

Appendix B

Groundwater Recession Comparison Method Analysis of Continuous Water Table Elevation Data from Observation Points MW6, P4, and P25

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B Appendix

The Groundwater Recession Comparison (GRC) method yielded 19 direct transpiration rates over the course of the active season in 2004. In addition, four comparisons were made between dormant season data in order to determine if the assumption that from a given elevation, the water table recedes at the same rate at the same observation point.

The figures shown in the appendix are labeled by observation point (MW6, P4, or P25), active or dormant season, and the 2 months during which the observations took place. With regard to season, figures labeled 'dormant' season refer to water table recessions between two dormant season durations. Figures labeled 'active' season' refer to water table recessions between one active season duration and one dormant season duration. The comparisons between active and dormant season recessions each yield one direct transpiration rate by calculating the difference between slopes and multiplying by the specific yield ($S_y = 0.1$).

Water Table Recession Comparison MW6: January 2002 vs January 2002

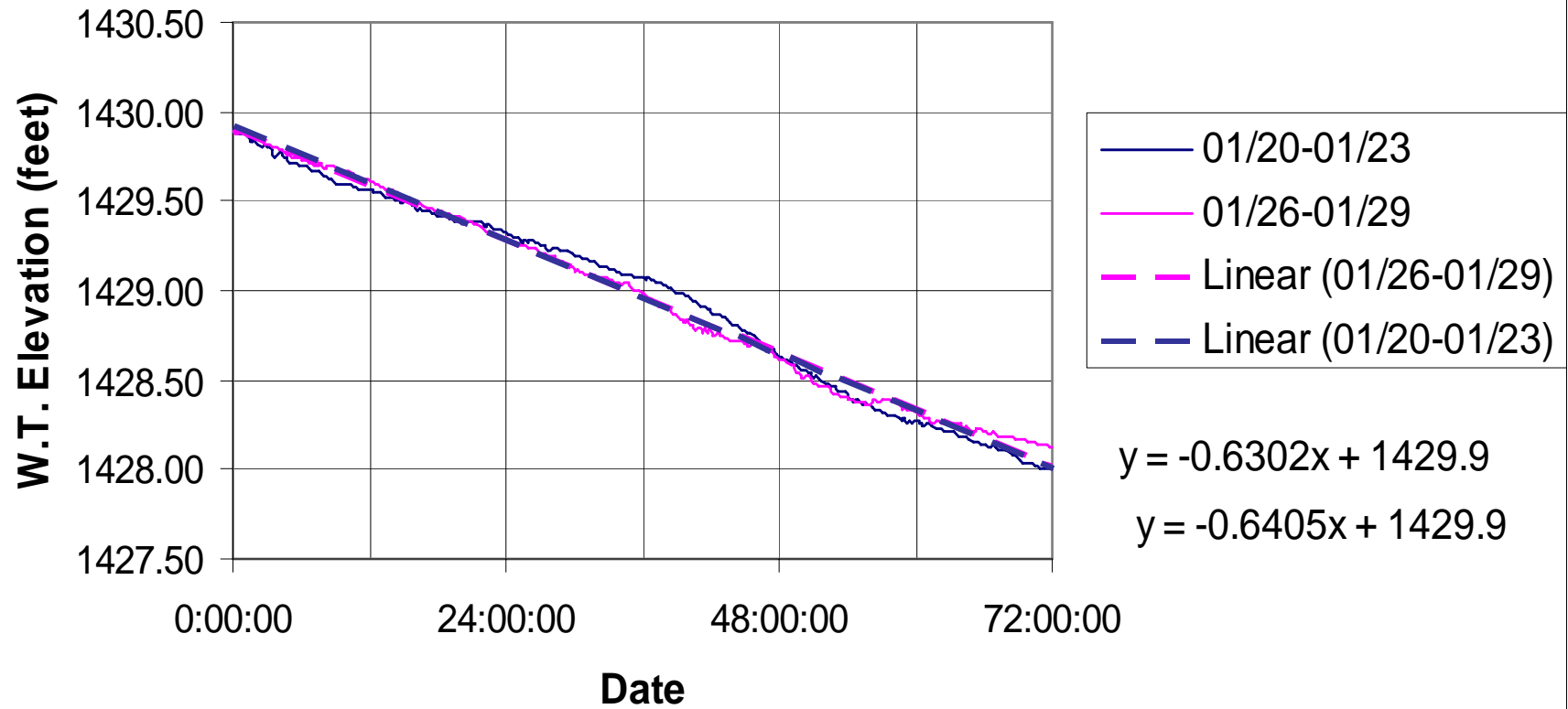


Figure B 1 MW6 Dormant season groundwater recession comparison, January 2002 vs January 2002.

Water Table Recession Comparison MW6: Feb 2001 vs Feb 2001

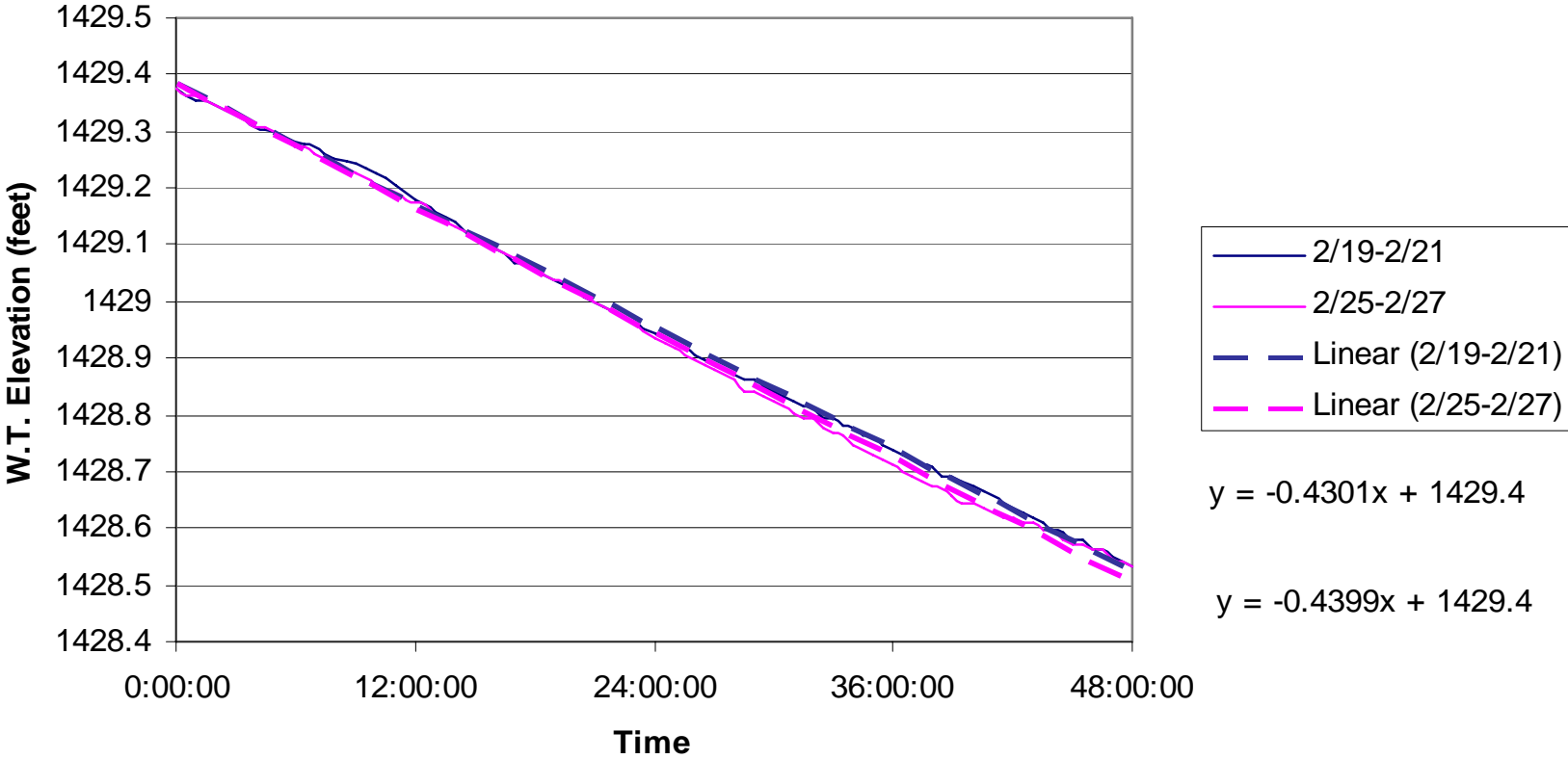


Figure B 2 MW6 Dormant season groundwater recession comparison, February 2001 versus February 2001.

