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Lateral variations of the midcrustal seismicity in western Nepal: Seismotectonic implications

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1 **TITLE: Lateral variations of the midcrustal seismicity in western Nepal:**
2 **seismotectonic implications**

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15 **Highlights**

16 - *First temporary seismological network in western Nepal resolves the local earthquakes*
17 *hypocentres along the downdip end of locked segments of the Main Himalayan mega-Thrust*
18 *(MHT).*

19 - *Clustered seismicity develops at the intersection between the megathrust and contacts*
20 *between Lesser Himalayan tectonic slivers.*

21 - *Seismic swarms migrate at 50 m/day at the transition zone.*

22 - *The local earthquakes reveal ramps and flat geometry of the megathrust highlighting a new*
23 *segmented fault model for West Nepal.*

24

25 **Abstract**

26 The midcrustal seismicity along the Himalayas depicts some lateral variations. This seismicity
27 is often related to stress build up, at depth, along the downdip extent of the fault segments
28 producing large and great earthquakes. To better characterize these variations, we deployed
29 the first temporary seismological network in West Nepal (HiKNet) ~~for a period of 2 years~~ as a
30 complement to the Nepalese national network. We used automatic picks, manually
31 validated, to perform absolute and relative location of the earthquakes. The resulting
32 catalog contains 2190 local events, shallow to midcrustal (8 – 16 km). The **comparison**
33 between the seismicity and the geologic balanced cross-sections shows that most
34 earthquakes occur within the **hanging wall** of the Main Himalayan Thrust fault nearby ramps
35 or suspected contacts between Lesser Himalayan slivers. Some of the events associated with
36 these geological structures are clustered within weeks-long earthquake swarms with seismic
37 envelopes migrating at 35-50 m/day. These transients are possibly related to fluid migrations
38 or geodetically unresolved slow slip events. The lateral variations of some of the structures
39 associated to this seismicity are likely partially controlling the extent of the coseismic
40 ruptures during intermediate earthquakes that break partly the locked fault zone, in a similar
41 way to what was reported after the Mw7.8 2015 Gorkha-Nepal earthquake. A better
42 characterization of the faults segmentation, **including a better location and extent of the**
43 **seismogenic segments at depth**, is an important input for seismic hazard studies.

44

45

46 1. Introduction

47 Large and great earthquakes (respectively M7+ and M8+) often coexist along oceanic and
48 continental subduction zones, partially or totally rupturing the locked updip-end of the
49 megathrust fault systems. The endpoints of these earthquake ruptures can sometimes be
50 related to the presence of persistent rupture barriers, which prevent rupture from
51 propagating from one fault segment to another along the thrust fault system. The most
52 frequently invoked causes for their existence, along-strike and downdip, have been
53 associated to local mechanical properties or structural reasons. Indeed, some of these
54 barriers along oceanic subductions fall within regions of low interseismic coupling at the
55 periphery of locked fault patches (e.g. Prawirodirdjo et al., 2010; Métois et al., 2012 ; Saillard
56 et al., 2017), with a mechanical behavior that may reflect the influence of the thermal and
57 petrophysical structures (e.g. Satriano et al., 2014). They are also likely to be influenced by
58 the geometry of either the subducting slab and/or the overriding plate (e.g. Dominguez et
59 al., 1998; DeShon et al., 2005).

60 Despite the many studies conducted along strike in the Himalayas, the most iconic of the
61 continental subductions, the Main Himalayan Thrust (MHT) system segmentation remains
62 poorly understood. However, historical studies and paleoseismological surveys in central-
63 eastern Nepal revealed the coexistence of both large and great earthquakes, partially or
64 totally rupturing the ~90 km-long locked fault zone from its downdip end to the surface (e.g.
65 in Bollinger et al., 2016; Wesnousky et al., 2017). Furthermore, the presence of subducting
66 basement highs and basins, and lateral variations of the Lesser Himalaya structure and
67 exhumation, suggest the presence of a strong and persistent mechanical and structural
68 heterogeneities along the plate boundary (e.g. Bollinger et al., 2004; VanDerBeek et al.,

69 2016). Finally, the study of the 2015Mw7.8 Gorkha earthquake revealed that its rupture was
70 influenced by structural heterogeneities (Hubbard et al., 2016; Wang et al., 2017). Some of
71 these along-dip and along-strike MHT heterogeneities appear to be revealed by the close
72 examination of the midcrustal seismicity- produced during the interseismic and/or post-
73 seismic periods (Letort et al., 2016; Baillard et al., 2017; Hoste-Colomer et al., 2017). The
74 almost continuous midcrustal seismicity belt described along the whole Himalayan range
75 (e.g. Pandey et al., 1995; Kumar et al. , 2006; DelaTorre et al., 2005 ; Monsalve et al., 2006 ;
76 Mahesh et al., 2013 ; Diehl et al., 2017), may therefore reveal other structural
77 heterogeneities and/or possible variations in stress build up. The region encompassing the
78 largest spatial variations is located in Western Nepal, in the supposed trace of the great
79 1505AD earthquake (e.g. Yule et al., 2006; Hossler et al., 2015; Bollinger et al., 2016), a
80 region that has never been monitored previously using a dense local seismological network.
81 The Birendranagar Regional Seismological Center (RSC), Surkhet, has been monitoring there
82 the seismicity since 1994 locating more than 20 000 local earthquakes with a network of up
83 to 9 stations (Figure 1). The midcrustal seismic pattern appears rather heterogeneous
84 (Pandey et al., 1999), the seismicity being distributed in a pitchfork shape with three
85 seismicity belts: Bajhang (west), North Karnali (northeast) and South Karnali (southeast)
86 (Figure 1). However, the relation between this seismicity and the local structures is unclear
87 because of the large uncertainties associated to the depth of the local earthquakes.

88 In order to better resolve the relation between the regional seismicity and the geological
89 structures, we deployed a temporary seismological network above the midcrustal seismic
90 clusters in Western Nepal for a period of two years. The records were processed using a
91 workflow including 1) automatic picking and primary locations, 2) manual picking
92 refinements and 3) double difference relocation. We then analysed the results and

93 confronted them to the geological structures. The spatio-temporal distribution of the
94 seismicity allows us to interpret the seismotectonic context and propose a segmentation
95 schema of West Nepal.

96 **2. The Himalaya Karnali Network (HiKNet)**

97 The Himalaya Karnali NETwork was deployed from November, 2014 to September, 2016
98 through Western Nepal. The network geometry was defined according to the distribution of
99 the seismicity and by maximizing logistic efficiency to install and revisit the remote sites
100 (Figure 1). The network was made of 15 seismic stations distributed in 3 sub-arrays with an
101 inter-stations distance set to the expected depth of the earthquakes (~10-20 km). This
102 condition was well respected for the western and southern belts. However, because of the
103 difficult accessibility to the northern area and the limited number of stations, we privileged a
104 group of 4 stations (MA10, GH25, SJ26, JL27) as close as possible to the seismicity of the
105 North Karnali seismicity belt as well as an additional station north (SM15) in order to enlarge
106 the aperture of the network. The network was composed of 8 **Güralp** CMG40 and 7 **Lennartz**
107 Le3D5s intermediate period seismometers, coupled to Nanometrics Taurus digitizers. The
108 instruments were protected from monsoon rain and animals (see monument details in
109 Hoste-Colomer, 2017). Sites of the stations were close to the bedrock, south orientated and
110 relatively far from local noise sources. Because telemetry was not an option given the
111 telecommunication availability in the remote regions covered by the network, the status of
112 the stations and the signals recorded were only known after revisits of the stations (3 revisits
113 were scheduled: April, 2015, October, 2015 and April, 2016 before dismantling). During the
114 first year, almost all stations recorded continuously during the dry season while 1/3 of them
115 failed after the first revisit or during the summer monsoon. The second year of deployment,

116 most of the stations recorded continuously even during the summer monsoon. Technically,
117 no major problems affected the stations (See Supplementary Material S1).

118 In this study we processed the data from December 1, 2014 and October 10, 2015
119 (Supplementary Figure S1). In addition to the signals acquired at the temporary stations, we
120 benefited from the data recorded at the seismic stations by the RSC permanent
121 seismological network for the same period of time. Combining both networks allowed us to
122 increase the number of stations to 24.

