

1st CarboEurope-IP Meeting
WP 1.2 Quality Assurance

Recommendations for Eddy-Covariance Measurements

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Spoleto, Italy
Jan. 19 -22, 2004



Recommendations

NEW

1. All fluxes should be computed by block averaging over 30 minutes.

NEW

2. Ogives should be used to diagnose the length of time necessary to capture low frequency flux components. -facultative-

3. Obtain, keep and maintain all raw data records.

NEW

4. Scaling fluxes to close the energy balance is not recommended.



Recommendations

NEW

5. The planar fit coordinate system is the preferred coordinate system:

forest sites: planar fit !

crop and grassland sites: double rotation !

6. Correction of high frequency spectral losses.

7. The WPL term must be used.



Recommendations

NEW

8. QA/QC flagging

Flag 1: Data of highest quality

Flag 2: Data good enough for daily/monthly sums

Flag 3: Data should be replaced by gap filling

Software will be made available by the Univ. of Bayreuth up to Febr. 10, 2004

Corresponding absolute/relative error to the flags will be made available by the Univ. of Bayreuth at least up to the end of 2004



Recommendations

NEW

9. Footprint check of all sites

Check of all forest sites by the Univ. of Bayreuth (analogue to the 18 available sites) according the proposed timetable in 2004 (Information March 2004, data sets needed: Aug. 2004)

Preparation of a table to classify the crop and grassland sites by the Univ. of Bayreuth.



Information

All workshop presentations are available next Monday on:

<http://www.bitoeck.uni-bayreuth.de/mm/>

links: Research + Fields of Research + QA/QC:

<http://www.bitoeck.uni-bayreuth.de/mm/>

[en/forschung/proj/detail.php?id_obj=17475](http://www.bitoeck.uni-bayreuth.de/mm/en/forschung/proj/detail.php?id_obj=17475)

Presently also from NEWS

Link will also be available from CarboEurope homepage

Mailing list will be created



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