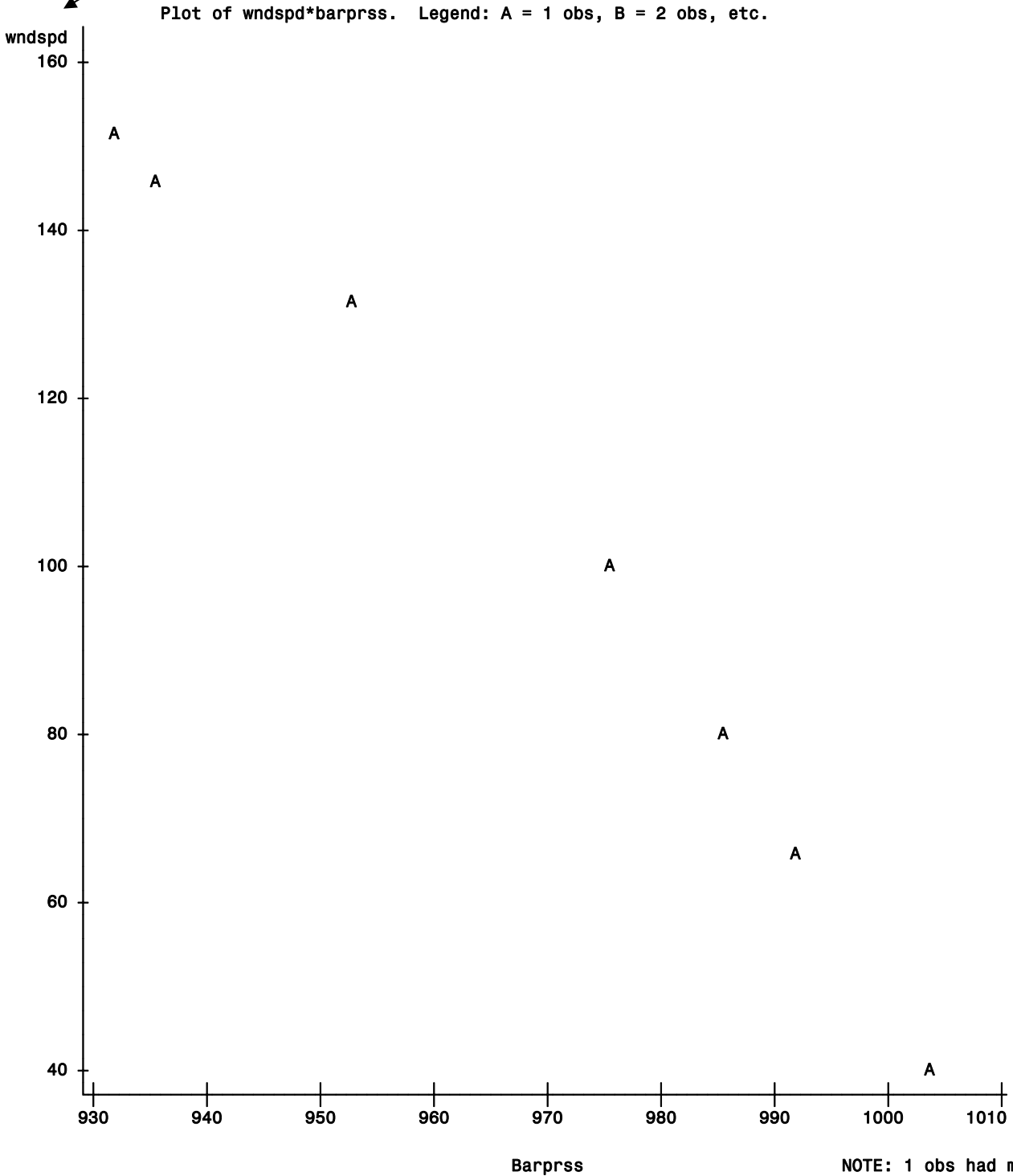


# cyclone.sas

```
data one;  
  input barprss wndspd;  
  cards;  
1004 41  
975 100  
992 65  
935 145  
985 80  
932 151  
953 132  
945 .  
;
```

```
proc plot;  
  plot wndspd*barprss;  
run;  
  
proc reg;  
  model wndspd=barprss / p clm cli alpha=0.05;  
run;
```



NOTE: 1 obs had missing values.

The REG Procedure  
 Model: MODEL1  
 Dependent Variable: wndspd

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	10473	10473	205.55	<.0001
Error	5	254.75830	50.95166		
Corrected Total	6	10728			

Root MSE	7.13804	R-Square	0.9763
Dependent Mean	102.00000	Adj R-Sq	0.9715
Coeff Var	6.99808		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	1528.89627	99.56129	15.36	<.0001
barprss	1	-1.47407	0.10281	-14.34	<.0001

Output Statistics

Obs	Dep Var	Predicted Value	Std Error Mean Predict	95% CL Mean	95% CL Predict	Residual
1	41.0000	48.9336	4.5802	37.1597 60.7075	27.1321 70.7352	-7.9336
2	100.0000	91.6815	2.7923	84.5038 98.8593	71.9787 111.3844	8.3185
3	65.0000	66.6224	3.6562	57.2239 76.0209	46.0065 87.2383	-1.6224
4	145.0000	150.6442	4.3348	139.5012 161.7872	129.1768 172.1116	-5.6442
5	80.0000	76.9409	3.2146	68.6774 85.2043	56.8171 97.0647	3.0591
6	151.0000	155.0664	4.5802	143.2925 166.8403	133.2648 176.8679	-4.0664
7	132.0000	124.1110	3.1076	116.1226 132.0994	104.0986 144.1234	7.8890
8	.	135.9035	3.5876	126.6813 145.1257	115.3674 156.4396	.

Sum of Residuals	0
Sum of Squared Residuals	254.75830
Predicted Residual SS (PRESS)	520.39814