

## data dictionary for files trip\_identified\_part\_#

Table 1. Data sample

unix_start_t	user_ID	mark_1	orig_lat	orig_long	orig_unc	stay_lat	stay_long	stay_unc	stay_dur	stay_ind	human_start_t
1494791989	246074	1	47.44306	-122.301	1	-1	-1	-1	-1	-1	0514-12:59
1494792185	246074	1	47.44413	-122.302	28	-1	-1	-1	-1	-1	0514-13:03
1494792267	246074	1	47.44162	-122.299	30	-1	-1	-1	-1	-1	0514-13:04
1494792283	246074	1	47.44288	-122.299	1	-1	-1	-1	-1	-1	0514-13:04
1494792294	246074	1	47.44296	-122.296	10	-1	-1	-1	-1	-1	0514-13:04
1494792300	246074	1	47.44396	-122.296	5	-1	-1	-1	-1	-1	0514-13:05
1494792304	246074	1	47.44474	-122.296	5	-1	-1	-1	-1	-1	0514-13:05
1494792308	246074	1	47.44522	-122.296	1	-1	-1	-1	-1	-1	0514-13:05
1494792316	246074	1	47.447	-122.297	10	-1	-1	-1	-1	-1	0514-13:05
1494792320	246074	1	47.44776	-122.297	10	-1	-1	-1	-1	-1	0514-13:05
1494792324	246074	1	47.44826	-122.297	1	-1	-1	-1	-1	-1	0514-13:05
1494792332	246074	1	47.44984	-122.297	10	-1	-1	-1	-1	-1	0514-13:05
1494792336	246074	1	47.45037	-122.298	10	-1	-1	-1	-1	-1	0514-13:05
1494792339	246074	1	47.45111	-122.299	1	-1	-1	-1	-1	-1	0514-13:05
1494792346	246074	1	47.45205	-122.3	10	-1	-1	-1	-1	-1	0514-13:05
1494792360	246074	1	47.45502	-122.3	10	-1	-1	-1	-1	-1	0514-13:06
1494792391	246074	1	47.46117	-122.295	5	-1	-1	-1	-1	-1	0514-13:06
1494792511	246074	1	47.4616	-122.267	5	-1	-1	-1	-1	-1	0514-13:08
1494792856	246074	1	47.5065	-122.198	5	-1	-1	-1	-1	-1	0514-13:14
1494822783	246074	1	47.59492	-122.334	30	47.5948	-122.3332	33	1931	stay3	0514-21:33
1494824903	246074	1	47.59679	-122.331	67	47.5967	-122.3316	62	3596	stay1	0514-22:08
1494828722	246074	1	47.59535	-122.333	65	47.5948	-122.3332	33	719	stay3	0514-23:12
1494829975	246074	1	47.59028	-122.334	65	47.5908	-122.3333	0	493	stay2	0514-23:32
1494830962	246074	1	47.54969	-122.19	65	-1	-1	-1	-1	-1	0514-23:49
1494830984	246074	1	47.54969	-122.188	1	-1	-1	-1	-1	-1	0514-23:49
1494831006	246074	1	47.54867	-122.186	65	-1	-1	-1	-1	-1	0514-23:50
1494831012	246074	1	47.54771	-122.186	65	-1	-1	-1	-1	-1	0514-23:50
1494831016	246074	1	47.54742	-122.186	1	-1	-1	-1	-1	-1	0514-23:50
1494831027	246074	1	47.54613	-122.185	65	-1	-1	-1	-1	-1	0514-23:50
1494831032	246074	1	47.54532	-122.186	65	-1	-1	-1	-1	-1	0514-23:50
1494831069	246074	1	47.54487	-122.185	1	-1	-1	-1	-1	-1	0514-23:51
1494831112	246074	1	47.53649	-122.186	65	-1	-1	-1	-1	-1	0514-23:51
1494831118	246074	1	47.53604	-122.186	65	-1	-1	-1	-1	-1	0514-23:51
1494831127	246074	1	47.53523	-122.186	1	-1	-1	-1	-1	-1	0514-23:52
1494831144	246074	1	47.53353	-122.186	65	-1	-1	-1	-1	-1	0514-23:52
1494831216	246074	1	47.53358	-122.183	65	-1	-1	-1	-1	-1	0514-23:53
1494831587	246074	addedp	47.53407	-122.183	165	47.5341	-122.1836	812	9410	stay0	0514-23:59
1494849121	246074	1	47.53403	-122.183	5	47.5341	-122.1836	4	21407	stay0	0515-04:52
1494870854	246074	1	47.5347	-122.192	65	-1	-1	-1	-1	-1	0515-10:54

### Description on each column:

<b>unix_start_t</b>	First time stamp observed at this stay.
<b>user_ID</b>	User ID
<b>mark_1</b>	OS type of devices in original data; now modified as “addedphonestay” if it is stay acquired after combining cellular and gps data
<b>orig_lat</b>	Latitude/ Longitude, in original data
<b>orig_long</b>	
<b>orig_unc</b>	Location uncertainty (in meters), in original data
<b>stay_lat</b>	Latitude/Longitude/uncertainty(meters)/duration(seconds) of identified stay; if not a stay but a passing point, marked as “-1”
<b>stay_long</b>	
<b>stay_unc</b>	
<b>stay_dur</b>	
<b>stay_ind</b>	A label is given to each stay; unique for the entire study period, but not ordered.
<b>human_start_t</b>	Translation of unix_start_t; for reading and later calculation convenience; one thing: the date is redefined by using 3AM as the start time of a day (for example, 0515-02:03 is changed to 0514-02:03, meaning if you pull out observations on 0514 using this column, you actually try to pull out observations from 0514-03:00 to 0515-02:59).