Virtual Balloon Distance Race

If you are young and want to develop the project with us, meet us at DINA.international



First idea of the rules

- Competition aera: 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[1)]:



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 Haggeney / 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 Löschhorn from Geneva to Menorca.

dostz2009gordon.kmz

Stuttgart-Bacau September 2011

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

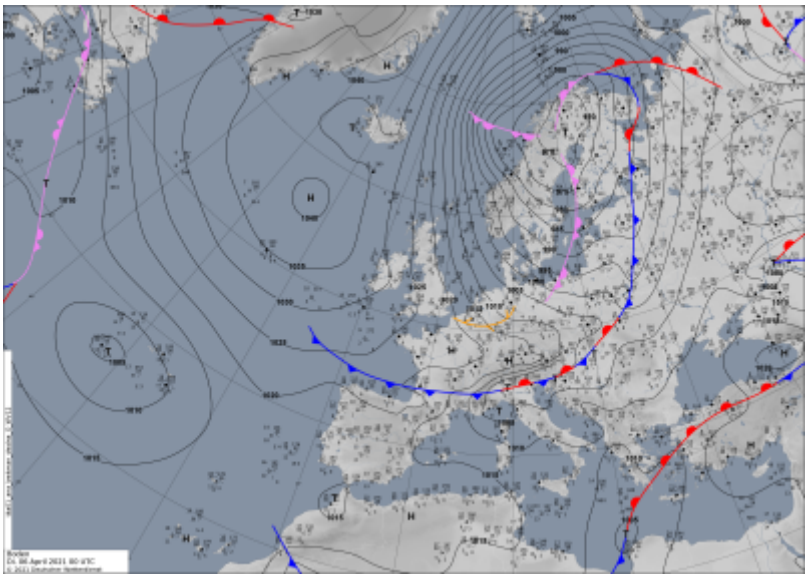
dostz2011stuttgart-bacau.kmz

2021/04/06

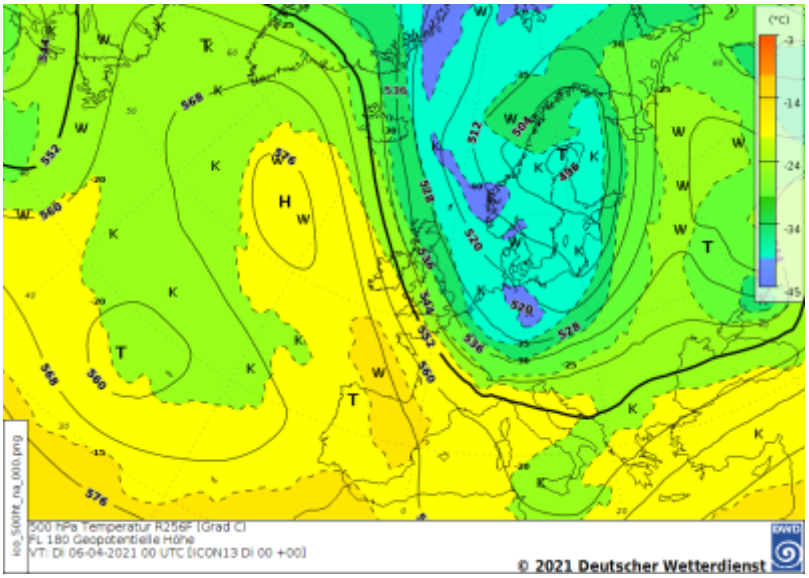
Analyse Charts

https://www.dwd.de/DE/leistungen/hobbymet_wk_europa/hobbyeuropakarten.html

Ground



500hPa

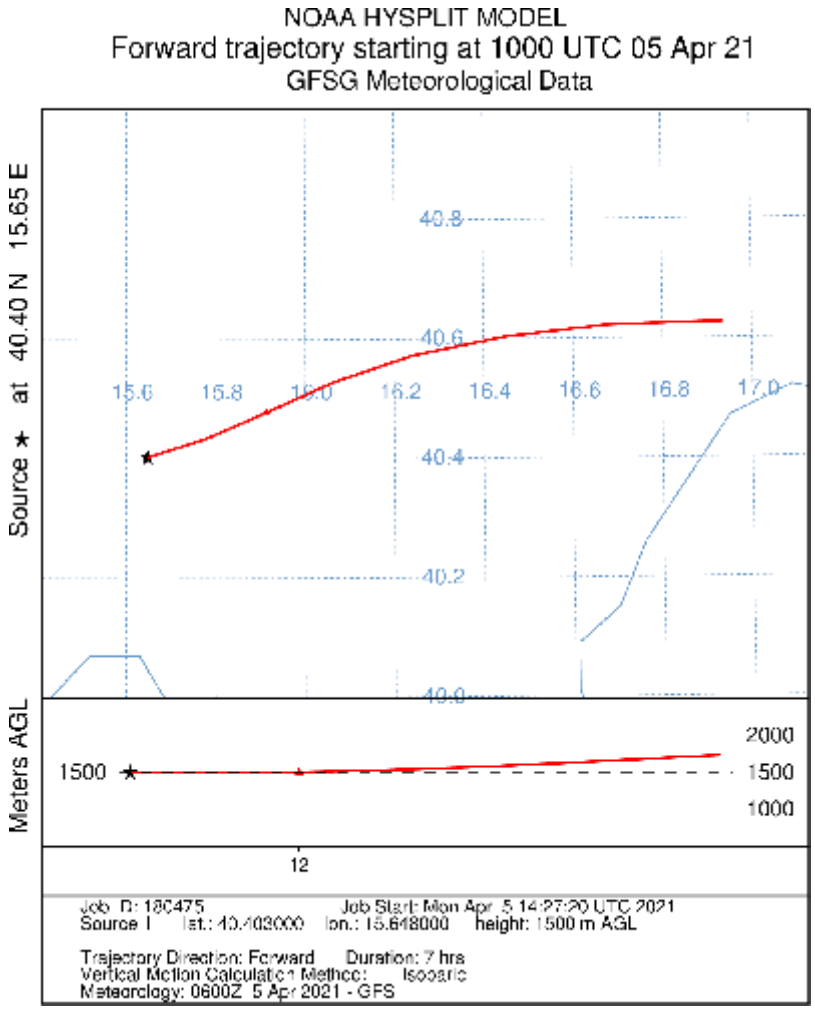


2021/04/05 1700 UTC

Bitterfeld

B05

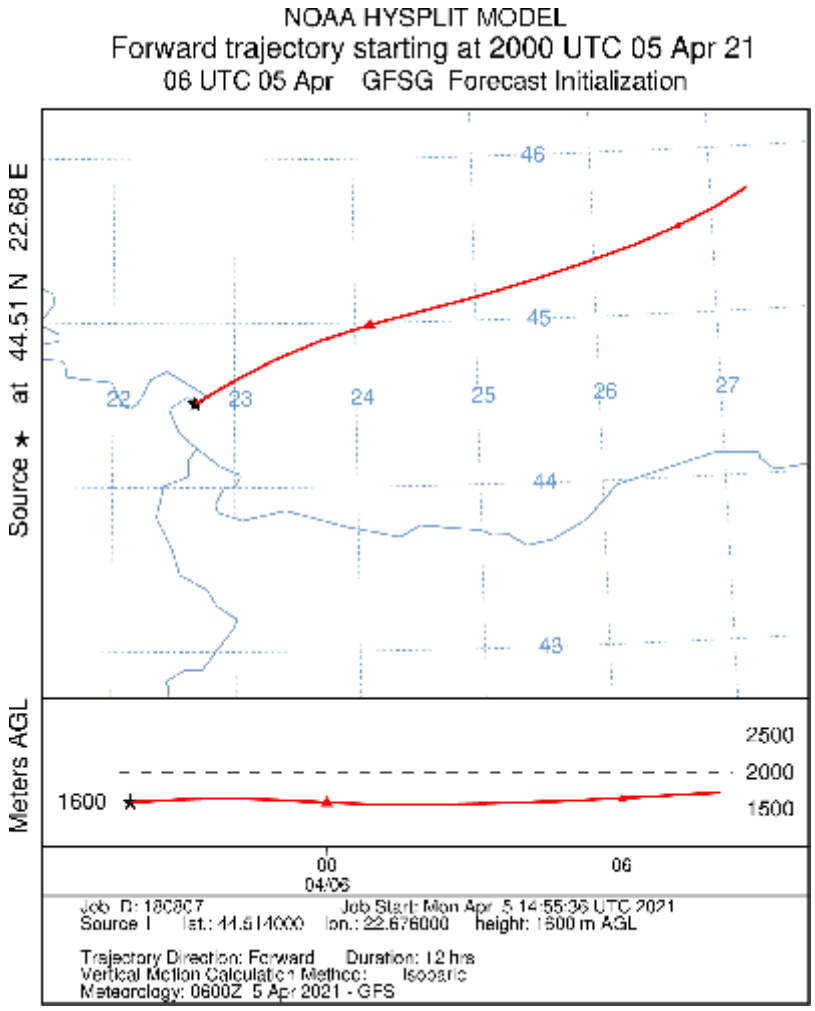
New altitude at 1000 UTC 40.4030 N / 15.6480 E:



