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**RESEARCH ARTICLE****A Synoptic Study of Low Troposphere Wind at the Israeli Coast**Sigalit Berkovic^{1,2,*} and Pinhas Alpert²¹*Department of Mathematics, Israel Institute for Biological Research, Ness Ziona, Israel*²*Department of Geophysics, Tel Aviv University, Tel Aviv, Israel*

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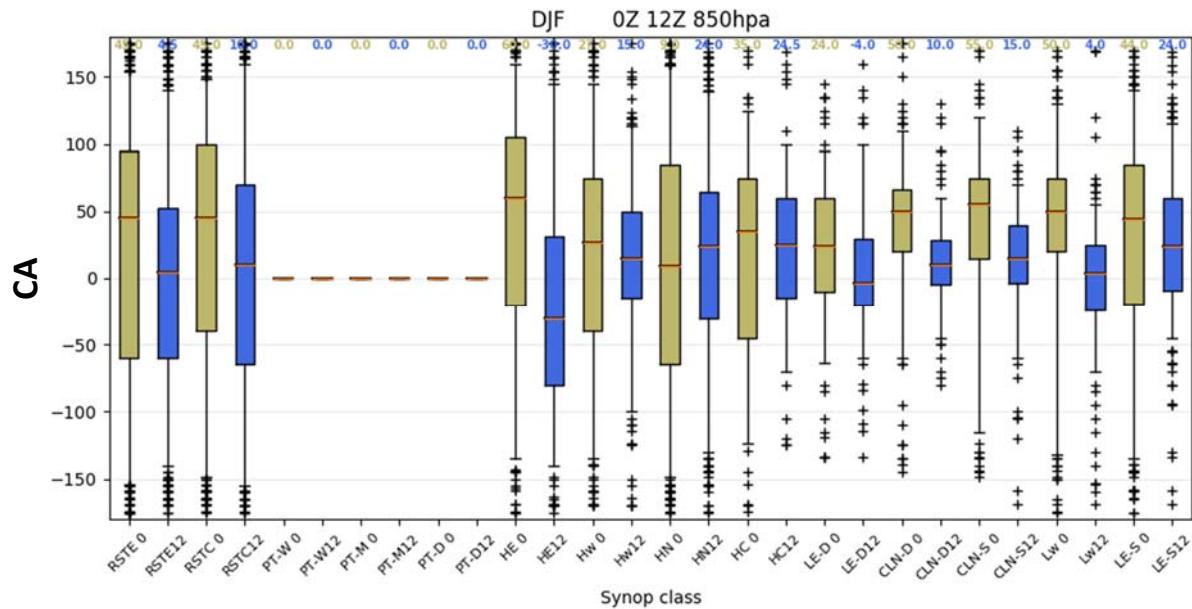
SUPPLEMENTARY FIGURE AND TABLE**Table S1.** The number of the events of each CA850 boxplot displayed in Fig. (1).

		RST		PT			Highs				Lows				
		E	C	W	M	D	E	W	N	C	LE-D	CLN-D	CLN-S	Lw	LE-S
DJF	0	590	481	-	-	-	252	294	456	112	159	208	171	240	353
	12	538	424	-	-	-	224	271	398	106	139	165	143	203	307
MAM	0	350	152	-	33	-	81	500	141	241	89	109	205	43	179
	12	337	126	-	34	-	66	440	134	224	70	83	179	39	156
SON	0	640	424	416	198	57	118	575	63	107	29	-	159	28	122
	12	673	416	541	275	61	120	675	65	109	30	-	185	31	120
JJA	0			1023	930	52		398							
	12			1405	1349	77		600							

Table S2. % of events with CA850 < 60° absolute value. Green when % of events ³ 75%. CA850 boxplot displayed in Fig. (1).

