Within-Sample S-TS Model GPP Predictions Paint Branch, MD Proctor Creek, GA 15-6 10 4 5 2 Jan 2015 Apr 2015 Jul 2015 Jan 2016 Jan 2010 Oct 2015 APr 2010 Oct 2010 Jan 2011 Jul 2010 Beaty Creek, OK S. Br. Potomac River, WV 8 30 GPP (g $O_2 m^{-2} d^{-1}$) 6 20 10 0 Jan 2012 Jan 2013 ^{1su} 500₀ APr 2009 Jul 2009 Jan 5010 APT 2012 Oct 2009 Jul 2012 Oct 2012 Santa Margarita River, CA Pecos River, TX 40 10 30 20 5-10 Jul 2015 Apr 2015 Jan 2016 Jan 2012 Jul 2012 Jan 2015 Oct 2015 APT 2012 Oct 2012 Jan 2013