hysplittraj_180475.kmz
trajplot_180475.pdf
tdump.180475.txt

B15

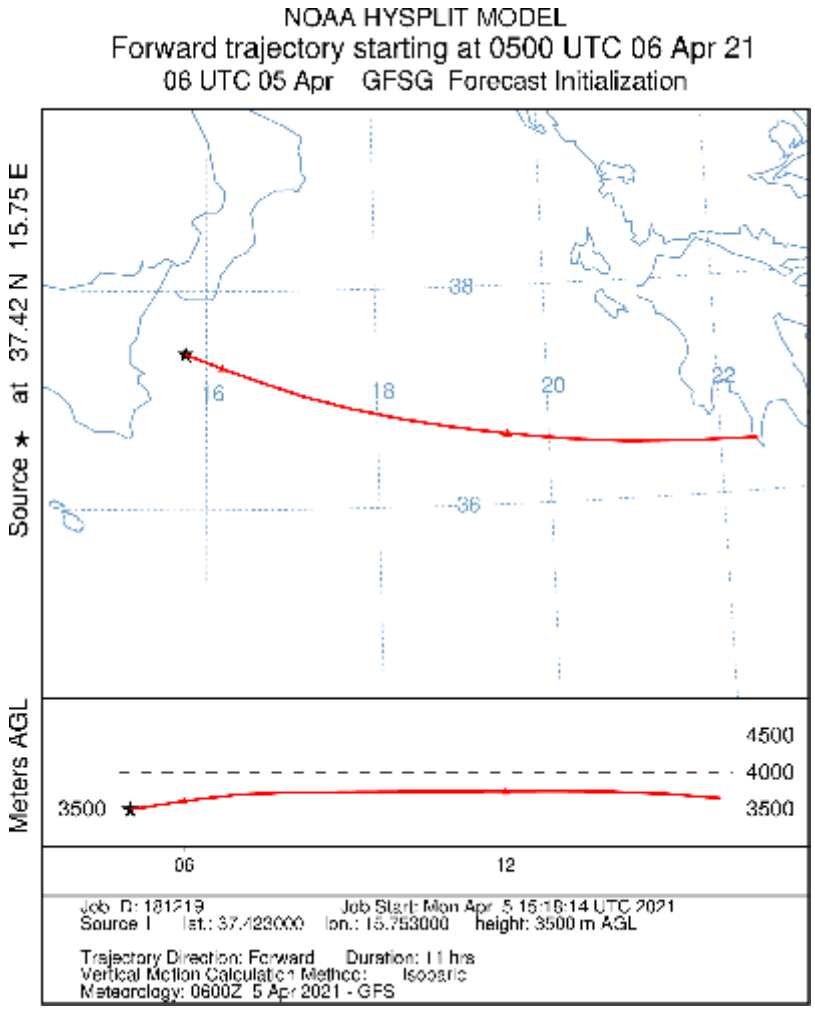
New altitude at 2000 UTC 44.5140 N / 22.6760 E:



hysplittraj_180807.kmz
trajplot_180807.pdf
tdump.180807.txt

B25

New altitude at 0500 UTC 37.4230 N 15.7530 E:

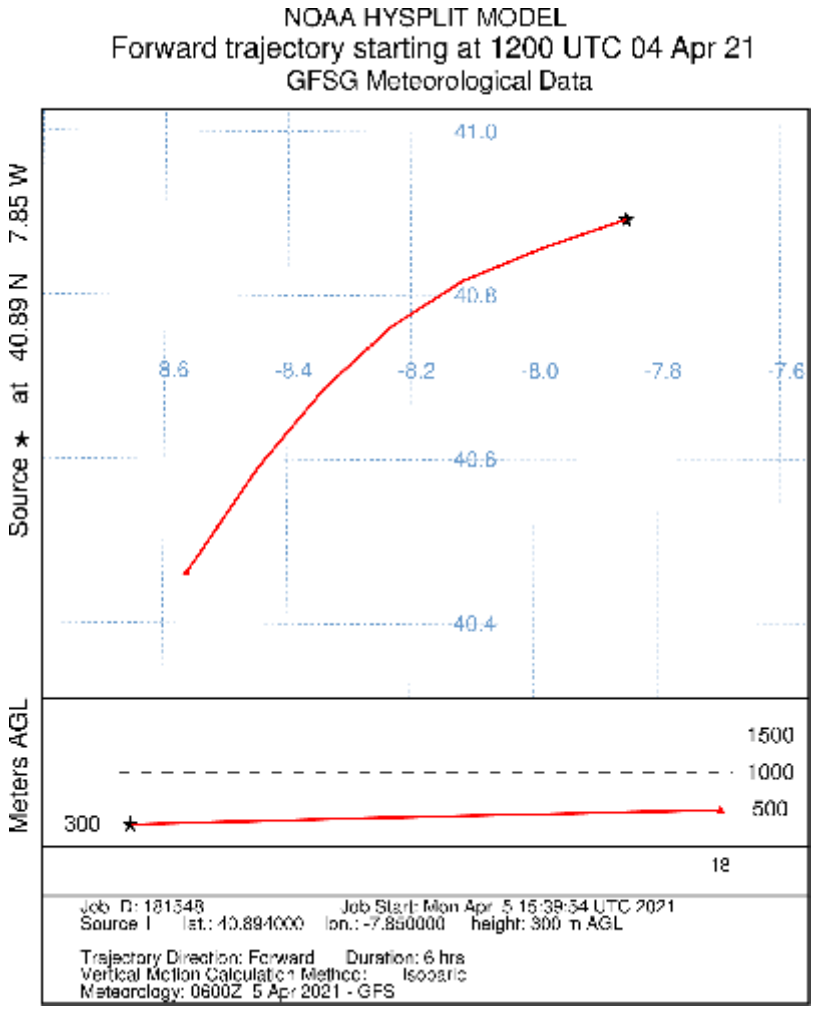


hysplittraj_181219.kmz
trajplot_181219.pdf
tdump.181219.txt

Nancy

NO5

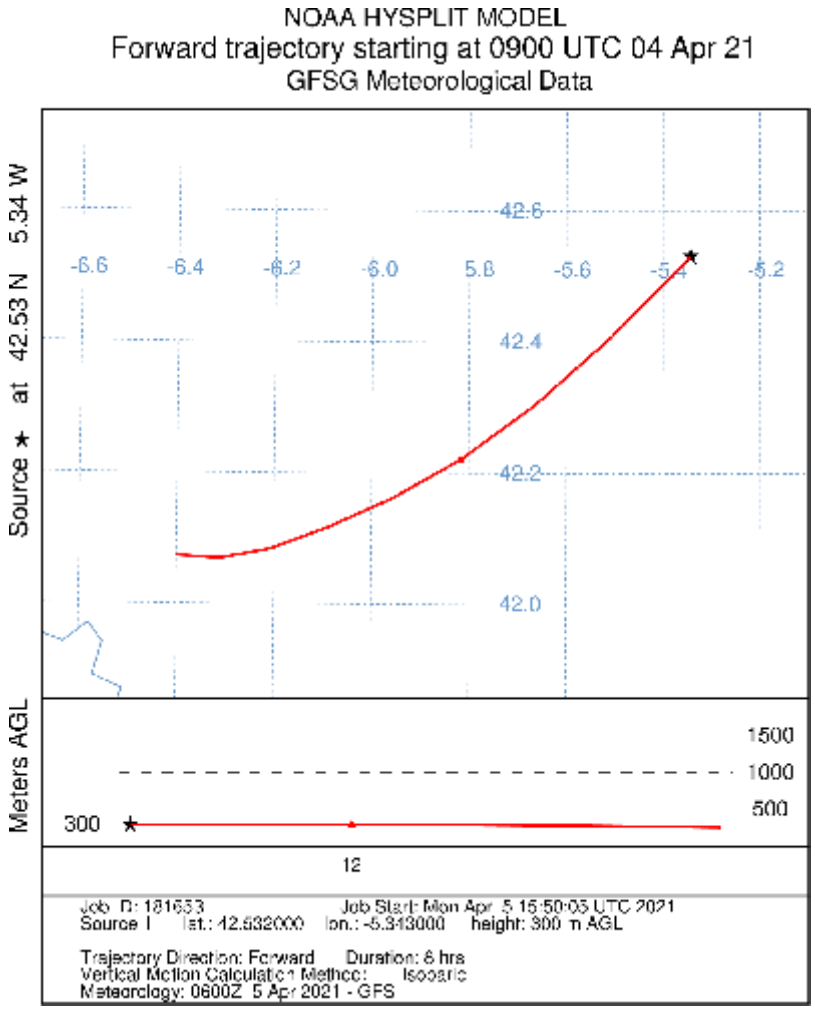
New altitude at 2021/04/04 1200 UTC:



