

## Appendix J. Southern New England/Mid-Atlantic winter flounder

By: Mark Terceiro

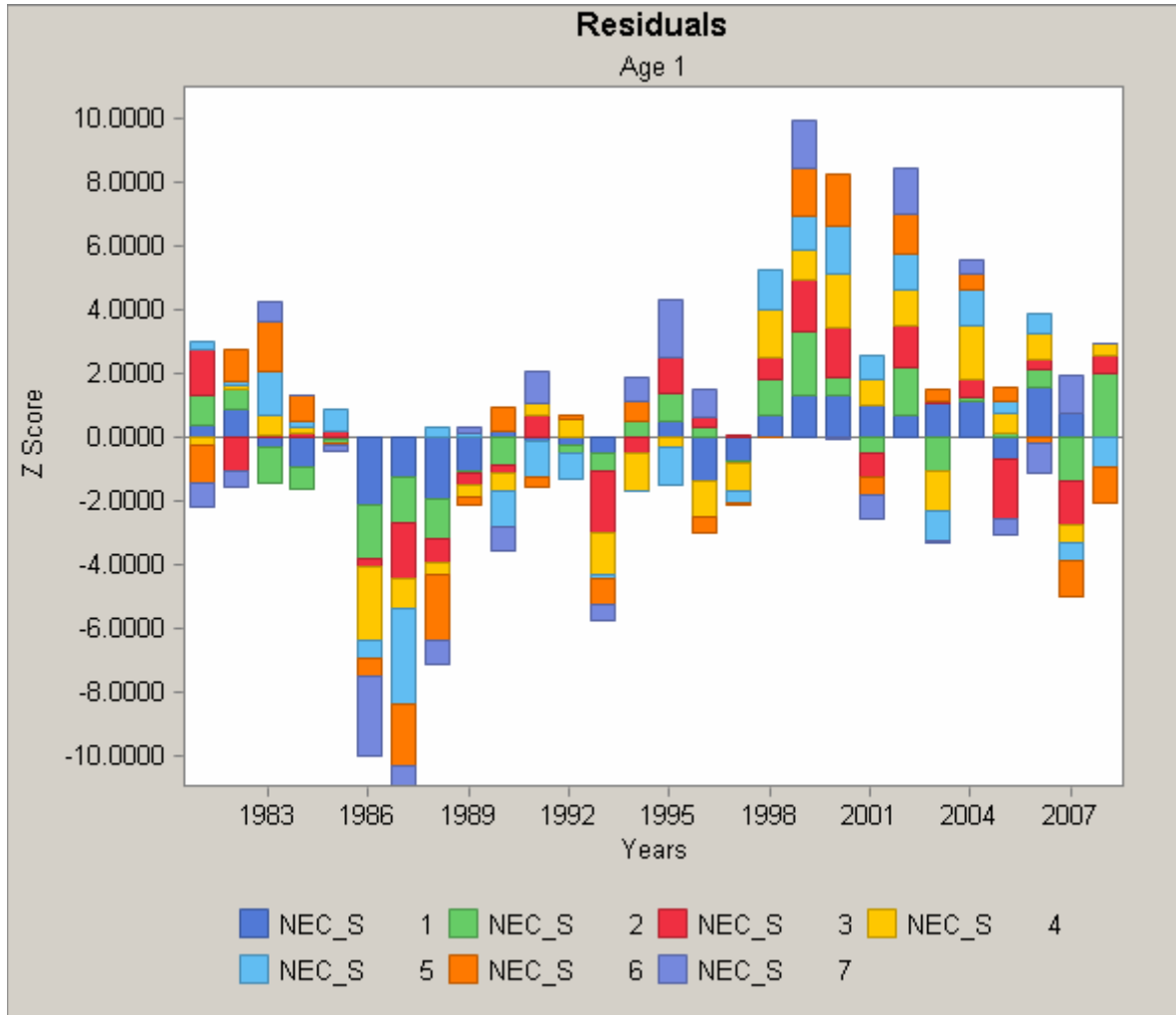


Figure 1. GARM3 ADAPT VPA BASE run survey index combined residuals: NEFSC Spring Survey ages 1-7.

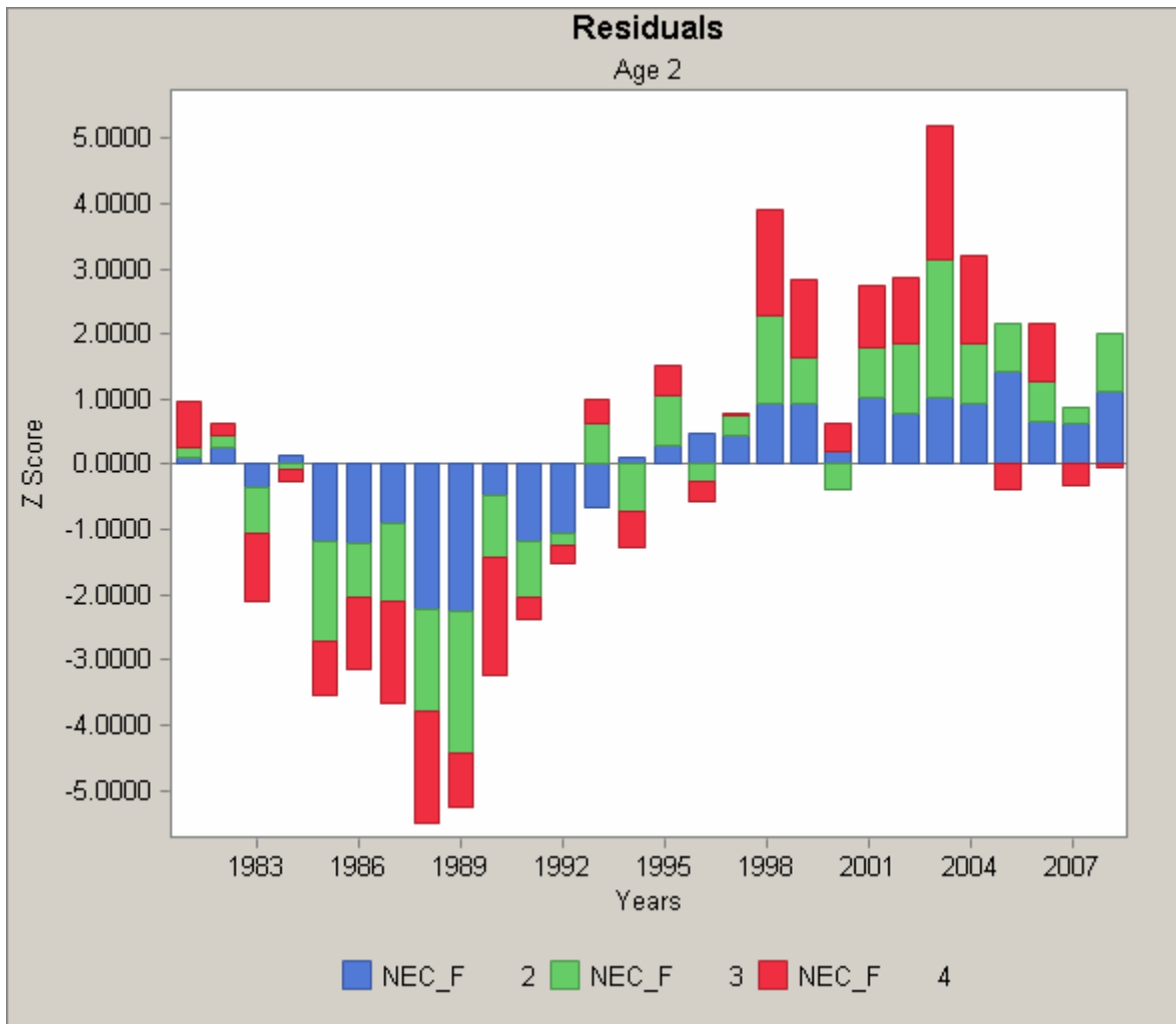


Figure 2. GARM3 ADAPT VPA BASE run survey index combined residuals: NEFSC Fall Survey ages 1-3 (tuned to ages 2-4 in year+1).