		RST		PT			Highs				Lows				
		E	C	W	M	D	E	W	N	C	LE-D	CLN-D	CLN-S	Lw	LE-S
DJF	0	32	33	-	-	-	28	43	38	37	68	56	36	39	42
	12	52	43	-	-	-	48	70	56	66	79	91	79	87	65
MAM	0	37	32	-	54	-	16	38	38	42	66	53	35	49	43
	12	33	32	-	76	-	26	62	42	52	85	89	83	77	76
SON	0	28	37	31	35	33	26	35	35	33	51	-	37	-	36
	12	30	28	41	67	85	28	49	54	56	77	-	68	90	69
JJA	0			23	25	48		29							
	12			50	64	85		61							

a



b

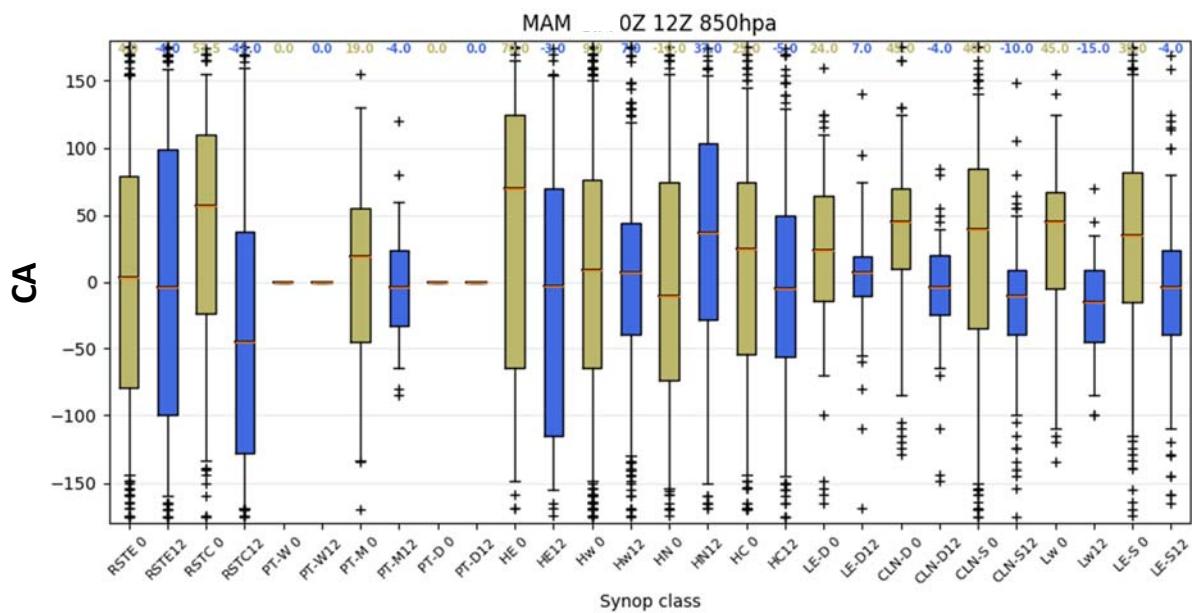


Fig. U3 cont.....