hysplittraj_181548.kmz
trajplot_181548.pdf
tdump.181548.txt

N15

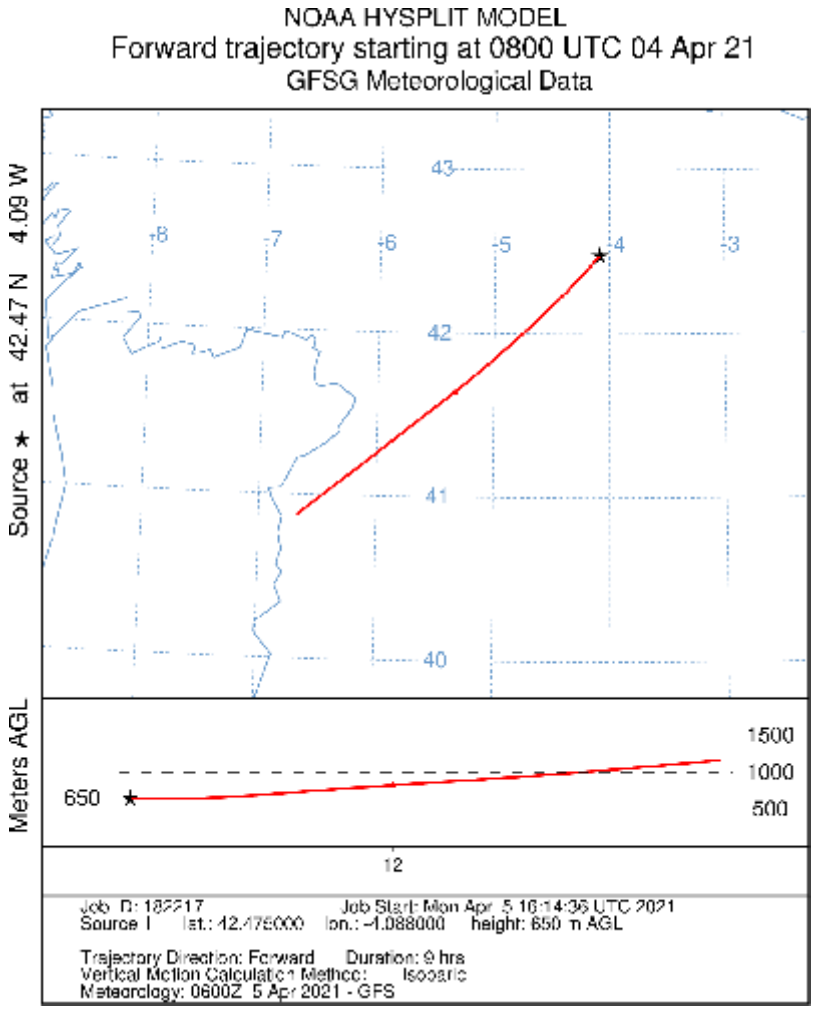
New altitude at 2021/04/04 0900 UTC:



hysplittraj_181653.kmz
trajplot_181653.pdf
tdump.181653.txt

N25

New altitude at 2021/04/04 0800 UTC:

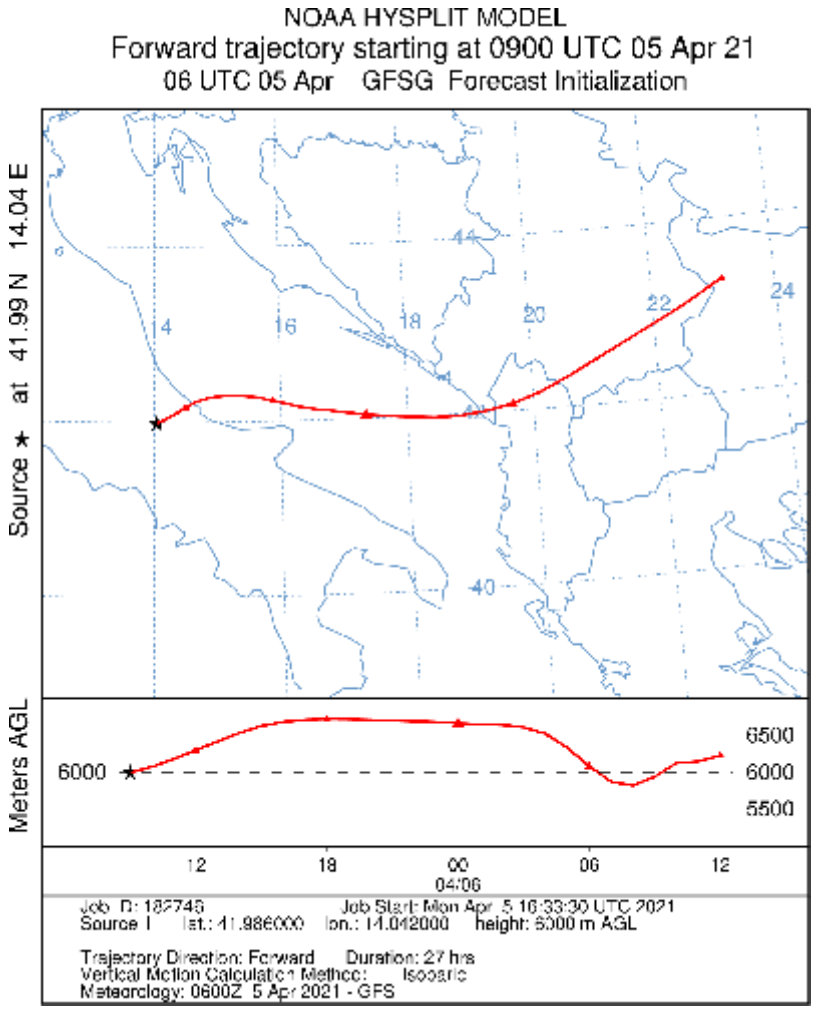


hysplittraj_182217.kmz
trajplot_182217.pdf
tdump.182217.txt

Wrocław

W05

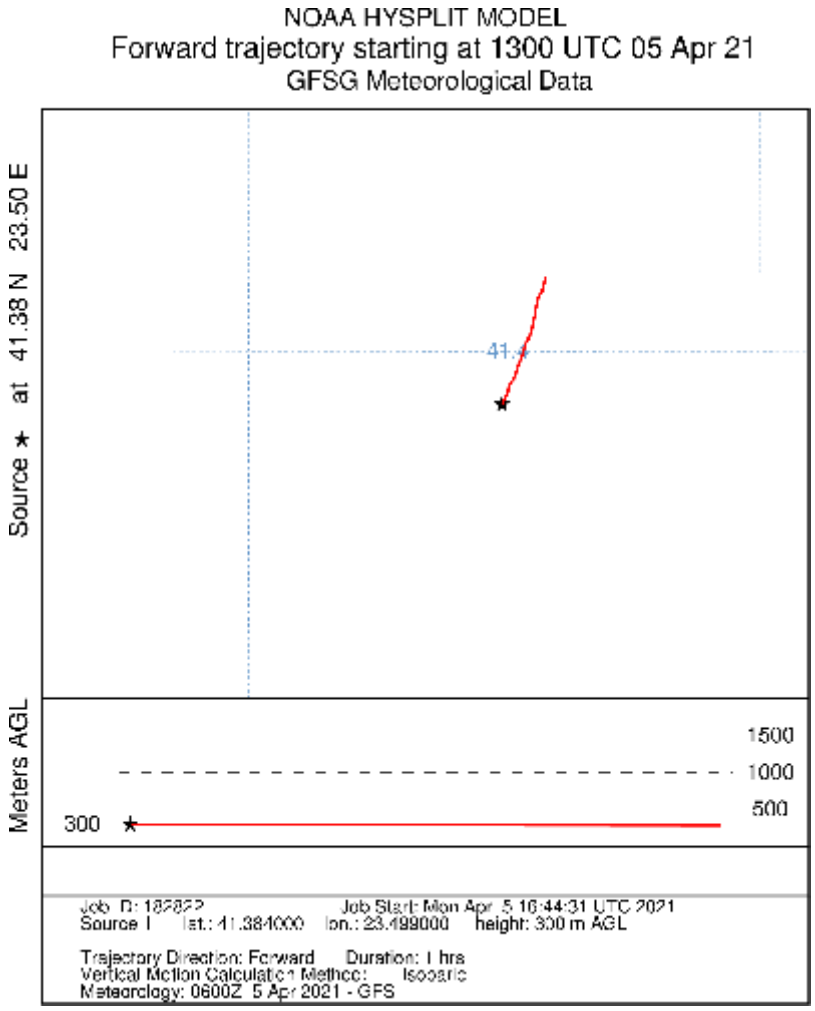
New altitude at 0900 UTC:



hysplittraj_182746.kmz
trajplot_182746.pdf
tdump.182746.txt

W15

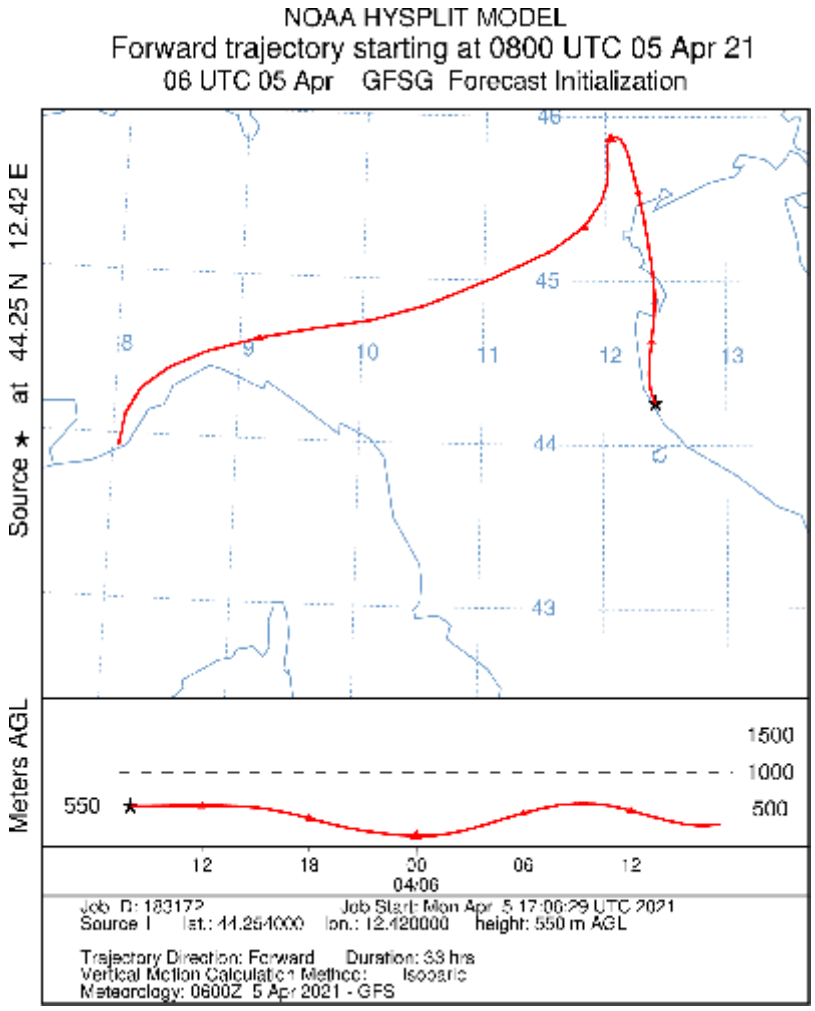
New altitude at 1300 UTC 41.3840 N 23.4990 E:



hysplittraj_182822.kmz
trajplot_182822.pdf
tdump.182822.txt

W25

New altitude at 0800 UTC 44.2540 N / 12.4200 E:

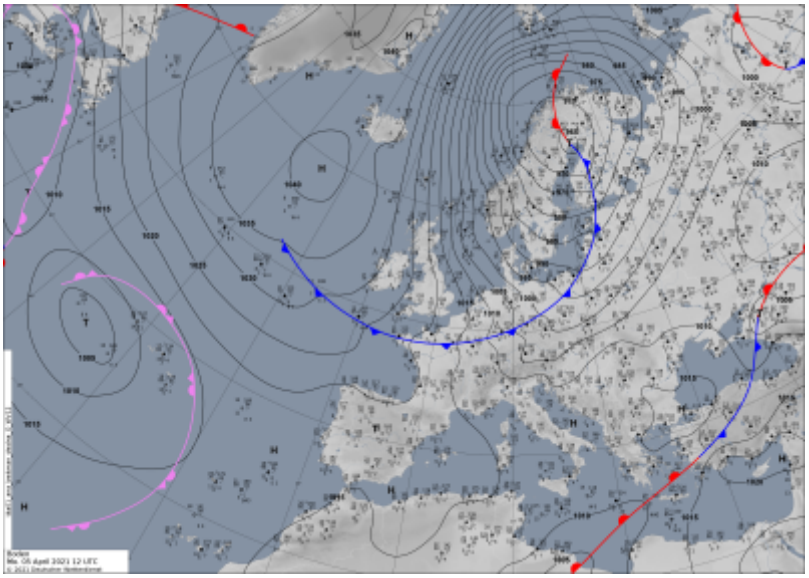


hysplittraj_183172.kmz
trajplot_183172.pdf
tdump.183172.txt

2021/04/05 1400 UTC

Last Analyse Chart

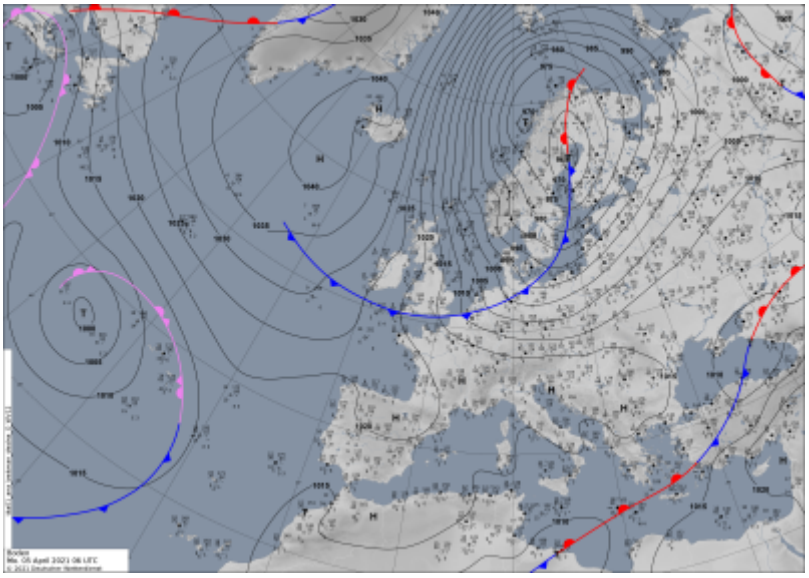
Ground



2021/04/05 1000 UTC

Last Analyse Chart

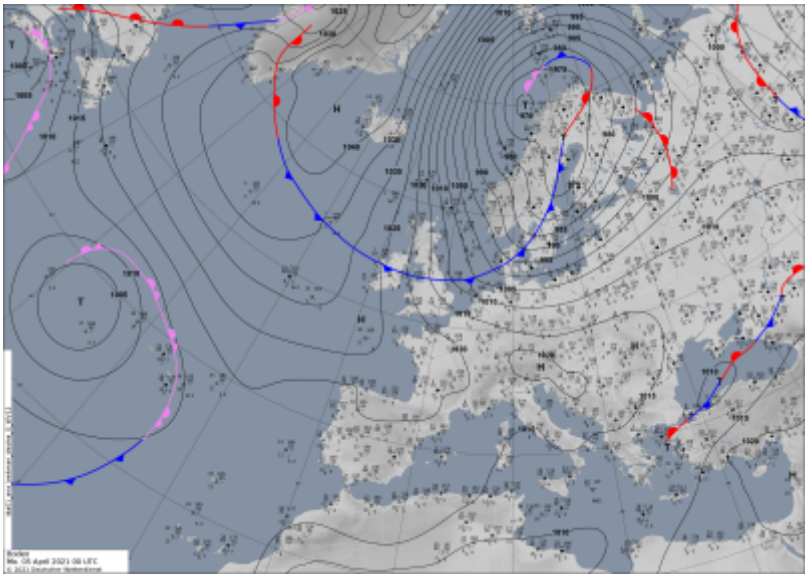
Ground



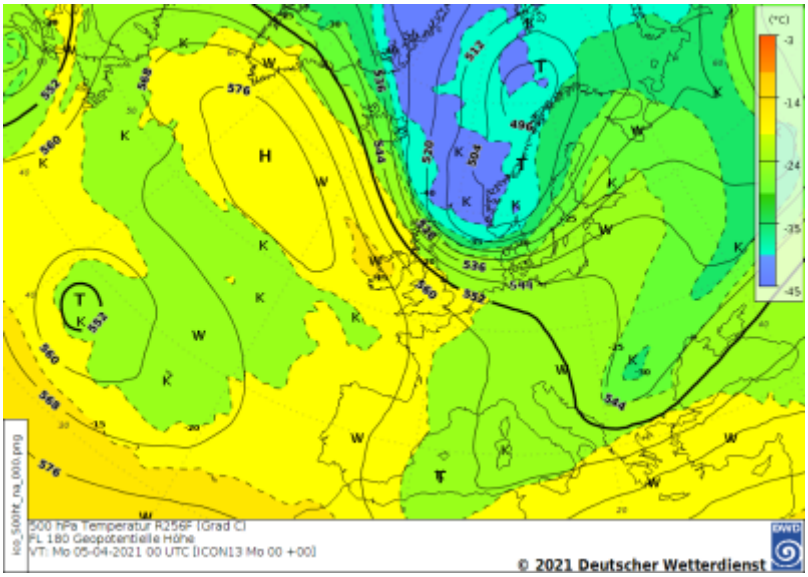
2021/04/05 0200 UTC

Last Analyse Chart

Ground



500hPa

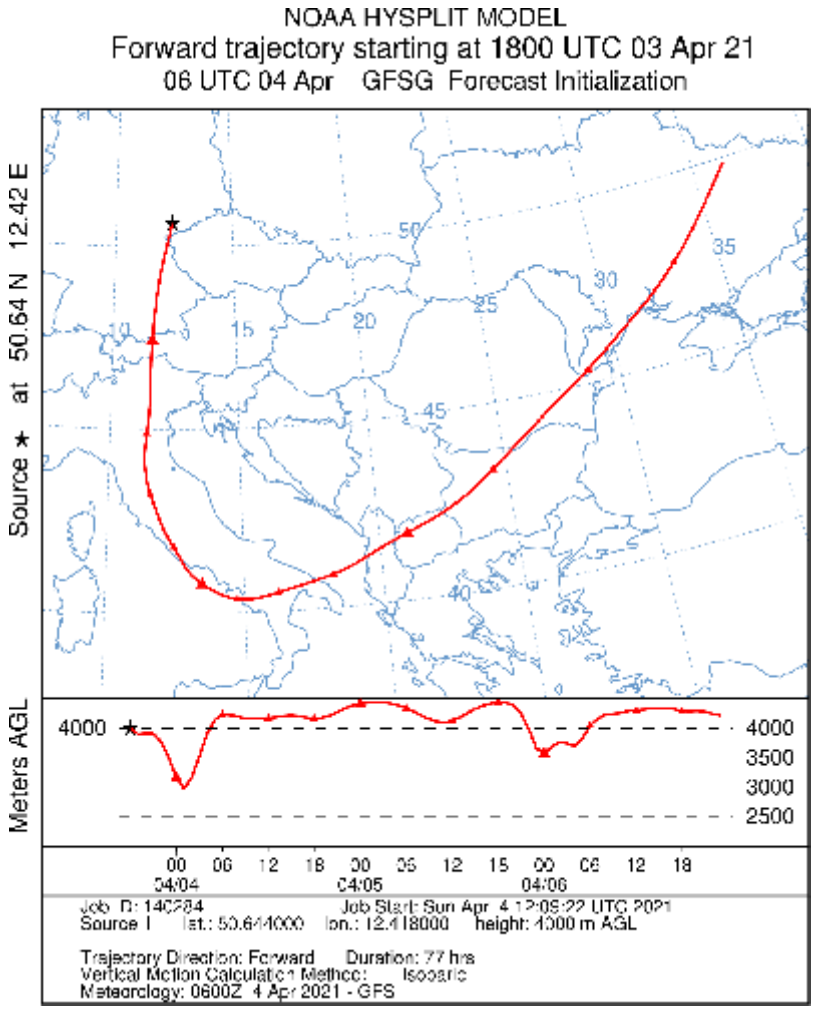


2021/04/04 1200UTC

Bitterfeld

B05

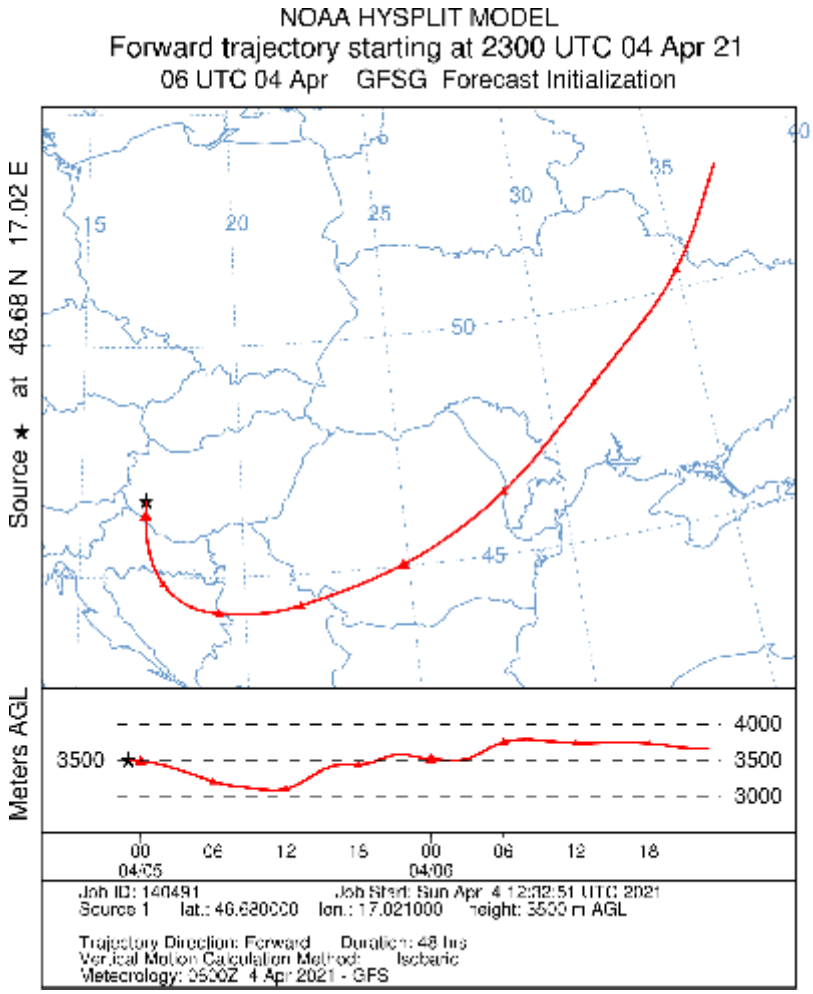
New altitude at 1800 UTC 50.6440 N / 12.4180 E



hysplittraj_140284.kmz
trajplot_140284.pdf
tdump.140284.txt

B15

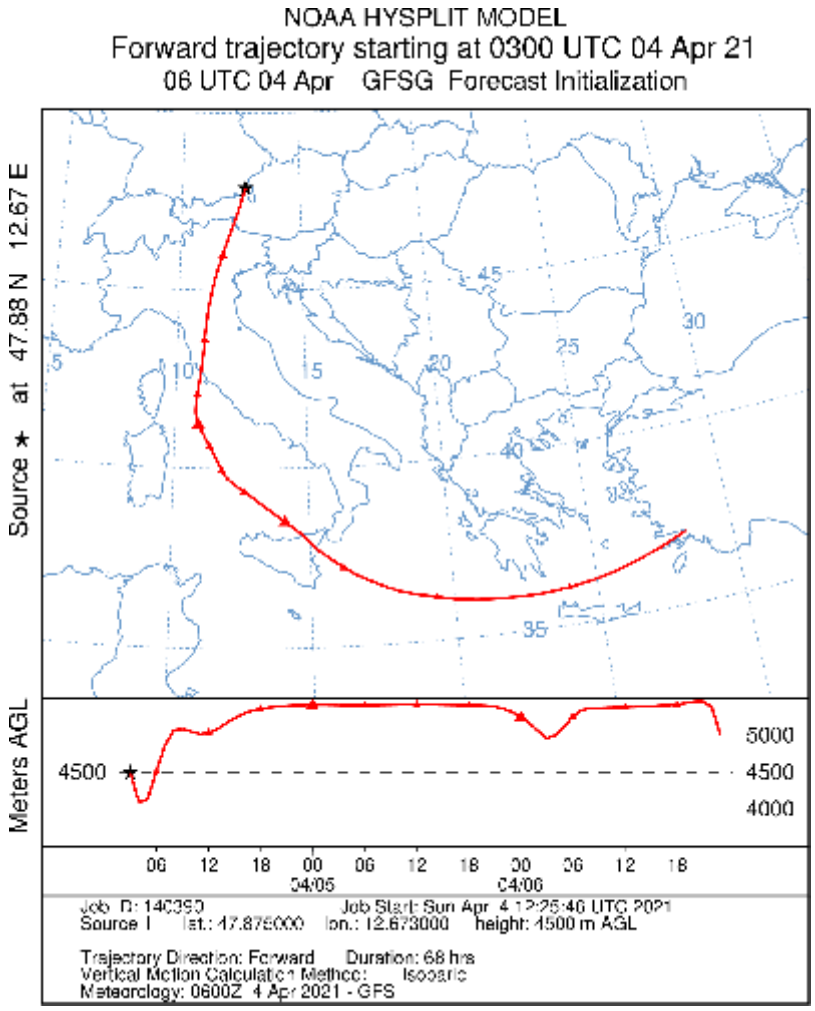
New altitude at 2300 UTC 46.6800 N / 17.0210 E



