

ASTRA High Altitude Balloon Flight Planner

UNIVERSITY OF Southampton

Created by Niccolò Zapponi • Status updates on Twitter  
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FLIGHT SIMULATION SETUP

Map Satellite

Export and view options Mark GPS location

**FLIGHT INFORMATION**

Launch date and time (local time)

April 2016

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Time: 08:31

Hour:

Minute:

Gas type:  Helium  Hydrogen

Balloon model: TA1200 (1.2kg)

Parachute model: Rocketman 5 ft

Payload weight: 3.9 kg

Nozzle lift: 04.55 kg

Train equivalent sphere diameter: 0.2 m

LAUNCH SITE

WEATHER DATA

SIMULATION SETTINGS

RUN THE SIMULATION

ASTRA Simulation R...kml

Map data ©2016 Google 2 km

7:17 AM 4/15/2016

Prediction done at 7:15 AM, 4/15/16 using Univ. Southampton prediction program & 4/16 winds

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LAUNCH SITE

WEATHER DATA

SIMULATION SETTINGS

RUN THE SIMULATION

ASTRA Simulation R...kml

Map data ©2016 Google 2 km

7:20 AM 4/15/2016

# Prediction done at 7:15 AM, 4/15/16 using Univ. U. Wyoming prediction program & current winds

ASTRA High Altitude Ball... 0 hour balloon trajectory... 38°58'12.0"N 80°19'19.2" W

https://www.google.com/maps/place/38°58'12.0"N+80°19'19.2"W/@39.0220354,-80.5135741,12z/data=!4m2!3m1!1s0x0:0x0

38.97,-80.322

38°58'12.0"N 80°19'19.2"W

Directions

SAVE NEARBY SEND TO YOUR PHONE SHARE

ASTRA Simulation R...kml

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7:24 AM 4/15/2016

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Export and view options | Mark GPS location

UNIVERSITY OF Southampton

Launch date and time (local time)

April 2016

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Time: 08:31

Hour:

Minute:

Gas type:  Helium  Hydrogen

Balloon model: TA1500 (1.5kg)

Parachute model: Rocketman 5 ft

Payload weight: 3.9 kg

Nozzle lift: 04.55 kg

Train equivalent sphere diameter: 0.1 m

LAUNCH SITE

WEATHER DATA

SIMULATION SETTINGS

RUN THE SIMULATION

Map | Satellite

Map data ©2016 Google 2 km

ASTRA Simulation R....kml

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ASTRA High Altitude Balloon Flight Planner

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Launch date and time (local time)

April 2016

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Time  
Hour: 08:31  
Minute: [Slider]

Gas type  
 Helium  Hydrogen

Balloon model  
TA1500 (1.5kg)

Parachute model  
Rocketman 5 ft

Payload weight  
3.9 kg

Nozzle lift  
04.55 kg

Train equivalent sphere diameter  
0.1 m

Map Satellite

Export and view options Mark GPS location

Map data ©2016 Google 2 km Terms of Use Report a map error

ASTRA Simulation R...kml

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7:34 AM 4/15/2016