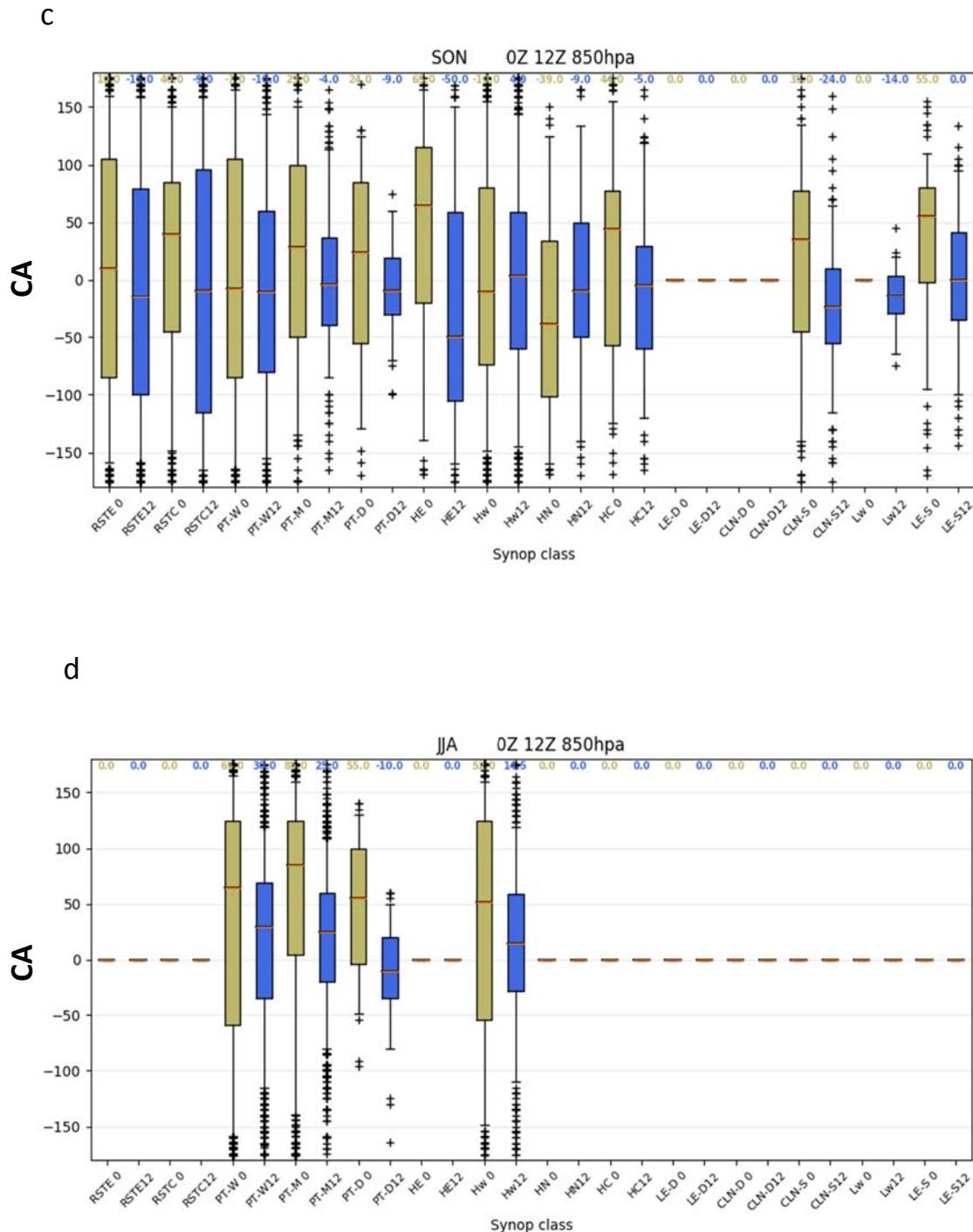


Fig. (S1). CA850 boxplots for the most frequent synoptic classes according to seasons and hours 0Z (pale green) or 12Z (light blue) a-DJF b-MAM c-SON d-JJA. Each box indicates the median and quartiles (25% 75%) of each histogram. The whiskers display the 5% and 95% values of each histogram, outliers are indicated by +. Boxplot is shown when more than 30 events were found.

