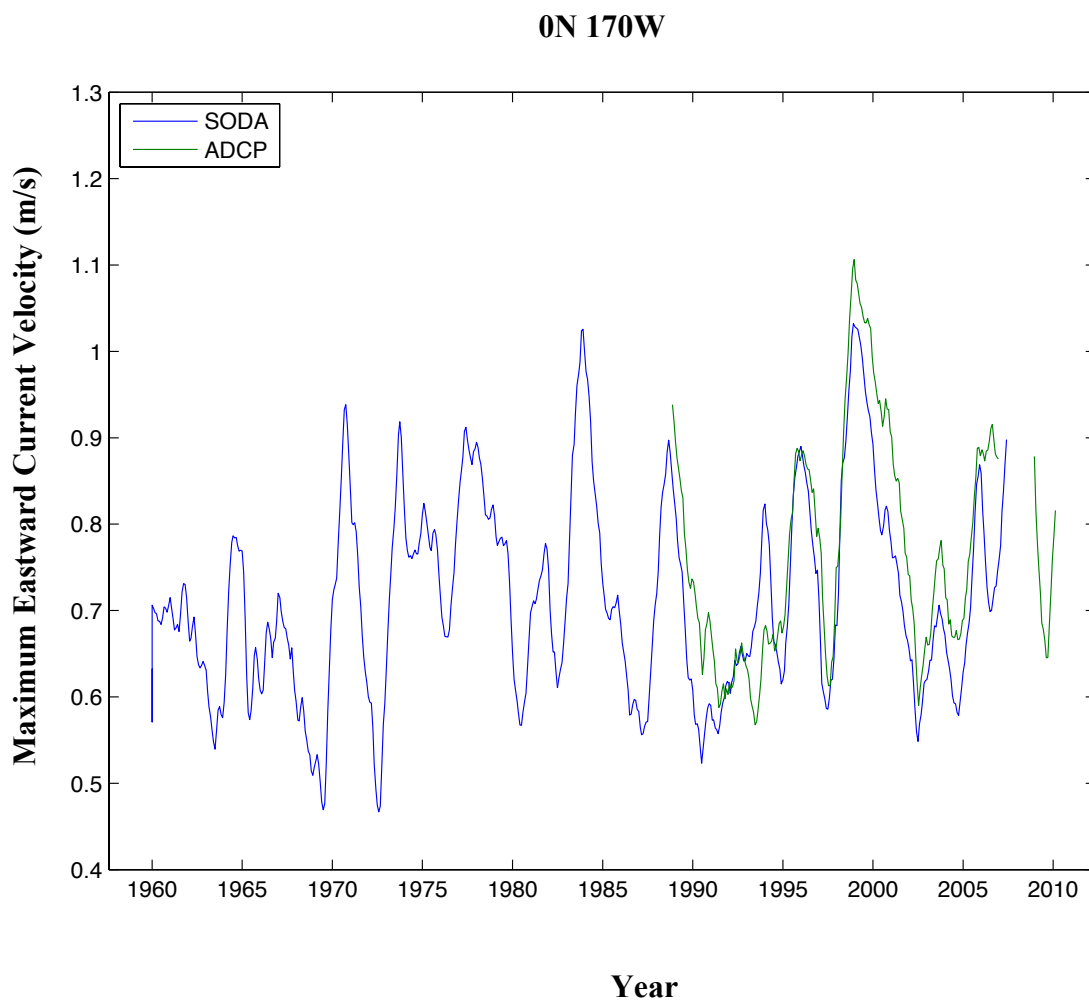


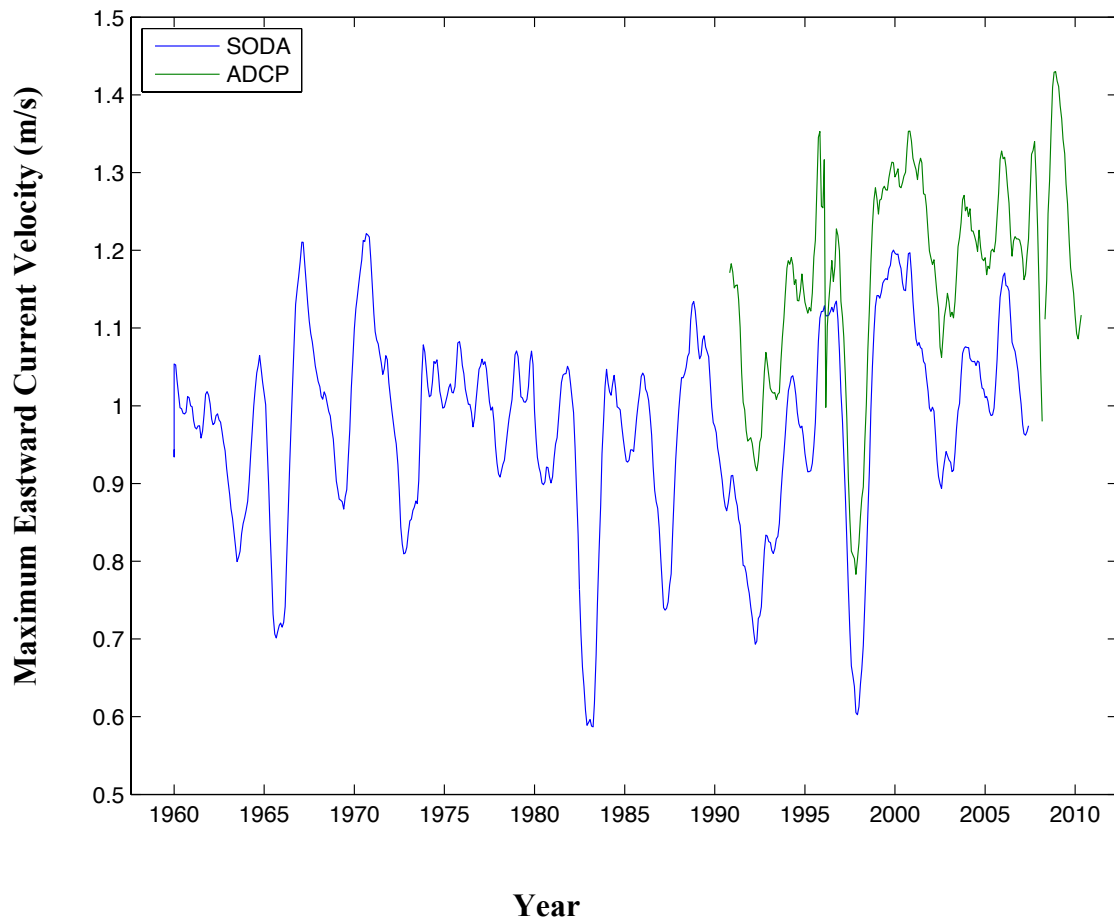
**SODA:** Max Eastward Velocity (u); u averaged ( $-1 < \text{lat} < 1$ ) and ( $189.5 < \text{lon} < 190.5$ ); 1-yr running mean  
**ADCP:** Max Eastward Velocity (u) @ 0N170W; 1-yr running mean



Fairly good agreement between SODA and the ADCP data. Biggest discrepancy seems to occur around 1992-1993 where the two time series appear to be out of phase. Aside from this point, the most consistent difference I noticed was that the ADCP measurements don't seem to get as low as the SODA at certain time points though the curve shapes are similar (e.g. 1990-1992 & 2000-2003). Perhaps this is due to the SODA data being the average eastward velocity across latitudes and longitudes. The SODA data were averaged because there was no information at exactly 0N170W (or any of the other exact ADCP locations for that matter).

