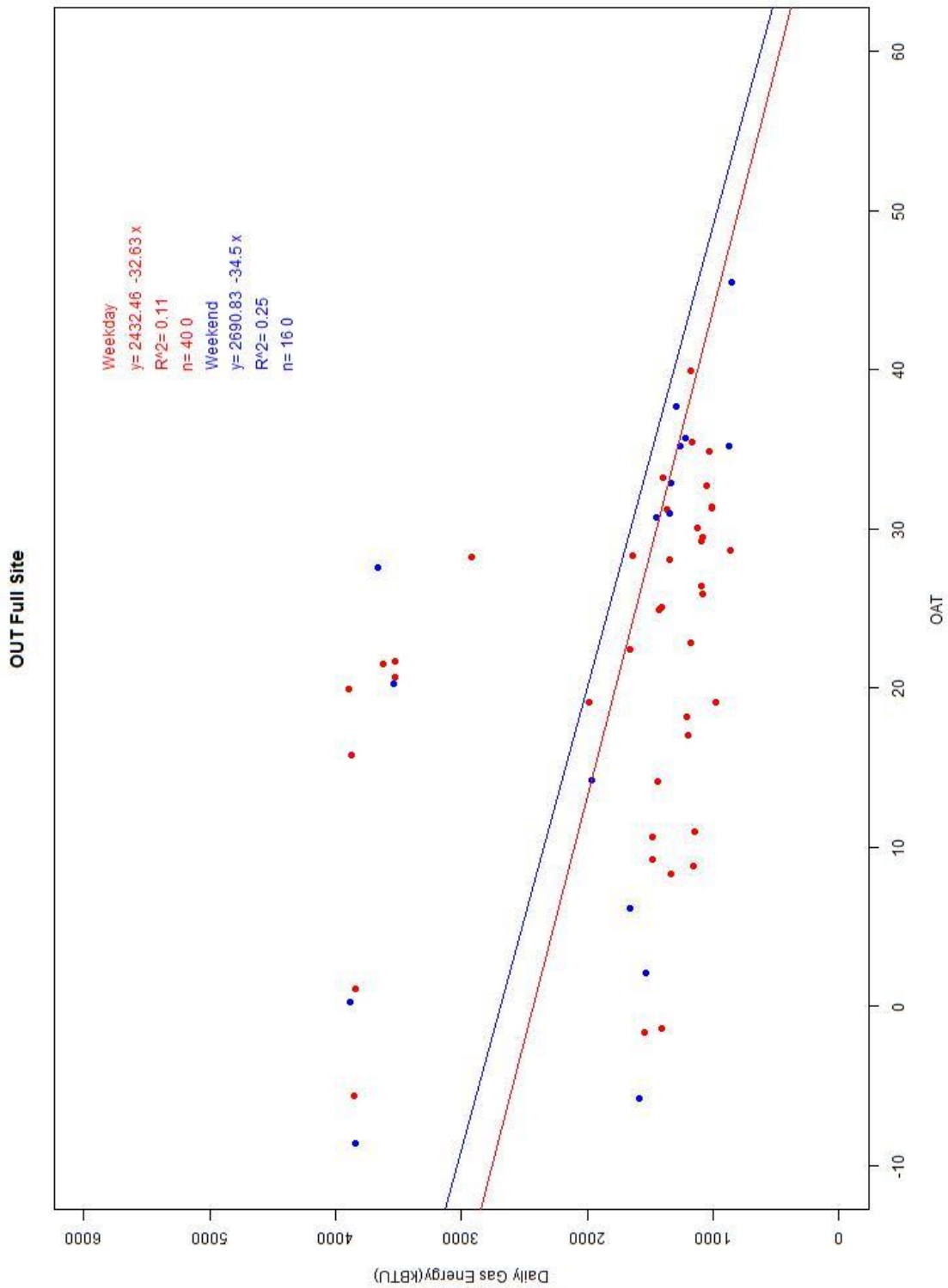


Figure 31: Site OUT RTU #1 Gas Model

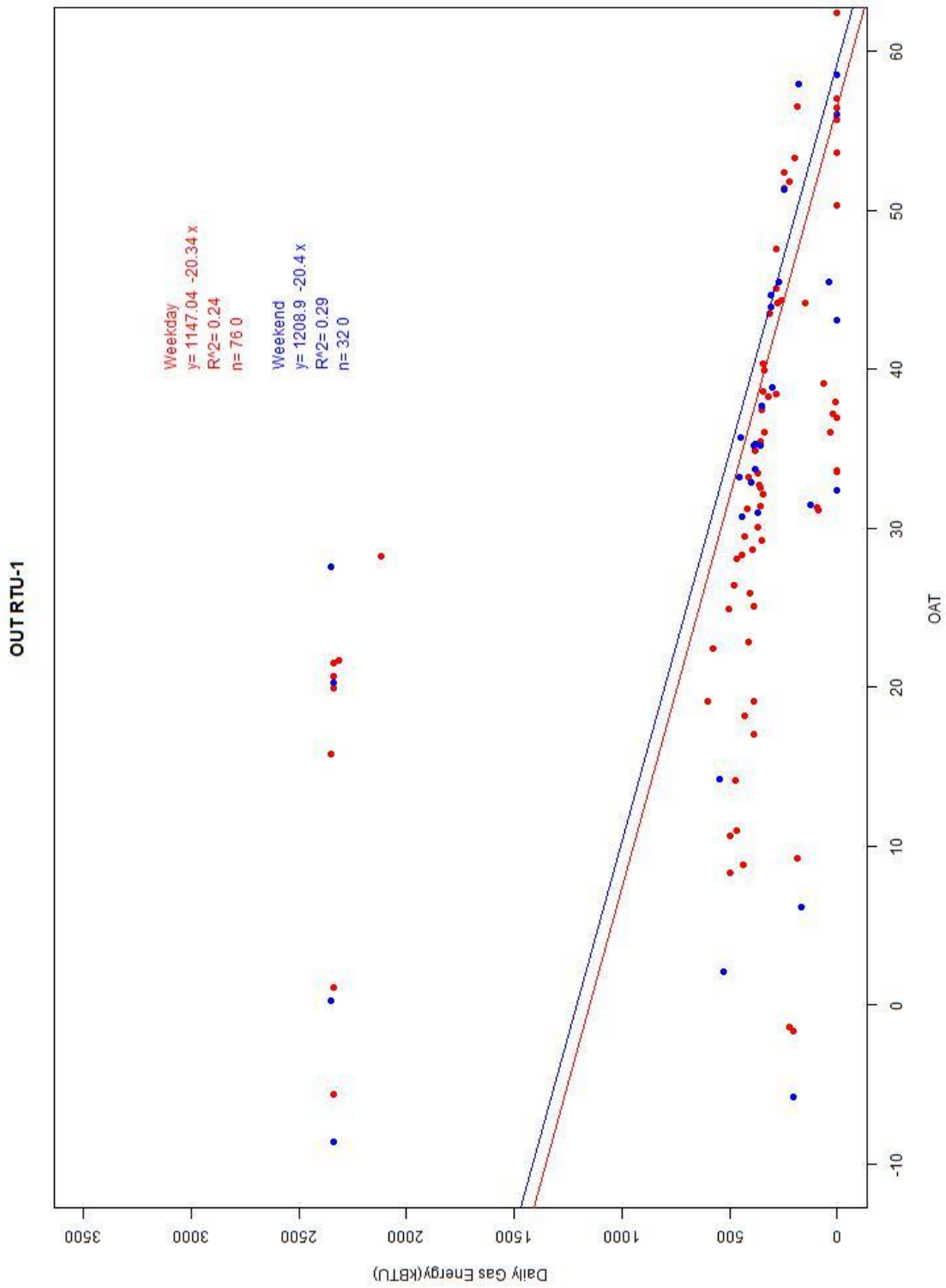


Figure 32: Site OUT RTU #2 Gas Model

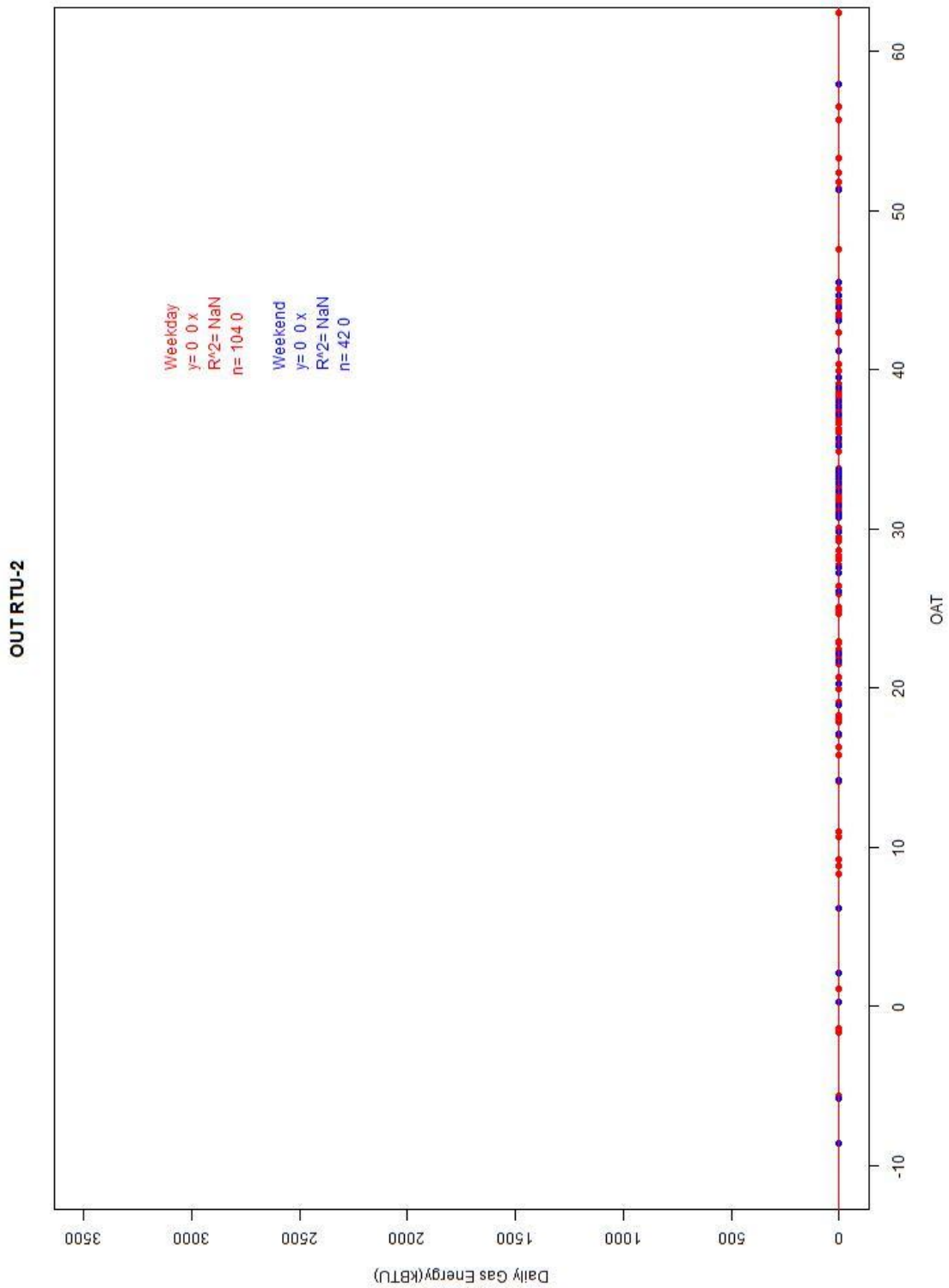


Figure 33: Site OUT RTU #3 Gas Model

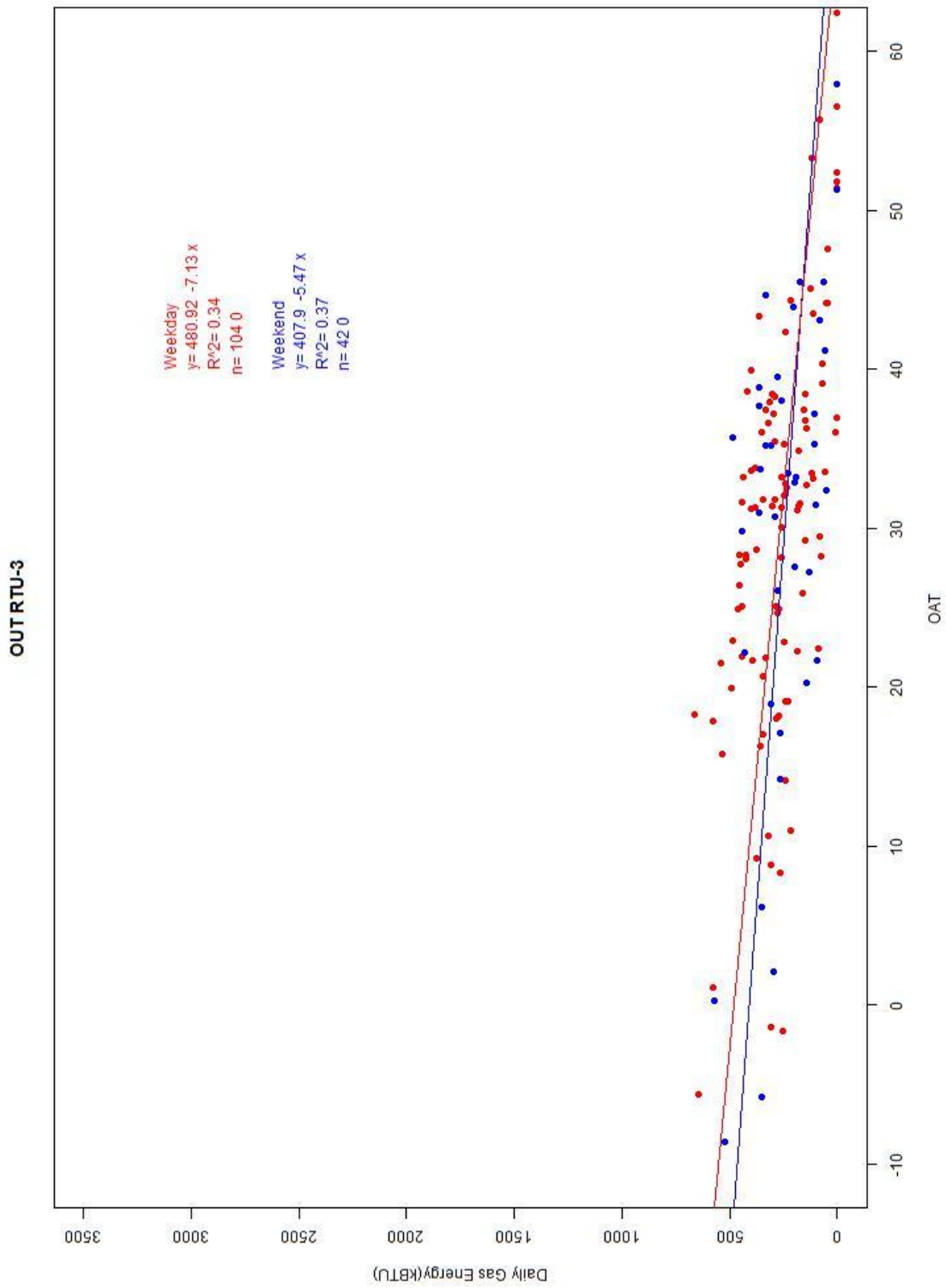


Figure 34: Site OUT RTU #4 Gas Model

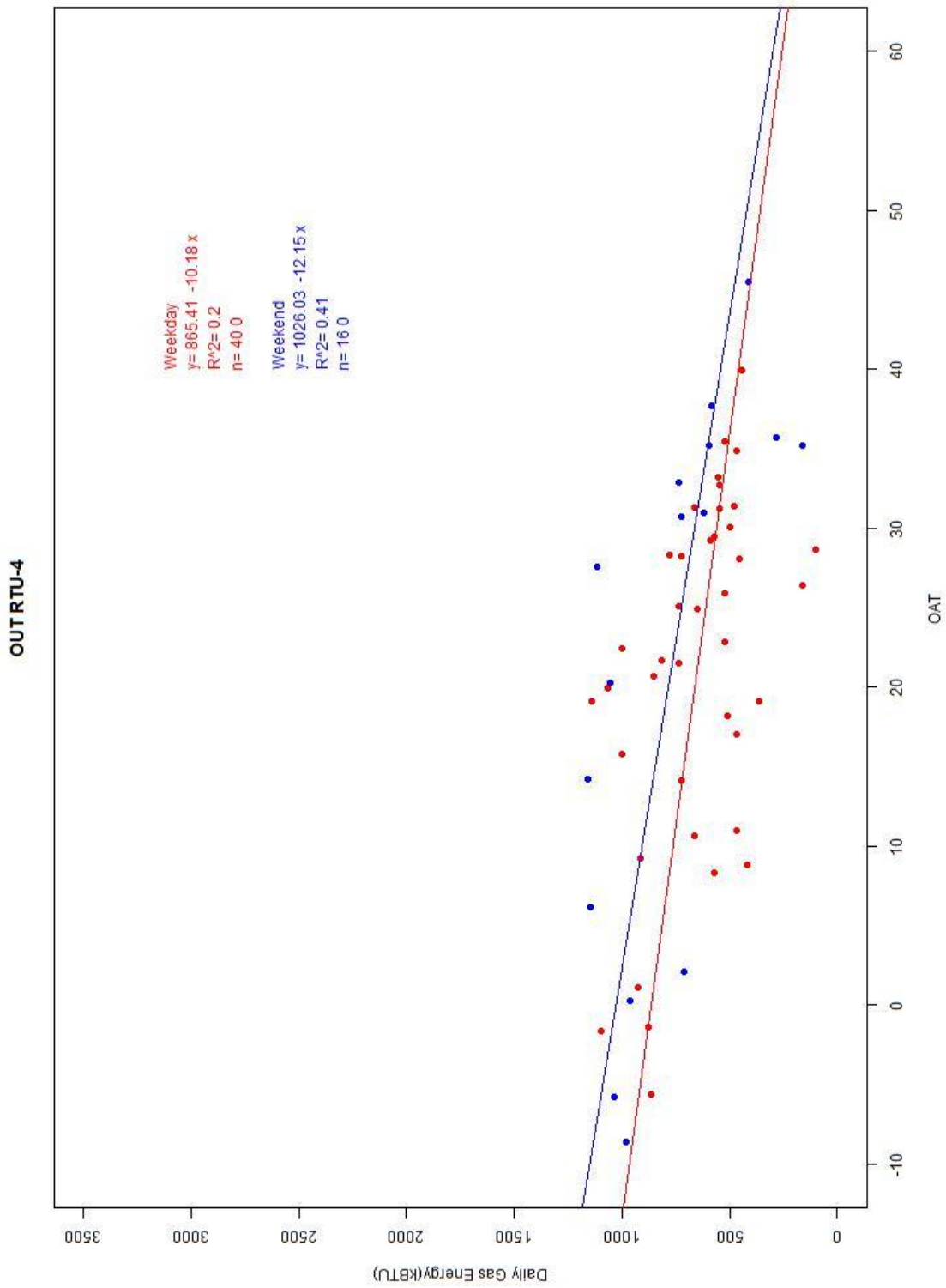


Figure 35: Site SEW Full Site Gas Model

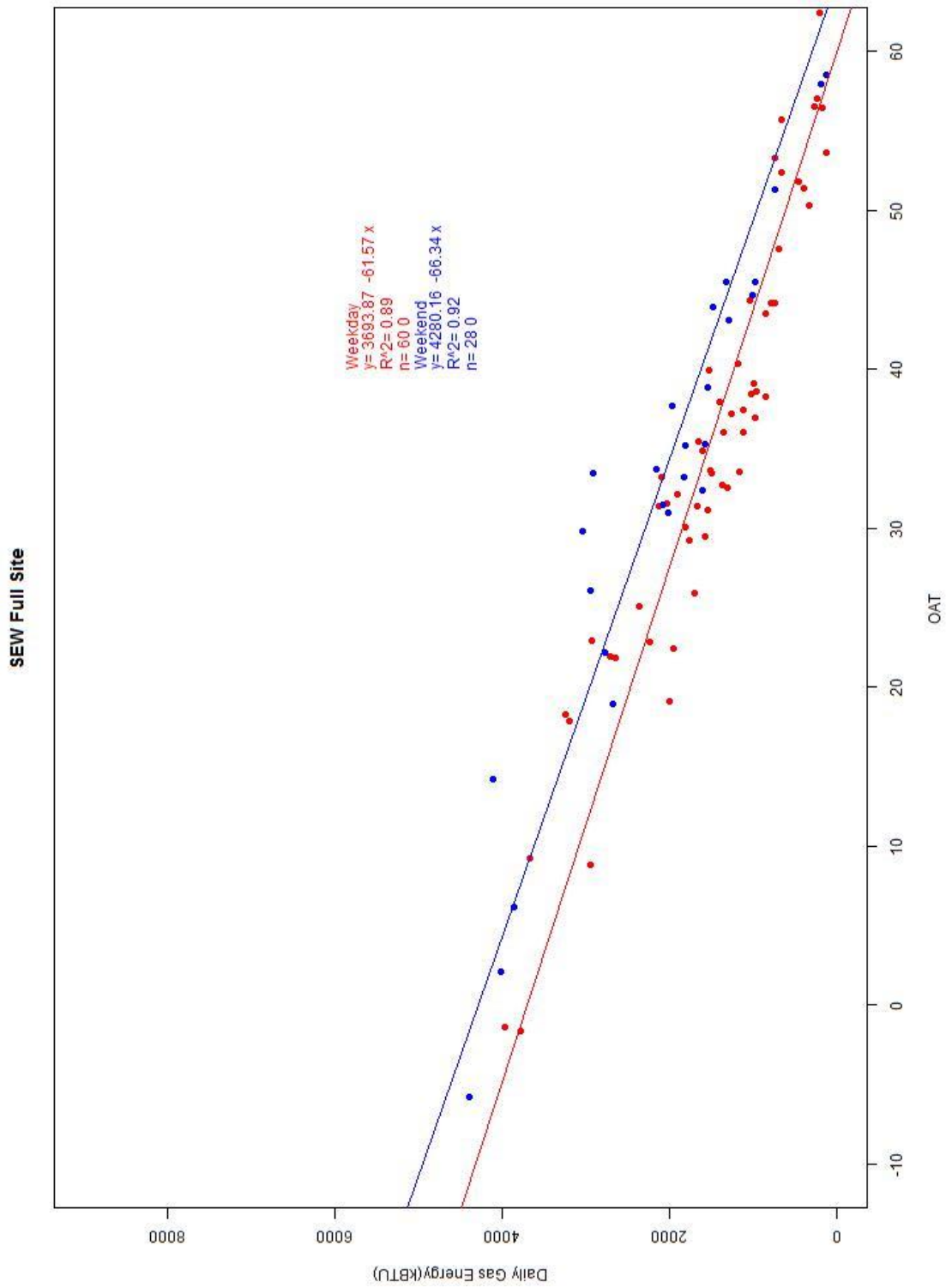


Figure 36: Site SEW RTU #1 Gas Model

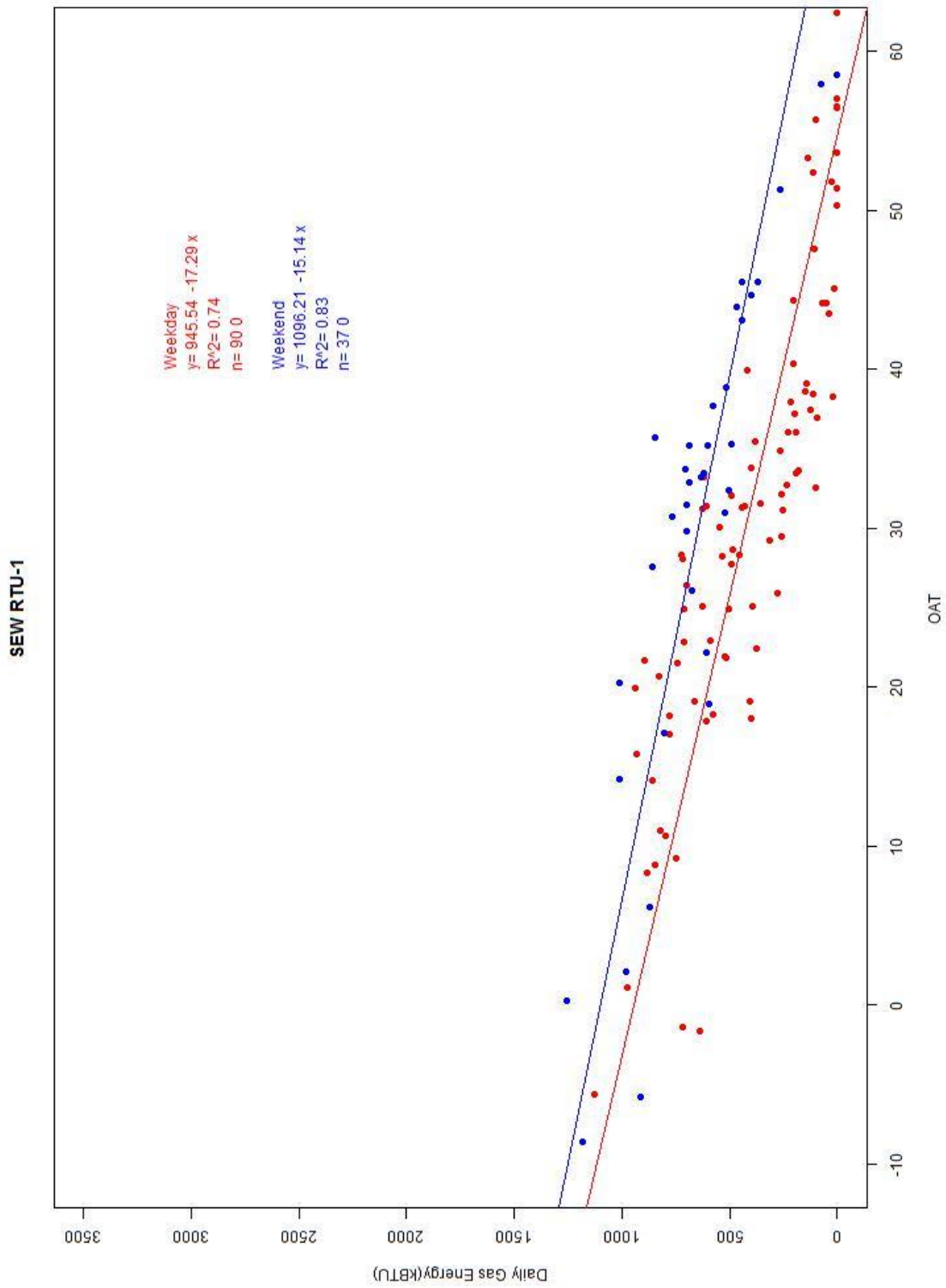


Figure 37: Site SEW RTU #2 Gas Model

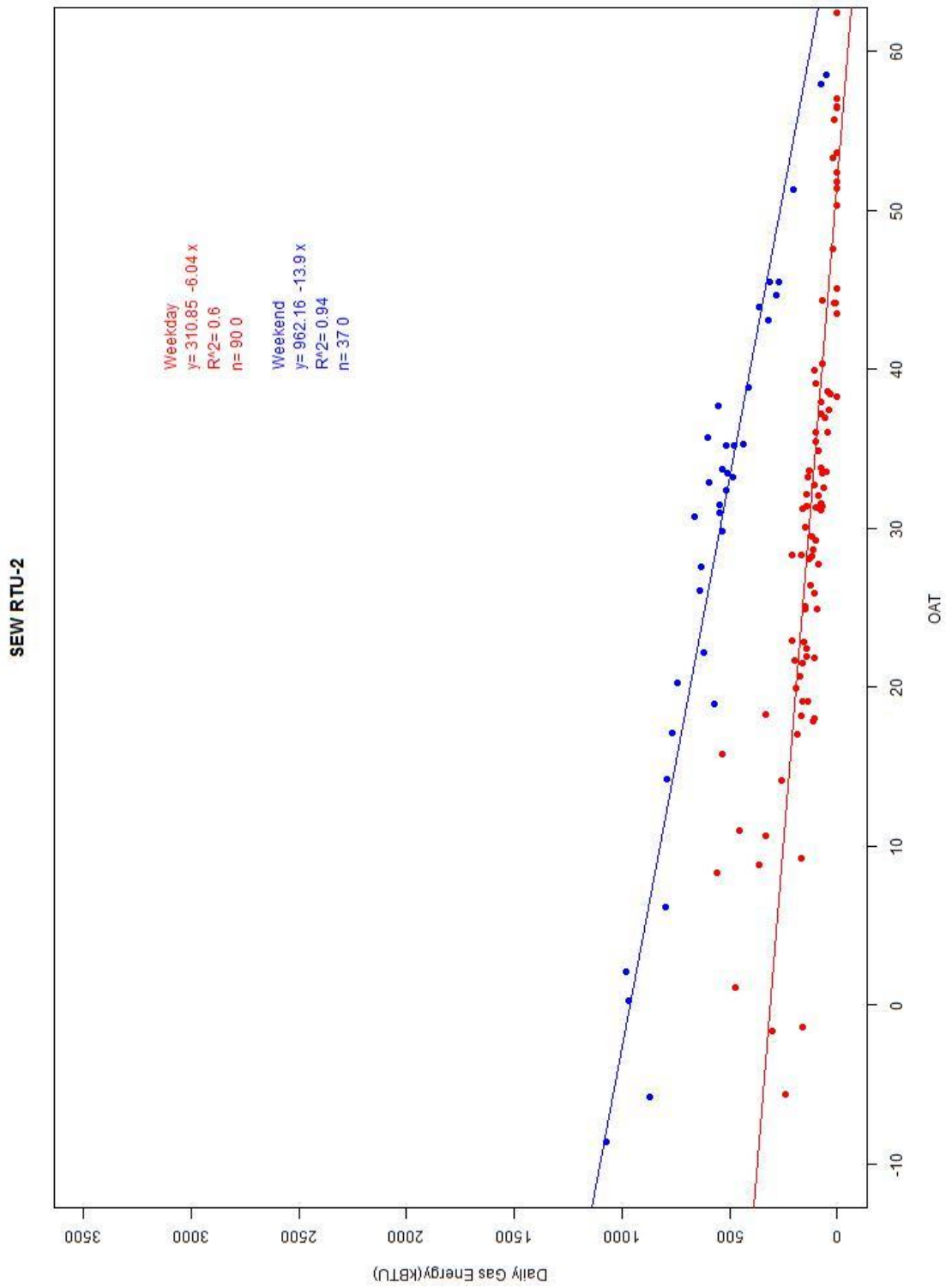


Figure 38: Site SEW RTU #3 Gas Model

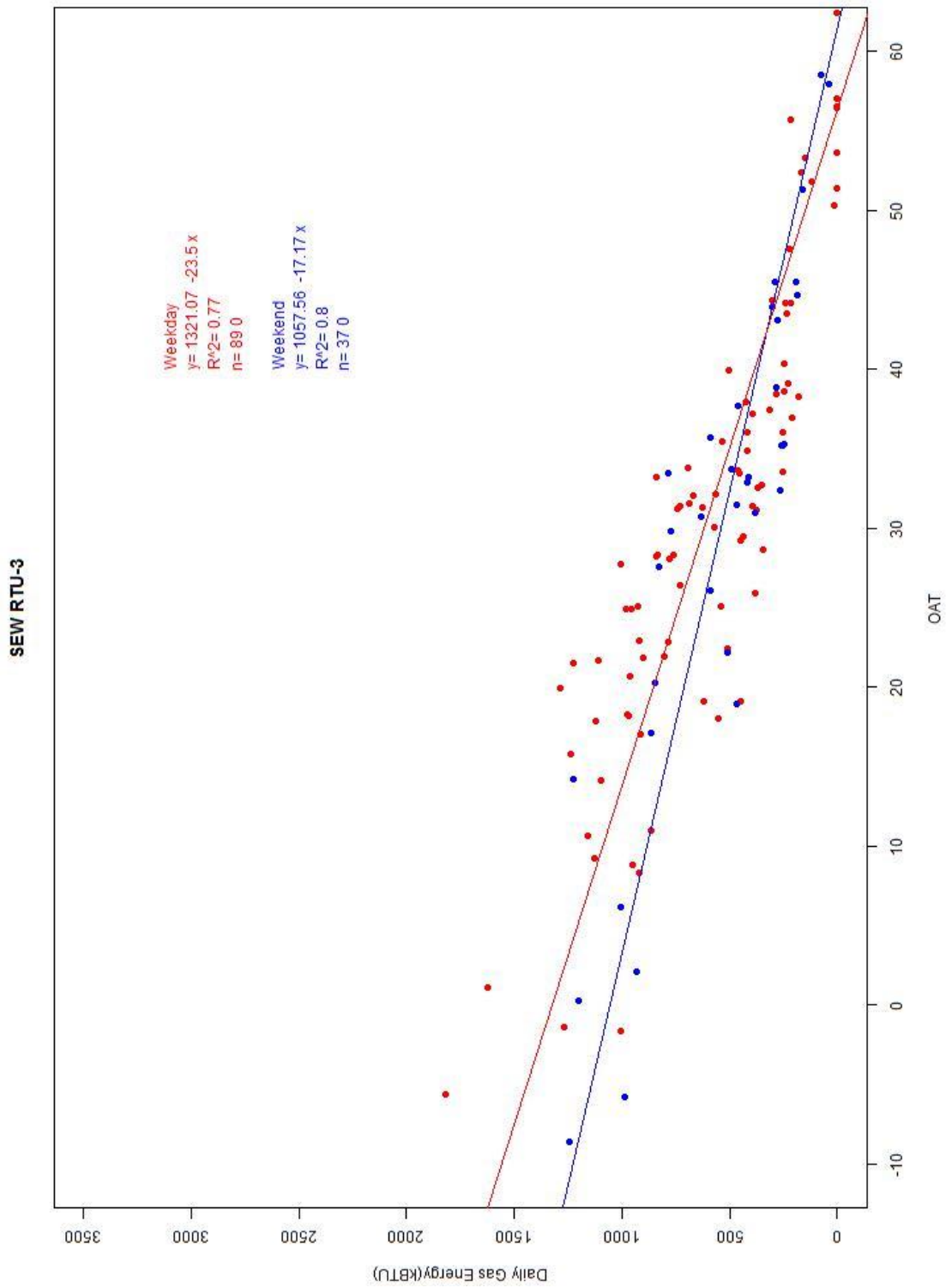


Figure 39: Site SEW RTU #4 Gas Model

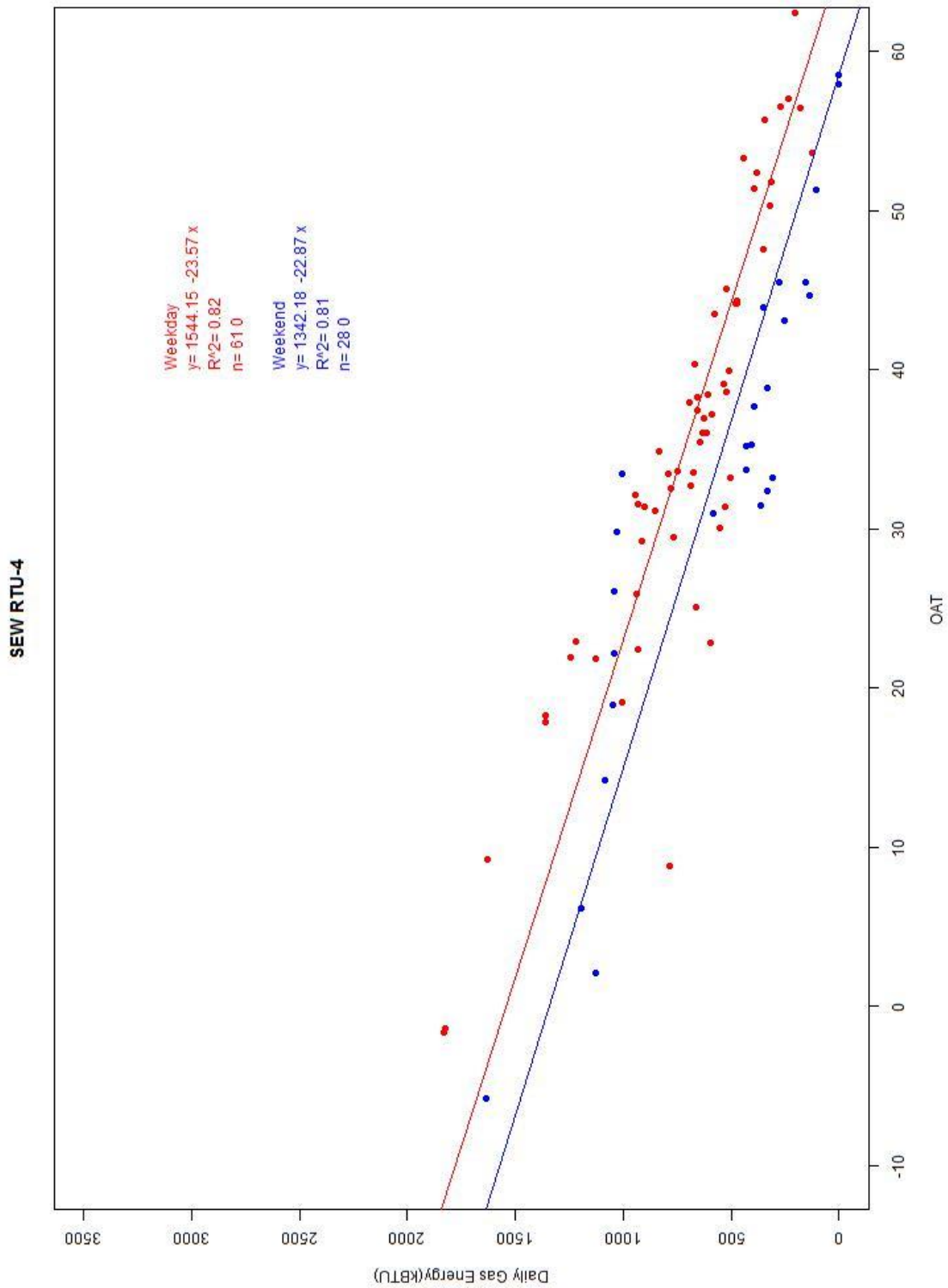


