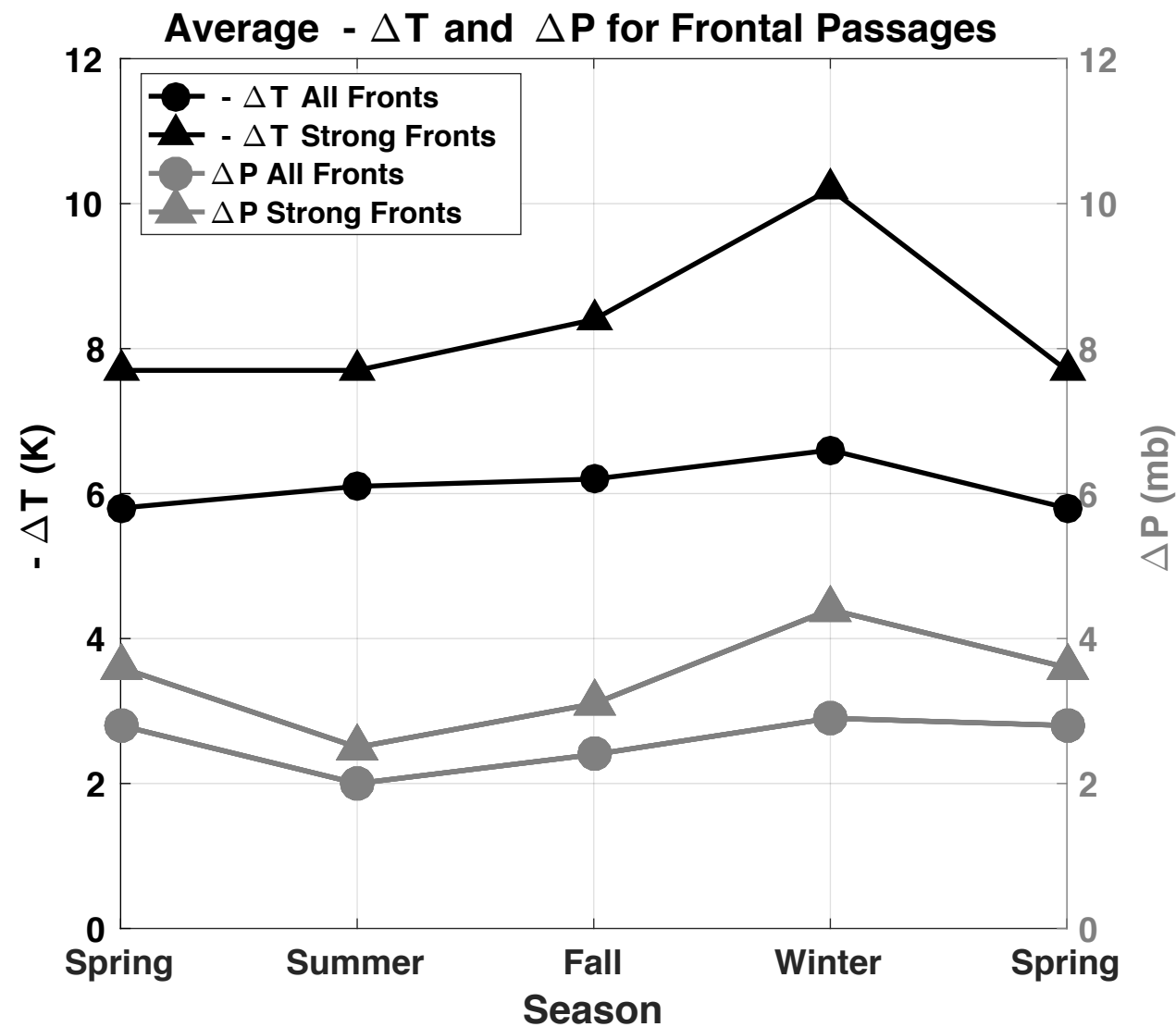


TABLE 1. Average  $\Delta T$  and  $\Delta P$  for all frontal passages (fp, FS3+ / FS5+) and for frontal passages resulting in cold pools (cp, FS3+/FS5+).

