

# Virtual Balloon Distance Race

If you are young and want to develop the project with us, meet us at [DINA.international](https://www.dina-international.com/)



## First idea of the rules

- Competition area: Member States of the EASA: [EASA Member States](#).
- Flights outside the competition area are permitted, but only measuring points within the competition area will be scored for the end of the flight.
- Maximum duration: 80 hours
- Trajectories must not start higher than 5500m.
- Different part of the flight: 3 (part means a new calculation with a new altitude).
- Trajectories must be submitted by the 2nd midnight (UTC) following the start for the first part, by the 3rd midnight (UTC) following the start for the second part, and by the 4th midnight (UTC) following the start for the third part.
- End of flight measurement points only count between sunrise and sunset.
- Only teams can take part. A team consists of more than one person.
- The virtual race is supervised by the members of the [Virtual Balloon Distance Race](#) project within the group [Ballaeron - Ballooning Youth Exchange International](#).
- The files of the trajectories should be sent to the following e-mail address: TBA

## Howto

[Create virtual balloon flight](#)

## Related projects

- [Aerolabo](#)
- [DEBalloon&Media](#)

# Blog

## 2021/04/06 Trajectories flown by balloons in real life

Here are a few examples of balloon flights that really took place.

### Gordon-Bennett-Race 2006 Waasmunster

Flight of the team Tomas Hora and Volker Löschhorn<sup>1)</sup>:



gordon2006hora-loeschhorn.kmz

### From Marl to Romania Easter 2007

Three teams flew from Marl in Germany to Romania. The highlight was the crossing of the Carpathian Mountains.

- HB-QHJ Kurt Frieden / Stefan Zeberli
- D-OWNT Dominik Hageney / Christoph Almodt
- D-OWBA Tomas Hora / Volker Löschhorn

2007\_04\_06\_dowba\_downt\_hbqhj.kmz

### Gordon-Bennett-Race 2008 Albuquerque

Flight of the team Tomas Hora and Volker Löschhorn from Albuquerque to Missouri.

oh-eni2008gordon.kmz

## Gordon-Bennett-Race 2009 Geneva

Flight of the Team Tomas Hora and Volker Löschorh from Geneva to Menorca.

dostz2009gordon.kmz

## Stuttgart-Bacau September 2011

Flight of the team Tomas Hora / Volker Löschorh from Stuttgart (Germany) to Bacău (Romania).

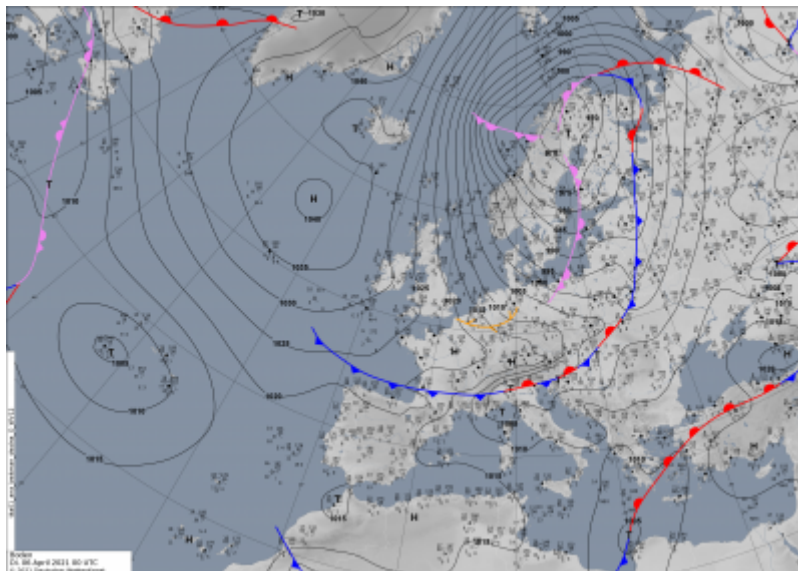
dostz2011stuttgart-bacau.kmz

## 2021/04/06

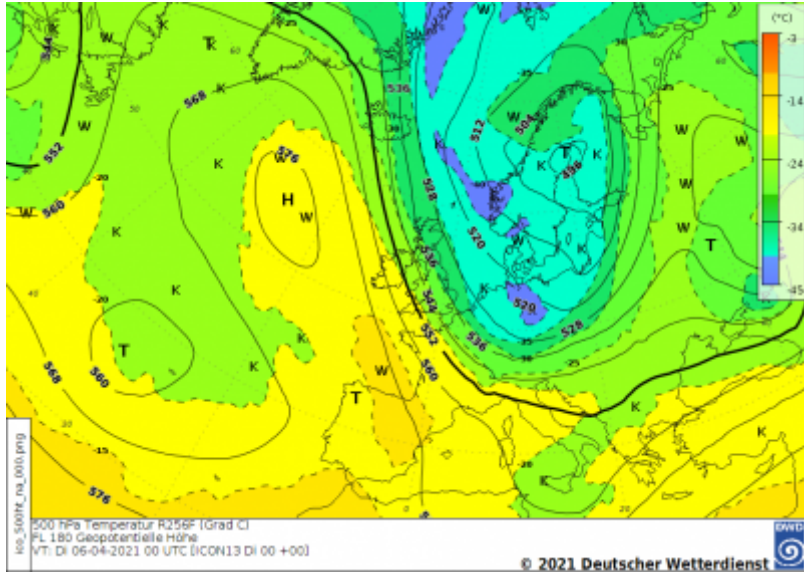
## Analyse Charts

[https://www.dwd.de/DE/leistungen/hobbiymet\\_wk\\_europa/hobbyeuropakarten.html](https://www.dwd.de/DE/leistungen/hobbiymet_wk_europa/hobbyeuropakarten.html)