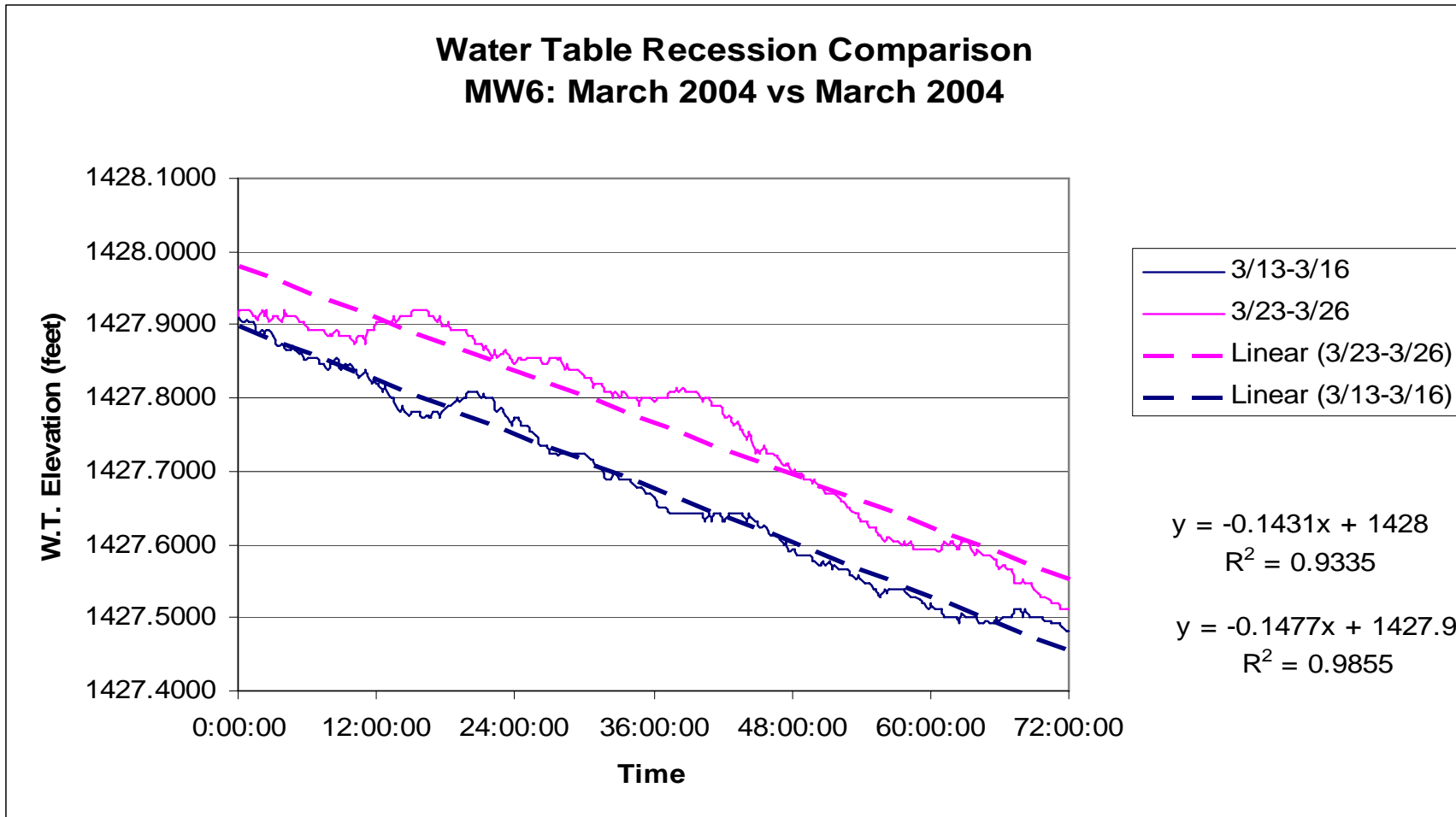


Figure B 3 MW6 Active season groundwater recession comparison, March 2004 versus March 2004.

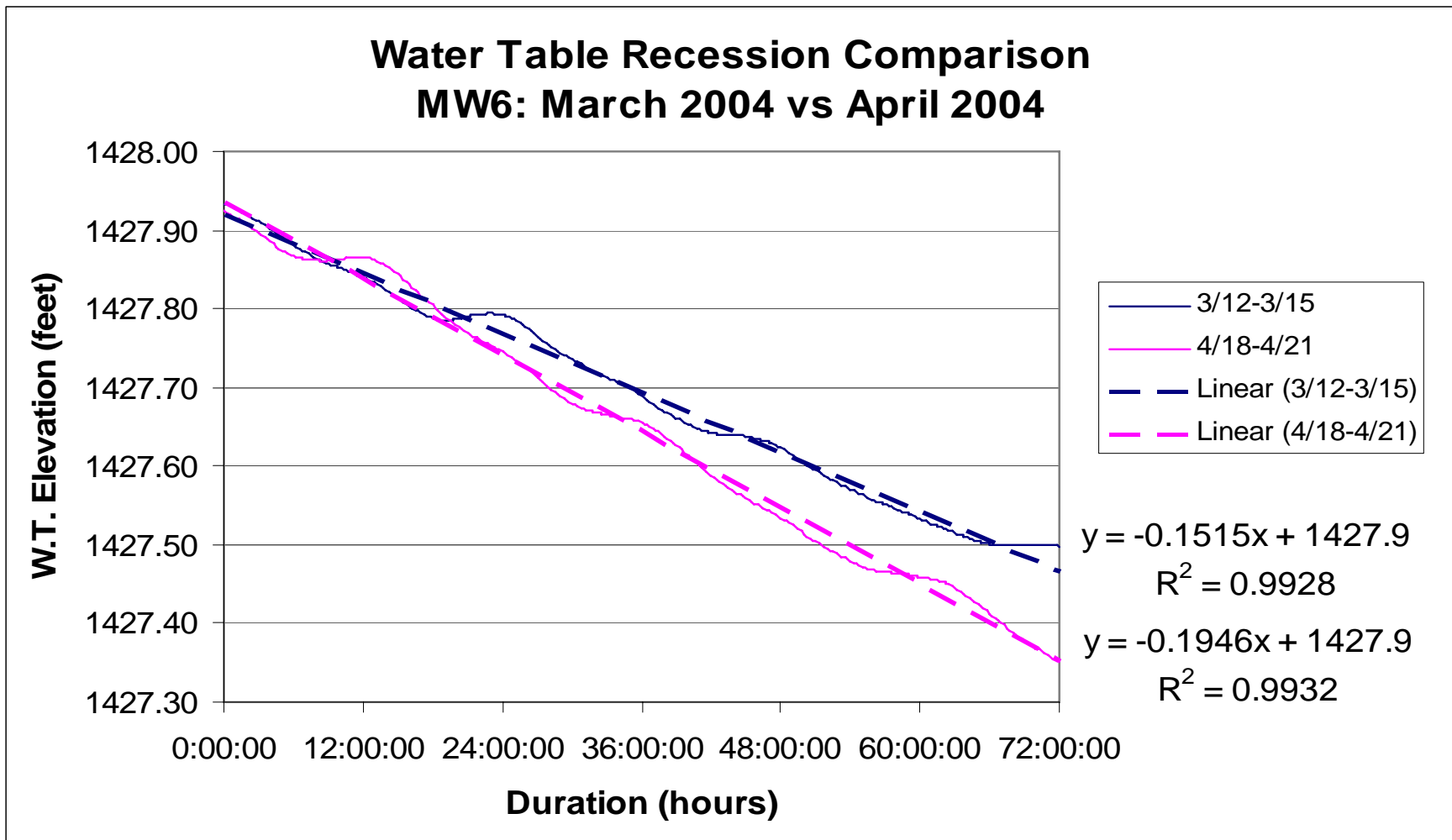


Figure B 4 MW6 Active season groundwater recession comparison, March 2004 versus April 2004.

Water Table Recession Comparison MW6: January 2002 vs May 2004

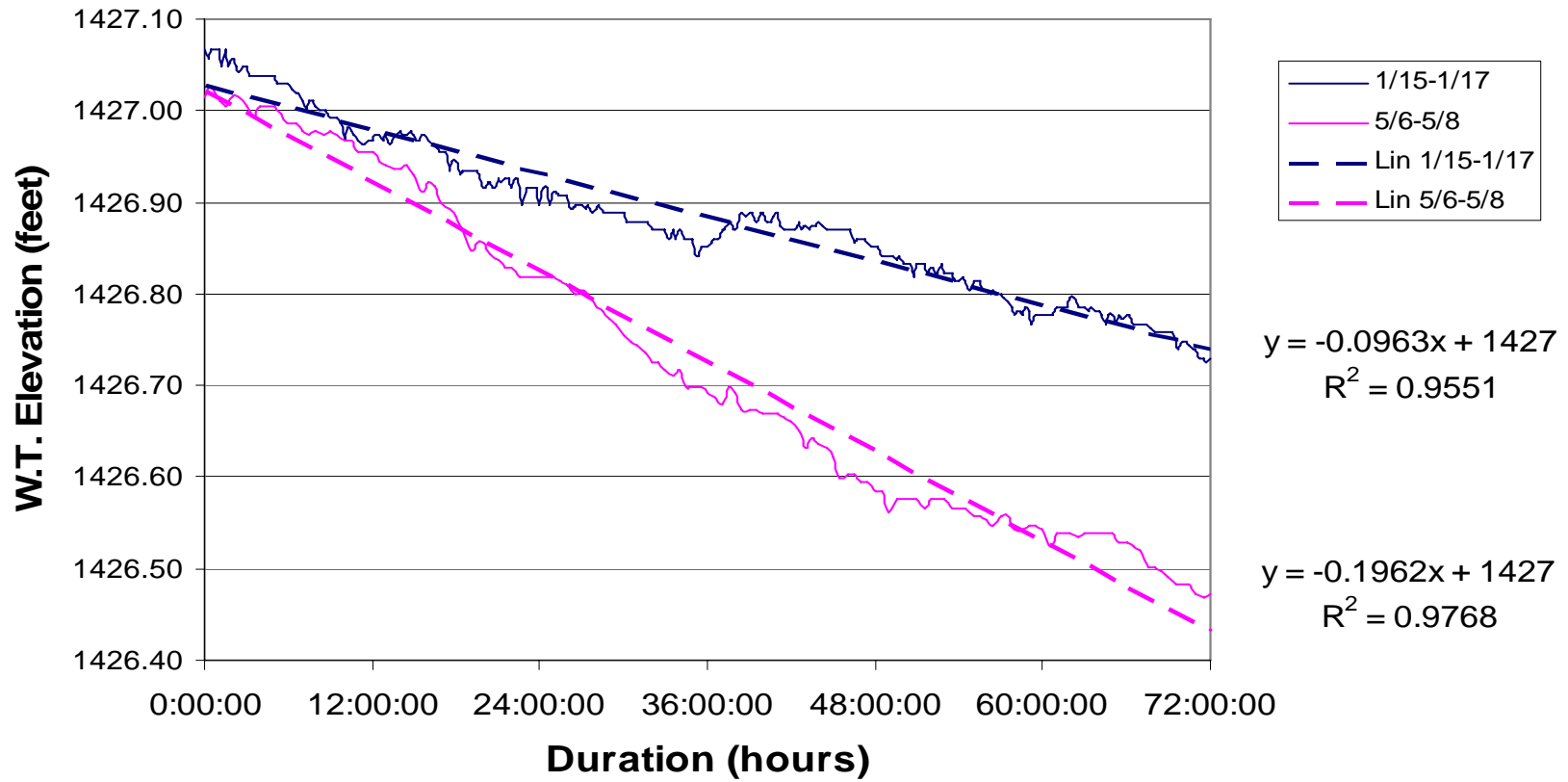


Figure B 5 MW6 Active season groundwater recession comparison, January 2002 versus May 2004.

