

Description of Data and Access Instructions

Real-Time Subway Feed 2.0, MBTA

Files with predictions for the Blue, Orange and Red lines are available in CSV and JSON. The formats contain the same information.

Line	CSV	JSON
Blue	http://Developer.mbta.com/lib/rthr/blue.csv	http://Developer.mbta.com/lib/rthr/blue.json
Orange	http://Developer.mbta.com/lib/rthr/orange.csv	http://Developer.mbta.com/lib/rthr/orange.json
Red	http://Developer.mbta.com/lib/rthr/red.csv	http://Developer.mbta.com/lib/rthr/red.json

CSV data sample

Each row below represents one predicted arrival of one train at one station.

CurrentTime	Line	TripID	Destination	StopID	Stop	SecondsAway	PosTimestamp	TrainNumber	PosLatitude	PosLongitude	PosHeading	Note
1325457516	Red	982D7CCB	Alewife	70076	Park Street	53	1325457463	1831	42.35526	-71.06016	310	
1325457516	Red	982D7CCB	Alewife	70074	Charles/MGH	199	1325457463	1831	42.35526	-71.06016	310	
1325457516	Red	982D7CCB	Alewife	70072	Kendall/MIT	352	1325457463	1831	42.35526	-71.06016	310	
1325457516	Red	982D7D22	Braintree	70105	Alewife	1039						
1325457516	Red	982D7CE7	Alewife	70096	JFK/UMass	0	1325457178	1864	42.2773	-71.03159	330	Big Red

CSV definitions

CurrentTime	Time data was last updated, in epoch time.
Line	Transit line (Blue, Orange, Red.)
TripID	Uniquely identifies the trip. Does not match GTFS trip ID.
Destination	Destination of the given trip in plain text.
StopID	Identifies the stop this prediction is for. Matches GTFS stop ID.
Stop	The stop the prediction is for, in plain text.
SecondsAway	How many seconds away the train was from the stop at the time the data was output (i.e. relative to CurrentTime). Note: this information is transmitted in seconds, but displaying the countdown to customers rounded off to the nearest minute is recommended practice.
PosTimestamp	Timestamp of the train's latitude, longitude, and heading (if available). Epoch time.
TrainNumber	Number of the lead car of the train. Matches number physically painted on train.
PosLatitude	Train's latitude (decimal) at time indicated in PosTimestamp.
PosLongitude	Train's longitude (decimal) at time indicated in PosTimestamp.
PosHeading	Train's heading (degrees) at time indicated in PosTimestamp.
Note	Any special note about this train.

JSON data sample

```
{
  "TripList":
  {
    "CurrentTime":1342032950,
    "Line":"Red",
    "Trips": [
      {
        "TripID":"R982ECC1E",
        "Destination":"Alewife",
        "Predictions": [
          {"StopID":"70094","Stop":"Ashmont","Seconds":370}
        ]
      },
      {
        "TripID":"R982ECC78",
        "Destination":"Ashmont",
        "Note":"Big Red",
        "Position":
          {"Timestamp":1342032834,"Train":"1809","Lat":42.38725,"Long":-71.11894,"Heading":185},
        "Predictions": [
          {"StopID":"70067","Stop":"Harvard Square","Seconds":36},
          {"StopID":"70069","Stop":"Central Square","Seconds":260}
        ]
      }
    ]
  }
}
```

JSON definitions

TripList	Contains CurrentTime , Line , and Trips[]
<i>TripList contains:</i>	
CurrentTime	Time data was last updated, in epoch time.
Line	Transit line (Blue, Orange, Red.)
Trips[]	Contains an array of trips. Each trip includes TripID , Destination , Note (if applicable), Position (if applicable), and Predictions[] .
<i>Trips contain:</i>	
TripID	Uniquely identifies the trip. Does not match GTFS trip ID.
Destination	Destination of the given trip in plain text.
Note (if applicable)	Any special note about this train.
Position (if applicable)	Contains Timestamp , Train , Lat , Long , and Heading .
Predictions[]	Contains an array of predictions. Each prediction includes StopID , Stop , and Seconds .
<i>Position contains:</i>	
Timestamp	Timestamp of the position. Epoch time.
Train	Number of the lead car of the train. Matches number physically painted on train.
Lat	Train's latitude (decimal) at time indicated in Position.
Long	Train's longitude (decimal) at time indicated in Position.
Heading	Train's heading (degrees) at time indicated in Position.
<i>Predictions contain:</i>	
StopID	Identifies the stop this prediction is for. Matches GTFS stop ID.
Stop	The stop the prediction is for, in plain text.
Seconds	How many seconds away the train was from the stop at the time the data was output (i.e. relative to CurrentTime). Note: this information is transmitted in seconds, but displaying the countdown to customers rounded off to the nearest minute is recommended practice.