

Table S1. Weather conditions during flight days (data from the Fitterizzi weather station). Highlighted lines refer to the hours when the flights are performed.

Date	CET Time	Temperature (°C)	Humidity (%)	Wind (m/s)	Rs (W m ⁻²)	Rain previous days
22/10/2019	00:00	11.2	97	1.4	0	2.4 mm (6 days before)
	01:00	10.5	99	1.4	0	
	02:00	10.4	99	1.5	0	
	03:00	10.2	99	1.4	0	
	04:00	10.1	99	1.4	0	
	05:00	9.2	99	1.3	0	
	06:00	9.1	99	1.3	0	
	07:00	10.5	99	1.1	74	
	08:00	14.9	97	1	247	
	09:00	19.3	72	1.7	417	
	10:00	22.4	61	2.2	561	
	11:00	24.1	54	2.7	655	
	12:00	25	45	3.1	685	
	13:00	26.3	39	3.6	635	
	14:00	26.3	38	3.8	539	
	15:00	25.8	39	4	385	
	16:00	25	38	3.6	198	
	17:00	18.9	64	1.2	0	
	18:00	15.5	78	2.3	0	
	19:00	13.4	76	2.1	0	
	20:00	11.8	77	1.5	0	
	21:00	11.4	74	1.8	0	
	22:00	10.7	79	1.8	0	
	23:00	11.2	78	1.8	0	
15/02/2020	00:00	3.8	99	2.6	0	11.8 mm (1 day before)
	01:00	6.2	97	2.9	0	
	02:00	6	89	2.9	0	
	03:00	6.6	85	2.8	0	
	04:00	6.2	84	2.4	0	
	05:00	6.9	80	3	0	
	06:00	6.2	80	2.8	0	
	07:00	6.9	73	2.6	0	
	08:00	9.4	65	2.1	113	
	09:00	13	56	1.6	333	
	10:00	14.6	42	2.4	499	
	11:00	15	37	3.4	620	
	12:00	14.9	39	5.1	685	
	13:00	15.6	36	4.6	689	
	14:00	15.8	40	5.3	611	
	15:00	16	40	4.6	472	
	16:00	15.4	42	4.2	295	
	17:00	12.9	53	3.3	13	
	18:00	8.7	71	2.7	0	
	19:00	8.2	72	2.4	0	
	20:00	8.2	71	2.8	0	
	21:00	7.3	75	2.7	0	
	22:00	5.9	82	2	0	
	23:00	5.7	86	2.6	0	
16/07/2020	00:00	20.9	78	1.8	0	0.2 mm (9 days before)
	01:00	20.4	79	1.4	0	
	02:00	19.6	84	1.8	0	
	03:00	20.5	78	1.8	0	
	04:00	19.5	81	1.9	0	
	05:00	18.3	86	1.8	0	
	06:00	20.5	78	2.1	135	
	07:00	25	64	1.3	325	
	08:00	27	46	2	527	
	09:00	27.6	45	4.3	700	
	10:00	28	47	4.6	842	
	11:00	28.2	44	7.5	939	
	12:00	28.5	44	8.5	1001	
	13:00	28.2	42	9.1	987	
	14:00	28	43	10	915	
	15:00	27.3	48	11.2	797	
	16:00	26.8	48	12.2	634	
	17:00	26.2	47	10.5	433	
	18:00	25.3	54	10.1	218	
	19:00	24.3	55	9.6	0	
	20:00	23.7	58	9.4	0	
	21:00	22.7	63	3.2	0	
	22:00	21.1	67	1.9	0	
	23:00	19.5	73	1.6	0	