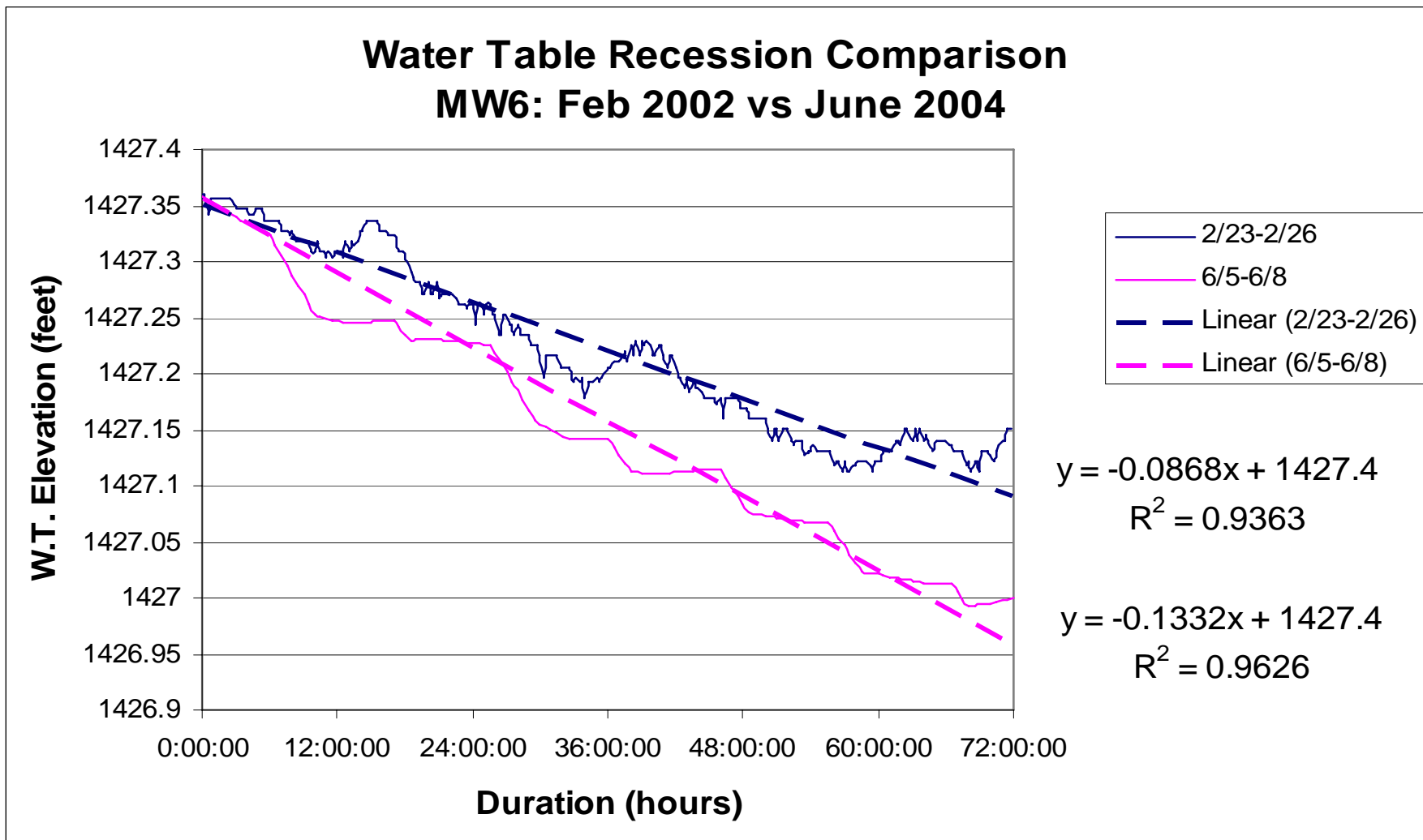


Figure B 6 MW6 Active season groundwater recession comparison, January 2002 versus May 2004.

Water Table Recession Comparison MW6: January 2001 vs July 2004

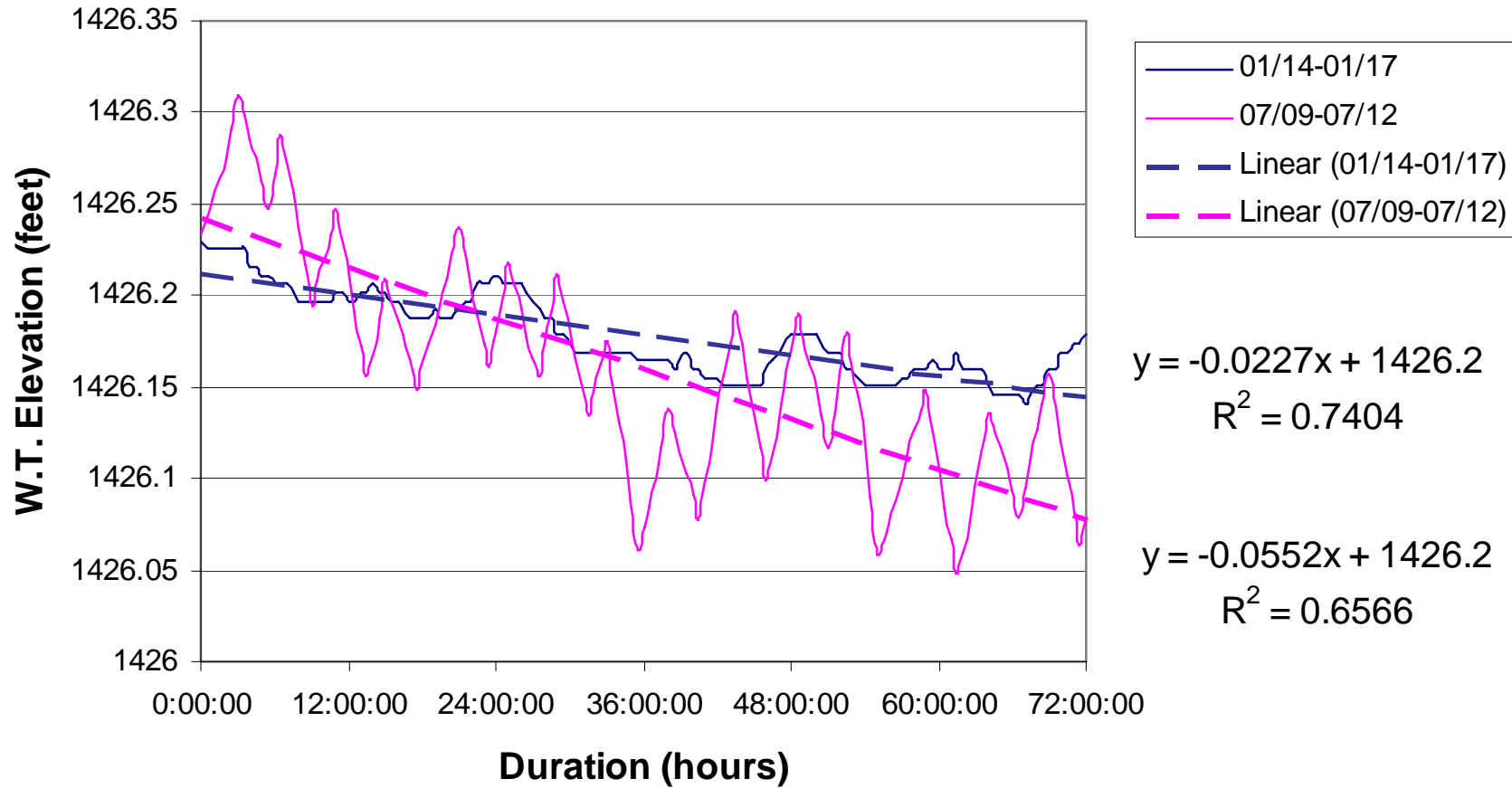


Figure B 7 MW6 Active season groundwater recession comparison, January 2001 versus July 2004.

Water Table Recession Comparison MW6: Feb 02 vs Sept 04

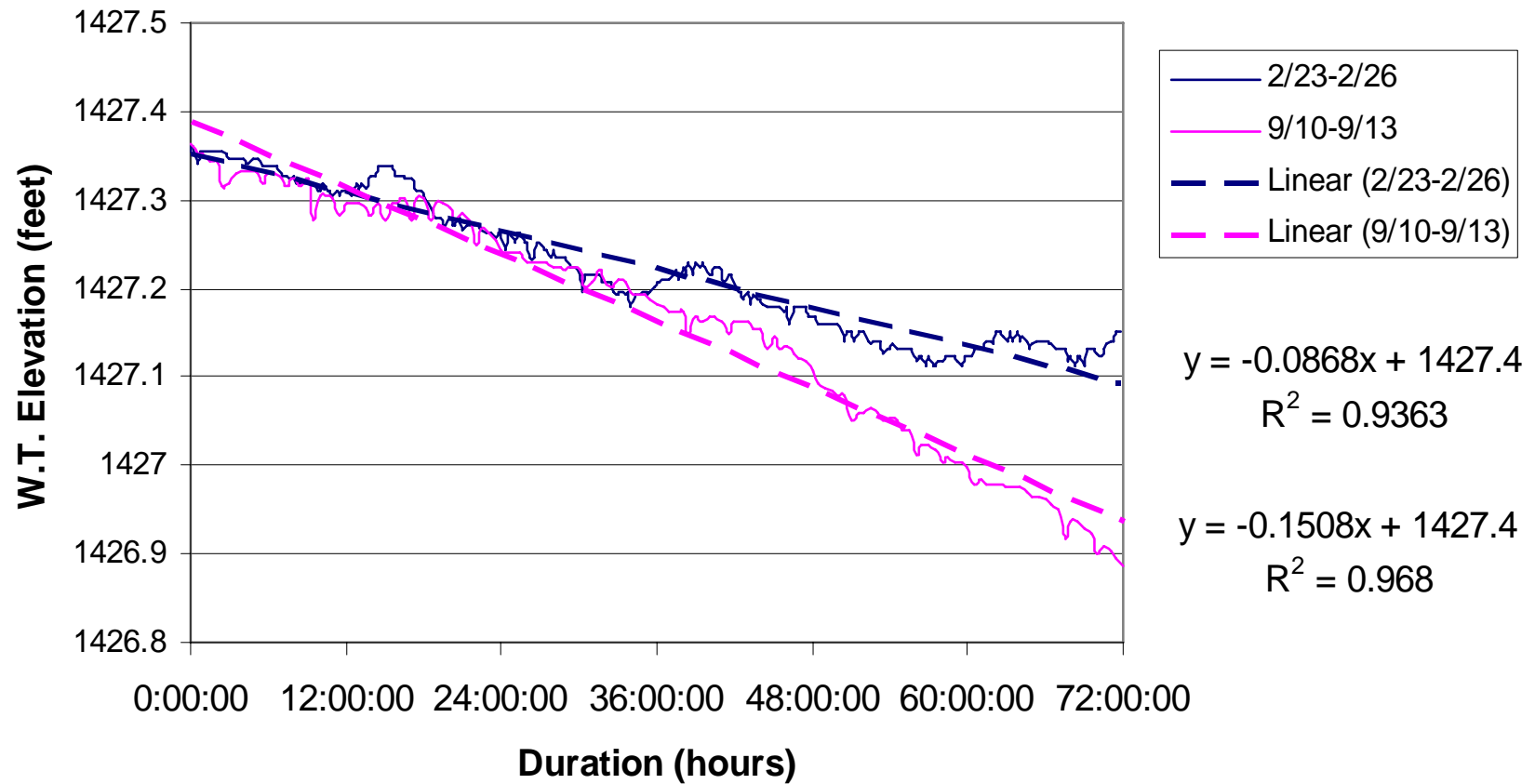


Figure B 8 MW6 Active season groundwater recession comparison, February 2002 versus September 2004.