Figure 40: Site TFB Full Site Gas Model

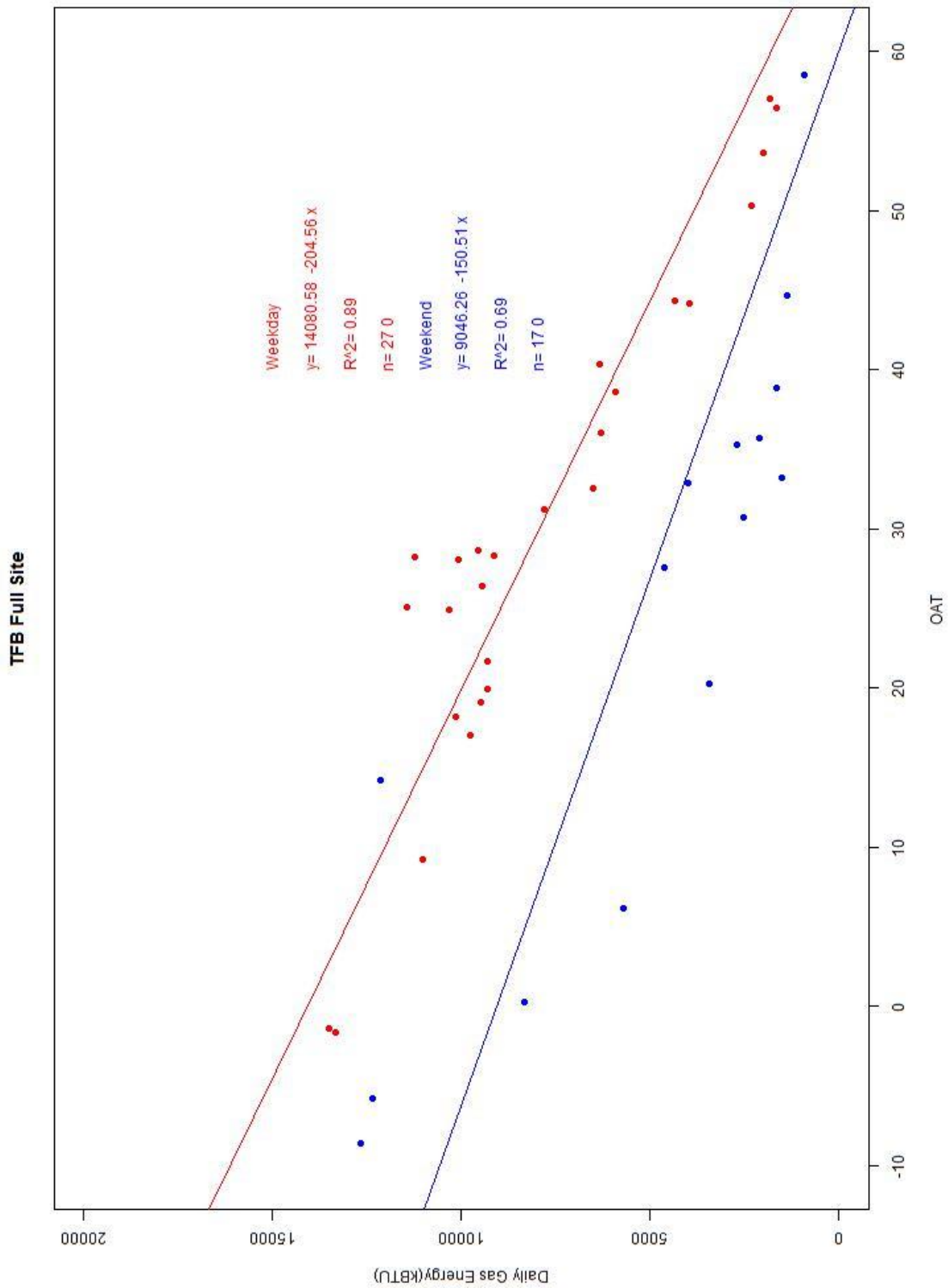


Figure 41: Site TFB RTU #1 Gas Model

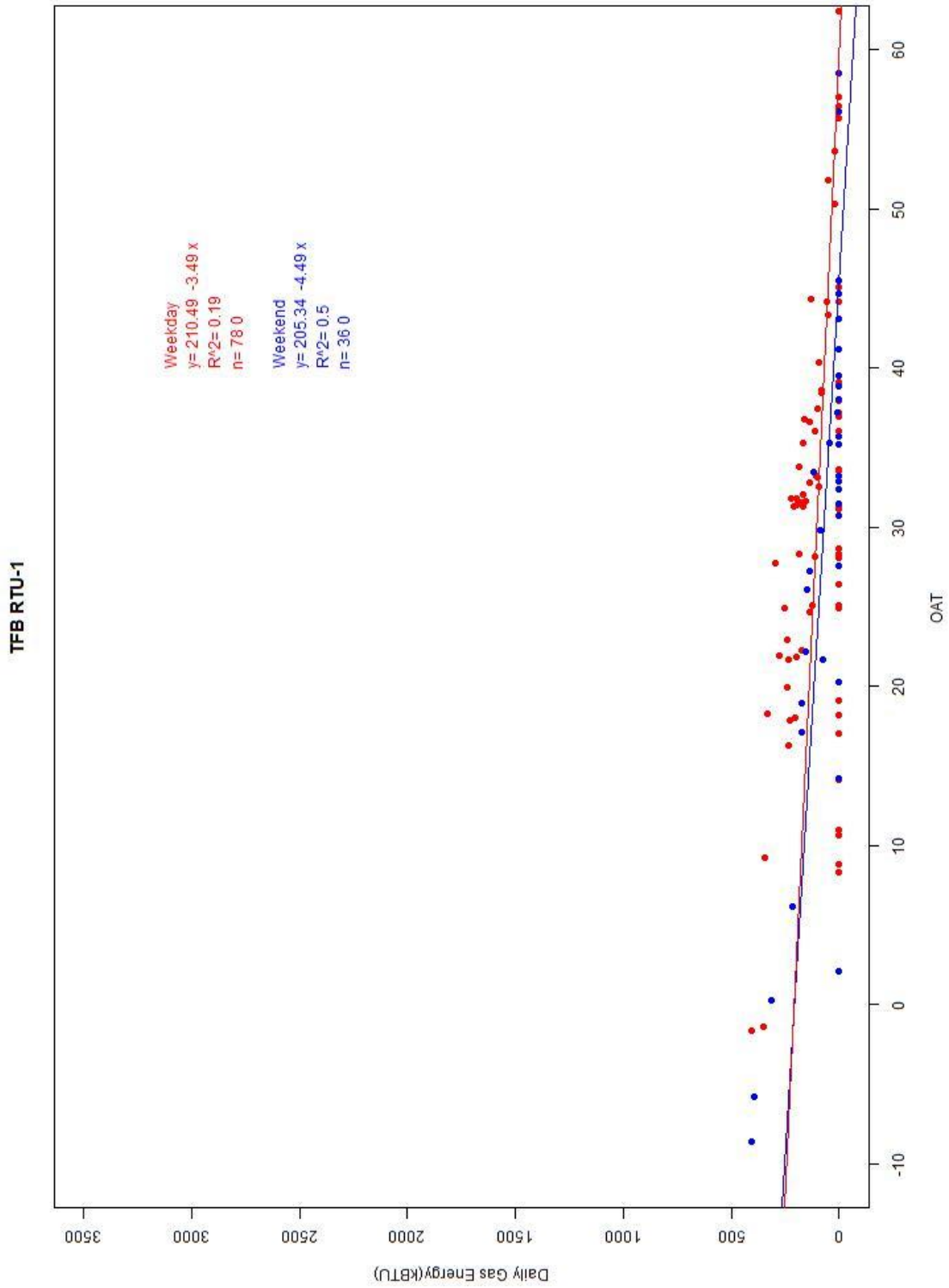


Figure 42: Site TFB RTU #2 Gas Model

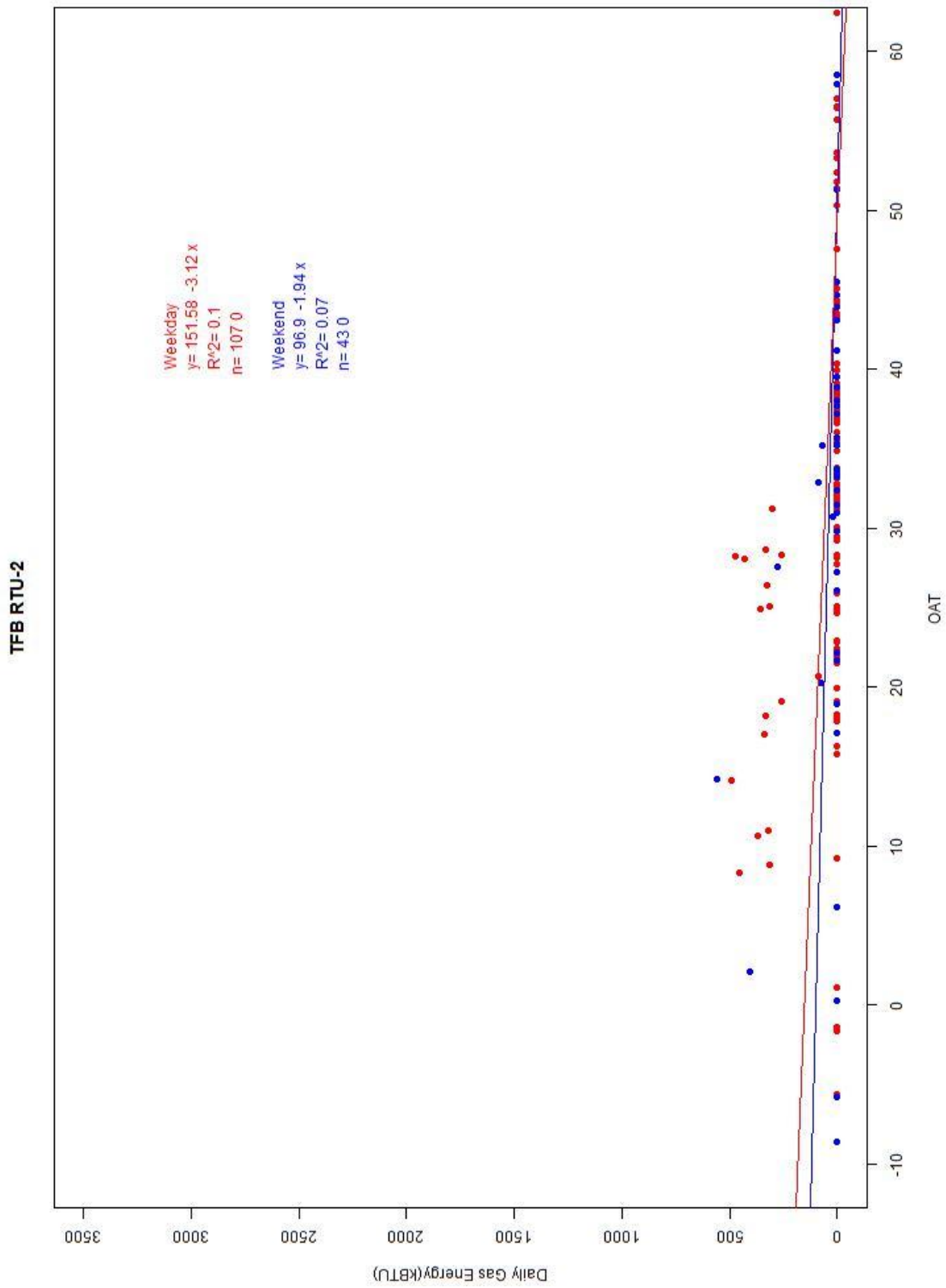


Figure 43: Site TFB RTU #3 Gas Model

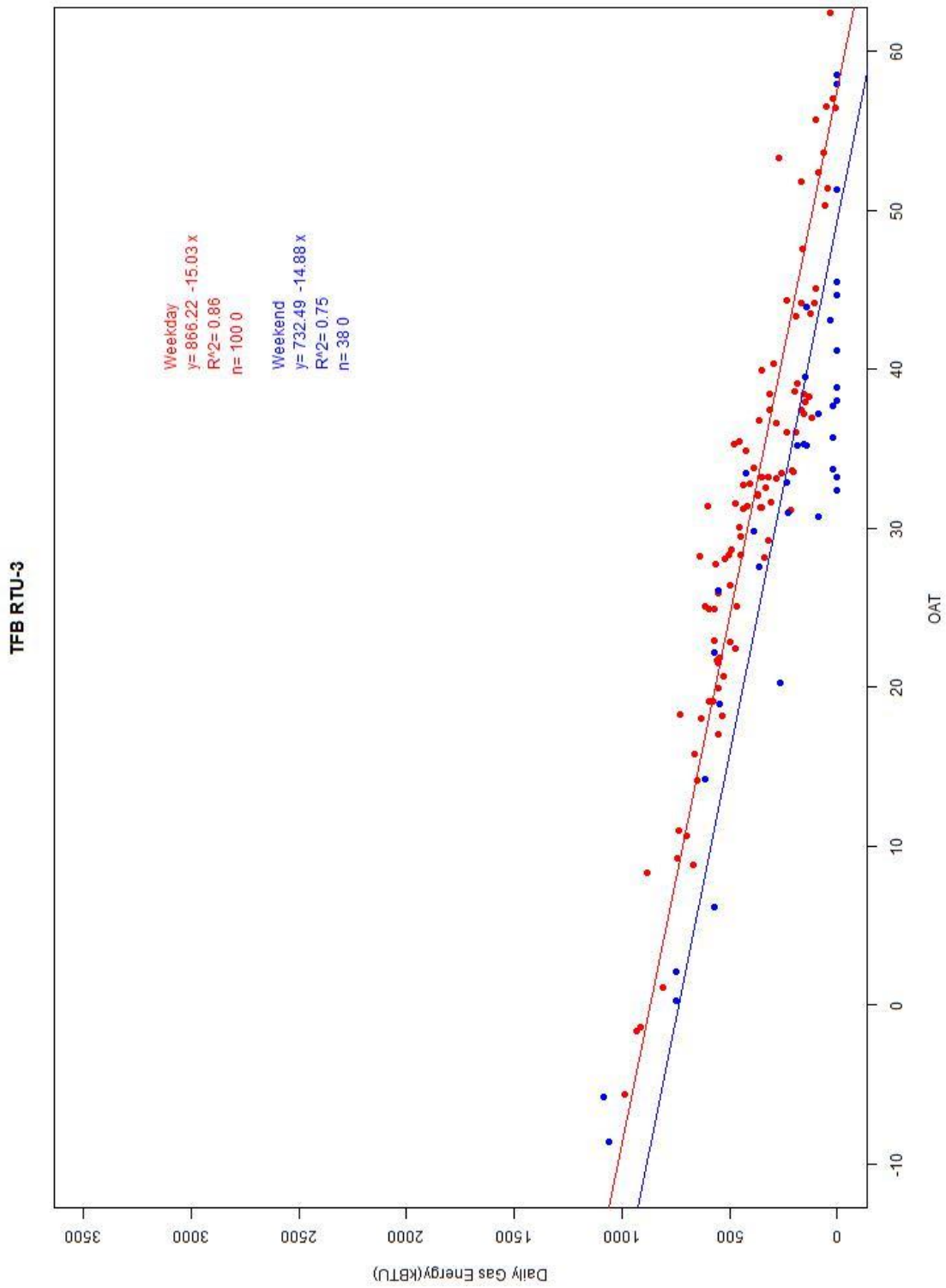


Figure 44: Site TFB RTU #4 Gas Model

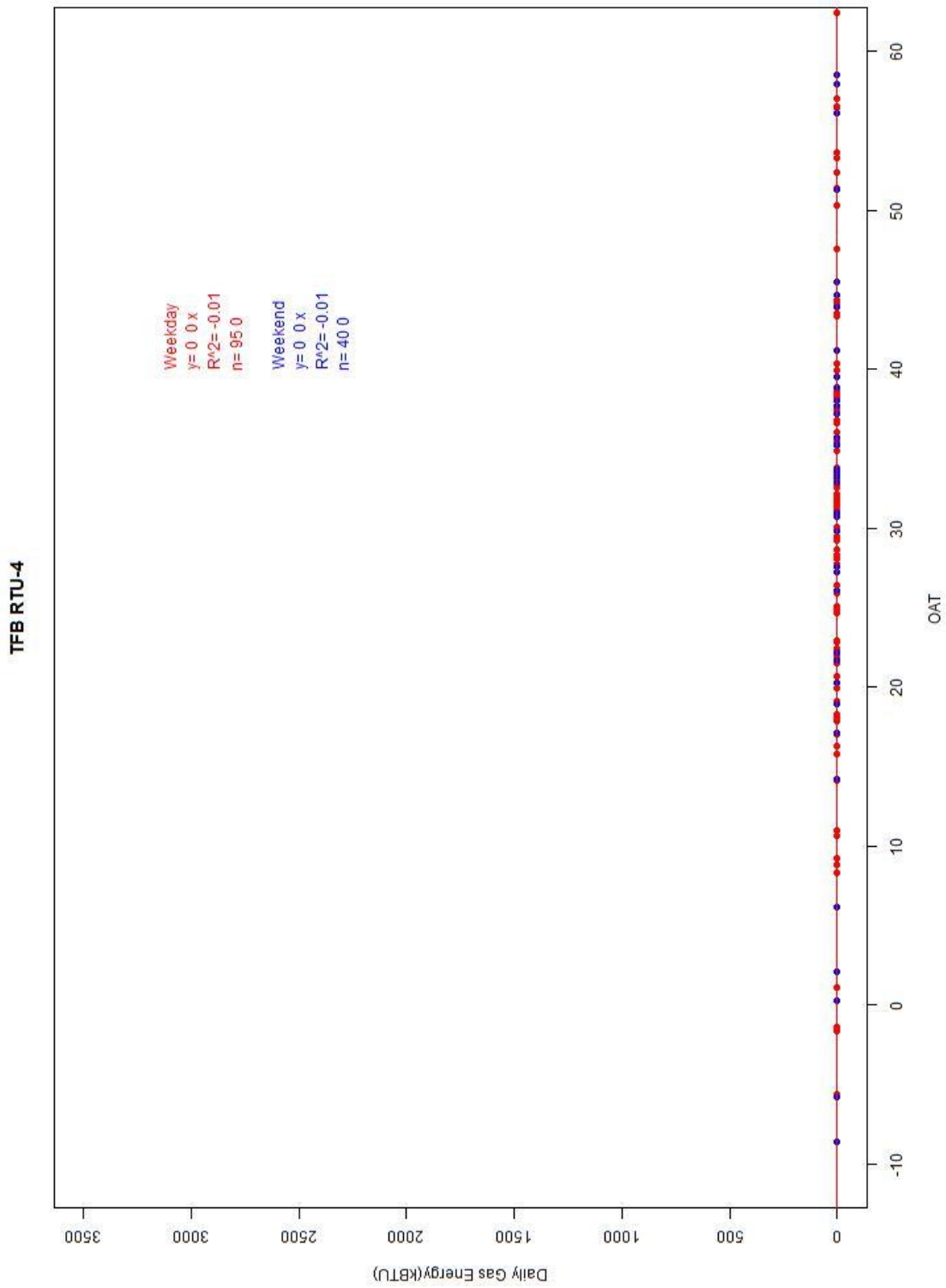


Figure 45: Site TFB RTU #5 Gas Model

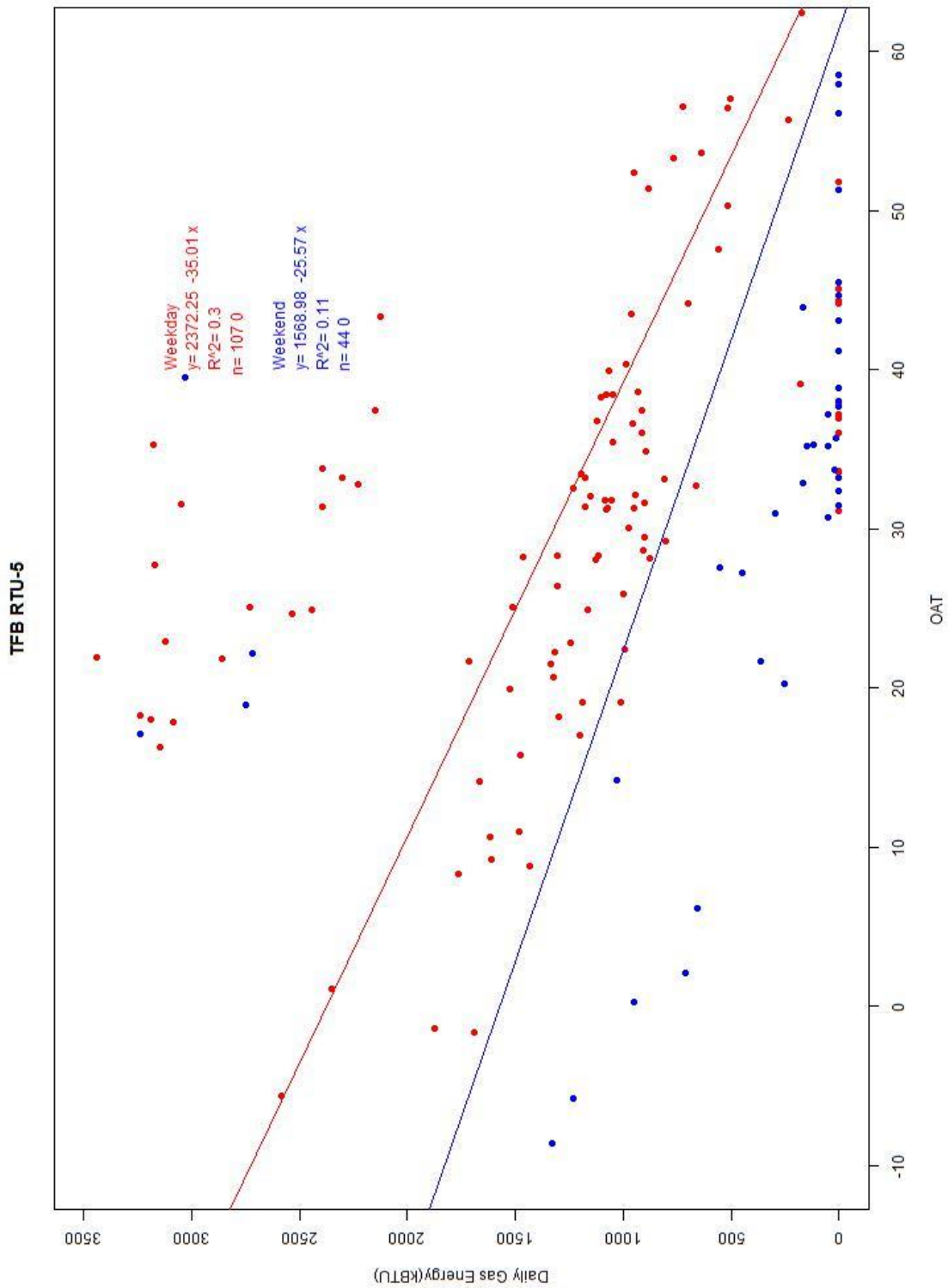


Figure 46: Site TFB RTU #6 Gas Model

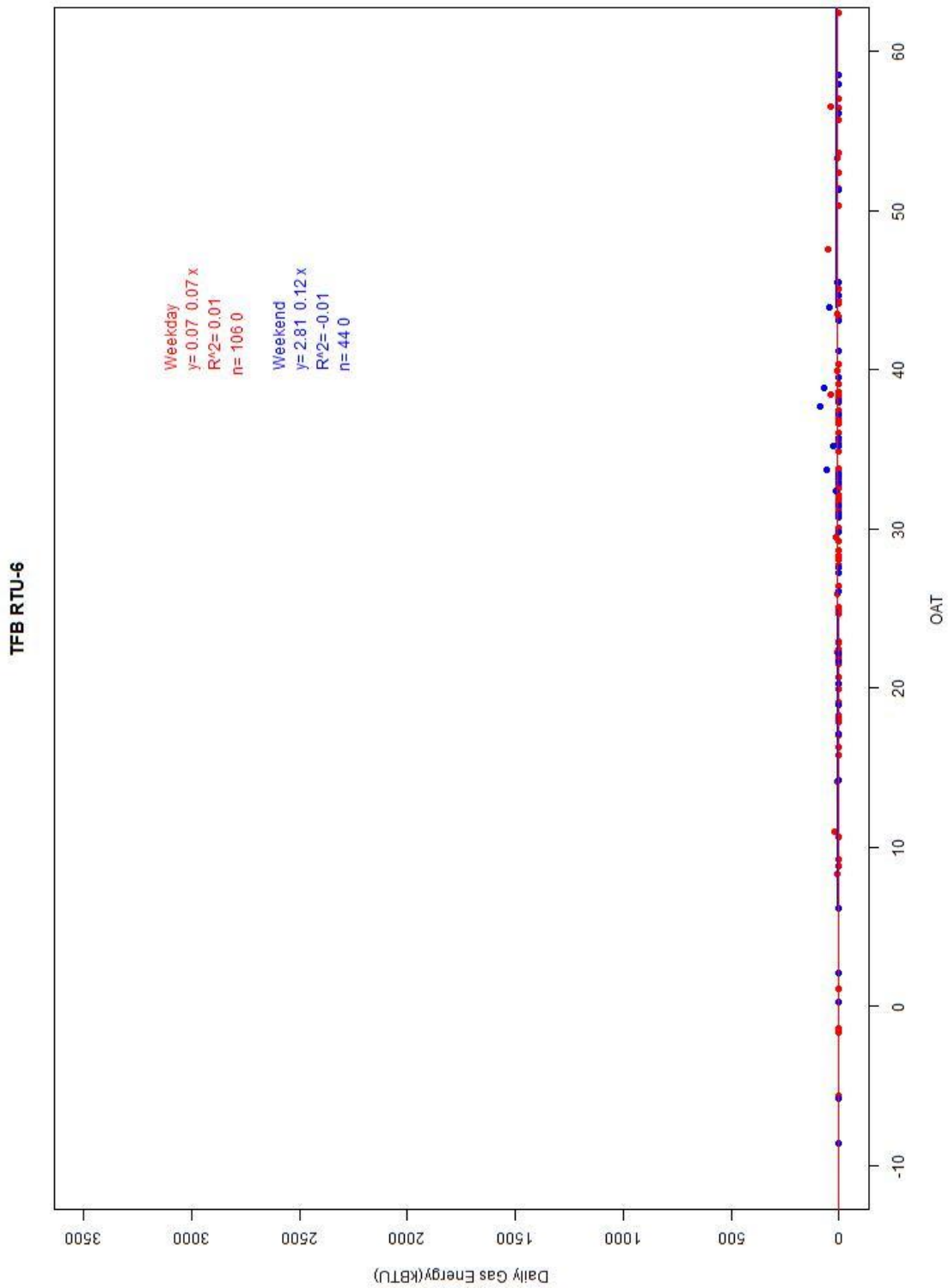


Figure 47: Site TFB RTU #7 Gas Model

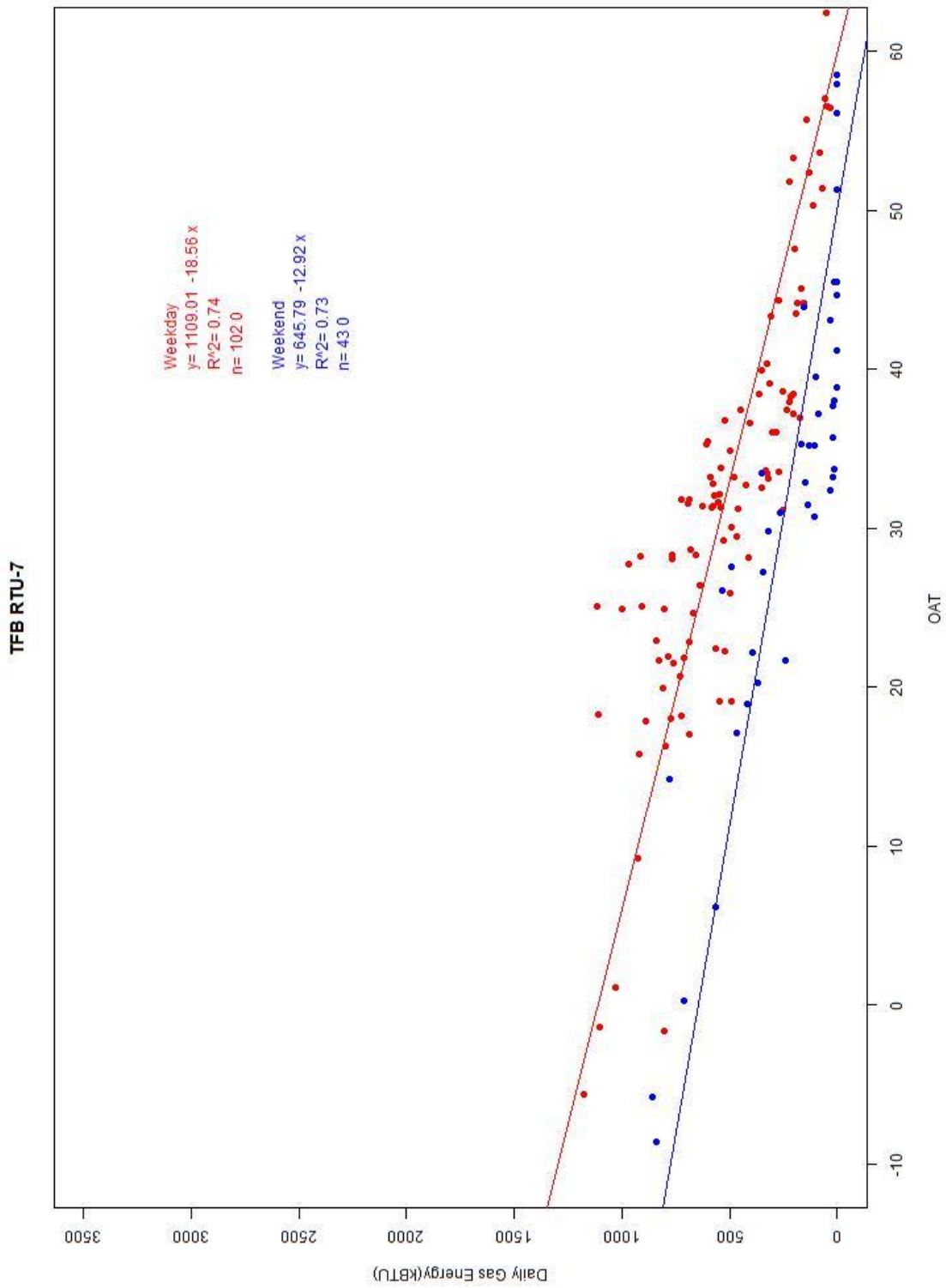


Figure 48: Site TFB RTU #8 Gas Model

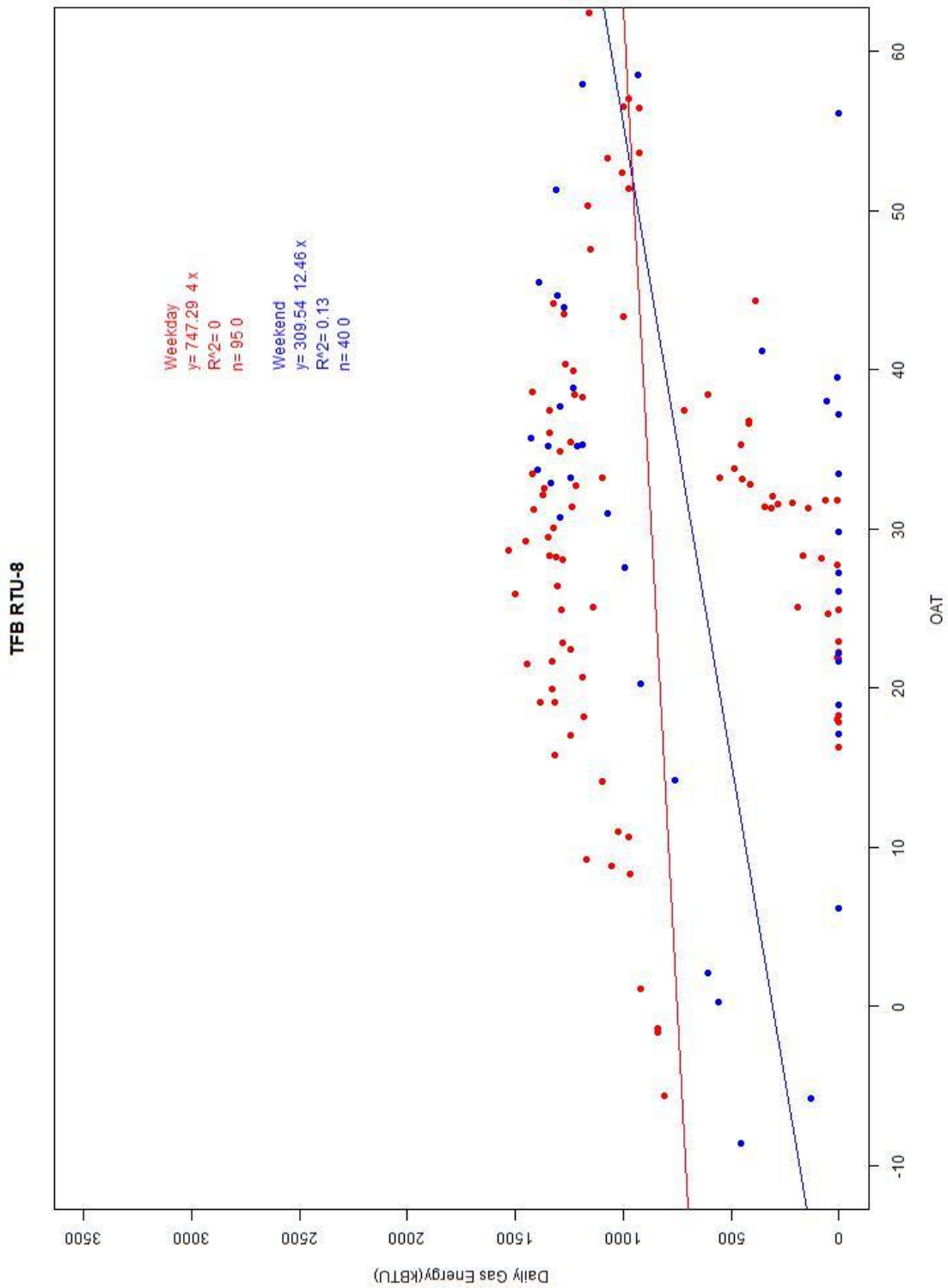