## Ground



## 500hPa

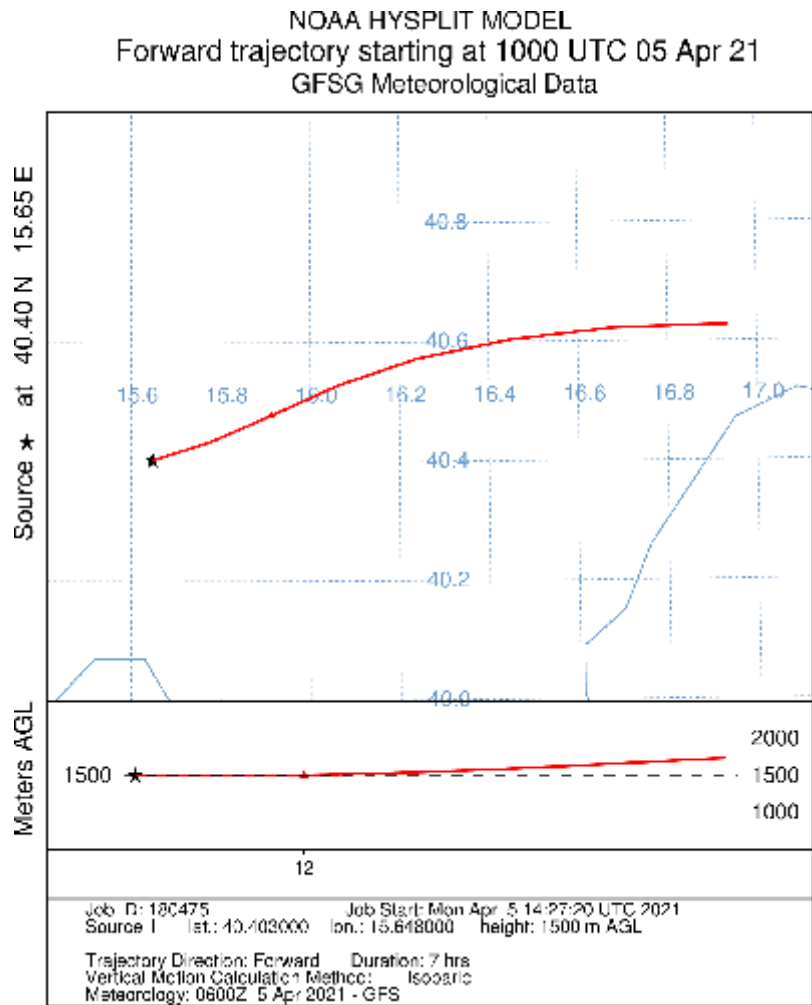


**2021/04/05 1700 UTC**

**Bitterfeld**

**B05**

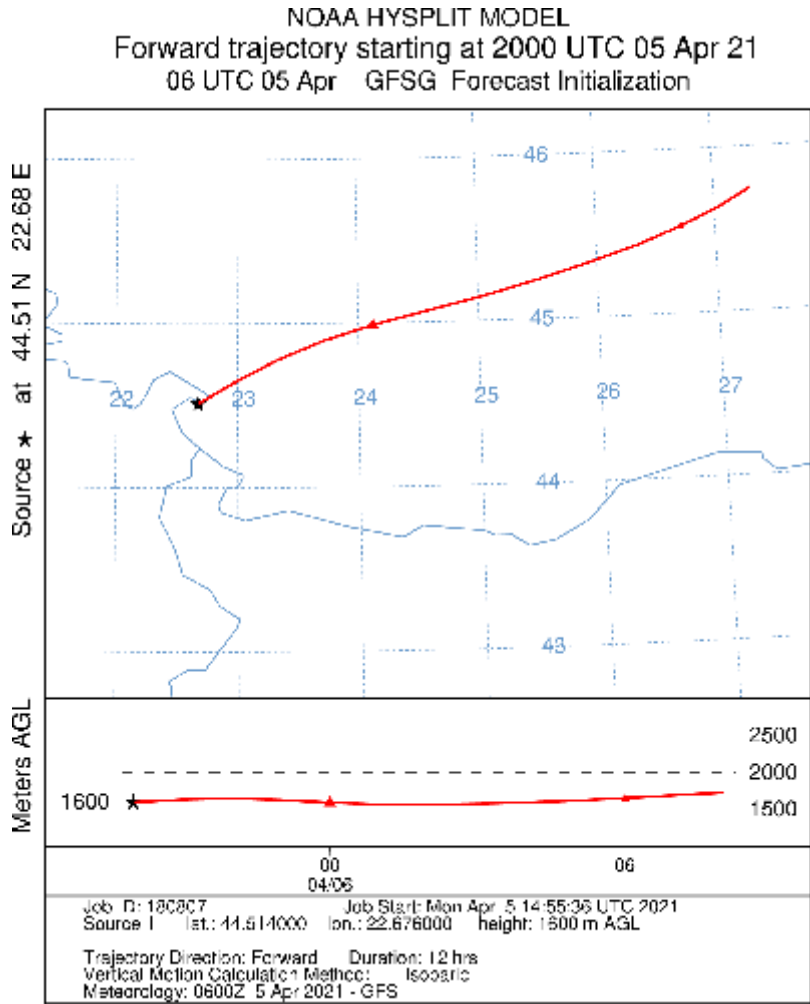
New altitude at 1000 UTC 40.4030 N / 15.6480 E:



hysplittraj\_180475.kmz  
trajplot\_180475.pdf  
tdump.180475.txt

**B15**

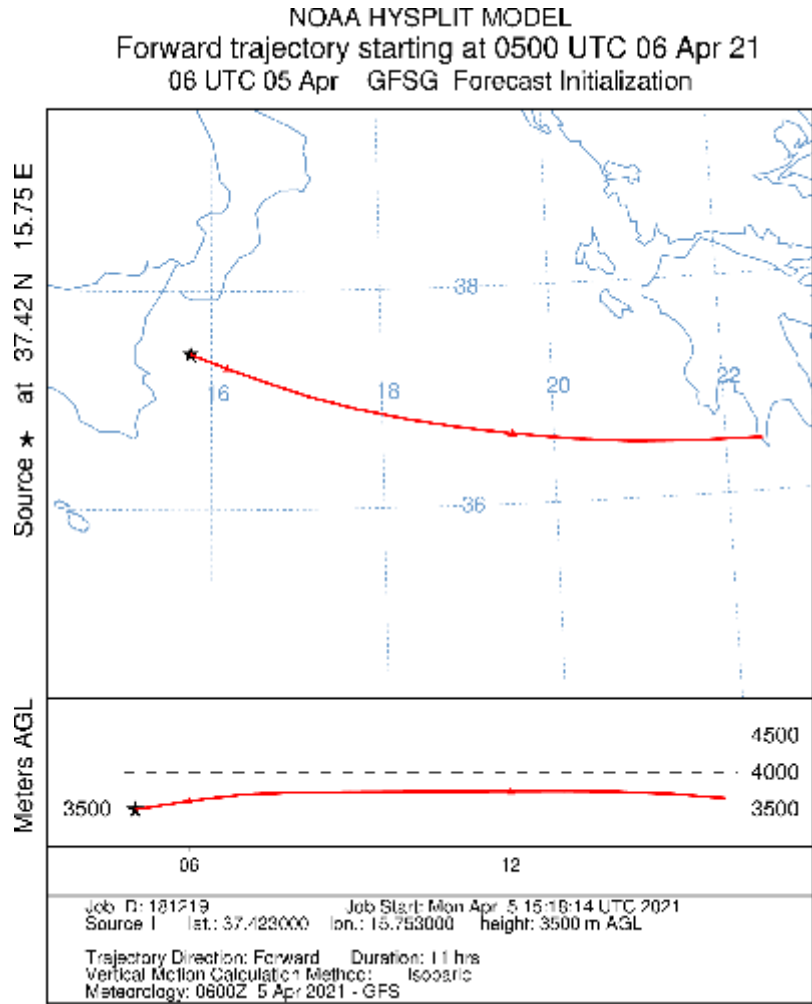
New altitude at 2000 UTC 44.5140 N / 22.6760 E:



hysplittraj\_180807.kmz  
trajplot\_180807.pdf  
tdump.180807.txt

**B25**

New altitude at 0500 UTC 37.4230 N 15.7530 E:

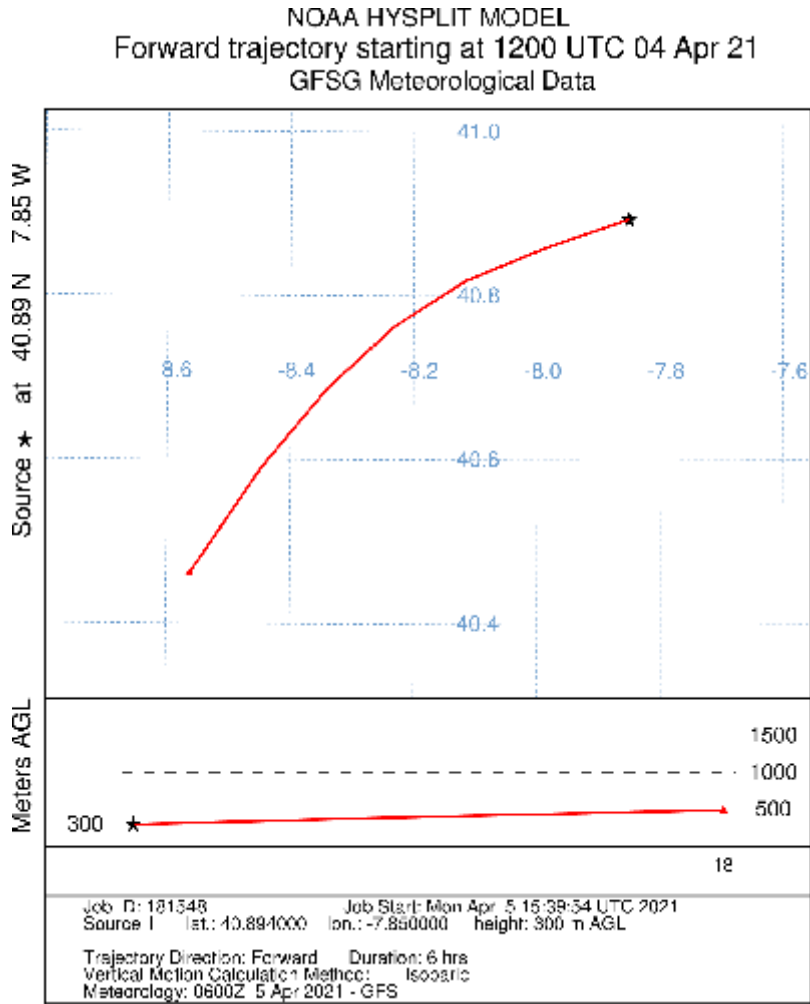


hysplittraj\_181219.kmz  
trajplot\_181219.pdf  
tdump.181219.txt

**Nancy**

**NO5**

New altitude at 2021/04/04 1200 UTC:

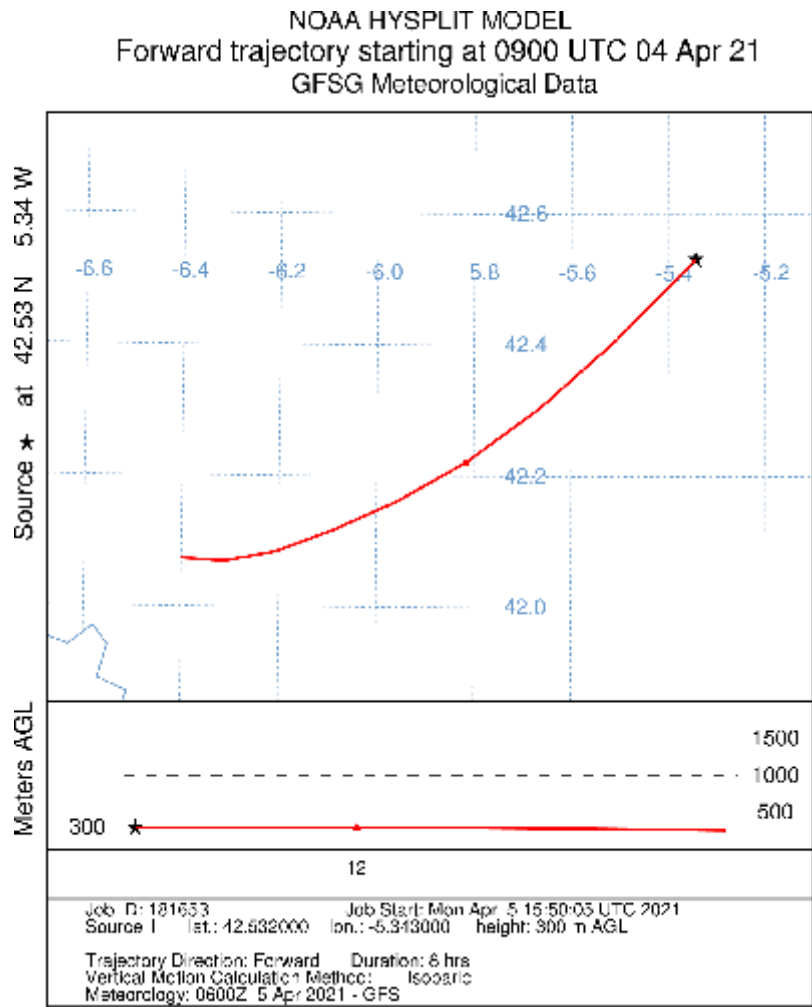


hysplittraj\_181548.kmz  
trajplot\_181548.pdf  
tdump.181548.txt

**N15**

New altitude at 2021/04/04 0900 UTC:

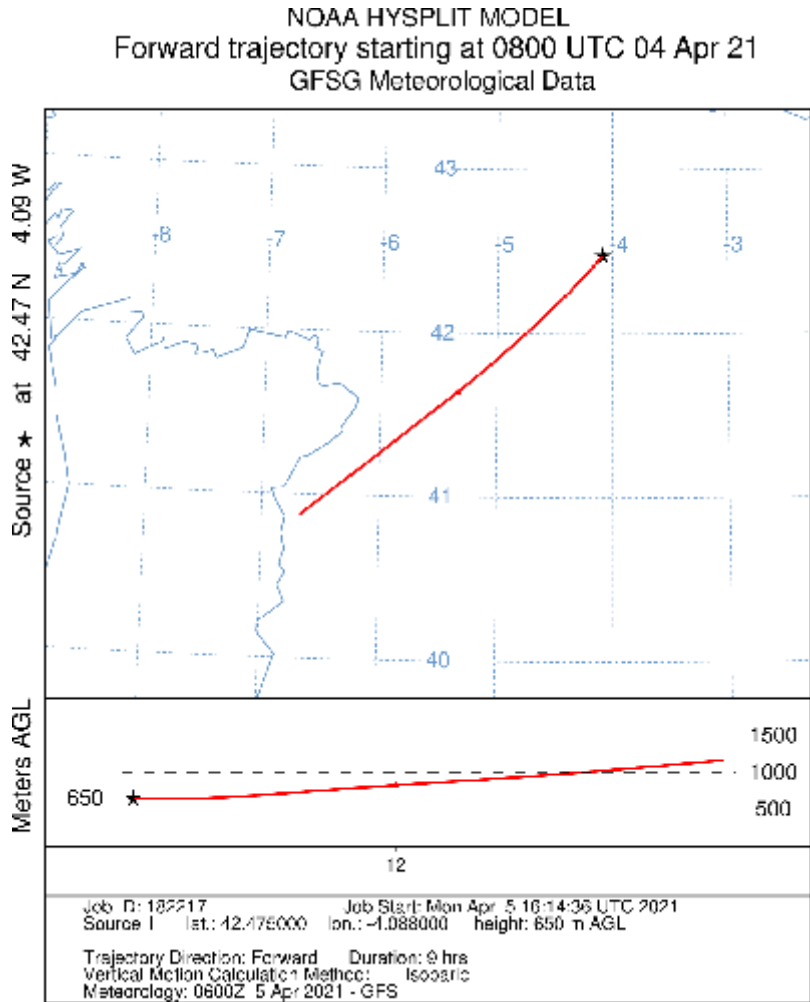




hysplittraj\_181653.kmz  
trajplot\_181653.pdf  
tdump.181653.txt

## N25

New altitude at 2021/04/04 0800 UTC:

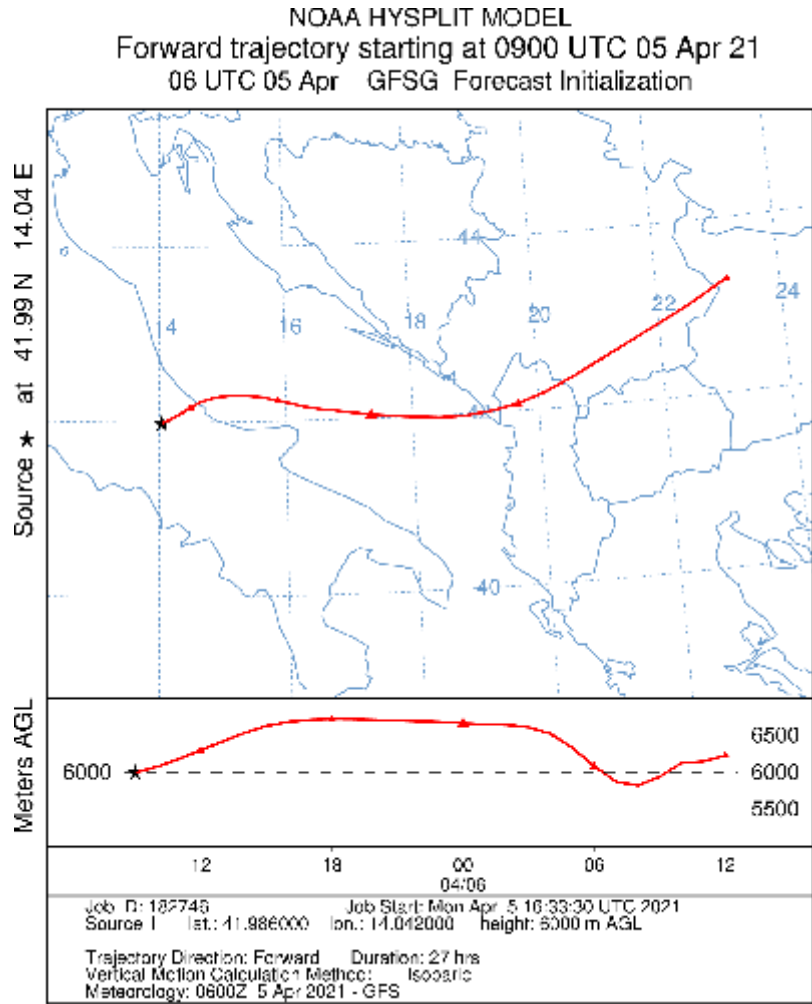


hysplittraj\_182217.kmz  
trajplot\_182217.pdf  
tdump.182217.txt

## Wrocław

### W05

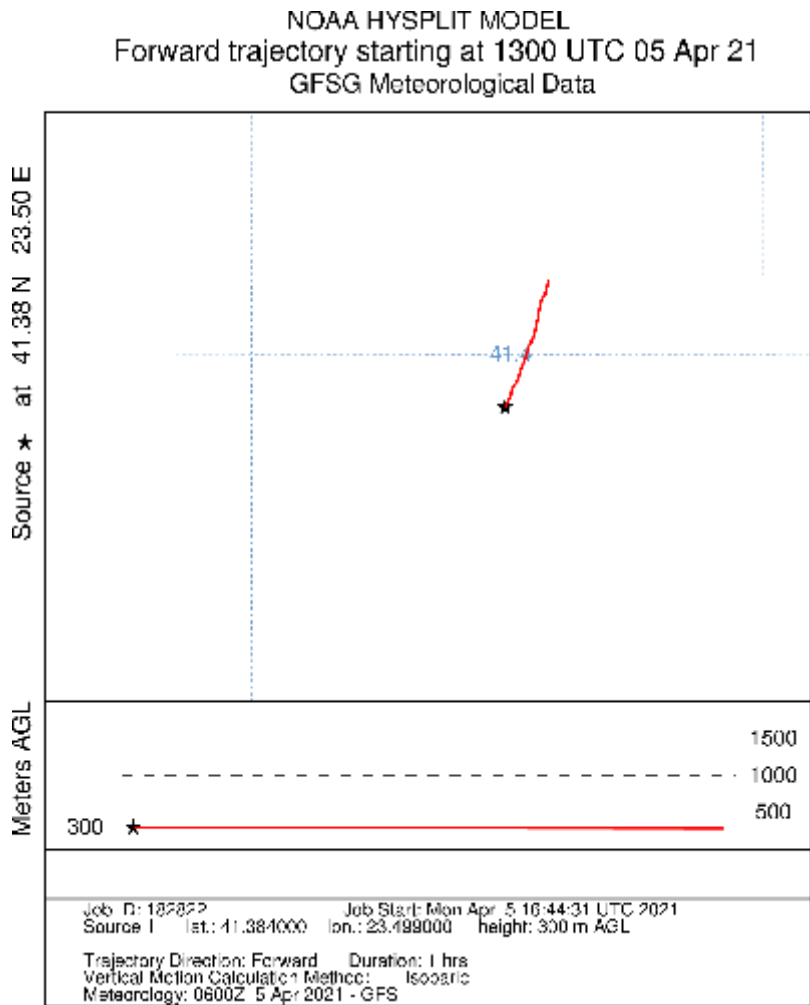
New altitude at 0900 UTC:



hysplittraj\_182746.kmz  
 trajplot\_182746.pdf  
 tdump.182746.txt

**W15**

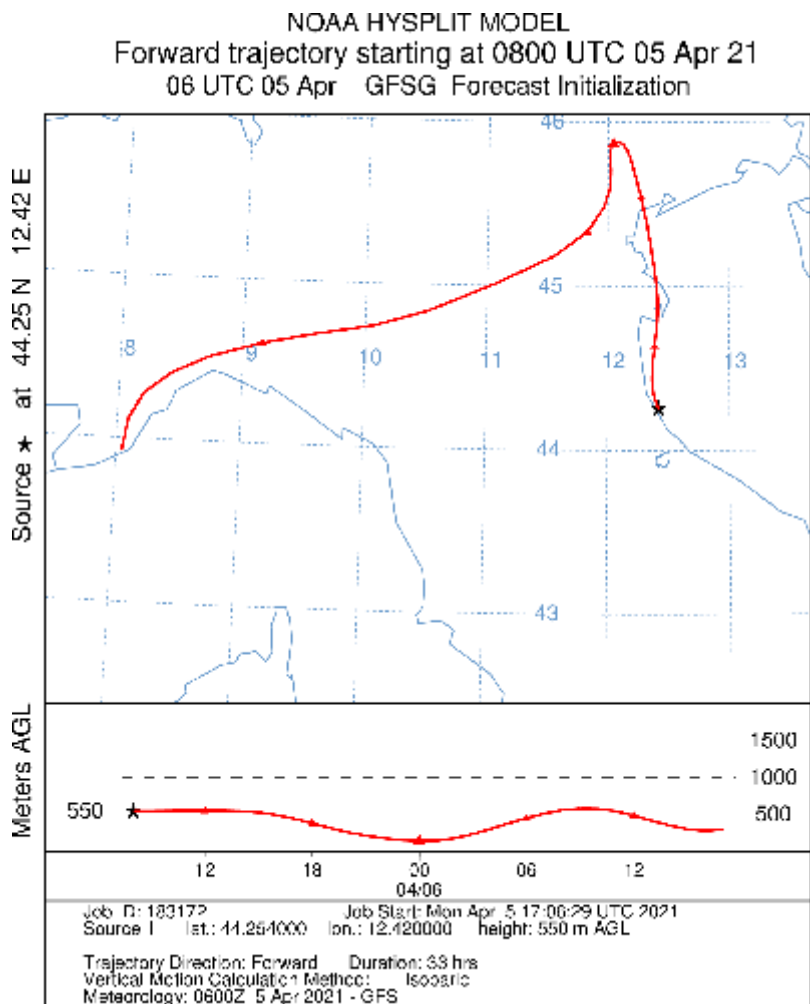
New altitude at 1300 UTC 41.3840 N 23.4990 E:



hysplittraj\_182822.kmz  
trajplot\_182822.pdf  
tdump.182822.txt

**W25**

New altitude at 0800 UTC 44.2540 N / 12.4200 E:

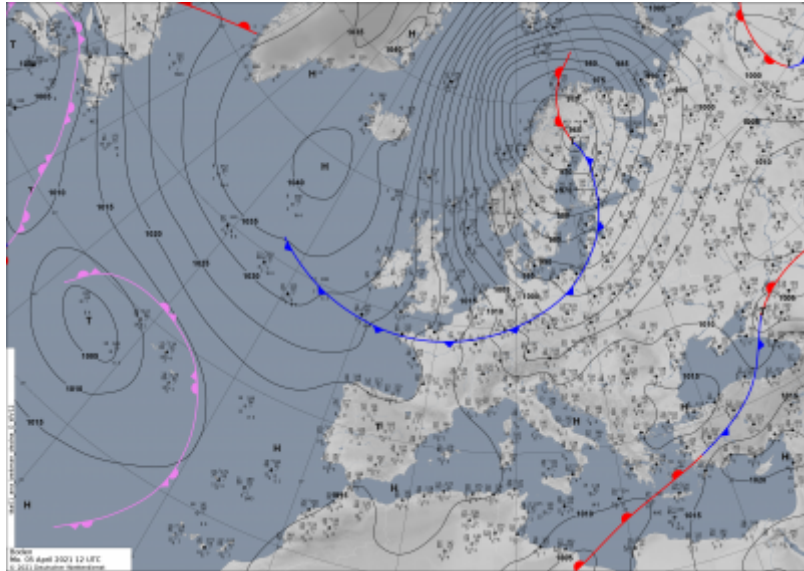


hysplittraj\_183172.kmz  
 trajplot\_183172.pdf  
 tdump.183172.txt

## 2021/04/05 1400 UTC

### Last Analyse Chart

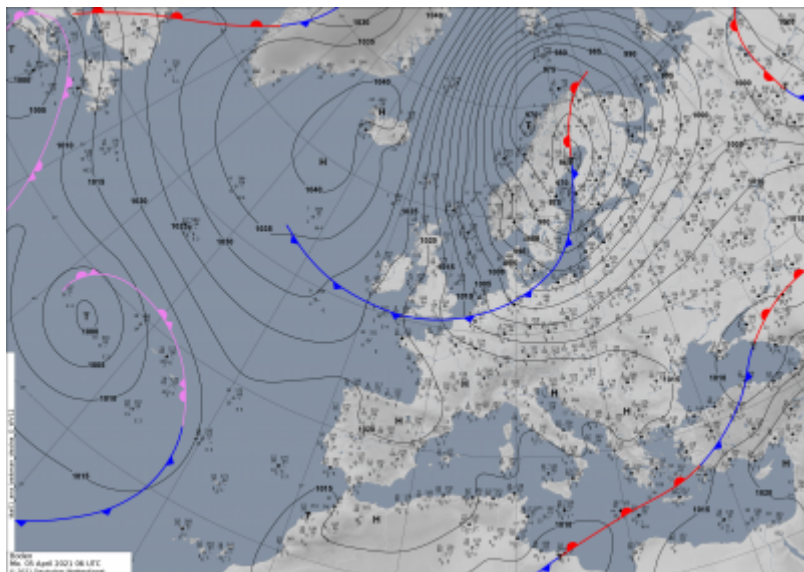
### Ground



**2021/04/05 1000 UTC**

**Last Analyse Chart**

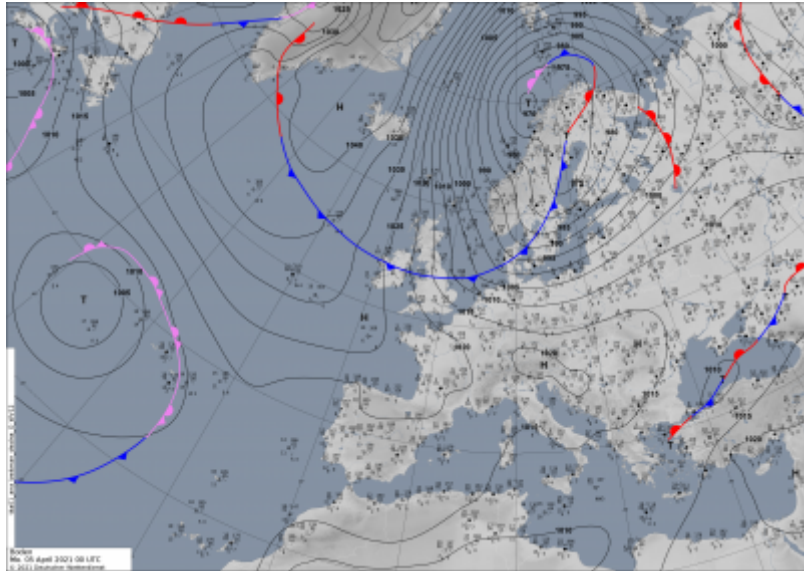
**Ground**



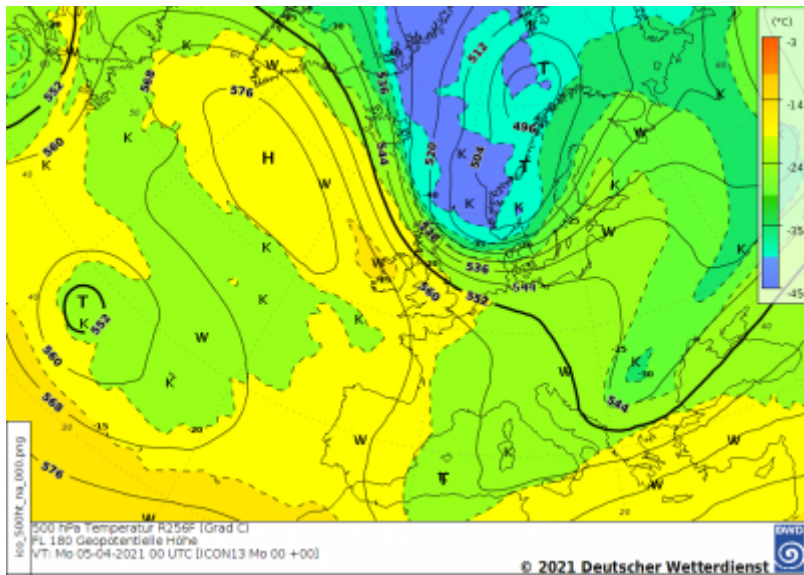
**2021/04/05 0200 UTC**

**Last Analyse Chart**

**Ground**



500hPa

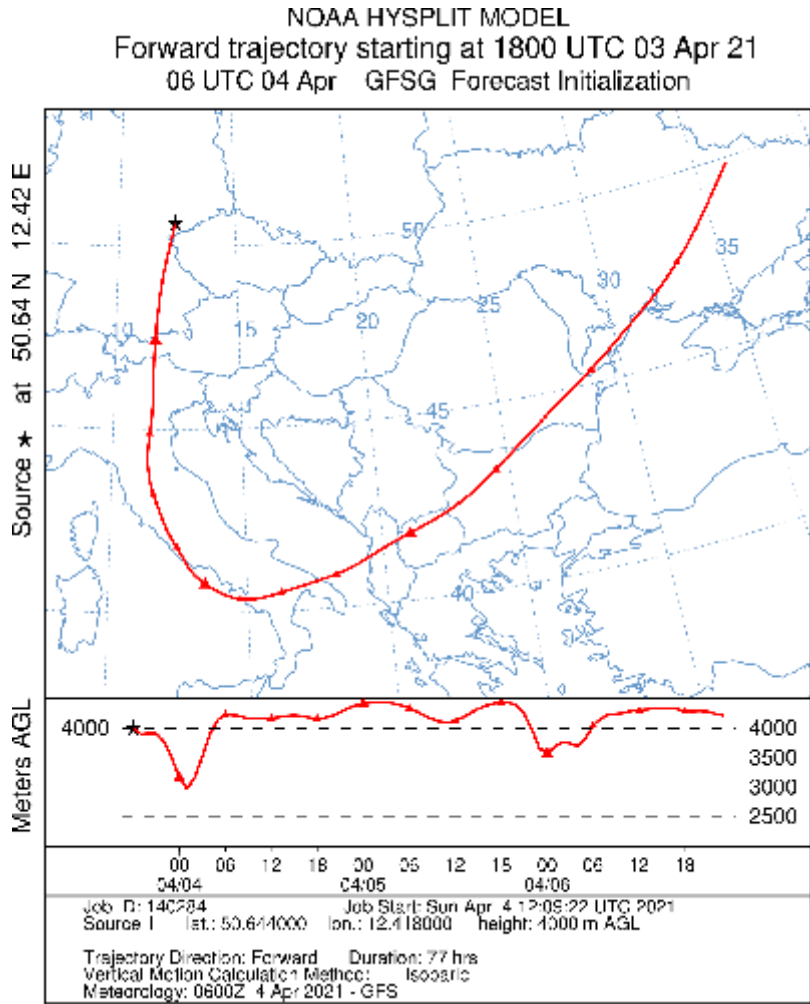


2021/04/04 1200UTC

Bitterfeld

B05

New altitude at 1800 UTC 50.6440 N / 12.4180 E

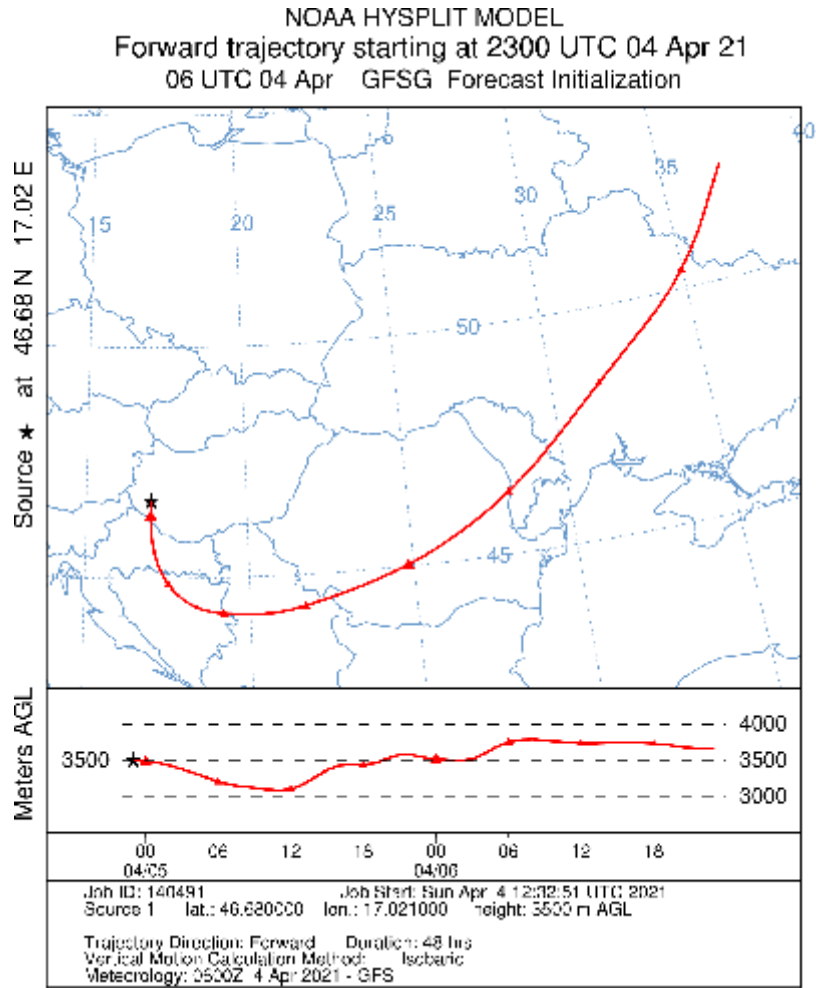


hysplittraj\_140284.kmz  
trajplot\_140284.pdf  