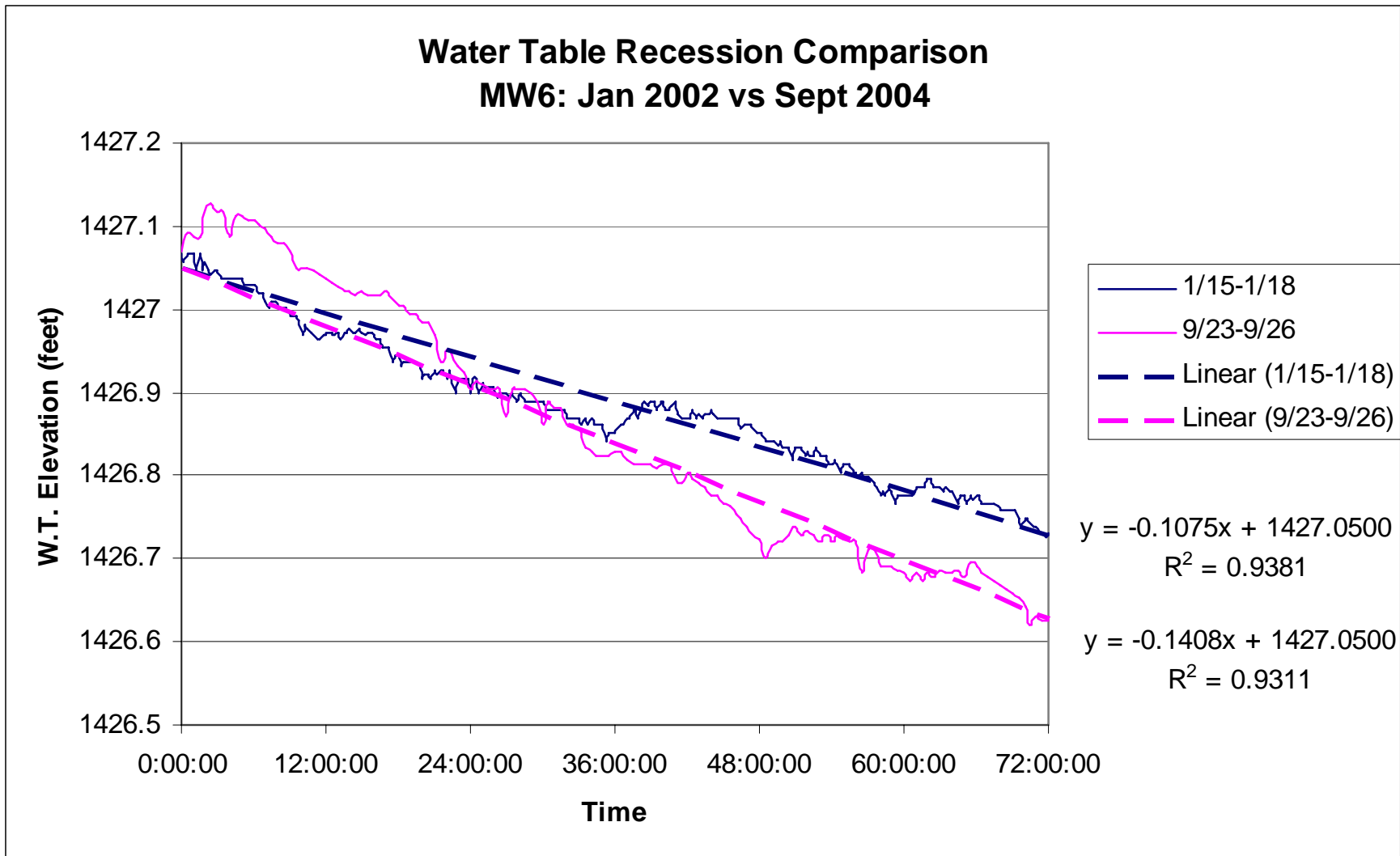


Figure B 9 MW6 Active season groundwater recession comparison, January 2002 versus September 2004.

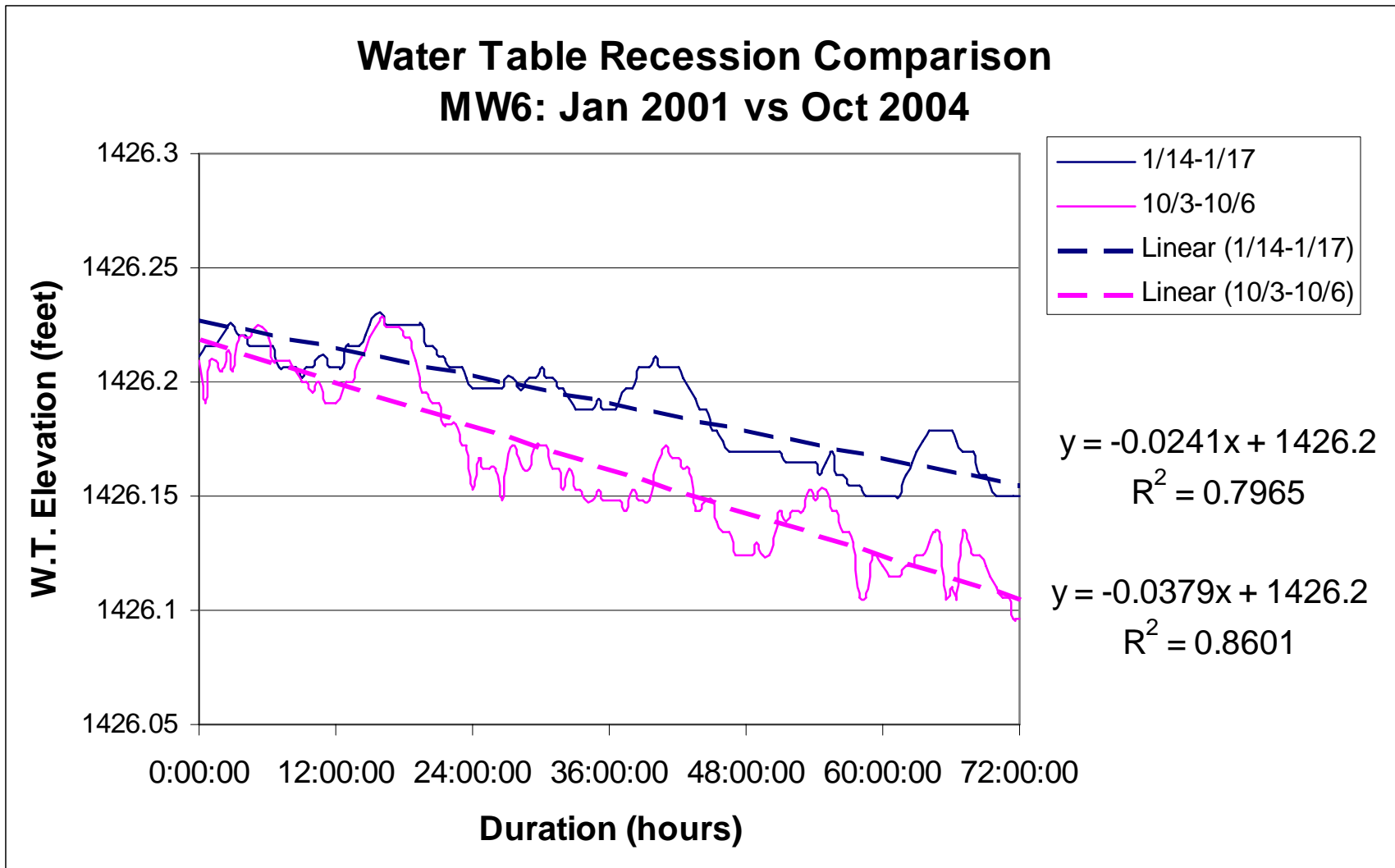


Figure B 10 MW6 Active season groundwater recession comparison, January 2001 versus October 2004.

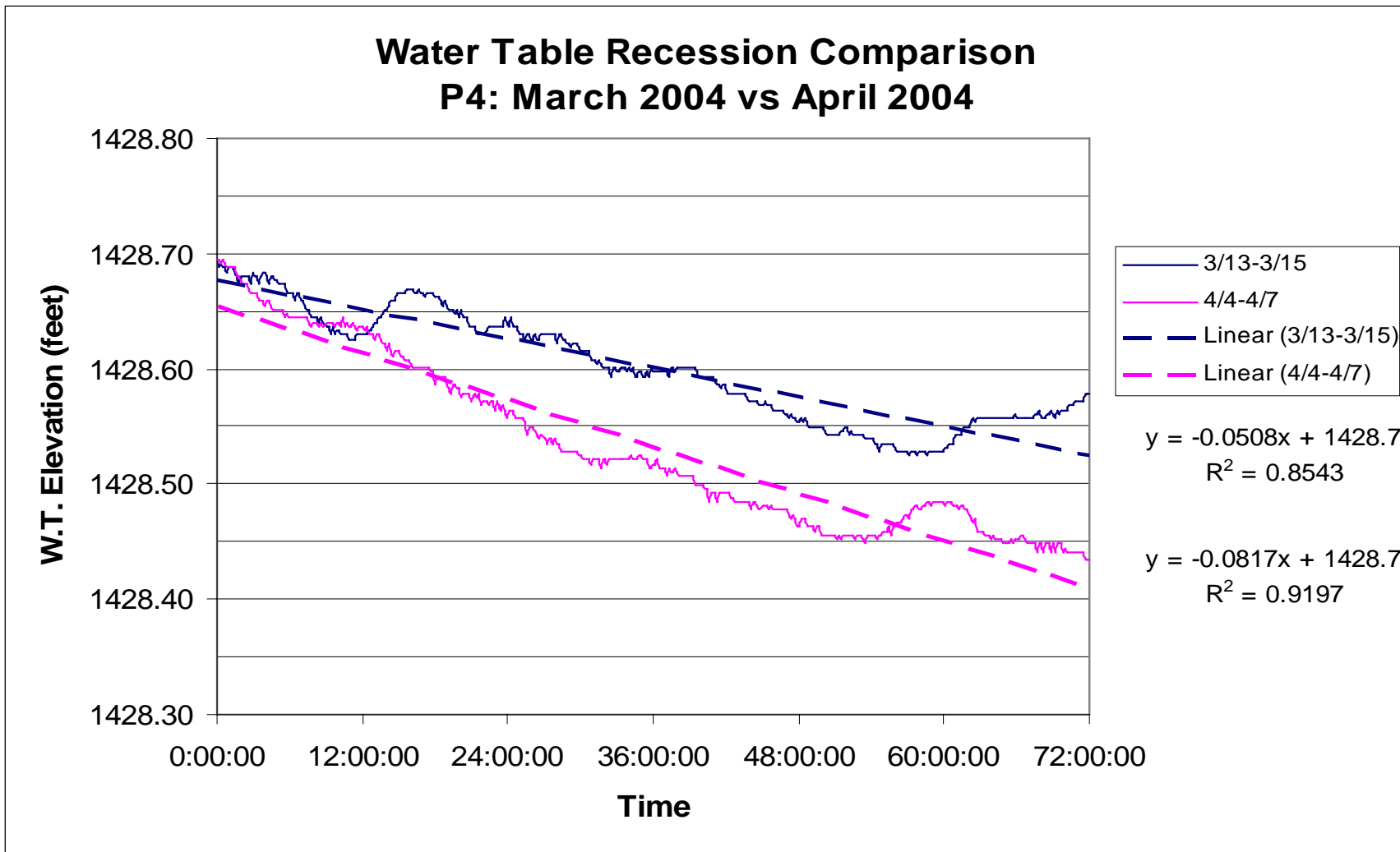


Figure B 11 P4 Active season groundwater recession comparison, March 2004 versus April 2004.