Figure 49: Site TFB RTU #9 Gas Model

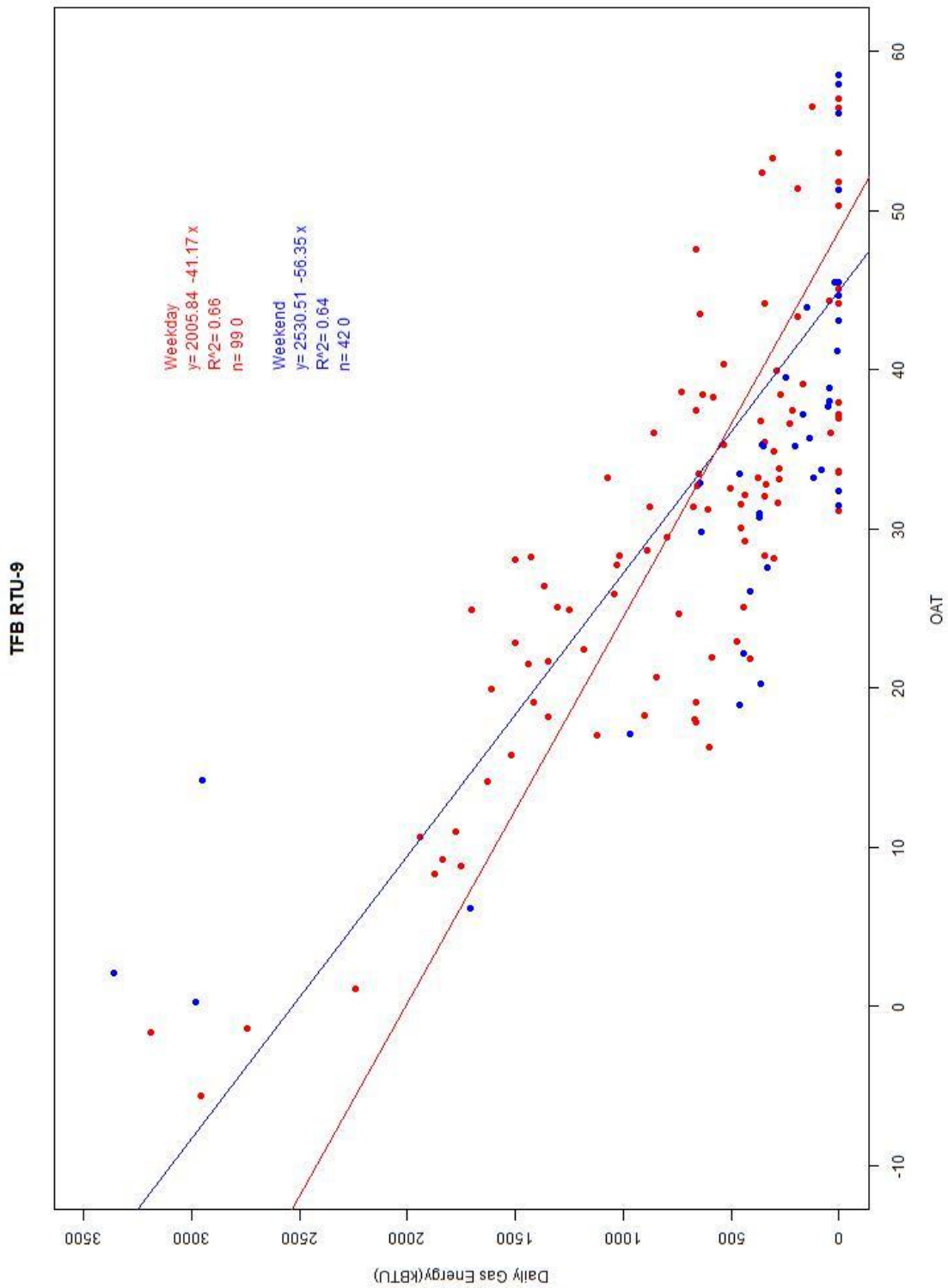


Figure 50: Site TFB RTU #10 Gas Model

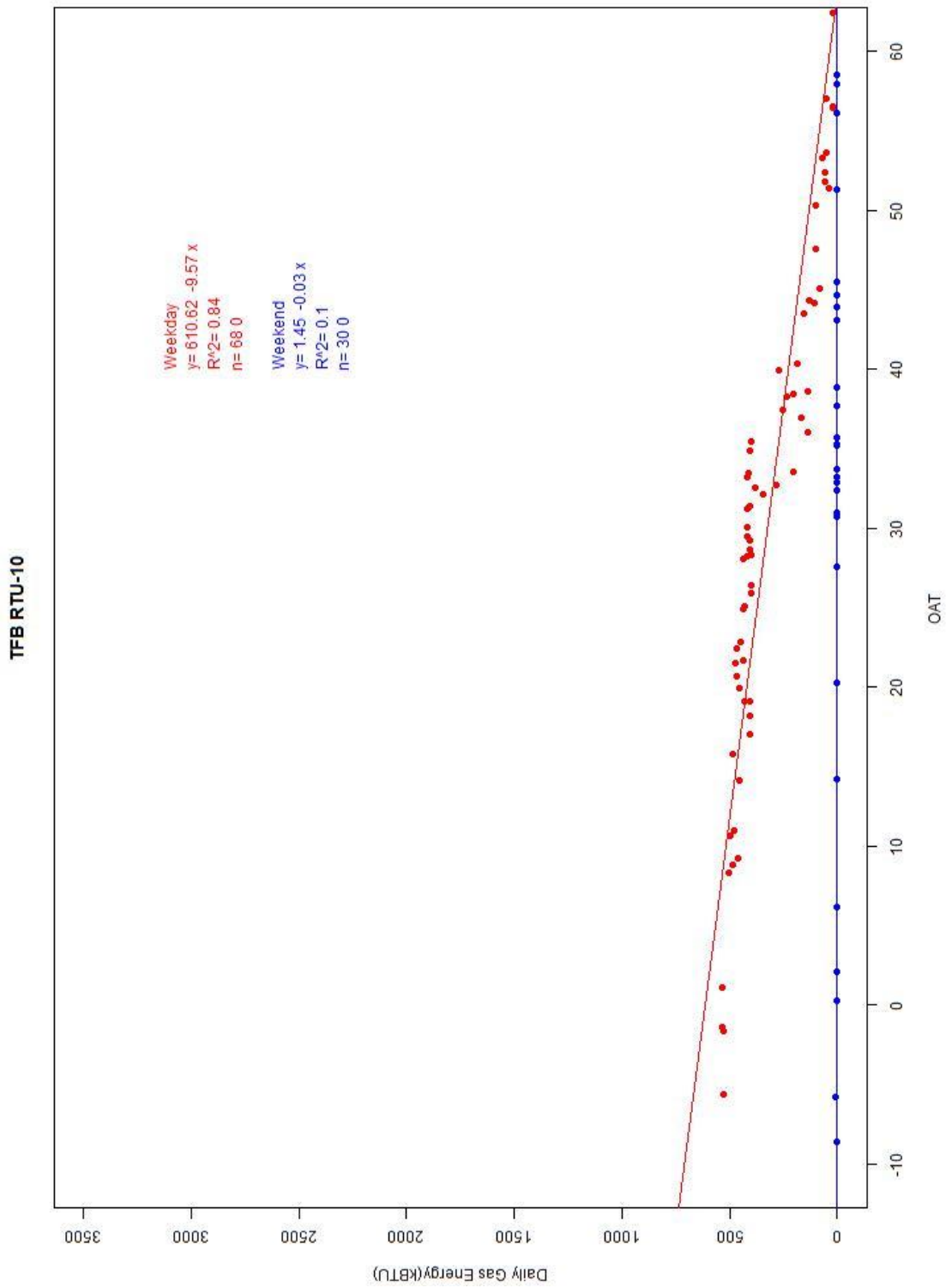


Figure 51: Site TFB RTU #11 Gas Model

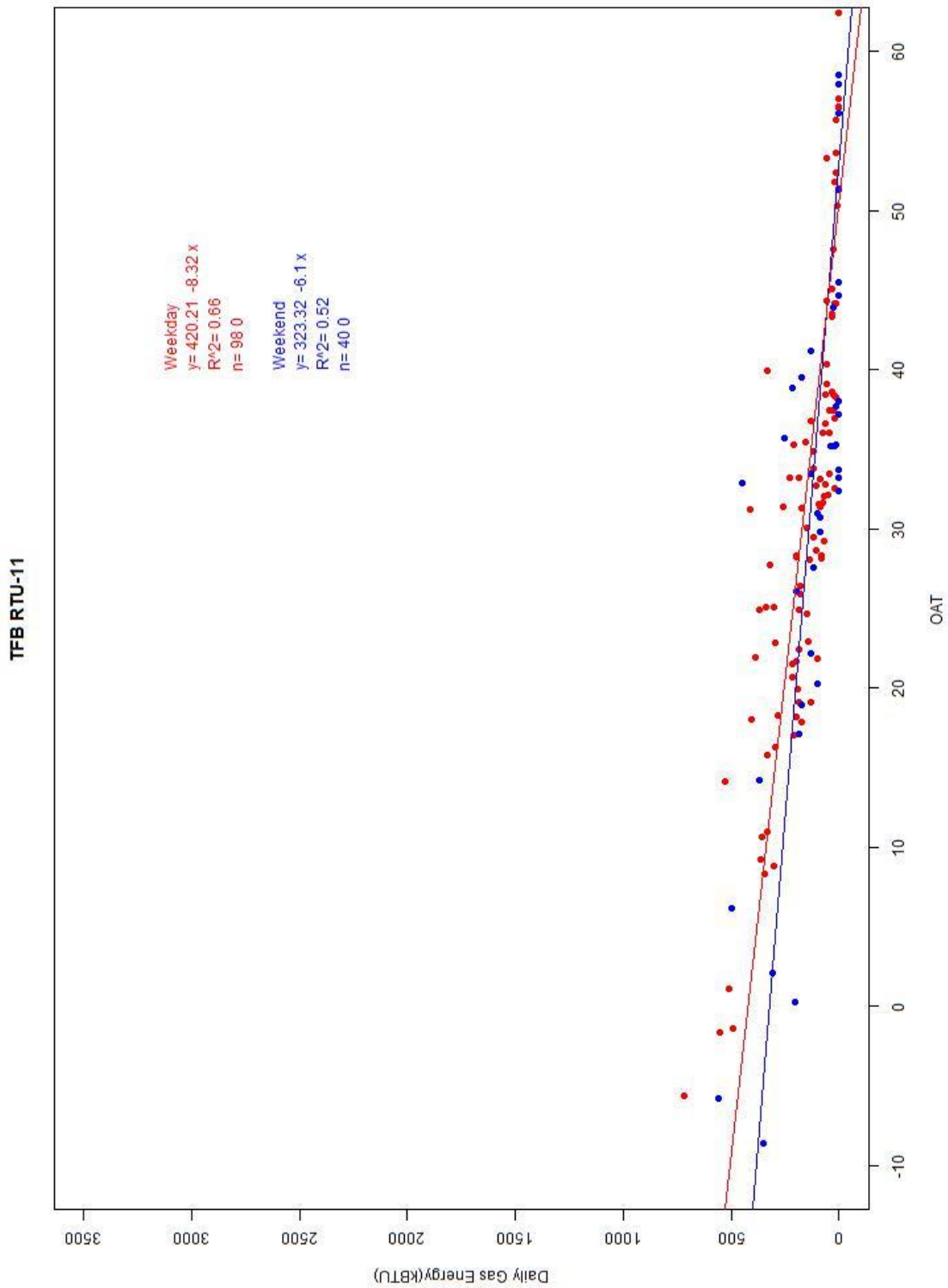


Figure 52: Site TFB RTU #12 Gas Model

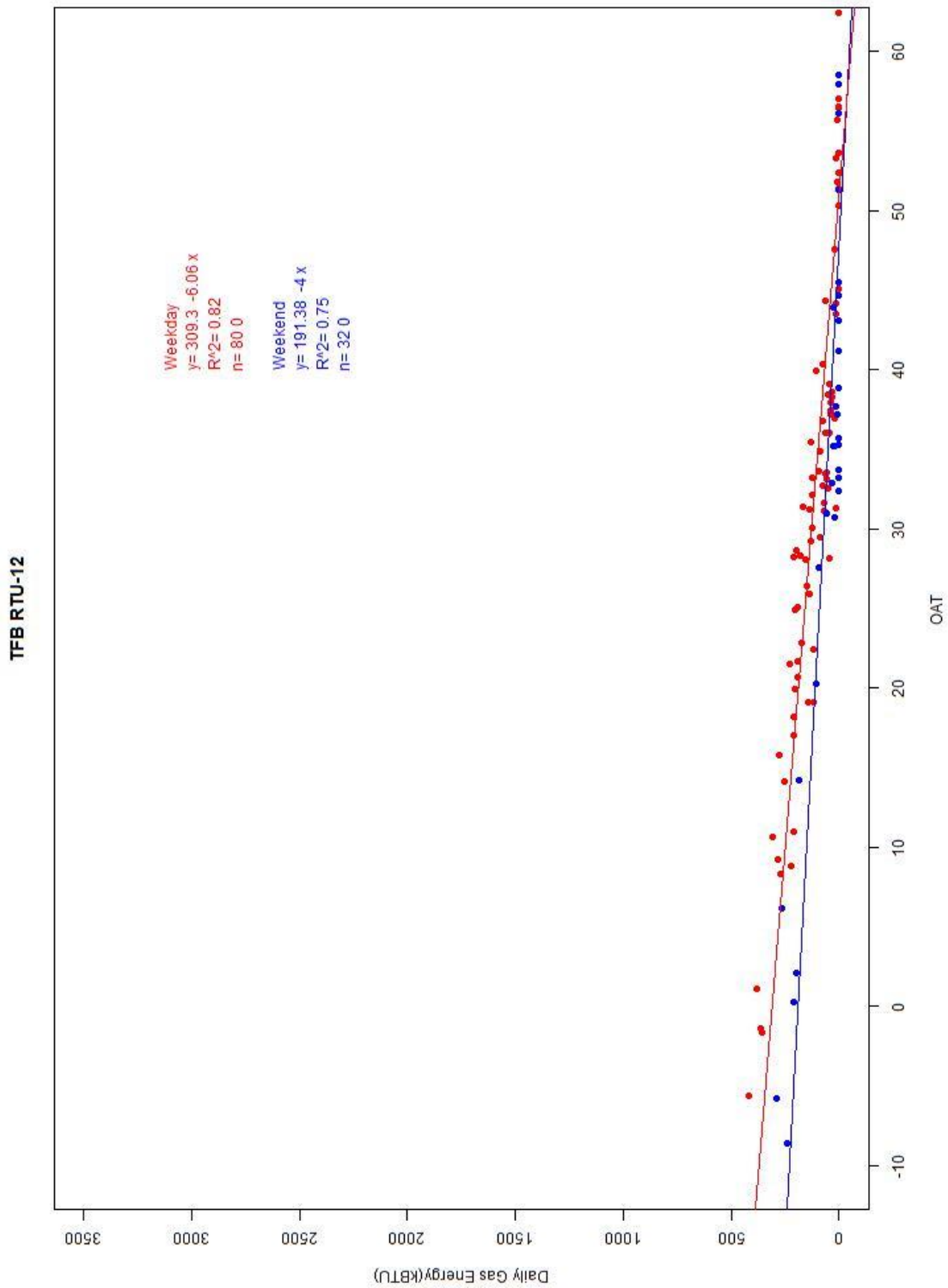


Figure 53: Site TFB RTU #13 Gas Model

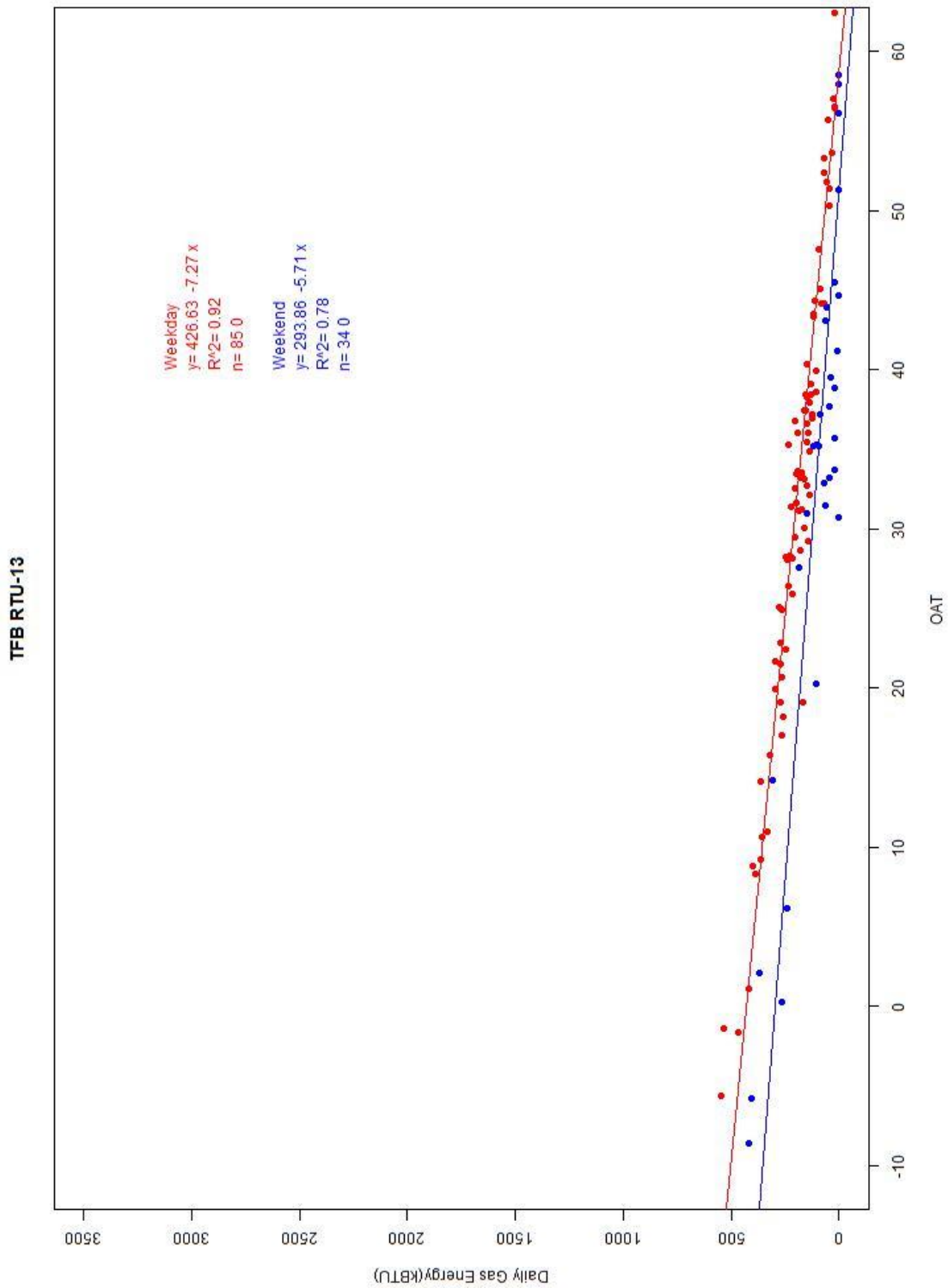


Figure 54: Site TFB RTU #14 Gas Model

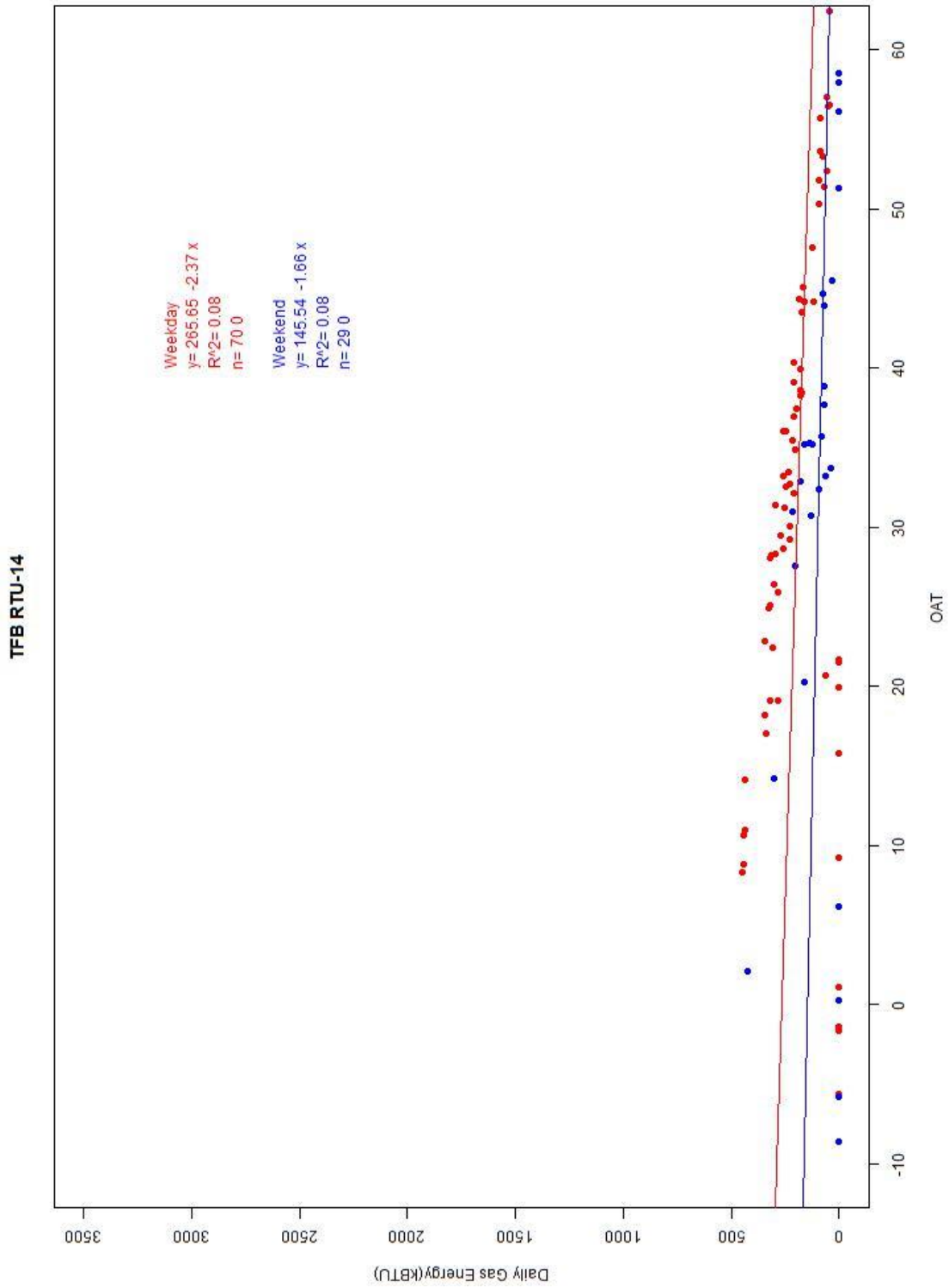


Figure 55: Site TFB RTU #15 Gas Model

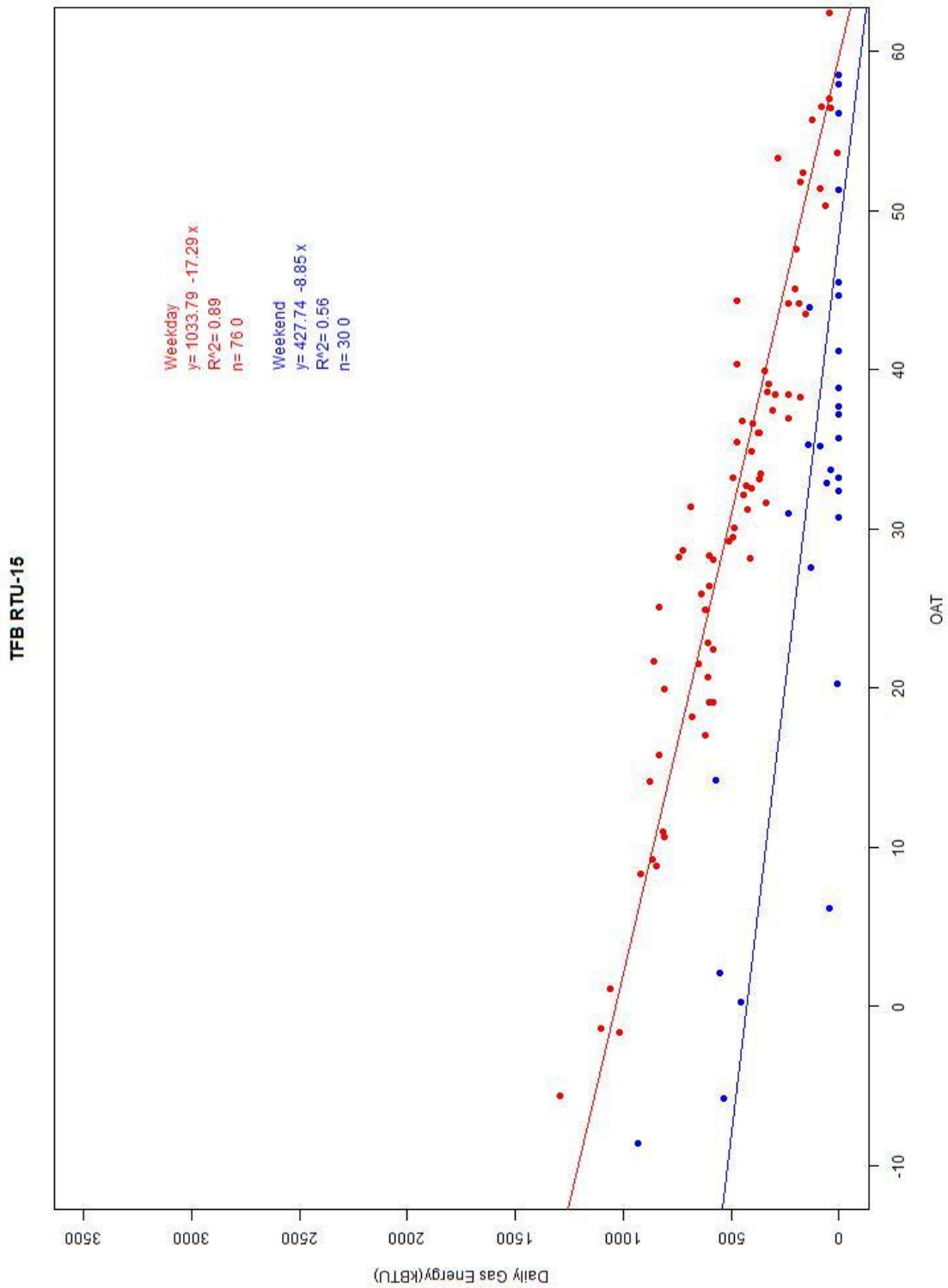


Figure 56: Site TFB RTU #16 Gas Model

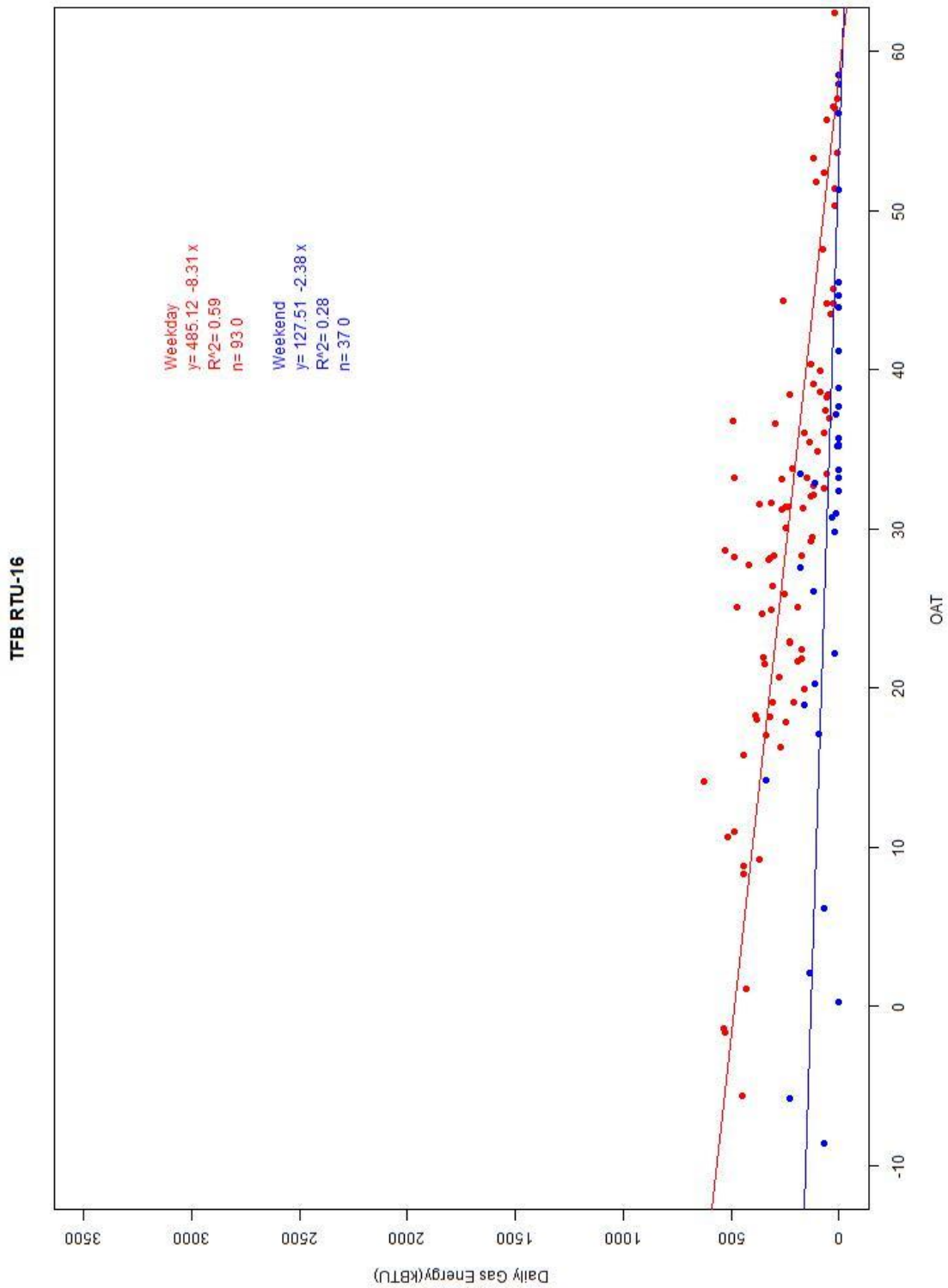


Figure 57: Site TFB RTU #17 Gas Model

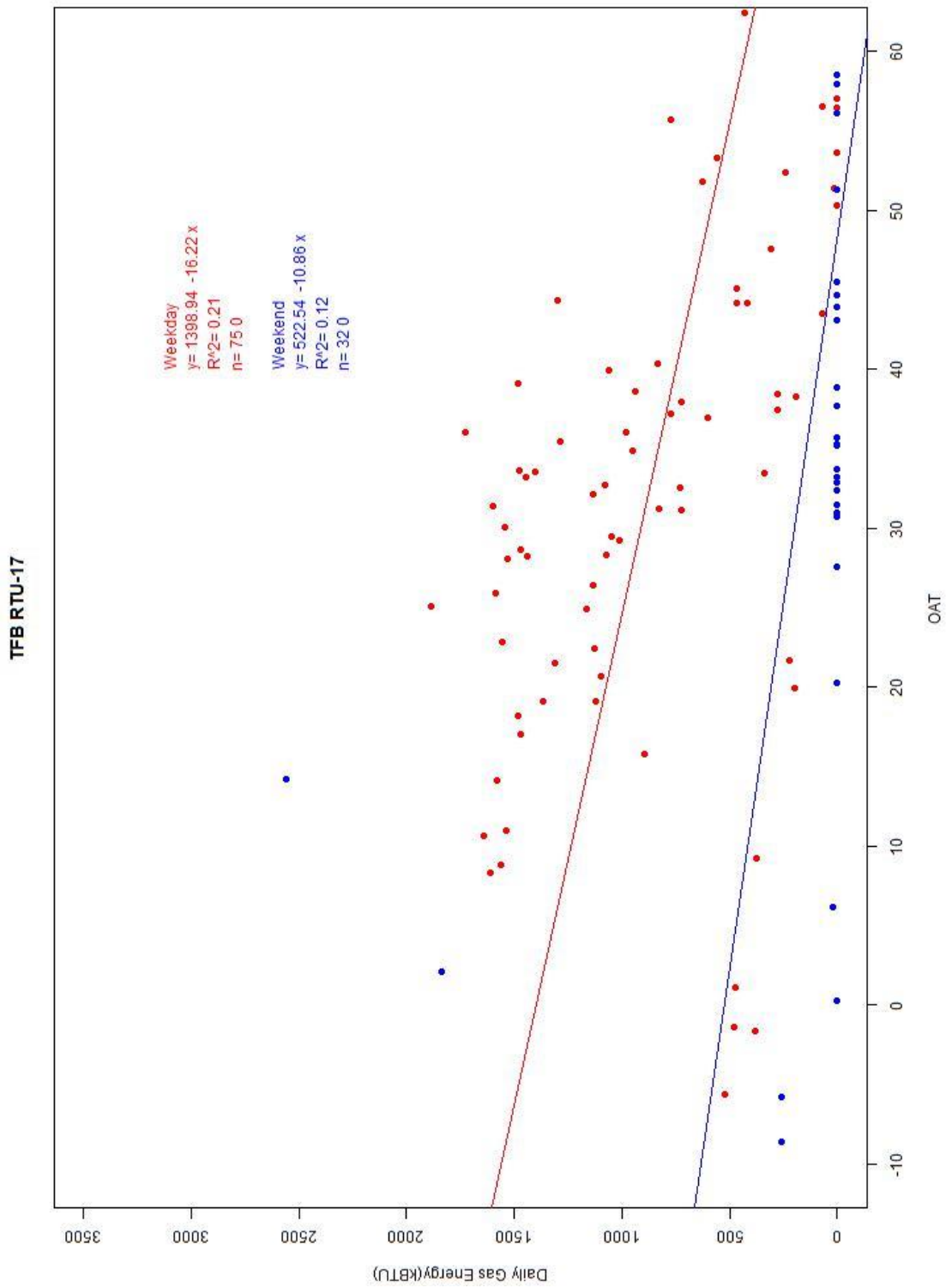
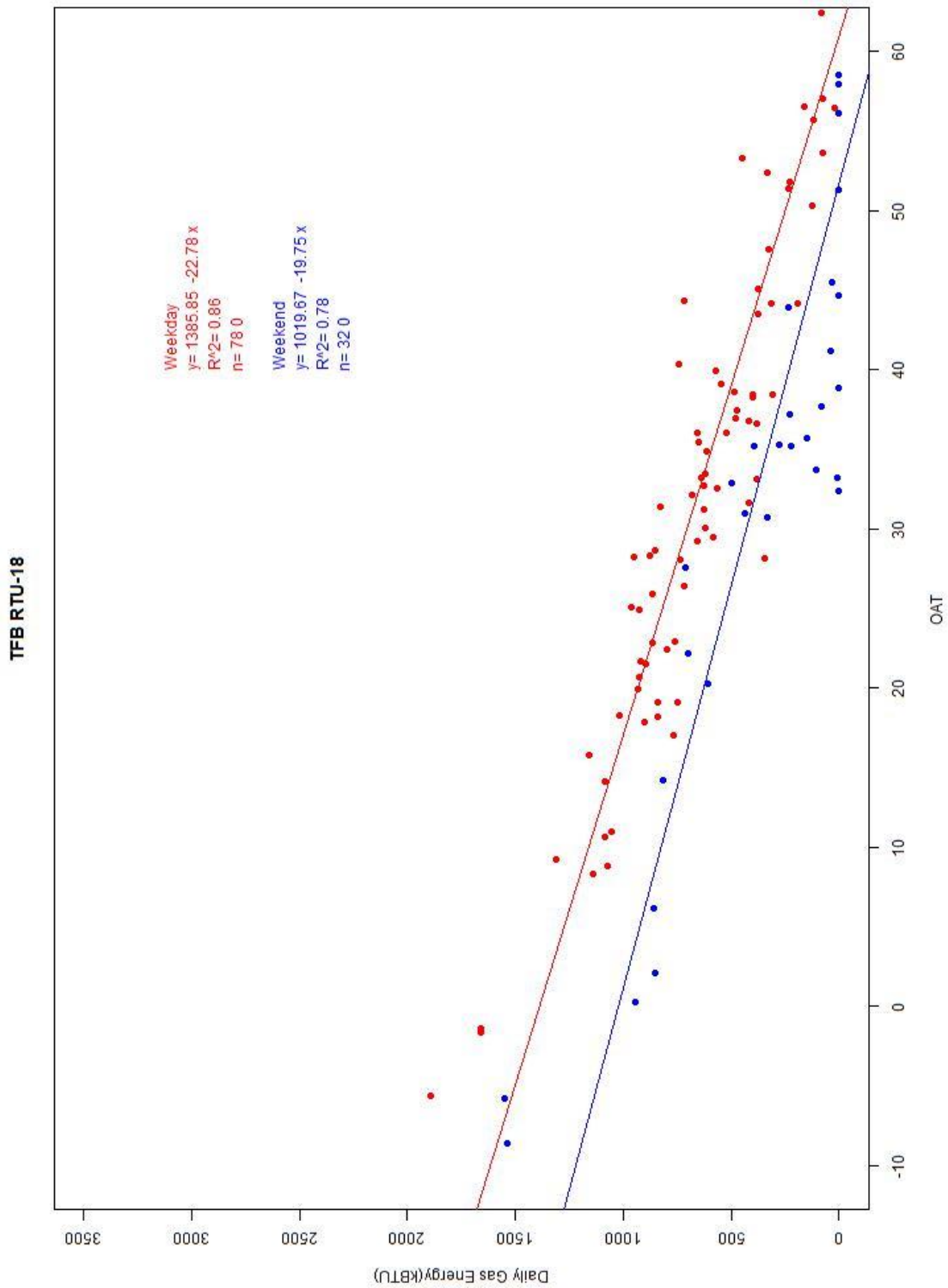


