

Forsmark site investigation

Measurements of ground respiration, primary production and NEE in terrestrial habitats

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Abstract

The objective of the investigation was to estimate biological production and respiration within the soil and ground layer of seven different vegetation types in the Forsmark area. The seven types were two types of spruce forests, a pasture, a deciduous forest, a 15–20 years old clear-cut, a mire and a forested wetland. The field measurements were done with a closed chamber attached to an environmental gas monitor for carbon dioxide. Soil temperature at 10 cm depth, soil moisture, air temperature, air concentration of carbon dioxide and photosynthetic active radiation (PAR) were also measured.

Production measurements were performed in daylight, and respiration measurements were achieved by placing a black bucket over the transparent chamber in order to prevent radiation to reach the vegetation. The measurements started in spring 2005 at four of the locations and in late October 2005 at the remaining three locations. The obtained data will be used in an ecosystem model of the Forsmark area, which is part of the site description.

Sammanfattning

Syftet med undersökningen var att mäta produktion och respiration i mark och markskikt i sju olika vegetationstyper i Forsmarksområdet. De sju vegetationstyperna utgjordes av två olika granskogar, en gräsmark, en lövskog, ett 15–20 år gammalt hygge med tallskog, en våtmark och en sumpskog.

Mätningarna gjordes i en sluten kammare förbunden med en infraröd koldioxidmätare. Förutom halten koldioxid mättes också lufttemperatur, marktemperatur, markfuktighet och solinstålning i form av PAR (strålning inom spektret 400–700 nm, utnyttjas vid fotosyntesen).

Mätning av produktion genomfördes i dagsljus och mätning av respiration i mörker. Mörker åstadkoms genom att en svart hink placerades över den genomskinliga mätkammaren. Mätningarna påbörjades våren 2005 vid fyra av lokalerna och sent i oktober för resterande tre lokaler. Resultatet från mätningarna kommer att användas i en ekosystemmodell för Forsmarksområdet, vilket är en del av platsbeskrivningen för Forsmark.

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1 Introduction

This document reports the data gained in “Ground respiration measurements”, which is one of the activities performed within the site investigation at Forsmark. The work was carried out in accordance with activity plan AP PF 400-05-041. In Table 1-1 controlling documents for performing this activity are listed. Both activity plan and method descriptions are normally SKB’s internal controlling documents. In this case though, the description of the method that was used is found in an externally available report.

Measurements of ground respiration, net ecosystem exchange of carbon dioxide (NEE) and gross primary production (GPP) have been carried out within seven different vegetation types (plant functional type, pft) during approximately one year. At each measurement point the ground moisture was measured also, as there might be a relationship between soil moisture and ground respiration. The different vegetation types where measurements were carried out are presented in Table 1-2 and the locations of the measurement areas are shown in the map in Figure 1-1.

The original results are stored in the primary data base, SICADA, and are traceable by the activity plan number, AP PF 400-05-041.

Table 1-1. Controlling documents for performance of the activity.

Activity plan	Number	Version
Markrespirationsmätningar.	AP PF 400-05-041	1.0
Method descriptions	Number	Version
/Tagesson 2004/. Aspects of the carbon cycle in terrestrial ecosystems of Northeastern Småland. Geobiosphere Science Center, Physical Geography and Ecosystems Analysis, Lund University.	n/a	n/a

Table 1-2. ID-codes and vegetation types.

ID-code	Plant functional type (Pft)	Coordinate (northwestern corner of area)
AFM001257	Pasture	6697807; 1628728
AFM001258	Norway spruce forest	6698141; 1633550
AFM001259	Norway spruce forest	6698742; 1633382
AFM001260	Deciduous forest	6697150; 1635548
AFM001261	Clear-cut (15–20 years old)	6699194; 1631495
AFM001262	Mire	6698843; 1630033
AFM001263	Forested wetland	6698045; 1633480

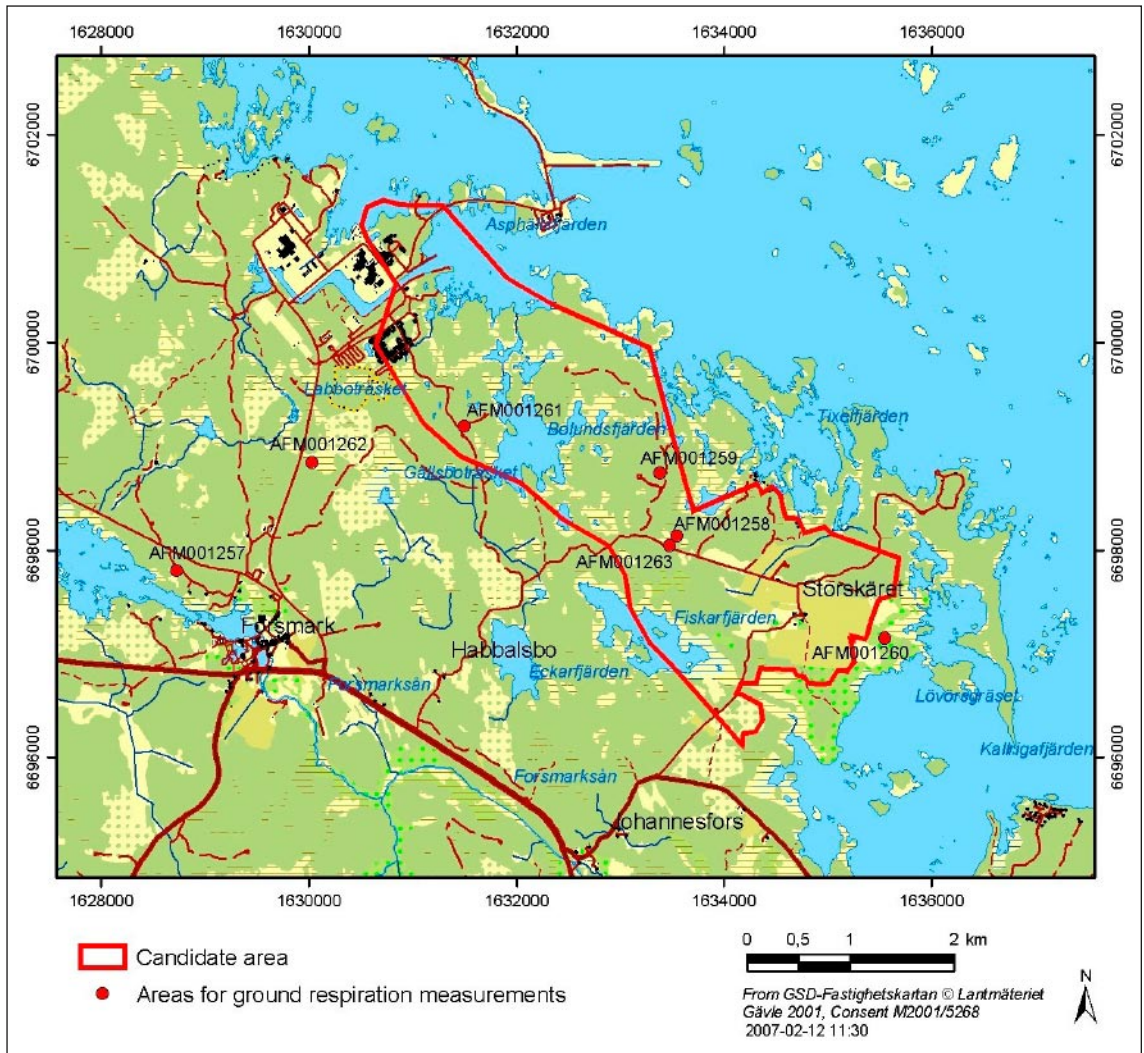


Figure 1-1. Locations where the measurements of ground respiration, net ecosystem exchange and gross primary production have been carried out.

2 Objective and scope

This activity was conducted in order to obtain data about ground respiration, net ecosystem exchange of carbon dioxide and gross primary production within seven different vegetation types in the Forsmark area. The data will be used in ecological model calculations. At four of the locations the measurements started during spring 2005 and at the remaining three during the winter of 2005/2006. The measurements were completed in late October 2006, covering all four seasons at all locations.

3 Equipment

3.1 Equipment for ground respiration measurement

To measure the ground respiration and net ecosystem exchange of carbon dioxide an infrared environmental gas monitor, EGM-4, from PP-Systems was used. The measurement equipment consists of a transparent cylindrical assimilation chamber, CPY-2, with a defined volume and cross-section area, a ground temperature measurement probe and an infrared gas analyser.

The CPY-2 chamber is provided with a light sensor measuring photosynthetic active light as PAR ($\mu\text{mol m}^{-2} \text{sec}^{-1}$). The instrument also measures air temperature within the chamber. Air from the chamber is transported to the EGM-4 via rubber tubes, and the EGM-4 uses infrared light to analyse CO_2 concentration (gases such as CO_2 absorb photons in the infrared range). The EGM-4 also registers atmospheric pressure and atmospheric carbon dioxide concentration. The measurement equipment is shown in Figure 3-1.

To be able to perform measurements at wet locations (e.g. the forested wetland and the mire) an extension tube was used on the assimilation chamber to prevent water from entering the gas analyser.

Data are stored in the EGM-4 and easily transferred to a computer. The Operator's manual for EGM-4, version 4.13, 2003, was used.



Figure 3-1. Infrared Environmental Gas Monitor, EGM-4, with assimilation chamber and ground temperature probe.

3.2 Equipment for soil moisture measurement

To measure the soil moisture a moisture meter, HH2 with a ML2x probe, from Delta-T Devices was used, see Figure 3-2. At each measurement point for ground respiration measurements, the soil moisture was measured in three different points and the mean value was calculated and used. The moisture meter was set to organic soil.



Figure 3-2. Moisture meter HH2 with ML2x probe used for ground respiration measurements.

4 Execution

4.1 General

The investigation comprised measurements of ground respiration, production and net ecosystem exchange of carbon dioxide at seven different ecosystems in the Forsmark site investigation area. The measurements were carried out between May 2005 and October 2006.

The measurement areas were roughly 30×30 m. In each area, there were nine fixed points where measurements were conducted. The points were randomly placed within the measurement area, except at the forested wetland, using the randomize function in Microsoft Excel for the coordinates. The points were then placed in the field by using a GPS-receiver and marked with a wooden stick. Each measurement point was given a unique ID corresponding to the area in question. At the forested wetland ten fixed points were placed within the measurement area, of which five were placed in dry areas and the other five in wet areas. The measurement points in dry areas were in this case given numbers 60–64 and those in wet areas 65–69.

At each point two measurements were made, one in daylight and one in darkness to measure production and respiration respectively. To achieve darkness, a black plastic bucket was placed over the assimilation chamber so that no photoactive light reached the vegetation in the chamber.

In addition to the parameters registered by the EGM-4 instrument, the ground moisture was measured at each point. This was made using a moisture meter. At each point the ground moisture was measured in three different spots and then a mean value was calculated and used.

After each field session, data from the instrument were transferred from the instrument to a computer, and then transferred to SKB's database SICADA. The ground moisture data were manually transferred from the field protocol to a database template. Data are traceable in SICADA by the activity plan number, AP PF 400-05-041.

4.2 Notes about the instruments

Some specific notes about the instruments are worth mentioning. The EGM-4 internal battery was charged before each measuring period. During winter and cold weather the battery needed charging after measuring one, or maximum two areas.

Normally the maximum measurement time was set to two minutes, or to finish when the concentration of CO₂ had changed with more than 400 ppm. During winter and at wet locations, e.g. water covering the ground, the maximum measurement time was set to four minutes.

The EGM-4 was set up to record only the last measured value. In some cases though, the instrument was set up to record all values, e.g. during some winter measurements and when measuring on water covered ground. In those cases, normally the end value was used.

The EGM-4 is sensible to moist and hence, it was never placed directly on the ground, and measurements were avoided in rainy or moist weather.

The CPY-2 chamber is also sensible to moist, and when the chamber got wet inside, the instrument did not record data in a correct way. In those cases, the chamber needed to be carefully dried with a towel or paper before measuring again. For measurements at moist and wet locations an extension tube was used on the chamber. On those occasions the reference volume of the chamber needed to be recalculated and entered into the EGM-4 before conducting the measurement to achieve correct results.

The HH2 moisture meter has different soil-type settings, e.g. one for organic soil and one for mineral soil. By mistake, the first measurements were made using the mineral soil-type setting. This was discovered after a while and the setting was changed. Previously measurements could be corrected using the conversion formula:

$$\text{Ground moisture}_{\text{organic}} = 0.039 + 1.091 \cdot \text{ground moisture}_{\text{mineral}}$$

4.3 Execution of field work

In the field, the instruments were connected and prepared according to the manual. After identifying the plot to be measured, the chamber was placed on the ground. The first measurement at each measurement point was done in daylight, and the second (at the same point) was made in dark conditions. To achieve darkness, a black plastic bucket was placed over the chamber so that no photoactive light would reach the vegetation inside the chamber.

Each measurement took approximately 2 minutes, which means roughly 4 minutes at each point. There were some handling time between the measurements, e.g. between measuring in light and dark, and before starting at a new point the chamber was held in the air, the fans inside flushed the chamber and it self-calibrated. In total, measuring at one area took roughly 60–90 minutes. Measurements of ground moisture were normally made during the production measurements at each point.

4.4 Data handling

The data were recorded in the EGM-4 in the field. The instrument is able to store 1,000 values. Normally the data were transferred to a computer after measuring 2–3 areas. The transferred data were controlled using the transferring software before converted to MS Excel format. The raw data files were stored and are traceable by the activity plan number, AP PF 400-05-041.

The data were converted to MS Excel data and then controls were made to ensure that all data had been converted and transferred, before the data in the instrument were deleted. After each field session, the data were copied into the SICADA template.

Ground moisture data were manually transferred from the field protocol to the SICADA template, where the mean values were calculated.

4.5 Nonconformities

The earlier mentioned sensitivity for moist (both EGM-4 and CPY-2) might have affected the results. The message “non-linear fit” now and then was displayed under moist conditions, but after drying the chamber, we did not meet any difficulties with the measuring procedure.

The measurements of respiration and production on wet locations were not introduced until October 2005 due to technical development of the equipment, e.g. the construction of the extension tube that was used to prevent water from entering the instrument.

At the first measurements of soil moisture, the choice of device setting for soil type was mineral soil by mistake. When this was discovered, the setting was changed and the previously recorded results were recalculated. A conversion formula was developed by Torbern Tagesson at the university of Lund. The conversion formula used was:

$$\text{Ground moisture}_{\text{organic}} = 0.039 + 1.091 \cdot \text{ground moisture}_{\text{mineral}}$$

Due to ground frost or ice, ground moisture measurements were not possible to carry out at a couple of occasions. The same is valid for those occasions when the ground was covered with water at the measurement point.

5 Results

The results from this activity are presented in Appendix 1–2. No diagrams or other interpretations are presented in this report.

Original data from the reported activity are stored in the primary database SICADA. The data are traceable in SICADA by the activity plan number (AP PF 400-05-041). Only data in the databases are accepted for further interpretation and modelling. Data presented in this report are regarded as copies of the original data. Data in the databases may be revised, if needed. However, such revision of the database will not necessarily result in a revision of this report.

6 References

Tagesson T, 2004. Aspects of the carbon cycle in terrestrial ecosystems of Northeastern Småland. Geobiosphere Science Center, Physical Geography and Ecosystems Analysis, Lund University.

