TrafficVis input data API

Example of a valid input file:

{"id":0,"c":{"r":100,"g":234,"b":175},"s":1.0,"z":0,"a":0.5} <-optional
{"id":0,"lat":26.597760954276378,"lon":58.4116354611325,"t":0}
{"id":0,"lat":26.59774068052767,"lon":58.41163742549226,"t":1000}
{"id":0,"lat":26.59772040677897,"lon":58.41163938985203,"t":2000}
{"id":0,"lat":26.597700133030262,"lon":58.41164135421179,"t":3000}

The first line in this example contains particle parameters. It is optional: when omitted, the default values are chosen. Same is true for all the individual parameters except id. Parameters:

- 'id' particle id, string, must be unique per particle
- 'c' particle color, consists of 3 integers (0 .. 255) for each channel, optional (default [230, 50, 0])
- 's' particle size/scale, float, optional (default 1.0)
- 'a' alpha, the opacity of the particle, float (0.0 .. 1.0), optional (default 1.0)
- 'z' particle z value, float (-1.0 .. 1.0) (default 0.0)

The following lines show gps locations in time. The mandatory parameters are:

- 'id' particle id
- 'lat' latitude
- 'lon' longitude
- 't' time at the given coordinates, long (in milliseconds) , can start from 0 or be an actual date

The lines don't have to be in correct order (regarding the time) but it speeds up the parsing because otherwise coordinates have to be sorted. Another example of valid input file (doesn't have specified parameters for particle '0'):

{"id":0,"lat":26.597416300548396,"lon":58.4116688552485,"t":322000}
{"id":0,"lat":26.597396026799693,"lon":58.41167081960827,"t":324000}
{"id":1,"c":{"r":100,"g":234,"b":175} <-optional
{"id":1,"lat":26.78830153633555,"lon":58.32378929748864,"t":322000}
{"id":1,"lat":26.78830406503618,"lon":58.32378306168389,"t":323000}
{"id":1,"lat":26.78830659373681,"lon":58.323776825879136,"t":324000}
{"id":1,"lat":26.788309122437443,"lon":58.32377059007439,"t":325000}