Figure 58: Site TFB RTU #18 Gas Model



RTU Electric Consumption Models

Figure 59: Site CWC Full Site Electric Model

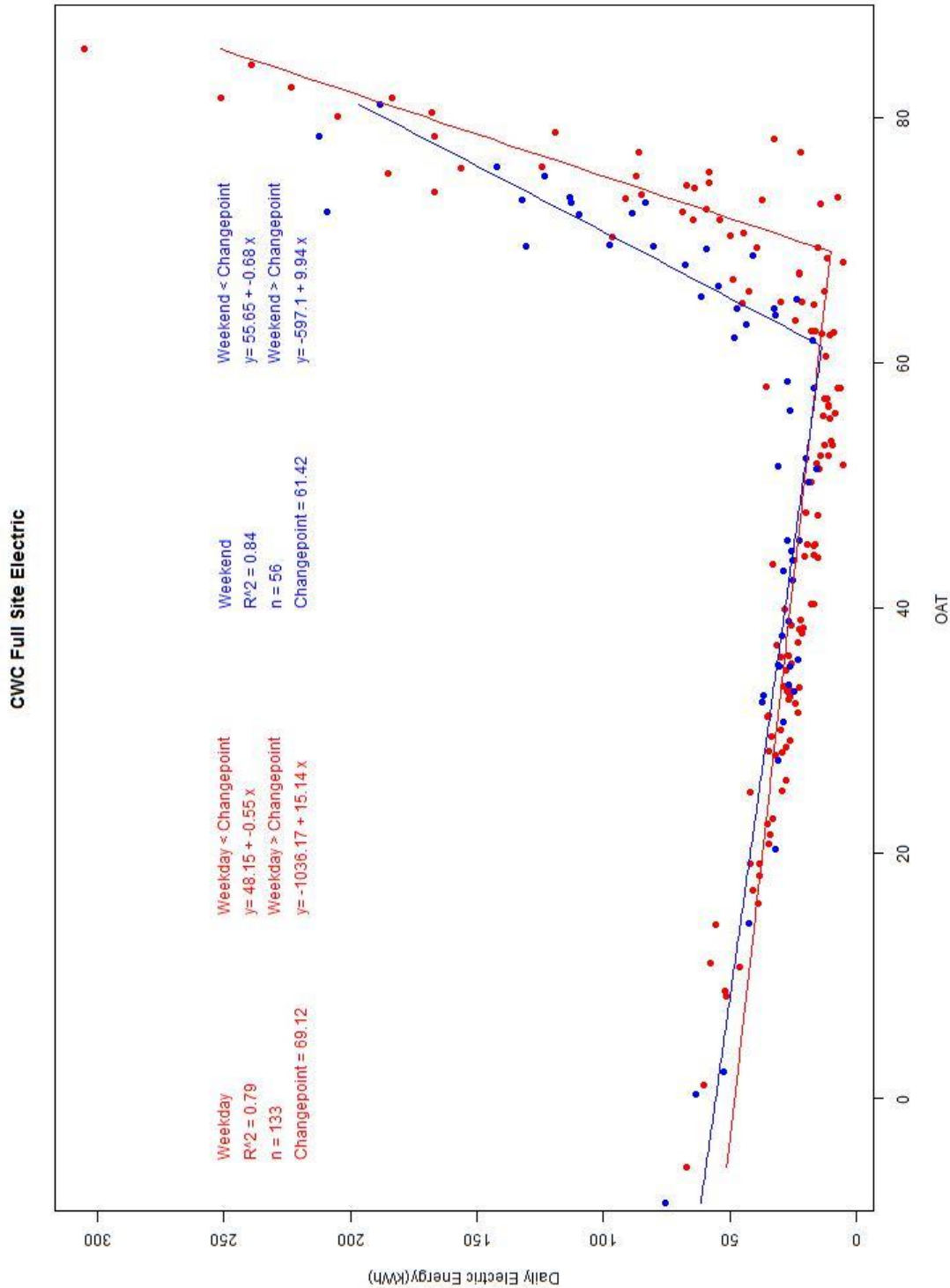


Figure 60: Site CWC RTU #1 Electric Model

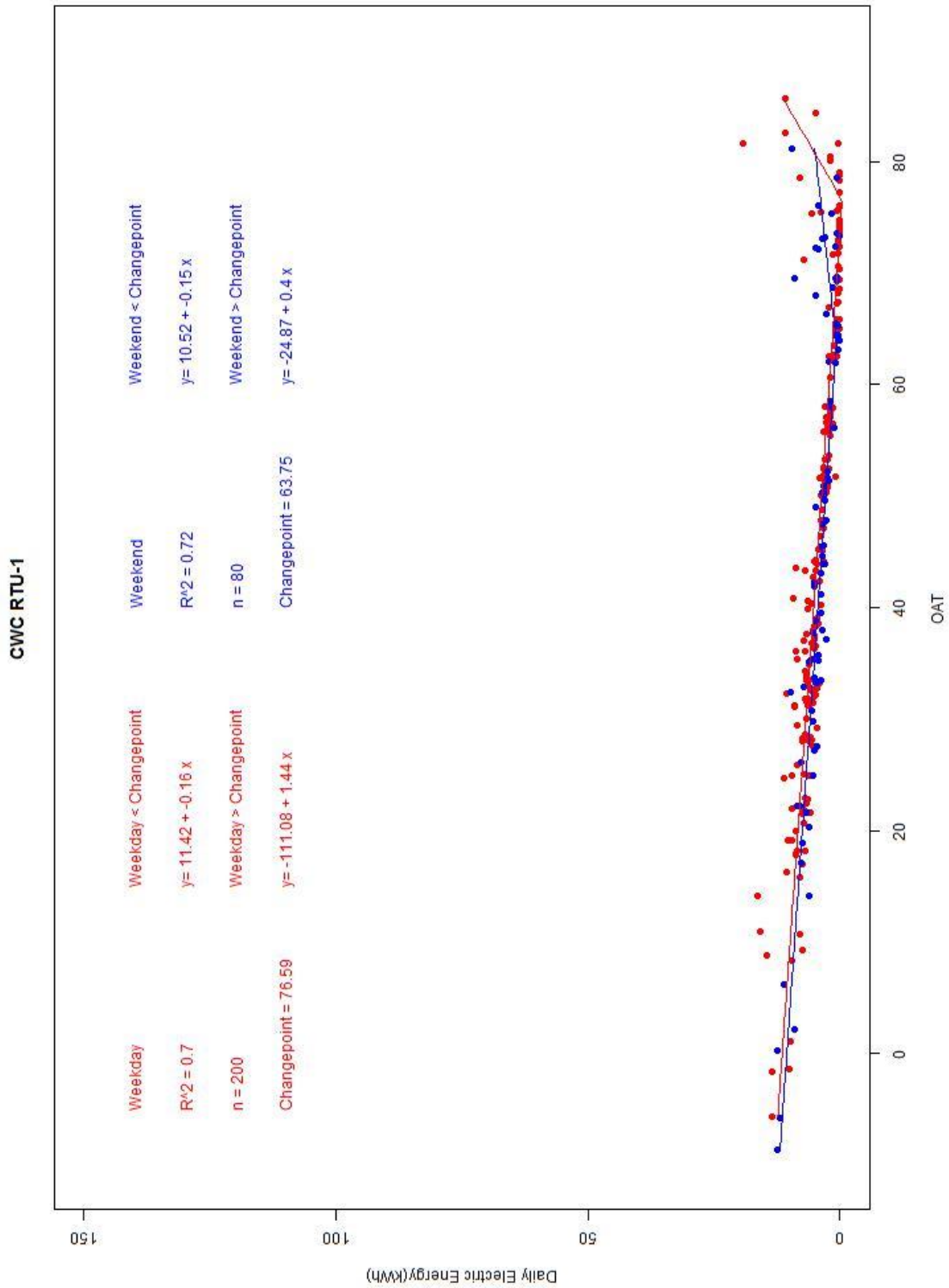


Figure 61: Site CWC RTU #2 Electric Model

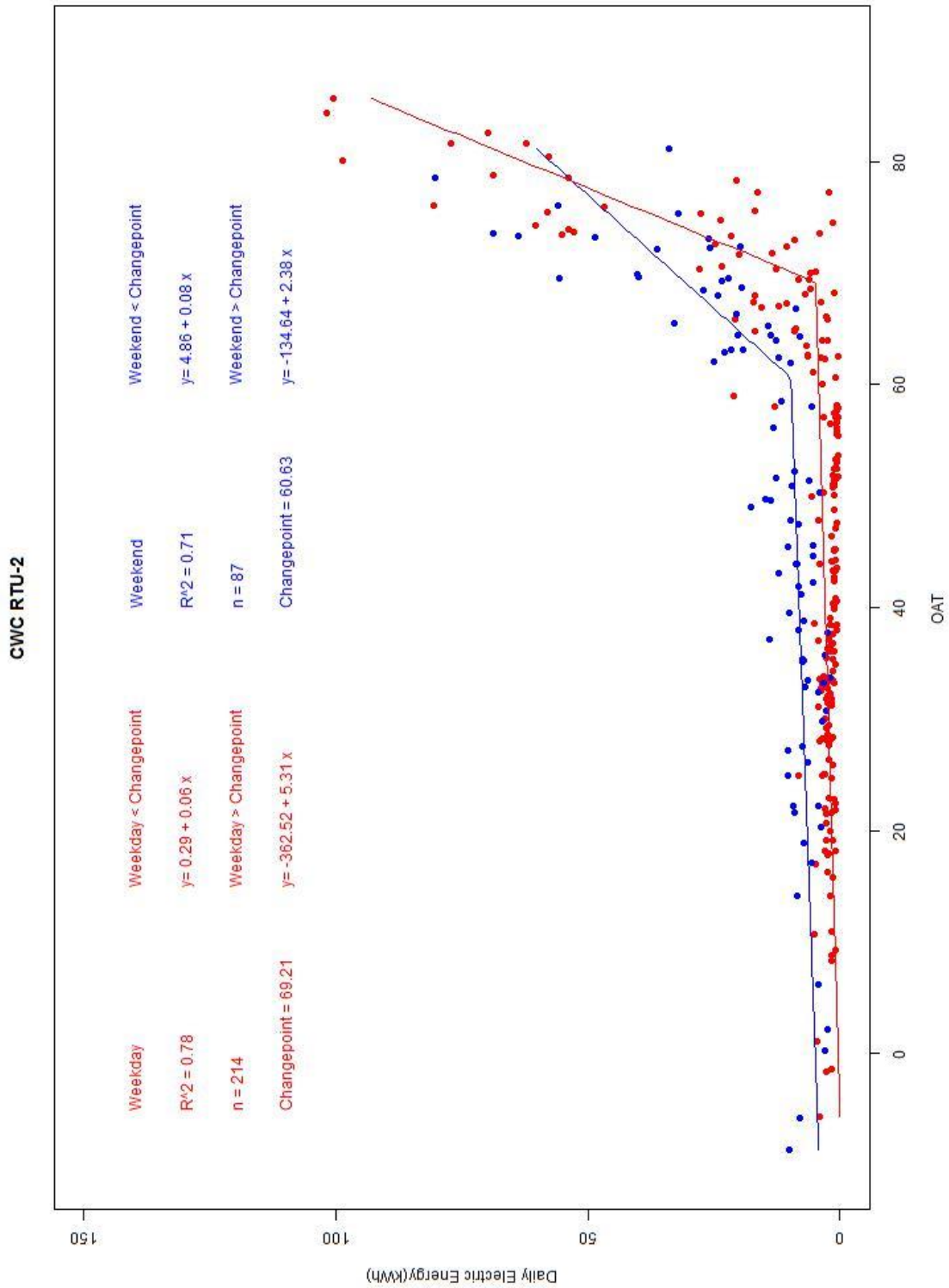


Figure 62: Site CWC RTU #3 Electric Model

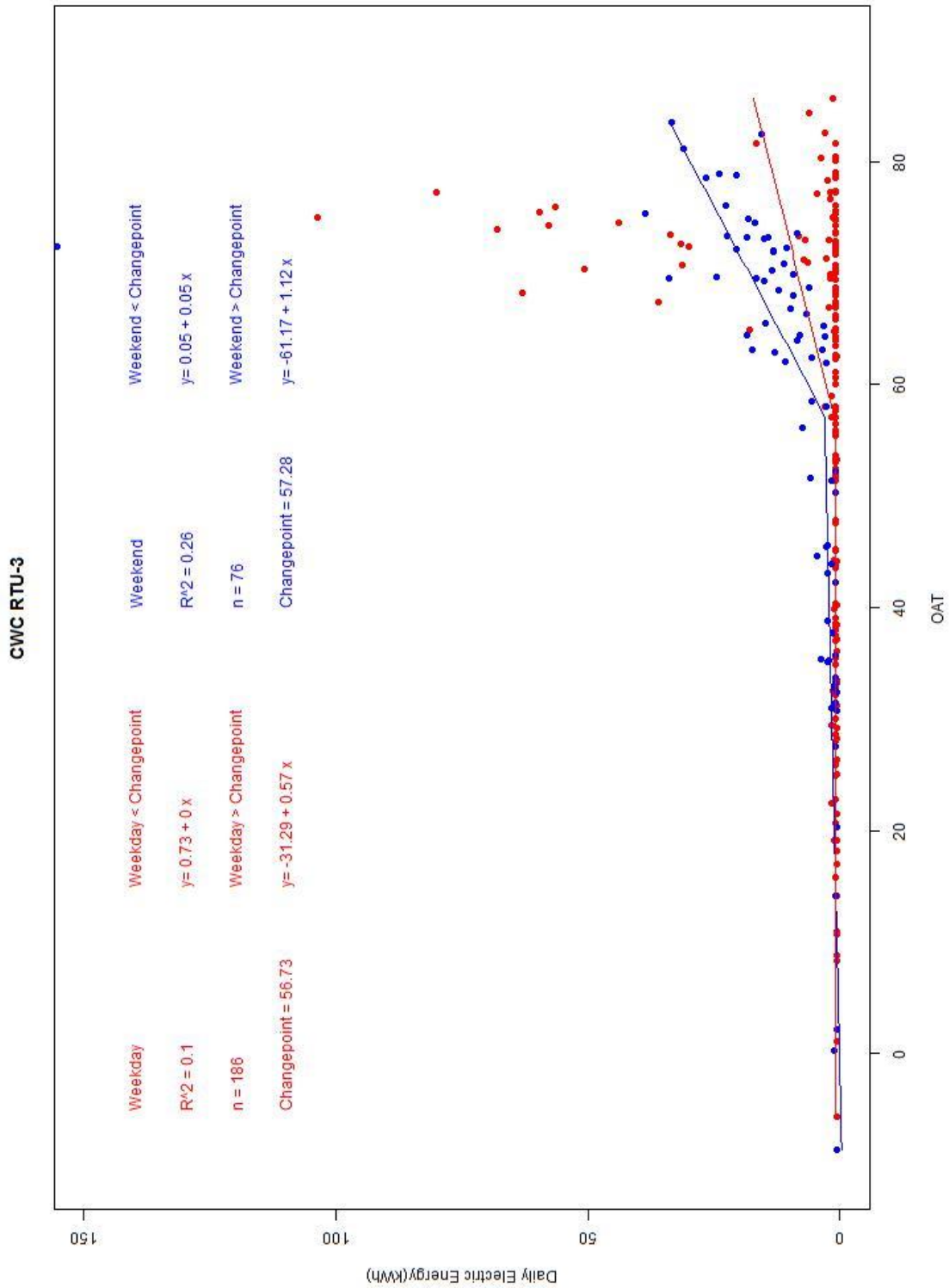


Figure 63: Site CWC RTU #4 Electric Model

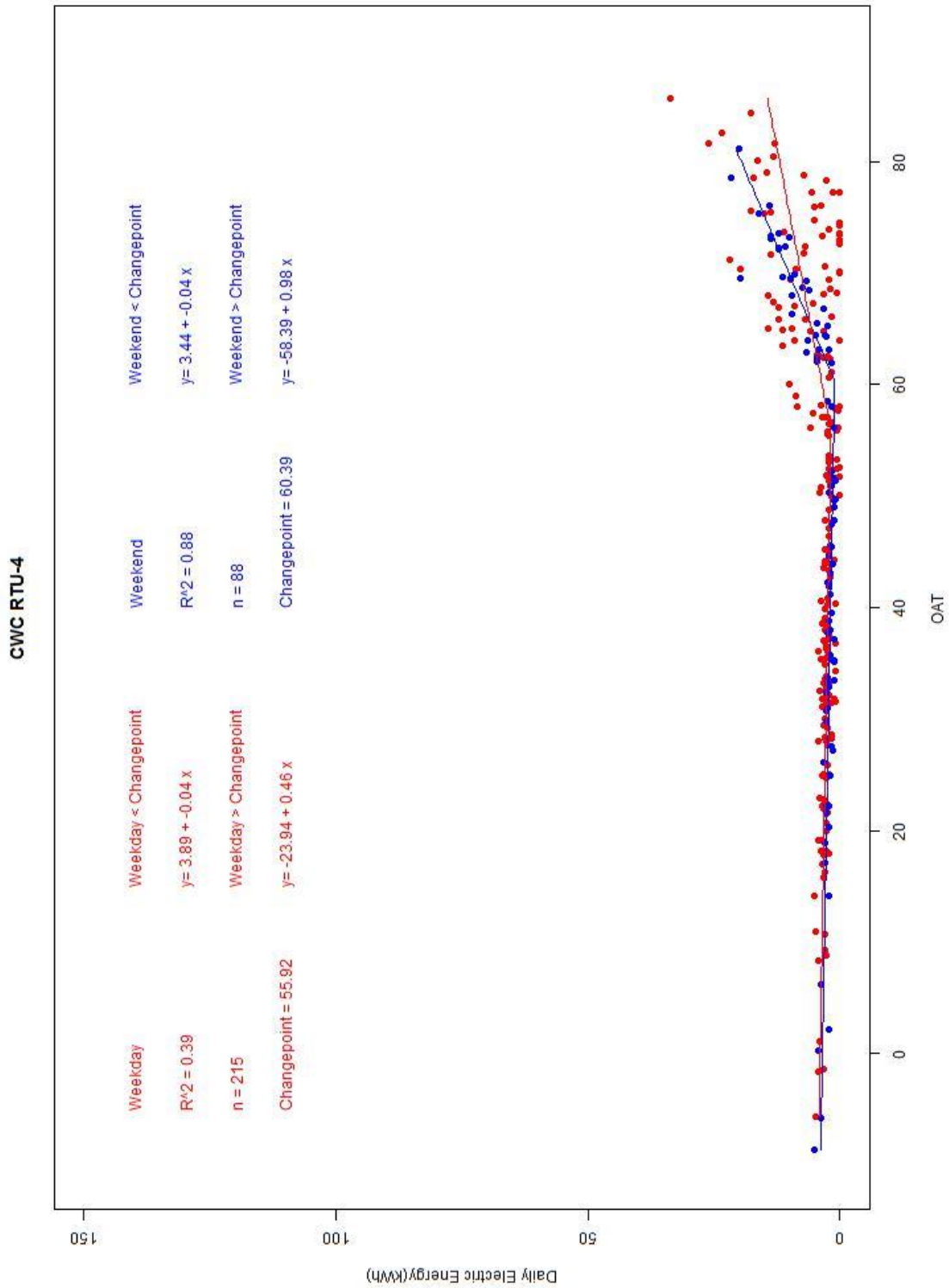


Figure 64: Site CWC RTU #5 Electric Model

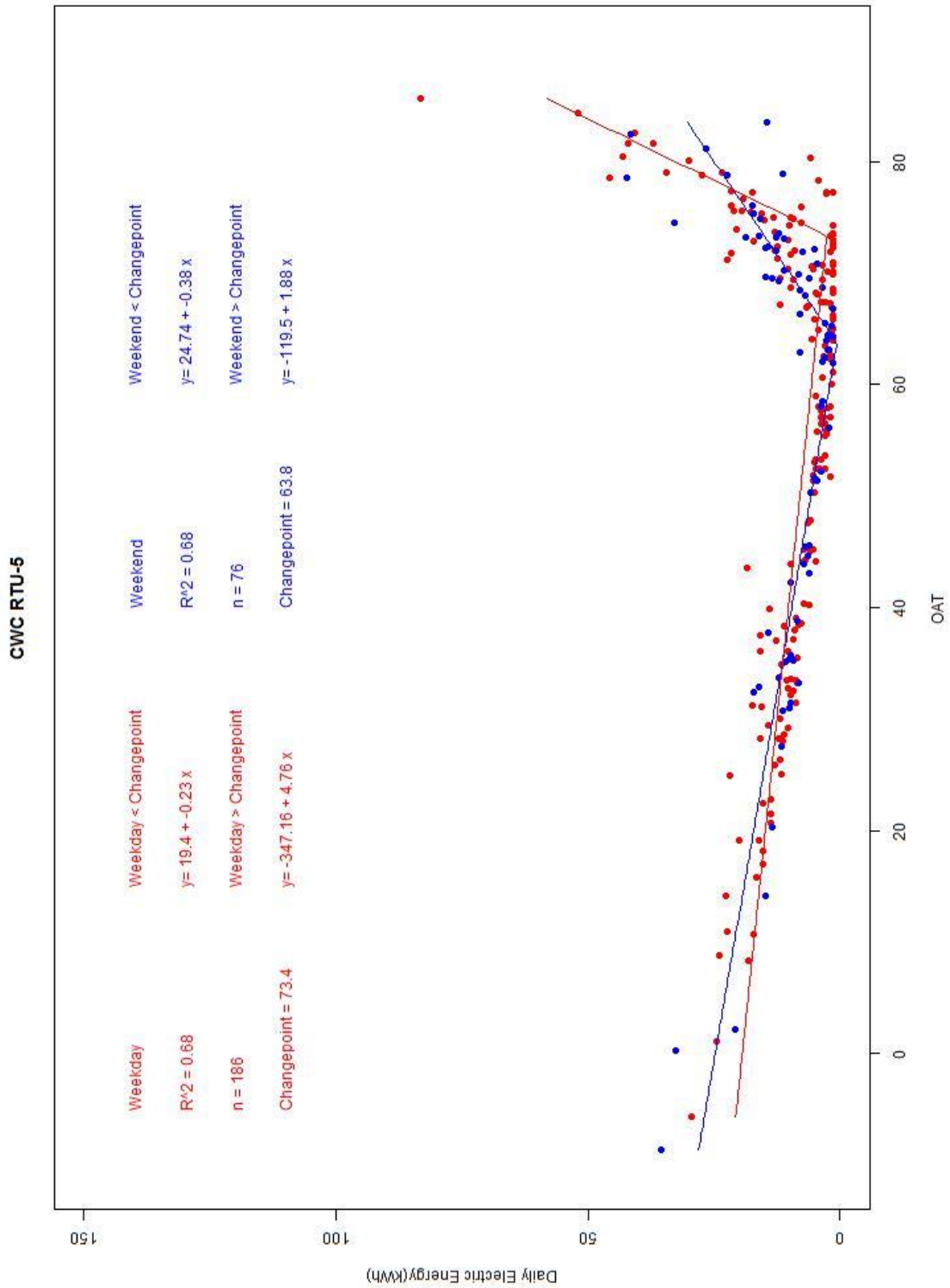


Figure 65: Site CWC RTU #6 Electric Model

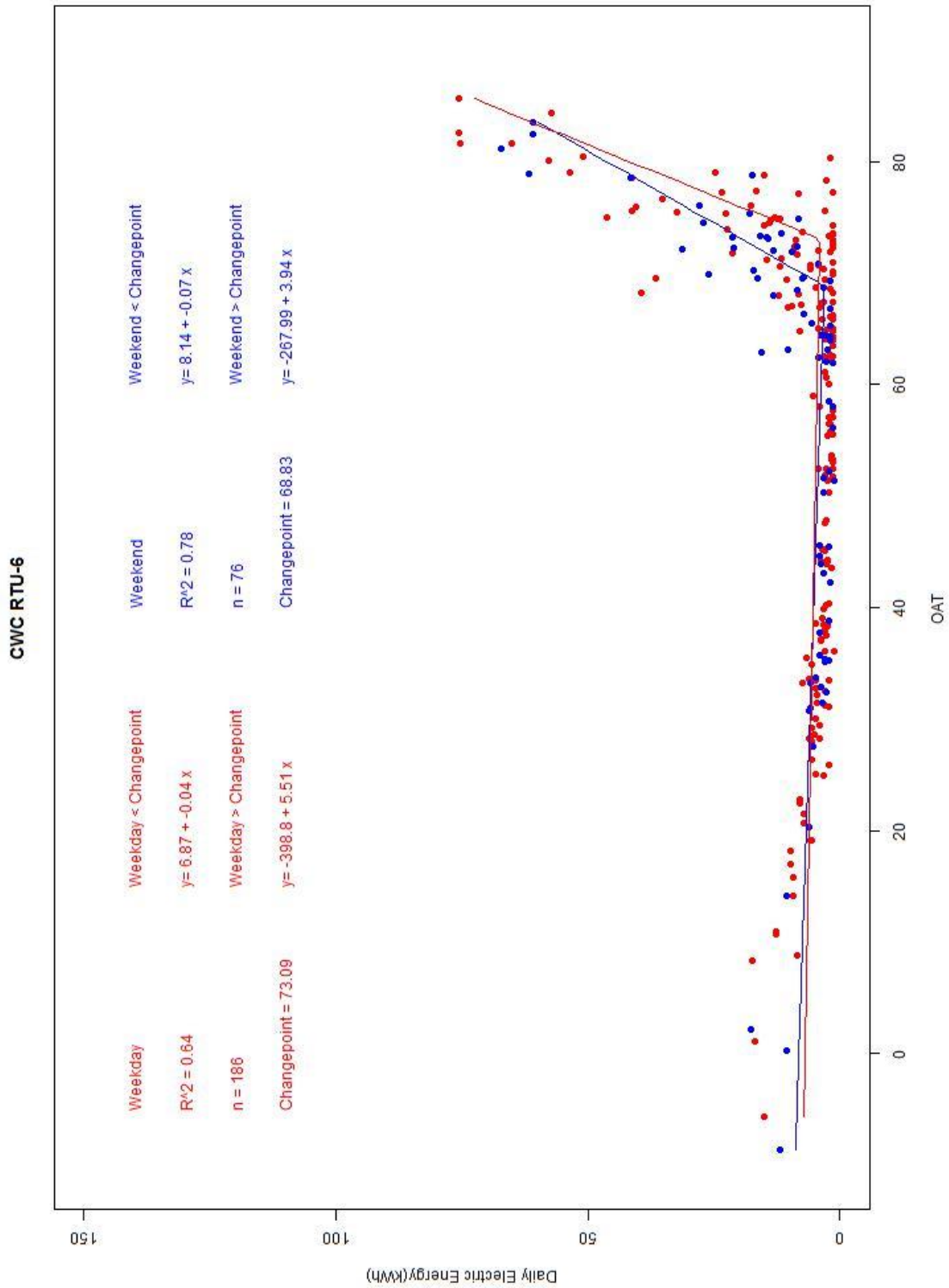


Figure 66: Site DAV Full Site Electric Model