Results from ground respiration measurements

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_2 (mbar)	GPP ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	Snow depth (cm)	Comments
AFM001258	22	Spruce	98	15.10	15.10	5.00	10.66	2005/05/02 12:37:00	419.00	-0.53	1017	2005/05/02 12:40:00	437.00	0.02	1017	-0.55		
AFM001258	23	Spruce	82	14.90	14.90	4.80	18.62	2005/05/02 12:44:00	427.00	-0.19	1017	2005/05/02 12:47:00	410.00	0.26	1017	-0.45		
AFM001258	24	Spruce	158	14.60	14.60	4.90	13.60	2005/05/02 12:51:00	388.00	-0.10	1017	2005/05/02 12:56:00	425.00	0.05	1017	-0.15		
AFM001258	25	Spruce	55	14.20	14.20	5.50	15.13	2005/05/02 15:00:00	421.00	0.15	1016	2005/05/02 15:03:00	505.00	-0.04	1016	0.19		
AFM001258	26	Spruce	78	13.80	13.80	5.70	16.73	2005/05/02 15:07:00	413.00	-0.06	1016	2005/05/02 15:11:00	431.00	0.34	1016	-0.40		
AFM001258	28	Spruce	48	13.10	13.10	5.20	11.86	2005/05/02 15:22:00	393.00	-0.06	1016	2005/05/02 15:25:00	462.00	0.02	1016	-0.08		
AFM001259	30	Spruce	43	13.90	13.90	5.10	4.40	2005/05/02 15:49:00	410.00	0.57	1016	2005/05/02 15:52:00	406.00	-0.22	1016	0.79		
AFM001259	31	Spruce	50	13.50	13.50	4.70	9.20	2005/05/02 15:56:00	449.00	0.10	1016	2005/05/02 15:59:00	435.00	0.64	1015	-0.54		
AFM001259	32	Spruce	47	13.50	13.50	5.70	8.51	2005/05/02 16:03:00	392.00	0.10	1016	2005/05/02 16:07:00	448.00	-0.53	1016	0.63		
AFM001259	33	Spruce	32	13.40	13.40	5.20	9.71	2005/05/02 16:11:00	399.00	0.00	1016	2005/05/02 16:14:00	403.00	0.12	1016	-0.12		
AFM001259	34	Spruce	21	13.30	13.30	5.70	3.57	2005/05/02 16:17:00	418.00	-0.03	1015	2005/05/02 16:20:00	439.00	0.52	1015	-0.55		
AFM001259	35	Spruce	67	13.50	13.50	13.60	9.24	2005/05/02 16:25:00	395.00	-0.82	1015	2005/05/02 16:29:00	420.00	0.02	1015	-0.84		
AFM001259	36	Spruce	23	13.30	13.30	5.40	2.26	2005/05/02 16:33:00	391.00	-0.05	1015	2005/05/02 16:37:00	395.00	-0.01	1015	-0.04		
AFM001259	37	Spruce	21	12.80	12.80	5.30	5.49	2005/05/02 16:41:00	413.00	-0.63	1015	2005/05/02 16:46:00	410.00	0.01	1015	-0.64		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE (g CO ₂ / m ² ·h ⁻¹)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration (g CO ₂ / m ² ·h ⁻¹)	ATMP_2 (mbar)	GPP (g CO ₂ / m ² ·h ⁻¹)	Snow depth (cm)	Comments
AFM001257	10	Pasture	1596	26.70	26.70	11.00	36.30	2005/06/13 10:14:00	441.00	1.21	1008	2005/06/13 10:17:00	456.00	7.12	1008	-5.91		
AFM001257	11	Pasture	575	27.50	27.50	10.60	24.70	2005/06/13 10:21:00	436.00	1.68	1008	2005/06/13 10:23:00	422.00	2.72	1008	-1.04		
AFM001257	12	Pasture	301	23.40	23.40	10.10	24.30	2005/06/13 10:26:00	456.00	1.09	1008	2005/06/13 10:28:00	448.00	3.33	1008	-2.24		
AFM001257	13	Pasture	345	20.70	20.70	10.40	23.93	2005/06/13 10:32:00	437.00	3.16	1008	2005/06/13 10:34:00	444.00	2.37	1008	0.79		
AFM001257	14	Pasture	1039	21.60	21.60	11.60	27.24	2005/06/13 10:40:00	455.00	0.71	1008	2005/06/13 10:42:00	412.00	1.56	1008	-0.85		
AFM001257	18	Pasture	340	28.30	28.30	11.60	25.31	2005/06/13 10:47:00	447.00	1.32	1008	2005/06/13 10:48:00	448.00	1.53	1008	-0.21		
AFM001257	17	Pasture	192	11.00	11.00	10.80	35.90	2005/06/13 10:51:00	437.00	2.04	1008	2005/06/13 10:52:00	463.00	1.67	1008	0.37		
AFM001257	16	Pasture	222	21.40	21.40	10.20	29.61	2005/06/13 10:54:00	433.00	2.14	1008	2005/06/13 10:57:00	532.00	0.31	1008	1.83		
AFM001257	15	Pasture	170	19.10	19.10	10.40	23.46	2005/06/13 10:59:00	446.00	3.49	1008	2005/06/13 11:01:00	464.00	2.70	1008	0.79		
AFM001258	25	Spruce	28	15.70	15.70	9.20	29.97	2005/06/13 12:23:00	435.00	1.23	1011	2005/06/13 12:27:00	460.00	0.37	1011	0.86		
AFM001258	23	Spruce	54	16.50	16.50	9.60	32.51	2005/06/13 12:30:00	430.00	0.25	1011	2005/06/13 12:34:00	450.00	0.34	1011	-0.09		
AFM001258	22	Spruce	46	15.80	15.80	9.50	26.88	2005/06/13 12:37:00	421.00	0.60	1011	2005/06/13 12:40:00	428.00	0.82	1011	-0.22		
AFM001258	26	Spruce	52	15.30	15.30	9.60	28.99	2005/06/13 12:42:00	439.00	0.93	1011	2005/06/13 12:45:00	433.00	1.06	1011	-0.13		
AFM001258	27	Spruce	101	15.90	15.90	9.50	31.64	2005/06/13 12:49:00	435.00	0.96	1011	2005/06/13 12:52:00	438.00	0.09	1011	0.87		
AFM001258	21	Spruce	59	16.60	16.60	9.50	31.17	2005/06/13 12:54:00	423.00	1.13	1011	2005/06/13 12:56:00	434.00	0.86	1011	0.27		
AFM001258	20	Spruce	1065	20.60	20.60	9.90	29.53	2005/06/13 13:00:00	433.00	0.76	1011	2005/06/13 13:01:00	430.00	1.37	1011	-0.61		
AFM001258	28	Spruce	93	21.00	21.00	9.30	28.00	2005/06/13 13:05:00	393.00	0.09	1011	2005/06/13 13:08:00	421.00	0.32	1011	-0.23		
AFM001258	24	Spruce	98	18.40	18.40	9.80	28.70	2005/06/13 13:12:00	433.00	0.56	1011	2005/06/13 13:14:00	431.00	1.02	1011	-0.46		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_2 (mbar)	GPP ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	Snow depth (cm)	Comments
AFM001260	50	Deciduous	45	22.80	22.80	13.00	36.33	2005/06/16 08:47:00	452.00	1.06	1020	2005/06/16 08:49:00	444.00	1.31	1020	-0.25		
AFM001260	51	Deciduous	180	21.80	21.80	12.90	35.75	2005/06/16 08:51:00	450.00	1.73	1020	2005/06/16 08:53:00	410.00	3.21	1020	-1.48		
AFM001260	52	Deciduous	54	21.20	21.20	16.70	39.35	2005/06/16 08:55:00	427.00	1.28	1020	2005/06/16 08:56:00	399.00	1.18	1020	0.10		
AFM001260	53	Deciduous	36	20.50	20.50	12.10	40.44	2005/06/16 08:58:00	404.00	1.38	1020	2005/06/16 08:59:00	397.00	0.89	1020	0.49		
AFM001260	54	Deciduous	33	21.40	21.40	12.80	35.10	2005/06/16 09:02:00	414.00	2.17	1020	2005/06/16 09:03:00	418.00	1.29	1020	0.88		
AFM001260	55	Deciduous	21	21.50	21.50	12.70	26.77	2005/06/16 09:05:00	396.00	1.00	1020	2005/06/16 09:07:00	395.00	0.95	1020	0.05		
AFM001260	56	Deciduous	68	21.00	21.00	12.70	43.06	2005/06/16 09:08:00	403.00	2.23	1020	2005/06/16 09:10:00	444.00	0.69	1020	1.54		
AFM001260	57	Deciduous	31	21.20	21.20	13.00	49.10	2005/06/16 09:15:00	470.00	0.07	1020	2005/06/16 09:17:00	415.00	0.51	1020	-0.44		
AFM001260	58	Deciduous	341	22.90	22.90	12.80	41.86	2005/06/16 09:21:00	371.00	0.03	1020	2005/06/16 09:22:00	388.00	0.83	1020	-0.80		
AFM001259	30	Spruce	395	23.20	23.20	9.50	12.51	2005/06/16 10:01:00	443.00	1.01	1020	2005/06/16 10:03:00	452.00	2.98	1020	-1.97		
AFM001259	31	Spruce	29	23.30	23.30	9.80	12.19	2005/06/16 10:06:00	430.00	1.26	1020	2005/06/16 10:09:00	430.00	0.67	1019	0.59		
AFM001259	32	Spruce	39	23.00	23.00	10.80	16.08	2005/06/16 10:12:00	499.00	0.99	1020	2005/06/16 10:13:00	437.00	1.29	1019	-0.30		
AFM001259	33	Spruce	43	22.90	22.90	10.90	11.97	2005/06/16 10:17:00	440.00	-0.21	1020	2005/06/16 10:19:00	441.00	1.04	1019	-1.25		
AFM001259	34	Spruce	22	22.70	22.70	10.40	8.33	2005/06/16 10:22:00	427.00	1.56	1020	2005/06/16 10:25:00	430.00	0.78	1019	0.78		
AFM001259	35	Spruce	87	25.70	25.70	10.20	20.37	2005/06/16 10:29:00	409.00	0.05	1019	2005/06/16 10:31:00	417.00	0.66	1019	-0.61		
AFM001259	36	Spruce	78	25.80	25.80	10.40	9.53	2005/06/16 10:33:00	497.00	-2.62	1019	2005/06/16 10:36:00	454.00	0.55	1019	-3.17		
AFM001259	37	Spruce	150	25.40	25.40	10.50	22.80	2005/06/16 10:40:00	413.00	-0.07	1019	2005/06/16 10:43:00	460.00	0.00	1019	-0.07		
AFM001259	38	Spruce	62	24.30	24.30	9.70	15.89	2005/06/16 10:46:00	728.00	0.60	1019	2005/06/16 10:47:00	450.00	1.30	1019	-0.70		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE (g CO ₂ / m ² ·h ⁻¹)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration (g CO ₂ / m ² ·h ⁻¹)	ATMP_2 (mbar)	GPP (g CO ₂ / m ² ·h ⁻¹)	Snow depth (cm)	Comments
AFM001258	20	Spruce	55	18.20	18.20	14.30	23.39	2005/08/02 09:16:00	440.00	3.33	1012	2005/08/02 09:19:00	514.00	4.54	1012	-1.21		
AFM001258	21	Spruce	90	17.90	17.90	14.30	21.31	2005/08/02 09:20:00	456.00	2.88	1012	2005/08/02 09:23:00	454.00	4.02	1012	-1.14		
AFM001258	25	Spruce	52	17.10	17.10	13.90	27.28	2005/08/02 09:27:00	452.00	3.13	1012	2005/08/02 09:30:00	459.00	1.50	1012	1.63		
AFM001258	23	Spruce	48	16.90	16.90	14.10	23.46	2005/08/02 09:32:00	438.00	1.37	1012	2005/08/02 09:34:00	430.00	1.08	1012	0.29		
AFM001258	22	Spruce	45	16.70	16.70	13.90	22.26	2005/08/02 09:37:00	454.00	1.90	1012	2005/08/02 09:38:00	449.00	2.23	1012	-0.33		
AFM001258	26	Spruce	56	16.60	16.60	14.50	20.15	2005/08/02 09:40:00	464.00	2.45	1012	2005/08/02 09:41:00	449.00	3.84	1012	-1.39		
AFM001258	27	Spruce	39	16.80	16.80	13.90	19.10	2005/08/02 09:44:00	447.00	1.85	1013	2005/08/02 09:45:00	472.00	2.30	1012	-0.45		
AFM001258	28	Spruce	41	16.80	16.80	14.00	15.46	2005/08/02 09:47:00	443.00	3.09	1012	2005/08/02 09:49:00	431.00	1.60	1012	1.49		
AFM001257	15	Pasture	597	29.90	29.90	13.80	10.22	2005/08/02 09:52:00	387.00	-0.30	1008	2005/08/24 09:54:00	421.00	1.48	1008	-1.78		
AFM001258	24	Spruce	72	17.10	17.10	13.90	19.86	2005/08/02 09:52:00	425.00	1.78	1013	2005/08/02 09:53:00	433.00	1.96	1012	-0.18		
AFM001259	32	Spruce	71	18.50	18.50	13.20	13.42	2005/08/02 10:22:00	492.00	0.70	1012	2005/08/02 10:25:00	447.00	1.39	1012	-0.69		
AFM001259	30	Spruce	60	17.60	17.60	13.40	12.73	2005/08/02 10:31:00	480.00	3.59	1012	2005/08/02 10:32:00	503.00	3.39	1012	0.20		
AFM001259	31	Spruce	93	17.90	17.90	13.80	15.53	2005/08/02 10:36:00	414.00	0.61	1012	2005/08/02 10:39:00	456.00	0.41	1012	0.20		
AFM001259	33	Spruce	50	17.70	17.70	0.00	14.11	2005/08/02 10:41:00	445.00	3.54	1012	2005/08/02 10:42:00	440.00	0.00	0	3.54	Possibly wrong	
AFM001259	34	Spruce	55	17.90	17.90	14.20	12.62	2005/08/02 10:47:00	435.00	0.69	1012	2005/08/02 10:48:00	437.00	0.87	1012	-0.18		
AFM001259	35	Spruce	371	19.10	19.10	13.60	15.42	2005/08/02 10:51:00	448.00	2.51	1012	2005/08/02 10:53:00	435.00	1.66	1012	0.85		
AFM001259	36	Spruce	140	20.00	20.00	13.40	6.44	2005/08/02 10:57:00	458.00	0.77	1012	2005/08/02 11:00:00	489.00	0.99	1012	-0.22		
AFM001259	37	Spruce	45	19.30	19.30	13.90	20.77	2005/08/02 11:02:00	450.00	2.09	1012	2005/08/02 11:04:00	442.00	1.90	1012	0.19		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_2 (mbar)	GPP ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	Snow depth (cm)	Comments
AFM001259	38	Spruce	50	18.20	18.20	13.90	22.91	2005/08/02 11:07:00	514.00	2.99	1012	2005/08/02 11:08:00	482.00	2.44	1012	0.55		
AFM001257	10	Pasture	1047	31.70	31.70	16.70	22.91	2005/08/02 14:27:00	411.00	2.44	1013	2005/08/02 14:29:00	468.00	1.50	1012	0.94		
AFM001257	17	Pasture	1759	34.50	34.50	16.00	29.06	2005/08/02 14:32:00	455.00	0.76	1012	2005/08/02 14:34:00	468.00	1.98	1012	-1.22		
AFM001257	14	Pasture	1392	37.30	37.30	17.10	23.75	2005/08/02 14:38:00	443.00	0.20	1012	2005/08/02 14:40:00	418.00	2.13	1012	-1.93		
AFM001257	18	Pasture	1239	36.30	36.30	17.40	18.04	2005/08/02 14:42:00	452.00	5.75	1012	2005/08/02 14:43:00	467.00	5.21	1012	0.54		
AFM001257	16	Pasture	696	33.40	33.40	15.80	22.04	2005/08/02 14:46:00	423.00	1.83	1012	2005/08/02 14:47:00	430.00	2.71	1012	-0.88		
AFM001257	13	Pasture	1056	30.50	30.50	15.90	14.66	2005/08/02 14:51:00	443.00	2.04	1012	2005/08/02 14:53:00	443.00	2.61	1012	-0.57		
AFM001257	15	Pasture	312	30.10	30.10	16.30	25.24	2005/08/02 14:55:00	431.00	1.51	1012	2005/08/02 14:57:00	478.00	3.51	1012	-2.00		
AFM001257	12	Pasture	1313	30.60	30.60	15.00	12.33	2005/08/02 15:00:00	515.00	0.59	1012	2005/08/02 15:02:00	485.00	0.63	1012	-0.04		