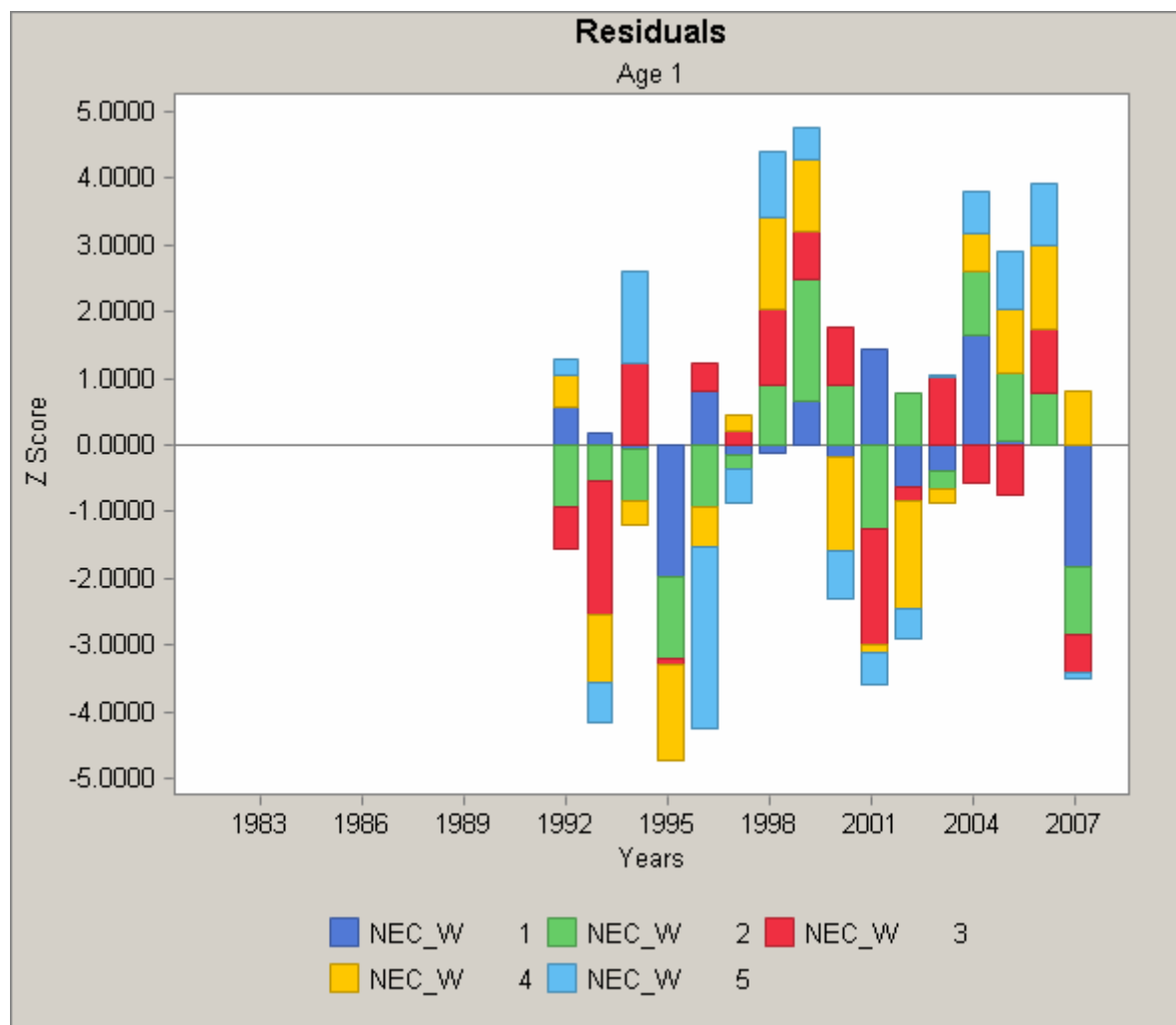


Figure 3. GARM3 ADAPT VPA BASE run survey index combined residuals: NEFSC Winter Survey ages 1-5.

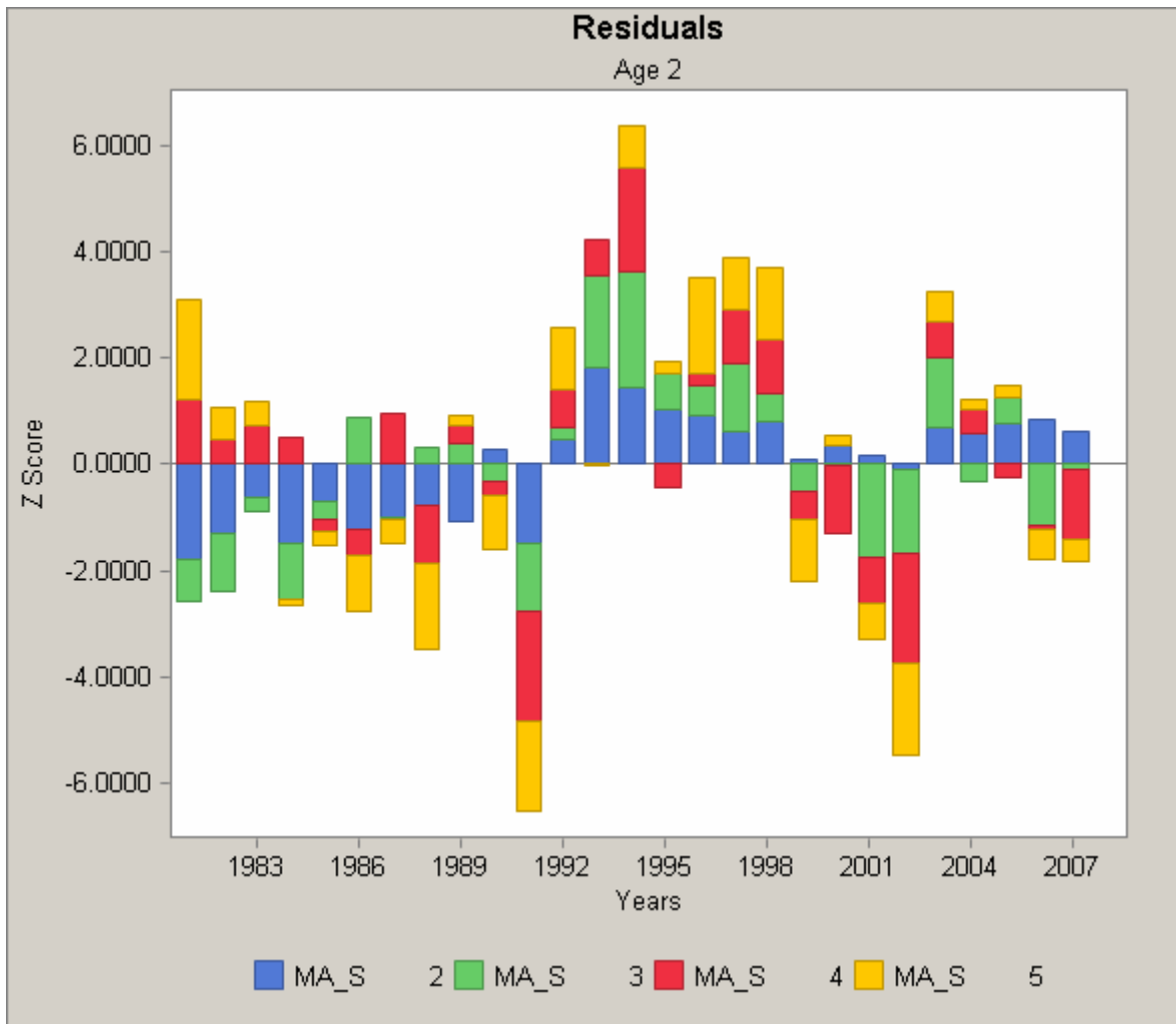


Figure 4. GARM3 ADAPT VPA BASE run survey index combined residuals: MADMF Spring Survey ages 2-5.