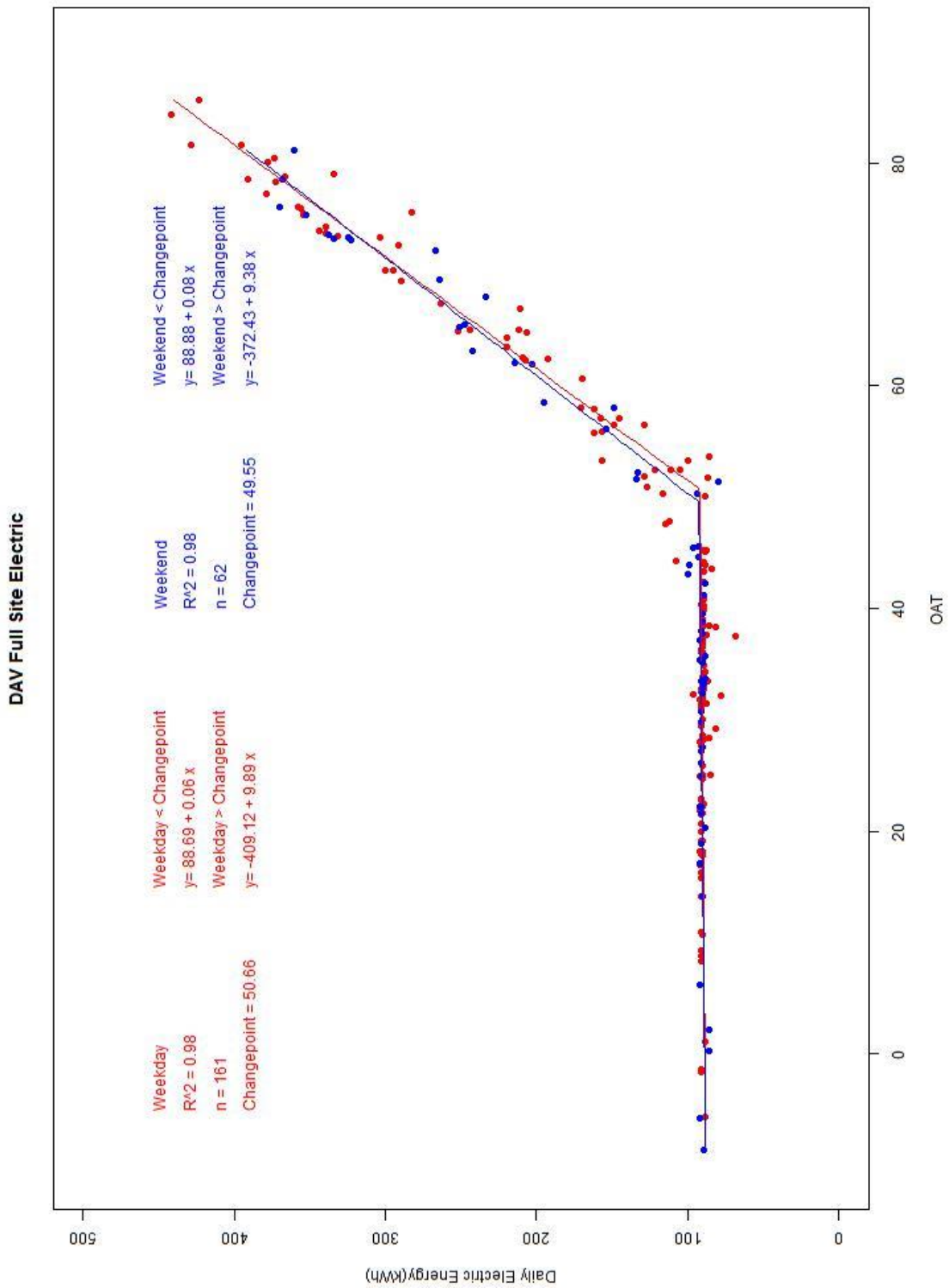


Figure 67: Site DAV RTU #1 Electric Model

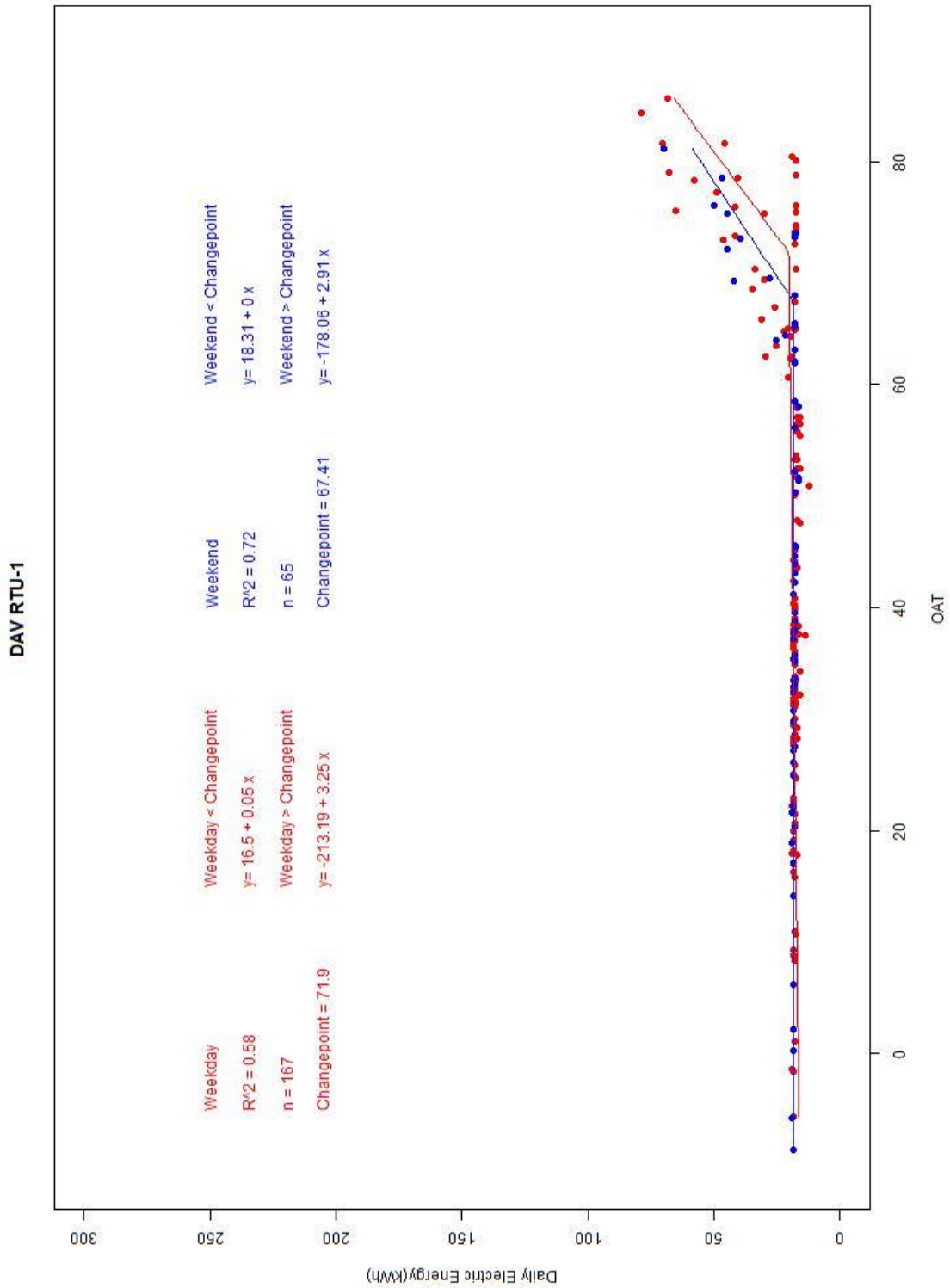


Figure 68: Site DAV RTU #2 Electric Model

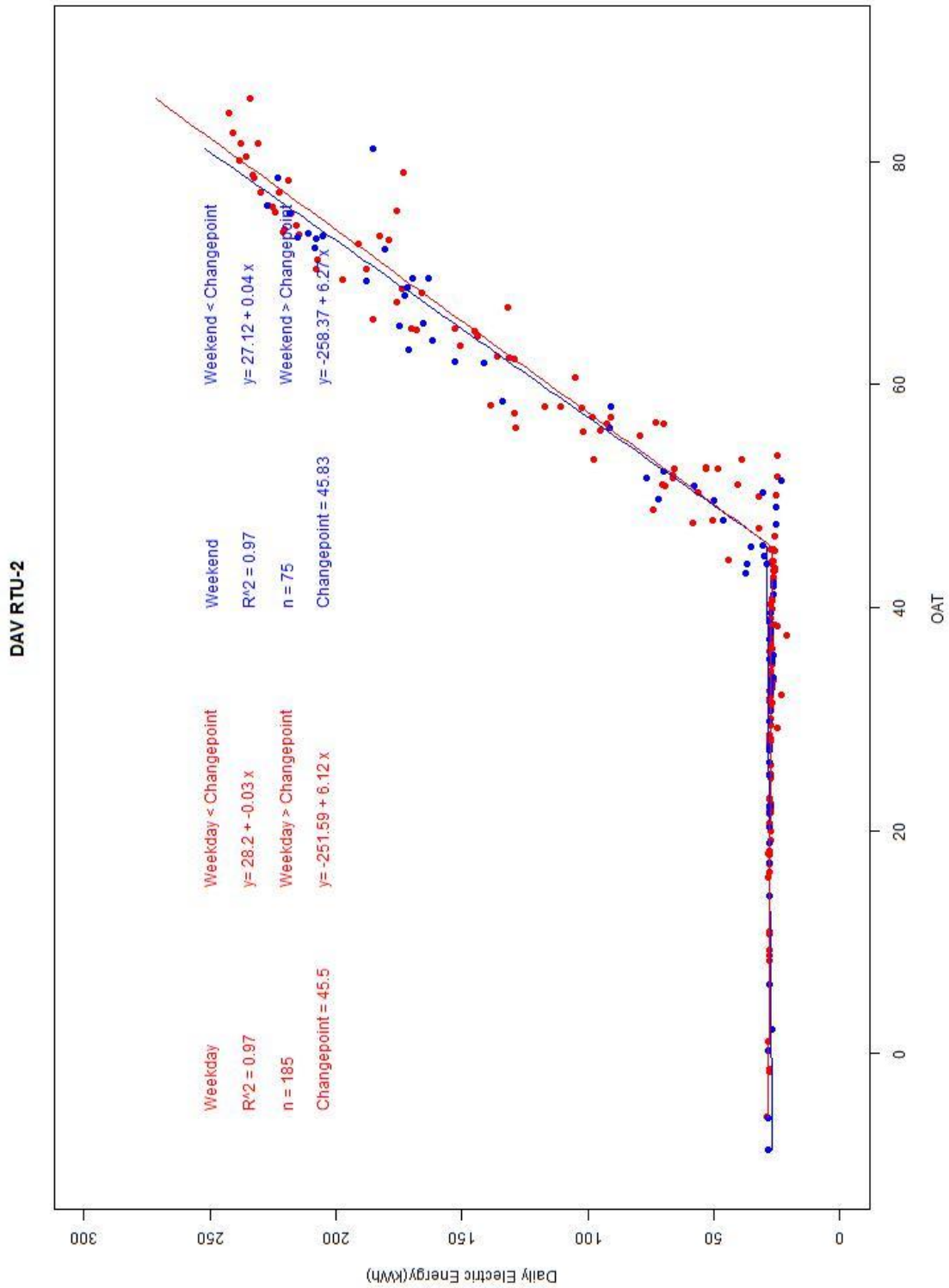


Figure 69: Site DAV RTU #3 Electric Model

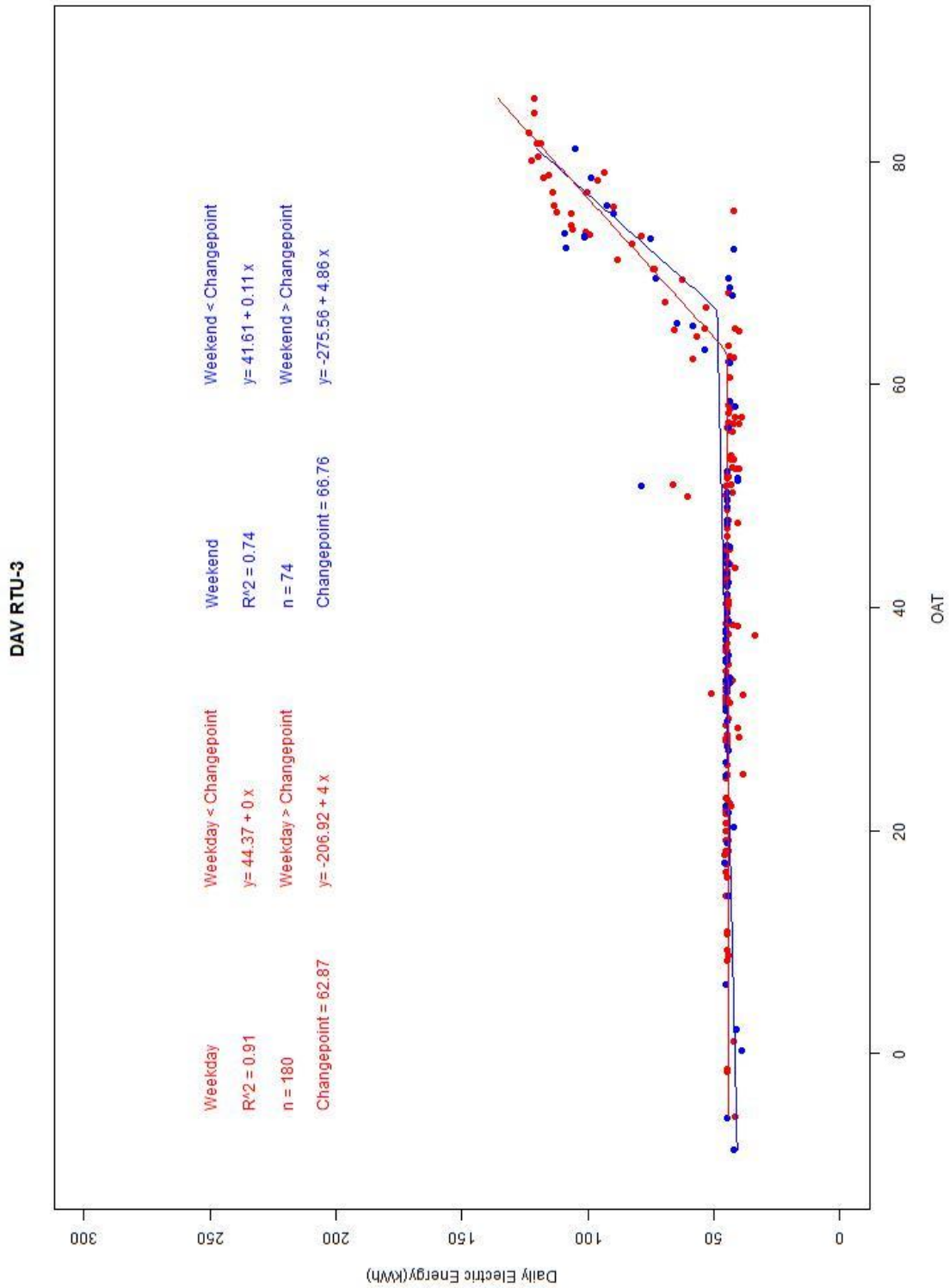


Figure 70: Site NUR RTU #1 Electric Model

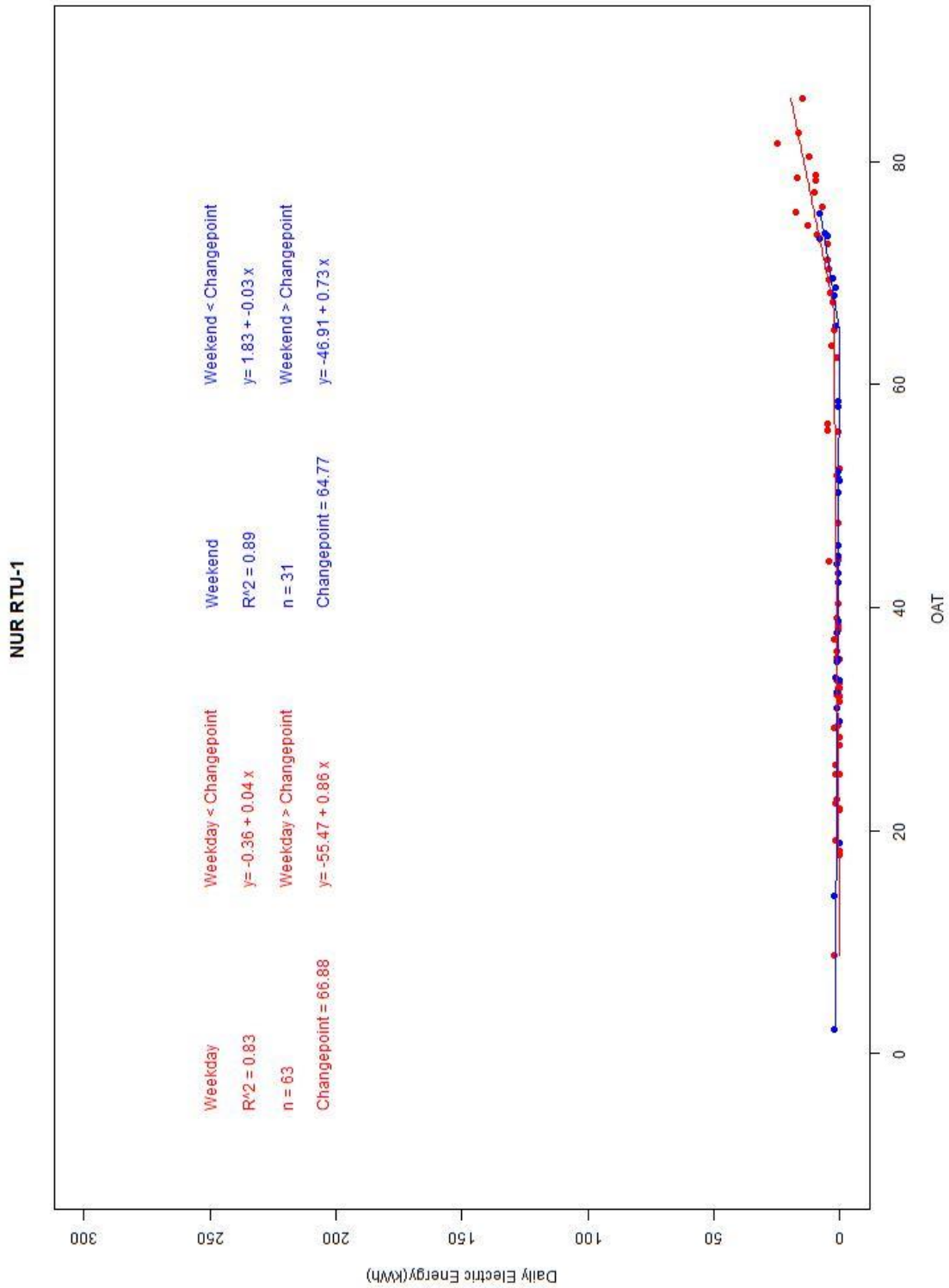


Figure 71: Site NUR RTU #2 Electric Model

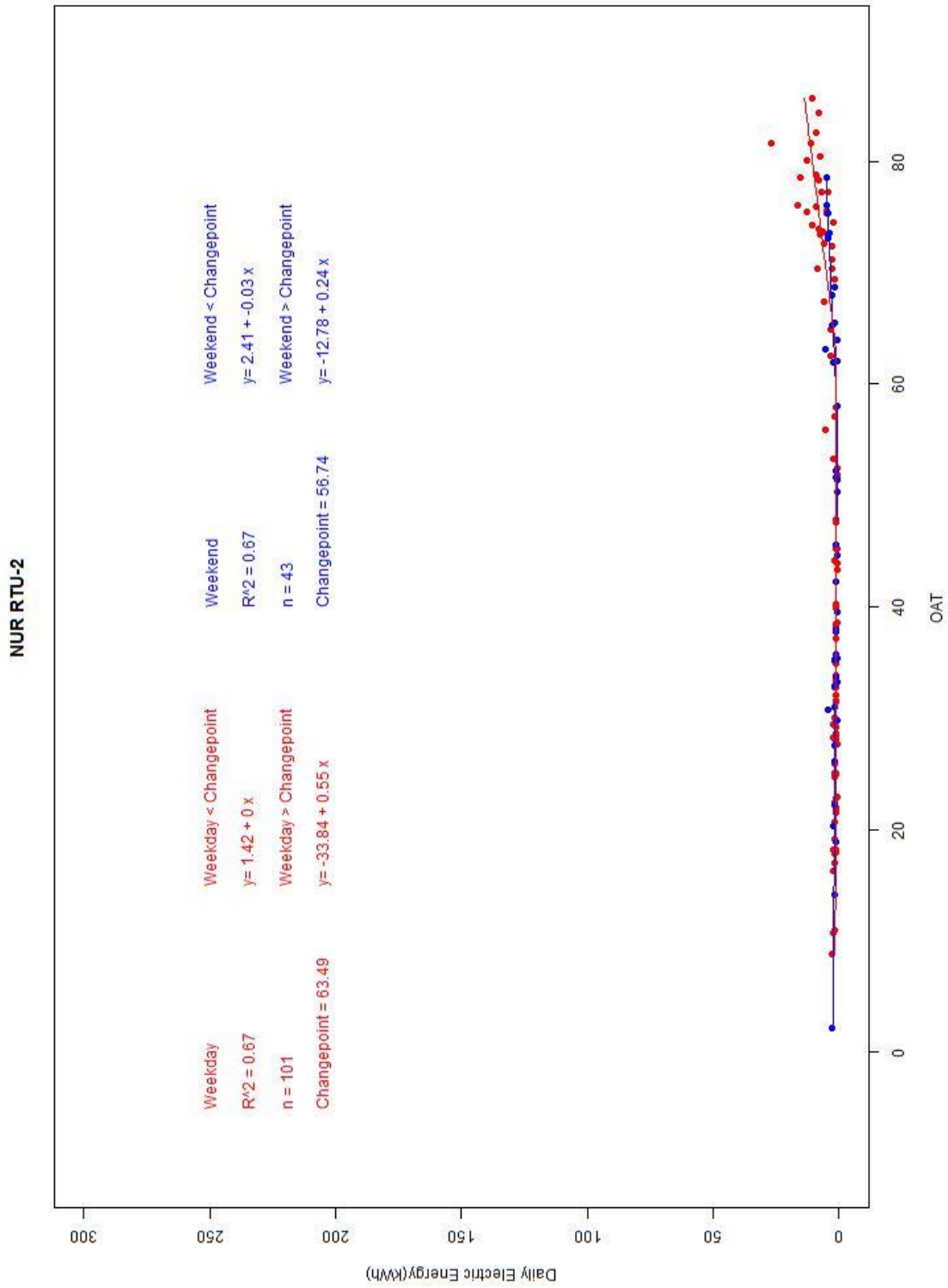


Figure 72: Site NUR RTU #3 Electric Model

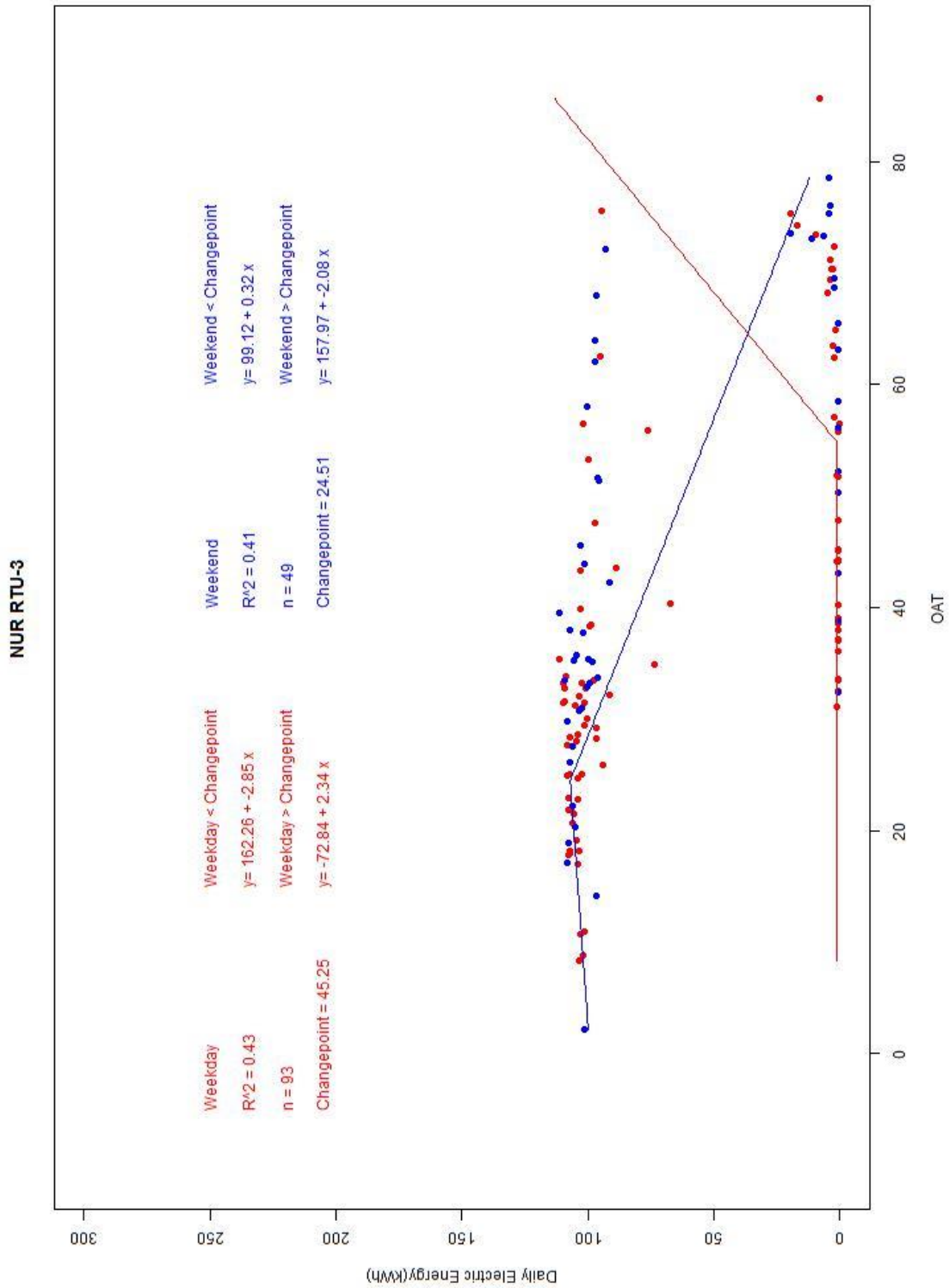


Figure 73: Site NUR RTU #4 Electric Model

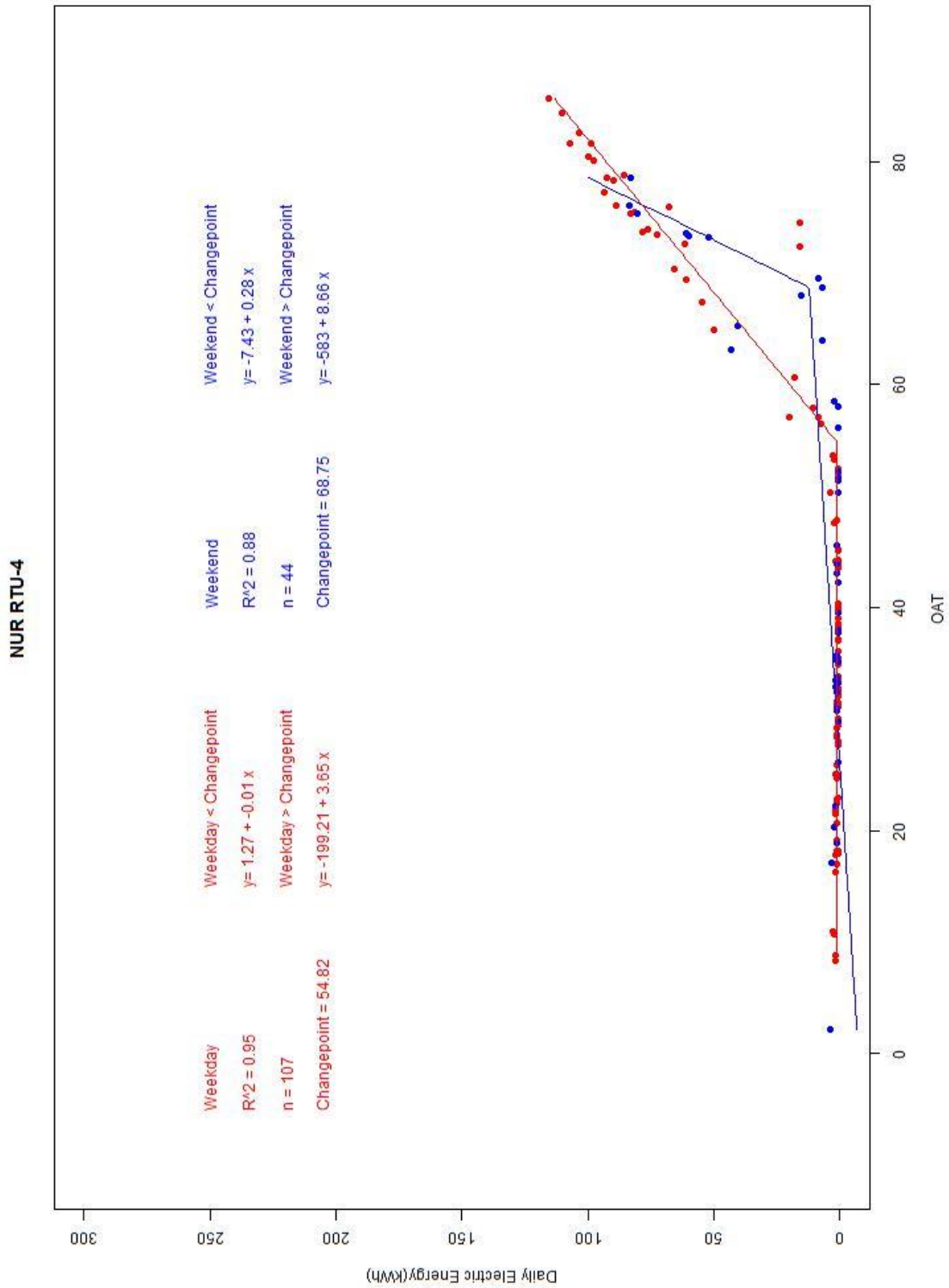


Figure 74: Site NUR RTU #5 Electric Model

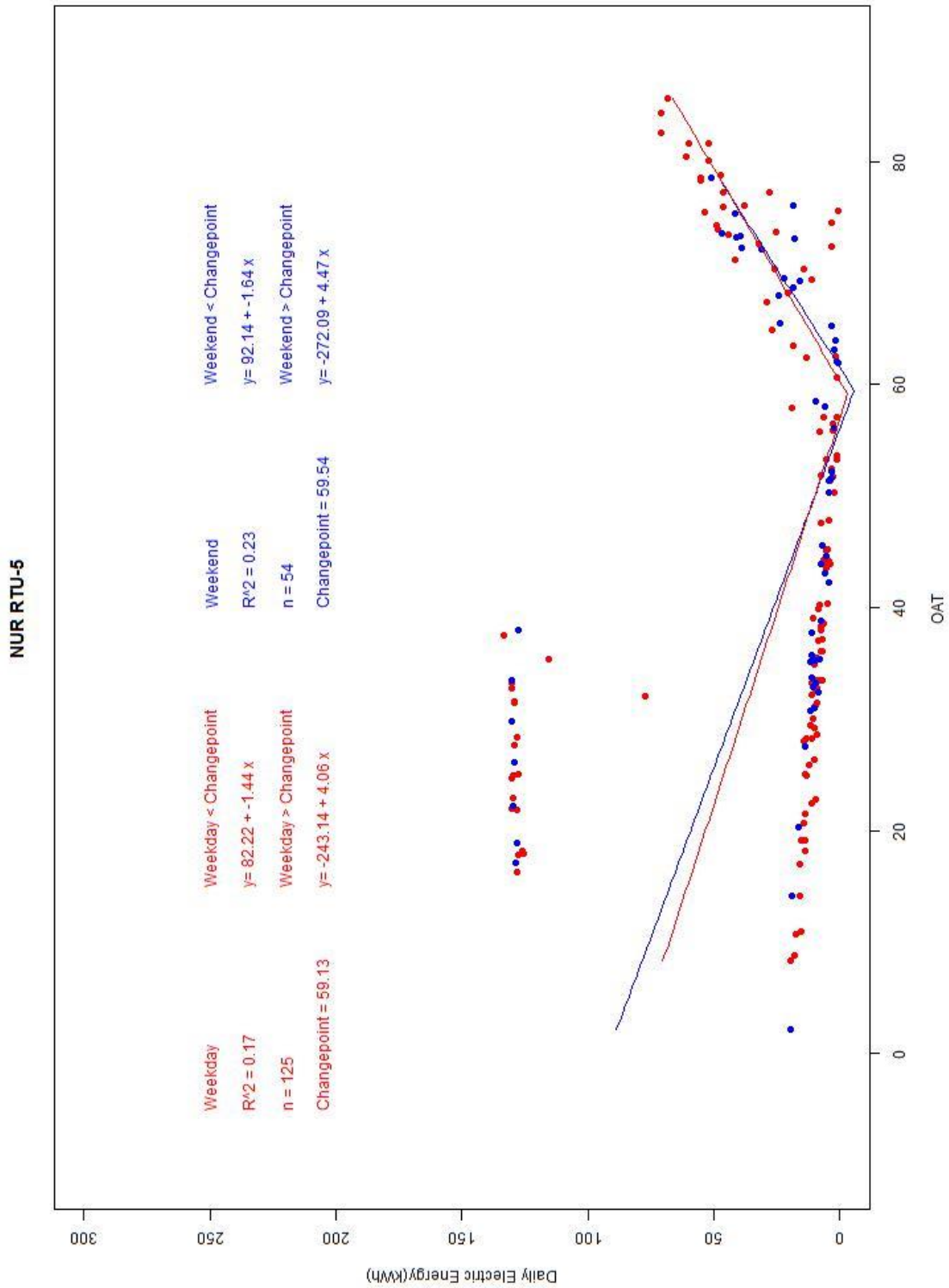