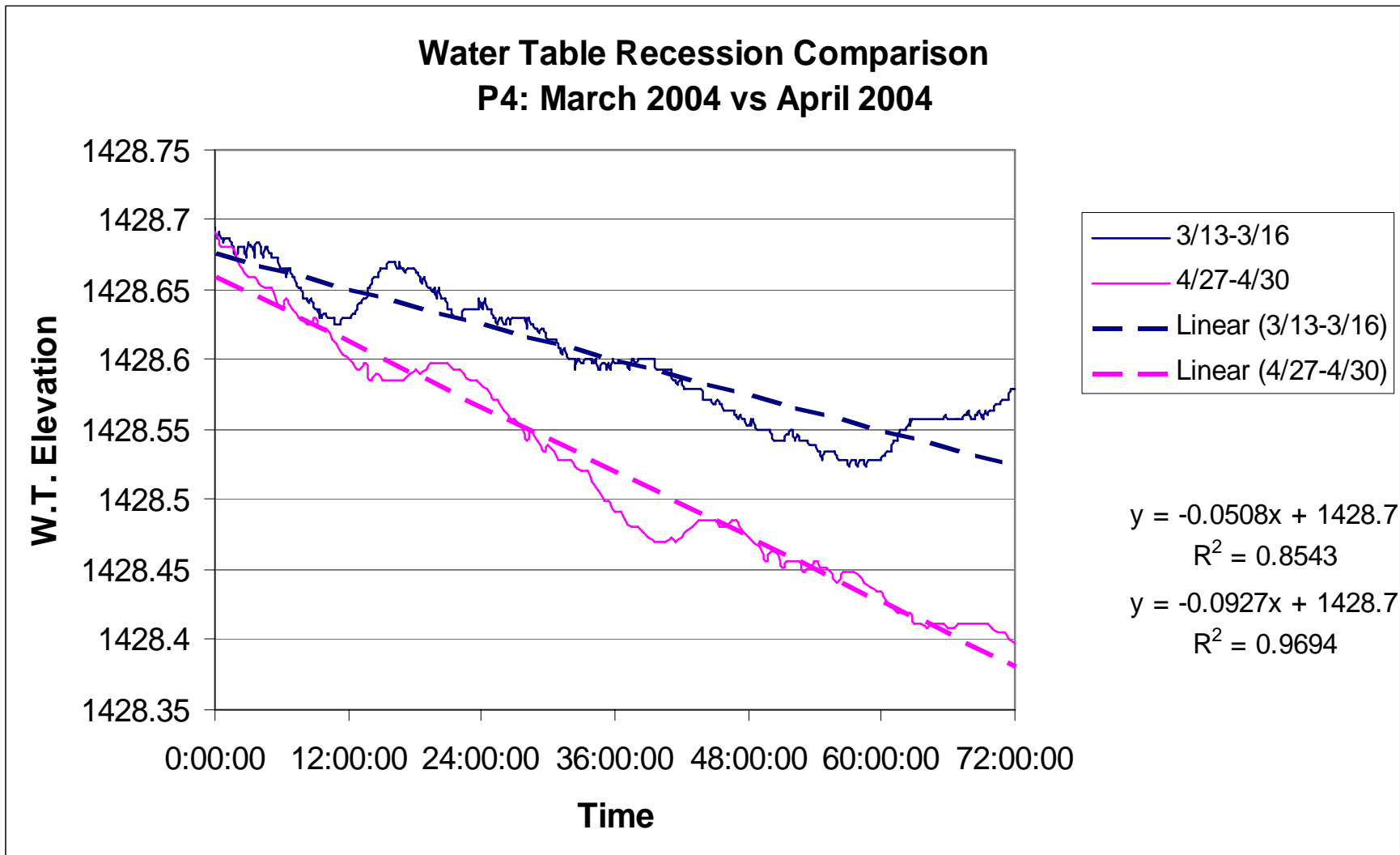


Figure B 12 P4 Active season groundwater recession comparison, March 2004 versus April 2004.

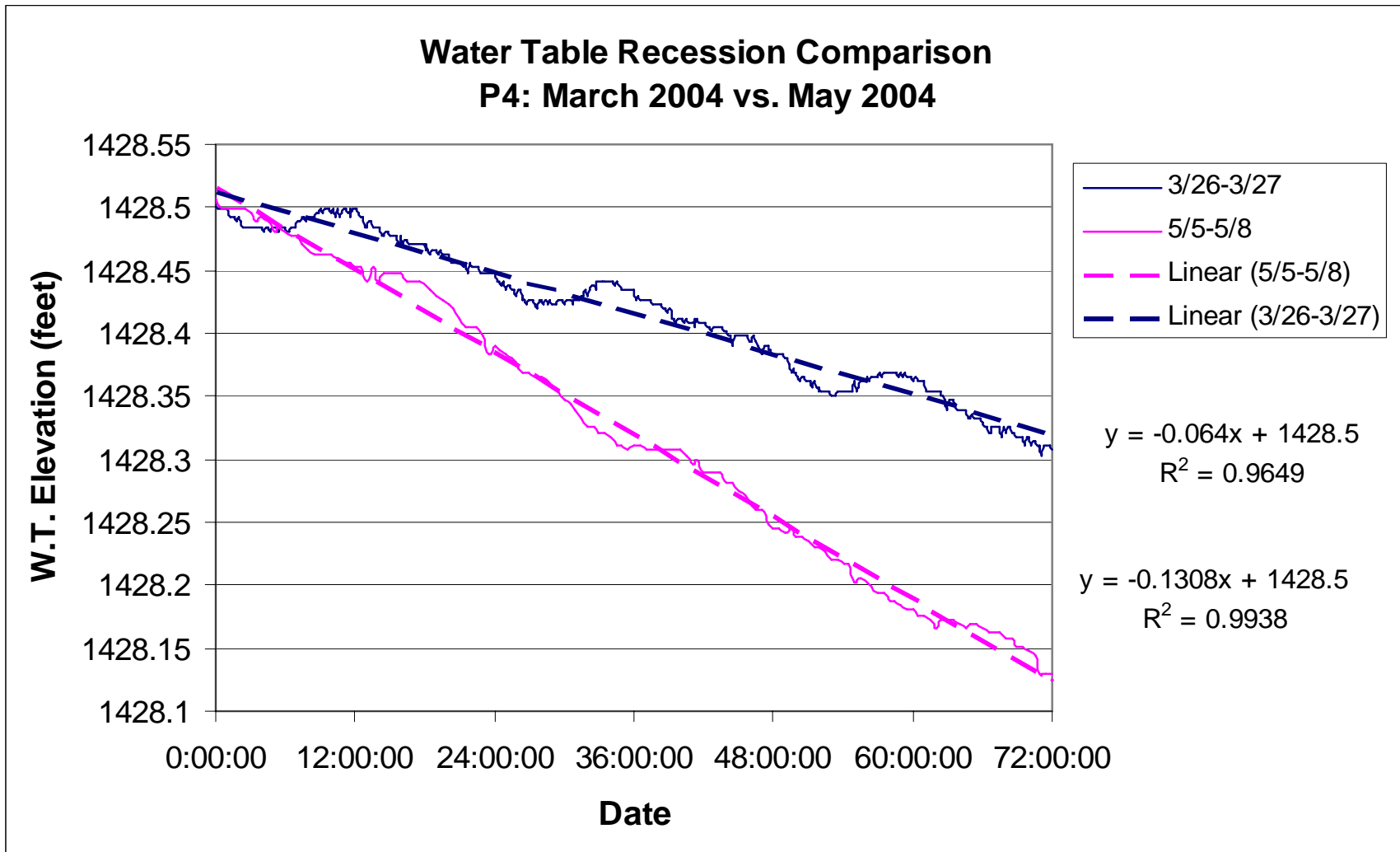


Figure B 13 P4 Active season groundwater recession comparison, March 2004 versus May 2004.

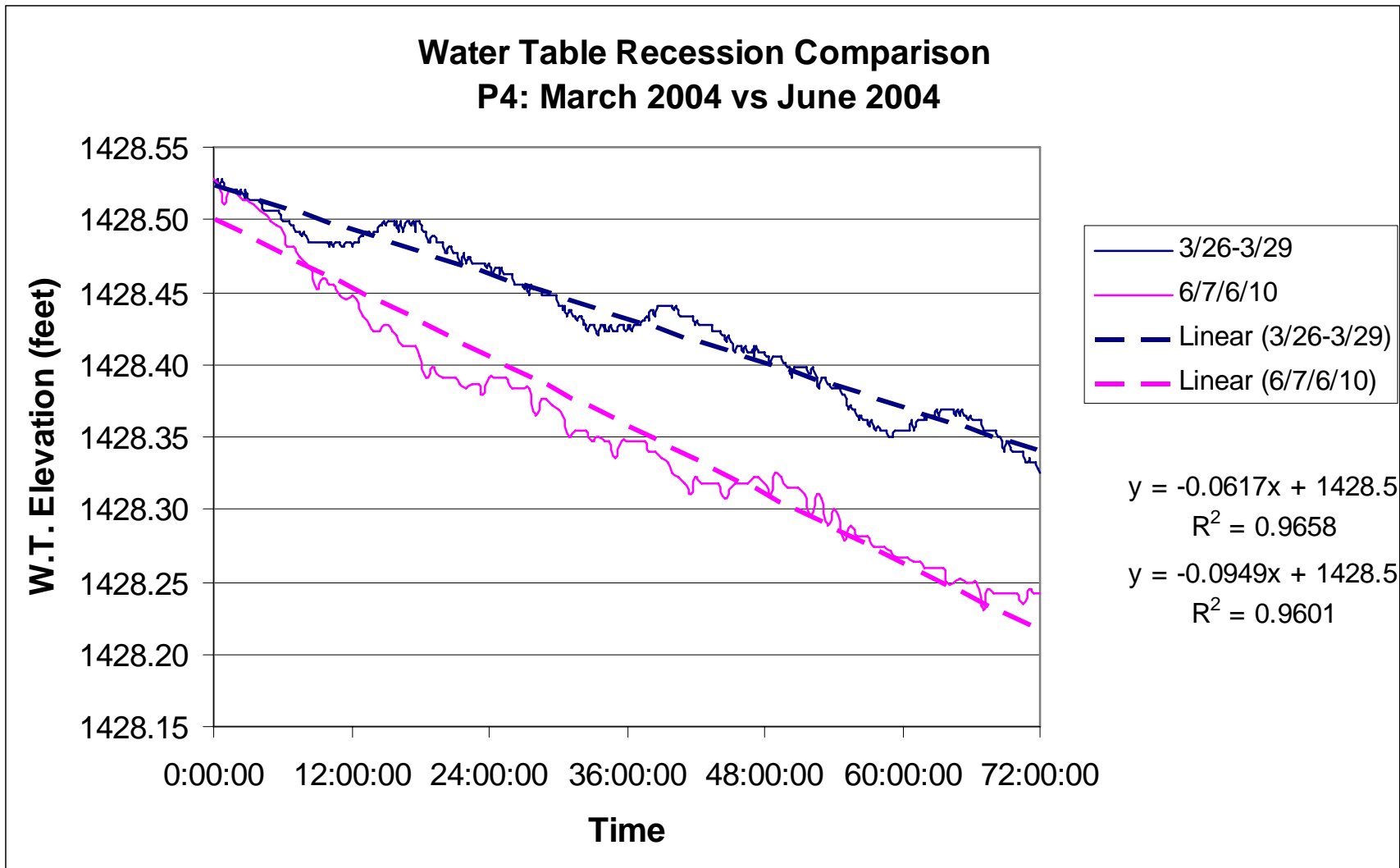


Figure B 14 P4 Active season groundwater recession comparison, March 2004 versus June 2004.