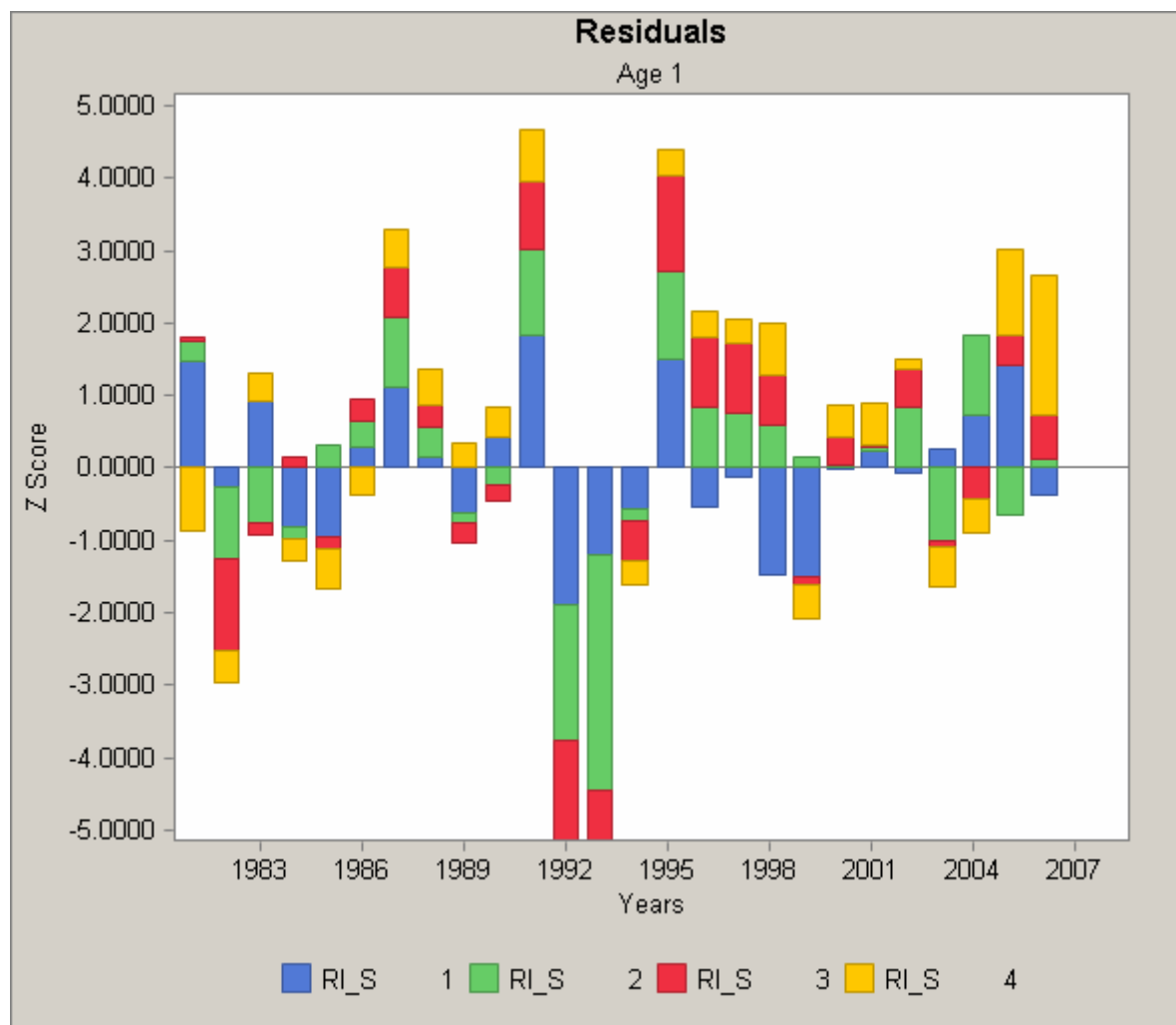


Figure 5. GARM3 ADAPT VPA BASE run survey index combined residuals: RIDFW Spring Survey ages 1-4.

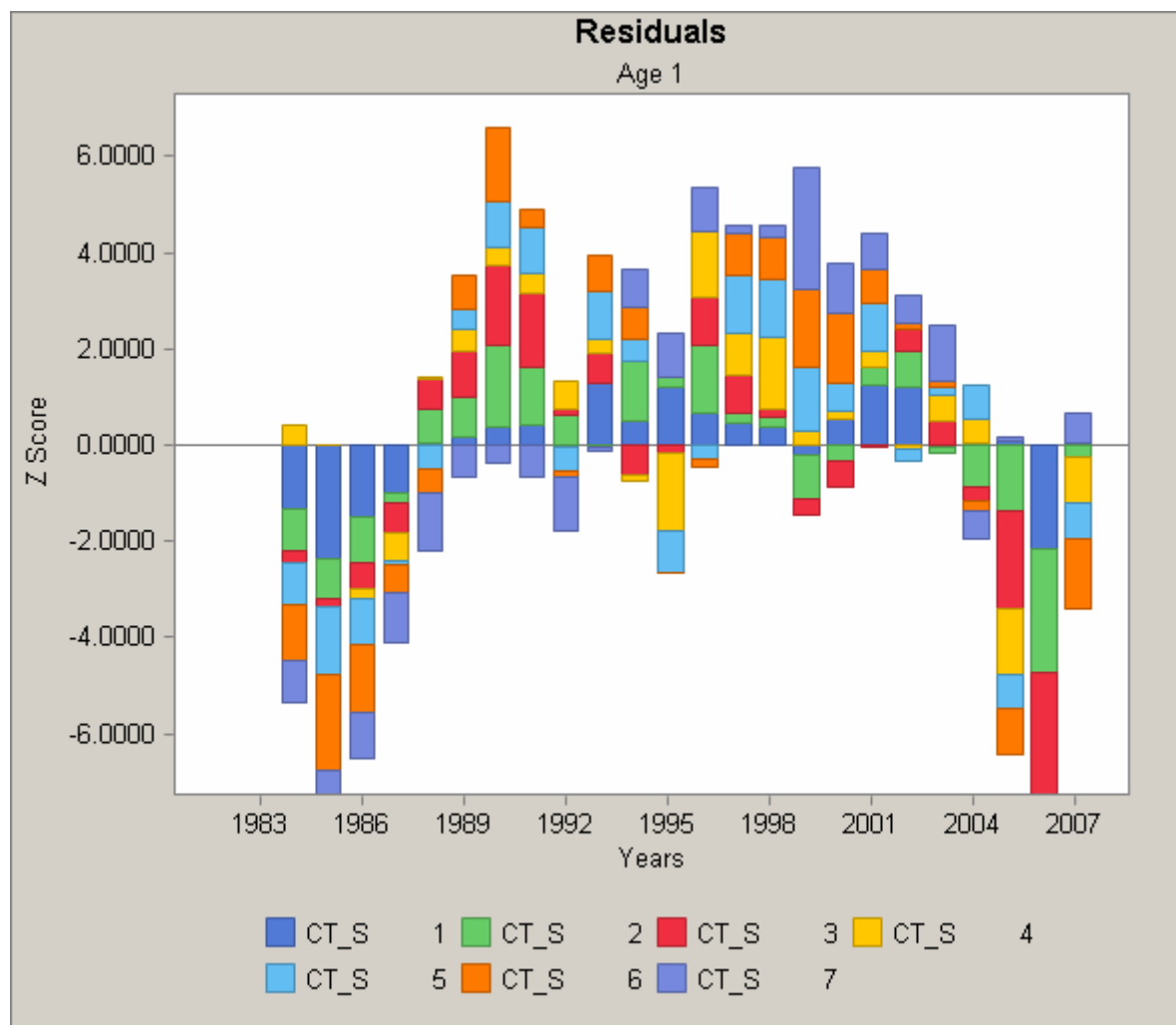


Figure 6. GARM3 ADAPT VPA BASE run survey index combined residuals: CTDEP Spring Survey ages 1-7.

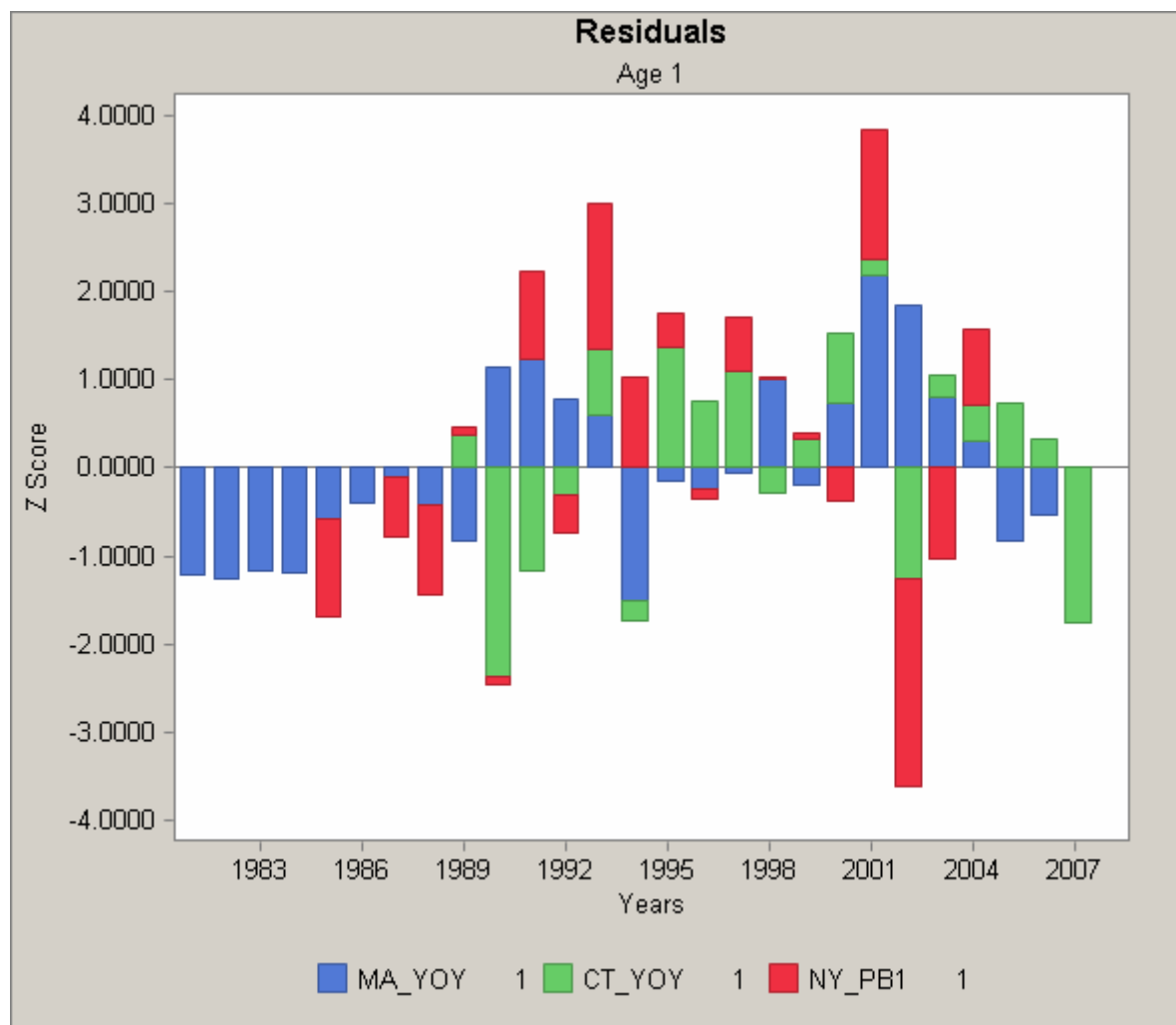


Figure 7. GARM3 ADAPT VPA BASE run survey index combined residuals: MADMF, CTDEP, and NYDEC age 1 indices (recruitment indices).