tdump.140284.txt

**B15**

New altitude at 2300 UTC 46.6800 N / 17.0210 E

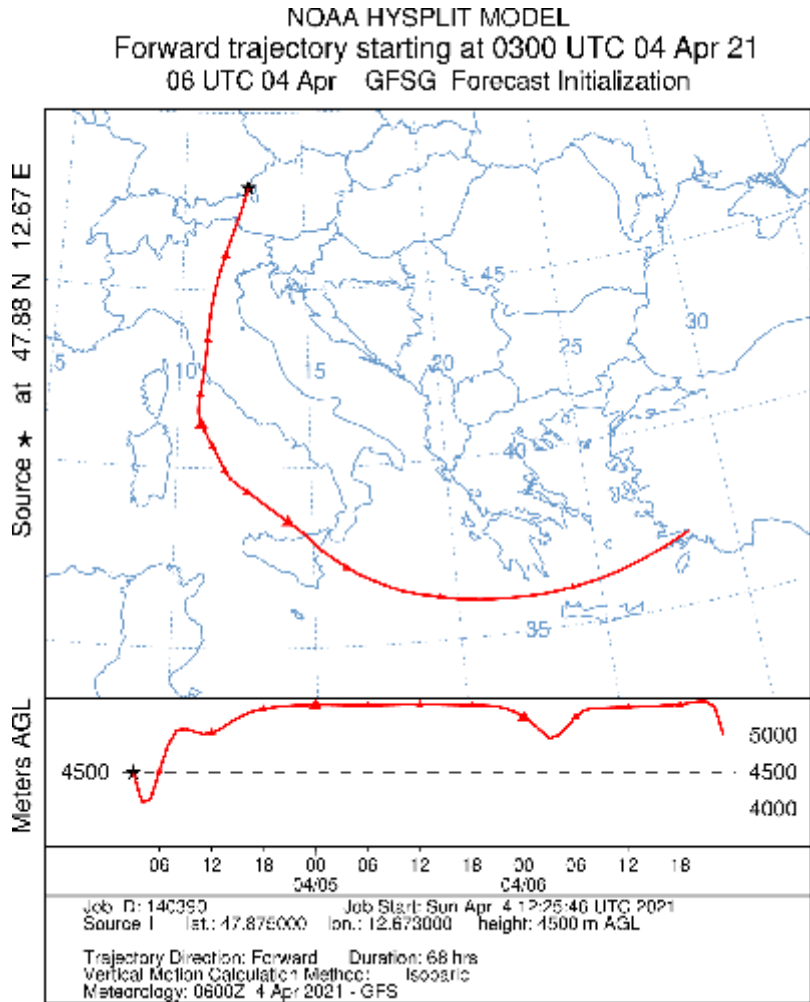




hysplittraj\_140491.kmz  
trajplot\_140491.pdf  
tdump.140491.txt

**B25**

New altitude at 0300 UTC 47.8750 N / 12.6730 E

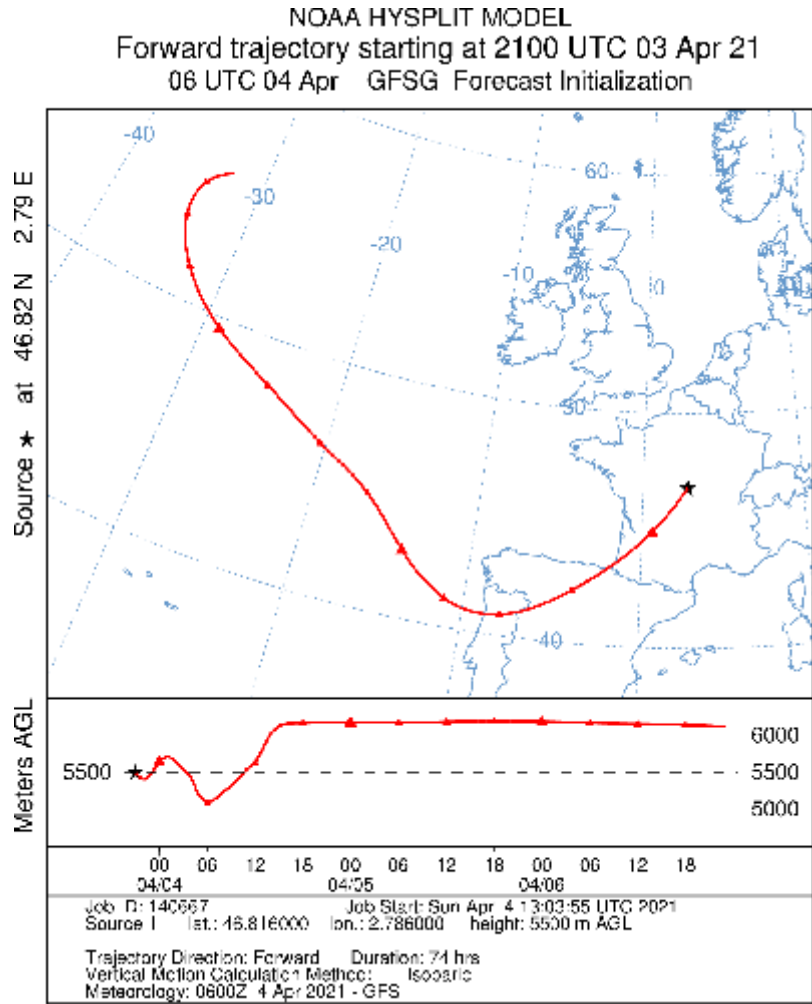


hysplittraj\_140390.kmz  
trajplot\_140390.pdf  
tdump.140390.txt

**Nancy**

**N05**

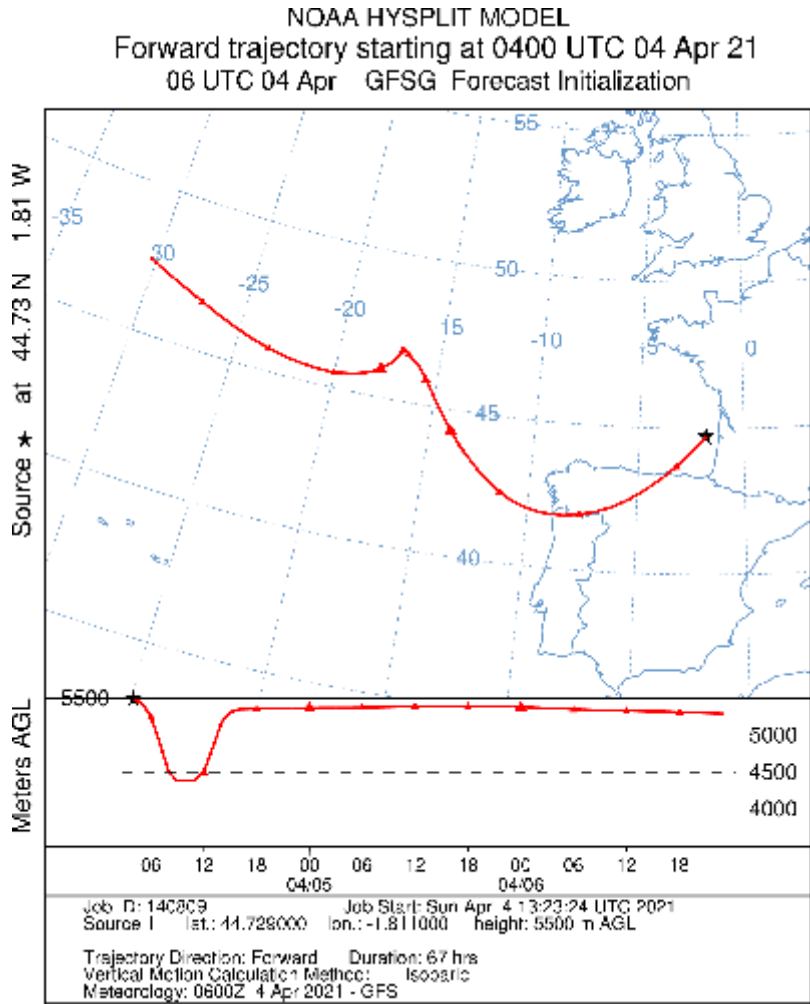
New altitude at 2021/03/04 2100 UTC 46.8160 N / 2.7860 E.



hysplittraj\_140667.kmz  
 trajplot\_140667.pdf  
 tdump.140667.txt

**N15**

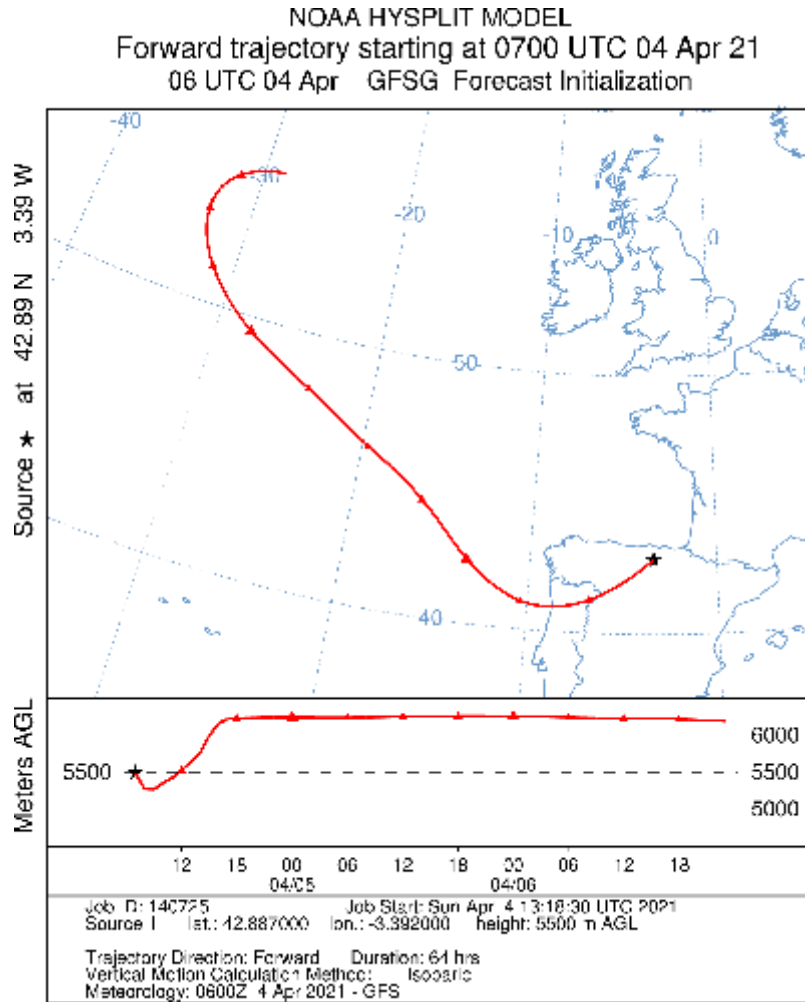
New altitude 0400 UTC 44.7290 N / 1.8110 W