Water Table Recession Comparison P4: January 2001 vs September 2004

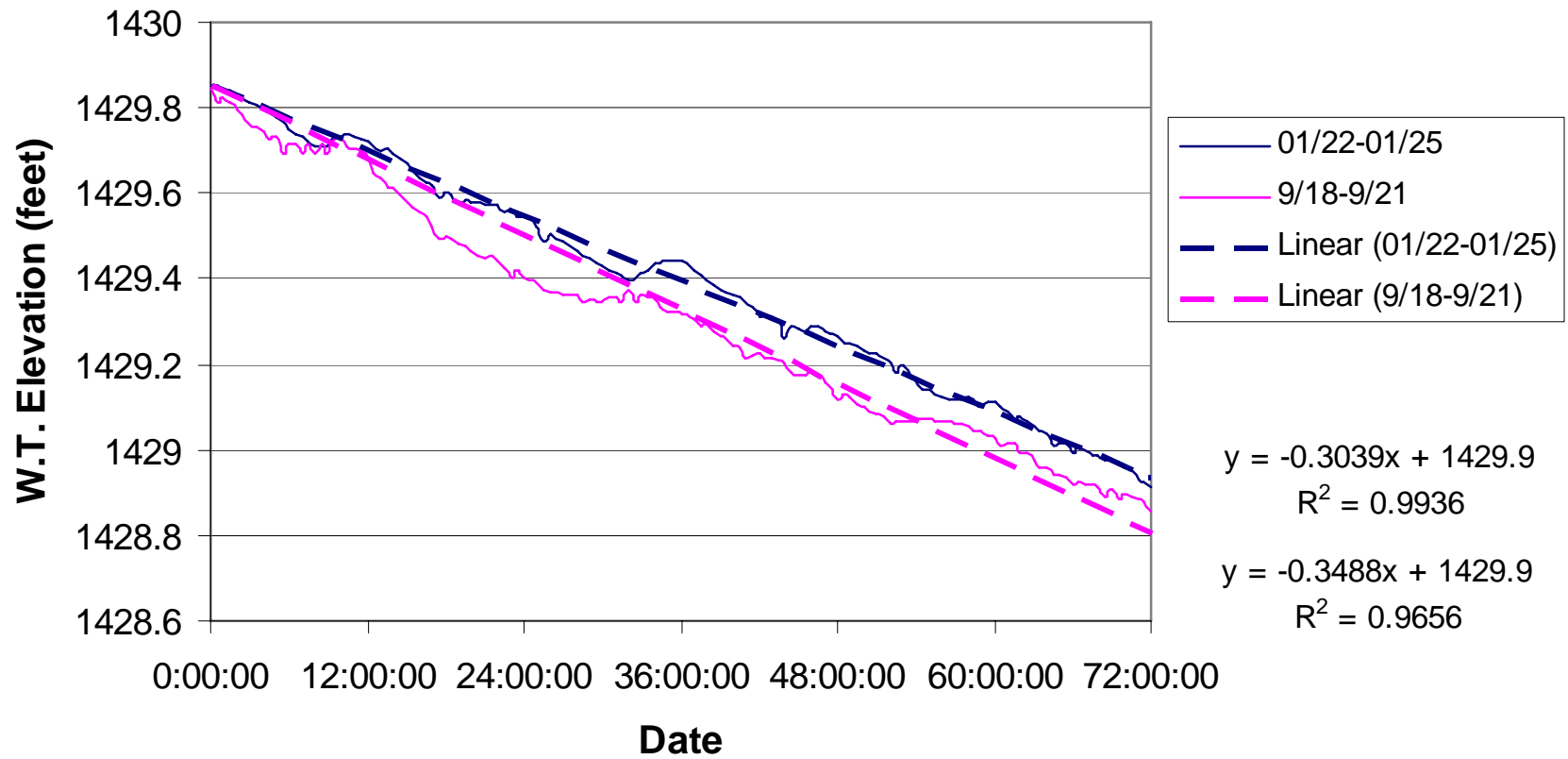


Figure B 15 P4 Active season groundwater recession comparison, January 2001 versus September 2004.

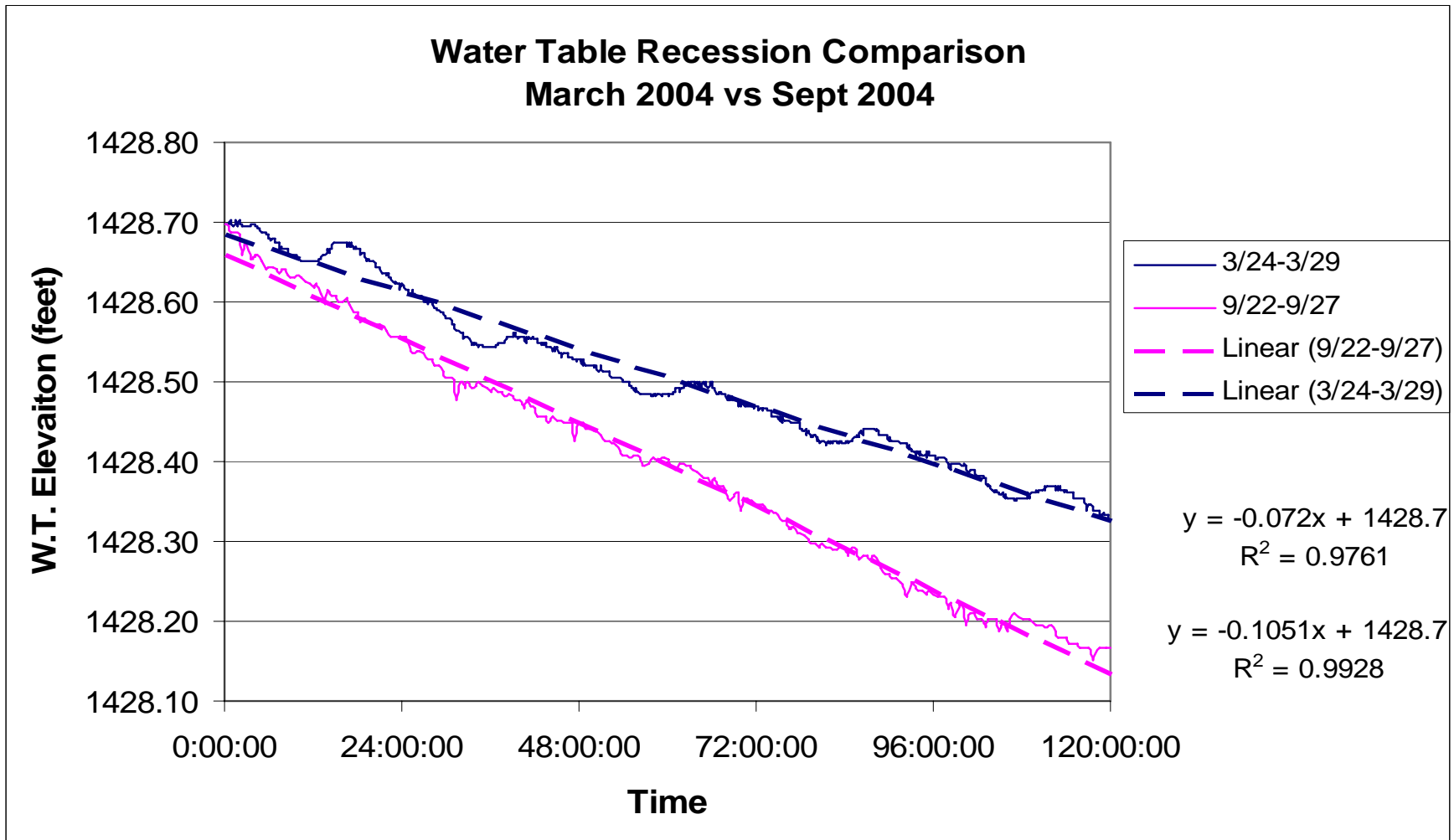


Figure B 16 P4 Active season groundwater recession comparison, March 2004 versus September 2004.