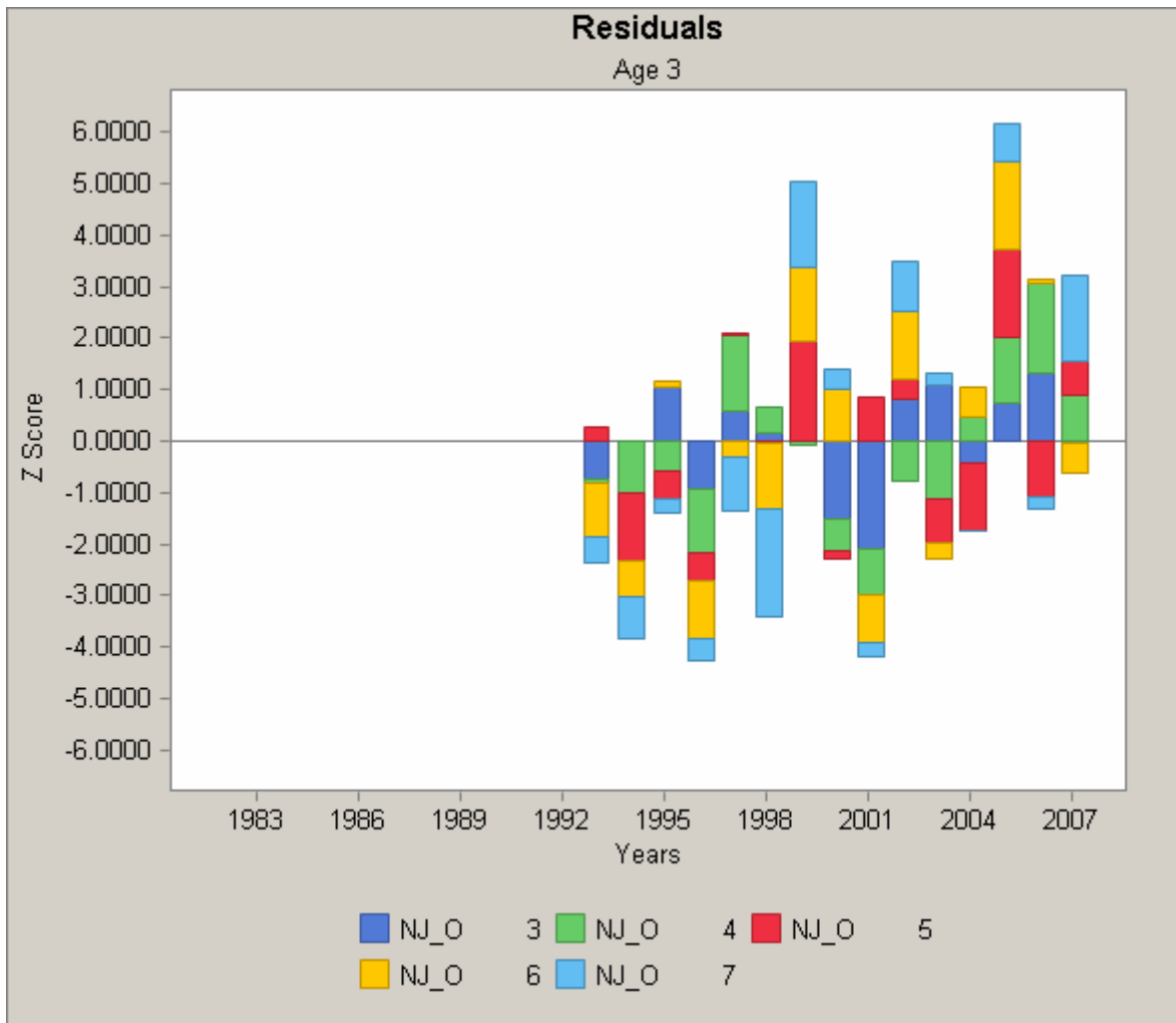


Figure 8. GARM3 ADAPT VPA BASE run survey index combined residuals: NJDFW Ocean survey ages 3-7.



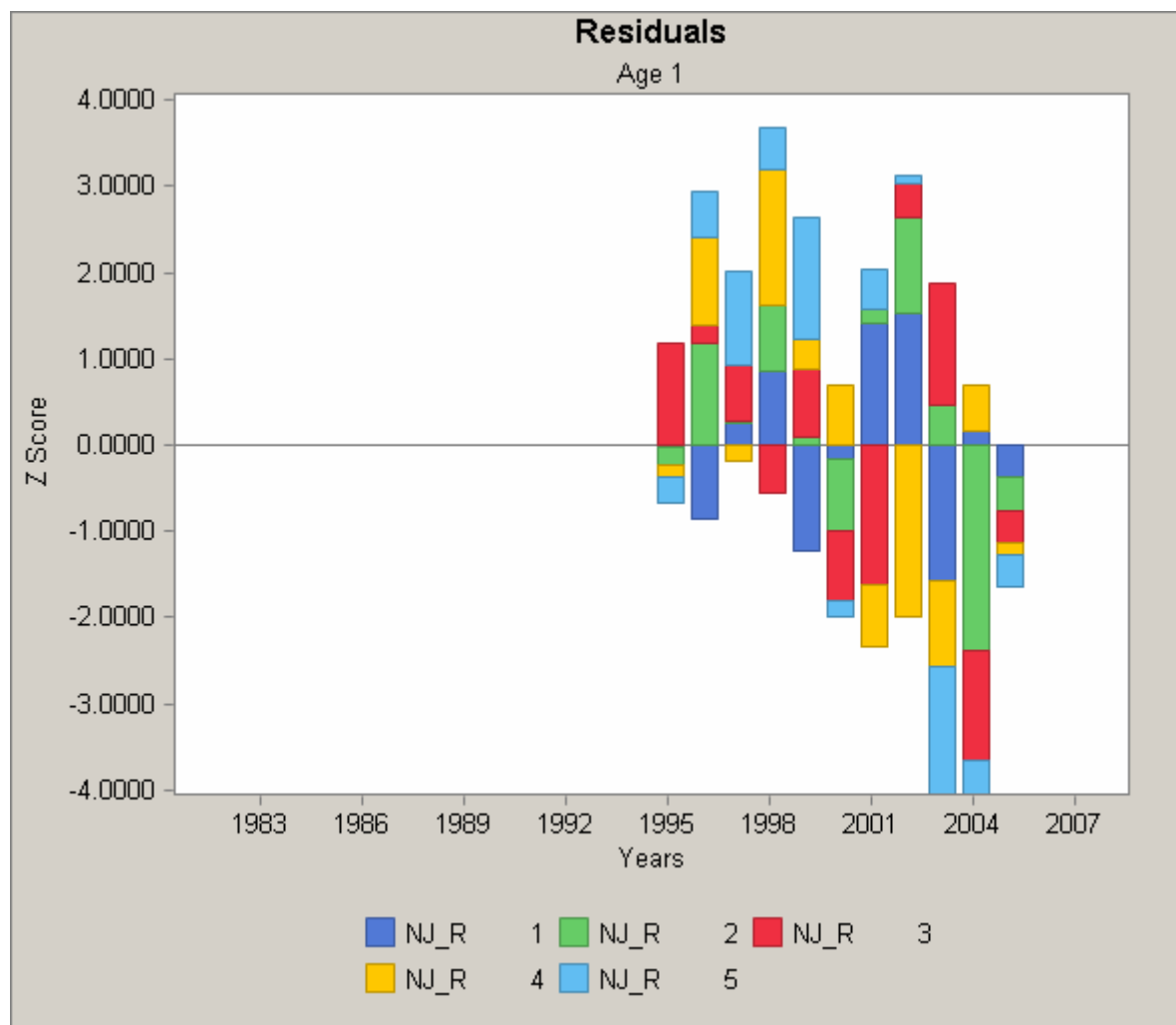


Figure 9. GARM3 ADAPT VPA BASE run survey index combined residuals: NJDFW Rivers survey ages 3-7.

