

# Which Airport is better to fly from? Baltimore/Washington International Airport or Dulles International Airport



The first plot on the right shows the different types of delays at both the airports. IAD seems to have high NAS delays as compared to BWI. The security delays are the least at both the airports and the highest causes of delay seems to be the carrier and late aircraft at both the airports.

## Causes of Delays:

**Carrier Delay:** It is within the control of the air carrier. Examples of occurrences that may determine carrier delay are: aircraft cleaning, aircraft damage, awaiting the arrival of connecting passengers or crew, baggage, bird strike, cargo loading, catering, computer, outage-carrier equipment.

**Weather Delay:** It is caused by extreme or hazardous weather conditions that are forecasted or manifest themselves on point of departure, enroute, or on point of arrival.

**NAS Delay:** that is within the control of the National Airspace System (NAS) may include: non-extreme weather conditions, airport operations, heavy traffic volume, air traffic control, etc.

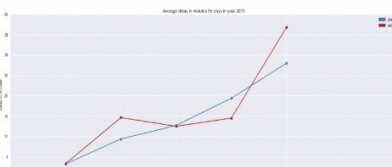
**Security Delay:** It is caused by evacuation of a terminal or concourse, re-boarding of aircraft because of security breach, inoperative screening equipment and/or long lines in excess of 29 minutes at screening areas.

**Late Arrival Delay:** It is due to the late arrival of the same aircraft at a previous airport.

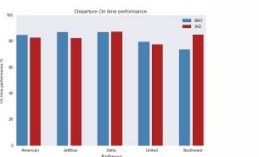
The second plot on the right shows that the average delay for a day is minimum in the morning and it increases as the day advances, it is therefore recommended to take morning flight to avoid delays.



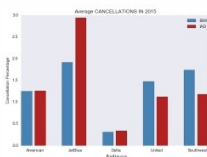
Average delay in minutes for days in year 2015



Departure on time performance



Average cancellations in 2015



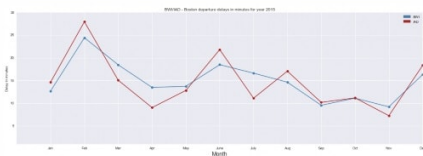
Southwest seems to have a better on time performance from IAD as compared to BWI and JetBlue seems to have a better on time performance from BWI

JetBlue seems to have the highest average cancellations (around 3%) from IAD and Delta airlines seems to have the lowest cancellations from both the airports.

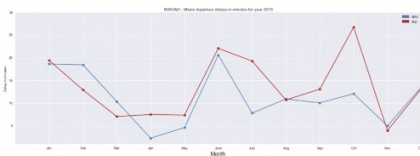
It seems that BWI is a better choice if you are flying with JetBlue.

## Departure delays in minutes for year 2015 (BWI/IAD to FIVE CITIES)

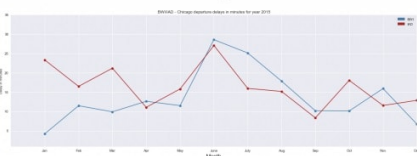
BWI/IAD - Boston



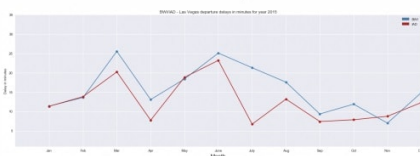
BWI/IAD - Miami



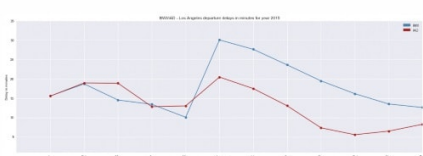
BWI/IAD - Chicago



BWI/IAD - Las Vegas

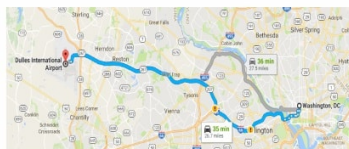
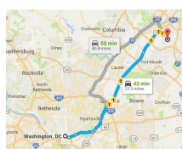


BWI/IAD - Los Angeles



## Recommendations: If you are travelling by car from the following cities to BWI/IAD

### Washington DC to BWI/IAD

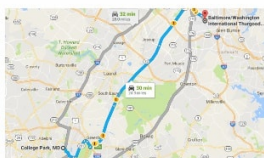
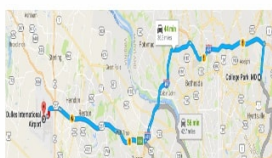


The travel time from Washington DC to BWI is around 40-50 minutes by car and around 30-35 minutes by train. While the travel time to IAD is around 40 minutes by car and around an hour by public transport.

If you stay in Washington DC and want to fly to Boston in the month of July or October it would be recommended to fly from BWI instead of IAD as the difference in average departure delay is around 10-15 minutes. It is also recommended to take flight in the mornings instead of evenings if you want to avoid delays.

If you stay in Washington DC and want to fly to Las Vegas in the month of July it would be recommended to fly from IAD instead of BWI as the difference in average departure delay is around 20 minutes.

### College Park (Maryland) to BWI/IAD

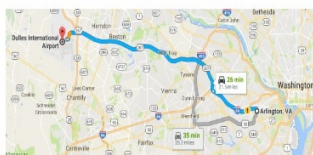
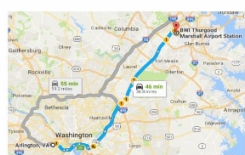


The travel time from College Park to BWI is around 30-50 minutes by car and around 47 minutes by train. While the travel time to IAD is around 40 minutes to one hour by car and around 1.5 hour by public transport.

If you stay in College Park and want to fly to Chicago in the month of January. It would be recommended to fly from BWI instead of IAD as the difference in average departure delay is around 20-25 minutes.

If you stay in Arlington and want to fly to Las Vegas in the month of July it would be recommended to fly from IAD instead of BWI as the difference in average departure delay is around 20 minutes.

### Arlington (VA) to BWI/IAD



The travel time from Arlington to BWI is around 45 minutes to one hour by car and around 47 minutes - 1.5 hour by train. While the travel time to IAD is around 30 - 50 minutes by car and around 1-1.5 hour by public transport.

If you stay in Arlington and want to fly to Boston in the month of October it would be recommended to fly from BWI instead of IAD as the difference in average departure delay is around 20-25 minutes.

If you stay in Arlington and want to fly to Las Vegas in the month of July it would be recommended to fly from IAD instead of BWI as the difference in average departure delay is around 20 minutes.