hysplittraj_140491.kmz
trajplot_140491.pdf
tdump.140491.txt

B25

New altitude at 0300 UTC 47.8750 N / 12.6730 E

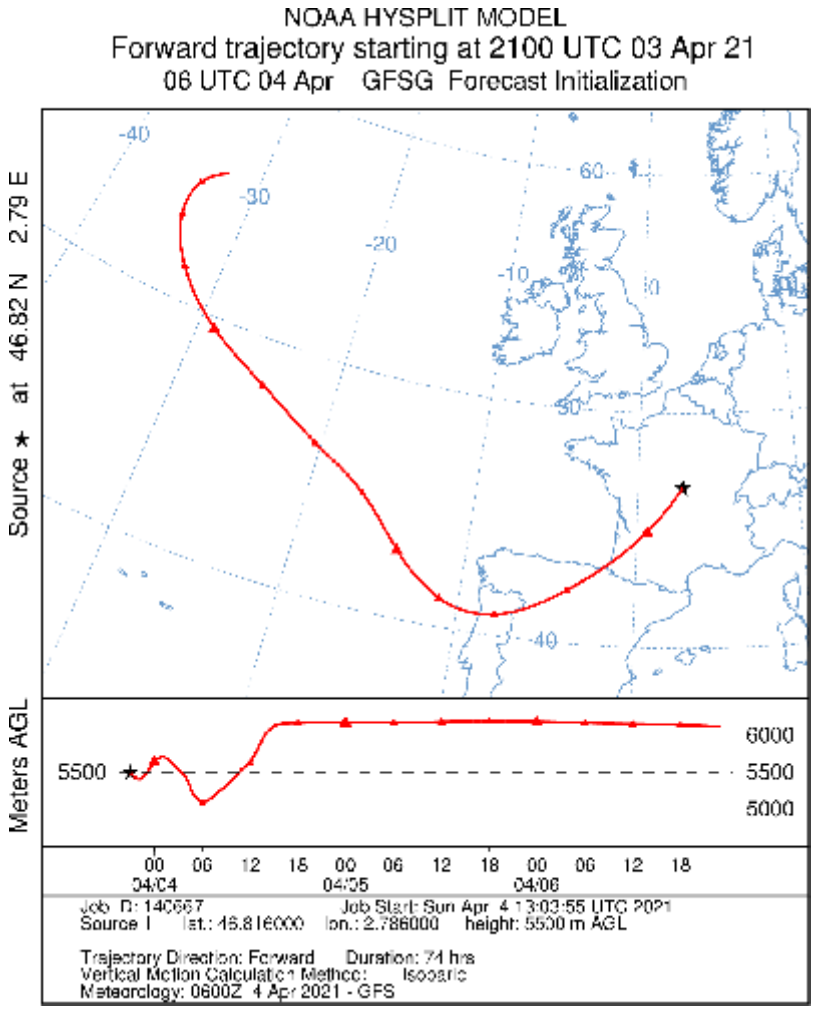


hysplittraj_140390.kmz
trajplot_140390.pdf
tdump.140390.txt

Nancy

N05

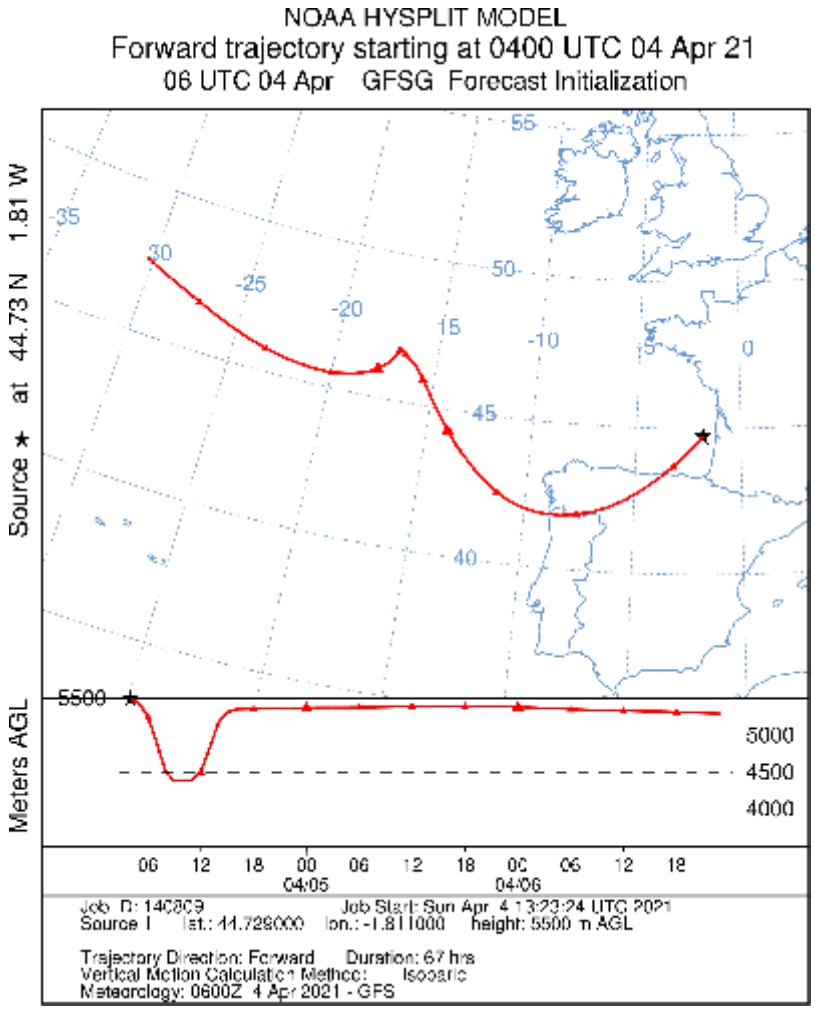
New altitude at 2021/03/04 2100 UTC 46.8160 N / 2.7860 E.



hysplittraj_140667.kmz
trajplot_140667.pdf
tdump.140667.txt

N15

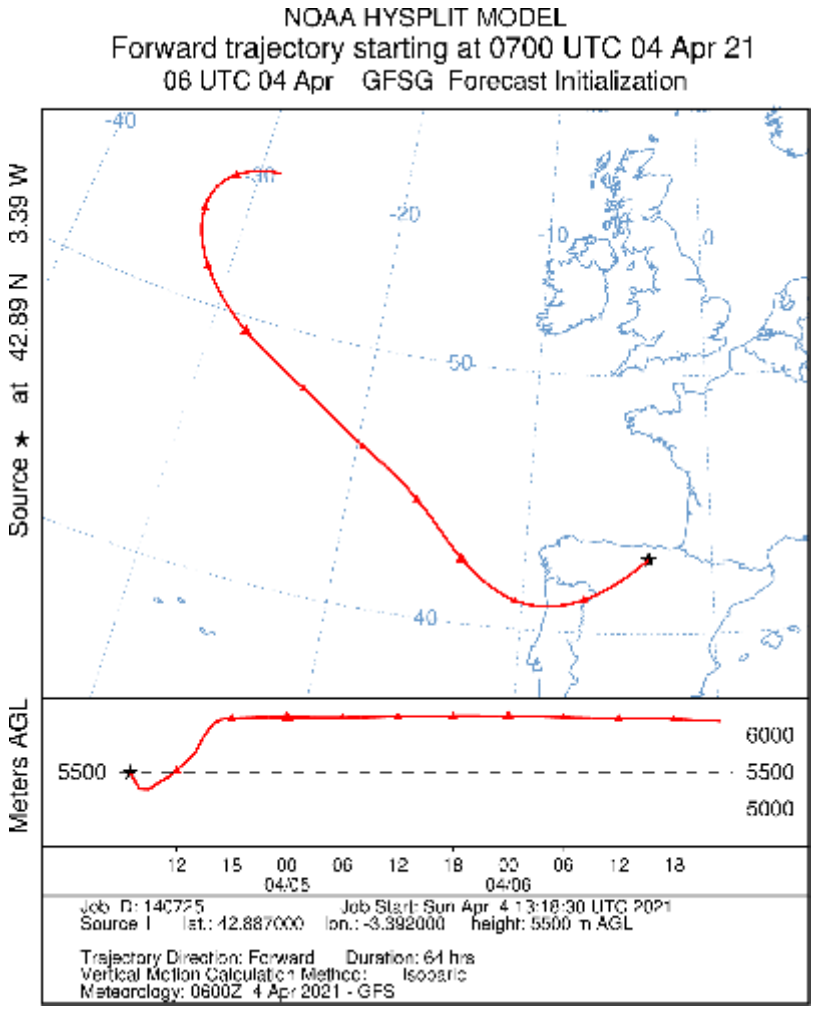
New altitude 0400 UTC 44.7290 N / 1.8110 W