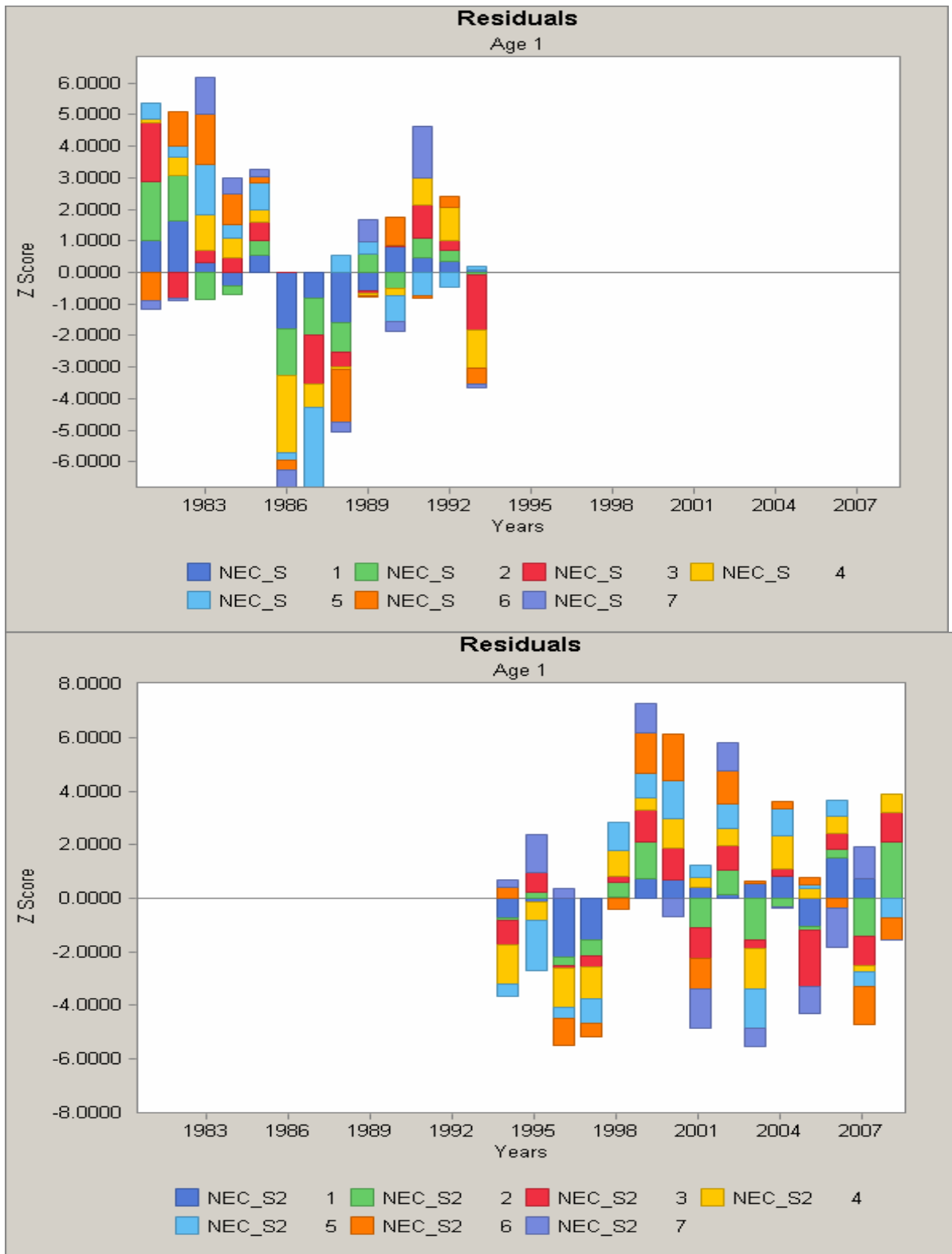


Figure 10. GARM3 ADAPT VPA SPLIT run survey index combined residuals: NEFSC Spring Survey ages 1-7.

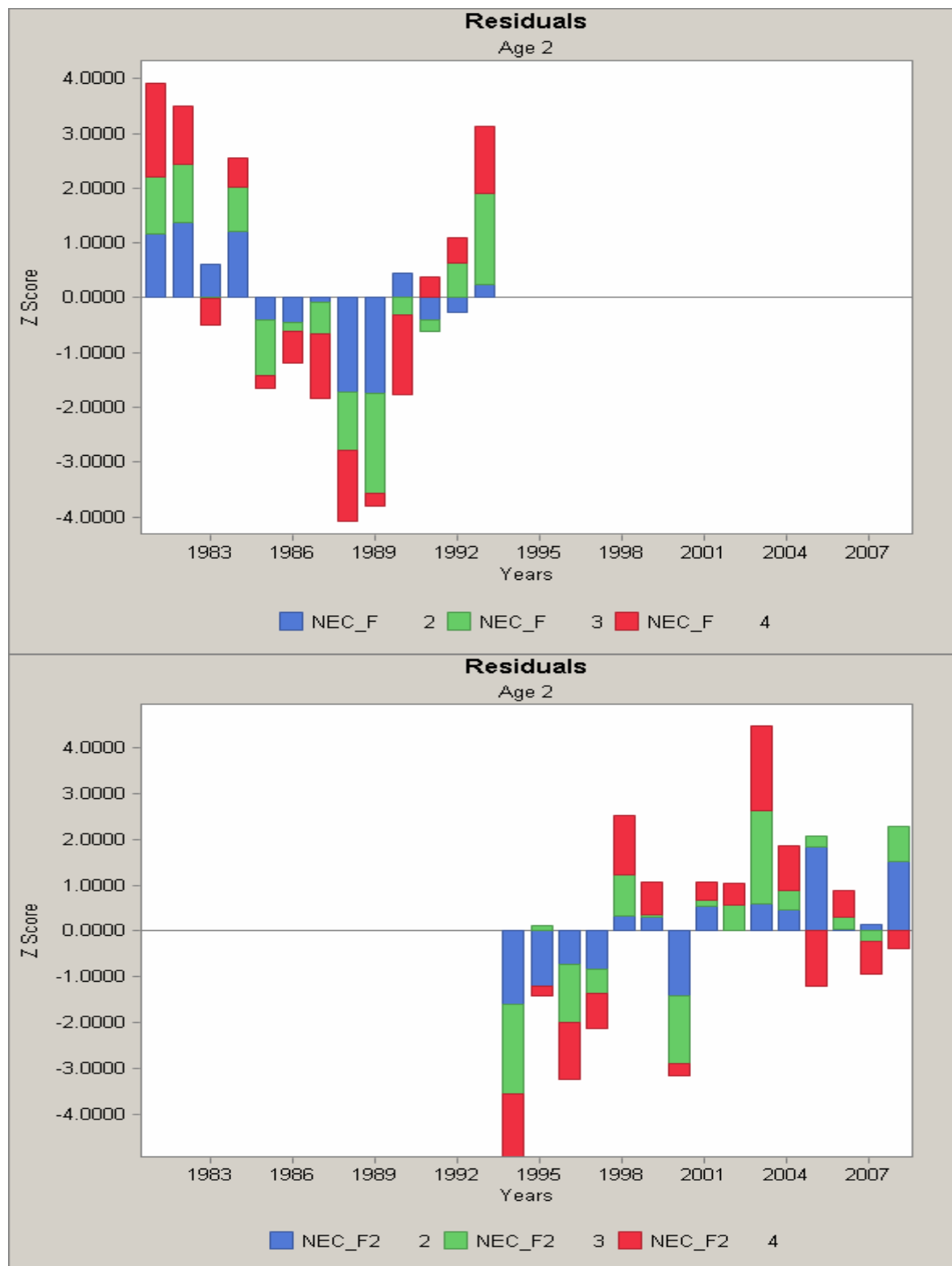


Figure 11. GARM3 ADAPT VPA SPLIT run survey index combined residuals: NEFSC Fall Survey ages 2-4.