AFM001257	11	Pasture	549	32.30	32.30	17.10	16.69	2005/08/02 15:06:00	488.00	0.34	1012	2005/08/02 15:09:00	427.00	-0.74	1012	1.08		
AFM001260	51	Deciduous	21	18.70	18.70	16.20	39.02	2005/08/02 15:50:00	444.00	1.03	1014	2005/08/02 15:53:00	430.00	0.87	1014	0.16		
AFM001260	52	Deciduous	22	18.40	18.40	16.80	33.68	2005/08/02 16:00:00	397.00	0.69	1014	2005/08/02 16:04:00	397.00	0.16	1014	0.53		
AFM001260	53	Deciduous	0	18.00	18.00	16.00	32.66	2005/08/02 16:08:00	388.00	0.08	1014	2005/08/02 16:11:00	422.00	0.83	1014	-0.75		
AFM001260	54	Deciduous	0	17.60	17.60	16.00	24.95	2005/08/02 16:14:00	459.00	1.99	1014	2005/08/02 16:19:00	436.00	2.02	1014	-0.03		
AFM001260	55	Deciduous	18	17.60	17.60	16.40	41.46	2005/08/02 16:24:00	438.00	1.02	1015	2005/08/02 16:27:00	433.00	0.73	1014	0.29		
AFM001260	56	Deciduous	0	17.60	17.60	16.10	31.46	2005/08/02 16:29:00	439.00	1.61	1014	2005/08/02 16:31:00	448.00	1.62	1014	-0.01		
AFM001260	57	Deciduous	1	17.80	17.80	16.30	49.42	2005/08/02 16:35:00	416.00	0.94	1014	2005/08/02 16:38:00	424.00	0.17	1014	0.77		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE (g CO ₂ / m ² ·h ⁻¹)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration (g CO ₂ / m ² ·h ⁻¹)	ATMP_2 (mbar)	GPP (g CO ₂ / m ² ·h ⁻¹)	Snow depth (cm)	Comments
AFM001260	58	Deciduous	48	18.40	18.40	15.90	38.33	2005/08/02 16:43:00	467.00	0.13	1015	2005/08/02 16:45:00	452.00	0.84	1014	-0.71		
AFM001257	10	Pasture	332	23.80	23.80	14.60	14.11	2005/08/24 09:23:00	400.00	0.84	1009	2005/08/24 09:26:00	445.00	0.55	1008	0.29		
AFM001257	11	Pasture	590	26.80	26.80	13.90	8.95	2005/08/24 09:29:00	518.00	0.31	1009	2005/08/24 09:31:00	460.00	2.08	1008	-1.77		
AFM001257	12	Pasture	837	26.70	26.70	13.60	7.86	2005/08/24 09:33:00	446.00	2.55	1008	2005/08/24 09:36:00	434.00	1.34	1008	1.21		
AFM001257	13	Pasture	152	28.80	28.80	13.30	9.60	2005/08/24 09:38:00	472.00	5.04	1009	2005/08/24 09:41:00	472.00	1.68	1008	3.36		
AFM001257	14	Pasture	1074	31.50	31.50	14.70	11.71	2005/08/24 09:46:00	386.00	0.07	1009	2005/08/24 09:48:00	429.00	1.14	1008	-1.07		
AFM001257	16	Pasture	203	28.30	28.30	13.90	10.48	2005/08/24 09:57:00	458.00	1.71	1008	2005/08/24 10:00:00	442.00	1.10	1008	0.61		
AFM001257	17	Pasture	1282	30.00	30.00	14.50	15.64	2005/08/24 10:03:00	393.00	0.12	1008	2005/08/24 10:06:00	425.00	0.66	1008	-0.54		
AFM001257	18	Pasture	1145	33.80	33.80	14.90	13.13	2005/08/24 10:09:00	403.00	0.26	1009	2005/08/24 10:12:00	444.00	0.76	1008	-0.50		
AFM001259	30	Spruce	39	24.30	24.30	14.10	3.35	2005/08/24 12:29:00	485.00	1.58	1009	2005/08/24 12:31:00	489.00	3.04	1009	-1.46		
AFM001259	31	Spruce	31	23.40	23.40	13.50	5.09	2005/08/24 12:35:00	430.00	0.83	1009	2005/08/24 12:37:00	418.00	1.14	1008	-0.31		
AFM001259	32	Spruce	53	23.00	23.00	14.20	3.86	2005/08/24 12:40:00	441.00	1.58	1009	2005/08/24 12:43:00	432.00	0.94	1008	0.64		
AFM001259	33	Spruce	42	22.60	22.60	13.70	6.66	2005/08/24 12:46:00	474.00	0.90	1009	2005/08/24 12:48:00	444.00	2.26	1009	-1.36		
AFM001259	34	Spruce	33	22.40	22.40	14.00	5.68	2005/08/24 12:52:00	398.00	0.58	1009	2005/08/24 12:55:00	410.00	1.07	1008	-0.49		
AFM001259	35	Spruce	39	22.30	22.30	13.50	6.15	2005/08/24 12:59:00	410.00	0.55	1008	2005/08/24 13:02:00	422.00	0.41	1008	0.14		
AFM001259	36	Spruce	15	22.80	22.80	13.40	2.08	2005/08/24 13:05:00	424.00	0.62	1008	2005/08/24 13:07:00	433.00	1.21	1008	-0.59		
AFM001259	37	Spruce	44	22.60	22.60	13.60	12.62	2005/08/24 13:13:00	444.00	0.83	1008	2005/08/24 13:17:00	494.00	-0.03	1008	0.86		
AFM001259	38	Spruce	45	22.10	22.10	14.20	3.93	2005/08/24 13:20:00	451.00	4.22	1008	2005/08/24 13:22:00	481.00	1.58	1008	2.64		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_2 (mbar)	GPP ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	Snow depth (cm)	Comments
AFM001258	20	Spruce	26	22.40	22.40	14.70	13.46	2005/08/24 15:25:00	467.00	1.16	1009	2005/08/24 15:29:00	443.00	0.62	1008	0.54		
AFM001258	21	Spruce	1	22.00	22.00	14.60	9.93	2005/08/24 15:32:00	424.00	1.51	1008	2005/08/24 15:36:00	477.00	-1.04	1008	2.55		
AFM001258	23	Spruce	18	21.90	21.90	15.40	16.00	2005/08/24 15:41:00	440.00	0.77	1008	2005/08/24 15:45:00	442.00	0.20	1008	0.57		
AFM001258	24	Spruce	47	21.80	21.80	14.20	17.42	2005/08/24 15:47:00	504.00	1.54	1008	2005/08/24 15:50:00	465.00	2.08	1008	-0.54		
AFM001258	25	Spruce	37	21.70	21.70	13.90	10.48	2005/08/24 15:54:00	434.00	0.12	1008	2005/08/24 15:56:00	433.00	0.93	1008	-0.81		
AFM001258	26	Spruce	27	21.70	21.70	14.70	12.84	2005/08/24 15:59:00	420.00	1.16	1008	2005/08/24 16:01:00	432.00	1.52	1008	-0.36		
AFM001258	27	Spruce	0	21.80	21.80	15.10	7.49	2005/08/24 16:04:00	424.00	0.63	1008	2005/08/24 16:06:00	418.00	0.78	1008	-0.15		
AFM001258	28	Spruce	6	21.80	21.80	15.10	12.69	2005/08/24 16:10:00	387.00	0.81	1008	2005/08/24 16:13:00	404.00	0.94	1008	-0.13		
AFM001258	20	Spruce	24	11.80	11.80	10.70	9.42	2005/09/30 09:31:00	453.00	0.83	1016	2005/09/30 09:34:00	451.00	1.00	1016	-0.17		
AFM001258	21	Spruce	18	10.70	10.70	10.10	14.33	2005/09/30 09:37:00	439.00	1.73	1016	2005/09/30 09:39:00	447.00	1.22	1016	0.51		
AFM001258	25	Spruce	14	10.80	10.80	9.70	10.62	2005/09/30 09:44:00	486.00	0.82	1016	2005/09/30 09:47:00	469.00	0.57	1016	0.25		
AFM001258	23	Spruce	0	10.70	10.70	10.40	10.48	2005/09/30 09:51:00	443.00	0.90	1016	2005/09/30 09:54:00	440.00	0.56	1016	0.34		
AFM001258	22	Spruce	0	10.70	10.70	9.90	11.71	2005/09/30 09:58:00	447.00	0.83	1016	2005/09/30 10:00:00	436.00	0.98	1016	-0.15		
AFM001258	26	Spruce	65	11.00	11.00	9.80	15.31	2005/09/30 10:05:00	484.00	0.77	1016	2005/09/30 10:07:00	437.00	0.60	1016	0.17		
AFM001258	27	Spruce	0	11.40	11.40	9.80	10.80	2005/09/30 10:11:00	432.00	0.82	1016	2005/09/30 10:15:00	421.00	0.36	1016	0.46		
AFM001258	28	Spruce	28	11.60	11.60	10.70	5.53	2005/09/30 10:20:00	408.00	0.65	1016	2005/09/30 10:23:00	410.00	0.18	1016	0.47		
AFM001258	24	Spruce	27	12.10	12.10	10.20	11.31	2005/09/30 10:26:00	451.00	0.57	1016	2005/09/30 10:29:00	587.00	-0.12	1016	0.69		
AFM001259	32	Spruce	1	18.60	18.60	11.40	6.58	2005/09/30 12:52:00	444.00	1.33	1016	2005/09/30 12:55:00	452.00	0.05	1016	1.28		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE (g CO ₂ / m ² ·h ⁻¹)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration (g CO ₂ / m ² ·h ⁻¹)	ATMP_2 (mbar)	GPP (g CO ₂ / m ² ·h ⁻¹)	Snow depth (cm)	Comments
AFM001259	30	Spruce	0	15.90	15.90	10.90	3.68	2005/09/30 12:58:00	441.00	1.48	1016	2005/09/30 13:01:00	445.00	0.36	1016	1.12		
AFM001259	31	Spruce	0	14.90	14.90	10.70	6.29	2005/09/30 13:04:00	429.00	0.93	1016	2005/09/30 13:06:00	446.00	0.67	1016	0.26		
AFM001259	36	Spruce	13	14.60	14.60	10.90	1.93	2005/09/30 13:10:00	469.00	-0.01	1016	2005/09/30 13:13:00	438.00	0.87	1016	-0.88		
AFM001259	33	Spruce	11	14.50	14.50	10.60	5.24	2005/09/30 13:17:00	447.00	0.62	1016	2005/09/30 13:20:00	452.00	0.29	1016	0.33		
AFM001259	34	Spruce	0	14.40	14.40	11.20	4.95	2005/09/30 13:24:00	434.00	0.28	1016	2005/09/30 13:27:00	452.00	0.17	1016	0.11		
AFM001259	35	Spruce	24	14.30	14.30	10.70	11.24	2005/09/30 13:31:00	440.00	0.57	1016	2005/09/30 13:34:00	535.00	0.07	1016	0.50		
AFM001259	37	Spruce	0	14.00	14.00	10.90	4.66	2005/09/30 13:37:00	500.00	0.06	1016	2005/09/30 13:40:00	461.00	0.57	1016	-0.51		
AFM001259	38	Spruce	28	14.00	14.00	11.20	12.44	2005/09/30 13:43:00	437.00	1.94	1016	2005/09/30 13:45:00	472.00	6.29	1016	-4.35		
AFM001257	10	Pasture	895	23.80	23.80	9.20	10.19	2005/10/05 09:28:00	379.00	0.00	1028	2005/10/05 09:31:00	388.00	-0.01	1028	0.01		
AFM001257	17	Pasture	316	20.40	20.40	8.70	7.17	2005/10/05 09:35:00	419.00	0.62	1028	2005/10/05 09:38:00	398.00	0.53	1028	0.09		
AFM001257	14	Pasture	688	19.60	19.60	8.70	6.33	2005/10/05 09:42:00	388.00	0.09	1028	2005/10/05 09:45:00	397.00	0.10	1028	-0.01		
AFM001257	18	Pasture	124	18.90	18.90	8.70	7.49	2005/10/05 09:49:00	396.00	0.54	1028	2005/10/05 09:52:00	408.00	0.16	1028	0.38		
AFM001257	16	Pasture	104	18.20	18.20	8.30	14.69	2005/10/05 09:56:00	406.00	0.13	1028	2005/10/05 09:59:00	425.00	0.93	1028	-0.80		
AFM001257	13	Pasture	68	18.00	18.00	8.90	9.24	2005/10/05 10:04:00	426.00	0.65	1028	2005/10/05 10:07:00	439.00	0.69	1028	-0.04		
AFM001257	15	Pasture	742	23.50	23.50	8.70	5.53	2005/10/05 10:12:00	393.00	0.51	1028	2005/10/05 10:15:00	384.00	-0.10	1028	0.61		
AFM001257	12	Pasture	185	21.80	21.80	9.00	5.71	2005/10/05 10:19:00	422.00	-0.07	1028	2005/10/05 10:23:00	402.00	0.00	1028	-0.07		
AFM001257	11	Pasture	78	20.20	20.20	9.10	8.44	2005/10/05 10:28:00	448.00	0.58	1028	2005/10/05 10:31:00	411.00	0.10	1028	0.48		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_2 (mbar)	GPP ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	Snow depth (cm)	Comments
AFM001260	57	Deciduous	33	18.10	18.10	11.30	17.93	2005/10/05 12:16:00	381.00	-0.01	1028	2005/10/05 12:20:00	395.00	0.10	1028	-0.11		
AFM001260	50	Deciduous	26	17.10	17.10	11.00	12.19	2005/10/05 12:23:00	394.00	0.58	1028	2005/10/05 12:27:00	404.00	0.22	1028	0.36		
AFM001260	52	Deciduous	39	17.10	17.10	10.70	12.80	2005/10/05 12:30:00	384.00	0.11	1028	2005/10/05 12:33:00	401.00	0.16	1028	-0.05		
AFM001260	55	Deciduous	54	17.00	17.00	10.50	32.62	2005/10/05 12:36:00	424.00	0.82	1028	2005/10/05 12:40:00	433.00	0.64	1028	0.18		
AFM001260	51	Deciduous	37	16.70	16.70	10.40	37.17	2005/10/05 12:44:00	412.00	0.59	1028	2005/10/05 12:47:00	425.00	0.62	1028	-0.03		
AFM001260	54	Deciduous	42	16.80	16.80	10.50	15.31	2005/10/05 12:51:00	403.00	0.57	1028	2005/10/05 12:54:00	409.00	0.53	1028	0.04		
AFM001260	56	Deciduous	18	16.50	16.50	10.80	13.13	2005/10/05 12:58:00	389.00	0.15	1028	2005/10/05 13:01:00	401.00	0.13	1028	0.02		
AFM001260	58	Deciduous	31	16.90	16.90	10.80	15.89	2005/10/05 13:05:00	395.00	0.74	1028	2005/10/05 13:09:00	389.00	0.08	1028	0.66		
AFM001260	53	Deciduous	26	16.80	16.80	11.20	13.93	2005/10/05 13:13:00	396.00	0.18	1028	2005/10/05 13:15:00	394.00	0.16	1028	0.02		
AFM001259	32	Spruce	0	3.40	3.40	4.50	18.62	2005/12/09 11:12:00	397.00	0.07	1029	2005/12/09 11:19:00	404.00	0.08	1029	-0.01	5.0	
AFM001259	30	Spruce	0	0.00	0.00	3.90	14.62	2005/12/09 11:23:00	401.00	0.09	1029	2005/12/09 11:26:00	400.00	0.09	1029	0.00	5.0	
AFM001259	31	Spruce	0	0.00	0.00	4.00	10.19	2005/12/09 11:30:00	406.00	0.08	1029	2005/12/09 11:33:00	419.00	0.01	1029	0.07	5.0	
AFM001259	36	Spruce	0	0.00	0.00	4.50	7.02	2005/12/09 11:37:00	391.00	0.00	1029	2005/12/09 11:40:00	394.00	0.05	1029	-0.05	5.0	
AFM001259	37	Spruce	0	0.00	0.00	3.90	12.91	2005/12/09 11:44:00	394.00	0.05	1029	2005/12/09 11:47:00	407.00	0.02	1029	0.03	5.0	
AFM001259	35	Spruce	0	0.00	0.00	3.90	9.53	2005/12/09 11:52:00	415.00	-0.28	1029	2005/12/09 11:55:00	402.00	0.07	1029	-0.35	5.0	
AFM001259	38	Spruce	0	0.00	0.00	3.90	18.19	2005/12/09 11:59:00	440.00	0.73	1029	2005/12/09 12:03:00	420.00	0.30	1029	0.43	5.0	
AFM001259	34	Spruce	0	0.00	0.00	3.90	10.48	2005/12/09 12:06:00	387.00	-0.04	1029	2005/12/09 12:09:00	384.00	-0.20	1029	0.16	5.0	
AFM001259	33	Spruce	0	0.00	0.00	3.00	16.51	2005/12/09 12:15:00	401.00	-0.03	1029	2005/12/09 12:18:00	404.00	0.08	1029	-0.11	5.0	