Figure 75: Site NUR RTU #6 Electric Model

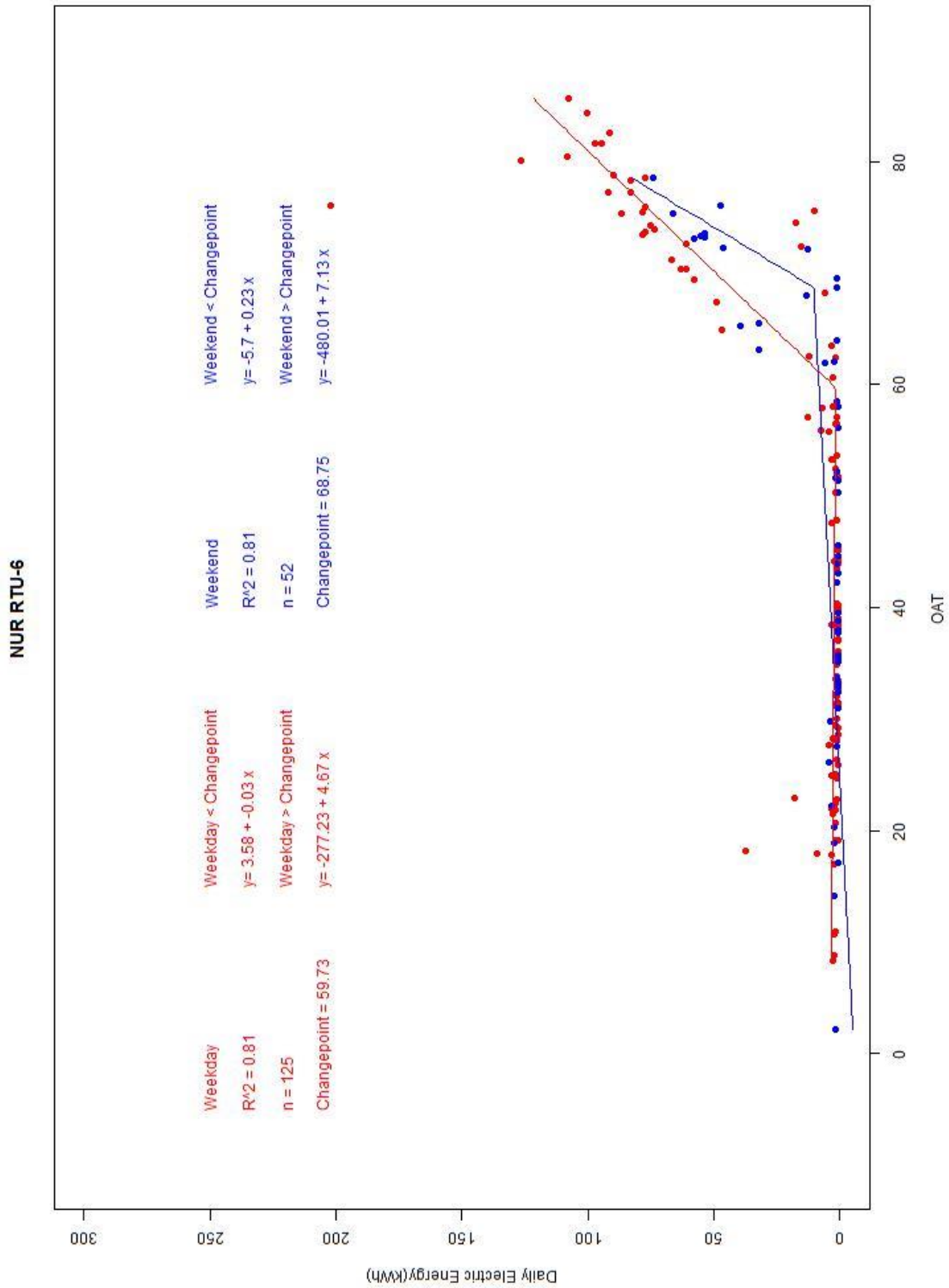


Figure 76: Site NUR RTU #7 Electric Model

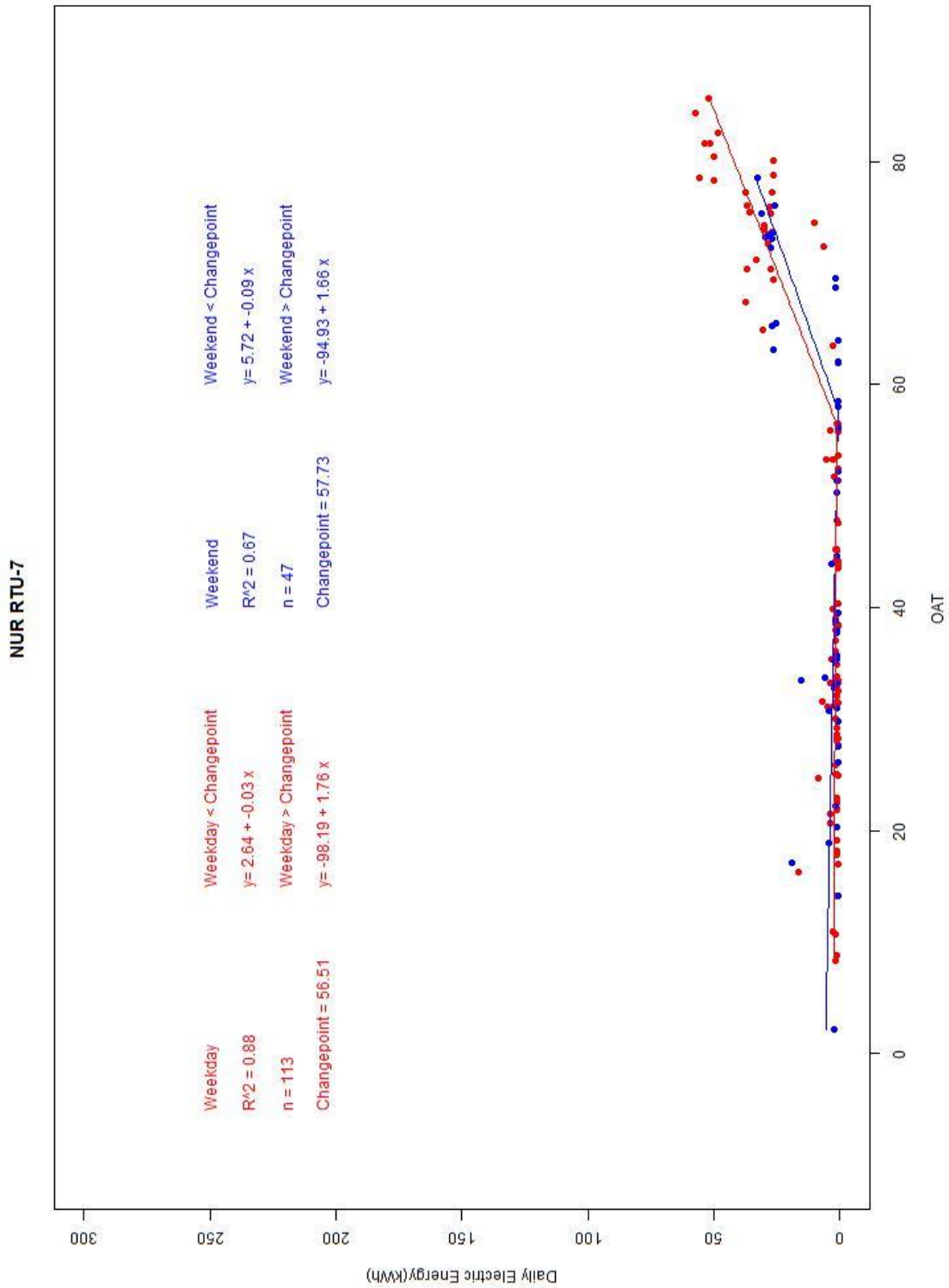


Figure 77: Site NUR RTU #8 Electric Model

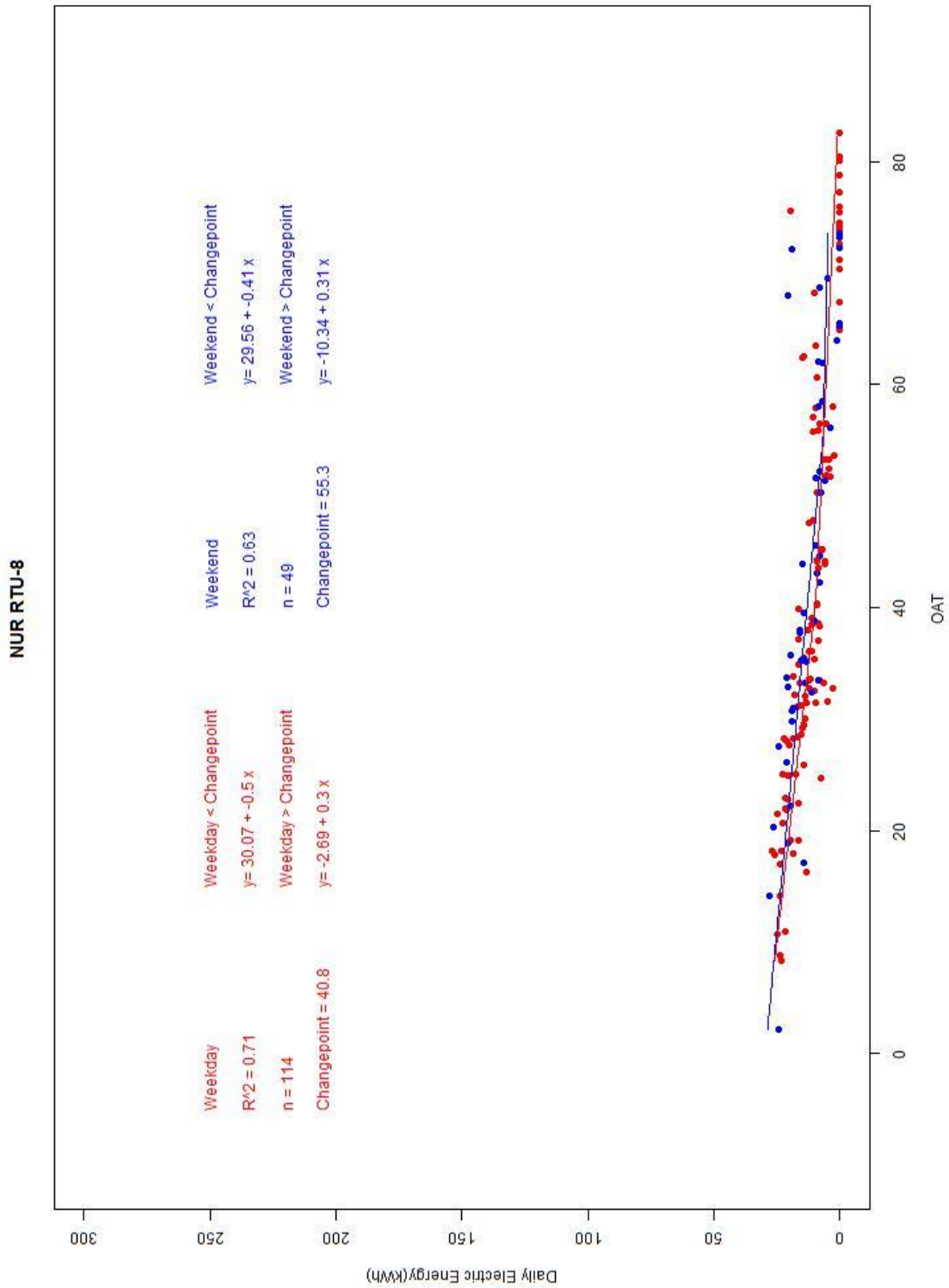


Figure 78: Site SEW Full Site Electric Model

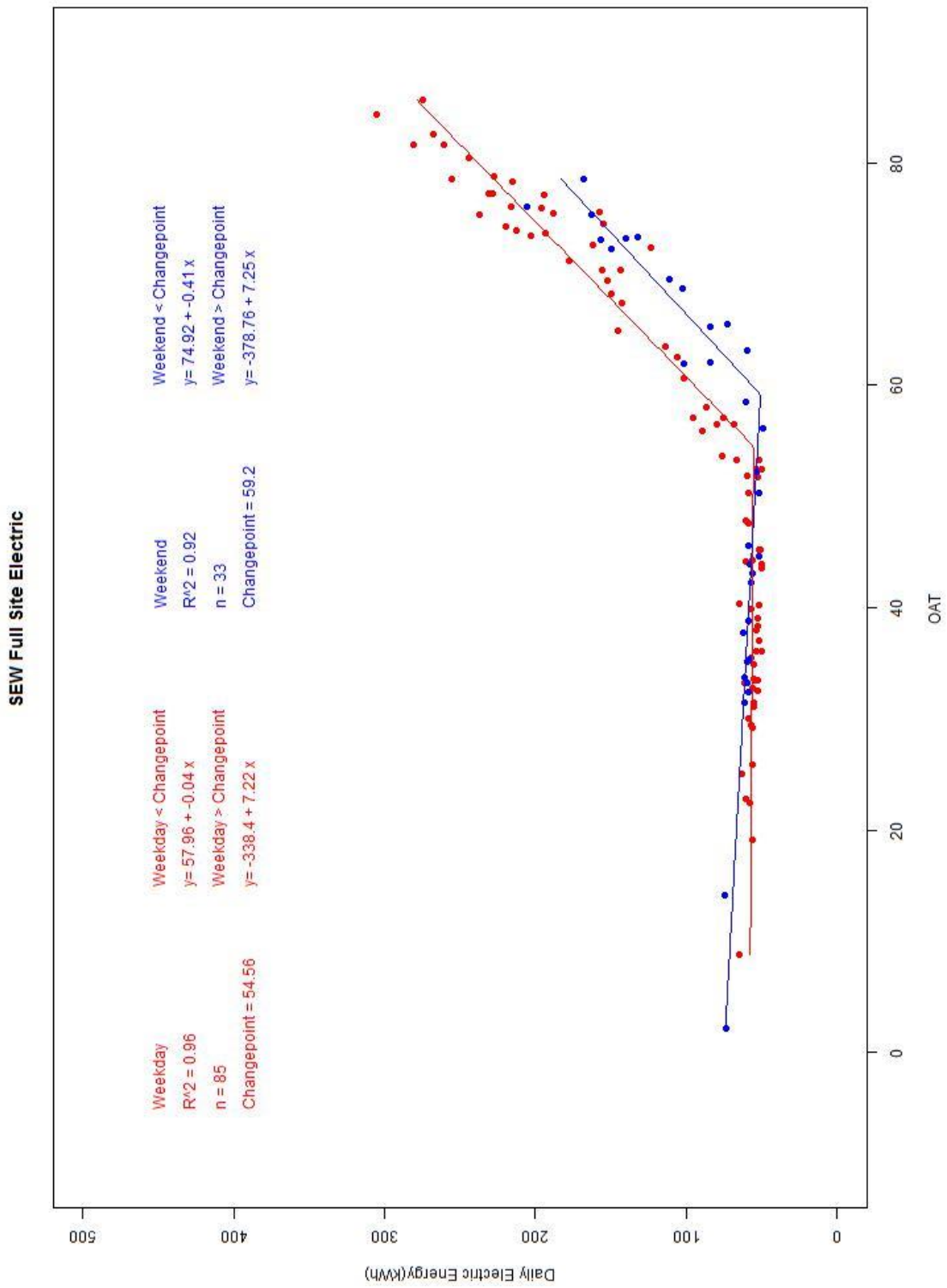


Figure 79: Site SEW RTU #1 Electric Model

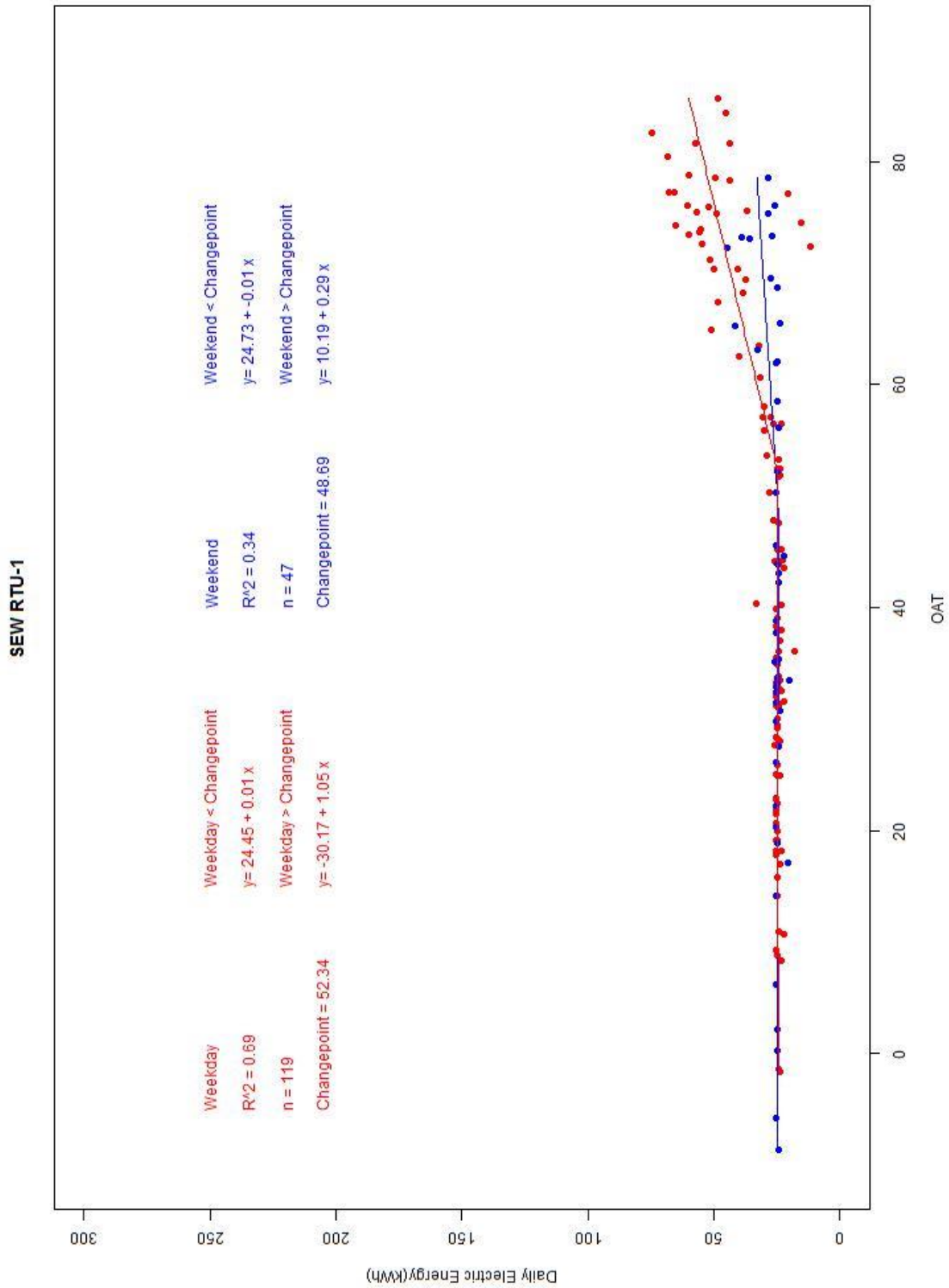


Figure 80: Site SEW RTU #2 Electric Model

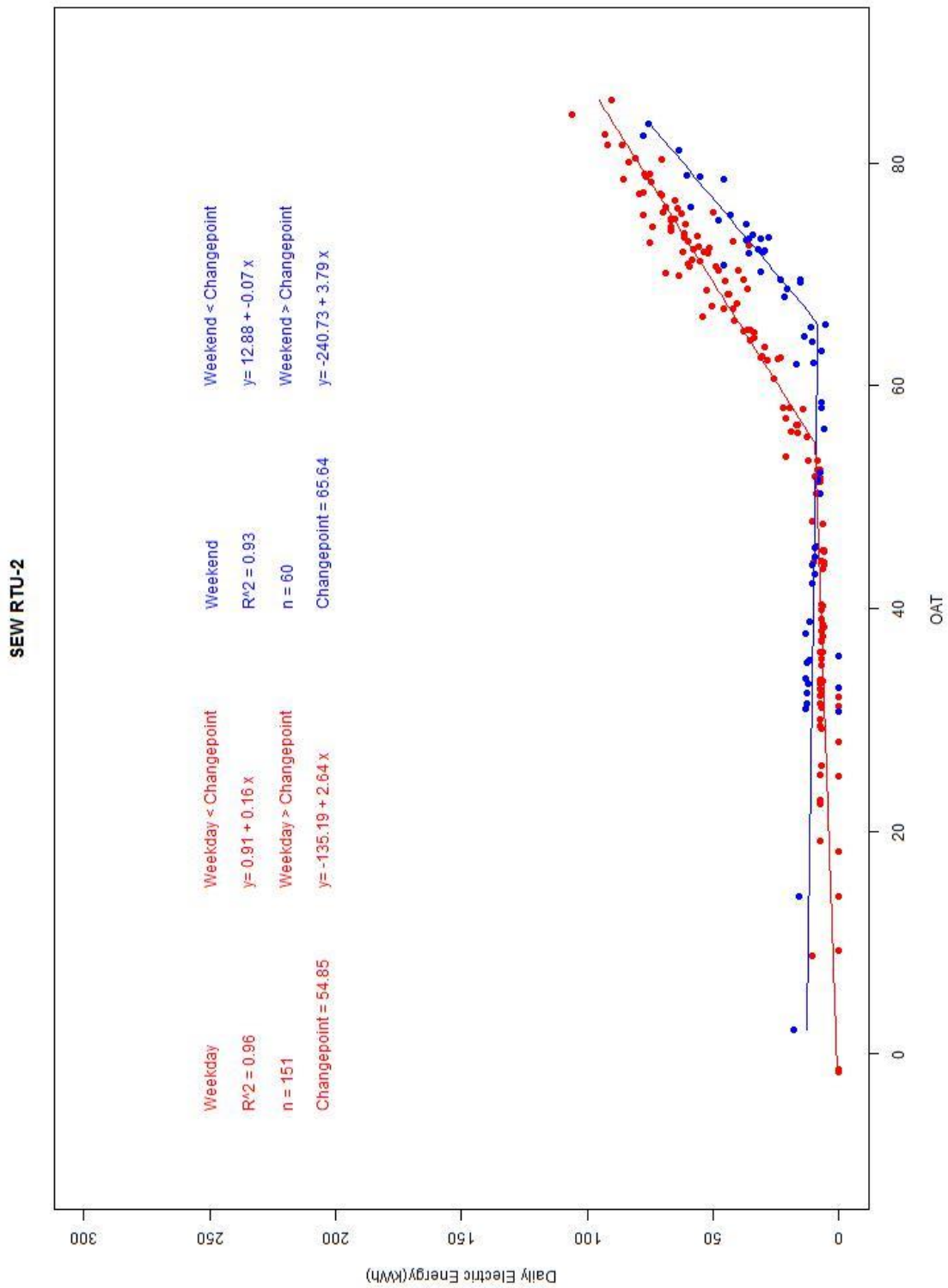


Figure 81: Site SEW RTU #3 Electric Model

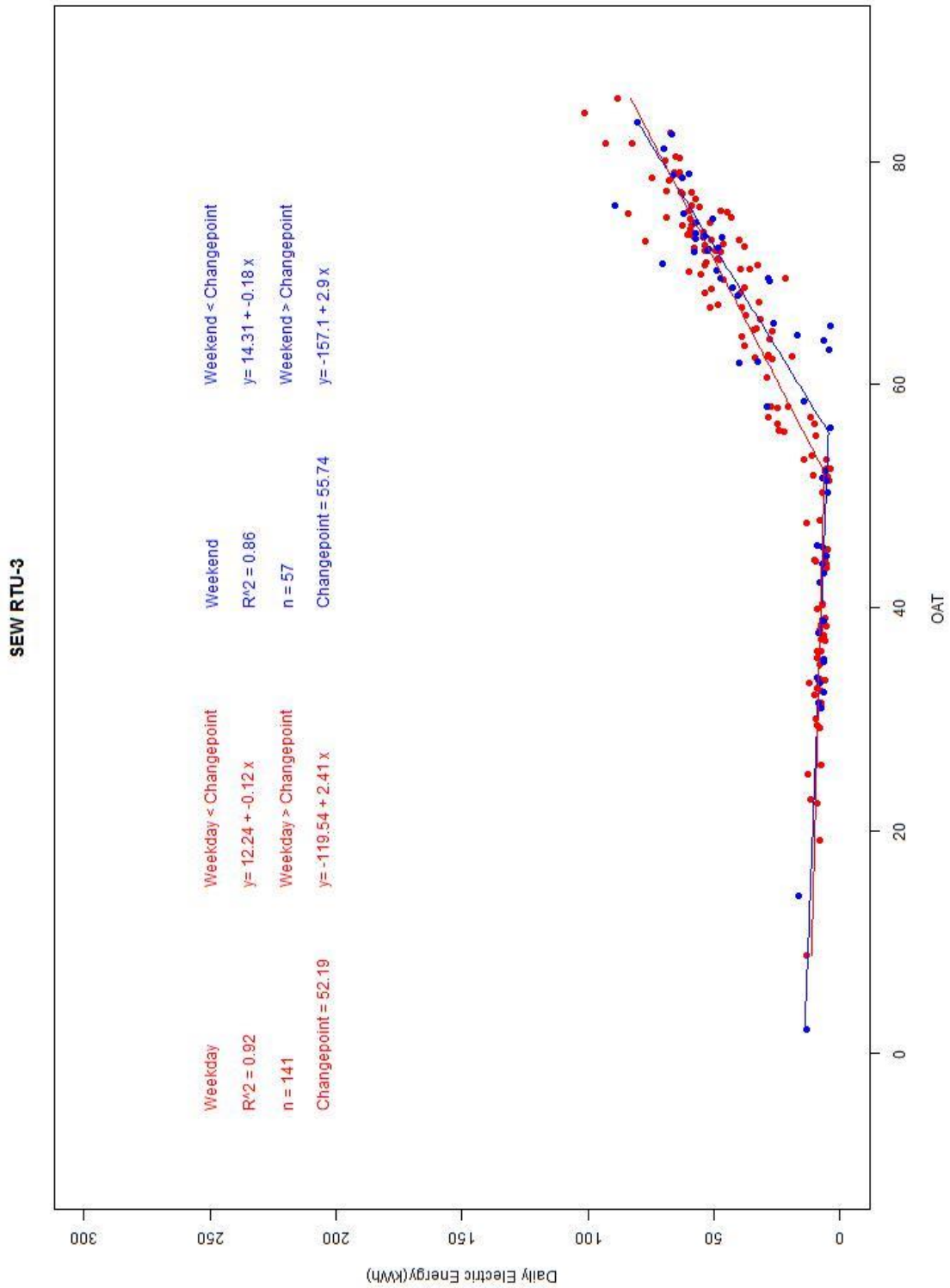


Figure 82: Site SEW RTU #4 Electric Model

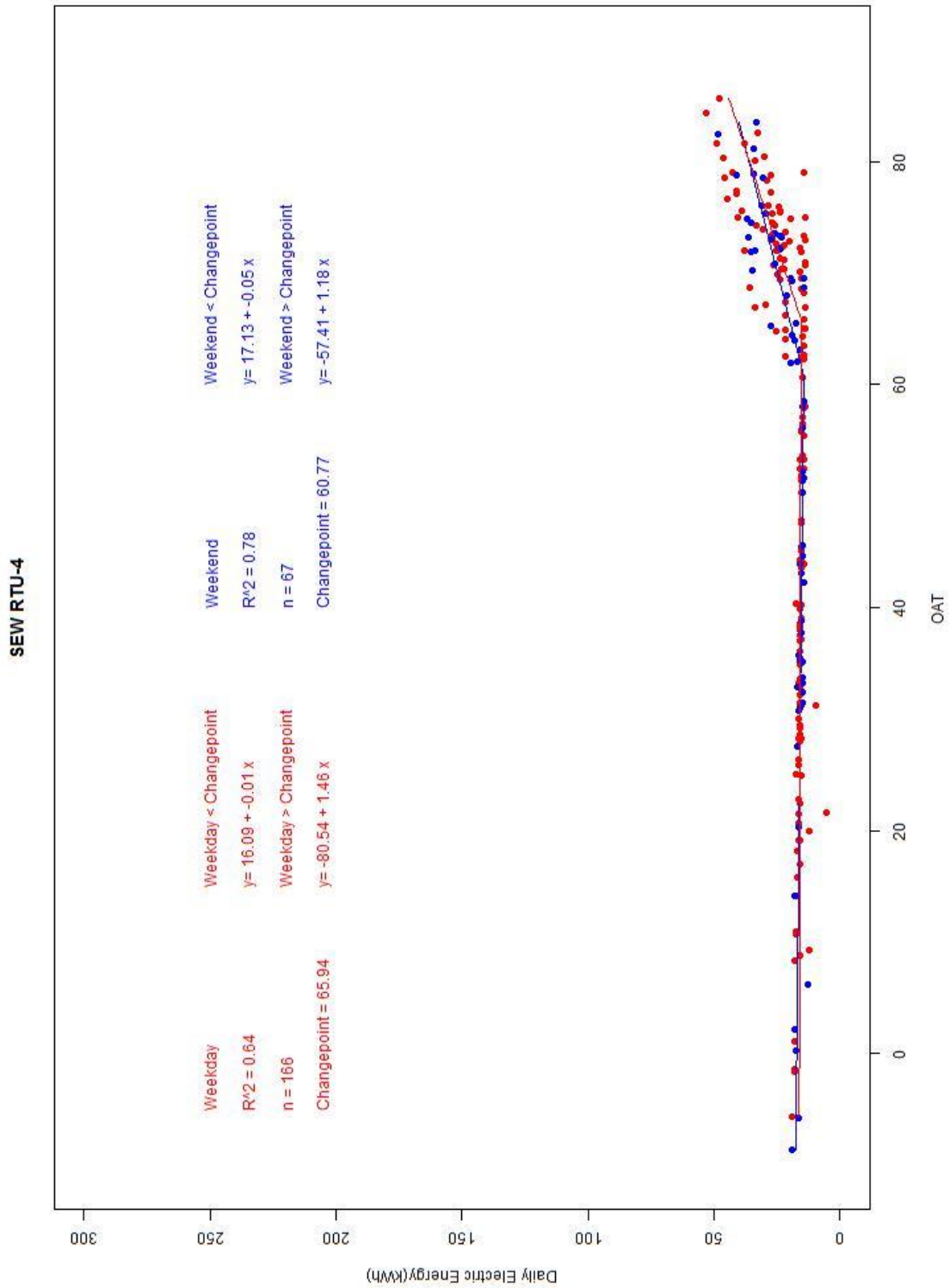


Figure 83: Site TFB Full Site Electric Model