123 **3. Methods**

124 First, we pre-processed the seismic records with an automatic procedure applied using
125 Seiscomp3 developed by GEOFON program, Helmholtz Centre Potsdam, GFZ German
126 Research Centre for Geosciences and Gempa GmbH. We run Seiscomp3 using the off-line
127 mode. For this step we used LocSat locator and iasp91 velocity model within the workflow
128 described in Supplementary Material S2. The magnitude of the seismic events is the local
129 magnitude (MLv) obtained by measuring the maximum amplitude on the vertical component
130 (see Seiscomp3, 2013).

131 In order to refine the hypocenters within the seismic catalog, we revised manually the phase
132 picks and we relocated the events with the Hypo71 locator (Lee and Lahr, 1975) using the
133 local velocity model used at the Nepalese Regional Seismological Center (Pandey, 1985;
134 1995, See Table in supplementary data). ~~We weighted the stations depending on their~~
135 ~~epicentral distance.~~

136 Earthquakes from the revised catalog appeared then to be locally spatially clustered (Figure
137 2). Earthquakes inside these clusters were further relocated using the double-difference
138 algorithm HypoDD (Waldhauser and Ellsworth, 2000).

139 The first step in the relative relocation is the selection of pairs of events at every station. We
140 select for Zone S and Zone W (Figure 2) pairs of events with a maximum hypocentral
141 distance of 5 km and a maximum number of neighbors per event of 10, limiting as much as
142 possible the pairs to the closest neighbors. Moreover, in order to define an event as a
143 neighbor, we set a minimum number of links of 12 for Zone W and 10 for Zone S (Figure 2).
144 These values are rather conservative. The set of stations taken into account also influences
145 the relocation process. Here we limited the distance between the event pair and the station
146 to 80 km in Zone W and 70 km in Zone S. These distances are suitable to focus on the data of
147 the closest stations and to keep a good azimuthal coverage of stations over an event pair.

148 The second step is the relocation itself. The same set of parameters was used for Zone W
149 and Zone S. We performed the relocation using P- and S-phases, the velocity model of
150 Pandey (1985), and we resolve the relative relocation using the LSQR inversion. We define
151 three sets of iterations described in Supplementary Material S2. Note that we relocated
152 individually each cluster.

153

154 **4. Results and Discussion**

155 **4.1. Characteristics of the seismicity catalog**

156 Among the 6500 earthquakes detected automatically between December 1, 2014 and
157 October 10, 2015, 2190 earthquakes reviewed manually fall in close proximity to the
158 network. The quality and density of the hypocenters are variable depending upon their
159 position within the seismic network. Indeed, the best located events and the highest rates of
160 events are in Zone W and Zone S, two regions with respectively 9 and 4 seismic stations
161 (Figure 2).

162 The magnitude M_L of the reviewed earthquakes ranges from 0.1 to 5.2, corresponding to
163 magnitude M_{LRSC} 1.0 and 5.5 of the RSC catalog (Supplementary Material S3). Among these
164 earthquakes, 93 % were associated to magnitudes $M_L \leq 2.0$ and are therefore smaller than
165 the completeness magnitude (M_c) of the RSC catalog (Pandey, 1999) which is $M_{LRSC} \sim 2.0$. The
166 histogram shows a maximum number of events $M_L \sim 1.0$, indicating that the M_c is larger or
167 equal to 1.0 (Figure 3). Moreover the Gutenberg-Richter (GR) distribution is linear from
168 $M_L = 4.4$ until $M_L = 1.4$ (Figure 3) where the curve presents a break-in-slope. Therefore we
169 estimate that the completeness magnitude of the catalog in M_L is approximately 1.4. The b-
170 value obtained for the entire catalog is 0.75 ± 0.05 (Figure 3), which is in the range of b-
171 value (0.75-0.95) previously obtained by Pandey et al., 1999 from the permanent western
172 network catalog.

173 **4.2. Lateral variations of the seismicity**

174 The spatial variations of the seismicity recorded during the first-year of the temporary
175 experiment include most of the spatial features revealed by the 30-years seismicity recorded
176 at the RSC network (Figure 1). Among them, the 'pitchfork geometry' of the midcrustal
177 seismicity clusters (Figure 2). It includes a main seismicity belt in Bajhang area which divides

178 eastward in two belts, in the river Karnali area. These two belts are labeled respectively
179 North and South Karnali seismicity belts.

180 During the first year of the temporary experiment, the Bahjang seismicity belt and the South
181 Karnali seismicity belt were particularly active, producing many well located events below
182 the network (Figure 2). These two seismicity belts show different characteristics, from their
183 position and extent along the Main Himalayan thrust fault to the depth of their events.
184 Indeed, the main seismicity belt in Bahjang area begins ~65 km north from the MFT and
185 extends northward over a mere 45 km spread (Figure 2). This seismicity belt appears
186 persistent, though dominated by the generation of a few seismic clusters (See section 4.5).
187 The hypocentral depths of the events fall within 10 and 18-20 km with an average around 13
188 km. The South Karnali seismicity is located significantly further south than the average
189 midcrustal seismic cluster, 40 km north from the MFT (20-30 km north from the MBT) and
190 extends northward only over a ~15 km-large region (Figure 2 and 4). The rate of earthquakes
191 is significantly lower than in the Bahjang belt, the seismicity appears sparser. Despite this
192 apparent discontinuity, its confrontation with the RSC catalog that covers the last 20 years,
193 suggests that this belt extends a parallel, a few kilometers south, from the trace of the
194 contact between the Dadeldhura klippe and the Lower Lesser Himalaya. The hypocentral
195 depths of the earthquakes there are significantly shallower with depths ranging from 8 to 15
196 km with an average around 10 km.

197 North of this southern Karnali seismicity belt, the network recorded few events within a 30-
198 40 km-wide region which separates it from a North Karnali region where the seismicity was
199 found more scattered and comprising no seismic clusters **in the time period analyzed** (Figure
200 2). Note that the completeness magnitude of the catalog in this region is higher ($M_c \sim 1.5$)

201 than in the regions previously described (see Supplementary Material S4). In addition, the
202 hypocenters are less resolved here due to a lower number of phases picked by events and a
203 larger azimuthal gap. Indeed, MA10, SM15, GH25, SJ26 and JL27 are further away from the
204 midcrustal cluster there than elsewhere within the seismic network (Figure 2). It is therefore
205 more difficult to characterize the geometry of this North Karnali seismicity belt with the data
206 available.

207 The first order spatial variations of the seismicity described above, from West to East, are
208 accompanied by significant variations of the surface geology. Indeed, the geological surveys
209 which contributed to map the area documented lateral variations of the exposure and
210 geometry of the Lesser and Greater Himalayan rocks (Figure 4) as well as variations of the
211 faults and geological structures affecting them (e.g. Amatya and Jnawali, 1994; Robinson et
212 al., 2006).

213 Epicenters are mostly located within zones where Lesser Himalayan rocks are exposed
214 (Figure 4). These zones specifically correspond to regions where antiformal stacks of Lesser
215 Himalayan slivers developed. Large klippen of Greater Himalayan rocks affinity – among
216 them the large Dadeldhura klippe - were preserved within large perched synclinoriums in
217 between these zones of prominent Lesser Himalayan antiforms.

218 We therefore focus on possible relations between the seismicity and both active and
219 inherited tectonic structures.

220 We document these relations hereafter through two cross-sections within the seismicity: a
221 western cross section through the Bahjang seismic cluster and a second cross section further
222 east, in the Karnali river area, through the Northern and Southern Karnali seismic clusters.

223 Both are confronted to the balanced cross sections of Robinson et al., 2006, deduced from
224 the surface geological and structural mapping.

225 **4.3. Seismicity and its relation with structures at depth, Western cross section**

226 The hypocenters projected on the western cross-section, through a 20 km-swath of the
227 seismicity crossing Chainpur-Bahjang (RB-RBB cross section Figure 4), fall between 9 and 18
228 km, at short distance from the MHT trace deduced from the balanced cross-sections (Figure
229 5). The depth is also similar to the ~15 km-deep Low Velocity Zone imaged from receiver
230 function analysis below Bajhang area, interpreted to coincide with the MHT shear zone at
231 depth (Subedi et al., 2018). Note that both observations on the depth of the MHT in the
232 region are similar but determined independently. The depth of the MHT along this section is
233 therefore estimated to be reliable.