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE (g CO ₂ / m ² ·h ⁻¹)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration (g CO ₂ / m ² ·h ⁻¹)	ATMP_2 (mbar)	GPP (g CO ₂ / m ² ·h ⁻¹)	Snow depth (cm)	Comments
AFM001258	20	Spruce	0	5.00	5.00	4.10	30.66	2005/12/12 10:58:00	402.00	0.11	1011	2005/12/12 11:02:00	415.00	0.00	1012	0.11	5.0	
AFM001258	21	Spruce	0	4.00	4.00	4.20	25.64	2005/12/12 11:06:00	392.00	0.12	1012	2005/12/12 11:11:00	411.00	-0.02	1011	0.14	5.0	
AFM001258	25	Spruce	0	3.60	3.60	4.00	32.04	2005/12/12 11:16:00	389.00	-0.03	1012	2005/12/12 11:19:00	392.00	0.10	1012	-0.13	5.0	
AFM001258	23	Spruce	0	3.30	3.30	3.70	23.68	2005/12/12 11:23:00	381.00	0.01	1011	2005/12/12 11:26:00	378.00	0.00	1011	0.01	5.0	
AFM001258	22	Spruce	0	3.50	3.50	3.80		2005/12/12 11:30:00	390.00	0.05	1011	2005/12/12 11:33:00	394.00	0.08	1011	-0.03	5.0	
AFM001258	26	Spruce	0	3.40	3.40	4.10		2005/12/12 11:36:00	398.00	0.08	1011	2005/12/12 11:39:00	408.00	0.10	1011	-0.02	5.0	
AFM001258	27	Spruce	0	3.40	3.40	4.00		2005/12/12 11:42:00	394.00	0.01	1011	2005/12/12 11:45:00	392.00	-0.06	1011	0.07	5.0	
AFM001258	28	Spruce	0	3.40	3.40	4.20		2005/12/12 11:49:00	393.00	0.04	1011	2005/12/12 11:52:00	403.00	0.15	1011	-0.11	5.0	
AFM001258	24	Spruce	0	3.30	3.30	4.10		2005/12/12 11:55:00	403.00	0.03	1011	2005/12/12 11:58:00	404.00	0.12	1011	-0.09	5.0	
AFM001260	51	Deciduous	26	0.80	0.80	1.40	34.33	2005/12/14 10:44:00	412.00	0.06	1009	2005/12/14 10:47:00	412.00	0.11	1009	-0.05	5.0	
AFM001260	55	Deciduous	29	0.00	0.00	1.50	37.97	2005/12/14 10:51:00	409.00	0.08	1009	2005/12/14 10:54:00	407.00	0.08	1009	0.00	5.0	
AFM001260	52	Deciduous	30	0.00	0.00	1.40	32.81	2005/12/14 10:58:00	404.00	0.13	1009	2005/12/14 11:02:00	398.00	0.04	1009	0.09	5.0	
AFM001260	50	Deciduous	28	0.00	0.00	1.90	27.57	2005/12/14 11:07:00	409.00	-0.02	1009	2005/12/14 11:11:00	412.00	-0.19	1009	0.17	5.0	
AFM001260	57	Deciduous	45	0.00	0.00	1.30	39.24	2005/12/14 11:15:00	409.00	0.09	1009	2005/12/14 11:18:00	400.00	0.03	1009	0.06	5.0	
AFM001260	53	Deciduous	54	0.00	0.00	1.10	34.19	2005/12/14 11:22:00	409.00	0.09	1009	2005/12/14 11:25:00	410.00	0.04	1009	0.05	5.0	
AFM001260	58	Deciduous	51	0.00	0.00	1.90	29.17	2005/12/14 11:29:00	406.00	0.13	1009	2005/12/14 11:32:00	407.00	0.00	1009	0.13	5.0	
AFM001260	54	Deciduous	36	0.40	0.40	1.60	23.93	2005/12/14 11:36:00	413.00	-0.30	1009	2005/12/14 11:39:00	414.00	-0.14	1009	-0.16	5.0	
AFM001260	56	Deciduous	21	0.20	0.20	2.10	24.33	2005/12/14 11:48:00	405.00	0.04	1008	2005/12/14 11:52:00	399.00	0.05	1008	-0.01	5.0	

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_2 (mbar)	GPP ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	Snow depth (cm)	Comments
AFM001257	10	Pasture	82	5.70	5.70	1.60	19.64	2005/12/15 10:25:00	393.00	0.00	982	2005/12/15 10:28:00	390.00	-0.15	982	0.15	5.0	
AFM001257	17	Pasture	77	2.90	2.90	1.60	17.75	2005/12/15 10:32:00	400.00	0.05	982	2005/12/15 10:35:00	393.00	0.00	982	0.05	5.0	
AFM001257	14	Pasture	56	1.90	1.90	1.40	21.60	2005/12/15 10:40:00	402.00	0.02	982	2005/12/15 10:43:00	395.00	0.02	982	0.00	5.0	
AFM001257	18	Pasture	54	1.70	1.70	1.80	20.37	2005/12/15 10:46:00	396.00	0.01	982	2005/12/15 10:49:00	399.00	0.04	982	-0.03	5.0	
AFM001257	16	Pasture	64	2.20	2.20	1.60	18.33	2005/12/15 10:53:00	388.00	-0.15	982	2005/12/15 10:56:00	389.00	-0.07	982	-0.08	5.0	
AFM001257	13	Pasture	80	2.80	2.80	2.00	13.39	2005/12/15 11:00:00	406.00	0.05	982	2005/12/15 11:03:00	407.00	0.05	982	0.00	5.0	
AFM001257	15	Pasture	136	3.90	3.90	1.90	15.46	2005/12/15 11:07:00	397.00	-0.56	982	2005/12/15 10:10:00	398.00	-0.03	982	-0.53	5.0	
AFM001257	12	Pasture	170	4.00	4.00	2.50	10.69	2005/12/15 11:13:00	396.00	-0.01	982	2005/12/15 11:16:00	396.00	-0.03	982	0.02	5.0	
AFM001257	11	Pasture	103	3.20	3.20	2.20	9.82	2005/12/15 11:20:00	397.00	0.00	982	2005/12/15 11:25:00	403.00	-0.16	982	0.16	5.0	
AFM001259	30	Spruce	0	1.40	1.40	1.90	3.90	2006/02/08 07:58:00	432.00	0.18	1001	2006/02/08 08:05:00	459.00	0.57	1001	-0.39	20.0	
AFM001259	32	Spruce	0	0.00	0.00	1.60	5.37	2006/02/08 08:09:00	426.00	0.12	1001	2006/02/08 08:13:00	426.00	0.09	1001	0.03	20.0	
AFM001259	33	Spruce	0	0.00	0.00	0.90	4.20	2006/02/08 08:18:00	414.00	0.01	1001	2006/02/08 08:21:00	414.00	0.06	1001	-0.05	20.0	
AFM001259	31	Spruce	0	0.00	0.00	1.20	5.07	2006/02/08 08:25:00	421.00	0.06	1001	2006/02/08 08:30:00	419.00	0.14	1001	-0.08	20.0	
AFM001259	36	Spruce	0	0.00	0.00	1.00	7.03	2006/02/08 08:34:00	408.00	0.09	1001	2006/02/08 08:38:00	406.00	-0.10	1001	0.19	20.0	
AFM001259	35	Spruce	0	0.00	0.00	1.10	10.73	2006/02/08 08:44:00	465.00	-0.52	1001	2006/02/08 08:48:00	406.00	0.07	1001	-0.59	20.0	
AFM001259	37	Spruce	0	0.00	0.00	1.10	11.33	2006/02/08 08:54:00	447.00	-0.08	1001	2006/02/08 08:58:00	401.00	0.09	1001	-0.17	20.0	
AFM001259	38	Spruce	0	0.00	0.00	1.70	13.97	2006/02/08 09:01:00	409.00	0.13	1001	2006/02/08 09:04:00	409.00	0.21	1001	-0.08	20.0	
AFM001259	34	Spruce	0	0.00	0.00	0.50	8.77	2006/02/08 09:09:00	422.00	0.05	1000	2006/02/08 09:12:00	486.00	-0.07	1001	0.12	20.0	

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE (g CO ₂ / m ² ·h ⁻¹)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration (g CO ₂ / m ² ·h ⁻¹)	ATMP_2 (mbar)	GPP (g CO ₂ / m ² ·h ⁻¹)	Snow depth (cm)	Comments
AFM001257	11	Pasture	148	1.70	1.70	1.00	1.33	2006/02/09 08:30:00	430.00	0.10	999	2006/02/09 08:34:00	474.00	0.17	999	-0.07	20.0	
AFM001257	12	Pasture	160	1.30	1.30	1.60	2.03	2006/02/09 08:41:00	423.00	-0.73	999	2006/02/09 08:45:00	451.00	0.09	999	-0.82	20.0	
AFM001257	15	Pasture	146	0.60	0.60	0.90	11.07	2006/02/09 08:51:00	444.00	0.24	999	2006/02/09 08:54:00	427.00	-0.09	1000	0.33	20.0	
AFM001257	13	Pasture	134	0.50	0.50	0.90	12.07	2006/02/09 08:59:00	438.00	0.13	1000	2006/02/09 09:04:00	410.00	0.00	1000	0.13	20.0	
AFM001257	16	Pasture	115	0.10	0.10	1.20	9.87	2006/02/09 09:10:00	437.00	0.34	1000	2006/02/09 09:13:00	430.00	0.00	1000	0.34	20.0	
AFM001257	17	Pasture	115	0.50	0.50	0.70	4.27	2006/02/09 09:18:00	463.00	0.19	1000	2006/02/09 09:21:00	423.00	0.00	1000	0.19	20.0	
AFM001257	10	Pasture	129	0.30	0.30	0.70	9.97	2006/02/09 09:25:00	451.00	0.80	1000	2006/02/09 09:29:00	450.00	0.30	1000	0.50	20.0	
AFM001257	14	Pasture	113	0.50	0.50	0.80	0.63	2006/02/09 09:33:00	412.00	-0.03	1000	2006/02/09 09:36:00	400.00	-0.31	1000	0.28	20.0	
AFM001257	18	Pasture	129	0.60	0.60	0.80	4.47	2006/02/09 09:40:00	399.00	0.16	1000	2006/02/09 09:46:00	435.00	0.25	1000	-0.09	20.0	
AFM001258	27	Spruce	18	4.50	4.50	1.70	31.57	2006/02/21 07:09:00	437.00	0.23	1028	2006/02/21 07:15:00	463.00	-0.01	1028	0.24	25.0	
AFM001258	21	Spruce	20	0.00	0.00	1.70	18.57	2006/02/21 07:22:00	431.00	0.23	1028	2006/02/21 07:27:00	420.00	0.09	1028	0.14	25.0	
AFM001258	20	Spruce	21	0.00	0.00	1.60	19.37	2006/02/21 07:31:00	447.00	-0.01	1028	2006/02/21 07:35:00	435.00	-0.02	1028	0.01	25.0	
AFM001258	28	Spruce	20	0.00	0.00	1.60	20.30	2006/02/21 07:39:00	447.00	-0.12	1028	2006/02/21 07:43:00	435.00	0.22	1029	-0.34	25.0	
AFM001258	24	Spruce	27	0.00	0.00	1.80	19.53	2006/02/21 07:47:00	419.00	-0.07	1029	2006/02/21 07:51:00	421.00	0.15	1028	-0.22	25.0	
AFM001258	25	Spruce	17	0.00	0.00	1.80	28.27	2006/02/21 07:55:00	409.00	0.09	1029	2006/02/21 07:58:00	411.00	0.09	1029	0.00	25.0	
AFM001258	23	Spruce	19	0.00	0.00	1.70	22.20	2006/02/21 08:03:00	410.00	0.09	1029	2006/02/21 08:06:00	420.00	0.18	1029	-0.09	25.0	
AFM001258	26	Spruce	19	0.00	0.00	1.70	26.70	2006/02/21 08:10:00	414.00	-0.19	1029	2006/02/21 08:13:00	409.00	0.06	1029	-0.25	25.0	
AFM001258	22	Spruce	18	0.00	0.00	1.60	25.73	2006/02/21 08:17:00	398.00	-0.13	1029	2006/02/21 08:20:00	400.00	-0.12	1029	-0.01	25.0	

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_2 (mbar)	GPP ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	Snow depth (cm)	Comments
AFM001260	50	Deciduous	0			1.20	43.87	2006/02/22 00:00:00				2006/02/22 10:21:00	399.00	0.00	1025		25.0	Snow cover. only resp. meas.
AFM001260	51	Deciduous	0			0.90	44.93	2006/02/22 00:00:00				2006/02/22 10:03:00	400.00	-0.17	1026		25.0	Snow cover. only resp. meas.
AFM001260	52	Deciduous	0			0.80	40.97	2006/02/22 00:00:00				2006/02/22 09:52:00	430.00	0.16	1025		25.0	Snow cover. only resp. meas.
AFM001260	53	Deciduous	0			0.70	37.47	2006/02/22 00:00:00				2006/02/22 09:47:00	423.00	0.13	1026		25.0	Snow cover. only resp. meas.
AFM001260	54	Deciduous	0			0.90	33.53	2006/02/22 00:00:00				2006/02/22 10:12:00	412.00	0.13	1025		25.0	Snow cover. only resp. meas.
AFM001260	55	Deciduous	0			1.00	47.63	2006/02/22 00:00:00				2006/02/22 09:57:00	419.00	0.16	1025		25.0	Snow cover. only resp. meas.
AFM001260	56	Deciduous	0			0.90	34.73	2006/02/22 00:00:00				2006/02/22 10:08:00	440.00	0.25	1025		25.0	Snow cover. only resp. meas.
AFM001260	57	Deciduous	0			0.90	42.53	2006/02/22 00:00:00				2006/02/22 09:40:00	395.00	-0.03	1025		25.0	Snow cover. only resp. meas.
AFM001260	58	Deciduous	0			1.10	43.57	2006/02/22 00:00:00				2006/02/22 10:17:00	406.00	0.10	1025		25.0	Snow cover. only resp. meas.
AFM001262	41	Mire	0			0.00		2006/03/01 00:00:00				2006/03/01 13:05:00	452.00	0.37	1006		30.0	Snow cover. only resp. meas. Ground frost.
AFM001262	47	Mire	0			2.10		2006/03/01 00:00:00				2006/03/01 12:57:00	426.00	0.34	1006		30.0	Snow cover. only resp. meas. Ground frost.
AFM001261	70	Clear-cut	0			0.00	25.30	2006/03/02 00:00:00				2006/03/02 10:37:00	400.00	0.06	1008		30.0	Snow cover. only resp. meas.
AFM001261	71	Clear-cut	0			1.50	23.40	2006/03/02 00:00:00				2006/03/02 09:57:00	427.00	0.06	1008		30.0	Snow cover. only resp. meas.
AFM001261	72	Clear-cut	0			0.00	35.90	2006/03/02 00:00:00				2006/03/02 10:40:00	416.00	0.11	1008		30.0	Snow cover. only resp. meas.
AFM001261	73	Clear-cut	0			1.40	6.37	2006/03/02 00:00:00				2006/03/02 10:05:00	460.00	0.05	1008		30.0	Snow cover. only resp. meas.
AFM001261	74	Clear-cut	0			0.00	29.07	2006/03/02 00:00:00				2006/03/02 10:33:00	439.00	-0.19	1008		30.0	Snow cover. only resp. meas.
AFM001261	75	Clear-cut	0			1.20	4.53	2006/03/02 00:00:00				2006/03/02 10:12:00	437.00	-0.05	1008		30.0	Snow cover. only resp. meas.