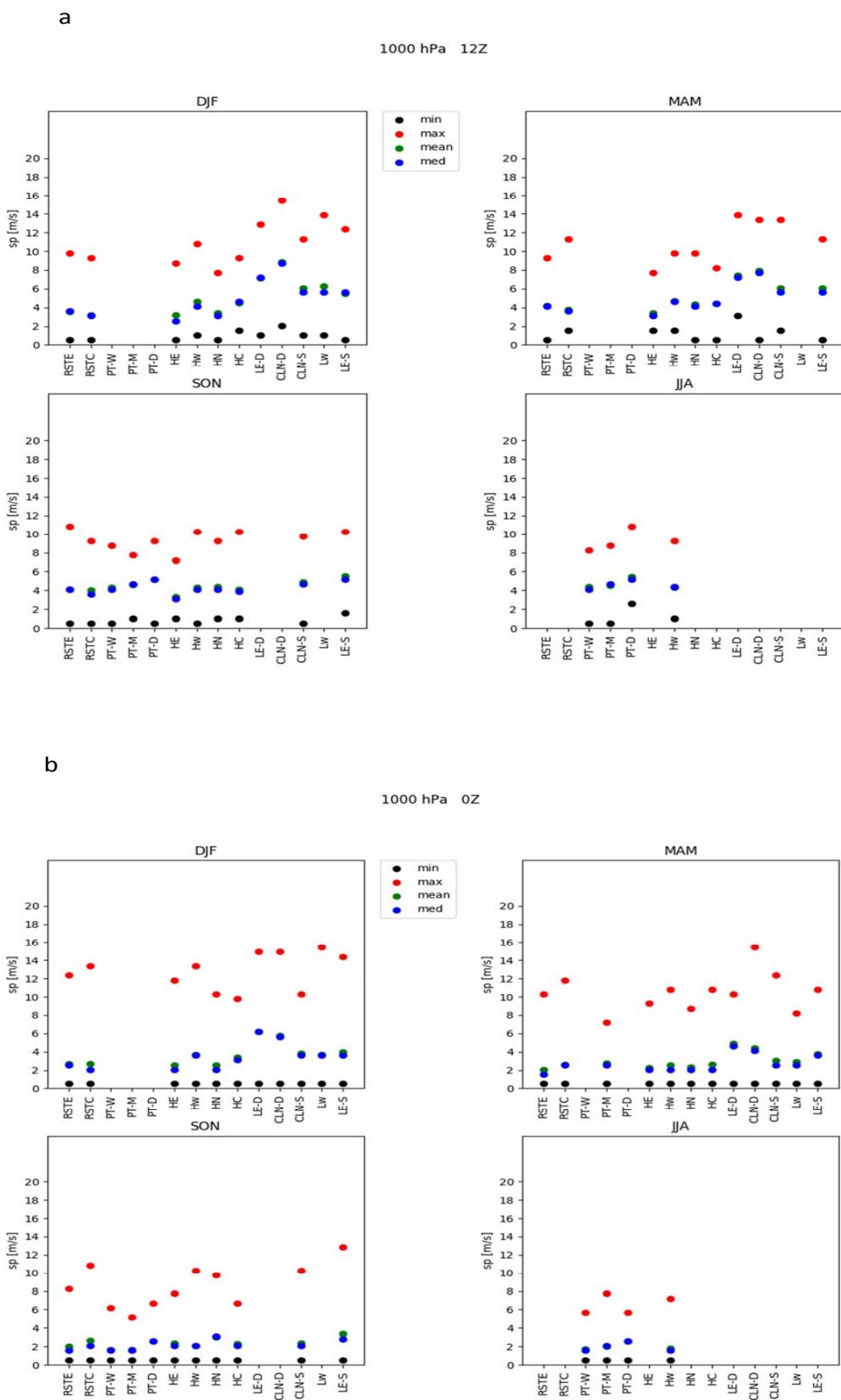
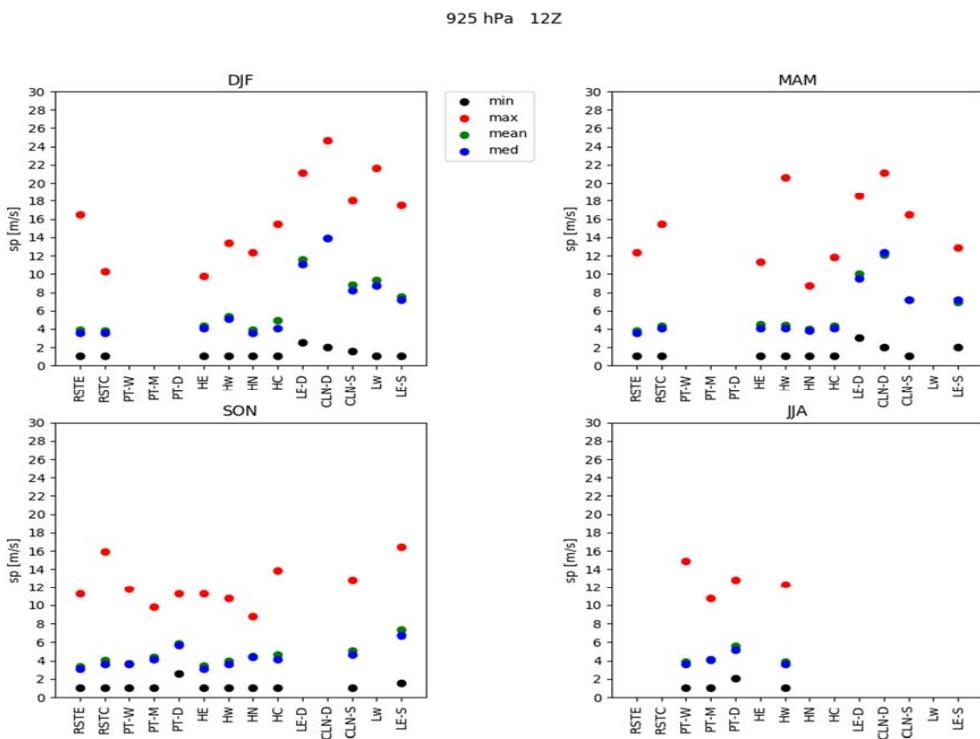