234 Most of the hypocenters are spread over a distance of approximately 40 km falling mainly in
235 the vicinity of the lower decollement level of the MHT or at close distance within its hanging
236 wall (Figure 5). Indeed, the southern extent of this 40 km-long seismicity spread, composed
237 of more than 400 small earthquakes clustered within a 7 km-long region at midcrustal scale,
238 coincides with the presence of a ~5 km-high midcrustal ramp, which separates the main
239 upper and lower flats of the megathrust system (Robinson et al., 2006 ; figure 5).

240 Two smaller seismic clusters, incorporating respectively more than 100 and 300 events
241 within regions 1.5 and 3 km-long, located ~10 and 20 km northward, fall at the base of the
242 complex stack of Lesser Himalayan (LH) tectonic slivers. Their locations coincide with the
243 suspected position of contacts between the tectonic slivers of the hinterland dipping duplex,
244 which constitutes the main LH duplex of the balanced cross section (Figure 5a).

245 **4.4 Seismicity and its relation with the structures at depth, along an Eastern cross section**
246 **through the Karnali region**

247 As mentioned earlier, the seismicity eastward, in the river Karnali region, is different than
248 further west, in Bahjang area. The seismicity belt of the North Karnali region, poorly
249 represented in 2015 given the absence of intermediate events or seismic swarms, develops
250 110-160 km north from the MFT, below a northward embayment of the high topography.

251 The absence of dense seismic cluster developing there in 2015 as well as the uncertainties
252 associated to the hypocentral locations did not allow us to associate the seismicity to any
253 specific structures. However, the balanced cross-section proposed by Robinson et al., 2006
254 document the presence of a ramp, 120 km-north from the MFT, below a complex Lesser
255 Himalayan duplex which coincides approximately with the location of midcrustal North
256 Karnali hypocenters (Figure 5c).

257 Some of the events located by the temporary experiment could be related to the activation
258 of the ramp and or to seismicity located at the contact between LH tectonic slivers within at
259 least a section of the duplex that develops further North (Figure 5c). Some of the
260 intermediate earthquakes located there in the past where clearly thrust type events (e.g.
261 27/11/2001 mb5.5 and 5.3, source global CMT project), advocating for stress build up and
262 episodic ruptures on the Main Himalayan Thrust fault lower flat and/or the midcrustal ramp.
263 However, the northern part of this region, at least, presents also past earthquakes ruptures
264 on active transtensional faults that make the regional context rather complex (Nakata et al.,
265 1984; Murphy et al., 2014).

266 Southward, the downdip extent of the upper flat of the MHT, 85 to 110 km from the MFT,
267 was seismically quiescent in 2015. This observation confirms, at lower completeness

268 magnitude levels and with higher resolutions, the observations made by RSC (e.g. Pandey et
269 al., 1999) that this area was seismically quiescent – at least during the last 23 years covered
270 by the permanent network in the region.

271 Despite this quiescence, the South Karnali seismicity belt develops 40 km southward, less
272 than 30 km from the MBT. Further south, 3 clusters were documented in 2015. Two of them,
273 cluster KS for Kusapani and DK for Dailekh, are located within the 20 km-wide swath covered
274 by the Karnali cross section Figure 5c. They fall 12 km from each other and occurred at
275 similar distances from the leading-edge of the Dadeldhura Thrust sheet (Figure 5). On
276 average, the hypocenters of the Kusapani cluster were located 12.5 km-deep, 3 km deeper
277 than the earthquakes located below Dailekh (located 9 km-deep) (Figure 5). These
278 hypocentral depths are shallower and better constrained than the depths determined with
279 the permanent network for the southern Karnali belt. Indeed, four temporary seismic
280 stations were located above the two clusters, while the permanent network is not optimally
281 positioned for determining precisely the depth of the seismicity, the contributing stations to
282 the small earthquakes located in the south Karnali cluster being all positioned southward.

283 The relocated earthquake clusters fall within short distances from Robinson et al., 2006 Main
284 Himalayan Thrust upper decollement, with KS cluster slightly (3-4 km) in its footwall and DK
285 cluster on its main trace. These two clusters fall also below the main frontal antiformal stack
286 of LH rocks (Figure 5d). The northern limb of this antiform is the locus of a strong incision.
287 Harvey et al., 2015 described there a region of high denudation and mapped remnants of
288 uplifted flat surfaces (described at 3000-4000m) preserved northward on top of the
289 Dadeldhura klippe (Figure 5d). These observations complemented by the documentation of
290 strong incision along the northern rim of the Dadeldhura thrust sheet are consistent with the

291 present-day activity of a flat-ramp-flat-ramp-flat MHT at depth related to the recent
292 development of a young duplex horse 60 km from the MFT (Harvey et al., 2015).

293 The denudation of the reliefs at the southern rim of the Dadeldhura klippe documented by
294 Harvey et al., 2015 is focused slightly north of the KS and DK clusters epicenters (Figure 5).
295 The clusters fall also in between the southern rim of the Dadeldhura klippe to the north and
296 the axis of an anticlinal fold to the south (Amatya and Jnawali, 1994). This anticlinal fold is
297 mapped precisely between Kusapani and Dailekh clusters, an area along which this anticlinal
298 is prominent (Figure 5). This anticlinal and the young duplex horse that is suspected beneath
299 this area may develop above a local active ramp of the MHT. This structure is most probably
300 at the origin of the anticlinal fold mapped in the area. The local relations between this ramp,
301 suspected at 10-15 km depths, and the seismic clusters located beneath Dailekh and
302 Kusapani are not easy to ascertain: the seismicity is discontinuous and its hypocenters do
303 not define a clear northward dipping plane but two 60° dipping planes respectively toward
304 the NE and NW for Dailekh and Kusapani. Note that this ramp is in a similar structural
305 position than the ramp mapped along the southern extension of the Gorkha earthquake
306 under the south western extension of the Kathmandu klippe (Khanal and Robinson, 2013;
307 Hubbard et al., 2016) or under the easternmost part of Nepal (Schelling and Arita, 1991).

308 **4.5. Seismicity impulses and migrations**

309 The spatiotemporal analysis of the catalog revealed several significant time variations of the
310 seismicity rate at regional scale. The seismicity rate above M_c , around 3 events per day
311 during the first month, suddenly increased in late January. It then reached a peak at 60
312 events per day on January the 22nd and remained high during the following weeks. From
313 March to September 2015, the activity slowed down to ~1.5 events per day (Figure 6). A

314 closer look at local scale demonstrated that most of the local increases of the seismicity rate
315 are associated to the development of 6 main seismic clusters. None of these clusters
316 developed consecutively to the occurrence of the largest earthquakes (e.g. events with
317 $ML > 4$ on Figure 6). In addition, the mainshock of each cluster never happened at the onset
318 of the local activity (e.g. Figure 7) and the clustered activity happened to migrate through
319 time. The best resolved example of migrations occurred within cluster A (29.50°N, 81.05°E).
320 The sequence of earthquakes began there on 14/12/2014 and migrated bilaterally. The
321 southeast and northwest-ward migrations of the envelope of earthquakes propagated
322 respectively during 36 and 14 days between 50 and 35 meters/day (Figure 8 and 9). This
323 migration could be related to fluid diffusion or to the propagation of a local transitory slow
324 slip event along some sections of the MHT and/or at the contact between the tectonic slivers
325 in its hangingwall. However, to date, no transitory signal potentially related with slow slip
326 events have been detected within the cGPS time series available (e.g. Ader et al., 2012). This
327 suggests that, if these events exist, they are below the actual resolution of the cGPS velocity
328 field. The alternative or complementary scenario involving fluid diffusion is possible. Indeed,
329 the apparent migration velocities estimated are within the range of what was observed at
330 places where seismicity is suspected to be related to fluid circulation at the downdip end of
331 active fault segments (e.g. Duverger et al., 2015) (Figure 5). Scenarios involving a pore
332 pressure migration within 1D poroelastic model (Shapiro et al., 1997) reproduce the overall
333 evolution of the seismicity front, considering hydraulic diffusivities at 0.1 and 0.05 m^2/s .
334 These hydraulic diffusivities are within the range of values previously determined in similar
335 contexts (e.g. Pacchiani and Lyon-Caen, 2010; Duverger et al., 2015 and references herein).
336 Another argument supporting this scenario is that the presence of fluids at midcrustal
337 depths in this region is not surprising. Indeed, metamorphic fluids (brines, CO_2 , among

338 others) are suspected due to the metamorphic reactions occurring at depth. Their presence
339 is suspected to contribute to the high conductivity region observed in a similar structural
340 position under Kathmandu (Lemonnier et al., 1999) in the vicinity of a Low Velocity Zone of
341 the MHT (Nabelek et al., 2009). These fluids, migrating within the fractured/permeable
342 midcrustal environment of the MHT shear zone as well as along subsidiary faults in its
343 hangingwall, could explain, at least partially, the spatiotemporal evolution of the seismic
344 swarms.