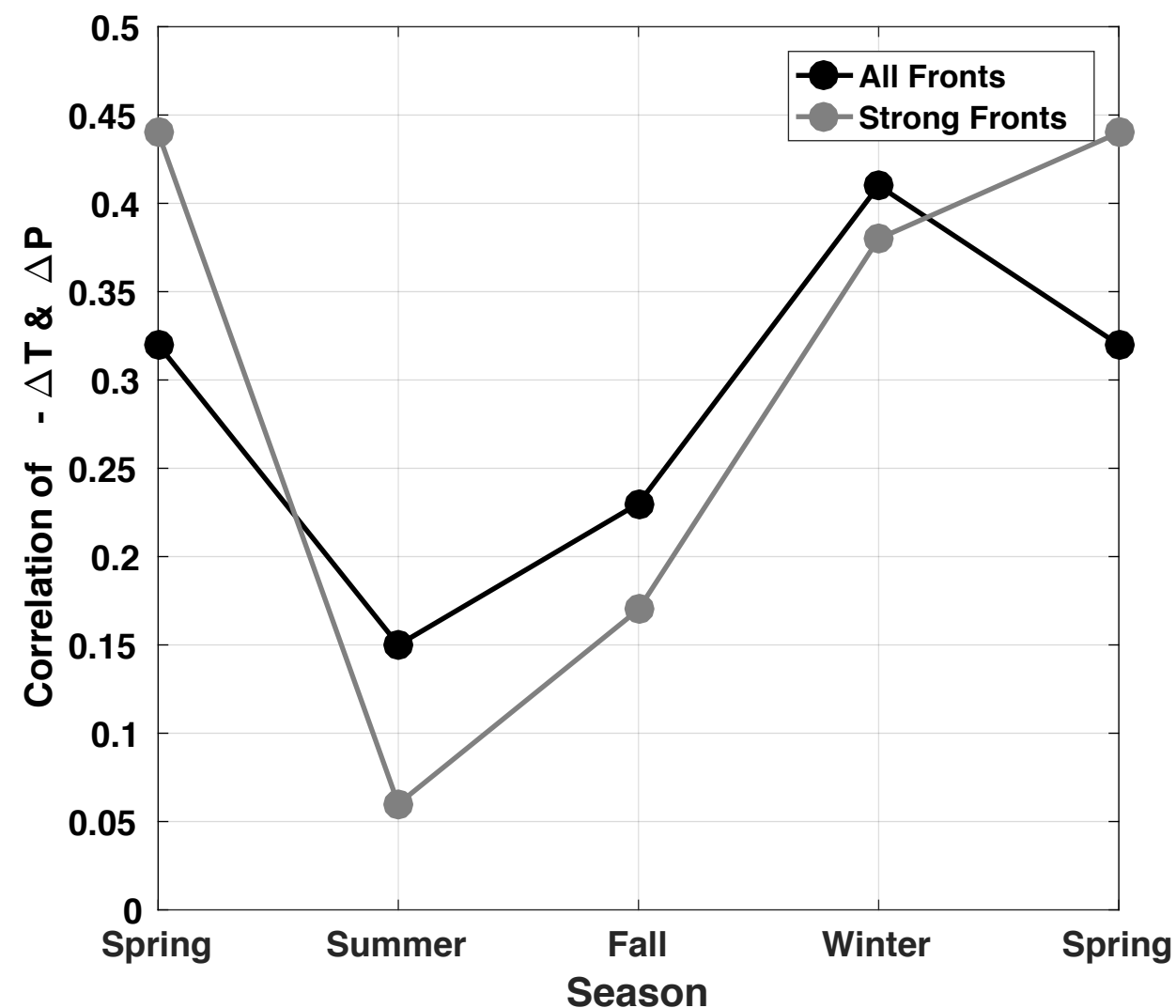
Season	$\Delta T$ (K) fp	$\Delta P$ (mb) fp	$\Delta T$ (K) cp	$\Delta P$ (mb) cp
Spring (MAM)	-5.8/-7.7	2.8/3.6	-5.8/-7.5	2.9/3.5
Summer (JJA)	-6.1/-7.7	2.0/2.5	-6.2/-7.7	2.0/2.5
Fall (SON)	-6.2/-8.4	2.4/3.1	-6.3/-8.3	2.6/3.1
Winter (DJF)	-6.6/-10.2	2.9/4.4	-7.1/-10.3	3.5/4.5
Annual	-6.1/-8.1	2.5/3.2	-6.2/-8.0	2.6/3.1



Seasonal average  $-\Delta T$  and  $\Delta P$  for frontal passages  
(FS = 3+ and FS = 5+).

TABLE 2. Correlations between  $\Delta T$  and  $\Delta P$  for all frontal passages (fp, FS3+ / FS5+) and for frontal passages which yield cold pools (cp, FS3+ / FS5+).