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE (g CO ₂ / m ² ·h ⁻¹)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration (g CO ₂ / m ² ·h ⁻¹)	ATMP_2 (mbar)	GPP (g CO ₂ / m ² ·h ⁻¹)	Snow depth (cm)	Comments
AFM001261	76	Clear-cut	0			0.00	15.73	2006/03/02 00:00:00				2006/03/02 10:29:00	418.00	0.05	1008		30.0	Snow cover. only resp. meas.
AFM001261	77	Clear-cut	0			0.00	9.07	2006/03/02 00:00:00				2006/03/02 10:22:00	431.00	0.13	1008		30.0	Snow cover. only resp. meas.
AFM001261	78	Clear-cut	0			1.30	6.80	2006/03/02 00:00:00				2006/03/02 10:17:00	420.00	0.14	1008		30.0	Snow cover. only resp. meas.
AFM001263	60	Wet forest	0			1.00		2006/03/23 00:00:00				2006/03/23 13:12:00	396.00	0.19	1011		35.0	Snow cover. only resp. meas. Water on ground
AFM001263	61	Wet forest	0			0.80	53.40	2006/03/23 00:00:00				2006/03/23 13:21:00	395.00	-0.53	1011		35.0	Snow cover. only resp. meas.
AFM001263	62	Wet forest	0			6.80		2006/03/23 00:00:00				2006/03/23 12:46:00	393.00	0.11	1011		35.0	Snow cover. only resp. meas. Water on ground
AFM001263	63	Wet forest	0			2.90		2006/03/23 00:00:00				2006/03/23 12:56:00	476.00	0.29	1011		35.0	Snow cover. only resp. meas. Water on ground
AFM001263	64	Wet forest	0			1.30		2006/03/23 00:00:00				2006/03/23 13:17:00	434.00	0.26	1011		35.0	Snow cover. only resp. meas. Water on ground
AFM001263	65	Wet forest	0			2.60	0.63	2006/03/23 00:00:00				2006/03/23 12:59:00	390.00	-0.06	1011		35.0	Snow cover. only resp. meas.
AFM001263	66	Wet forest	0			2.30	2.77	2006/03/23 00:00:00				2006/03/23 13:28:00	391.00	-0.07	1011		35.0	Snow cover. only resp. meas.
AFM001263	67	Wet forest	0			2.50	3.17	2006/03/23 00:00:00				2006/03/23 13:25:00	392.00	0.03	1011		35.0	Snow cover. only resp. meas.
AFM001263	68	Wet forest	0			2.20	3.33	2006/03/23 00:00:00				2006/03/23 13:32:00	413.00	0.14	1011		35.0	Snow cover. only resp. meas.
AFM001263	69	Wet forest	0			3.70		2006/03/23 00:00:00				2006/03/23 12:51:00	405.00	0.00	1011		35.0	Snow cover. only resp. meas. Ground frost.
AFM001262	40	For	149	16.30	16.30	8.10	15.10	2006/05/11 14:26:00	381.00	-0.01	1014	2005/05/11 14:30:00	381.00	0.00	1014	-0.01		
AFM001257	10	Pasture	1670	32.10	32.10	8.30	15.33	2006/05/16 12:36:00	338.00	-0.13	1017	2006/05/16 12:40:00	417.00	1.01	1017	-1.14		
AFM001257	17	Pasture	1728	26.50	26.50	7.00	13.17	2006/05/16 12:43:00	396.00	0.03	1017	2006/05/16 12:47:00	394.00	0.54	1017	-0.51		
AFM001257	14	Pasture	1548	27.70	27.70	7.60	14.53	2006/05/16 12:50:00	328.00	-0.20	1017	2006/05/16 12:54:00	415.00	0.84	1017	-1.04		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_2 (mbar)	GPP ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	Snow depth (cm)	Comments
AFM001257	18	Pasture	1427	33.00	33.00	7.10	11.67	2006/05/16 12:57:00	346.00	0.00	1017	2006/05/16 12:58:00	428.00	4.53	1017	-4.53		
AFM001257	16	Pasture	1399	28.60	28.60	8.60	13.40	2006/05/16 13:02:00	334.00	-0.56	1017	2006/05/16 13:04:00	433.00	1.97	1017	-2.53		
AFM001257	13	Pasture	1216	26.60	26.60	8.70	11.53	2006/05/16 13:08:00	367.00	-0.13	1017	2006/05/16 13:11:00	402.00	0.13	1017	-0.26		
AFM001257	15	Pasture	1535	28.50	28.50	7.30	14.63	2006/05/16 13:15:00	403.00	0.12	1017	2006/05/16 13:18:00	398.00	0.00	1017	0.12		
AFM001257	12	Pasture	1391	29.20	29.20	8.20	7.23	2006/05/16 13:20:00	407.00	-1.17	1017	2006/05/16 13:27:00	391.00	-0.10	1017	-1.07		
AFM001257	11	Pasture	1387	28.40	28.40	7.40	13.03	2006/05/16 13:32:00	384.00	0.00	1017	2006/05/16 13:35:00	442.00	1.83	1017	-1.83		
AFM001259	32	Spruce	29	20.60	20.60	7.60	10.93	2006/05/16 14:19:00	405.00	0.11	1019	2006/05/16 14:23:00	404.00	0.13	1019	-0.02		
AFM001259	31	Spruce	95	9.90	9.90	5.80	9.47	2006/05/16 14:41:00	413.00	0.09	1019	2006/05/16 14:44:00	407.00	0.15	1019	-0.06		
AFM001259	36	Spruce	30	9.50	9.50	5.70	8.07	2006/05/16 14:47:00	403.00	-0.72	1019	2006/05/16 14:51:00	419.00	0.21	1019	-0.93		
AFM001259	37	Spruce	26	9.10	9.10	6.10	11.23	2006/05/16 14:55:00	405.00	0.10	1019	2006/05/16 14:58:00	403.00	0.16	1019	-0.06		
AFM001259	38	Spruce	38	8.30	8.30	5.80	13.93	2006/05/16 15:01:00	455.00	0.01	1019	2006/05/16 15:04:00	440.00	0.75	1019	-0.74		
AFM001259	35	Spruce	41	7.80	7.80	6.50	9.73	2006/05/16 15:09:00	394.00	0.04	1019	2006/05/16 15:13:00	404.00	0.06	1019	-0.02		
AFM001259	34	Spruce	18	7.80	7.80	6.20	7.40	2006/05/16 15:17:00	411.00	-0.28	1019	2006/05/16 15:20:00	423.00	0.27	1019	-0.55		
AFM001259	33	Spruce	21	7.80	7.80	5.80	10.67	2006/05/16 15:24:00	409.00	0.13	1019	2006/05/16 15:26:00	408.00	0.01	1019	0.12		
AFM001262	46	Mire	1366	24.60	24.60	8.60	99.10	2006/05/17 08:07:00	388.00	-0.02	1019	2006/05/17 08:11:00	397.00	0.05	1019	-0.07		
AFM001262	47	Mire	1489	27.20	27.20	6.90	100.00	2006/05/17 08:17:00	402.00	0.20	1019	2006/05/17 08:21:00	405.00	0.20	1019	0.00		
AFM001262	41	Mire	1367	29.80	29.80	7.20	100.00	2006/05/17 08:25:00	387.00	0.07	1019	2006/05/17 08:29:00	398.00	0.09	1019	-0.02		
AFM001262	45	Mire	1428	30.90	30.90	6.60	100.00	2006/05/17 08:34:00	397.00	0.20	1019	2006/05/17 08:38:00	405.00	0.12	1019	0.08		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE (g CO ₂ / m ² ·h ⁻¹)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration (g CO ₂ / m ² ·h ⁻¹)	ATMP_2 (mbar)	GPP (g CO ₂ / m ² ·h ⁻¹)	Snow depth (cm)	Comments
AFM001262	42	Mire	1156	27.50	27.50	6.00	100.00	2006/05/17 08:43:00	397.00	0.16	1019	2006/05/17 08:46:00	399.00	0.19	1019	-0.03		
AFM001262	44	Mire	1298	27.30	27.30	6.30	100.00	2006/05/17 08:50:00	394.00	0.06	1019	2006/05/17 08:55:00	396.00	0.16	1019	-0.10		
AFM001262	43	Mire	899	22.60	22.60	5.80	8.20	2006/05/17 09:01:00	384.00	0.00	1019	2006/05/17 09:04:00	388.00	0.04	1019	-0.04		
AFM001263	69	Wet forest	109	20.90	20.90	6.30	36.37	2006/05/17 10:20:00	390.00	-0.04	1019	2006/05/17 10:23:00	455.00	-0.19	1019	0.15		
AFM001263	65	Wet forest	96	17.00	17.00	5.60	100.00	2006/05/17 10:26:00	448.00	-0.20	1019	2006/05/17 10:30:00	379.00	-0.01	1019	-0.19		Water on ground
AFM001263	68	Wet forest	131	15.10	15.10	6.40	28.23	2006/05/17 10:33:00	396.00	0.14	1019	2006/05/17 10:37:00	405.00	0.22	1019	-0.08		
AFM001263	67	Wet forest	116	15.50	15.50	6.70	25.77	2006/05/17 10:41:00	388.00	0.04	1019	2006/05/17 10:44:00	405.00	0.00	1019	0.04		
AFM001263	66	Wet forest	73	14.90	14.90	14.20	30.43	2006/05/17 10:48:00	408.00	0.21	1019	2006/05/17 10:51:00	386.00	0.03	1019	0.18		
AFM001263	62	Wet forest	128	14.20	14.20	6.00	100.00	2006/05/17 11:03:00	401.00	0.23	1019	2006/05/17 11:08:00	402.00	0.18	1019	0.05		Water on ground
AFM001263	60	Wet forest	139	13.80	13.80	7.00	100.00	2006/05/17 11:16:00	418.00	0.40	1019	2006/05/17 11:20:00	433.00	0.35	1019	0.05		Water on ground
AFM001263	61	Wet forest	103	13.60	13.60	6.00	100.00	2006/05/17 11:25:00	399.00	0.21	1019	2006/05/17 11:28:00	407.00	0.29	1019	-0.08		Water on ground
AFM001263	64	Wet forest	73	13.20	13.20	6.20	100.00	2006/05/17 11:33:00	409.00	0.28	1019	2006/05/17 11:36:00	422.00	0.32	1019	-0.04		Water on ground
AFM001258	20	Spruce	196	16.80	16.80	8.10	52.73	2006/05/30 11:05:00	454.00	0.18	1002	2006/05/30 11:08:00	438.00	7.34	1002	-7.16		
AFM001258	21	Spruce	152	13.80	13.80	8.00	28.77	2006/05/30 11:15:00	444.00	0.80	1002	2006/05/30 11:18:00	431.00	0.51	1002	0.29		
AFM001258	28	Spruce	118	12.50	12.50	7.50	11.27	2006/05/30 11:22:00	397.00	-0.14	1002	2006/05/30 11:25:00	409.00	0.11	1002	-0.25		
AFM001258	24	Spruce	187	12.40	12.40	8.10	18.70	2006/05/30 11:29:00	395.00	0.06	1002	2006/05/30 11:32:00	417.00	0.28	1002	-0.22		
AFM001258	25	Spruce	115	12.10	12.10	7.80	26.13	2006/05/30 11:35:00	407.00	0.10	1002	2006/05/30 11:38:00	412.00	0.14	1003	-0.04		
AFM001258	23	Spruce	118	11.50	11.50	7.90	23.43	2006/05/30 11:42:00	413.00	0.00	1002	2006/05/30 11:45:00	418.00	0.03	1003	-0.03		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_2 (mbar)	GPP ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	Snow depth (cm)	Comments
AFM001258	22	Spruce	88	11.40	11.40	7.70	26.67	2006/05/30 11:49:00	412.00	-0.01	1002	2006/05/30 11:52:00	437.00	0.30	1003	-0.31		
AFM001258	26	Spruce	83	11.30	11.30	8.00	27.43	2006/05/30 11:55:00	433.00	-0.15	1003	2006/05/30 11:58:00	425.00	0.83	1003	-0.98		
AFM001258	27	Spruce	77	11.30	11.30	8.10	31.83	2006/05/30 12:02:00	418.00	0.18	1003	2006/05/30 12:05:00	406.00	0.09	1003	0.09		
AFM001260	50	Deciduous	409	18.40	18.40	9.20	33.50	2006/06/01 08:52:00	381.00	0.00	1015	2006/06/01 08:58:00	396.00	0.03	1015	-0.03		
AFM001260	52	Deciduous	614	16.70	16.70	10.00	37.07	2006/06/01 09:03:00	381.00	0.00	1015	2006/06/01 09:08:00	407.00	0.14	1015	-0.14		
AFM001260	53	Deciduous	337	15.20	15.20	9.40	39.10	2006/06/01 09:12:00	382.00	-0.02	1015	2006/06/01 09:15:00	394.00	0.06	1015	-0.08		
AFM001260	57	Deciduous	610	16.70	16.70	9.90	39.73	2006/06/01 09:19:00	389.00	0.04	1015	2006/06/01 09:22:00	399.00	0.08	1015	-0.04		
AFM001260	58	Deciduous	150	16.00	16.00	9.60	35.50	2006/06/01 09:26:00	393.00	0.04	1015	2006/06/01 09:29:00	405.00	0.52	1015	-0.48		
AFM001260	54	Deciduous	141	14.50	14.50	9.20	27.67	2006/06/01 09:32:00	401.00	0.08	1015	2006/06/01 09:35:00	441.00	0.76	1015	-0.68		
AFM001260	56	Deciduous	130	13.50	13.50	9.40	29.77	2006/06/01 09:39:00	400.00	0.05	1015	2006/06/01 09:43:00	410.00	0.20	1015	-0.15		
AFM001260	55	Deciduous	1547	22.80	22.80	10.60	39.20	2006/06/01 09:46:00	377.00	-0.06	1015	2006/06/01 09:49:00	414.00	0.57	1015	-0.63		
AFM001260	51	Deciduous	1311	23.90	23.90	10.70	37.40	2006/06/01 09:53:00	359.00	-0.15	1015	2006/06/01 09:55:00	433.00	0.24	1015	-0.39		
AFM001263	63	Wet forest	54	21.30	21.30	12.70	28.47	2006/07/04 08:03:00	459.00	0.86	1024	2006/07/05 08:06:00	437.00	0.18	1024	0.68		
AFM001261	70	Clear-cut	365	31.20	31.20	16.40	3.50	2006/07/04 11:43:00	417.00	0.12	1021	2006/07/04 11:47:00	423.00	0.67	1021	-0.55		
AFM001261	71	Clear-cut	142	28.50	28.50	15.30	0.70	2006/07/04 11:51:00	413.00	0.00	1021	2006/07/04 11:52:00	438.00	-17.23	1021	17.23		
AFM001261	72	Clear-cut	884	28.40	28.40	16.00	7.67	2006/07/04 11:55:00	456.00	1.79	1021	2006/07/04 11:58:00	451.00	1.36	1021	0.43		
AFM001261	73	Clear-cut	179	29.40	29.40	15.80	10.70	2006/07/04 11:59:00	484.00	1.32	1021	2006/07/04 12:03:00	520.00	-0.06	1021	1.38		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE (g CO ₂ / m ² ·h ⁻¹)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration (g CO ₂ / m ² ·h ⁻¹)	ATMP_2 (mbar)	GPP (g CO ₂ / m ² ·h ⁻¹)	Snow depth (cm)	Comments
AFM001261	74	Clear-cut	1017	31.60	31.60	15.70	8.60	2006/07/04 12:06:00	485.00	0.53	1021	2006/07/04 12:09:00	460.00	2.04	1021	-1.51		
AFM001261	75	Clear-cut	153	29.80	29.80	15.50	12.57	2006/07/04 12:12:00	446.00	4.14	1021	2006/07/04 12:14:00	629.00	-7.14	1021	11.28		
AFM001261	76	Clear-cut	194	29.90	29.90	19.50	8.00	2006/07/04 12:19:00	404.00	-0.52	1021	2006/07/04 12:22:00	423.00	0.07	1021	-0.59		
AFM001261	77	Clear-cut	280	29.20	29.20	17.40	10.33	2006/07/04 12:24:00	435.00	0.77	1021	2006/07/04 12:27:00	539.00	0.18	1021	0.59		
AFM001261	78	Clear-cut	117	28.60	28.60	16.50	9.50	2006/07/04 12:29:00	469.00	0.72	1021	2006/07/04 12:31:00	496.00	2.89	1021	-2.17		
AFM001259	32	Spruce	41	27.00	27.00	15.70	7.03	2006/07/04 12:54:00	435.00	1.19	1020	2006/07/04 12:58:00	490.00	0.60	1021	0.59		
AFM001259	30	Spruce	45	24.90	24.90	13.10	3.80	2006/07/04 12:59:00	391.00	-2.52	1021	2006/07/04 13:03:00	432.00	0.17	1021	-2.69		
AFM001259	31	Spruce	47	24.50	24.50	14.80	5.10	2006/07/04 13:06:00	405.00	0.94	1020	2006/07/04 13:09:00	429.00	0.21	1020	0.73		
AFM001259	36	Spruce	1116	29.80	29.80	14.20	1.67	2006/07/04 13:13:00	405.00	0.00	1021	2006/07/04 13:17:00	426.00	0.19	1020	-0.19		
AFM001259	37	Spruce	91	29.40	29.40	14.80	5.83	2006/07/04 13:21:00	393.00	0.13	1021	2006/07/04 13:24:00	419.00	-0.61	1021	0.74		
AFM001259	38	Spruce	57	26.00	26.00	13.90	7.80	2006/07/04 13:29:00	586.00	0.61	1021	2006/07/04 13:30:00	507.00	7.68	1021	-7.07		
AFM001259	35	Spruce	53	24.90	24.90	14.80	7.93	2006/07/04 13:32:00	468.00	-1.16	1021	2006/07/04 13:36:00	425.00	0.14	1021	-1.30		
AFM001259	34	Spruce	44	24.50	24.50	14.40	5.57	2006/07/04 13:40:00	390.00	0.02	1021	2006/07/04 13:43:00	445.00	0.62	1020	-0.60		
AFM001259	33	Spruce	47	23.90	23.90	15.30	7.60	2006/07/04 13:47:00	416.00	-0.12	1021	2006/07/04 13:50:00	438.00	0.54	1021	-0.66		
AFM001263	69	Wet forest	32	23.10	23.10	14.40	20.50	2006/07/05 07:44:00	514.00	1.55	1024	2006/07/05 07:46:00	507.00	2.67	1024	-1.12		
AFM001263	62	Wet forest	30	21.40	21.40	13.00	39.37	2006/07/05 07:49:00	504.00	7.89	1024	2006/07/04 07:51:00	520.00	4.15	1024	3.74		
AFM001263	65	Wet forest	35	21.60	21.60	14.70	23.03	2006/07/05 07:55:00	472.00	-0.64	1024	2006/07/05 07:58:00	453.00	0.25	1024	-0.89		
AFM001263	61	Wet forest	48	21.30	21.30	13.10	33.03	2006/07/05 08:09:00	458.00	0.86	1024	2006/07/05 08:12:00	460.00	0.76	1024	0.10		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_2 (mbar)	GPP ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	Snow depth (cm)	Comments
AFM001263	67	Wet forest	37	22.30	22.30	15.40	22.90	2006/07/05 08:15:00	425.00	0.06	1024	2006/07/05 08:19:00	410.00	0.18	1024	-0.12		
AFM001263	66	Wet forest	47	21.90	21.90	15.70	17.87	2006/07/05 08:23:00	459.00	0.53	1024	2006/07/05 08:26:00	435.00	0.55	1024	-0.02		
AFM001263	64	Wet forest	27	21.60	21.60	12.60	45.47	2006/07/05 08:29:00	448.00	0.60	1024	2006/07/05 08:32:00	470.00	0.51	1024	0.09		
AFM001263	68	Wet forest	33	21.30	21.30	14.30	24.93	2006/07/05 08:35:00	520.00	0.81	1024	2006/07/05 08:37:00	479.00	1.71	1024	-0.90		
AFM001263	60	Wet forest	34	21.20	21.20	13.30	44.63	2006/07/05 08:41:00	518.00	-0.06	1024	2006/07/05 08:44:00	487.00	0.51	1024	-0.57		
AFM001258	21	Spruce	80	21.90	21.90	14.10	13.23	2006/07/05 08:50:00	535.00	16.09	1024	2006/07/05 08:53:00	503.00	-0.61	1024	16.70		
AFM001258	20	Spruce	270	22.50	22.50	13.80	12.40	2006/07/05 08:55:00	458.00	6.66	1024	2006/07/05 08:57:00	461.00	0.92	1024	5.74		
AFM001258	28	Spruce	51	23.00	23.00	13.70	7.40	2006/07/05 09:00:00	432.00	0.65	1024	2006/07/05 09:03:00	409.00	0.73	1024	-0.08		
AFM001258	24	Spruce	90	23.20	23.20	13.40	11.27	2006/07/05 09:05:00	465.00	9.82	1024	2006/07/05 09:07:00	524.00	1.04	1024	8.78		
AFM001258	25	Spruce	42	22.90	22.90	13.70	13.23	2006/07/05 09:10:00	468.00	4.63	1024	2006/07/05 09:11:00	498.00	4.06	1024	0.57		
AFM001258	23	Spruce	459	24.30	24.30	13.10	11.00	2006/07/05 09:15:00	552.00	-0.12	1024	2006/07/05 09:17:00	470.00	0.55	1024	-0.67		
AFM001258	22	Spruce	49	25.30	25.30	13.90	11.97	2006/07/05 09:20:00	449.00	5.17	1024	2006/07/05 09:23:00	525.00	0.71	1024	4.46		
AFM001258	26	Spruce	753	26.40	26.40	13.80	17.83	2006/07/05 09:25:00	472.00	4.47	1024	2006/07/05 09:28:00	509.00	0.25	1024	4.22		
AFM001258	27	Spruce	55	27.00	27.00	14.30	12.10	2006/07/05 09:30:00	432.00	3.08	1024	2006/07/05 09:34:00	433.00	0.95	1024	2.13		
AFM001261	70	Clear-cut	80	23.00	23.00	13.30	12.43	2006/09/12 08:06:00	414.00	-0.19	1021	2006/09/12 08:09:00	466.00	5.01	1021	-5.20		
AFM001261	72	Clear-cut	296	20.40	20.40	13.20	22.17	2006/09/12 08:12:00	459.00	-1.54	1021	2006/09/12 08:14:00	481.00	1.10	1021	-2.64		
AFM001261	73	Clear-cut	403	21.20	21.20	13.00	14.73	2006/09/12 08:16:00	517.00	-0.61	1021	2006/09/12 08:20:00	500.00	1.30	1021	-1.91		
AFM001261	71	Clear-cut	965	23.00	23.00	13.20	13.57	2006/09/12 08:24:00	461.00	0.16	1021	2006/09/12 08:28:00	465.00	0.12	1021	0.04		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE (g CO ₂ / m ² ·h ⁻¹)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration (g CO ₂ / m ² ·h ⁻¹)	ATMP_2 (mbar)	GPP (g CO ₂ / m ² ·h ⁻¹)	Snow depth (cm)	Comments
AFM001261	74	Clear-cut	766	24.40	24.40	13.40	20.77	2006/09/12 08:29:00	588.00	-7.48	1021	2006/09/12 08:31:00	465.00	8.70	1021	-16.18		
AFM001261	75	Clear-cut	68	21.90	21.90	13.10	18.10	2006/09/12 08:33:00	532.00	5.11	1021	2006/09/12 08:35:00	532.00	8.54	1021	-3.43		
AFM001261	77	Clear-cut	318	19.70	19.70	13.10	12.87	2006/09/12 08:44:00	458.00	0.62	1021	2006/09/12 08:46:00	449.00	0.82	1021	-0.20		
AFM001261	78	Clear-cut	120	19.80	19.80	13.10	24.73	2006/09/12 08:48:00	473.00	2.16	1021	2006/09/12 08:50:00	490.00	1.59	1021	0.57		
AFM001263	69	Wet forest	24	20.20	20.20	14.10	19.83	2006/09/12 09:14:00	475.00	2.44	1021	2006/09/12 09:15:00	488.00	2.43	1021	0.01		
AFM001263	62	Wet forest	24	19.30	19.30	12.40	29.30	2006/09/12 09:19:00	544.00	1.03	1021	2006/09/12 09:22:00	447.00	0.51	1021	0.52		
AFM001263	65	Wet forest	25	18.20	18.20	12.80	16.00	2006/09/12 09:26:00	398.00	0.09	1021	2006/09/12 09:29:00	415.00	-0.20	1021	0.29		
AFM001263	63	Wet forest	21	18.30	18.30	12.10	42.83	2006/09/12 09:32:00	400.00	0.19	1021	2006/09/12 09:35:00	411.00	0.07	1021	0.12		
AFM001263	64	Wet forest	24	18.30	18.30	12.00	36.00	2006/09/12 09:39:00	423.00	0.28	1021	2006/09/12 09:42:00	447.00	0.31	1021	-0.03		
AFM001263	66	Wet forest	18	18.50	18.50	13.10	15.23	2006/09/12 09:46:00	390.00	-0.07	1021	2006/09/12 09:49:00	402.00	0.07	1021	-0.14		
AFM001263	67	Wet forest	29	18.70	18.70	13.00	20.00	2006/09/12 09:52:00	409.00	0.18	1021	2006/09/12 09:55:00	480.00	-0.05	1021	0.23		
AFM001263	61	Wet forest	20	18.60	18.60	12.50	27.63	2006/09/12 10:01:00	444.00	0.01	1021	2006/09/12 10:04:00	451.00	0.19	1021	-0.18		
AFM001263	60	Wet forest	42	19.50	19.50	12.50	34.87	2006/09/12 10:08:00	449.00	0.76	1021	2006/09/12 10:12:00	457.00	0.47	1021	0.29		
AFM001263	68	Wet forest	21	19.50	19.50	13.60	16.77	2006/09/12 10:15:00	435.00	0.89	1021	2006/09/12 10:19:00	409.00	0.74	1021	0.15		
AFM001262	46	Mire	463	26.90	26.90	13.00	62.93	2006/09/14 08:15:00	442.00	0.07	1021	2006/09/14 08:20:00	410.00	0.00	1021	0.07		
AFM001262	47	Mire	685	29.60	29.60	13.00	40.87	2006/09/14 08:24:00	414.00	0.05	1021	2006/09/14 08:26:00	374.00	2.55	1021	-2.50		
AFM001262	41	Mire	203	26.10	26.10	12.20	55.00	2006/09/14 08:30:00	440.00	0.02	1021	2006/09/14 08:33:00	437.00	0.80	1021	-0.78		
AFM001262	45	Mire	478	27.50	27.50	12.10	39.50	2006/09/14 08:40:00	397.00	-0.33	1021	2006/09/14 08:42:00	432.00	1.27	1021	-1.60		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	ATMP_2 (mbar)	GPP ($\text{g CO}_2/\text{m}^2\cdot\text{h}^{-1}$)	Snow depth (cm)	Comments
AFM001262	40	Mire	981	26.60	26.60	12.40	47.30	2006/09/14 08:45:00	446.00	1.94	1021	2006/09/14 08:48:00	456.00	0.22	1021	1.72		
AFM001262	42	Mire	716	27.00	27.00	12.80	40.47	2006/09/14 08:50:00	454.00	3.15	1021	2006/09/14 08:52:00	444.00	6.08	1021	-2.93		
AFM001262	43	Mire	487	29.20	29.20	12.40	50.17	2006/09/14 08:56:00	392.00	0.07	1021	2006/09/14 08:59:00	428.00	0.58	1021	-0.51		
AFM001262	44	Mire	381	29.50	29.50	13.00	61.47	2006/09/14 09:04:00	408.00	0.26	1021	2006/09/14 09:07:00	410.00	0.07	1021	0.19		
AFM001262	48	Mire	608	30.60	30.60	13.00	56.23	2006/09/14 09:11:00	399.00	0.10	1021	2006/09/14 09:14:00	408.00	0.18	1021	-0.08		
AFM001261	70	Clear-cut	37	11.40	11.40	9.70	30.90	2006/10/25 07:39:00	416.00	0.04	1003	2006/10/25 07:43:00	419.00	0.05	1003	-0.01		
AFM001261	72	Clear-cut	21	6.50	6.50	9.90	35.23	2006/10/25 07:47:00	470.00	0.50	1003	2006/10/25 07:48:00	481.00	-4.08	1003	4.58		
AFM001261	73	Clear-cut	45	5.20	5.20	9.90	25.43	2006/10/25 07:54:00	402.00	0.03	1003	2006/10/25 07:57:00	446.00	0.24	1003	-0.21		
AFM001261	71	Clear-cut	46	4.70	4.70	9.80	20.60	2006/10/25 08:03:00	402.00	0.06	1003	2006/10/25 08:06:00	425.00	0.04	1005	0.02		
AFM001261	74	Clear-cut	30	4.40	4.40	9.90	27.13	2006/10/25 08:10:00	434.00	-6.93	1003	2006/10/25 08:14:00	449.00	0.24	1005	-7.17		
AFM001261	76	Clear-cut	49	4.60	4.60	8.80	30.17	2006/10/25 08:28:00	453.00	-0.51	1005	2006/10/25 08:31:00	409.00	0.08	1005	-0.59		
AFM001261	77	Clear-cut	73	4.70	4.70	8.80	29.33	2006/10/25 08:37:00	433.00	0.16	1005	2006/10/25 08:40:00	425.00	0.23	1006	-0.07		
AFM001261	78	Clear-cut	45	4.70	4.70	9.80	29.00	2006/10/25 08:43:00	481.00	8.18	1005	2006/10/25 08:46:00	465.00	0.85	1006	7.33		
AFM001263	69	Wet forest	24	11.10	11.10	8.90	31.53	2006/10/25 10:55:00	486.00	0.67	1007	2006/10/25 10:57:00	467.00	0.62	1008	0.05		
AFM001263	62	Wet forest	27	6.70	6.70	9.20	27.87	2006/10/25 11:01:00	439.00	0.22	1008	2006/10/25 11:05:00	437.00	0.23	1008	-0.01		
AFM001263	65	Wet forest	29	5.00	5.00	9.20	33.13	2006/10/25 11:09:00	426.00	0.12	1008	2006/10/25 11:13:00	426.00	0.24	1008	-0.12		
AFM001263	63	Wet forest	26	4.70	4.70	9.20	34.40	2006/10/25 11:17:00	440.00	-0.10	1008	2006/10/25 11:20:00	411.00	0.02	1008	-0.12		
AFM001263	64	Wet forest	22	4.40	4.40	9.60	39.10	2006/10/25 11:25:00	416.00	0.21	1008	2006/10/25 11:28:00	417.00	0.23	1008	-0.02		

