



Monthly weather report: December 2021

Prototype report for 31 days from 02 December (station installed late 01 December); estimated values in italics

Monthly statistics	Hourly values				Daily values				Month	
	Max	Day/time	Min	Day/time	Max	Day	Min	Day	Average	Total
Barometric pressure (mb)	1040.0	17 @ 11:00	972.1	08 @ 02:00	1039.1	17	981.1	8	1007	
Precipitation (mm)	5.8	01 @ 17:00			26.6	01				152.6
Air temperature (C)	9.7	01 @ 07:30	-4.5	21 @ 19:30	8.0	01	-3.1	21	2.3	
Soil temperature (10 cm depth, C)	6.0	01 @ 10:00	0.9	27 @ 07:00	5.6	1	1.0	27	2.6	
Wind speed (mph)	45.4	07 @ 15:15			22.0	25			10.2	
Relative humidity (%)			56.4	18 @ 15:15			76.7	18	94.5	
Evapotranspiration (ET(os), mm)					1.9	25				17.9
Sunshine hours					5.0	01			2.0	61.8

25 rain days

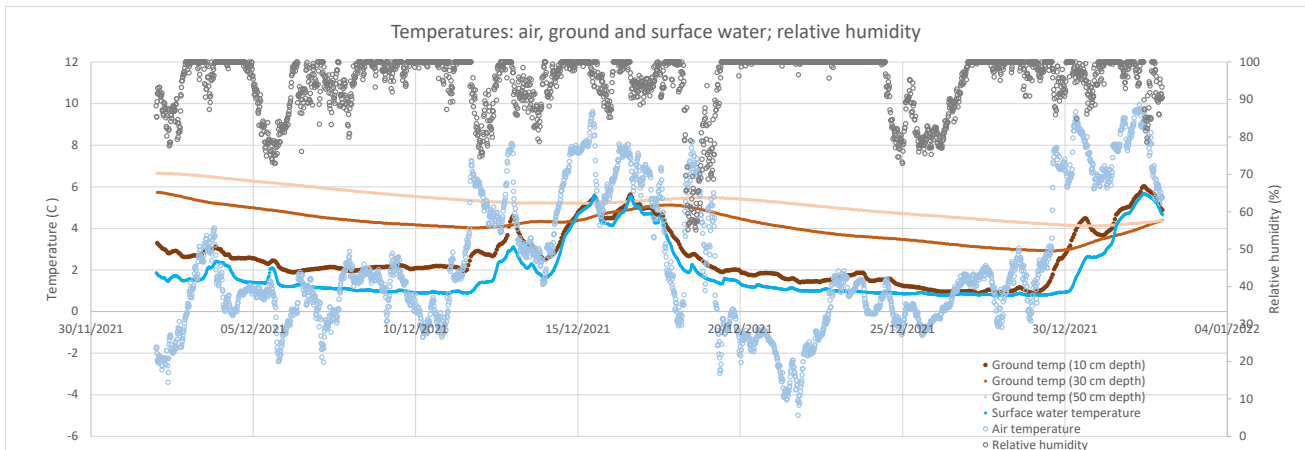
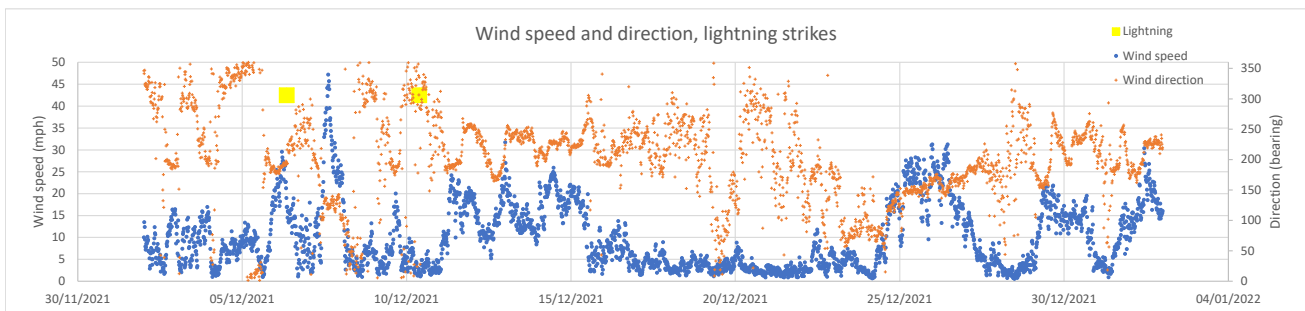
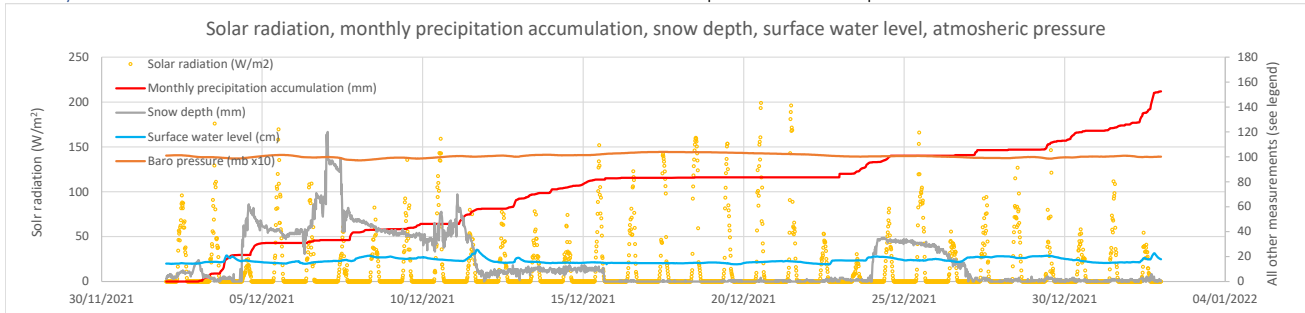
18 air frosts

18 days with snow lying

Longest consecutive run of dry days: 3

"Rain days" include those on which snow melted

Maximum instantaneous wind speed: 54.6 mph on 07-Dec



Notes

The first month of data from the newly installed Corrour AWS, during which time some fine-tuning has been undertaken with the program running on the data logger.

The month has the look of a fairly typical one for this location and time of year. Frosts were common, and snow was lying on more than half the days of the month, though never more than about 10 cm in depth at the measuring location. There were also some unseasonably warm conditions mid-month, reaching 9 C on the 15th and again on Jan 1st. Normal volatility in the air temperatures was mirrored well at 10 cm depth in the peat, but by 50 cm depth atmospheric influence is barely detectable. Winds appear to affect the site from all directions, reflecting a fairly open situation. The highest instantaneous wind speed was 54.6 mph on the 7th in a south-easterly flow.

Feedback is welcome: a.z.black@dundee.ac.uk

All data subject to continuous quality assurance.
v1.3