345 **4.6. Implications on the segmentation of the megathrust**

346 Midcrustal seismicity as well as the geology present lateral and downdip variations in
347 western Nepal probably related to along strike variations of the geometry of the MHT.
348 Significant variations in the deep geometry of the MHT could be responsible for a
349 segmentation of the fault rupturing at depth. The presence of barriers could influence the
350 rupture dynamics in a similar way than what has been described for the 2015 Gorkha
351 earthquake (e.g. Elliott et al., 2016; Hubbard et al., 2016; Baillard et al., 2017; Hoste-Colomer
352 et al., 2017).

353 We have several reasons to think that large and great earthquakes might coexist in west
354 Nepal, like they coexist in central Nepal where large and great earthquakes partially
355 (1833AD, 2015AD) or totally rupture the MHT (1255AD, 1344AD, 1934AD) (e.g. Bollinger et
356 al., 2016). Indeed, the region ruptured during the great earthquake (M8+) in 1505AD. This
357 event generated a coseismic slip locally greater than 20 meters (Yule et al., 2006) and a
358 rupture identified at three paleoseismological sites excavated from the Nepal-India border
359 until near Jajarkot klippe (Hossler et al., 2015), along more than 200 km-long stretch of the

360 range, 50 to 100 km from the brittle-ductile transition zone. This region also ruptured during
361 smaller earthquakes including the 1916 M7 earthquake (Bilham et al., 2017).

362 These observations are consistent with ruptures affecting large segments.

363 In Central Nepal, some structures at depth interfered with the progression of the coseismic
364 rupture of the Gorkha earthquake (Hoste-Colomer et al., 2017). Among these structures,
365 deep ramps along the MHT controlled the Gorkha earthquake rupture extent (Hubbard et
366 al., 2016). The pluri-kilometric MHT deep ramps (~4 km) which develop under the South
367 Karnali, below the southern extent of the Dadeldhura klippe or the southern extent of the
368 north Karnali window are therefore structures that most likely control the extent of
369 intermediate and/or large ruptures. This ramp is slightly more developed at depth than the
370 2-3 km deep ramp described by Hubbard et al., 2016 in Kathmandu area. Therefore the
371 intermediate South Karnali ramp and the structural ramp under the North Karnali Lesser
372 Himalayan Duplex delineate three distinct segments / MHT flats in Karnali region (K1, K2, K3
373 on Figure 10). In Bajhang area the structural midcrustal ramp separates two flats : (B1) a
374 frontal part including the upper flat of the MHT, fully locked during last years and (B2) a
375 deeper flat underlying the Bajhang seismicity belt which falls within a transition zone
376 (partially locked and/or affected by fluid migrations and connected to the Karnali Zone).

377 The ramps between North and South Karnali areas (between K1 and K2 and K2 and K3)
378 would likely influence a frontal progression of an earthquake rupture in a similar way as the
379 southern deep ramp that was described along the southern extension of the Gorkha
380 earthquake rupture.

381 West of the Karnali region, in Bajhang area, the structural segmentation is less pronounced.

382 The area is more complex, comprising significant lateral variations affecting the geometry of

383 the Lesser Himalaya Duplex, lateral ramps and a complex succession of seismic clusters,
384 suggesting that this region is a transition zone between the Darchula and Karnali regions.
385 The surfaces of each of these segments (i.e. K1, K2, K3, B1 and B2) are approximately
386 comprised between the surfaces ruptured by the Kodari and the Gorkha earthquakes (Figure
387 10). A seismic slip deficit around 10 meters likely accumulated since the last great
388 earthquake in 1505AD in that region according to the present day slip rate on the fault
389 (Jouanne et al., 2017; Stevens and Avouac, 2015). Large or great earthquakes rupturing
390 partially or totally the MHT in the area, locally releasing the total slip deficit accumulated
391 since 1505AD would respectively produce earthquakes of magnitude $\sim 7.9 \leq M_w \leq \sim 8.2$ and
392 $M_w \sim 8.5$ depending on the number of segments ruptured (according to the relations of
393 Kanamori (1977) between seismic moment – rupture surface – slip and seismic moment –
394 seismic moment magnitude) (Figure 10). A more infrequent larger earthquake, rupturing
395 more than the stretch of the Himalaya on which our study focuses, must also be considered.
396 All these scenarios should be integrated in future seismic hazard studies in order to better
397 assess the seismic risks in the region.

398

399 **5. Conclusions**

400 The 15 stations of the HiKNet seismological network temporarily complemented the national
401 network, contributing to a better hypocentral resolution of the regional Western Nepal
402 seismic events. Among the many seismic events detected within the network between
403 December 1st 2014 and October 10th 2015, 2190 local earthquakes were manually
404 reviewed. The best events were then re-localized using absolute and relative relocation
405 schemes. The general pattern of earthquake distributions deduced confirms the existence of

406 significant lateral variations of the epicenters first revealed by the regional network (Pandey
407 et al., 1999). The main seismicity belt which develops at the foot of the high Himalayan
408 range in Bhajang area –at depths now resolved between 10 and 18/20 km- divides in two in
409 the Karnali area. The northern branch develops within a northward topographic embayment
410 and presents a rather scattered seismic activity during the period considered. The southern
411 one occurs at the front of the reliefs that develop south of the Karnali klippe –at depths
412 between 8 and 15 km.

413 In addition to scattered events, the seismicity belts include densely clustered seismic events
414 within pluri-kilometric-long swarms lasting a few days or weeks.

415 When confronted with the local geology, the earthquakes appear structurally controlled.
416 These earthquakes, when considered altogether, appear mostly clustered in the immediate
417 vicinity of the Main Himalayan Thrust fault as well as along the intersections between the
418 megathrust faults and the contacts between Lesser Himalayan tectonic slivers.

419 In addition, the examination of the time structure of the swarms reveals migrations of the
420 earthquakes. Both fluids, through pore pressure diffusion and/or transient slip events could
421 be associated to these earthquake migrations. To date, no transitory slow slip events have
422 been documented by the analysis of the cGPS time series (e.g. Ader et al., 2012). If these
423 events exist, they are below the actual resolution of the cGPS velocity field. Pore pressure
424 diffusion appears to be a likely contributor to some earthquake migrations within cluster, a
425 simple model of pore-pressure diffusion reproducing the bilateral 30-50 meters/day
426 apparent migration of the seismicity estimated along one of the main earthquake swarms.

427 In addition, the lateral variations of the earthquake pattern and its structural control may
428 translate possible seismic coupling variations, not yet properly resolved by the GPS velocity
429 field, still sparse in the region (e.g. Jouanne et al., 2017).

430 Whatever the earthquake engine involved in the spatiotemporal variation of the regional
431 seismicity, the earthquake pattern reveals a structural segmentation of the thrust by pluri-
432 kilometric midcrustal and frontal ramps. The interseismic locking of the area and the
433 presence of historical devastating earthquakes associated to the presence of this structural
434 segmentation suggest that this zone has a potential for producing both large and great
435 earthquakes and therefore constitutes a serious seismic hazard for western Nepal and the
436 adjoining region in Northern India.