ID-code	Plot no.	PFT	PAR ($\mu\text{mol}/\text{m}^2\cdot\text{s}$)	Air temp. light ($^{\circ}\text{C}$)	Air temp. dark ($^{\circ}\text{C}$)	Soil temp ($^{\circ}\text{C}$)	Soil moisture (%)	Date_1	CO ₂ _ref_1 (ppm)	NEE (g CO ₂ / m ² ·h ⁻¹)	ATMP_1 (mbar)	Date_2	CO ₂ _ref_2 (ppm)	Respiration (g CO ₂ / m ² ·h ⁻¹)	ATMP_2 (mbar)	GPP (g CO ₂ / m ² ·h ⁻¹)	Snow depth (cm)	Comments
AFM001263	66	Wet forest	21	4.20	4.20	8.60	20.63	2006/10/25 11:33:00	393.00	0.07	1008	2006/10/25 11:37:00	444.00	0.12	1008	-0.05		
AFM001263	61	Wet forest	26	4.50	4.50	9.60	43.70	2006/10/25 11:52:00	436.00	0.06	1008	2006/10/25 11:55:00	430.00	0.22	1009	-0.16		
AFM001263	60	Wet forest	27	4.30	4.30	9.20	44.63	2006/10/25 11:59:00	429.00	0.12	1009	2006/10/25 12:04:00	418.00	0.05	1009	0.07		
AFM001263	68	Wet forest	29	4.00	4.00	9.70	27.67	2006/10/25 12:07:00	416.00	0.09	1009	2006/10/25 12:11:00	441.00	0.31	1009	-0.22		
AFM001262	46	Mire	88	9.40	9.40	6.90	51.00	2006/10/26 06:49:00	479.00	0.89	1014	2006/10/26 06:53:00	472.00	-0.02	1014	0.91		
AFM001262	47	Mire	85	4.30	4.30	7.50	84.00	2006/10/26 06:56:00	458.00	-0.55	1014	2006/10/26 07:00:00	455.00	-0.02	1014	-0.53		
AFM001262	41	Mire	104	2.70	2.70	7.50	98.30	2006/10/26 07:01:00	467.00	2.46	1014	2006/10/26 07:05:00	467.00	0.65	1014	1.81		
AFM001262	40	Mire	126	2.30	2.30	6.70	99.57	2006/10/26 07:08:00	421.00	-0.01	1014	2006/10/26 07:12:00	427.00	0.11	1014	-0.12		
AFM001262	42	Mire	107	1.70	1.70	7.50	98.57	2006/10/26 07:16:00	438.00	0.05	1014	2006/10/26 07:20:00	426.00	0.05	1014	0.00		
AFM001262	43	Mire	61	1.50	1.50	6.80	30.20	2006/10/26 07:23:00	429.00	0.13	1014	2006/10/26 07:26:00	458.00	-0.20	1014	0.33		