hysplittraj_140809.kmz
trajplot_140809.pdf
tdump.140809.txt

N25

New altitude at 0700 UTC 42.8870 N / 3.3920 W

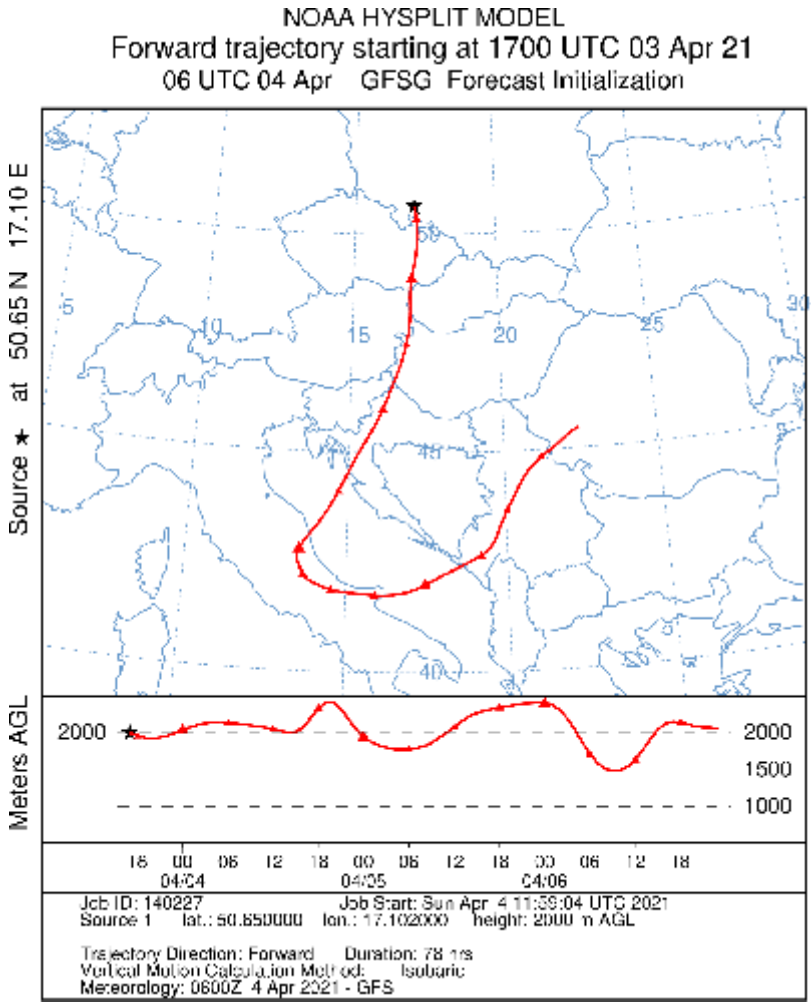


hysplittraj_140725.kmz
trajplot_140725.pdf
tdump.140725.txt

Wrocław

W05

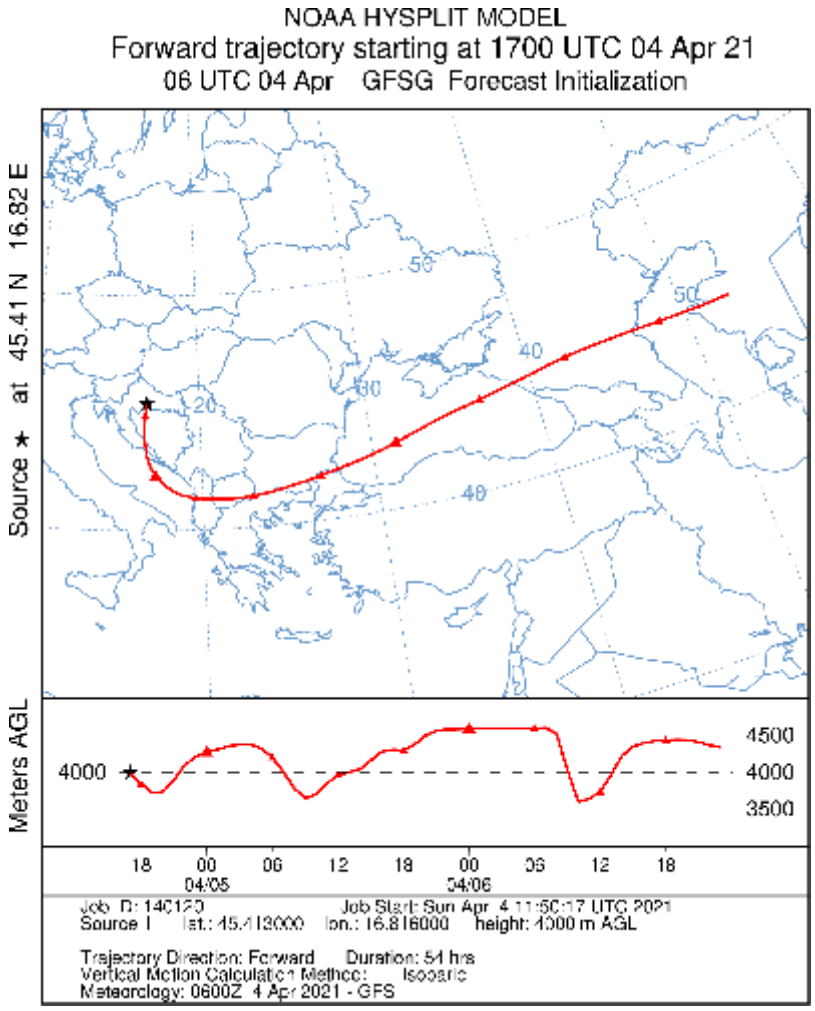
New altitude at 2021/04/03 1700 UTC 50.6500 N / 17.1020 E



hysplittraj_140227.kmz
trajplot_140227.pdf
tdump.140227.txt

W15

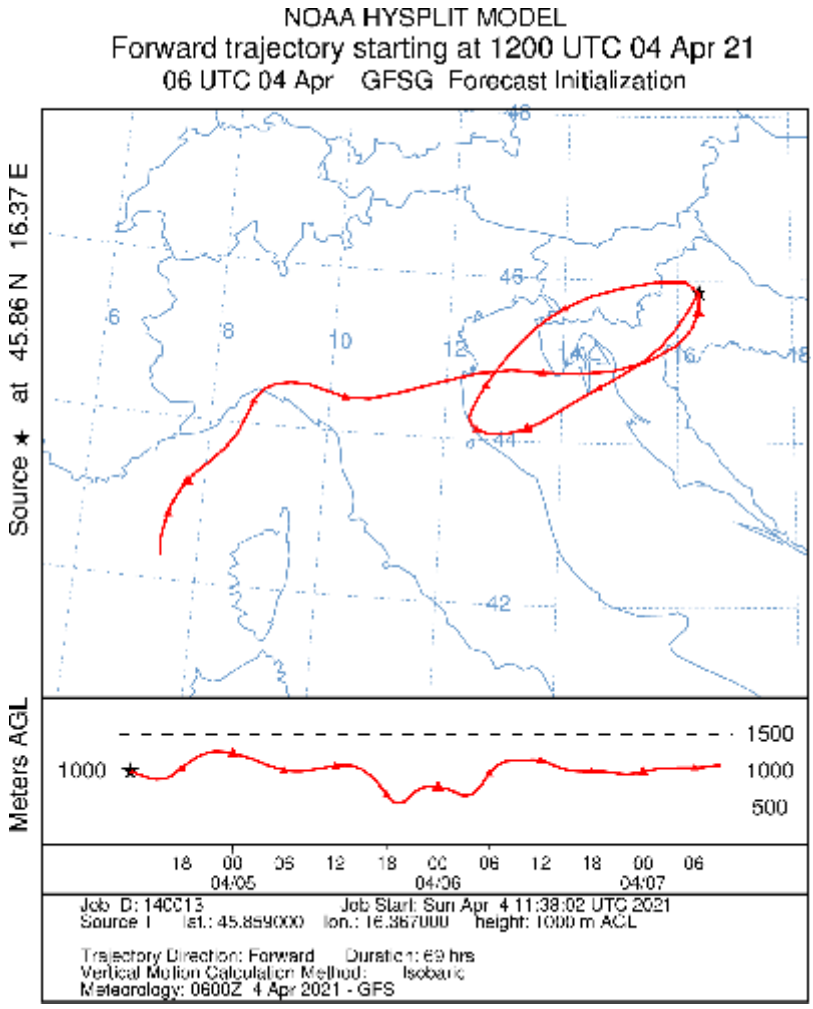
New altitude at 1700UTC 45.4130 N / 16.8160 E