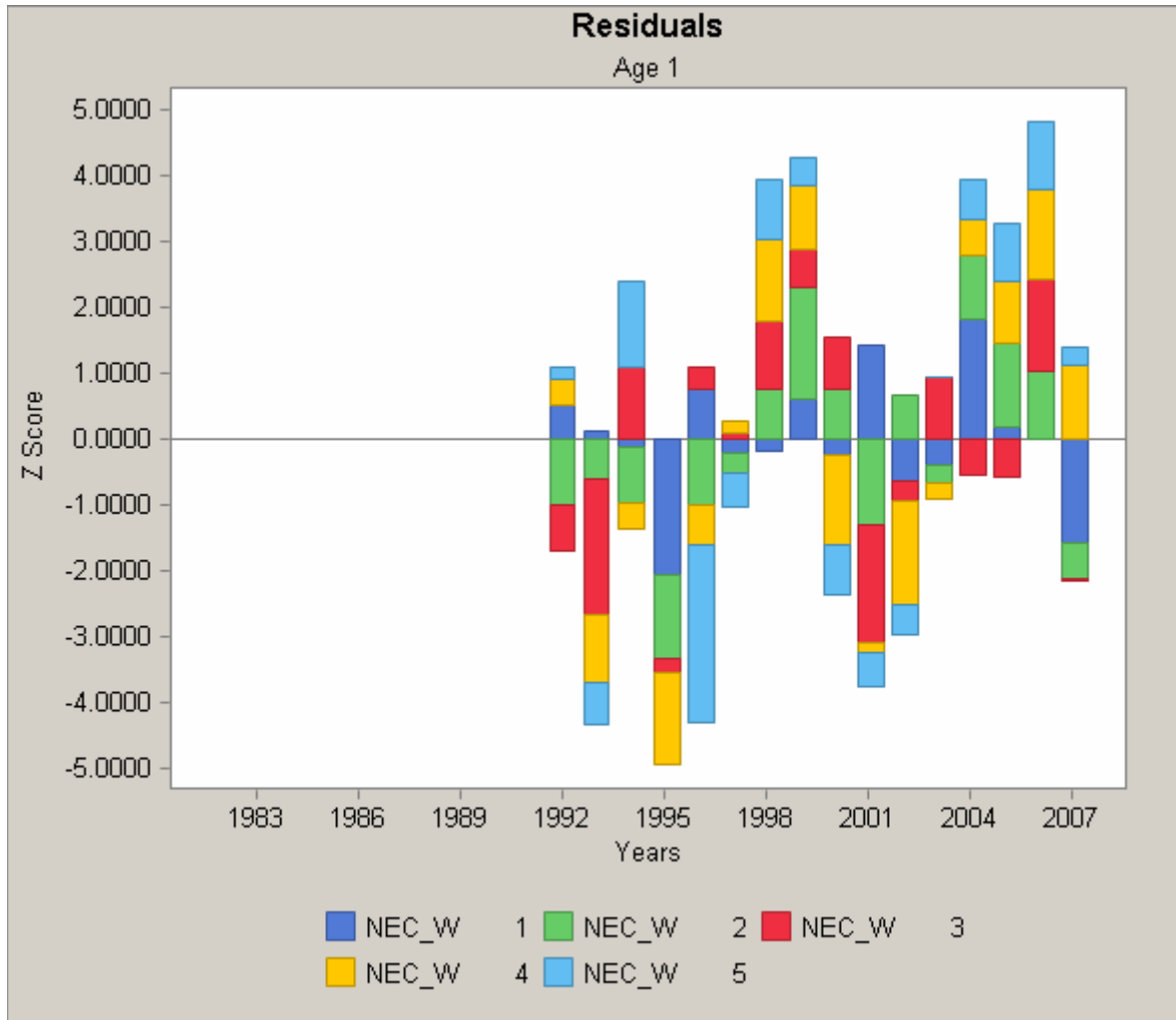


Figure 12. GARM3 ADAPT VPA SPLIT run survey index combined residuals: NEFSC Winter Survey ages 1- 5.

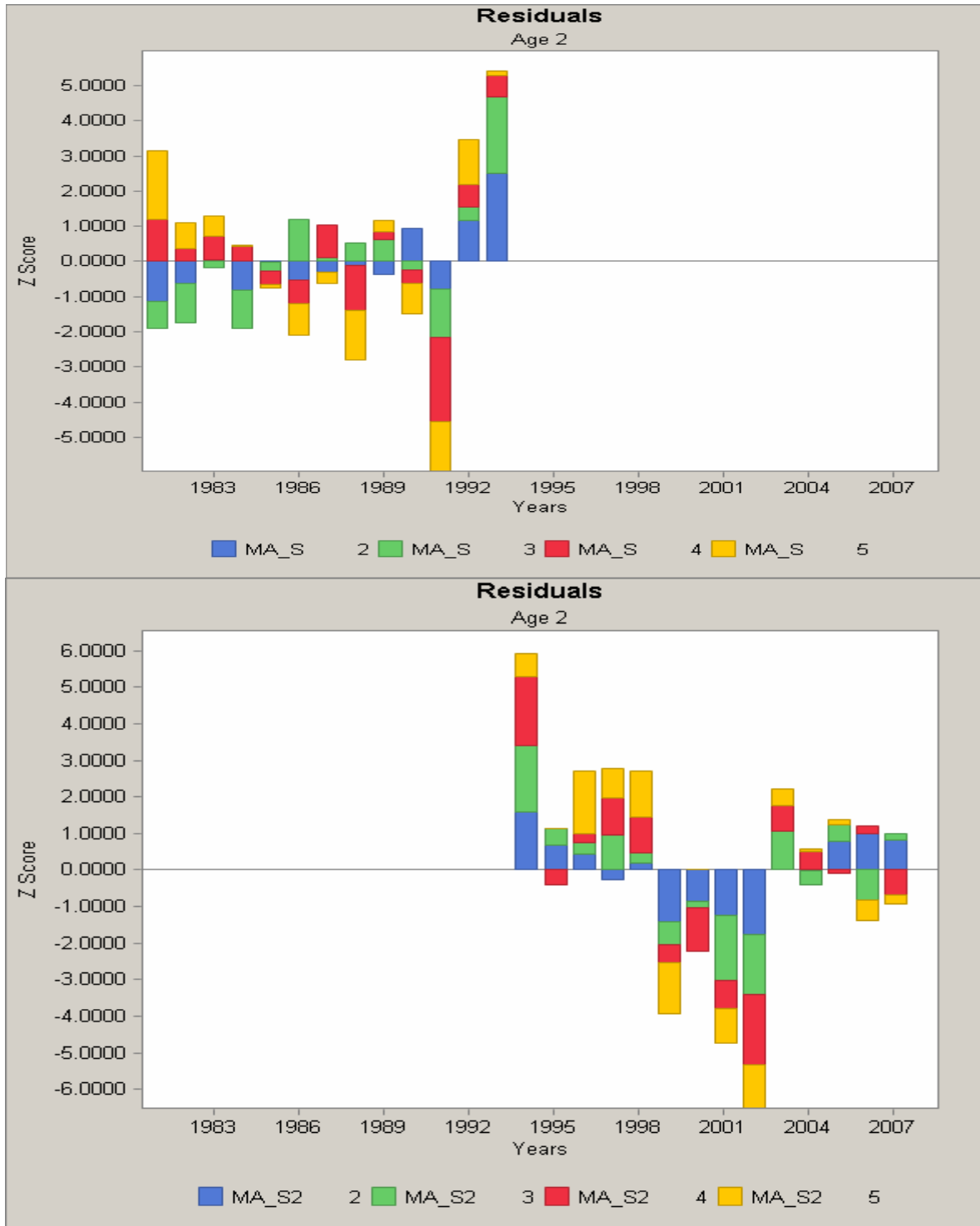


Figure 13. GARM3 ADAPT VPA SPLIT run survey index combined residuals: MDMF Spring Survey ages 2-5 .

