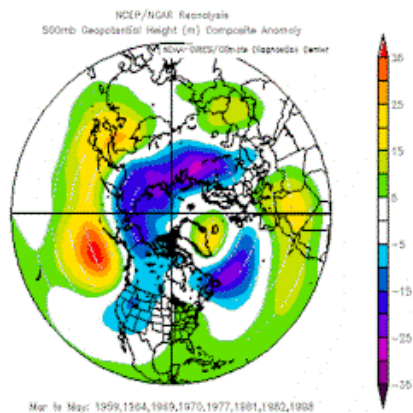


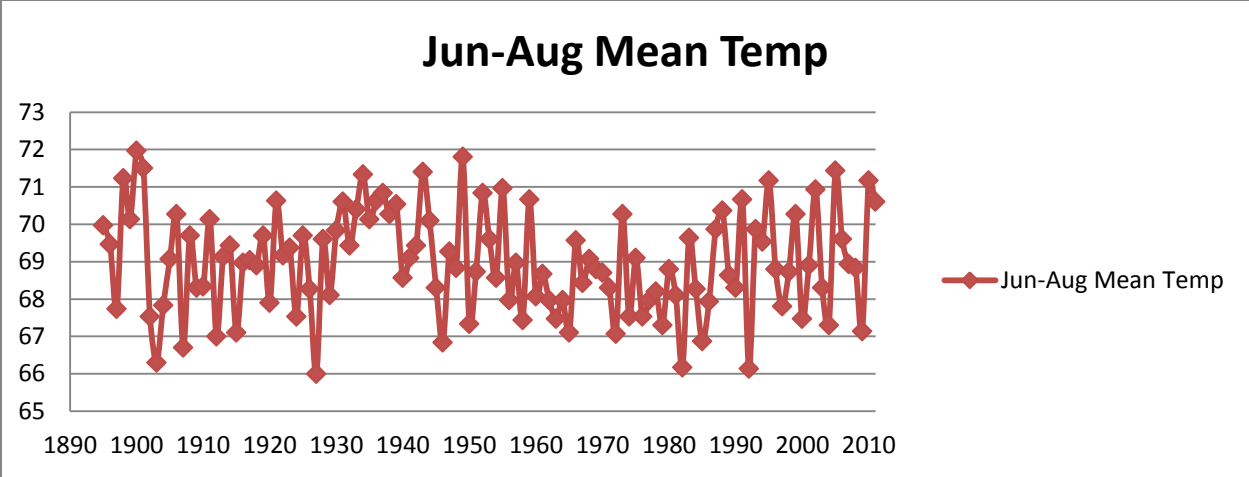
The Pennsylvania Observer



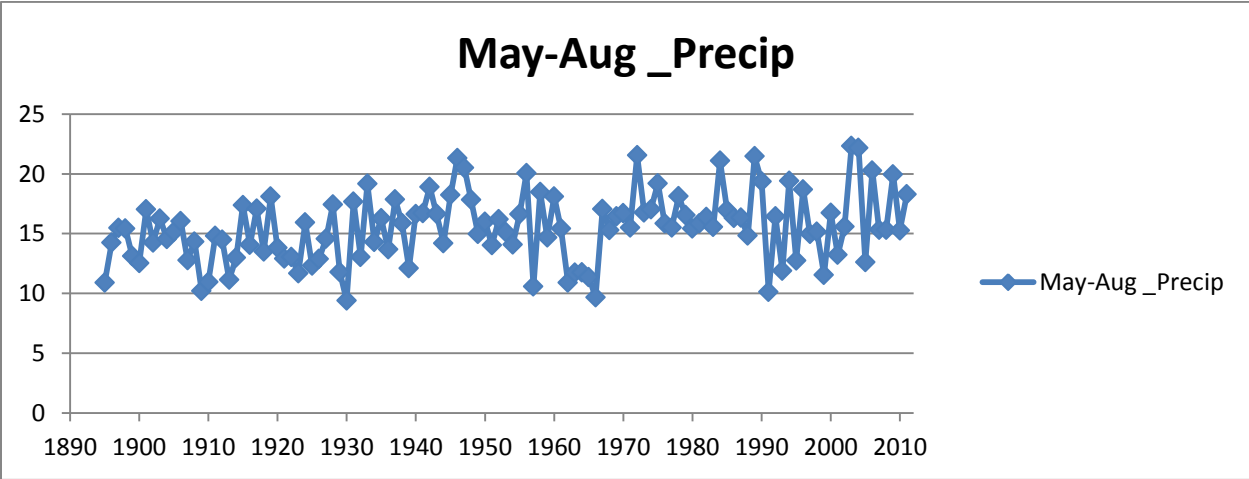
FEATURED CLIMATE HIGHLIGHT 1

By: Steven Engblom

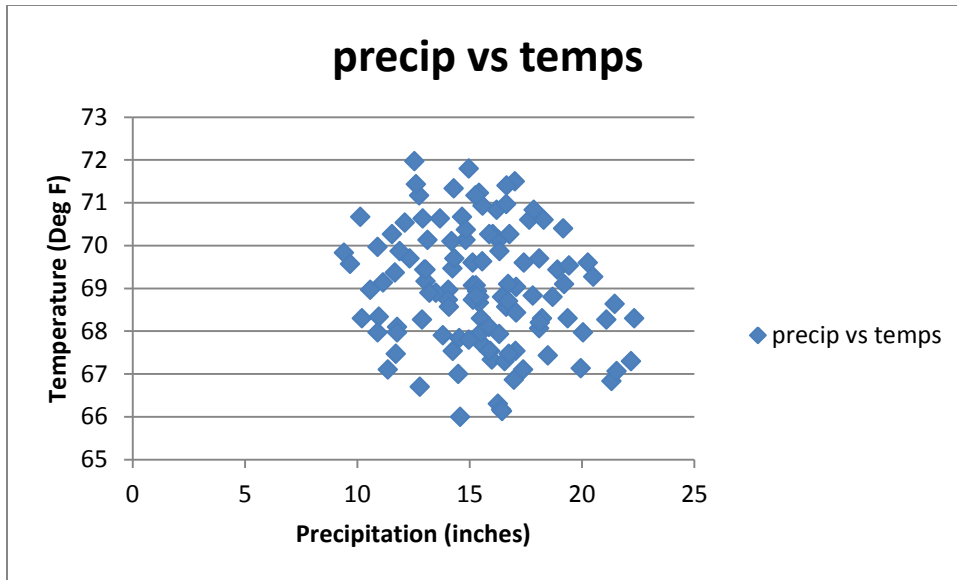
Consider the relationship between summer temperatures (June-July-August) in Pennsylvania and the amount of rain that falls during the growing season in the state. The following graphs illustrate that connection.



Note the ups and downs of summer temperatures in Pennsylvania.



Look at the slow, but steady rise in the mean amount of rainfall during the heart of the growing season.



This graph shows that the hottest summers are usually dry and the cooler summers are rather wet.

FEATURED CLIMATE HIGHLIGHT 2

By: Steven Engblom

Let's explore the relationship between a warm year to date and what the following October temperatures and precipitation anomalies are in Pennsylvania.

	Average US Regional temps for January thru June			October temps after warm first half					october precip after warm first half						
	northeast	upper midwest	ohio valley	Clim Div	1	3	5	7	9	2	4	6	8	10	
2006	43.4	42	51.6		1.24	-0.7	-1	-0.9	-1.4	1.12	1.15	1.33	1.22	4.07	