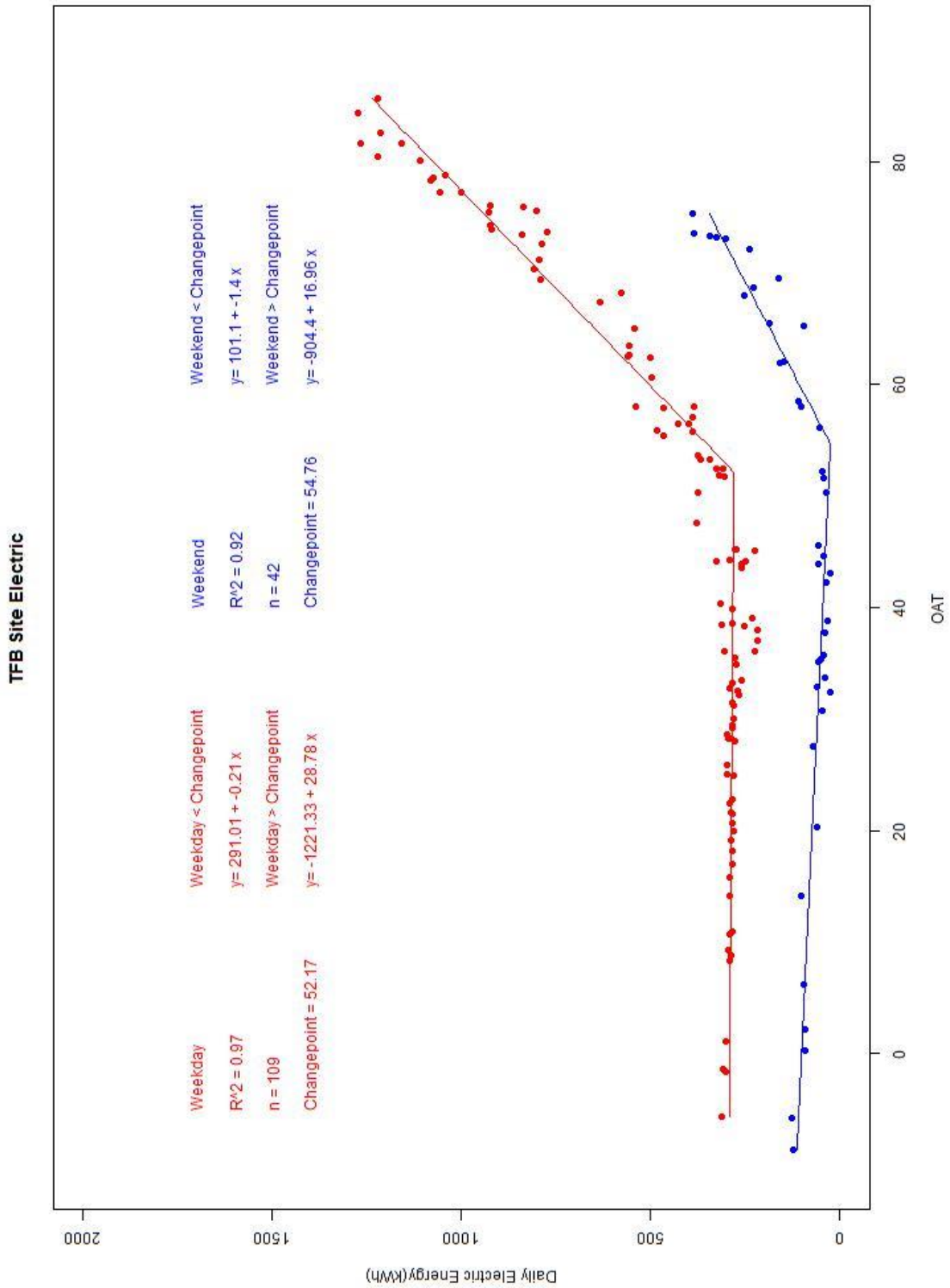


Figure 84: Site TFB RTU #1 Electric Model

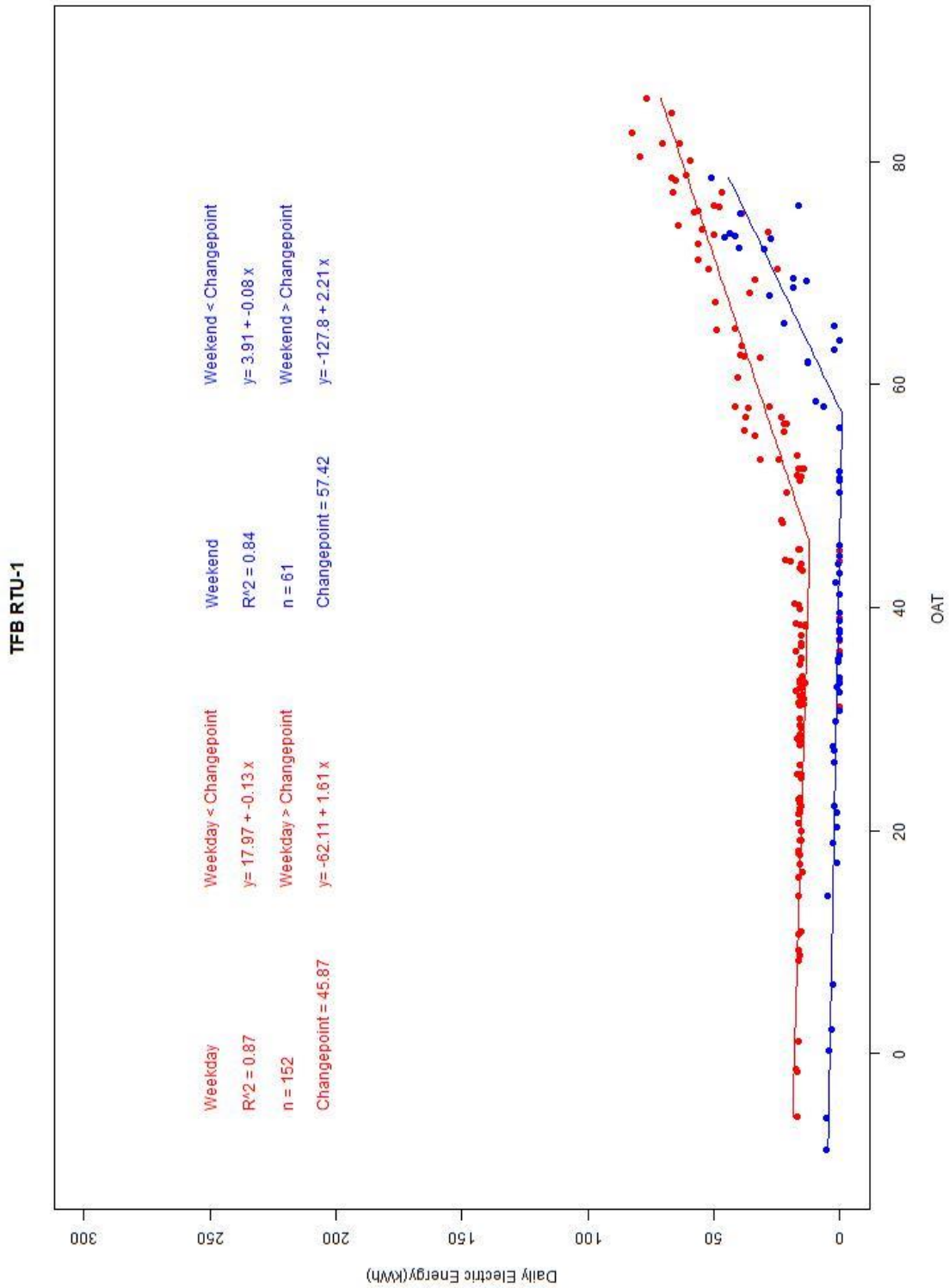


Figure 85: Site TFB RTU #2 Electric Model

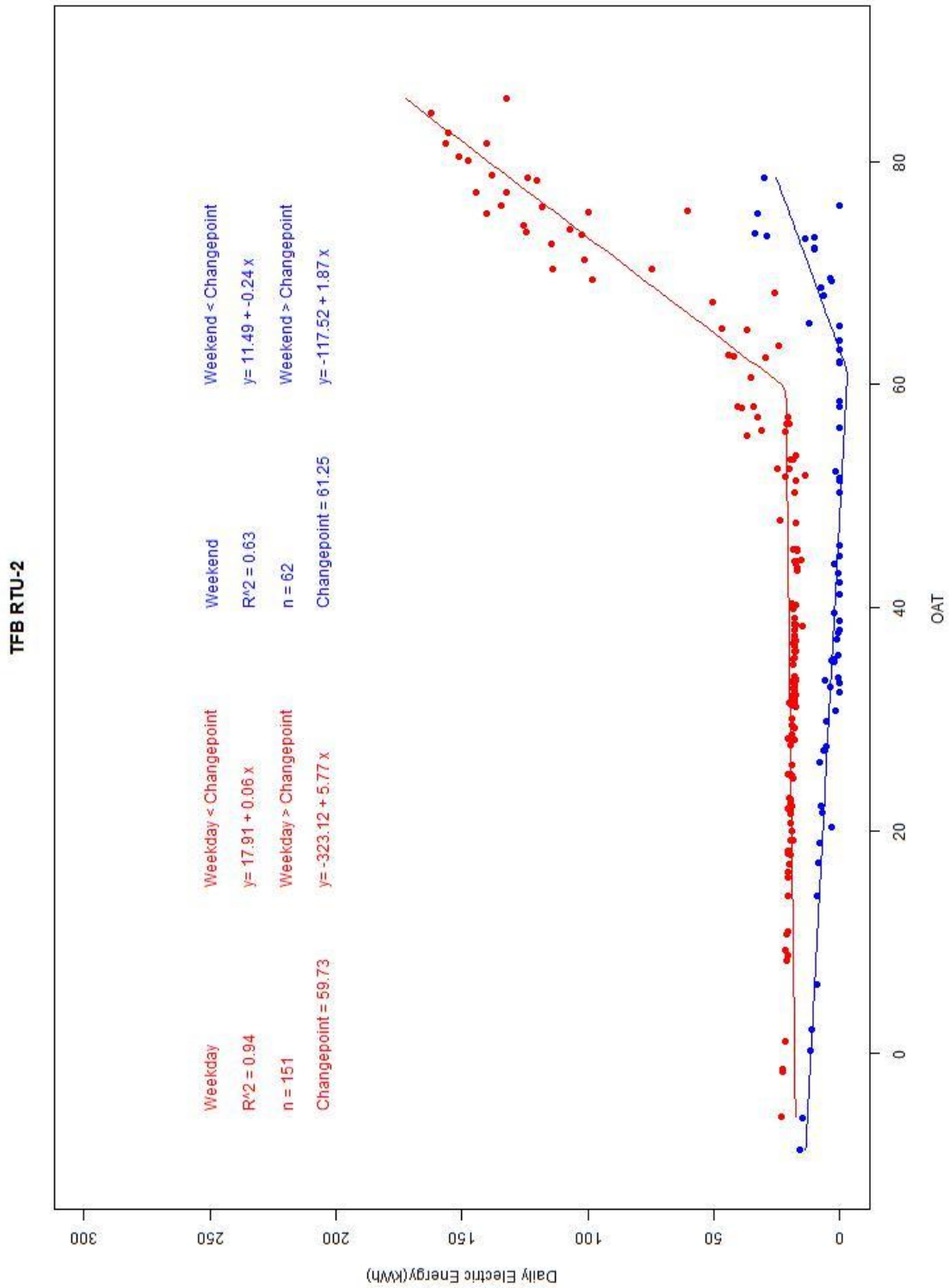


Figure 86: Site TFB RTU #3 Electric Model

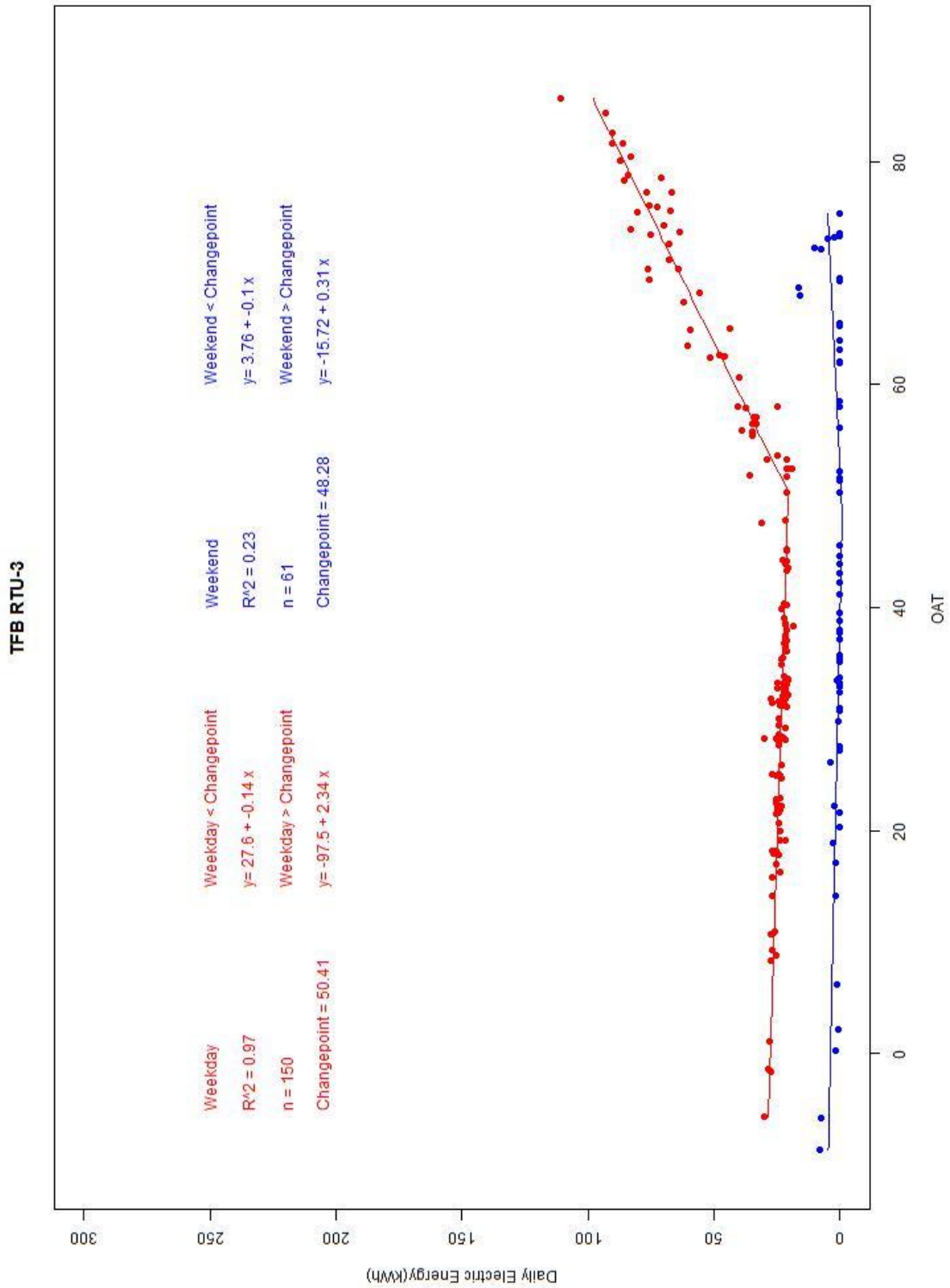


Figure 87: Site TFB RTU #4 Electric Model

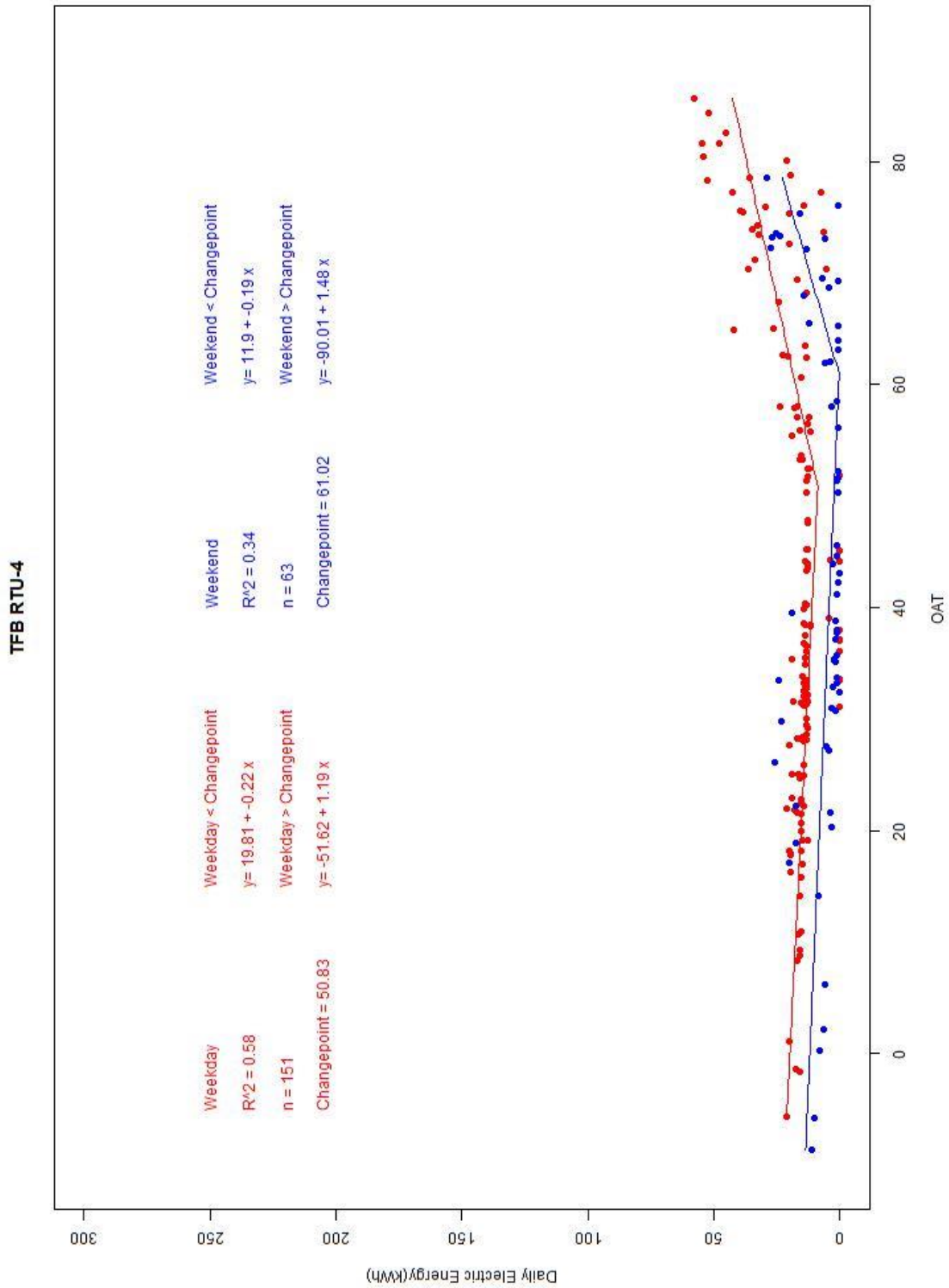


Figure 88: Site TFB RTU #5 Electric Model

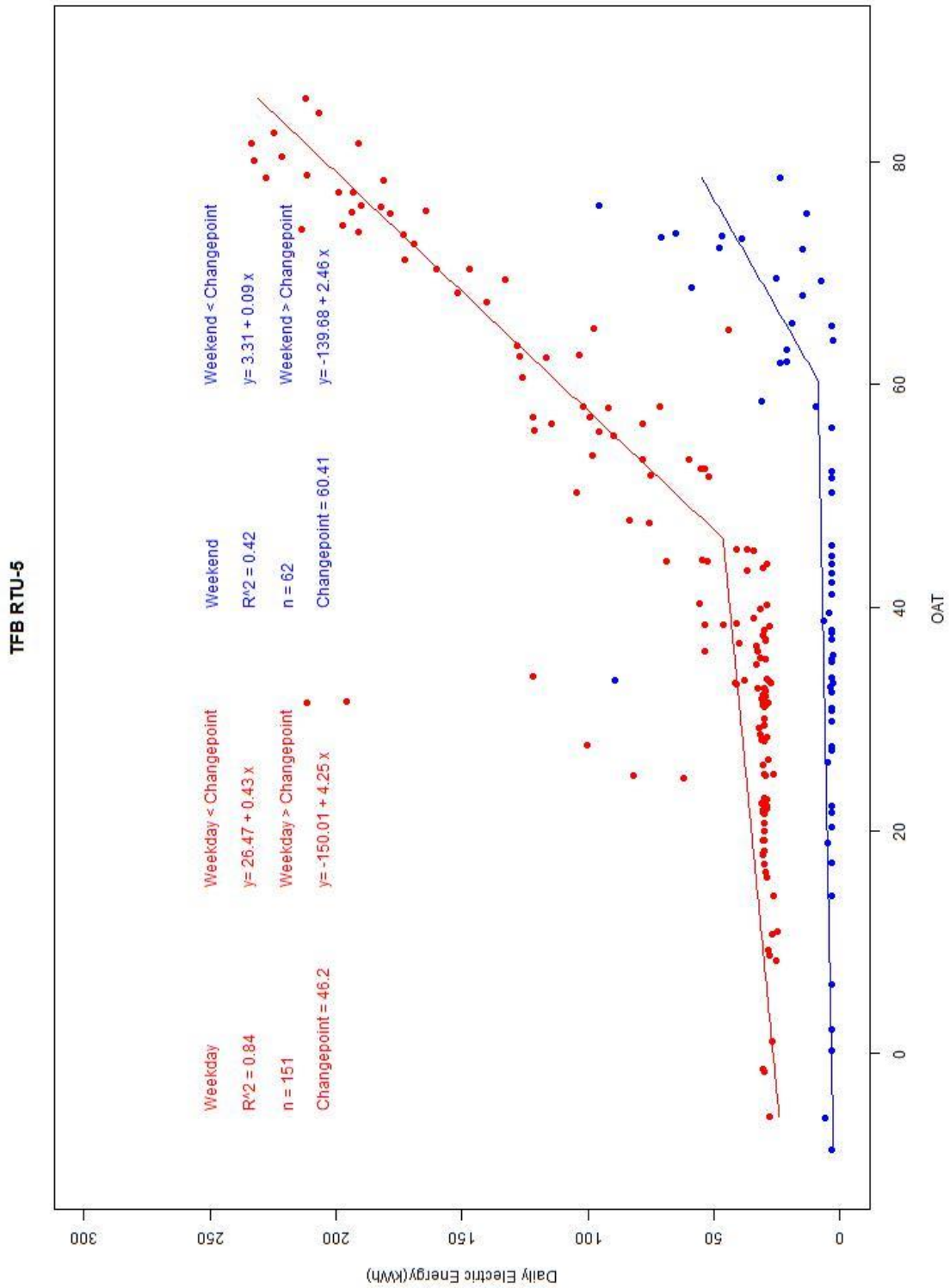


Figure 89: Site TFB RTU #6 Electric Model

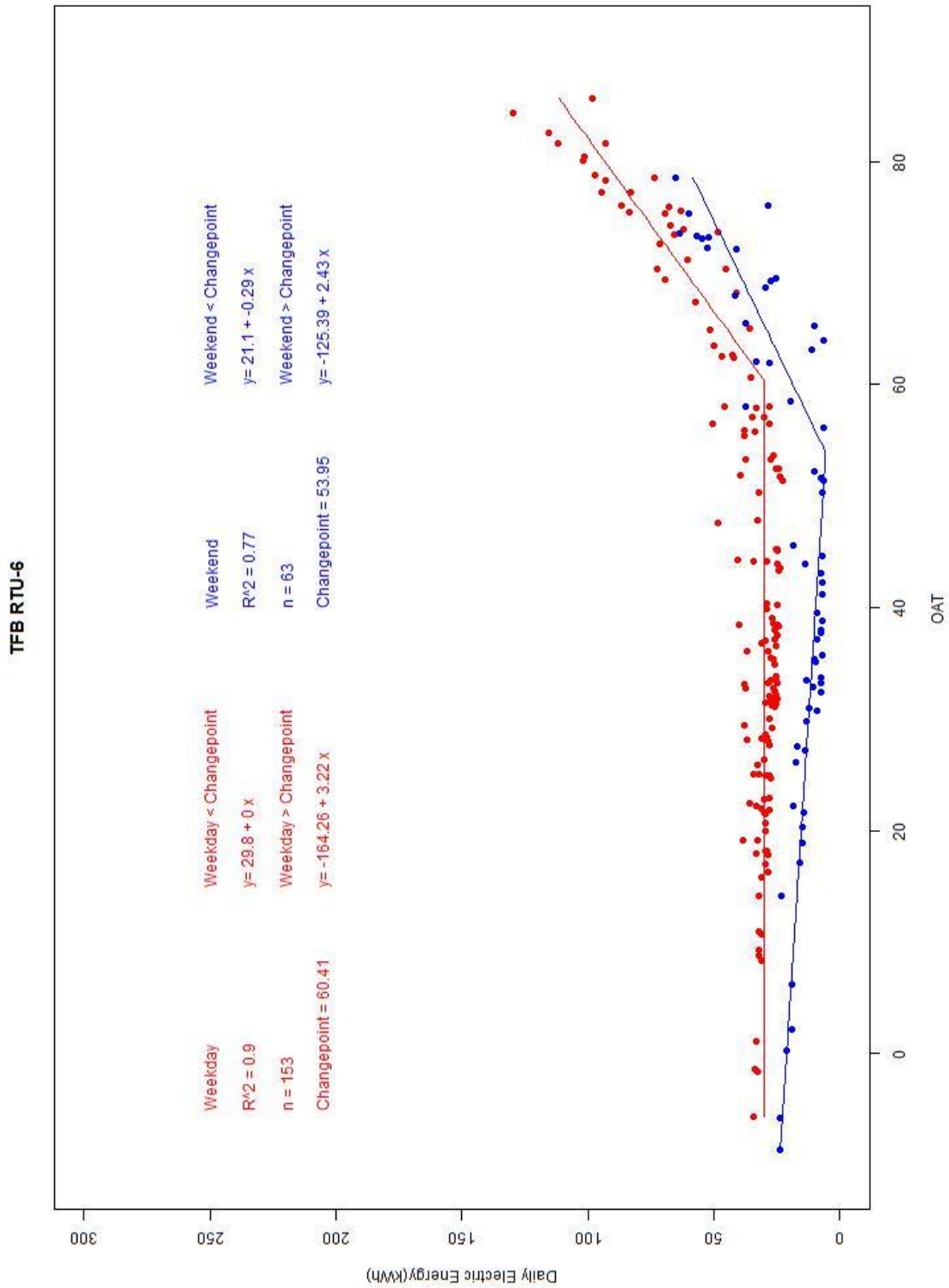


Figure 90: Site TFB RTU #7 Electric Model

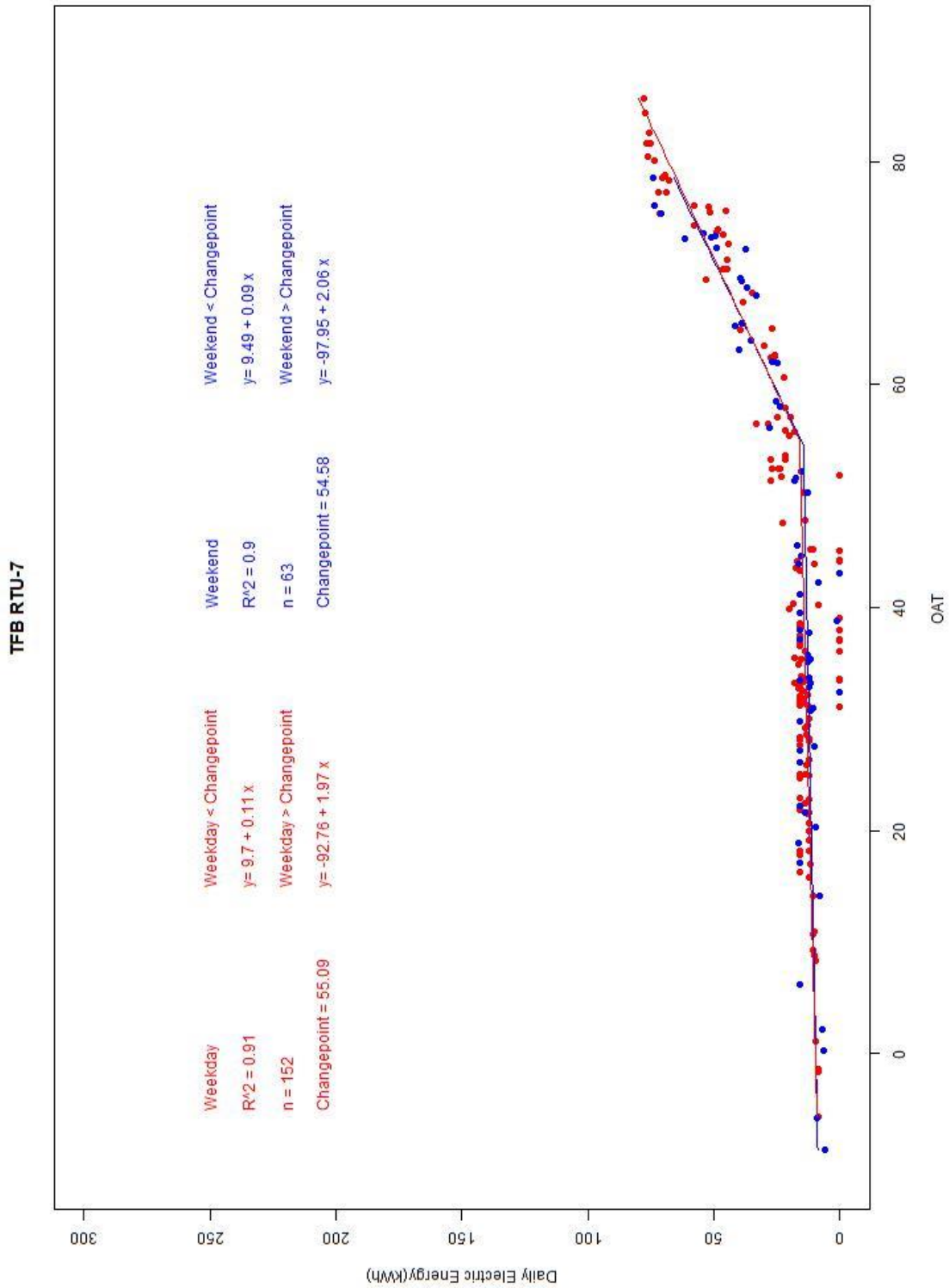


Figure 91: Site TFB RTU #8 Electric Model

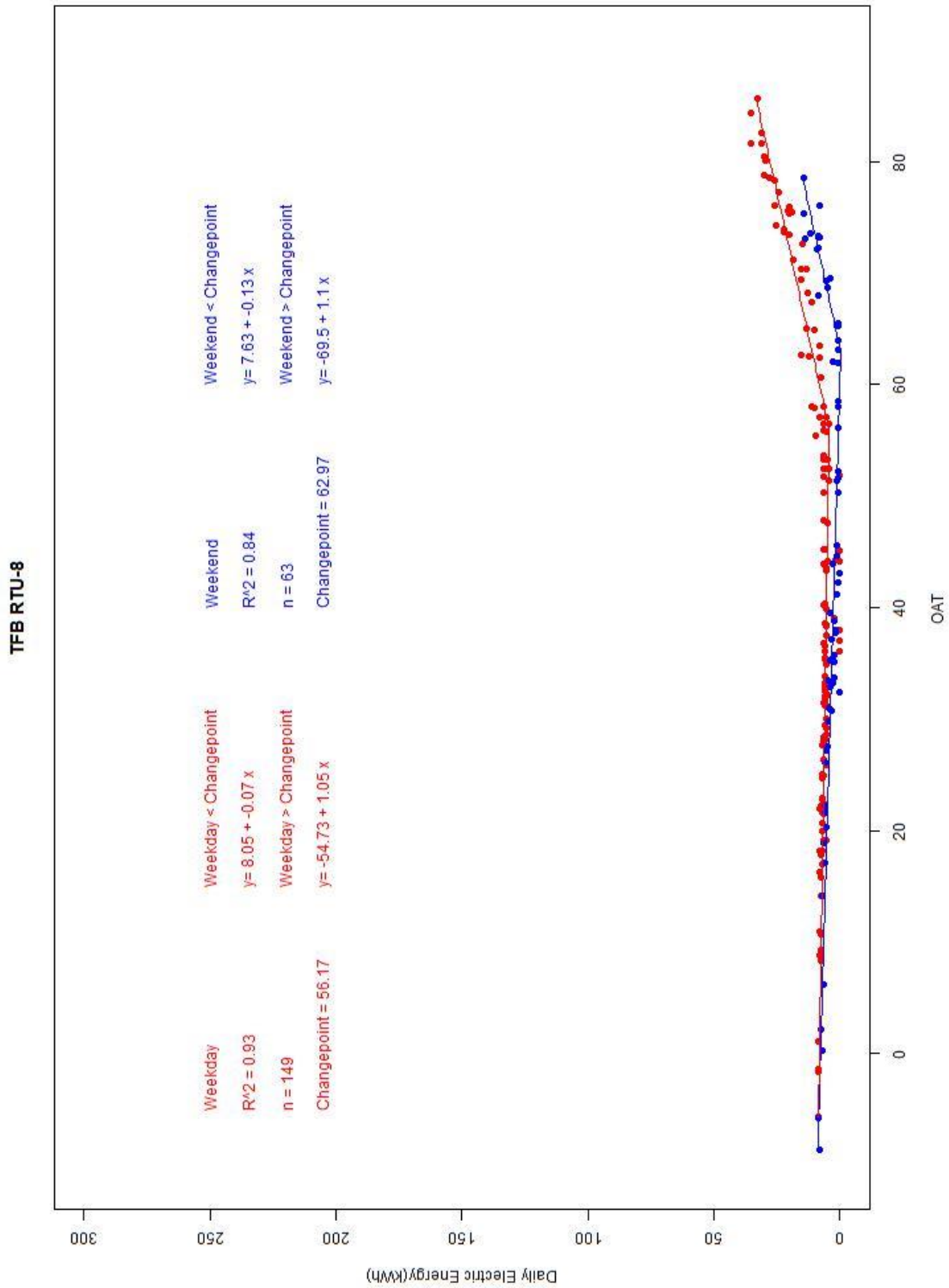