437

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448

449

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607

608 **Figures**

609 **Figure 1**

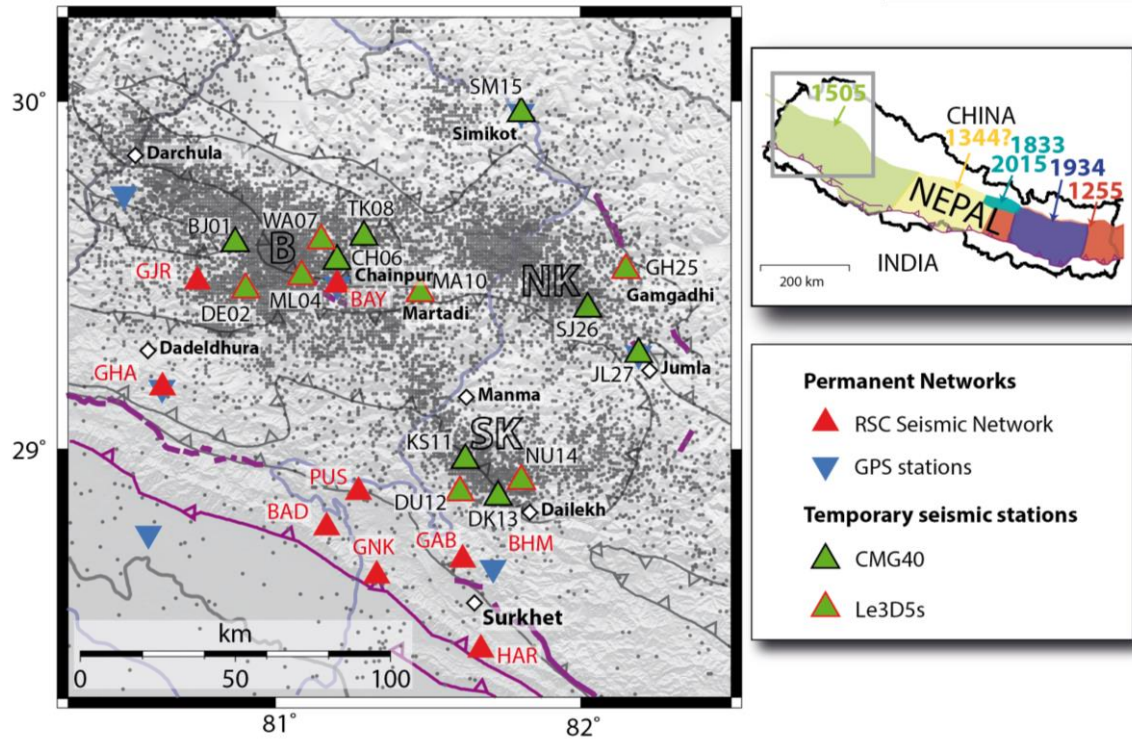


Figure 1. Seismicity map of western Nepal (Mid and Far Western Regions) with the main tectonic structures. Purple lines: MFT and active faults of Nakata, 1982; Gray lines: surface traces of MBT and MCT. Red and green triangles: seismic stations of the permanent and temporary networks. Blue triangles: for—GPS stations. Black points are the : earthquake epicenters located at RSC for the period 1993-2012. White diamonds: main cities referred in the text. B, NK, SK, respectively for Bahjang, North Karnali and South Karnali seismic belts.

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612 **Figure 2**

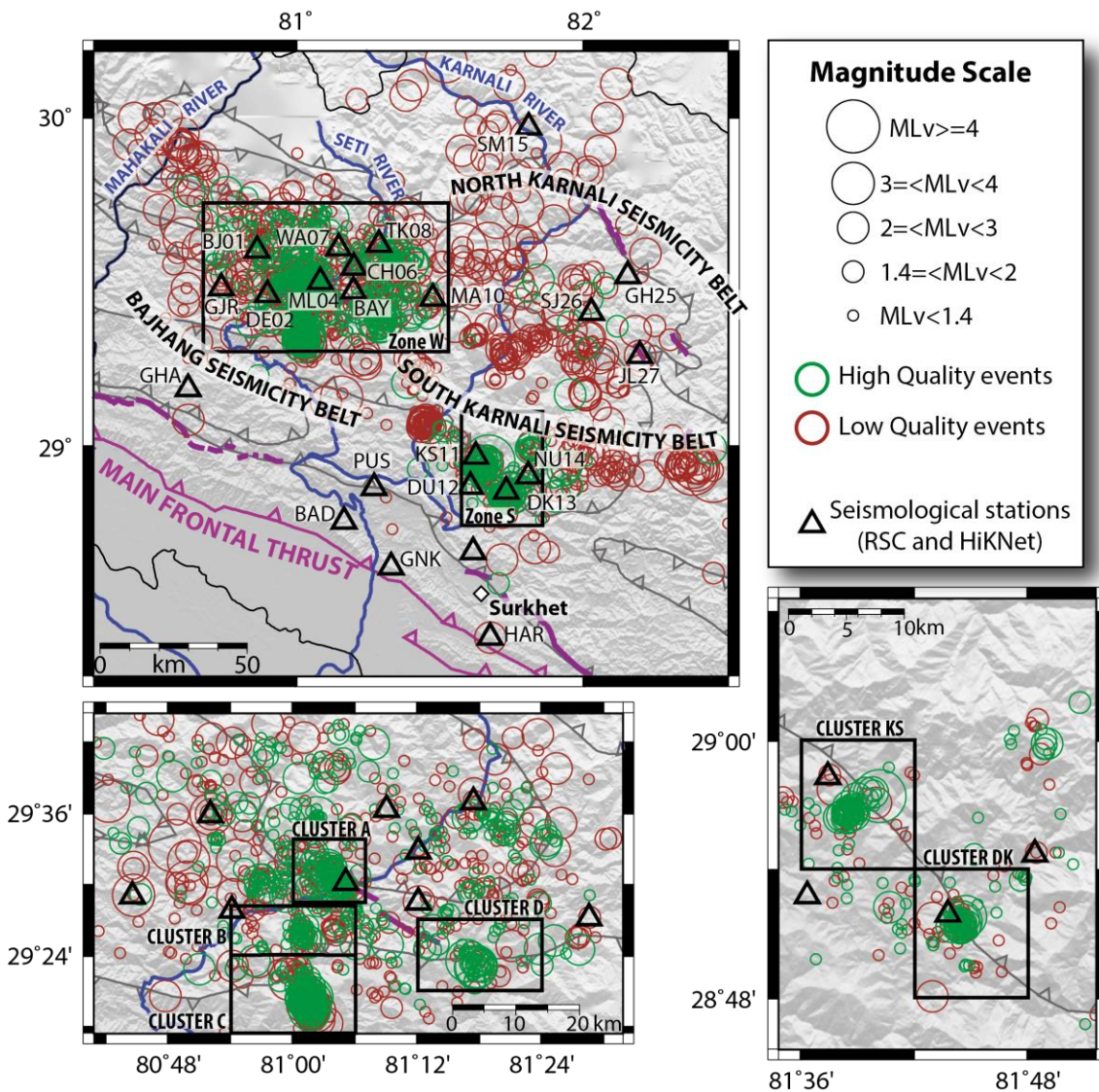


Figure 2. Microseismicity map of western Nepal recorded between December 2014 and November 2015. Epicenters from Hypo71 absolute location. Green circles represent the high quality events (P-phases ≥ 6 , S-phases ≥ 3 , RMS ≤ 0.4 and ERH and ERZ ≤ 2 km), brown circles are the low quality events (P-phases < 6 or S-phases < 3 or RMS > 0.4 seconds or ERH and ERZ > 2 km). See Figure 1 for further references concerning the tectonic structures.