2002	43.3	39.6	50.6		4.03	0.1	-0.9	-0.8	-0.2	4.43	3.33	1.29	1.9	-0.13	
2000	42.1	41.1	51.2		-1.67	1	2.4	2.4	3.1	-1.92	-2.31	-0.16	-0.65	-0.34	
1999	42.6	40.5	50.5		-0.93	-1.3	-1.6	0.3	0.4	-0.97	-0.56	-1.52	-0.9	-0.9	
1998	44.8	42.6	52.2		0.02	1.1	2	3.1	2	1.05	-0.48	0.51	-0.98	-0.13	
1991	43.7	41.1	52.1		-0.22	0.7	1.6	1.8	2	-0.45	-0.98	-1.11	-1.71	-1.05	
1990	43.2	40.9	51.6		1.36	4	4.2	3.7	2.4	1.09	3.78	3.9	2.5	2.14	
1976	41.8	39.7	50.2		4.43	-3.4	-4.5	-5	-5.3	4.8	7.2	3.65	5.97	0.56	
1933	43.4	39.6	51.4		-0.49	-0.4	0.1	-1.4	0.7	-1.47	-0.62	-0.74	-1.68	-1.96	
1921	44.2	42.6	53.4		-2.17	0	1.2	0.9	1.2	-2.27	1.94	-1.77	-1.21	-0.31	
				mean	0.56	0.11	0.35	0.41	0.49		0.541	1.245	0.538	0.446	0.195

Three regions, the Northeast, the Upper Midwest and the Ohio Valley were examined for previous very warm periods from January-June.

Those common years, listed on the far left side, were then used to explore the temperature and precipitation departures for Pennsylvania's climate divisions. These are displayed in the right part of the table.

The result is most Octobers that follow a warm first half of the year are milder than average, but precipitation tends to be either very wet or rather dry with no clear message.