

Contents of toolbox

- ☐ Compass
- ☐ Clinometer
- ☐ GPS + spare batteries
- ☐ Measuring tape
- ☐ Camera + spare batteries
- ☐ Binoculars
- ☐ Multi-purpose tool, tape
- ☐ WAsP forms and checklist
- ☐ Pocket calculator
- ☐ Wristwatch or other
- ☐ Notebook, pencil & eraser

Before departure

- ☐ Topographical maps
- ☐ Site magnetic declination
- ☐ Check GPS datum setting
- ☐ Set wristwatch + PC clock
- ☐ Summaries of wind statistics
- ☐ Station manual checked
- ☐ Installation report checked
- ☐ Key to station enclosure/padlock

Upon arrival

- ☐ Weather observations
- ☐ Data Acquisition System check
- ☐ General inspection of station

Station location

- ☐ Map characteristics
- ☐ Geographical coordinates
- ☐ Grid coordinates
- ☐ Site elevation
- ☐ Convergence

Station description

- ☐ Photos of station + instruments
- ☐ Sector photographs
- ☐ Mast characteristics
- ☐ Boom characteristics
- ☐ Top pole characteristics
- ☐ Sensor heights a.g.l.
- ☐ Sensor type, make and serial no.
- ☐ Channel allocation checked
- ☐ Cabling and plugs checked
- ☐ System voltage measured
- ☐ Exchange of data storage
- ☐ Exchange of batteries

Before you leave...

- ☐ Calibrated data vs. observations?
- ☐ Toolbox contents complete?
- ☐ Data Storing Unit packed?
- ☐ Station enclosure locked?
- ☐ Garbage etc. collected?

WAsP**Site Description Form**

Name of site/station:

Visited by:

Date:

Geographical reference

Map title:

Sheet ID:

Map date:

Magnetic declination:

Map projection:

Map datum:

Convergence:

GPS datum:

Site latitude:

Site longitude:

Site X:

m

Site Y:

m

Site Z:

m a.s.l.

Anemometer set-up

Anemometer height:

m a.g.l.

Type/make:

Boom direction:

Boom length:

Mast type:

Mast dimensions:

Site/station visit check list☐ Anemometer height(s) verified☐ Sector photographs: 8 or 12 sectors☐ Station history investigated☐ Mast and instrument photographs☐ Data Acquisition System checked☐ DAS clock checked, offset:**Additional information** (continue on reverse side)

WAsP**Station Description Form**

Name of met. station:

Visited by:

Date/time:

☐ Site description form completed☐ Station and sector photographs**Data Acquisition System**

Type:

Serial/ref. #:

Scanning interval:

Start time:

LST/ UT

Channel allocation

#	Parameter	Sensor	Serial #	Cable #	Boom	m a.g.l.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Additional information (continue on reverse side)