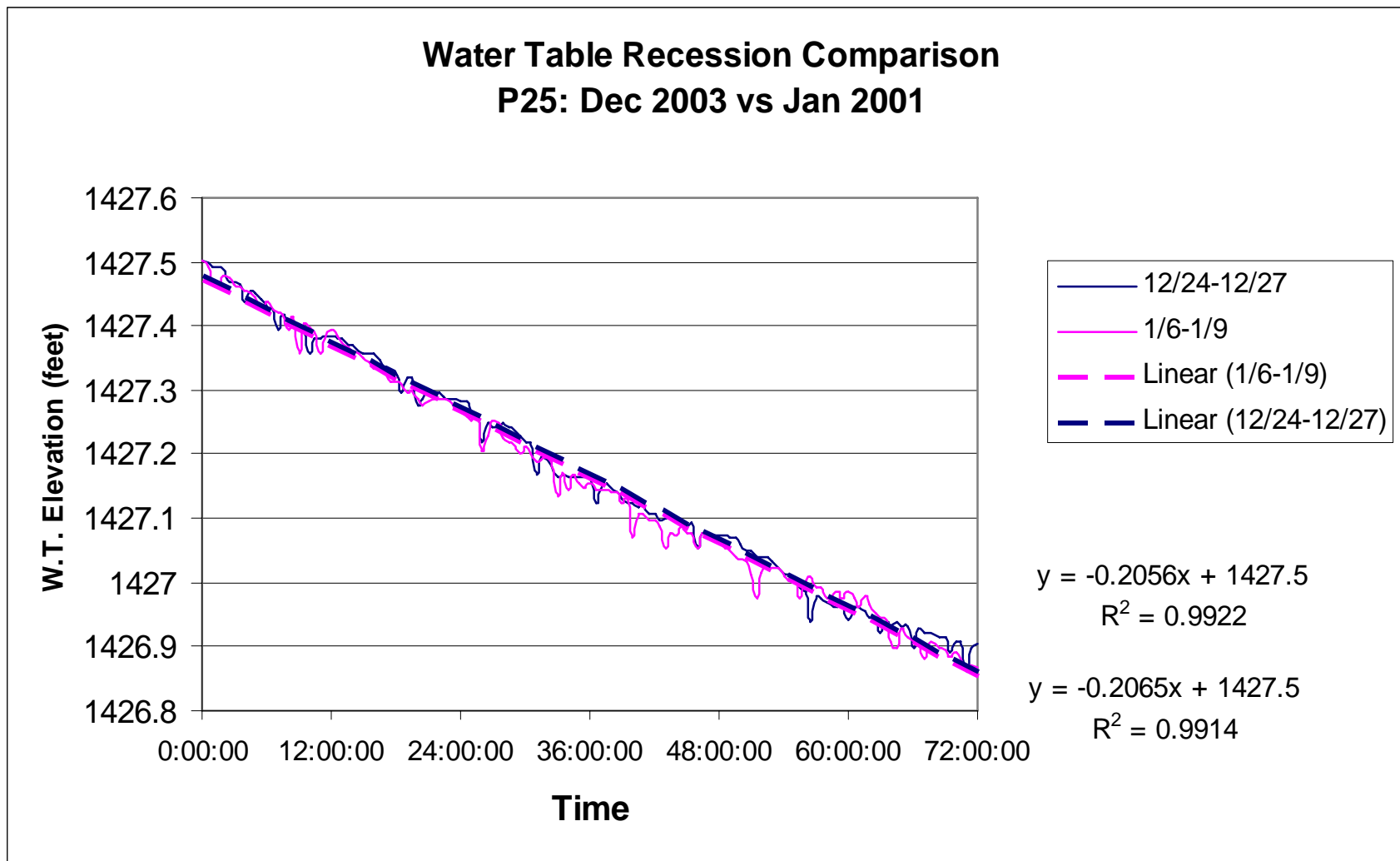


Figure B 17 P25 Dormant season groundwater recession comparison, January 2002 versus May 2004.

Water Table Recession Comparison P25: Feb 2004 vs March 2004

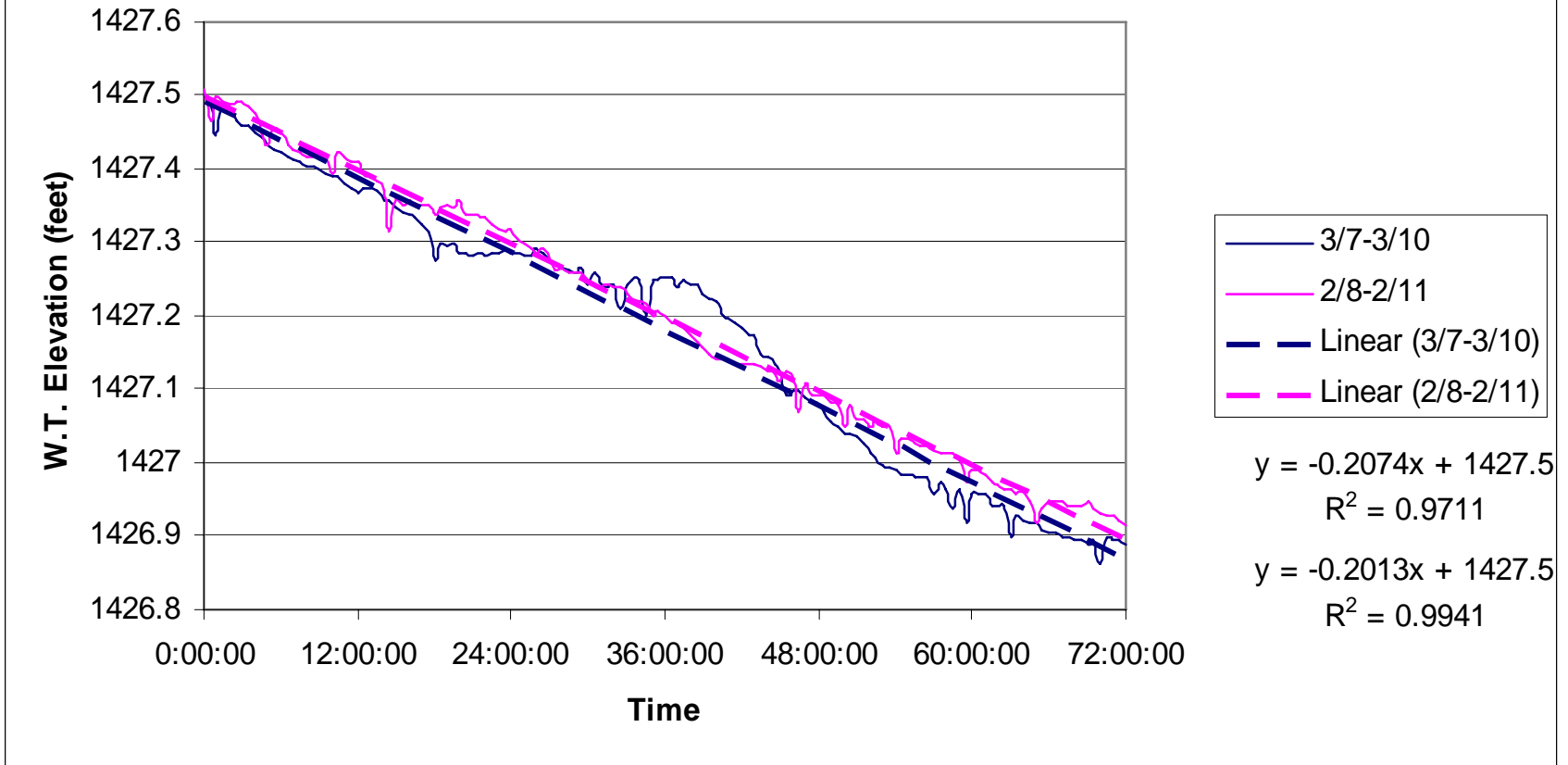


Figure B 18 P25 Dormant season groundwater recession comparison, January 2002 versus May 2004.

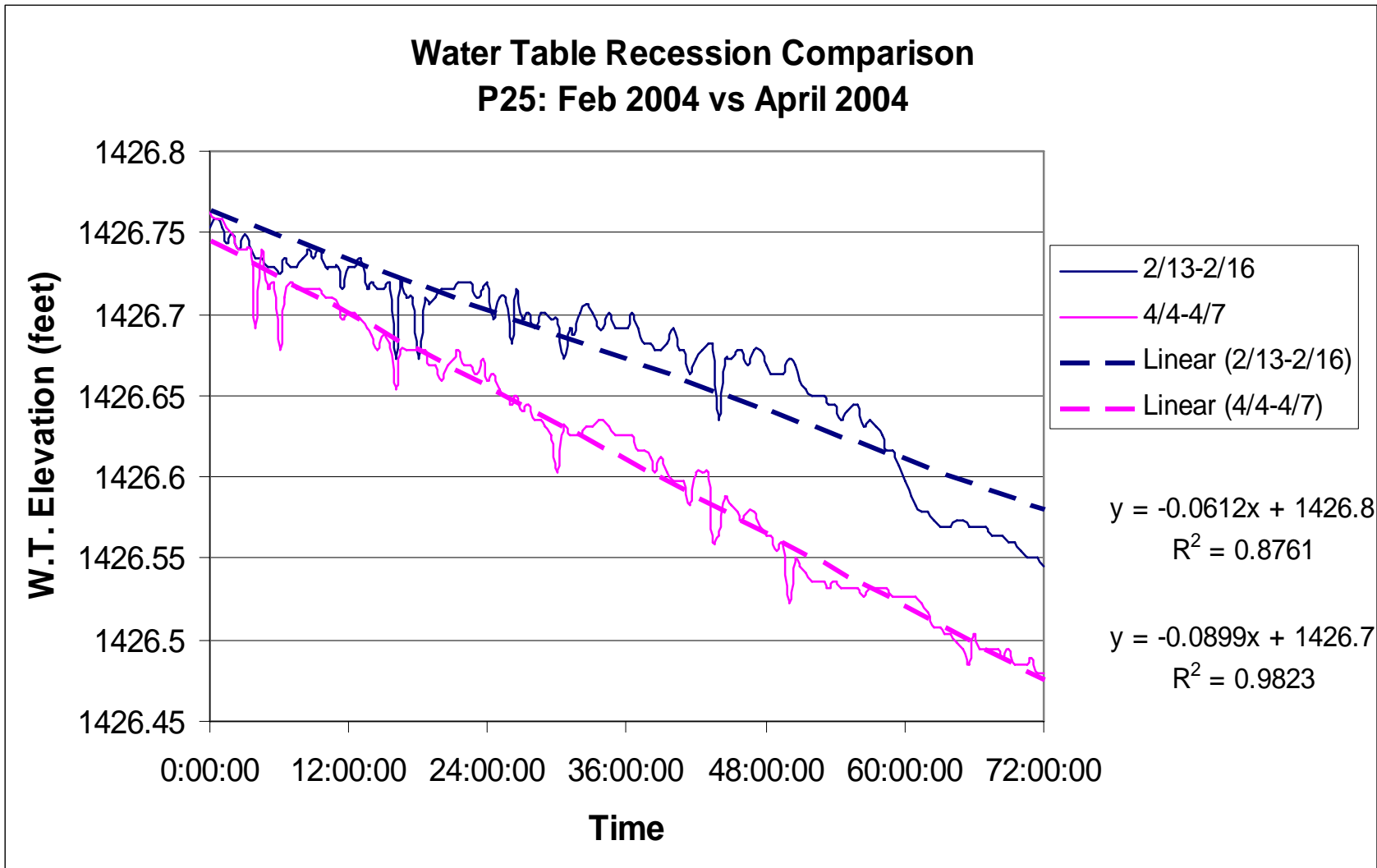


Figure B 19 P25 Active season groundwater recession comparison, February 2004 versus April 2004.

