

Table S11. Characteristics of individual station discrepancies.

#	DOME	Count calm C	Count storm S	Mean calm C	Mean storm S	STD calm C	STD storm S
1	ALUK	311	325	0.777	0.782	2.749	2.721
2	BALV	269	410	0.715	1.204	2.462	2.947
3	BAUS	166	329	1.718	5.06	4.781	10.059
4	DAGD	173	181	0.923	0.925	3.044	3.003
5	DAU1	331	493	0.533	2.541	1.889	6.94
6	DOB1	227	398	1.538	4.531	4.421	9.831
7	IRBE	268	484	0.483	21.858	1.264	63.345
8	JEK1	275	423	0.87	9.889	3.134	23.23
9	KREI	275	384	1.029	8.89	5.569	27.25
10	KUL1	89	95	0.236	0.235	0.454	0.443
11	LIMB	330	395	1.249	1.142	4.715	4.352
12	LIPJ	148	263	0.289	0.365	0.416	0.473
13	LODE	230	372	1.113	1.645	3.426	3.586
14	LUNI	151	234	2.02	12.76	10.194	33.928
15	LVRD	167	176	1.366	1.337	5.995	5.852
16	MADO	179	190	0.837	0.816	2.563	2.499
17	MAZS	318	538	0.639	1.155	2.975	3.496
18	OJAR	173	183	0.624	0.68	1.922	2.059
19	PLSM	185	200	0.733	0.7	2.544	2.449
20	PREI	220	231	0.853	0.835	2.643	2.586
21	REZ1	236	395	0.766	1.55	3.425	4.084
22	RIGA	212	383	1.636	19.608	6.336	51.389
23	SALP	317	405	0.508	5.979	2.307	19.905
24	SIGU	192	345	1.019	1.896	3.594	4.522
25	SLD1	128	135	0.208	0.207	0.25	0.248
26	TALS	123	241	0.415	0.32	0.908	0.669
27	TKMS	292	417	0.795	0.658	3.336	2.798
28	VAIV	136	230	0.868	11.723	3.343	30.156
29	VAL1	187	226	0.913	1.953	2.889	10.544
30	VANG	325	501	1.791	14.277	8.126	47.001