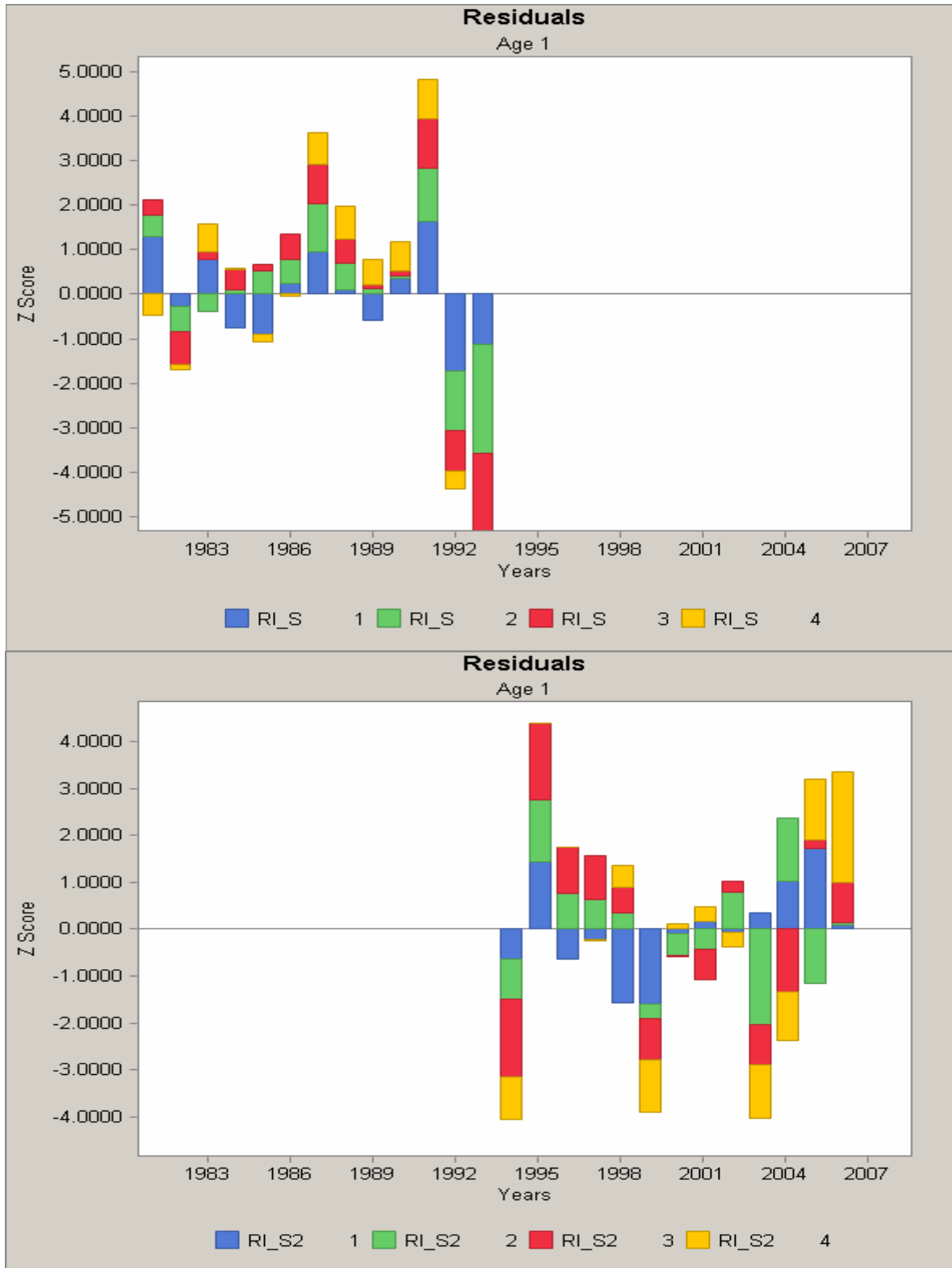


Figure 14. GARM3 ADAPT VPA SPLIT run survey index combined residuals: RIDFW Spring Survey ages 1-4 .

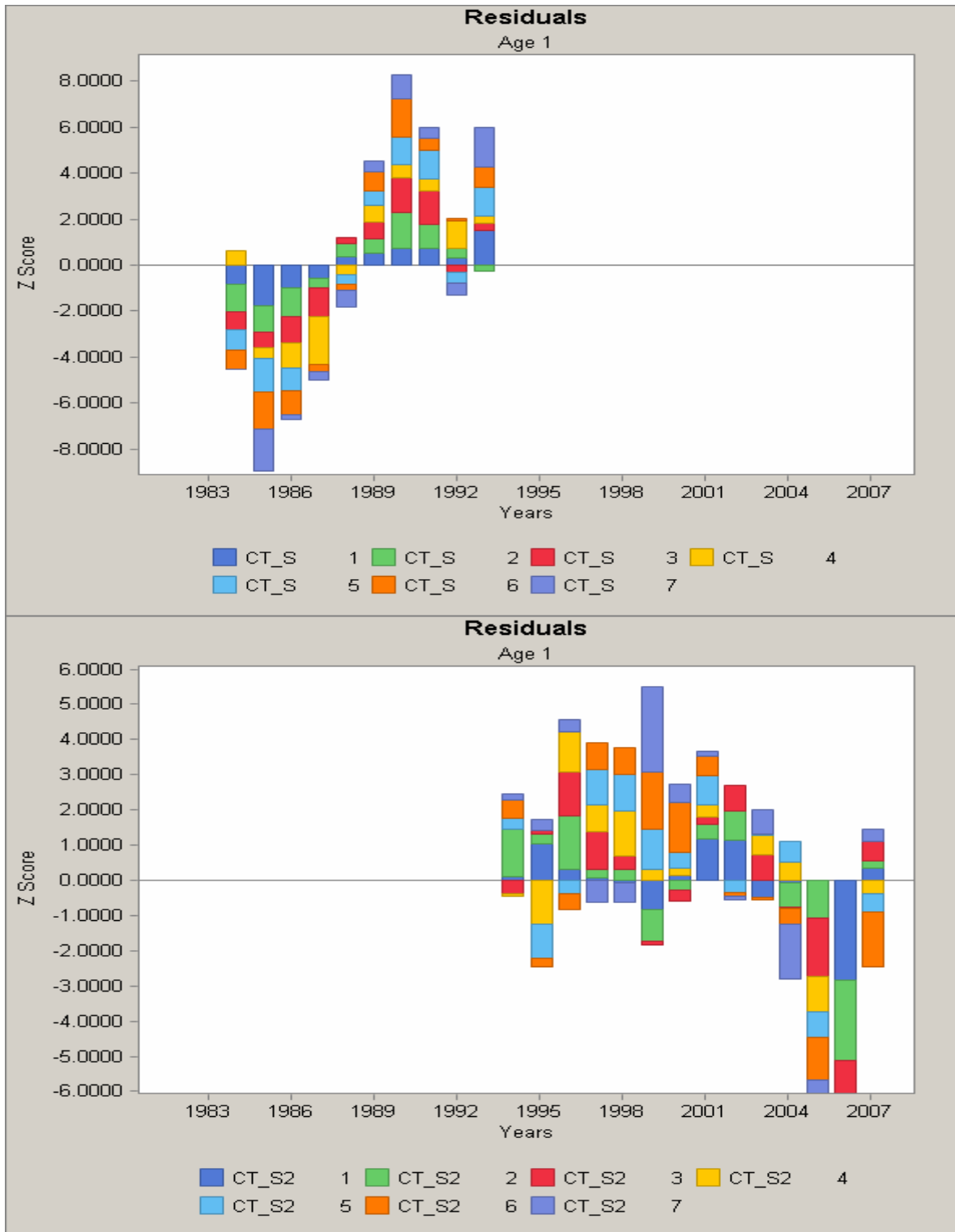


Figure 15. GARM3 ADAPT VPA SPLIT run survey index combined residuals: CTDEP Spring Survey ages 1-4.

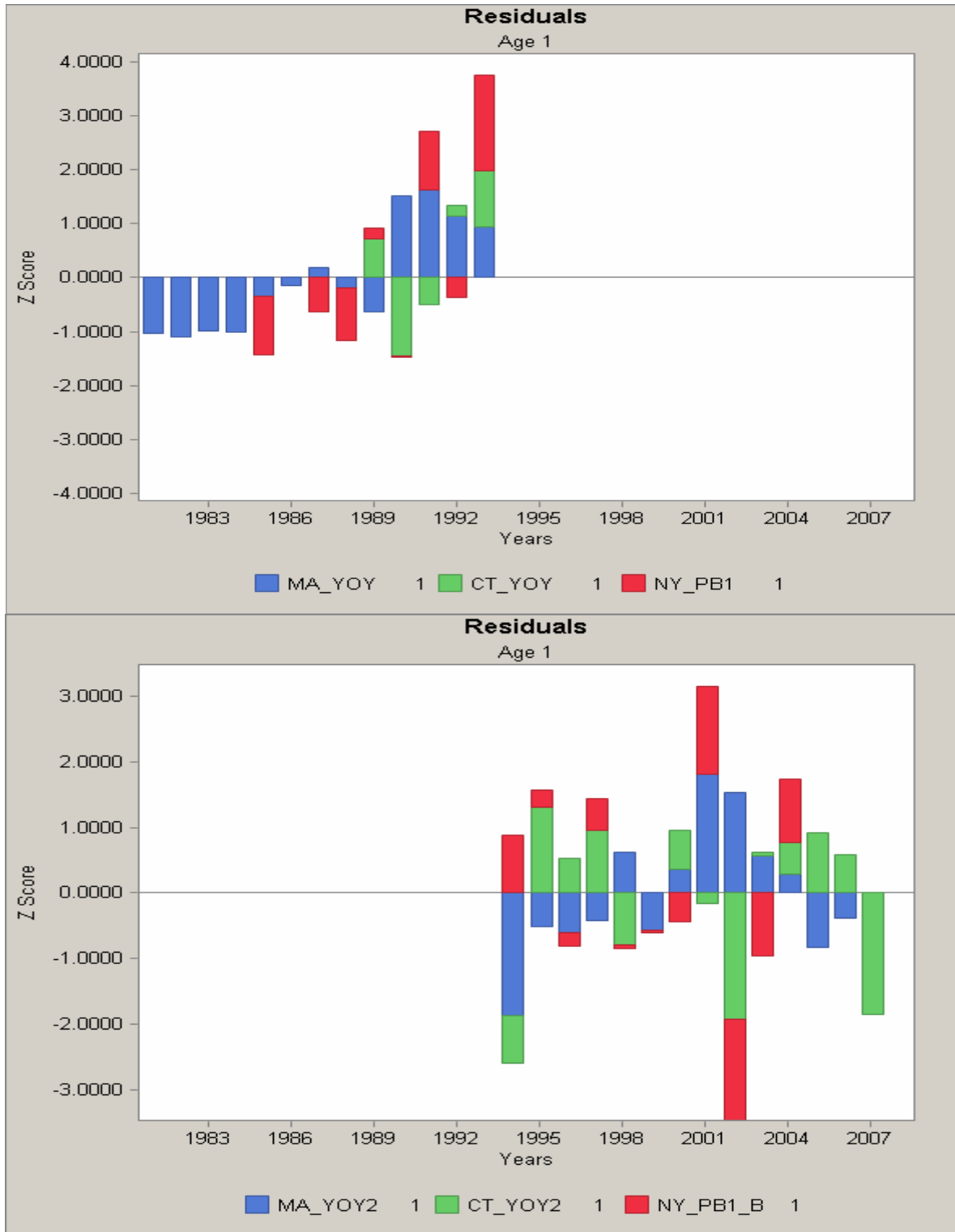


Figure 16. GARM3 ADAPT VPA PLIT run survey index combined residuals: MADMF, CTDEP, and NYDEC age 1 indices (recruitment indices).