Fig. U4 cont.....

C



d

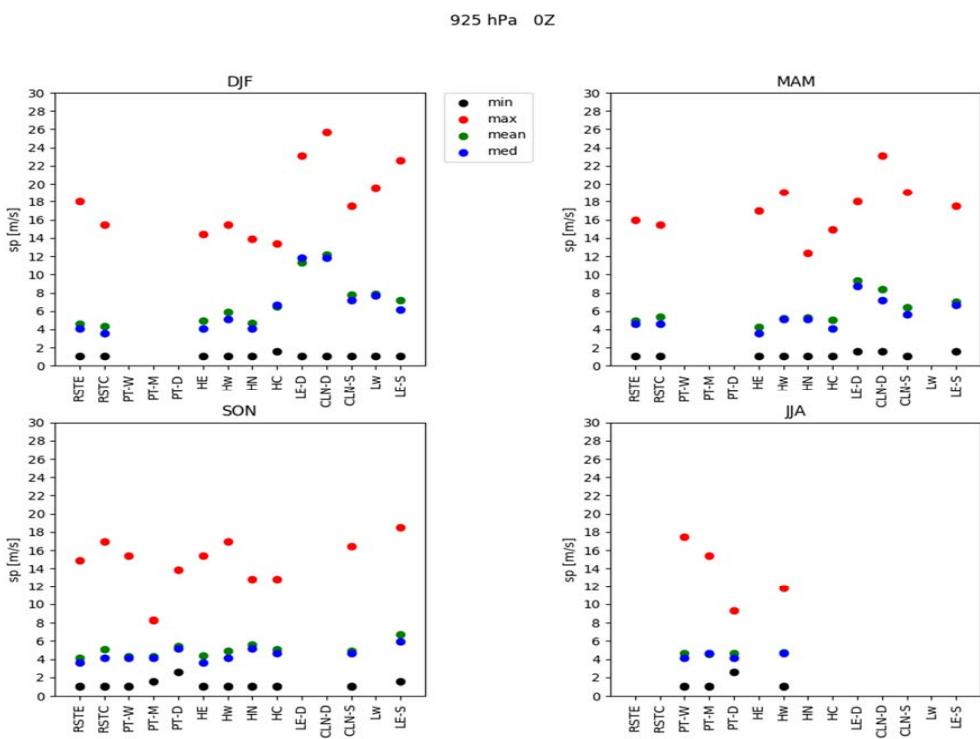


Fig. U4 cont.....

