

Minutes of the

CIA Special Tracking Working Group

2004 Composition:

Weber Claude, active member
Martine Besnainou, active member
Markus Blaha, active member
Gerald Stürzlinger, chairman

Wednesday, 10th of March 2004

The Special Working Group on Tracking followed the development of GPS logging and GPS tracking over the years. Some of the contributing members were part of the logger or tracker teams at various competitions.

To summarise and collect the experience, the WG produced 4 artefacts to demonstrate the current state in this field.

The original name "tracking" seems to focus only on *live tracking*, but the field has been widened to also consider:

Logging (recording of the flight track) which leads to

Track analysis after the flight, either for

Visualisation (to meet media needs) and also for

Technical analysis (that could lead to gaining results based on GPS tracks, commonly referred to GPS scoring)

Conclusion and report on the work

- a) Presentation of an Example of GPS Logger use (Martine Darling)
- b) The Guidelines Document (Weber Claude)
- c) Status Report Document (Gerald Stürzlinger)
- d) Presentation of a state-of-the-art visualisation software:
CompeGPS Air of CompeGPS, Spain – given by Uwe Schneider

The presentation gives a quick overview of one commonly used GPS logging system and how it will work in a competition.

The Status Report on GPS Logging & Tracking summarizes the current state and knowledge of this technology. GPS logging and live tracking is being used in a lot of competitions with success. Apart from the evolving GPS devices more advancement is to be expected in the field of Software for Analysis of the flights.

The Guidelines provide the necessary hands-on information to run the GPS logging successfully at an event.

The CompeGPS Air software is a proof of current technology available; the software developers (being glider pilots themselves) are very reactive to the input from the ballooning community.

MOTION: The 'Guidelines for the use of GPS loggers in ballooning competitions' are accepted as an advisory CIA document.