Within-Sample S-TS Model Fit Proctor Creek, GA Paint Branch, MD 5 6 4 4 3 2 2 Jan 2010 APr 2015 Jan 2015 Jul 2015 Oct 2015 Jan 2016 APr 2010 Oct 2010 Jan 2011 Jul 2010 S. Br. Potomac River, WV Beaty Creek, OK 6 15 GPP (g $O_2 m^{-2} d^{-1}$) 4 10 2. 5 Apr 2009 Oct 2009 Jan 5010 APr 2012 Jul 2012 Jan 2013 ^{13U} 500₉ Jul 2009 Jan 2012 Oct 2012 Pecos River, TX Santa Margarita River, CA 12.5 25 10.0 20 7.5 15 5.0 10 2.5 5 0.0 Jul 2015 APT 2015 Oct 2015 Jan 2016 Jan 2012 Jul 2012 Jan 2015 APr 2012 Oct 2012 Jan 2013