Appendix 2

Results from ground moisture measurements

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001257	2005-05-02	10	9.6	9.7	15.2	12.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-05-02	11	10.2	4.5	17.0	11.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-05-02	12	20.0	8.1	11.9	14.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-05-02	13	16.7	18.5	16.0	18.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-05-02	14	17.4	16.2	16.4	18.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-05-02	15	15.4	6.3	24.5	16.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-05-02	16	17.4	15.1	17.0	18.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-05-02	17	12.1	14.0	14.4	14.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-05-02	18	14.9	15.1	20.1	18.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-05-02	20	16.7	14.4	23.3	19.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-05-02	21	16.8	17.8	22.6	20.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-05-02	22	15.8	8.0	5.4	10.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-05-02	23	22.7	19.5	8.9	18.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-05-02	24	11.8	12.5	13.0	13.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-05-02	25	23.5	8.3	9.7	15.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001258	2005-05-02	26	17.4	16.5	12.0	16.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-05-02	27	21.2	11.8	16.9	18.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-05-02	28	13.0	3.5	16.0	11.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-05-02	30	4.7	3.2	4.1	4.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-05-02	31	6.3	10.8	8.1	9.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-05-02	32	8.1	5.5	9.7	8.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-05-02	33	9.9	13.8	2.9	9.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-05-02	34	1.2	3.4	5.1	3.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-05-02	35	11.7	5.6	8.0	9.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-05-02	36	0.7	3.6	1.8	2.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-05-02	37	7.2	4.2	3.6	5.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-05-02	38	7.0	20.0	14.4	15.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-06-13	10	32.2	36.3	31.2	36.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-06-13	11	20.9	19.7	27.2	24.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-06-13	12	17.2	22.0	27.5	24.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-06-13	13	18.3	23.6	23.8	23.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-06-13	14	24.0	25.3	25.5	27.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-06-13	15	19.2	22.3	22.9	23.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001257	2005-06-13	16	29.6	27.0	24.7	29.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-06-13	17	37.7	33.0	27.9	35.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-06-13	18	24.5	23.0	22.0	25.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-06-13	20	31.7	22.5	26.9	29.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-06-13	21	20.5	32.9	32.2	31.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-06-13	22	26.3	24.1	23.4	26.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-06-13	23	32.4	27.5	29.4	32.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-06-13	24	27.5	27.3	24.0	28.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-06-13	25	31.6	21.6	29.1	30.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-06-13	26	31.5	25.3	22.8	29.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-06-13	27	27.9	31.2	27.8	31.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-06-13	28	22.2	26.6	28.1	28.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-06-16	30	14.1	6.0	14.2	12.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-06-16	31	9.5	1.9	22.0	12.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-06-16	32	10.4	19.3	14.4	16.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-06-16	33	8.9	4.4	19.5	12.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-06-16	34	6.3	5.6	10.9	8.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-06-16	35	12.3	22.6	21.0	20.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001259	2005-06-16	36	5.6	8.7	11.8	9.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-06-16	37	23.1	24.0	15.5	22.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-06-16	38	15.5	14.5	13.6	15.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-06-16	50	34.2	32.9	32.7	36.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-06-16	51	32.7	31.8	33.7	35.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-06-16	52	31.0	38.2	38.9	39.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-06-16	53	35.1	37.0	39.0	40.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-06-16	54	30.2	34.5	31.7	35.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-06-16	55	27.3	25.5	20.7	26.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-06-16	56	39.2	39.8	39.3	43.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-06-16	57	42.9	44.3	47.7	49.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-06-16	58	41.2	37.8	36.0	41.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-02	10	21.6	20.4	20.9	22.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-02	11	15.1	16.9	13.8	16.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-02	12	18.0	5.6	10.2	12.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-02	13	11.7	18.5	10.0	14.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-02	14	21.3	23.5	20.4	23.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-02	15	25.7	21.0	22.6	25.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001257	2005-08-02	16	22.6	20.2	17.7	22.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-02	17	19.6	30.3	29.9	29.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-02	18	15.9	19.2	14.4	18.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-02	20	22.9	19.9	21.4	23.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-02	21	26.4	15.4	16.7	21.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-02	22	21.8	21.6	17.7	22.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-02	23	22.8	23.4	18.2	23.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-02	24	19.2	16.9	18.4	19.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-02	25	23.5	26.3	25.1	27.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-02	26	16.8	18.6	19.9	20.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-02	27	20.1	15.1	17.2	19.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-02	28	10.6	15.5	16.3	15.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-02	30	9.6	12.4	12.9	12.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-02	31	10.4	13.2	19.0	15.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-02	32	17.6	9.1	10.1	13.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-02	33	19.0	7.3	12.4	14.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-02	34	8.7	16.3	9.6	12.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-02	35	12.9	21.3	8.1	15.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001259	2005-08-02	36	4.9	7.7	5.0	6.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-02	37	19.6	19.2	18.2	20.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-02	38	17.2	26.5	19.2	22.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-02	50	26.9	29.4	29.1	31.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-02	51	34.1	39.4	33.7	39.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-02	52	31.1	32.3	29.1	33.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-02	53	29.5	31.5	28.7	32.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-02	54	23.6	20.3	24.6	25.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-02	55	37.2	38.3	38.4	41.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-02	56	33.1	25.8	27.5	31.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-02	57	46.0	42.2	47.6	49.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-02	58	38.3	35.2	31.8	38.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-24	10	9.8	13.7	15.2	14.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-24	11	7.7	9.5	7.3	8.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-24	12	9.2	4.3	8.0	7.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-24	13	5.0	13.4	7.9	9.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-24	14	16.7	13.4	2.0	11.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-24	15	11.1	14.4	2.5	10.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001257	2005-08-24	16	14.1	8.2	6.4	10.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-24	17	15.4	16.6	10.9	15.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-08-24	18	14.2	9.5	12.3	13.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-24	20	12.2	10.9	13.8	13.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-24	21	10.6	1.4	15.2	9.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-24	22	14.0	14.7	15.2	16.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-24	23	11.9	20.5	15.4	17.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-24	24	13.4	5.3	10.0	10.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-24	25	13.5	9.1	12.6	12.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-24	26	7.0	5.4	8.1	7.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-24	27	10.5	9.1	15.2	12.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-08-24	28	6.7	7.0	4.3	6.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-24	30	4.5	2.2	2.4	3.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-24	31	9.0	4.0	0.9	5.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-24	32	3.8	3.8	2.9	3.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-24	33	11.4	5.9	0.9	6.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-24	34	3.5	1.7	10.3	5.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-24	35	7.4	2.6	6.8	6.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001259	2005-08-24	36	1.0	2.1	2.5	2.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-24	37	9.2	16.4	9.0	12.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-08-24	38	0.1	4.7	5.9	3.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-24	50	24.6	22.8	23.2	25.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-24	51	37.8	35.3	33.4	38.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-24	52	26.3	28.2	23.3	28.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-24	53	23.9	22.3	22.4	25.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-24	54	18.8	14.4	19.7	19.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-24	55	31.7	29.7	38.4	36.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-24	56	16.7	21.1	15.9	19.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-24	57	31.0	33.6	38.5	37.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-08-24	58	25.2	22.5	26.0	26.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-09-30	20	8.5	8.5	8.8	9.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-09-30	21	13.1	11.2	15.0	14.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-09-30	22	11.3	10.2	10.6	11.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-09-30	23	10.9	6.7	11.1	10.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-09-30	24	8.7	7.9	14.4	11.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-09-30	25	9.8	10.8	8.5	10.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001258	2005-09-30	26	16.0	11.6	14.4	15.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-09-30	27	11.5	10.0	8.1	10.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-09-30	28	5.0	6.6	3.5	5.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-09-30	30	2.4	2.6	5.0	3.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-09-30	31	4.8	5.6	6.8	6.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-09-30	32	5.5	6.6	5.9	6.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-09-30	33	2.7	5.5	6.1	5.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-09-30	34	4.4	6.3	2.8	4.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-09-30	35	9.7	12.7	8.4	11.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-09-30	36	1.9	2.1	1.2	1.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-09-30	37	3.3	4.5	4.9	4.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-09-30	38	8.7	17.6	7.8	12.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-10-05	10	11.4	8.4	8.1	10.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-10-05	11	8.0	8.1	7.0	8.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-10-05	12	6.0	2.4	7.2	5.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-10-05	13	8.3	6.4	10.6	9.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-10-05	14	6.7	4.1	6.5	6.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-10-05	15	3.9	6.7	4.5	5.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001257	2005-10-05	16	13.6	13.4	13.3	14.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-10-05	17	4.7	6.2	8.7	7.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-10-05	18	6.4	7.9	6.2	7.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-10-05	50	11.7	13.0	8.7	12.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-10-05	51	31.3	37.1	33.7	37.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-10-05	52	13.0	11.1	11.0	12.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-10-05	53	13.7	13.9	10.6	13.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-10-05	54	10.9	14.9	16.2	15.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-10-05	55	27.3	30.3	32.0	32.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-10-05	56	12.3	10.5	13.2	13.1	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-10-05	57	18.0	15.2	16.0	17.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-10-05	58	14.9	14.4	14.3	15.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-12-09	30	15.8	14.7	9.6	14.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-12-09	31	10.3	10.5	7.1	10.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-12-09	32	14.8	17.6	18.7	18.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-12-09	33	17.9	19.1	8.3	16.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-12-09	34	10.4	9.6	8.7	10.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-12-09	35	6.6	13.1	6.4	9.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001259	2005-12-09	36	9.6	6.6	3.0	7.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-12-09	37	21.6	7.4	6.4	12.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2005-12-09	38	17.1	14.9	17.9	18.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-12-12	20	24.0	33.1	27.1	30.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-12-12	21	21.2	30.6	18.6	25.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-12-12	23	20.1	21.2	23.7	23.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001258	2005-12-12	25	27.3	30.4	30.3	32.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-12-14	50	25.8	26.1	23.8	27.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-12-14	51	31.1	28.8	34.4	34.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-12-14	52	31.6	30.1	28.4	32.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-12-14	53	32.1	31.5	30.3	34.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-12-14	54	24.4	15.4	25.9	23.9	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-12-14	55	33.2	39.5	31.6	38.0	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-12-14	56	20.6	24.5	21.7	24.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-12-14	57	43.5	28.4	35.9	39.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001260	2005-12-14	58	25.0	30.5	24.6	29.2	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-12-15	10	27.9	16.8	9.2	19.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-12-15	11	13.5	6.3	7.1	9.8	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001257	2005-12-15	12	8.8	8.9	11.6	10.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-12-15	13	8.3	15.9	12.5	13.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-12-15	14	13.4	18.3	27.6	21.6	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-12-15	15	13.9	17.5	11.0	15.5	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-12-15	16	21.7	17.4	11.2	18.3	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-12-15	17	16.2	19.4	13.1	17.7	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001257	2005-12-15	18	20.5	20.1	15.3	20.4	Mean value recalculated to correspond to organic soil (Ground moisture(organic) = 0.039 + 1.091·ground moisture(mineral))
AFM001259	2006-02-08	30	5.9	0.2	5.6	3.9	
AFM001259	2006-02-08	31	3.8	8.5	2.9	5.1	
AFM001259	2006-02-08	32	1.0	3.6	11.5	5.4	
AFM001259	2006-02-08	33	2.7	3.9	6.0	4.2	
AFM001259	2006-02-08	34	6.3	10.8	9.2	8.8	
AFM001259	2006-02-08	35	13.1	15.4	3.7	10.7	
AFM001259	2006-02-08	36	4.6	8.4	8.1	7.0	
AFM001259	2006-02-08	37	3.8	16.4	13.8	11.3	
AFM001259	2006-02-08	38	16.9	12.3	12.7	14.0	
AFM001257	2006-02-09	10	11.8	12.1	6.0	10.0	
AFM001257	2006-02-09	11	2.6	1.0	0.4	1.3	
AFM001257	2006-02-09	12	0.1	3.7	2.3	2.0	
AFM001257	2006-02-09	13	18.8	0.0	17.4	12.1	
AFM001257	2006-02-09	14	0.2	0.2	1.5	0.6	
AFM001257	2006-02-09	15	21.5	2.7	9.0	11.1	
AFM001257	2006-02-09	16	9.3	10.7	9.6	9.9	
AFM001257	2006-02-09	17	4.2	3.0	5.6	4.3	
AFM001257	2006-02-09	18	8.5	3.6	1.3	4.5	
AFM001258	2006-02-21	20	20.8	21.1	16.2	19.4	