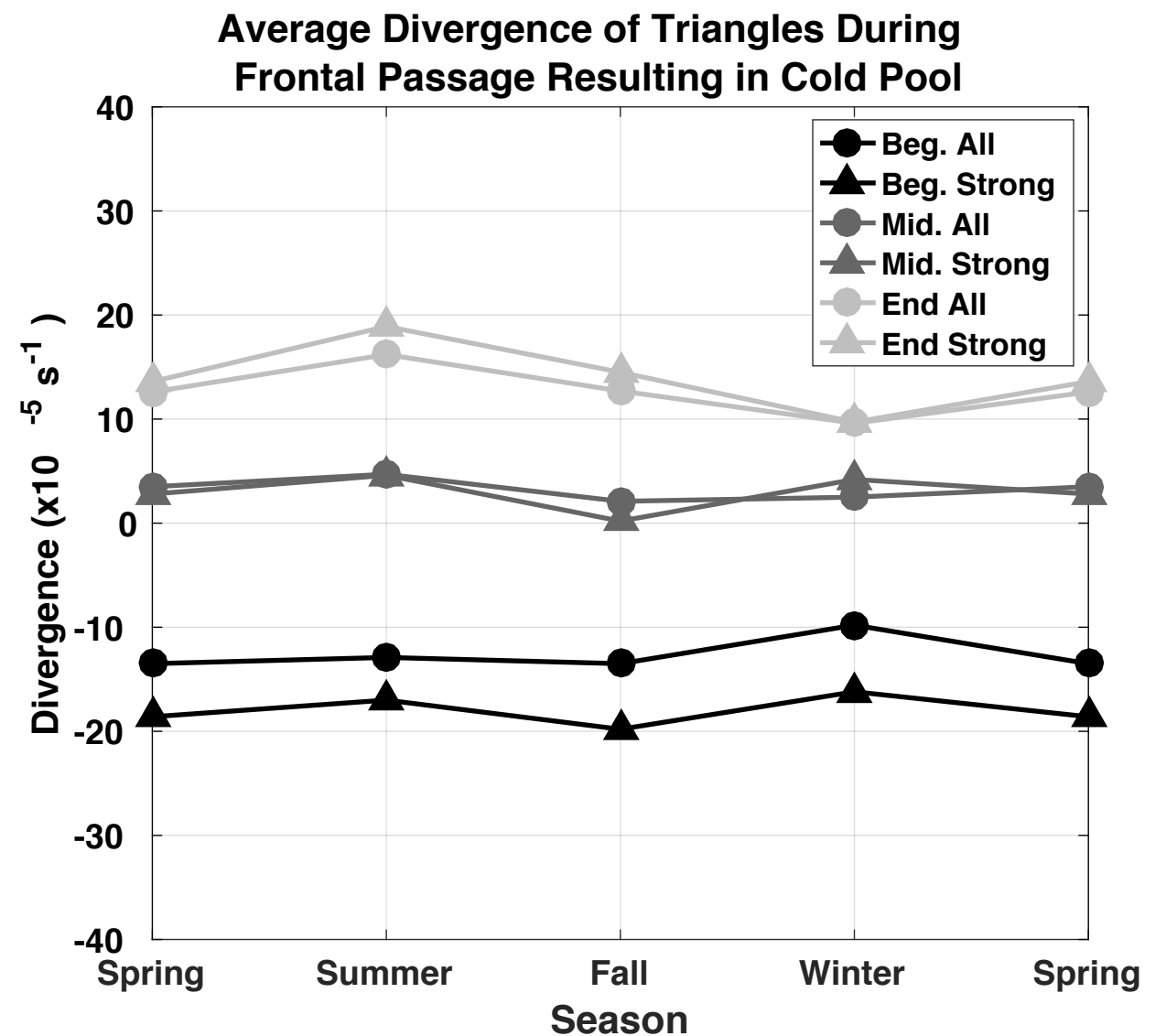
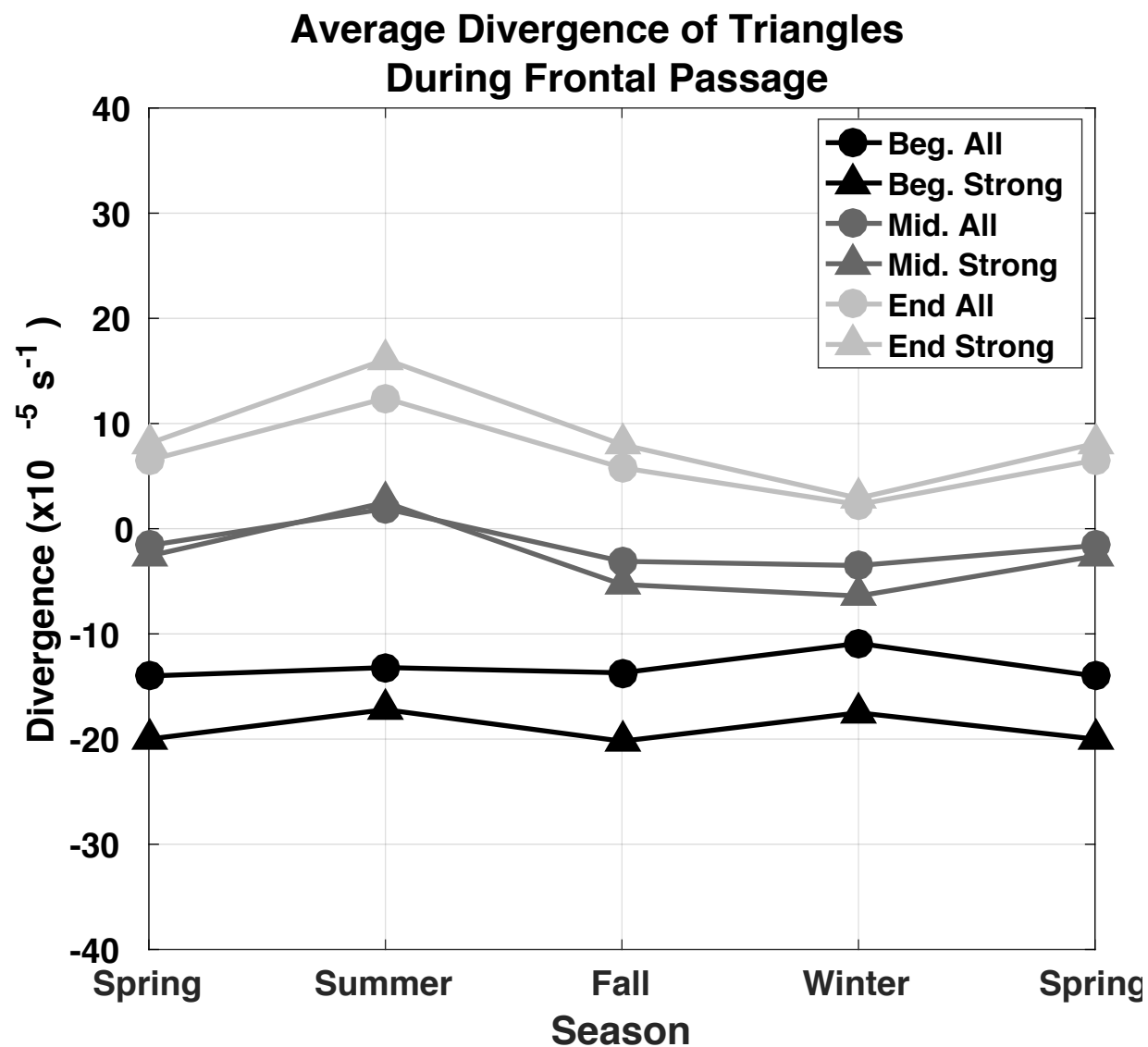
Season	$\Delta T, \Delta P$ fp	$\Delta T, \Delta P$ cp
Spring (MAM)	-0.32/-0.44	-0.32/-0.46
Summer (JJA)	-0.15/-0.06	-0.13/-0.04
Fall (SON)	-0.23/-0.17	-0.22/-0.18
Winter (DJF)	-0.41/-0.38	-0.44/-0.43
Annual	-0.28/-0.32	-0.27/-0.32