**SODA:** Max Eastward Velocity (u); u averaged ( $-1 < \text{lat} < 1$ ) and ( $219.5 < \text{lon} < 220.5$ ); 1-yr running mean  
**ADCP:** Max Eastward Velocity (u) @ 0N140W; 1-yr running mean

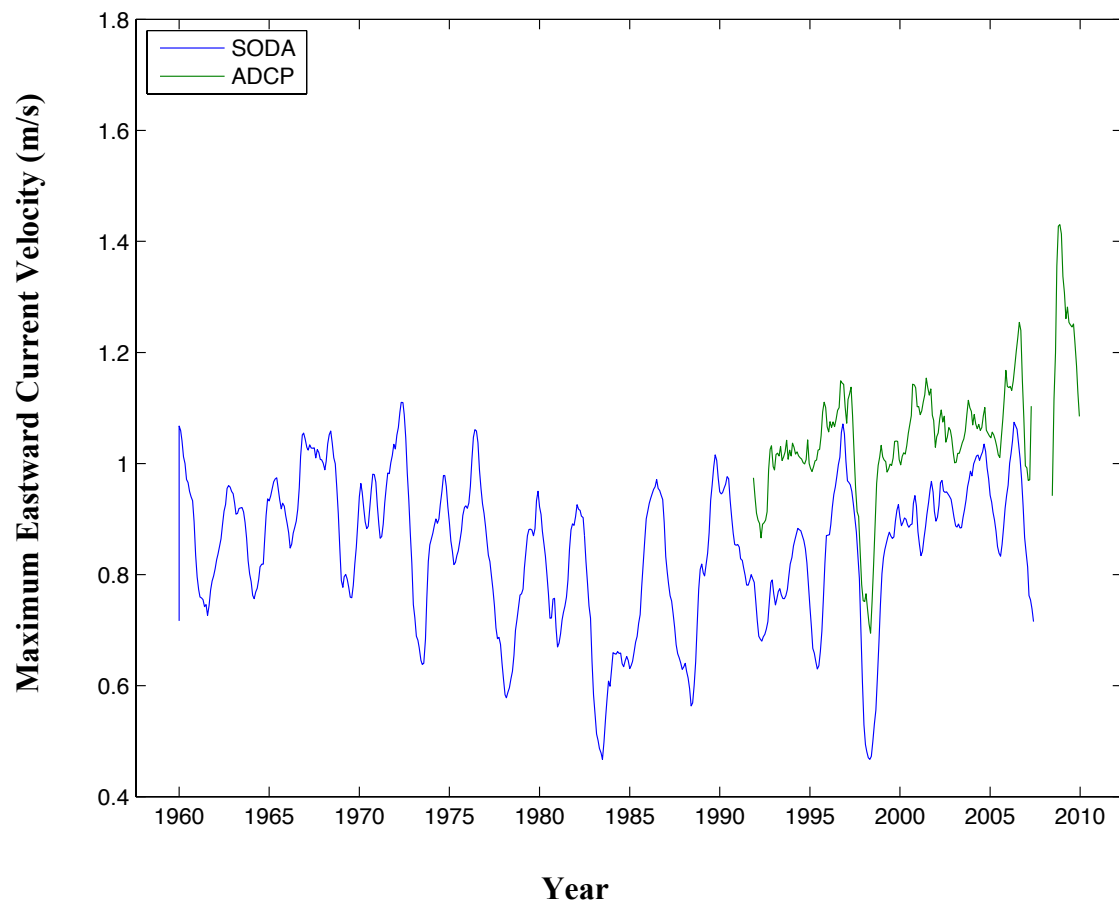
**0N 140W**



The two time series appear to generally agree in shape but the ADCP exhibits a higher baseline current intensity. I wonder if this could be attributed to instrument error since the offset seems fairly consistent in both low and high ends of the ADCP range.

**SODA:** Max Eastward Velocity (u); u averaged ( $-1 < \text{lat} < 1$ ) and ( $249.5 < \text{lon} < 250.5$ ); 1-yr running mean  
**ADCP:** Max Eastward Velocity (u) @ 0N110W; 1-yr running mean

### 0N 110W



This looks similar to the 140W plot above where the observed current baseline appears to exceed the modeled current baseline though the curve-shape is very similar for both time series. The TAO data doesn't seem to reach the same current intensity lows of the SODA data set. Both exhibit the '97/'98 El Niño but SODA also exhibits low current intensity in 1995 and 2005, which does not seem to be as pronounced in the ADCP data.