hysplittraj\_140809.kmz  
trajplot\_140809.pdf  
tdump.140809.txt

## N25

New altitude at 0700 UTC 42.8870 N / 3.3920 W

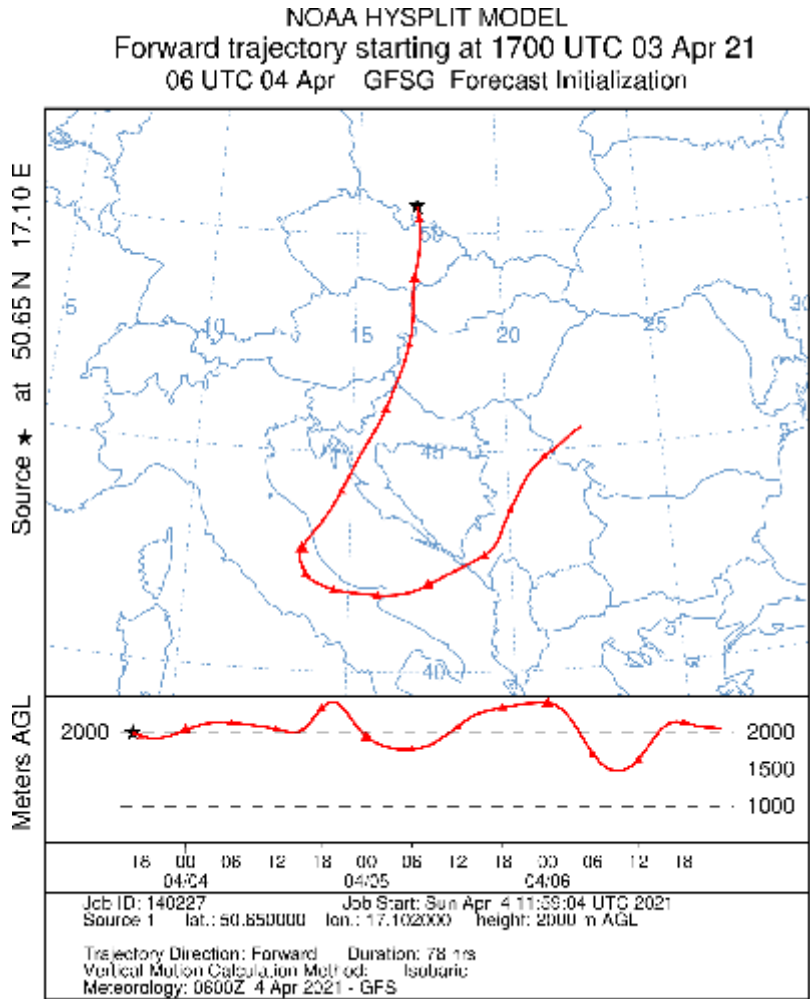


hysplittraj\_140725.kmz  
trajplot\_140725.pdf  
tdump.140725.txt

## Wrocław

## W05

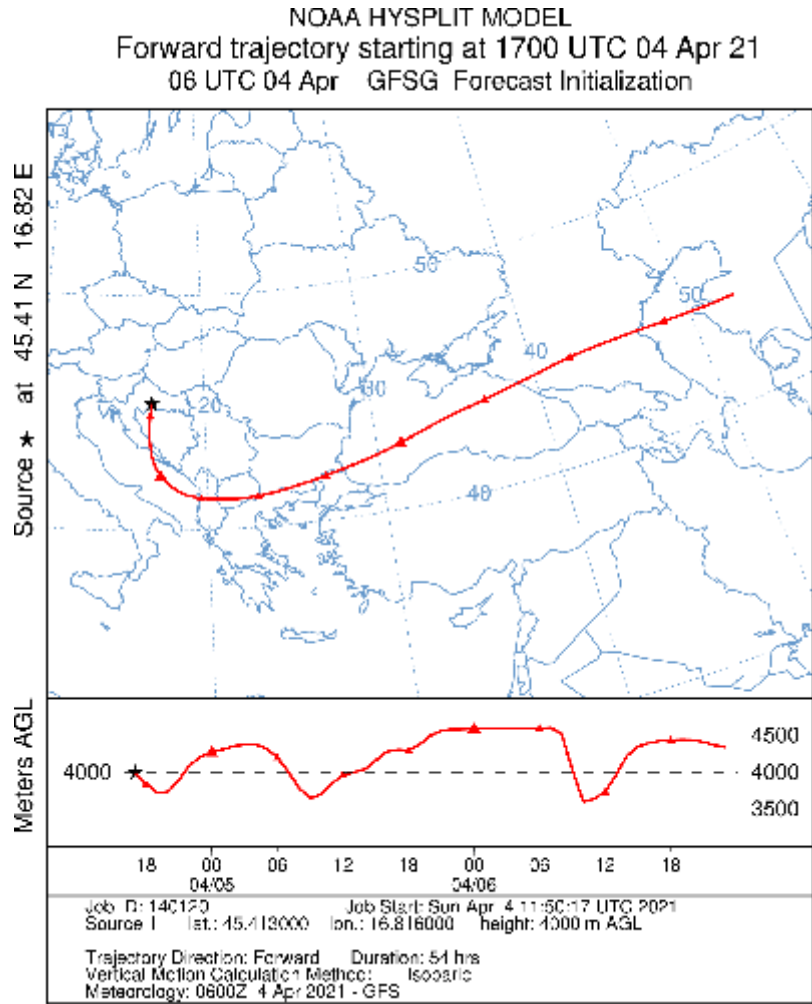
New altitude at 2021/04/03 1700 UTC 50.6500 N / 17.1020 E



hysplittraj\_140227.kmz  
trajplot\_140227.pdf  
tdump.140227.txt

**W15**

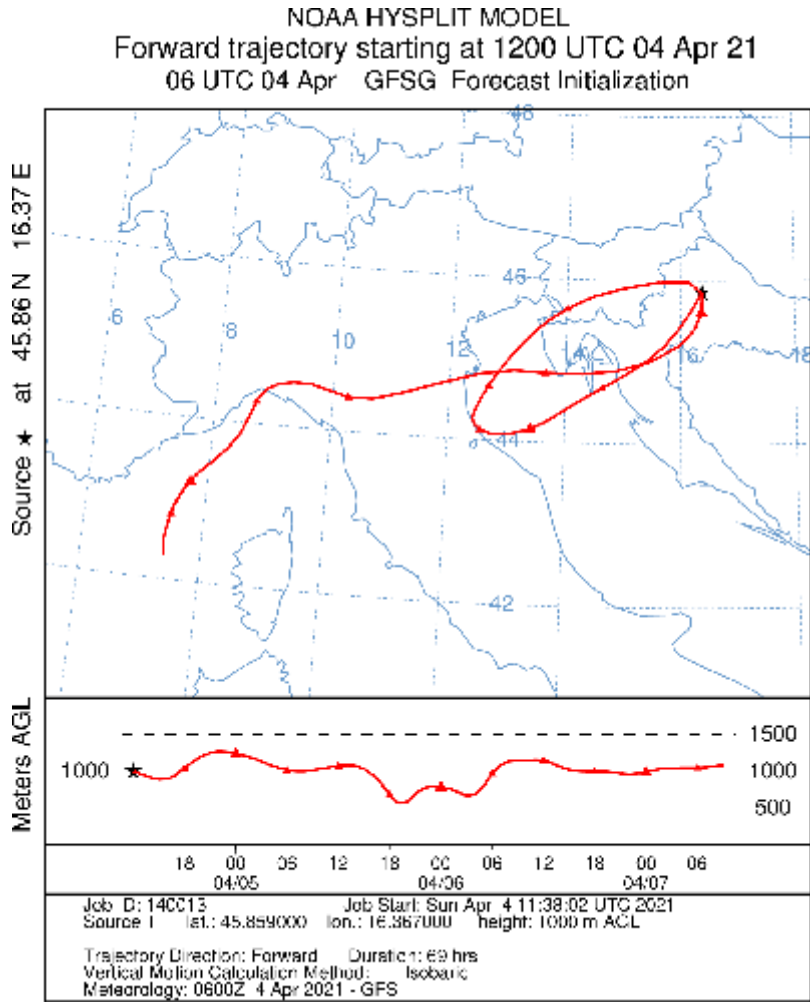
New altitude at 1700UTC 45.4130 N / 16.8160 E



hysplittraj\_140120.kmz  
trajplot\_140120.pdf  
tdump.140120.txt

## W25

New altitude at 1200UTC and 45.8590 N / 163670 E



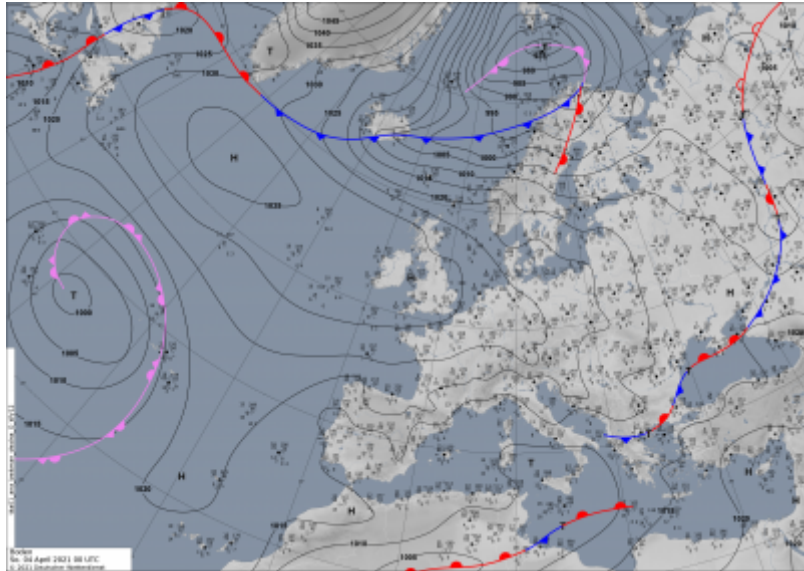
trajplot\_140013.pdf  
hysplittraj\_140013.kmz  
tdump.140013.txt