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001258	2006-02-21	21	17.3	17.9	20.5	18.6	
AFM001258	2006-02-21	22	26.7	27.0	23.5	25.7	
AFM001258	2006-02-21	23	20.5	19.7	26.4	22.2	
AFM001258	2006-02-21	24	21.8	15.5	21.3	19.5	
AFM001258	2006-02-21	25	35.5	29.6	19.7	28.3	
AFM001258	2006-02-21	26	24.0	26.6	29.5	26.7	
AFM001258	2006-02-21	27	40.8	26.3	27.6	31.6	
AFM001258	2006-02-21	28	24.0	12.9	24.0	20.3	
AFM001260	2006-02-22	50	40.4	42.8	48.4	43.9	
AFM001260	2006-02-22	51	45.4	44.3	45.1	44.9	
AFM001260	2006-02-22	52	40.8	35.4	46.7	41.0	
AFM001260	2006-02-22	53	42.6	23.8	46.0	37.5	
AFM001260	2006-02-22	54	29.5	37.7	33.4	33.5	
AFM001260	2006-02-22	55	48.4	45.2	49.3	47.6	
AFM001260	2006-02-22	56	34.6	35.2	34.4	34.7	
AFM001260	2006-02-22	57	44.5	42.0	41.1	42.5	
AFM001260	2006-02-22	58	42.4	42.0	46.3	43.6	
AFM001262	2006-03-01	40					Measurement of ground moisture not possible due to ground frost or ice
AFM001262	2006-03-01	41					Measurement of ground moisture not possible due to ground frost or ice
AFM001262	2006-03-01	42					Measurement of ground moisture not possible due to ground frost or ice
AFM001262	2006-03-01	43					Measurement of ground moisture not possible due to ground frost or ice
AFM001262	2006-03-01	44					Measurement of ground moisture not possible due to ground frost or ice
AFM001262	2006-03-01	45					Measurement of ground moisture not possible due to ground frost or ice
AFM001262	2006-03-01	46					Measurement of ground moisture not possible due to ground frost or ice
AFM001262	2006-03-01	47					Measurement of ground moisture not possible due to ground frost or ice
AFM001262	2006-03-01	48					Measurement of ground moisture not possible due to ground frost or ice
AFM001261	2006-03-02	70	30.8	18.5	26.6	25.3	
AFM001261	2006-03-02	71	48.4	12.7	9.0	23.4	
AFM001261	2006-03-02	72	33.9	34.5	39.3	35.9	
AFM001261	2006-03-02	73	4.3	7.7	7.1	6.4	
AFM001261	2006-03-02	74	27.8	25.4	34.0	29.1	
AFM001261	2006-03-02	75	6.6	4.1	2.9	4.5	

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001261	2006-03-02	76	6.1	8.4	32.7	15.7	
AFM001261	2006-03-02	77	3.6	7.0	16.6	9.1	
AFM001261	2006-03-02	78	6.1	8.6	5.7	6.8	
AFM001263	2006-03-23	60					Ground covered by water
AFM001263	2006-03-23	61	30.8	69.8	59.6	53.4	
AFM001263	2006-03-23	62					Ground covered by water
AFM001263	2006-03-23	63					Ground covered by water
AFM001263	2006-03-23	64					Ground covered by water
AFM001263	2006-03-23	65	0.8	0.7	0.4	0.6	
AFM001263	2006-03-23	66	0.4	5.6	2.3	2.8	
AFM001263	2006-03-23	67	2.5	3.3	3.7	3.2	
AFM001263	2006-03-23	68	5.8	3.3	0.9	3.3	
AFM001263	2006-03-23	69					Measurement of ground moisture not possible due to ground frost or ice
AFM001257	2006-05-16	10	16.2	15.5	14.3	15.3	
AFM001257	2006-05-16	11	13.5	13.2	12.4	13.0	
AFM001257	2006-05-16	12	8.3	6.5	6.9	7.2	
AFM001257	2006-05-16	13	14.2	10.3	10.1	11.5	
AFM001257	2006-05-16	14	16.3	12.3	15.0	14.5	
AFM001257	2006-05-16	15	14.9	13.6	15.4	14.6	
AFM001257	2006-05-16	16	12.2	14.1	13.9	13.4	
AFM001257	2006-05-16	17	11.7	11.8	16.0	13.2	
AFM001257	2006-05-16	18	10.3	12.9	11.8	11.7	
AFM001259	2006-05-16	30	12.6	6.5	9.7	9.6	
AFM001259	2006-05-16	31	9.7	10.9	7.8	9.5	
AFM001259	2006-05-16	32	9.8	10.4	12.6	10.9	
AFM001259	2006-05-16	33	10.3	9.6	12.1	10.7	
AFM001259	2006-05-16	34	9.8	5.3	7.1	7.4	
AFM001259	2006-05-16	35	12.7	6.7	9.8	9.7	
AFM001259	2006-05-16	36	7.8	6.6	9.8	8.1	
AFM001259	2006-05-16	37	9.8	12.8	11.1	11.2	
AFM001259	2006-05-16	38	11.3	14.2	16.3	13.9	
AFM001262	2006-05-17	40					Measurement plot not found

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001262	2006-05-17	41	100.0	100.0	100.0	100.0	
AFM001262	2006-05-17	42	100.0	100.0	100.0	100.0	
AFM001262	2006-05-17	43	9.5	4.8	10.3	8.2	
AFM001262	2006-05-17	44	100.0	100.0	100.0	100.0	
AFM001262	2006-05-17	45	100.0	100.0	100.0	100.0	
AFM001262	2006-05-17	46	97.3	100.0	100.0	99.1	
AFM001262	2006-05-17	47	100.0	100.0	100.0	100.0	
AFM001262	2006-05-17	48					Measurement plot not found
AFM001263	2006-05-17	60	100.0	100.0	100.0	100.0	
AFM001263	2006-05-17	61	100.0	100.0	100.0	100.0	
AFM001263	2006-05-17	62	100.0	100.0	100.0	100.0	
AFM001263	2006-05-17	63	100.0	100.0	100.0	100.0	
AFM001263	2006-05-17	64	100.0	100.0	100.0	100.0	
AFM001263	2006-05-17	65	30.0	31.5	29.8	30.4	
AFM001263	2006-05-17	66	29.4	23.3	24.6	25.8	
AFM001263	2006-05-17	67	24.9	41.2	18.6	28.2	
AFM001263	2006-05-17	68	41.2	31.0	36.9	36.4	
AFM001263	2006-05-17	69	45.0	58.2	55.0	52.7	
AFM001258	2006-05-30	20	25.4	21.7	25.6	24.2	
AFM001258	2006-05-30	21	32.1	22.1	32.1	28.8	
AFM001258	2006-05-30	22	30.0	26.3	23.7	26.7	
AFM001258	2006-05-30	23	27.1	22.2	21.0	23.4	
AFM001258	2006-05-30	24	16.6	19.7	19.8	18.7	
AFM001258	2006-05-30	25	29.2	24.7	24.5	26.1	
AFM001258	2006-05-30	26	25.7	21.6	35.0	27.4	
AFM001258	2006-05-30	27	28.6	35.7	31.2	31.8	
AFM001258	2006-05-30	28	13.7	3.8	16.3	11.3	
AFM001260	2006-06-01	50	35.4	35.8	29.3	33.5	
AFM001260	2006-06-01	51	39.4	30.4	42.4	37.4	
AFM001260	2006-06-01	52	35.2	39.4	36.6	37.1	
AFM001260	2006-06-01	53	35.7	41.0	40.6	39.1	
AFM001260	2006-06-01	54	24.8	29.3	28.9	27.7	

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001260	2006-06-01	55	35.9	40.0	41.7	39.2	
AFM001260	2006-06-01	56	33.2	26.5	29.6	29.8	
AFM001260	2006-06-01	57	32.7	44.0	42.5	39.7	
AFM001260	2006-06-01	58	39.5	29.8	37.2	35.5	
AFM001259	2006-07-04	30	4.5	2.6	4.3	3.8	
AFM001259	2006-07-04	31	5.3	5.6	4.4	5.1	
AFM001259	2006-07-04	32	7.8	6.5	6.8	7.0	
AFM001259	2006-07-04	33	7.4	6.6	8.8	7.6	
AFM001259	2006-07-04	34	4.9	7.3	4.5	5.6	
AFM001259	2006-07-04	35	6.5	9.2	8.1	7.9	
AFM001259	2006-07-04	36	1.7	2.3	1.0	1.7	
AFM001259	2006-07-04	37	3.3	4.6	9.6	5.8	
AFM001259	2006-07-04	38	7.5	5.5	10.4	7.8	
AFM001261	2006-07-04	70	1.2	6.7	2.6	3.5	
AFM001261	2006-07-04	71	0.3	0.6	1.2	0.7	
AFM001261	2006-07-04	72	8.3	8.8	5.9	7.7	
AFM001261	2006-07-04	73	10.5	8.9	12.7	10.7	
AFM001261	2006-07-04	74	9.6	9.0	7.2	8.6	
AFM001261	2006-07-04	75	8.8	16.0	12.9	12.6	
AFM001261	2006-07-04	76	5.9	12.0	6.1	8.0	
AFM001261	2006-07-04	77	10.0	5.9	15.1	10.3	
AFM001261	2006-07-04	78	15.1	6.9	6.5	9.5	
AFM001258	2006-07-05	20	8.1	10.7	18.4	12.4	
AFM001258	2006-07-05	21	13.4	12.9	13.4	13.2	
AFM001258	2006-07-05	22	13.1	9.5	13.3	12.0	
AFM001258	2006-07-05	23	11.2	12.4	9.4	11.0	
AFM001258	2006-07-05	24	11.8	9.2	12.8	11.3	
AFM001258	2006-07-05	25	13.1	13.7	12.9	13.2	
AFM001258	2006-07-05	26	19.9	16.7	16.9	17.8	
AFM001258	2006-07-05	27	11.1	12.8	12.4	12.1	
AFM001258	2006-07-05	28	9.4	8.3	4.5	7.4	
AFM001263	2006-07-05	60	48.1	48.2	37.6	44.6	

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001263	2006-07-05	61	30.1	38.1	30.9	33.0	
AFM001263	2006-07-05	62	26.5	45.8	45.8	39.4	
AFM001263	2006-07-05	63	22.6	27.8	35.0	28.5	
AFM001263	2006-07-05	64	51.8	48.6	36.0	45.5	
AFM001263	2006-07-05	65	19.6	26.9	22.6	23.0	
AFM001263	2006-07-05	66	17.7	18.3	17.6	17.9	
AFM001263	2006-07-05	67	30.9	17.0	20.8	22.9	
AFM001263	2006-07-05	68	30.5	24.1	20.2	24.9	
AFM001263	2006-07-05	69	24.3	23.3	13.9	20.5	
AFM001261	2006-09-12	70	14.8	15.9	6.6	12.4	
AFM001261	2006-09-12	71	15.5	11.0	14.2	13.6	
AFM001261	2006-09-12	72	21.0	20.3	25.2	22.2	
AFM001261	2006-09-12	73	12.2	12.8	19.2	14.7	
AFM001261	2006-09-12	74	21.5	21.5	19.3	20.8	
AFM001261	2006-09-12	75	14.6	23.3	16.4	18.1	
AFM001261	2006-09-12	76	15.2	10.8	12.6	12.9	
AFM001261	2006-09-12	77	17.7	23.9	32.6	24.7	
AFM001261	2006-09-12	78	28.1	21.2	23.7	24.3	
AFM001263	2006-09-12	60	37.9	35.1	31.6	34.9	
AFM001263	2006-09-12	61	27.0	27.0	28.9	27.6	
AFM001263	2006-09-12	62	26.4	32.7	28.8	29.3	
AFM001263	2006-09-12	63	36.9	49.7	41.9	42.8	
AFM001263	2006-09-12	64	32.5	42.3	33.2	36.0	
AFM001263	2006-09-12	65	24.3	9.2	14.5	16.0	
AFM001263	2006-09-12	66	13.7	16.5	15.5	15.2	
AFM001263	2006-09-12	67	15.6	25.9	18.5	20.0	
AFM001263	2006-09-12	68	16.5	18.4	15.4	16.8	
AFM001263	2006-09-12	69	17.0	14.5	28.0	19.8	
AFM001262	2006-09-14	40	45.7	31.5	64.7	47.3	
AFM001262	2006-09-14	41	35.3	41.4	88.3	55.0	
AFM001262	2006-09-14	42	39.1	40.9	41.4	40.5	
AFM001262	2006-09-14	43	71.6	43.0	35.9	50.2	

ID-code	Date	Plot no.	Meas. #1 (%)	Meas. #2 (%)	Meas. #3 (%)	Soil moisture mean (%)	Comment
AFM001262	2006-09-14	44	42.9	98.9	42.6	61.5	
AFM001262	2006-09-14	45	40.6	37.7	40.2	39.5	
AFM001262	2006-09-14	46	50.2	94.3	44.3	62.9	
AFM001262	2006-09-14	47	36.8	43.7	42.1	40.9	
AFM001262	2006-09-14	48	40.2	62.9	65.6	56.2	
AFM001261	2006-10-25	70	35.2	27.4	43.4	35.3	
AFM001261	2006-10-25	71	15.2	27.3	19.3	20.6	
AFM001261	2006-10-25	72	33.6	38.6	33.5	35.2	
AFM001261	2006-10-25	73	21.0	21.5	33.8	25.4	
AFM001261	2006-10-25	74	23.7	27.7	30.0	27.1	
AFM001261	2006-10-25	75	36.5	30.0	24.0	30.2	
AFM001261	2006-10-25	76	25.6	34.8	27.6	29.3	
AFM001261	2006-10-25	77	27.4	31.5	28.1	29.0	
AFM001261	2006-10-25	78	36.3	43.0	39.0	39.4	
AFM001263	2006-10-25	60	47.5	43.6	42.8	44.6	
AFM001263	2006-10-25	61	46.0	38.5	46.6	43.7	
AFM001263	2006-10-25	62	39.6	20.9	23.1	27.9	
AFM001263	2006-10-25	63	31.4	43.0	28.8	34.4	
AFM001263	2006-10-25	64	34.2	38.9	44.2	39.1	
AFM001263	2006-10-25	65	34.7	32.5	32.2	33.1	
AFM001263	2006-10-25	66	14.4	21.9	25.6	20.6	
AFM001263	2006-10-25	67	25.4	28.6	29.0	27.7	
AFM001263	2006-10-25	68	29.5	31.2	33.9	31.5	
AFM001263	2006-10-25	69	30.4	32.8	29.5	30.9	
AFM001262	2006-10-26	40	100.0	100.0	98.7	99.6	
AFM001262	2006-10-26	41	98.7	96.9	99.3	98.3	
AFM001262	2006-10-26	42	95.7	100.0	100.0	98.6	
AFM001262	2006-10-26	43	28.1	41.2	21.3	30.2	
AFM001262	2006-10-26	46	52.5	53.8	46.7	51.0	
AFM001262	2006-10-26	47	55.6	96.4	100.0	84.0	