613

614 **Figure 3**

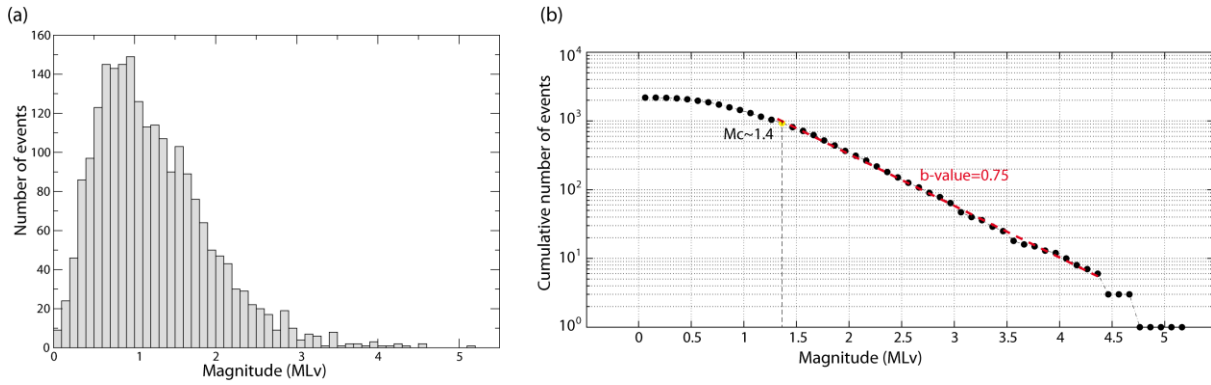


Figure 3. Magnitude distribution for the whole catalog. (a) Magnitude histogram of the events in MLv. (b) Gutenberg-Richter distribution with a $b\text{-value}=0.75\pm 0.05$. The completeness magnitude M_c is estimated at $M_c \sim 1.4$.

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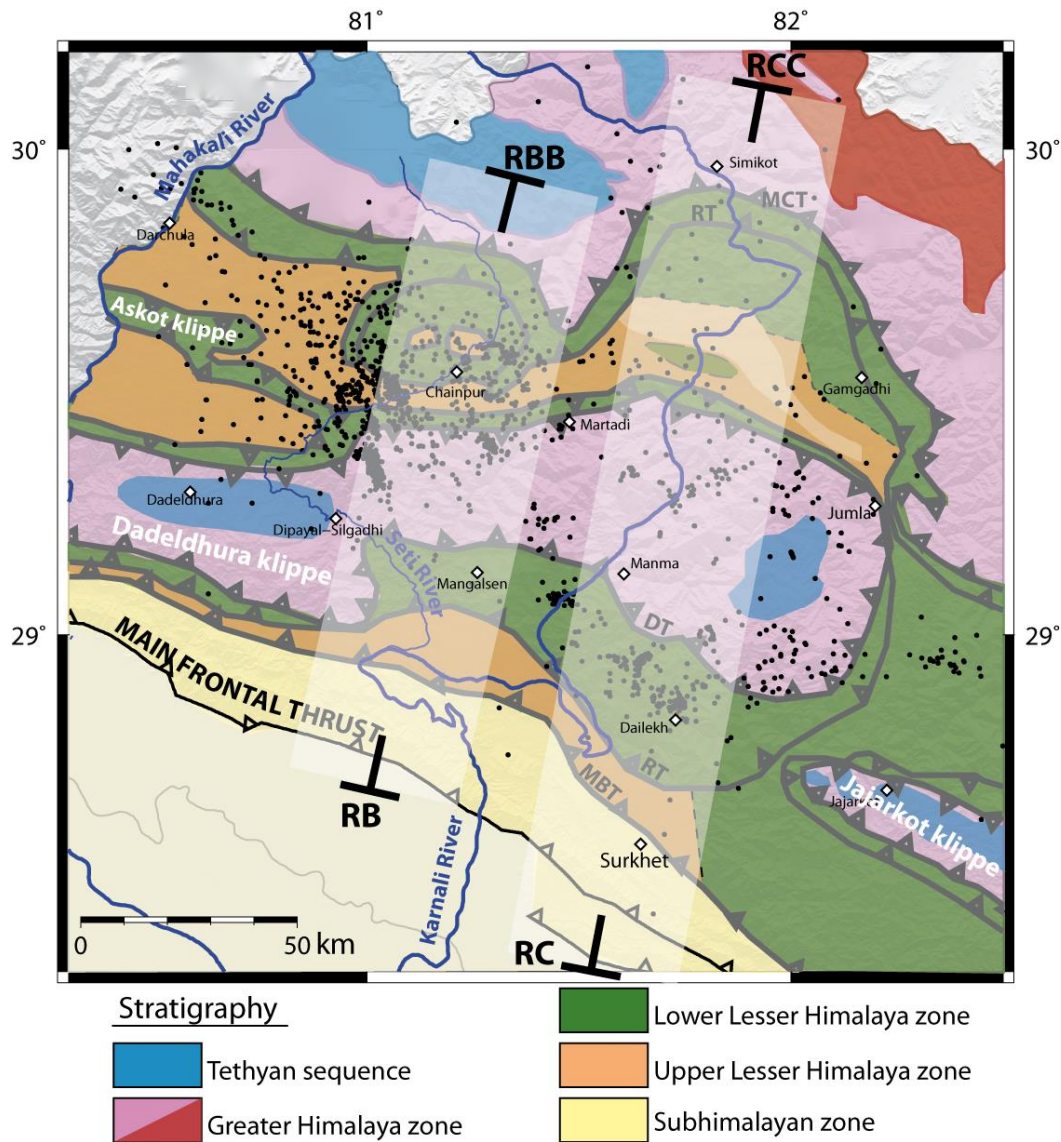
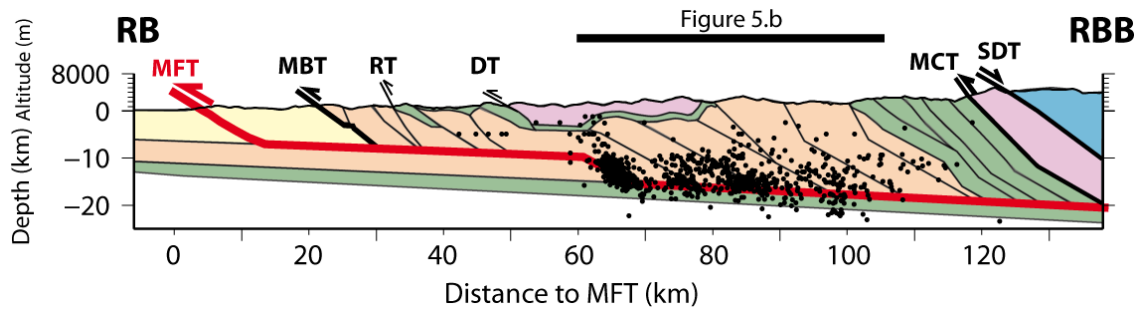
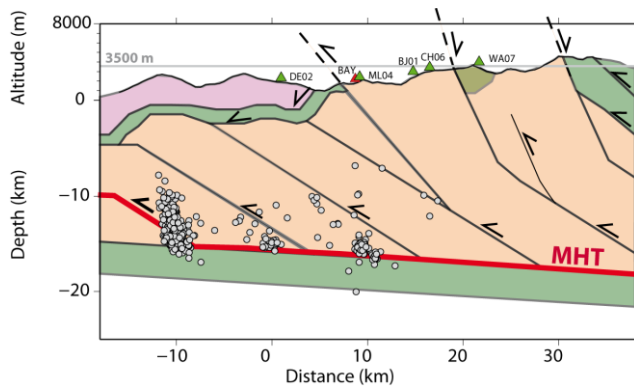


Figure 4. Tectonic map of west Nepal. Main geological and tectonic units are colored according to Robinson et al., 2006. The faults correspond to the Main Frontal Thrust (MFT), the Main Boundary Thrust (MBT), the Ramgarh Thrust (RT), the Dadeldhura Thrust (DT) and the Main Central Thrust (MCT). Black dots correspond to the seismicity of this study. Cross-section tracks correspond to Figure 5.