hysplittraj_140120.kmz
trajplot_140120.pdf
tdump.140120.txt

W25

New altitude at 1200UTC and 45.8590 N / 163670 E

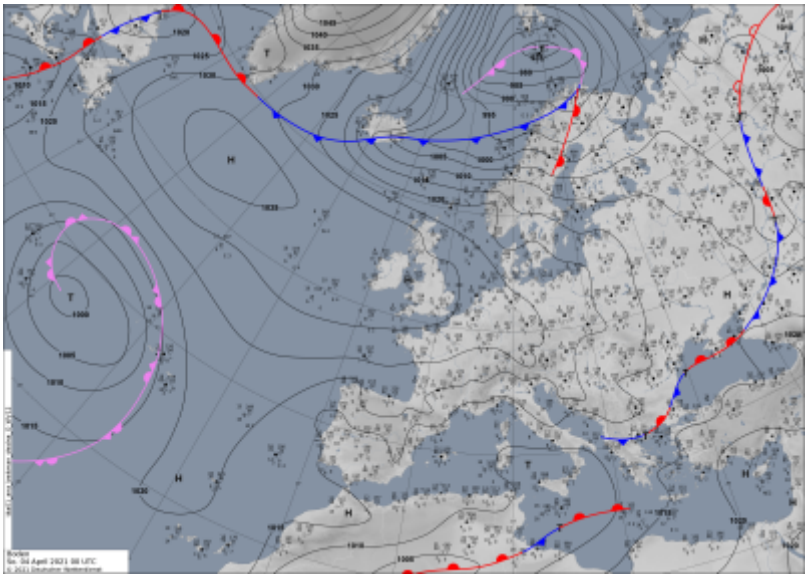


trajplot_140013.pdf
hysplittraj_140013.kmz
tdump.140013.txt

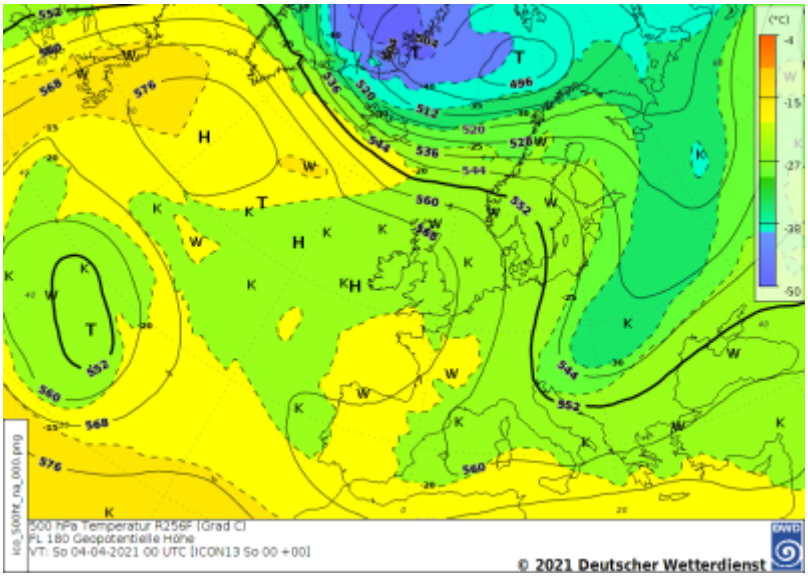
2021/04/03 0200UTC

Last Analyse Chart

Ground



500hPa



2021/04/03 1500UTC

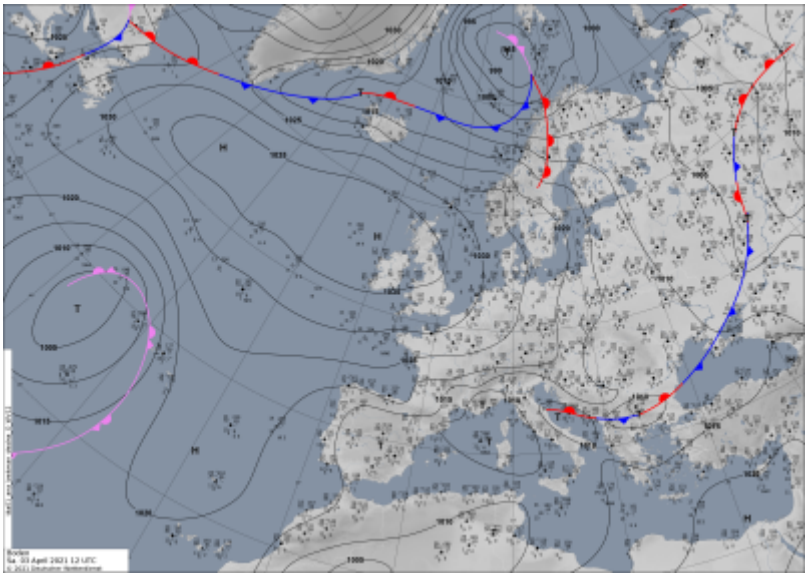
METAR

- 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 =

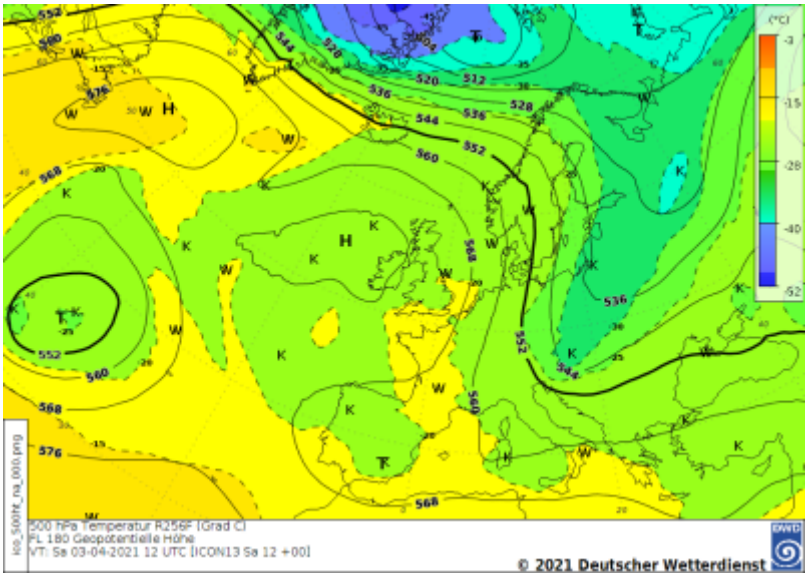
Windy situation. For a virtual departure okay, but in reality to much wind for the balloons. Maybe possible in Wrocław.

Last Analyse Chart

Ground

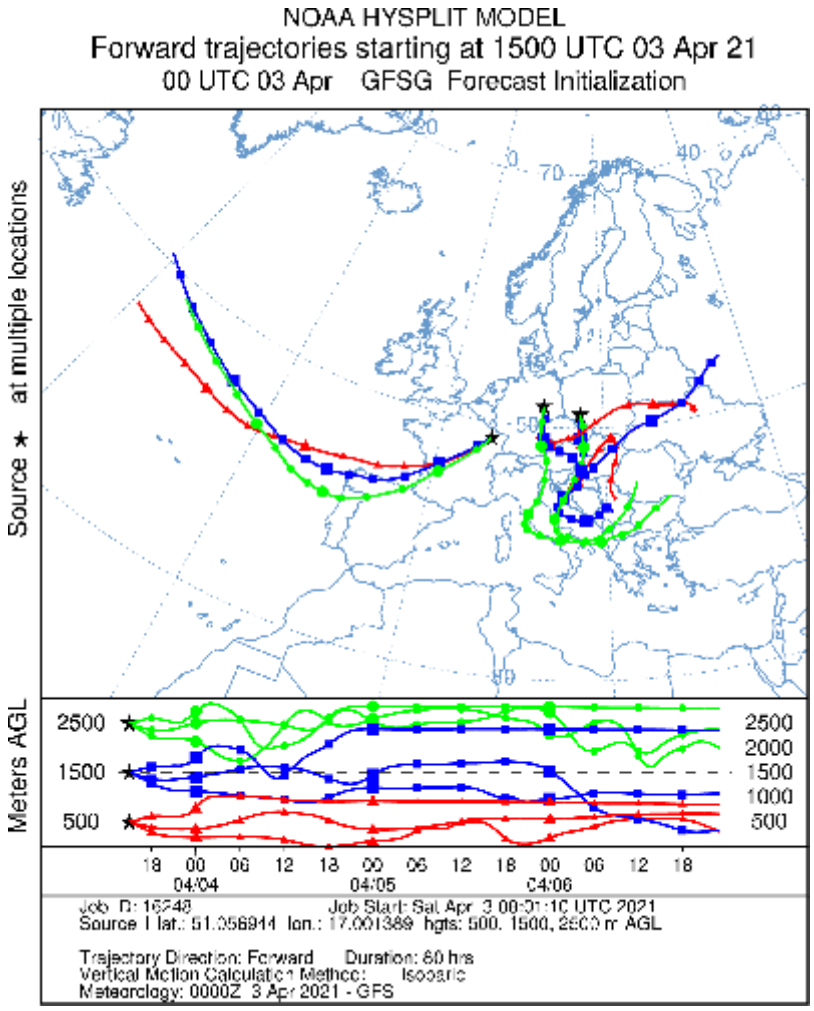


500hPa



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.

Koordinates of the launch points:

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

1)

Volker Löschhorn describes the flight in his book BALLONFAHREN in german language. Title: Ballonfahren Author: Volker Löschhorn, 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

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Permanent link:
https://balloonwiki.org/en/doku.php/virtual_competition/start

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