WAsP

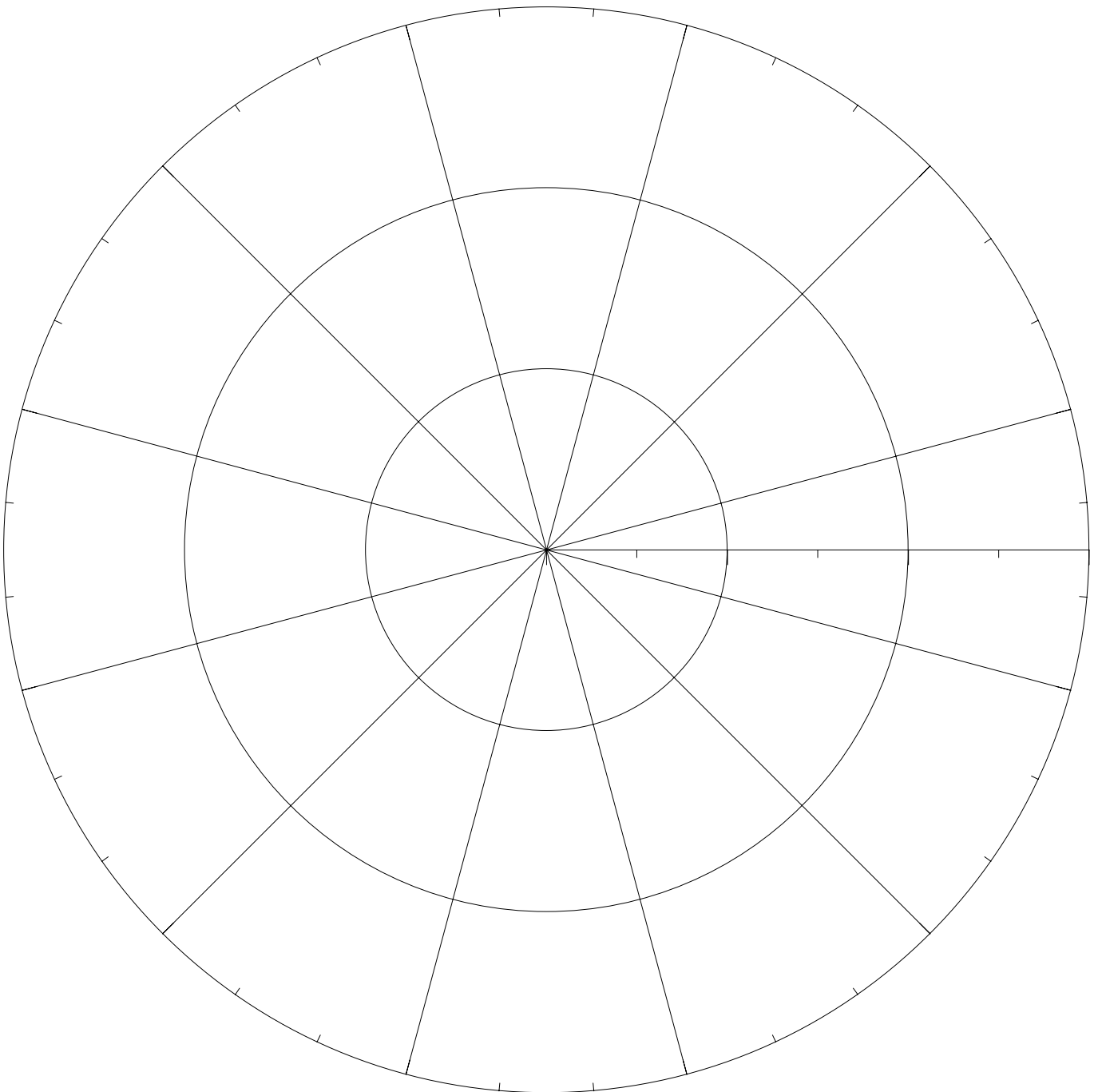
Site Sketch Map

Name of site/station:

Drawn by:

Date:

Site sketch map



WAsP**Site sector photographs**

Name of site/station:

Taken by:

Date:

Sector photographs (1 of 2)

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N (000°)

NNE (030°)

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ENE (060°)

E (090°)

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ESE (120°)

SSE (150°)

WAsP**Site sector photographs**

Name of site/station:

Taken by:

Date:

Sector photographs (2 of 2)

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S (180°)

SSW (210°)

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WSW (240°)

W (270°)

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WNW (300°)

NNW (330°)

WAsP**Obstacle Description Form**

Name of site:

Visited by:

Date:

#	α_1	R_1	α_2	R_2	H	d	P	Comments

Note: α_1 and α_2 are given in degrees clockwise from north and R_1 , R_2 , h and d in metres.

WAsP**Roughness Description Form**

Name of site:

Visited by:

Date:

Roughness rose

#	D	z_{01}	X_1	z_{02}	X_2	z_{03}	Comments
1	000						
2	030						
3	060						
4	090						
5	120						
6	150						
7	180						
8	210						
9	240						
10	270						
11	300						
12	330						

Note: z_0 and X are given in metres. Roughness descriptions may also be given in the map.

Additional information

Name of met. station:

Visited by:

Date:

Sensor Scanning Unit #:

Data Storing Unit #:

Set your wrist-watch to the exact time before leaving for the station visit!

1. Wait for the next scanning of the data-logger and write down the date and exact time for the start of this scan:

Date (DD/MM/YY):

Time (hh:mm:ss):

2. Switch data-logger power off (POWER switch to "OFF" position).
3. Change the Data Storing Unit. New DSU unit is serial #: _____
4. Change the battery pack – if required. Voltage is now: _____
5. Switch data-logger power on – exactly on minute 05, 15, 25, 35, 45 or 55 past the hour – if the scanning interval is 10 min (POWER switch to "ON" position).
6. Write the date and time for the start of the first scan on the new DSU, i.e. the time corresponding to (5).

Date (DD/MM/YY):

Time (hh:mm:ss):

7. Send the old Data Storing Unit (or the extracted data) and this DSU report to the data recipient. If possible, keep a copy of the report and the raw data for backup and future reference. Note, that the times given above are:

<input type="checkbox"/> UTC (GMT)

<input type="checkbox"/> Local Time

<input type="checkbox"/> Other:

Additional information

Name of station:	Location:
System owner:	System type:
Contact person:	System serial / reference #:

Date	Time	Event	Observations	Actions	Comments	ID

Name of met. station:

Prepared by:

Date:

Data file reference

File name:

Data period:

of observations:

Data recovery rate:	pct.
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Data format:

Columns for U and D :

Wind speed data

Observation interval:

min.

Averaging period:

min.

Calm threshold:

Calm indication:

Discretisation:

Missing data flag:

Wind direction data

<input type="checkbox"/> Relative to geographic north

<input type="checkbox"/> Relative to magnetic north

Observation interval:

min.

Averaging period:

min.

Calm threshold:

Calm indication:

Discretisation:

Missing data flag:

Additional information (continue on reverse side)