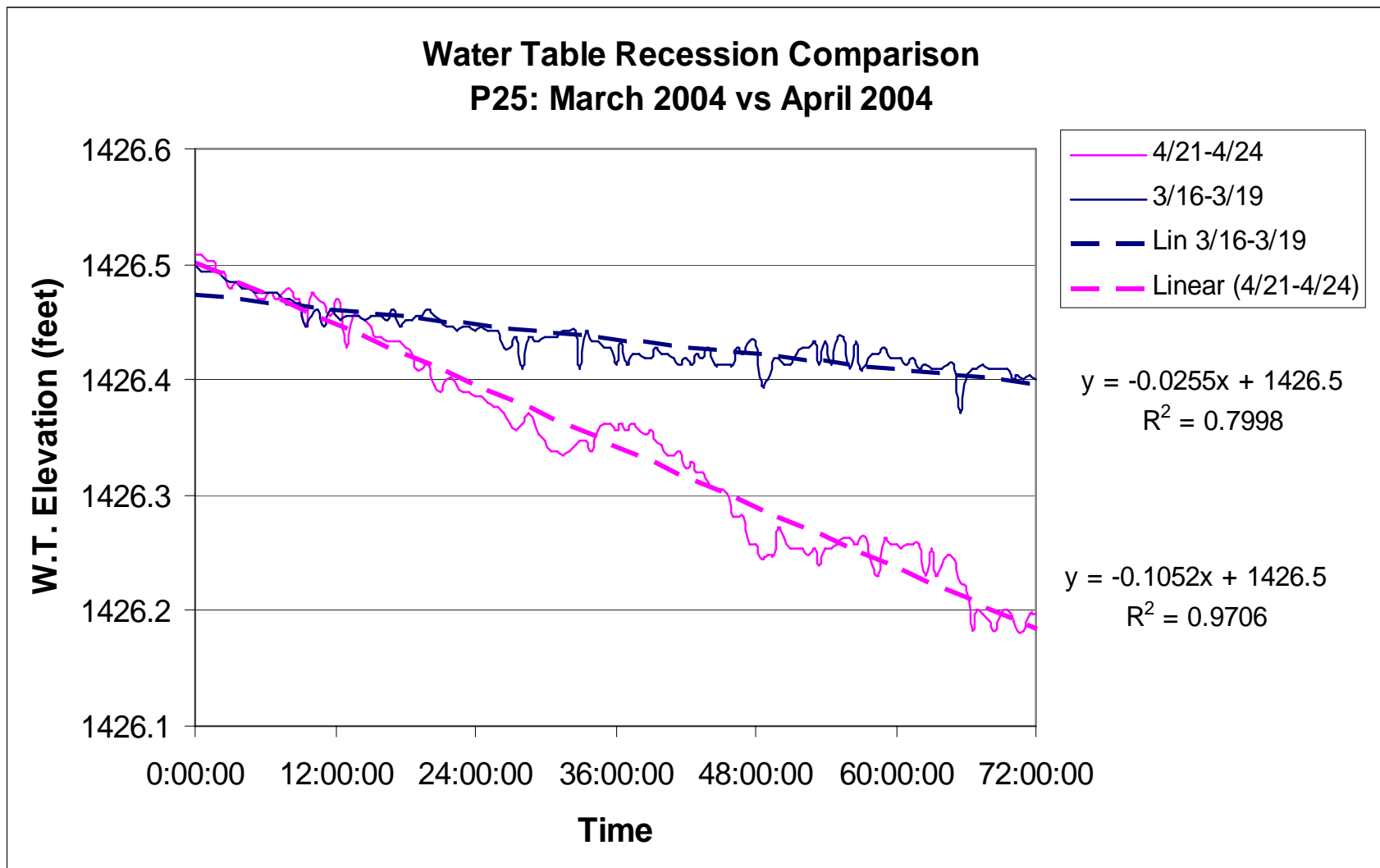


Figure B 20 P25 Active season groundwater recession comparison, March 2004 versus April 2004.

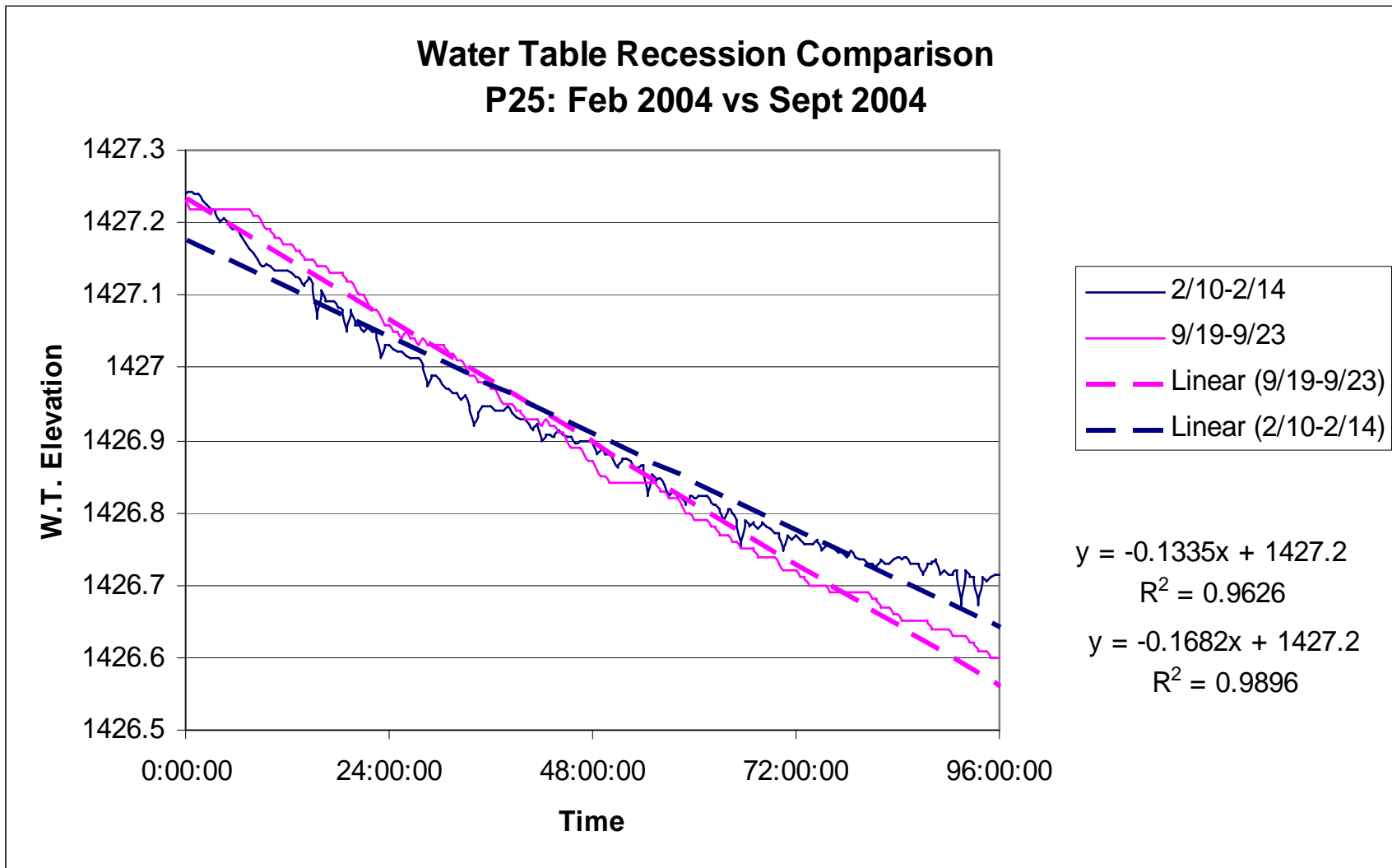


Figure B 21 P25 Active season groundwater recession comparison, February 2004 versus September 2004.

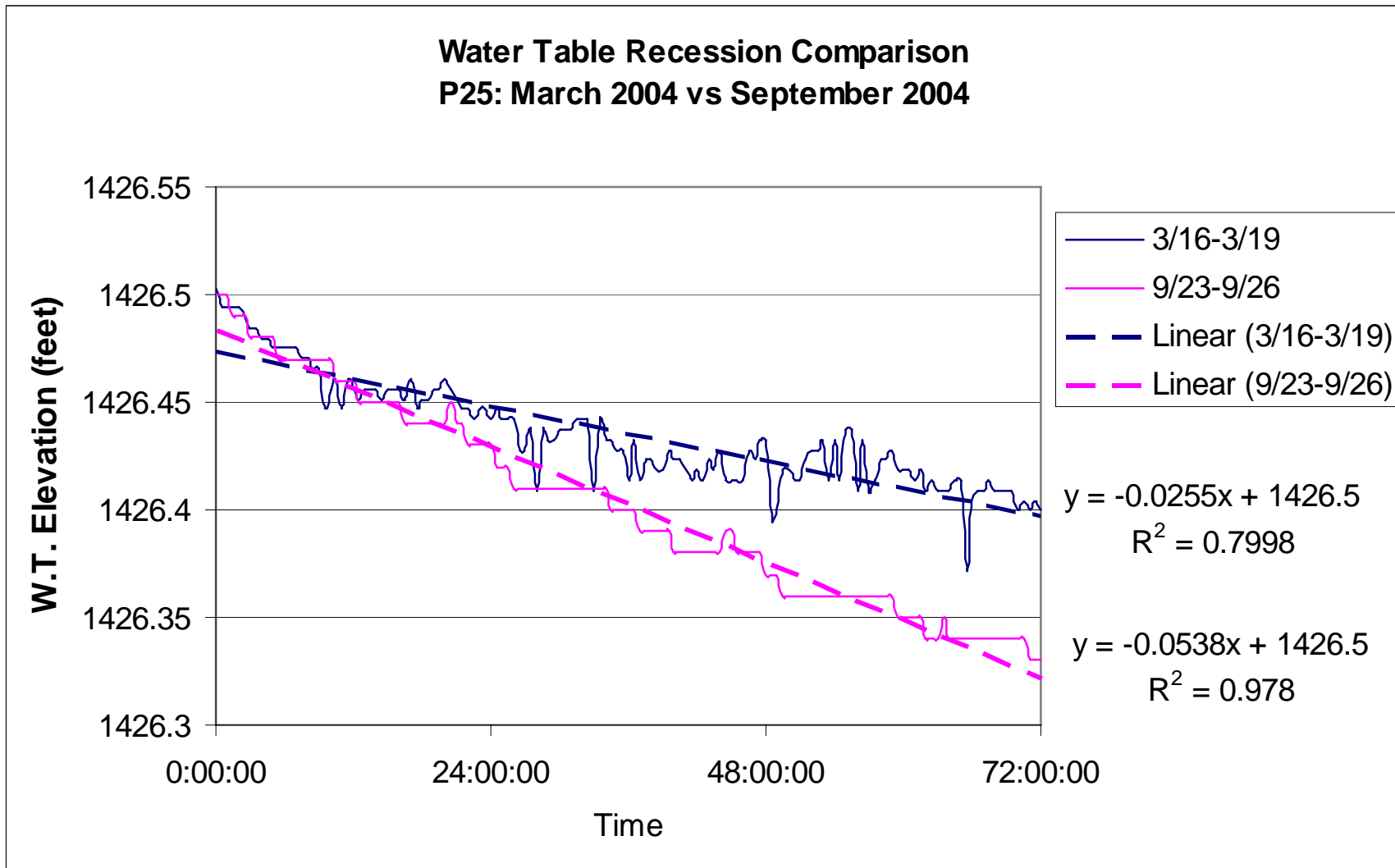


Figure B 22 P25 Active season groundwater recession comparison, March 2004 versus September 2004.