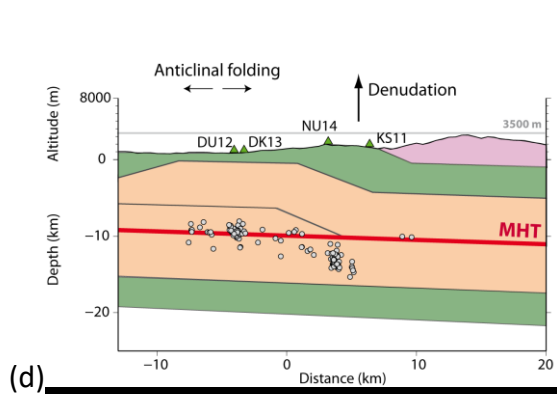
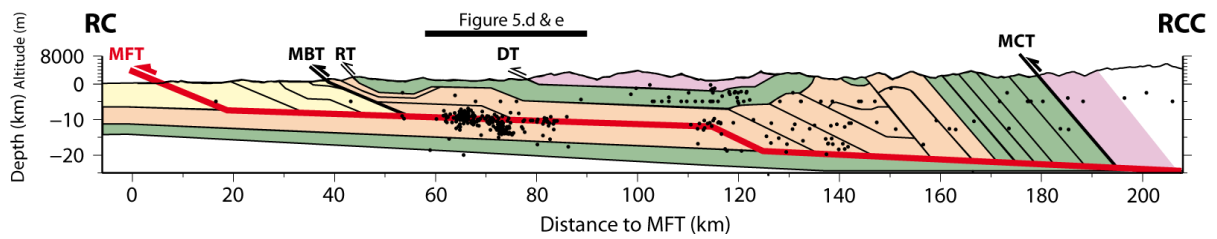
(a)



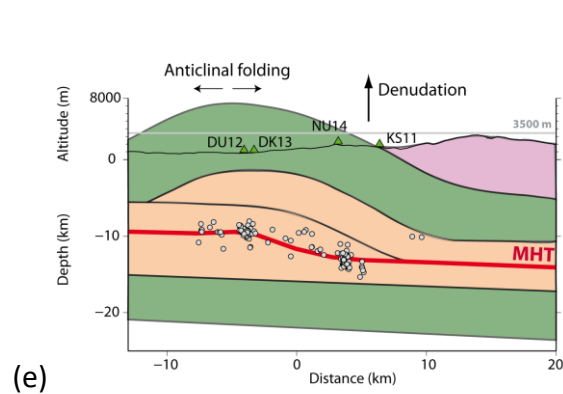
(b)



(c)



(d)



(e)

Figure 5. (a) Section through a 20 km-swath of the seismicity across Chainpur (Bajhang) (see RB-RBB on Figure 4 for location). Balanced geological cross section from Robinson et al., 2006. Note that the geological cross-section falling 5 km eastwards from the track was projected. Color code is the same as Figure 4. (b) Zoom of the balanced cross-section (a). Red and green triangles respectively stand for the permanent and temporary seismic network along the swath. (c) Section through a 20 km-swath of the seismicity across Dailekh (Dailekh) and Simikot (Mugu) (see RC-RCC Figure 4 for location). Balanced geological cross section from Robinson et al., 2006. (d) Zoom of the balanced cross-section (c). Morphotectonic observations from Harvey et al., 2015. Surface anticlinal folding from Amatya and Jnawali, 1994. (e) Alternative geological cross section involving an active midcrustal ramp consistent with the spatial structure of the seismicity .

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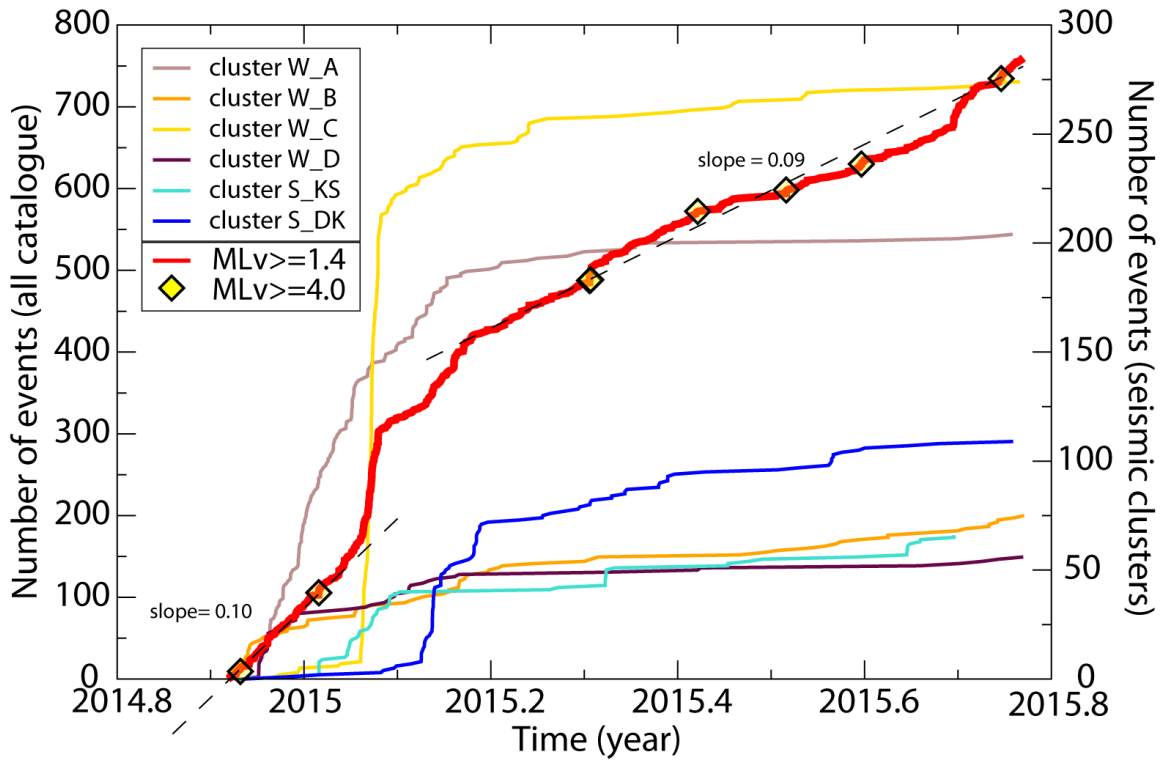


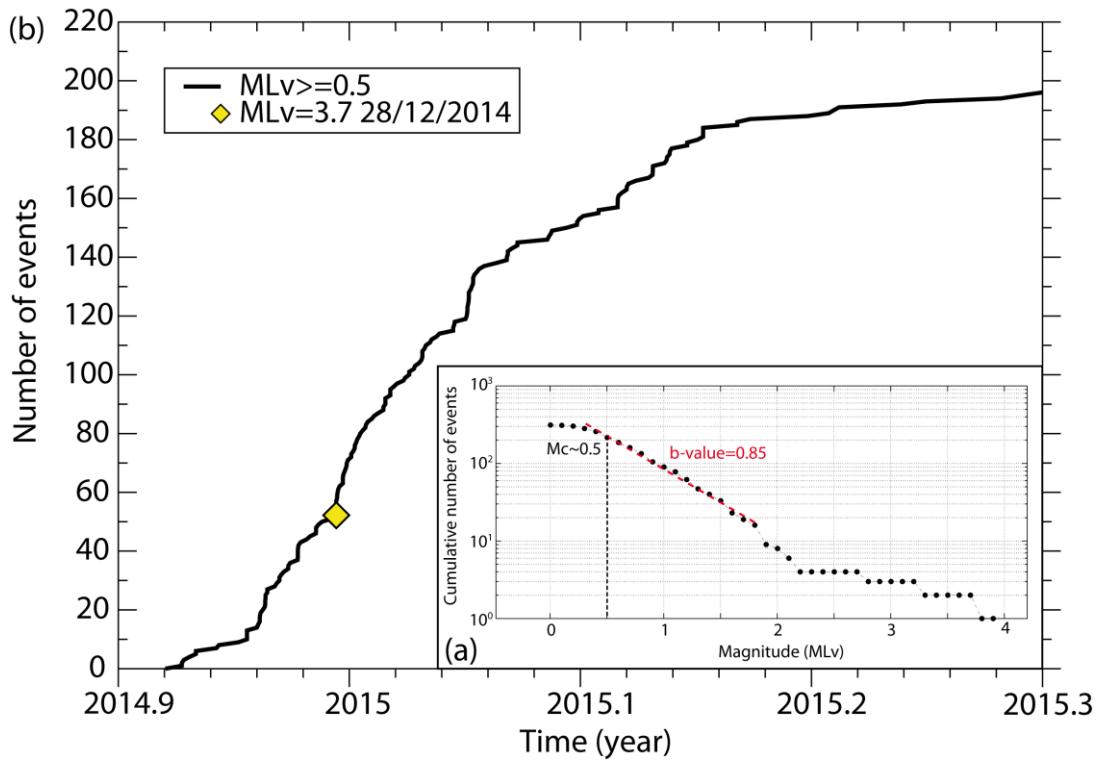
Figure 6. Cumulative number of events for the entire catalogue (bold red line) and for the different seismic clusters (referred on Figure 2). Each catalogue is cut to its completeness magnitude (see Supplementary Material S4).