Seasonal average correlations between  $-\Delta T$  and  $\Delta P$  for frontal passages (FS = 3+ and FS = 5+).

TABLE 3. Divergence values at the beginning, middle, and end of all triangle frontal passages experienced by Mesonet triangles from 1997-2011 by season (FS3+ / FS5+) in  $10^{-5} \text{ s}^{-1}$ .

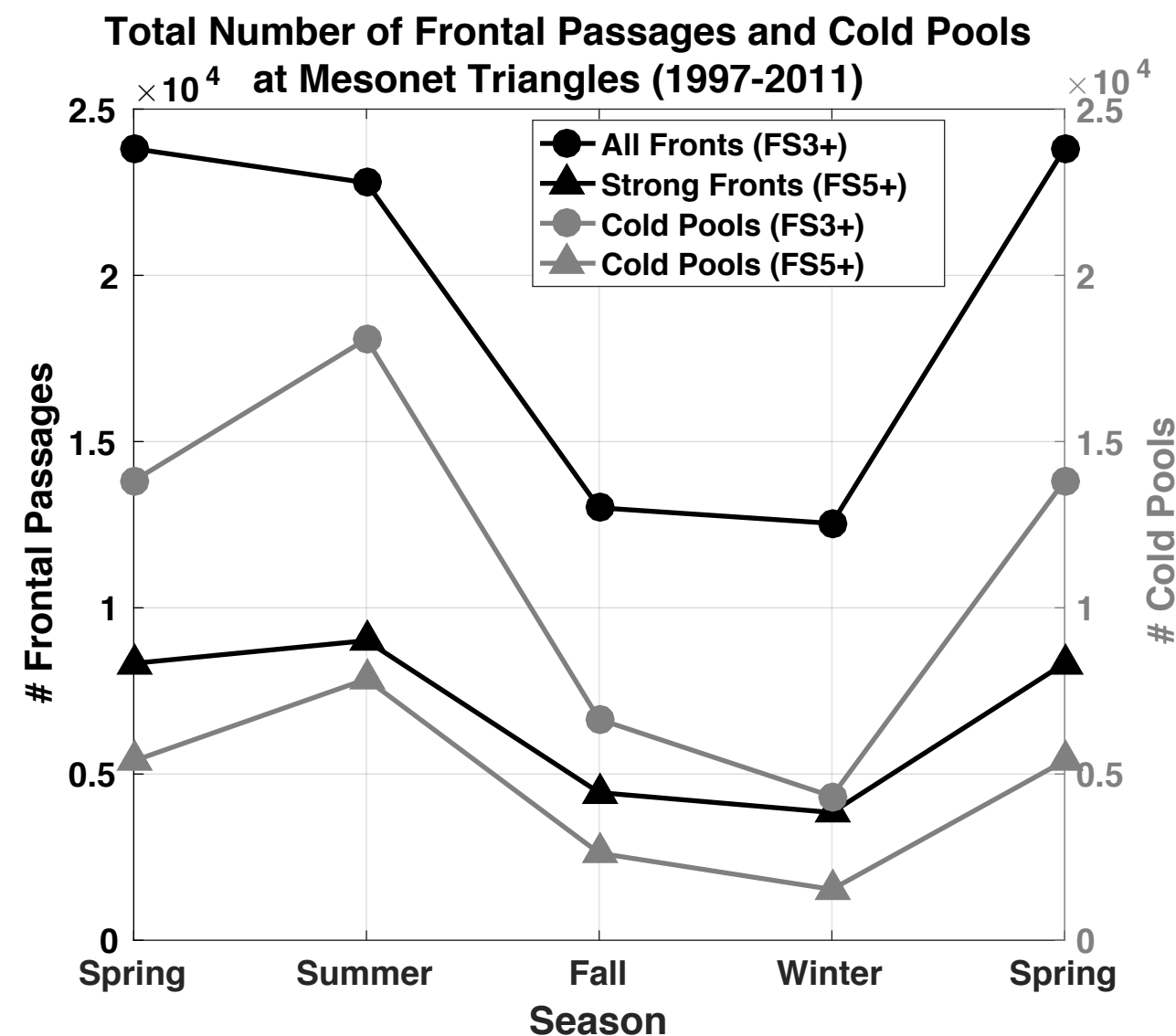
Season	Beg. Div.	Mid. Div.	End. Div.
Spring (MAM)	-14.0/-20.0	-1.6/-2.6	6.5/8.1
Summer (JJA)	-13.2/-17.2	1.9/2.5	12.4/16.1
Fall (SON)	-13.7/-20.2	-3.1/-5.3	5.8/8.0
Winter (DJF)	-10.9/-17.5	-3.5/-6.4	2.3/2.9
Annual	-13.2/-18.7	-1.1/-1.8	7.5/10.1



Seasonal average divergence values at beginning, middle, and end of frontal passages (FS = 3+, FS = 5+).

TABLE 5. Number of frontal passages and cold pools experienced by Mesonet triangles from 1997-2011 by season (FS3+ / FS5+).

Season	# Fronts	# Cold Pools	% Fronts w/ Cold Pools
Spring (MAM)	23,811/8,329	13,820/5,397	58%/65%
Summer (JJA)	22,785/9,014	18,083/7,855	79%/87%
Fall (SON)	13,009/4,442	6,645/2,620	51%/59%
Winter (DJF)	12,539/3,843	4,329/1,530	35%/40%
Annual	72,144/25,628	42,877/17,402	59%/68%



Seasonal number of total frontal passages (FS = 3+), strong frontal passages (FS = 5+), and cold pools associated with all or strong frontal passages.