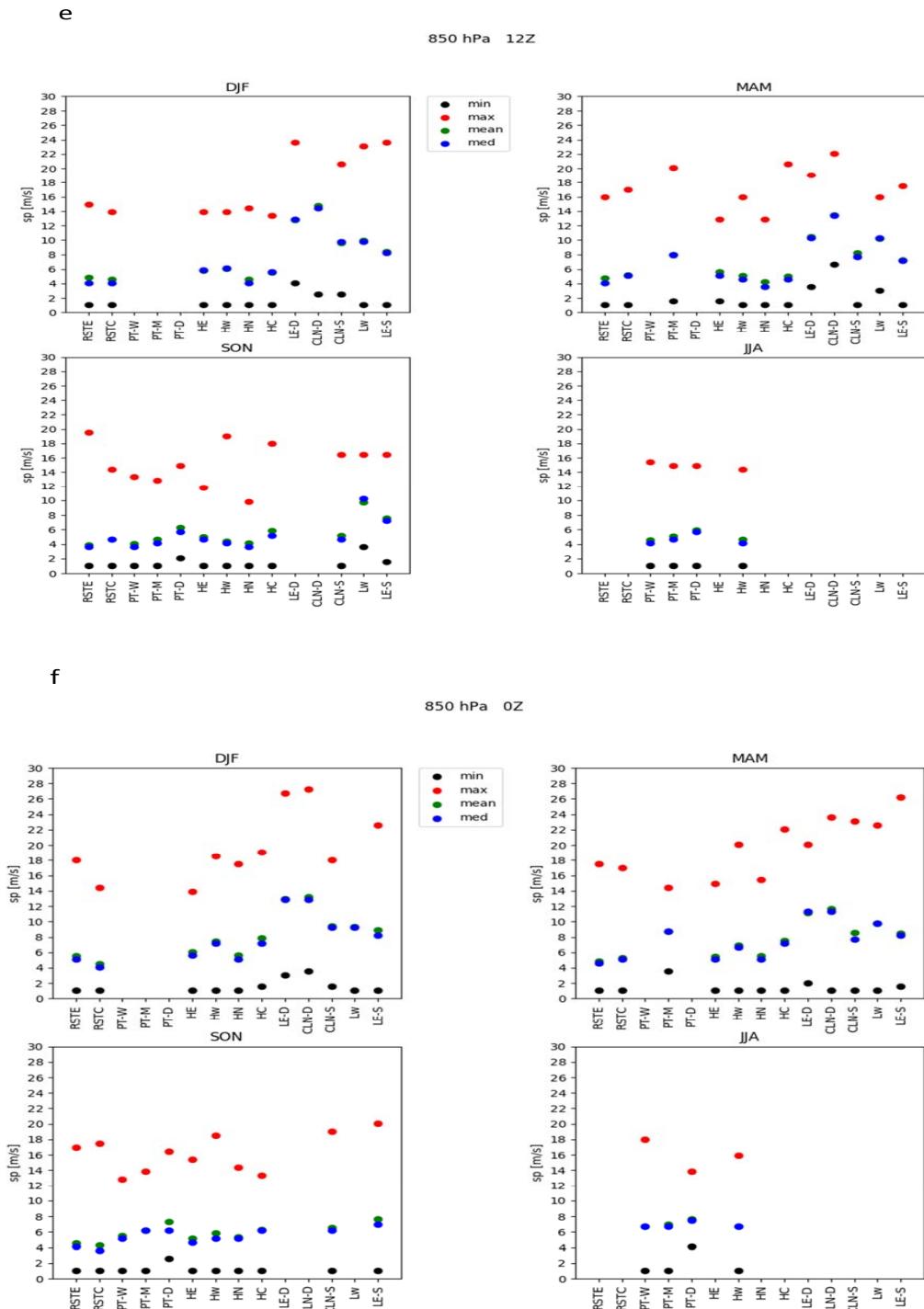


Fig. (S2). Minimum, maximum, mean and median wind speed under each of the 14 most frequent synoptic classes for the following times and levels:

a) 12Z, 1000 hPa b) 0Z, 1000 hPa c) 12Z, 925 hPa d) 0Z, 925 hPa e) 12Z, 850hPa f) 0Z, 850 hPa. These values were calculated when the number of the events was higher than 30.