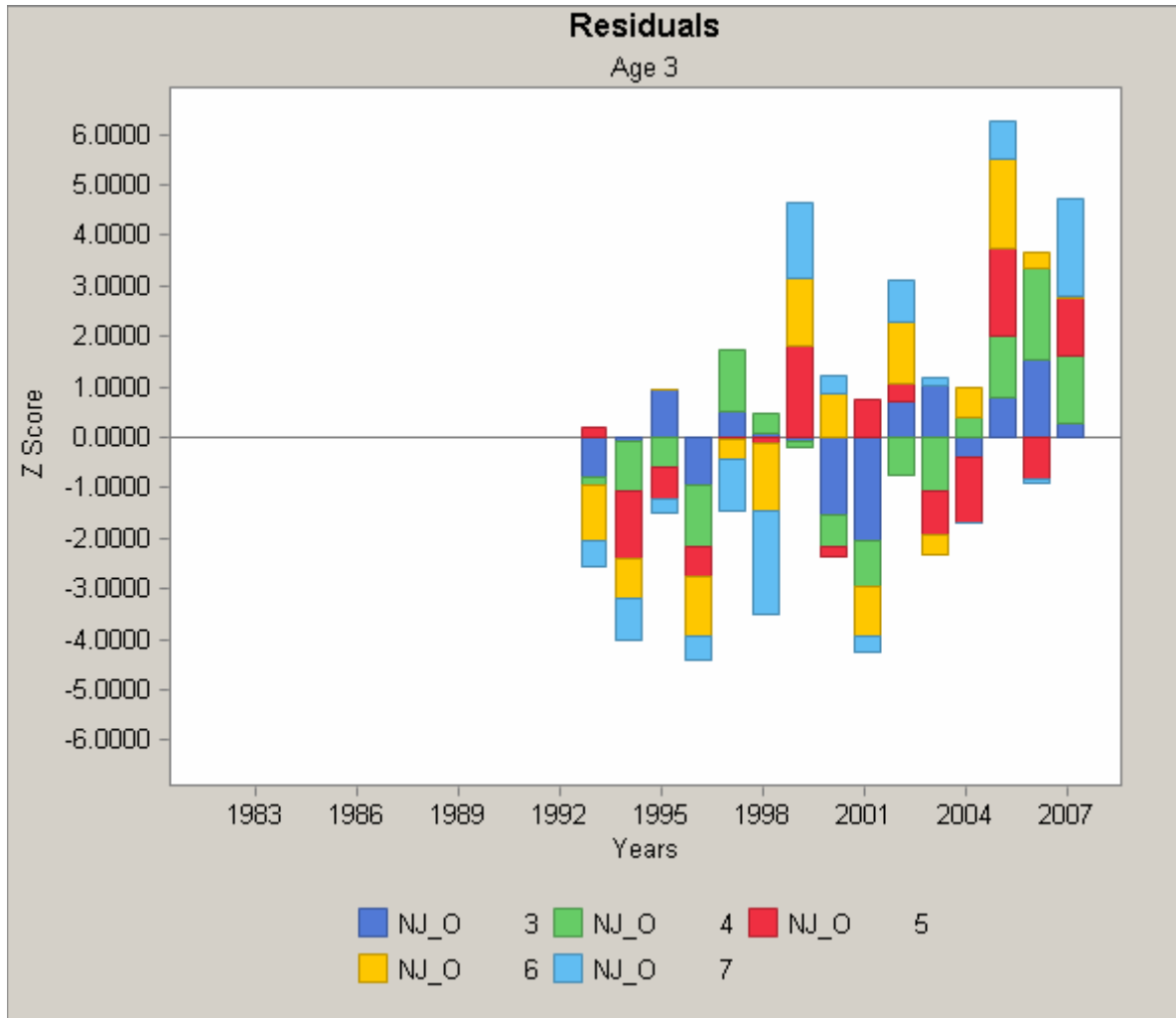


Figure 17. GARM3 ADAPT VPA SPLIT run survey index combined residuals: NJDFW Ocean survey ages 3-7.

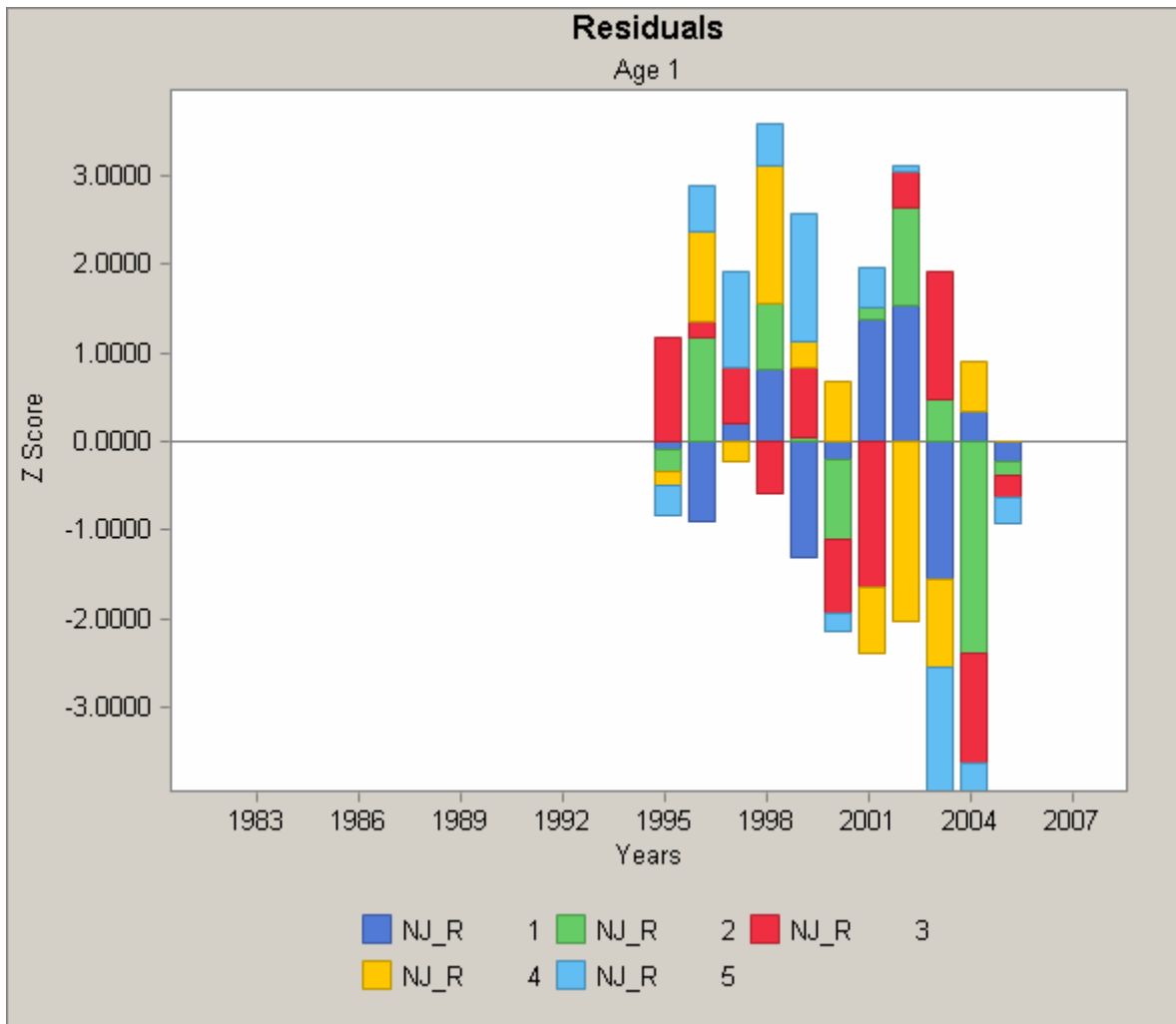


Figure 18. GARM3 ADAPT VPA SPLIT run survey index combined residuals: NJDFW Rivers survey ages 1-5.