

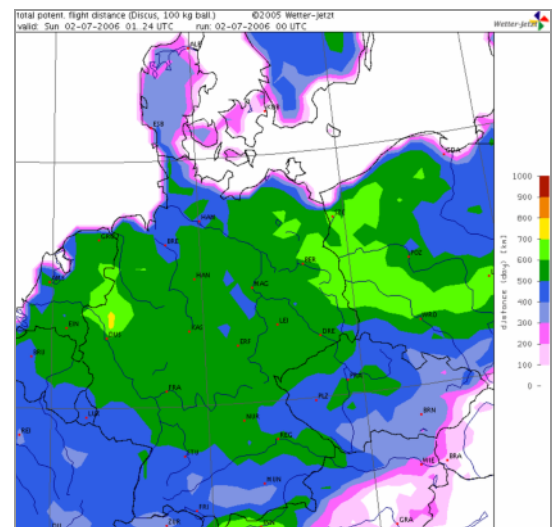
PFD-Alarm

Convective outlook per SMS

Wetter-Jetzt calculates the **Potential Flight Distance for gliders** for thousands of spots in Europe by using a complex weather model. The parameter reflects the thermal conditions of one day by converting the calculated **lift strength and cloud base** via the McCready-Theory into an hourly flight distance. **In addition to insolation, cloud amount, soil type, vegetation and other basis parameters disruptive factors like shower and thunderstorm, spread, shielding and wind are included into the complex calculation.** This compressed parameter offers a **good estimation of the potential flight distance** by summing up a convective day.

The results of the calculations are available on your **mobile phone**. You can **easily configure** this service by choosing **up to six areas** and your personal pilot factor as well as your airplane. Therefore you will get exactly the information you really need.

For being able to deliver the information you have to set up a credit on your prepaid-account at Wetter-Jetzt. **For each SMS your account will be charged with 0,49 €.** Please consider that we cannot control the mobile phone numbers and therefore you have to bear the costs for it. You can fill up your account by using the navigation "subscribing & paying".



Example for PFD – Potential Flight Distance

We will only send a message when certain conditions are fulfilled. **A message will be send when in one of the maximum six areas the PFD-value (consisting of threshold, pilot factor and airplane index) is exceeded.** For setting-up our new service you can choose between two configuration sites. Below we explain the set-up possibilities:

Individual set-up possibilities

Service activated?

By choosing this item the information process is activated. After first-time activation you will receive a confirmation-SMS on the quoted mobile phone number for checking it. You can deactivate the service at any time.

Holidays

Just specify when you will be on holidays without your glider. The service is interrupted for the quoted period and starts again when you will be back. If you are on holidays with your glider you can adapt the PFD-Alarm to your holiday area by using the button "change area".

Cash limit

You would like to spend only a defined amount of your prepaid-account for our new service? Just determine an individual cost limit here. If you would like to deallocate a new amount you can reset the spent amount. Without a limit you will receive our service as long as your total amount is spent.

Mobile phone number

Please enter your mobile phone number here. Messages cannot be sent to landline numbers. As the service is available in whole Europe you have to enter your phone number including the international prefix 0044 for Great Britain (for example). If you don't get a confirmation SMS after the first activation please control the entry of correctness.

Weekdays

You only get the forecasts for your defined weekdays. You are professionally occupied and cannot fly during the week? Just choose the weekend for getting the required information. Concerning a flying holiday you can activate other days.

Pilot factor

Here you can define your personal rating. We recommend values from 70, 80 for beginners, 90, 100 for practised gliders and 110, 120 for professionals.

Airplane index

Please enter here your airplane index factor, for example 106 for the LS 4.

PFD-ALARM!
Sat 12.05.2007
Cambr_S=496km/4cu18
Cambr_N=512km/3Cu21
Cotswold=320km/BL14
Hereford=485km/2cu19
Shrewsbr=399km/2cu15
Birmingh=615km/3Cu26

Example for SMS

Individual set-up possibilities

Forecasts for

Wetter-Jetzt calculates the PFD for today, tomorrow and the day after tomorrow. You can choose your favoured information time as well. The forecast for today is available from 05.00 o'clock (UTC) in the morning. The forecast will be recalculated every hour and therefore you can choose a time nearby your possible starting time to be up to date.

For time scheduling it is advisable to activate the alarm for tomorrow and the day after tomorrow. Depending on your occupational situation you can choose the information time: for example early in the afternoon you can perhaps adjust a date.

Regions

You can choose six areas for the PFD-Alarm. If you have activated JavaScript (it's the basic setting of your web browser) you can click on the maps and the coordinate of your click point will be transferred. But before, you have to activate the line for the area you want to edit by clicking in the round section at the left site. Without JavaScript you have to enter the coordinates manually. Afterwards you have to name the area (space for eight signs). Then just define a threshold for each area as from you want to be informed. Wetter-Jetzt calculates the PFD for these areas and includes the calculated glider index and your personal pilot factor. You will receive a SMS when the quoted threshold is exceeded. In addition to the name of the area and the PFD for the whole forecast day the weather of the current day is shown at 13.00 UTC. The values of the PFD are tripartitely:

1. Cloud amount divided into eight pieces
2. Clouds or weather (see chart)
3. Cloud base in hecto meter

Hereford=485km/2cu19 means: there is a PFD of 496 km at Hereford. At 13.00 UTC there is 2/8 small cumulus with a cloud base of 1.900 m above sea level.

Note: For the comparison with our forecast charts of PFD (Discus with index 108) the following calculation specification has to be considered:

$\text{Chart_PFD} * \text{pilot factor} * \text{glider index} / 108 = \text{individual PFD}$

Tip:

You would like to extend your season? Just reduce the threshold to smaller km-data in spring and autumn. Then you will receive your information in these seasons as well.

nil	no thermals
BL	blue thermals
cu	small cumulus
Cu	cumulus
CU	cumulus congestus
Cb	cumulonimbus
Ts	thunderstorm
TS	heavy thunderstorm
ra	rain
RA	heavy rain
sh	shower
SH	heavy shower
fr	freezing rain
FR	heavy freezing rain
sn	snow
SN	heavy snow
sr	snow & rain
SR	heavy snow & rain