Figure 92: Site TFB RTU #9 Electric Model

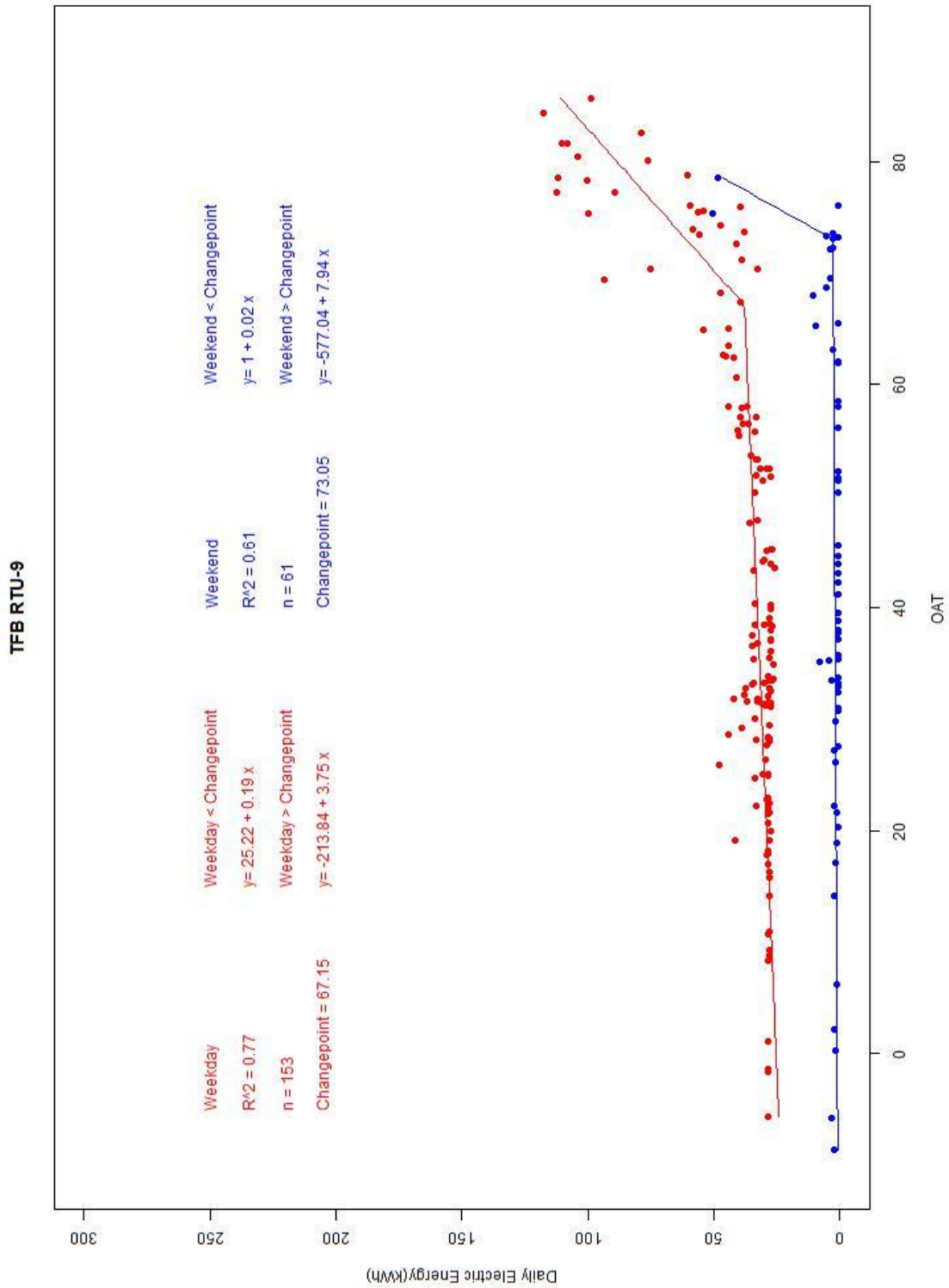


Figure 93: Site TFB RTU #10 Electric Model

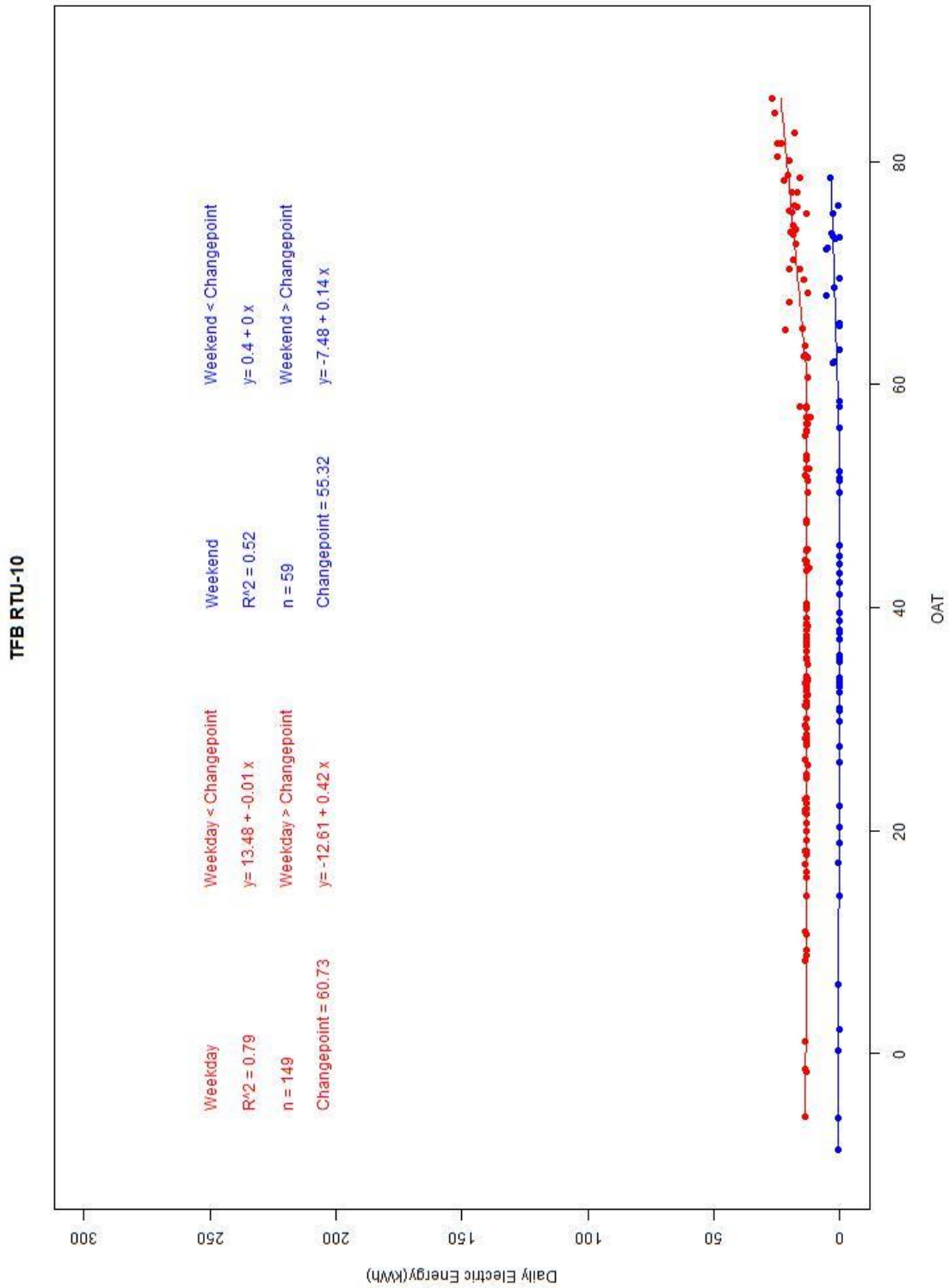


Figure 94: Site TFB RTU #11 Electric Model

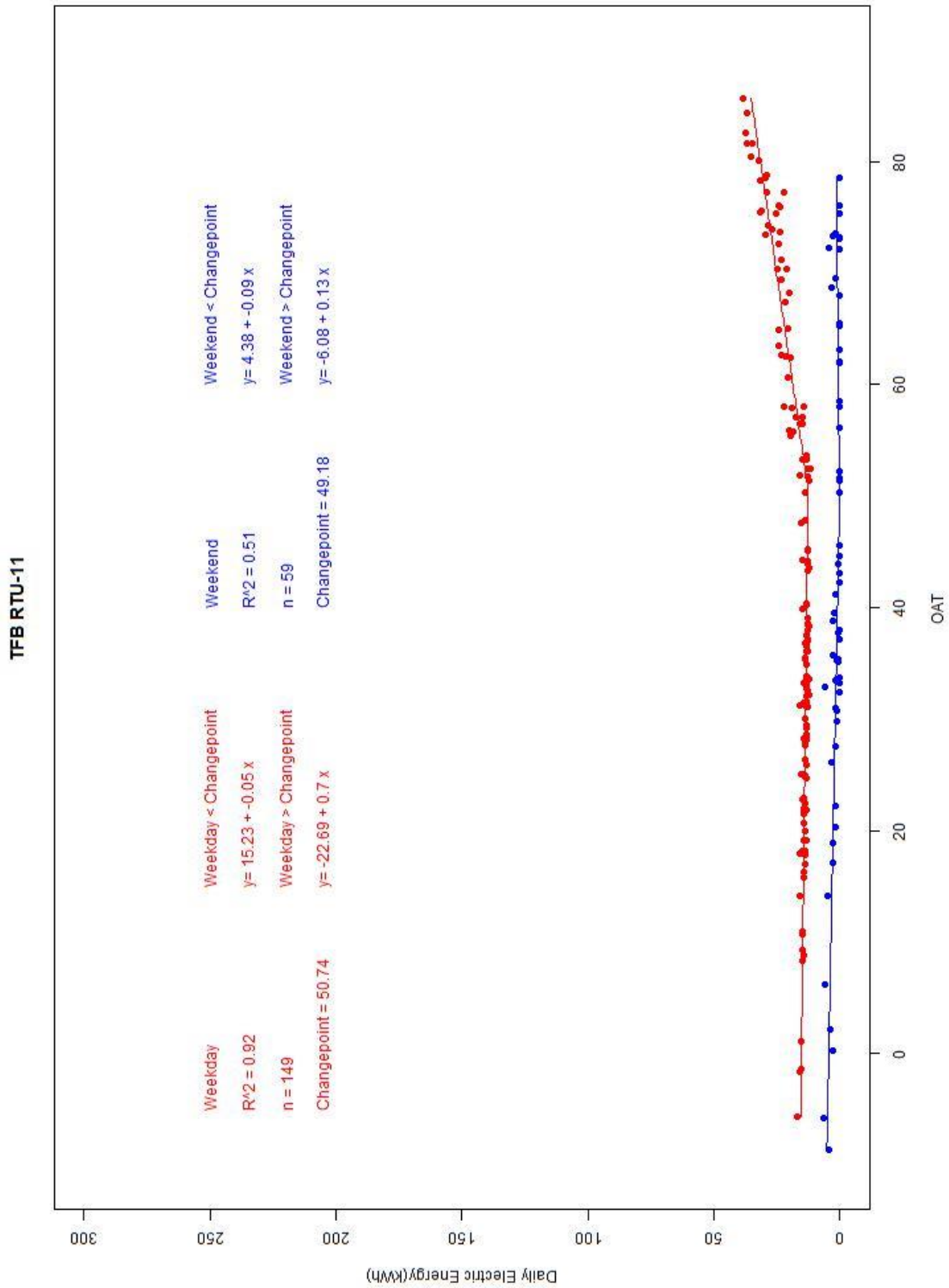


Figure 95: Site TFB RTU #12 Electric Model

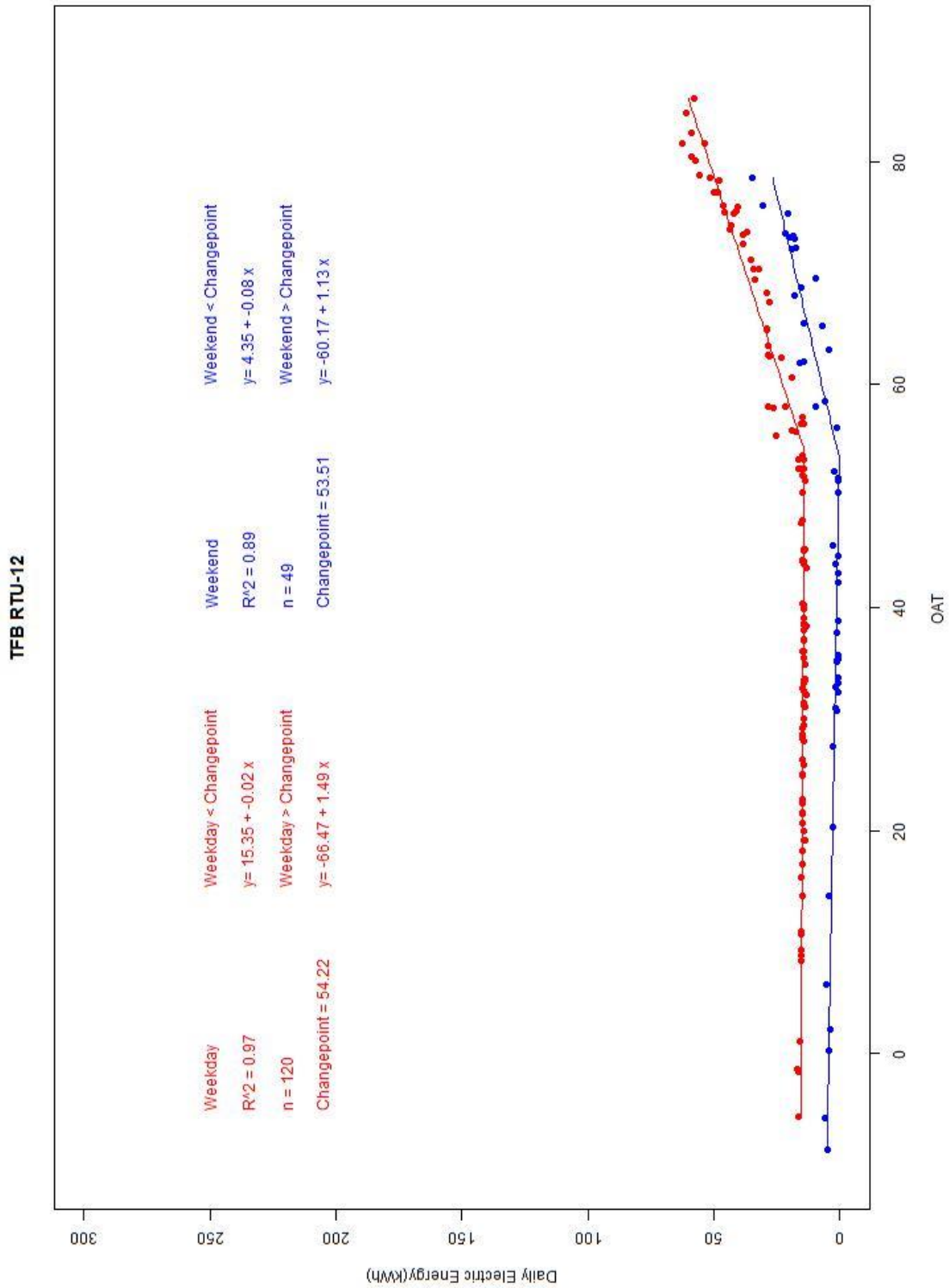


Figure 96: Site TFB RTU #13 Electric Model

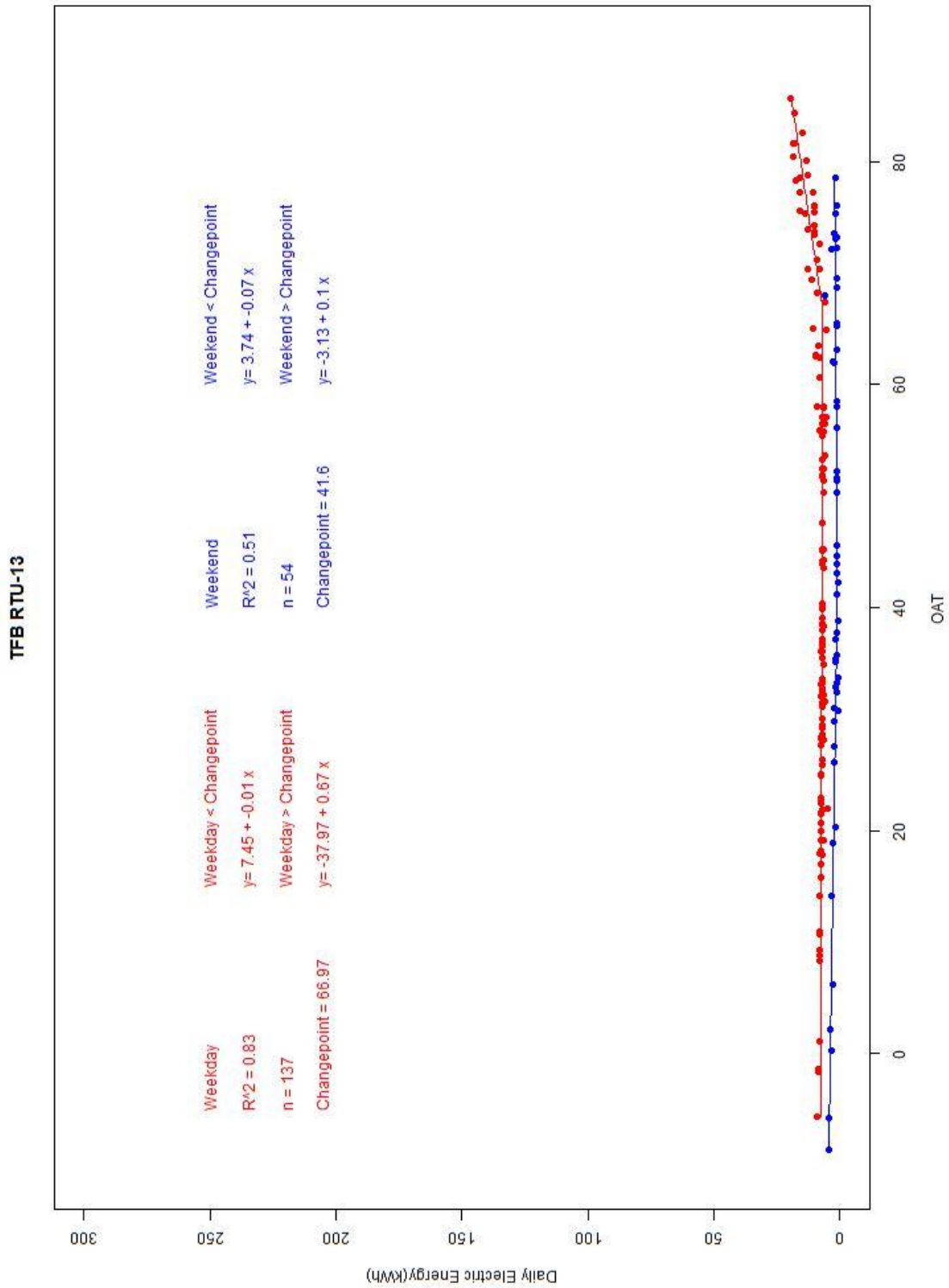


Figure 97: Site TFB RTU #15 Electric Model

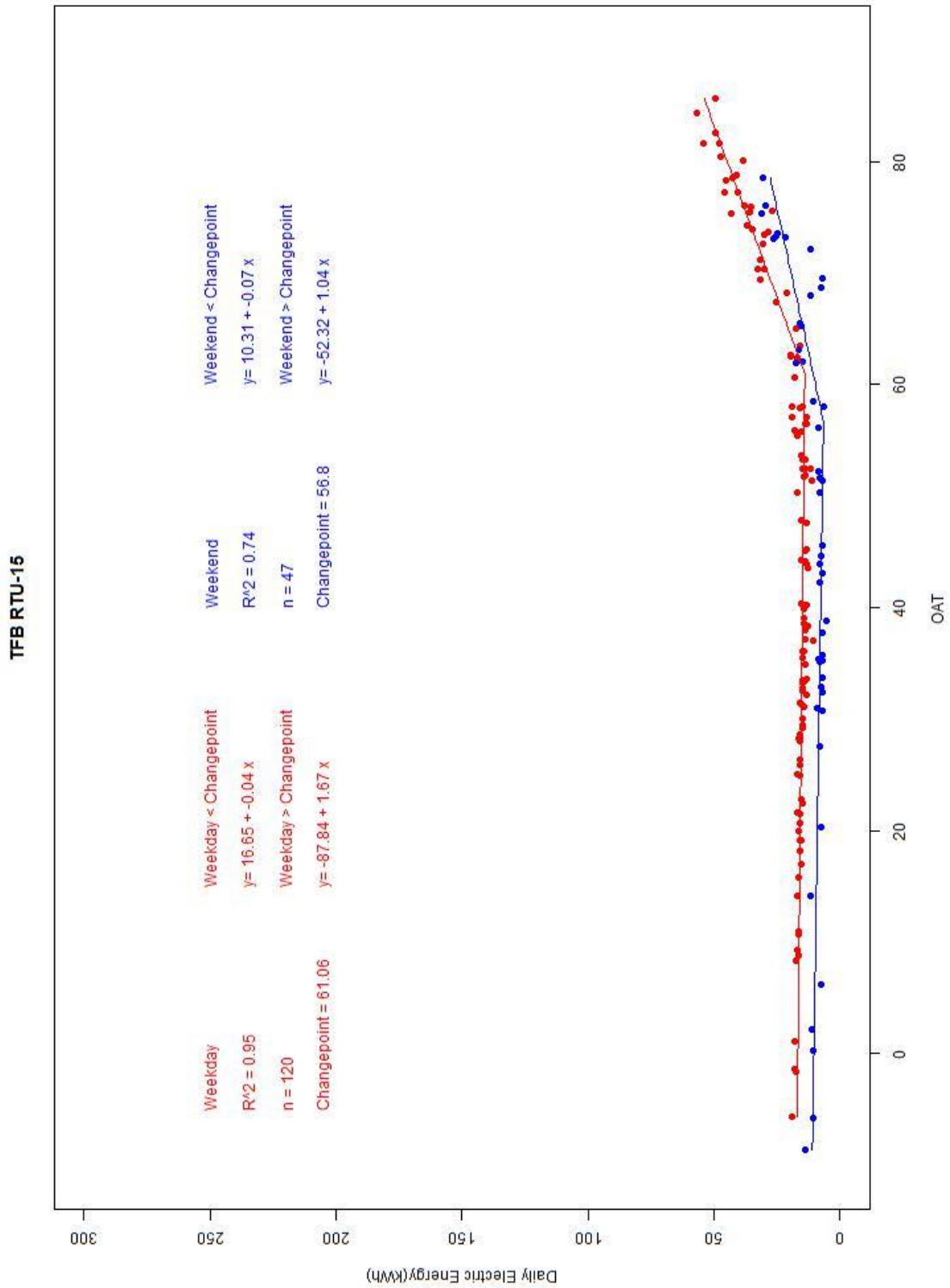


Figure 98: Site TFB RTU #16 Electric Model

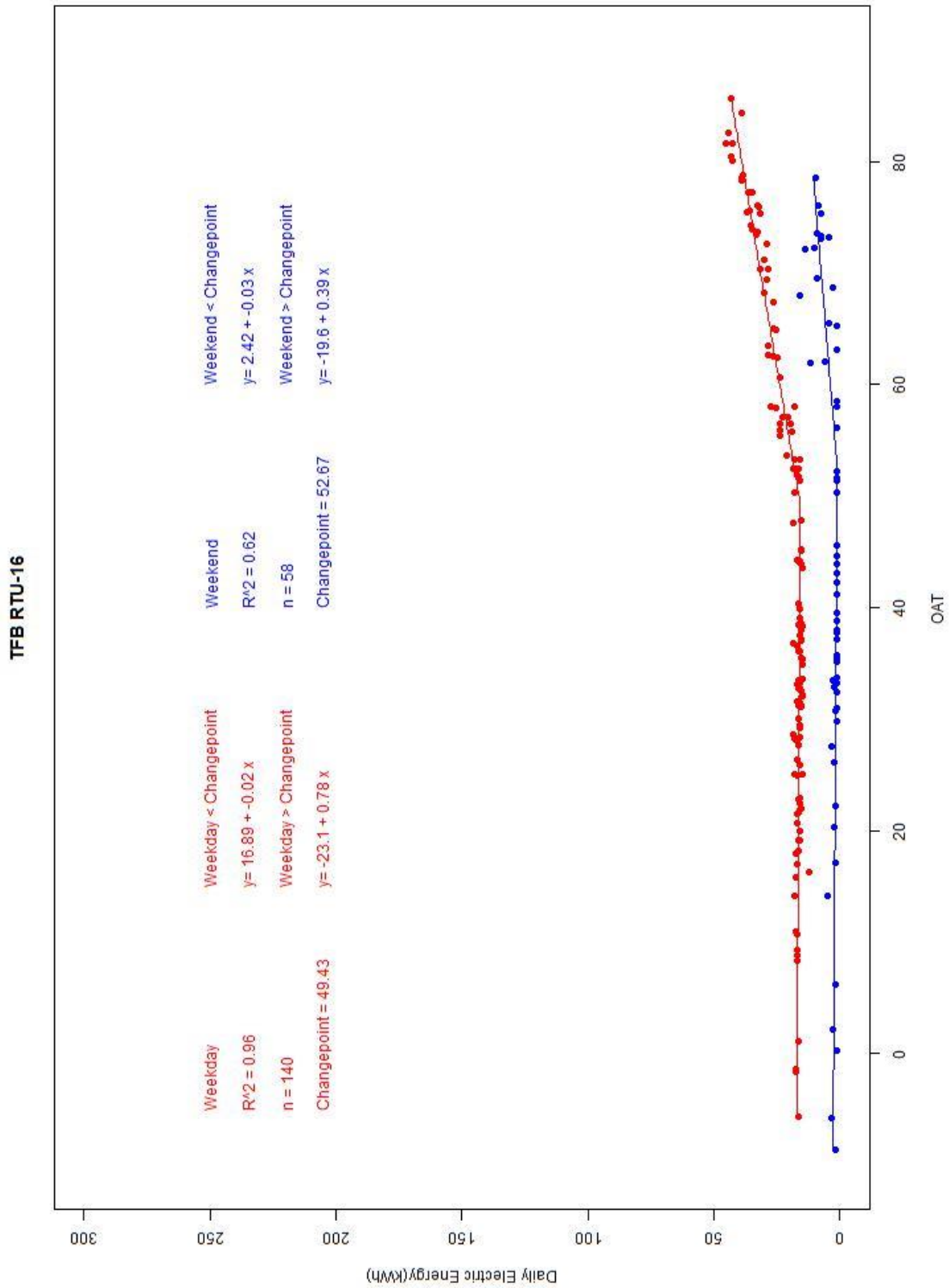


Figure 99: Site TFB RTU #17 Electric Model

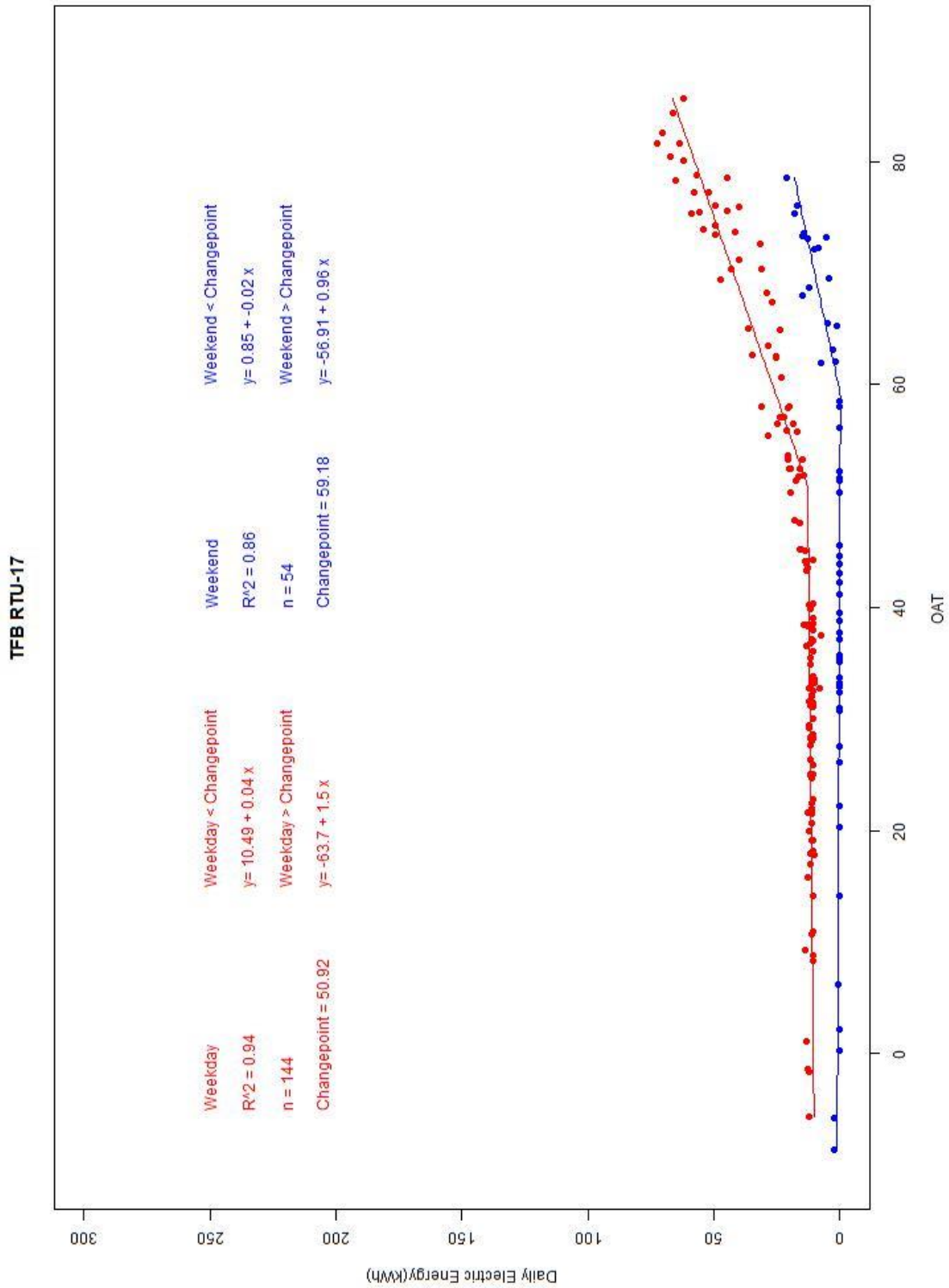


Figure 100: Site TFB Full Site Electric Model