## 2021/04/03 0200UTC

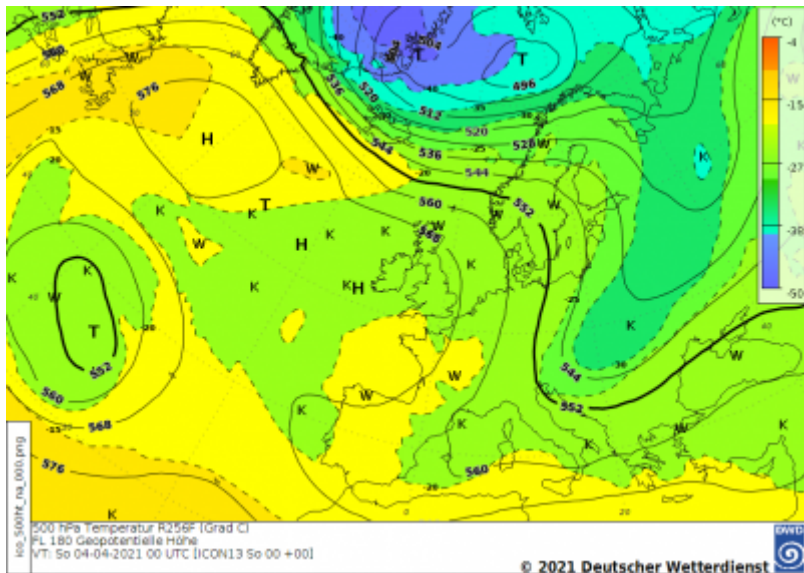
### Last Analyse Chart

### Ground





### 500hPa



## 2021/04/03 1500UTC

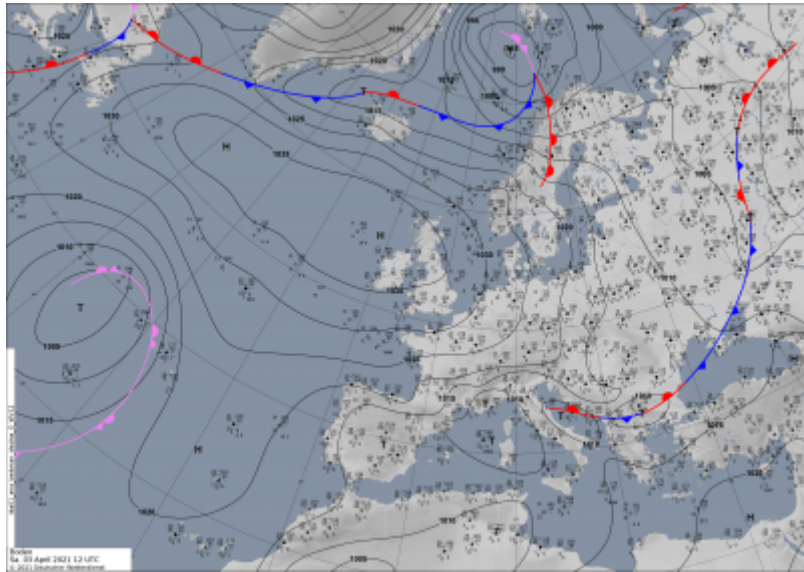
### METAR

- EDDP Leipzig/Halle METAR EDDP 031450Z 35018G30KT CAVOK 10/M04 Q1022 TEMPO 35020G30KT=
- Nancy/Essey 031400Z AUTO 05013G19KT 19KM FEW052 11/M01 Q1024=
- EPWR Wrocław METAR EPWR 031430Z 34010KT 310V020 9999 FEW016CB SCT021 06/01 Q1018 =

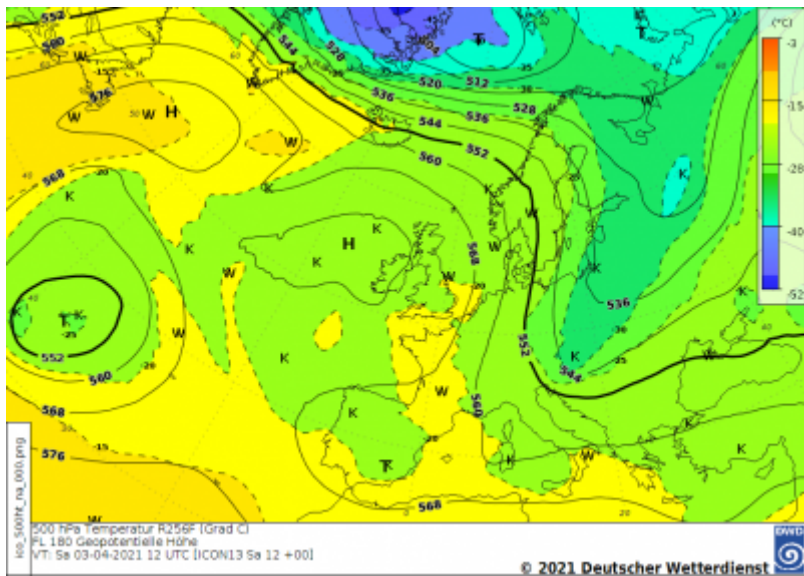
Windy situation. For a virtual departure okay, but in reality to much wind for the balloons. Maybe possible in Wrocław.

# Last Analyse Chart

## Ground

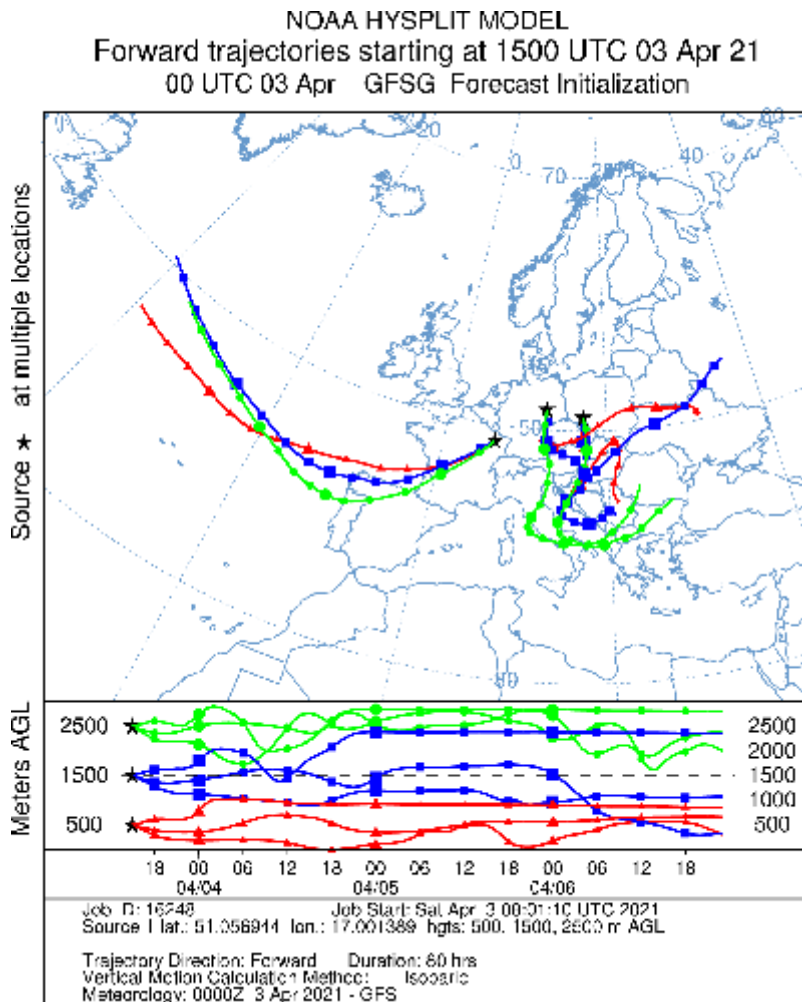


## 500hPa



## 2021/04/03 Launch at 1500

The results of the calculation of the trajectories.



hysplittraj\_16248.kmz  
 trajplot\_16248.pdf  
 tdump.16248.txt

## 2021/04/02 First step

As a first step, we would now like to do a demonstration flight from three starting locations.

### Koordinaten of the launch points:

- 48.69311° N 6.183333° E Place Stanislas<sup>2)</sup> in Nancy (FRANCE)
- 51.62458° N 12.29456° E Ballonplatz Bitterfeld<sup>3)</sup> (GERMANY)
- 51.056944 N 17.001389 E Racecourse Wrocław-Partynice<sup>4)</sup> (POLAND)

1)  
 Volker Löschorh describes the flight in his book BALLONFAHREN in german language. Title: Ballonfahren Author: Volker Löschorh, Motorbuch Verlag, ISBN 978-3-613-03427-3

2)  
[Place Stanislas](#)

3)  
<https://www.ballon-bitterfeld.de/bivfl/doku.php/ballonfahren/startplatz>

4)  
[www.gordonbennett.aero](http://www.gordonbennett.aero)

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Last update: **2021/04/06 12:03**