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635 **Figure 7**



636

637 **Figure 7.** Evolution in time of the seismicity above the estimated M_c in cluster A of Figure 7.

638 (a) Gutenberg-Richter distribution with a $b\text{-value}=0.85\pm 0.05$ and a $M_c\sim 0.5$. (b) Cumulative

639 number of events with $ML_v\geq 0.5$ in function of the time with the highest rate of activity of

640 the cluster.

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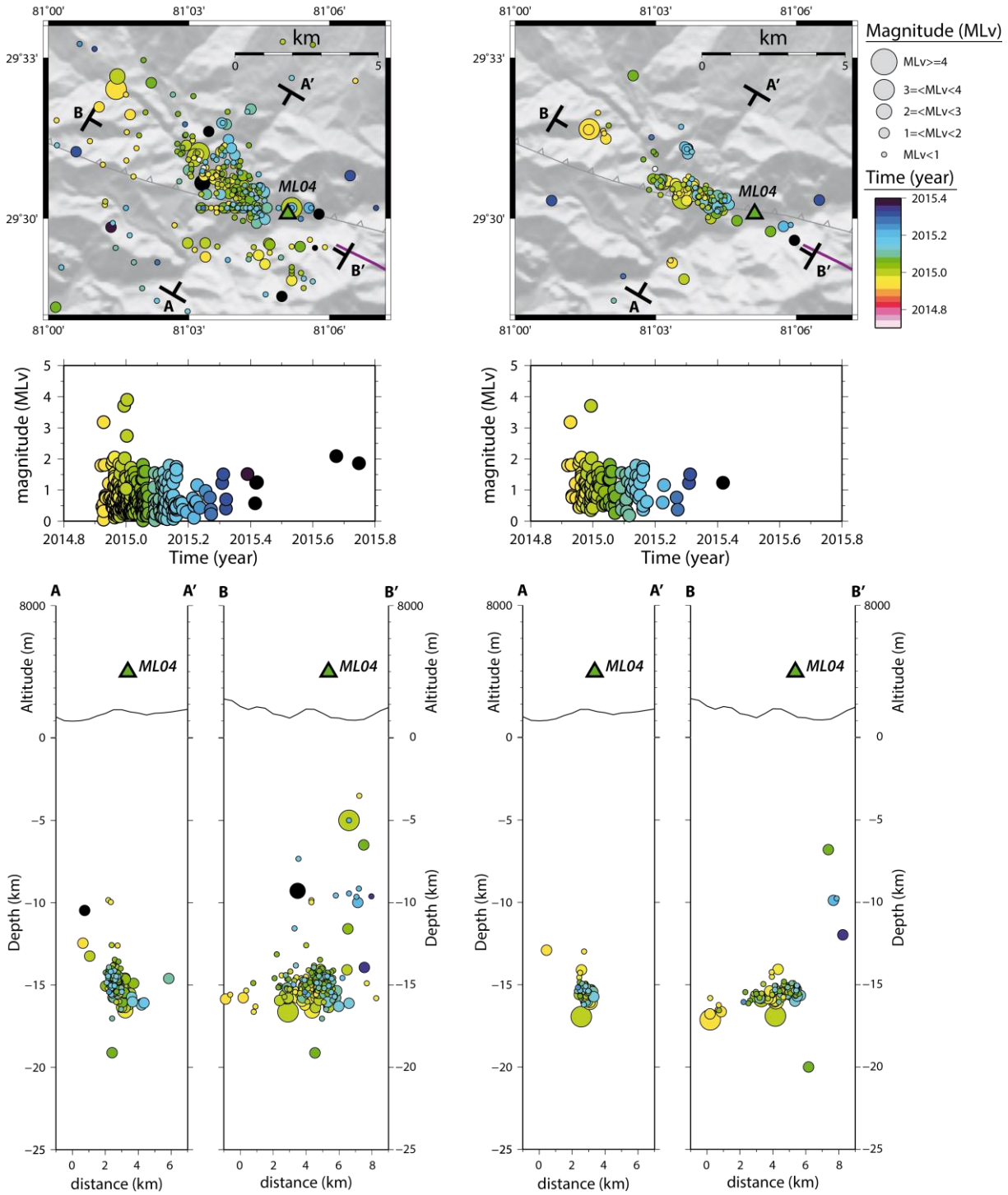


Figure 8. Spatio-temporal evolution of seismic cluster A in map view (upper figures), magnitude-time plot of the cluster (middle figures) and Cross-sections (lower figures) within +/- 1km from A-A' and B-B' (A-A' is 8 km-long striking N030E. B-B' is 10 km-long striking N118E). Left column is the catalog of the absolute location of the events ([Hypo71 catalogue in supplementary data material](#)). Right column

is the catalog of the relative relocated events ([HypoDD catalogue in supplementary data material](#)).

Green triangle: seismic station ML04. Purple line: surface trace of active fault from Nakata, 1982. Gray

line: surface trace of the MCT.

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643

644 **Figure 9**

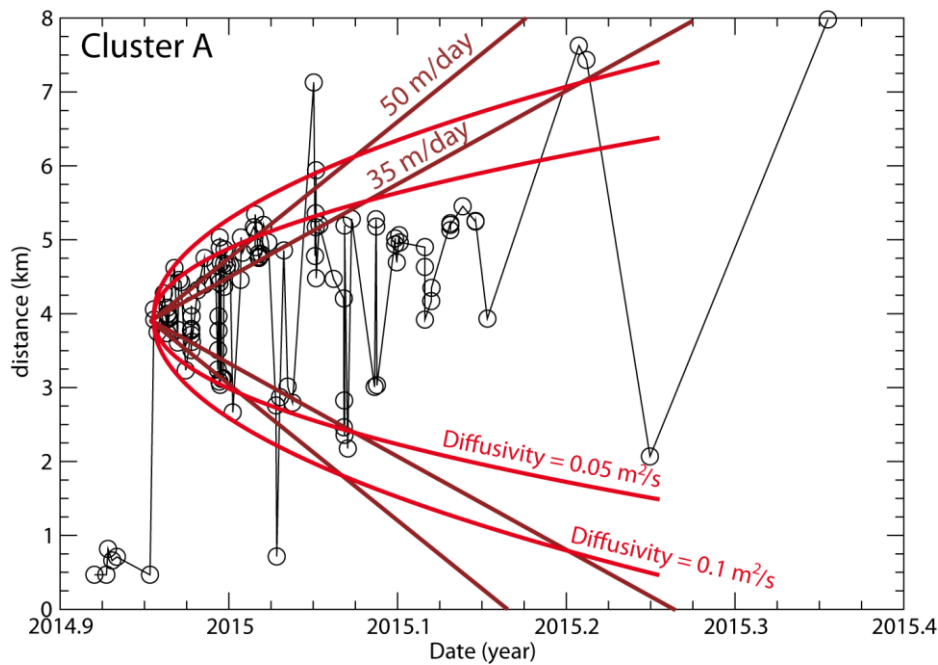


Figure 9. Spatio-temporal distribution of the “HypoDD relocated” seismicity that occurred in Cluster A (frame of Figure 2). The distance corresponds to the distance between a given epicenter and the first event located in the area. Dark red lines correspond to three different migration velocities. Red curve is a poroelastic model of the pore-pressure diffusion (Shapiro et al., 1997) for diffusivity of $0.1 \text{ m}^2 \text{ s}^{-1}$ and $0.05 \text{ m}^2 \text{ s}^{-1}$.

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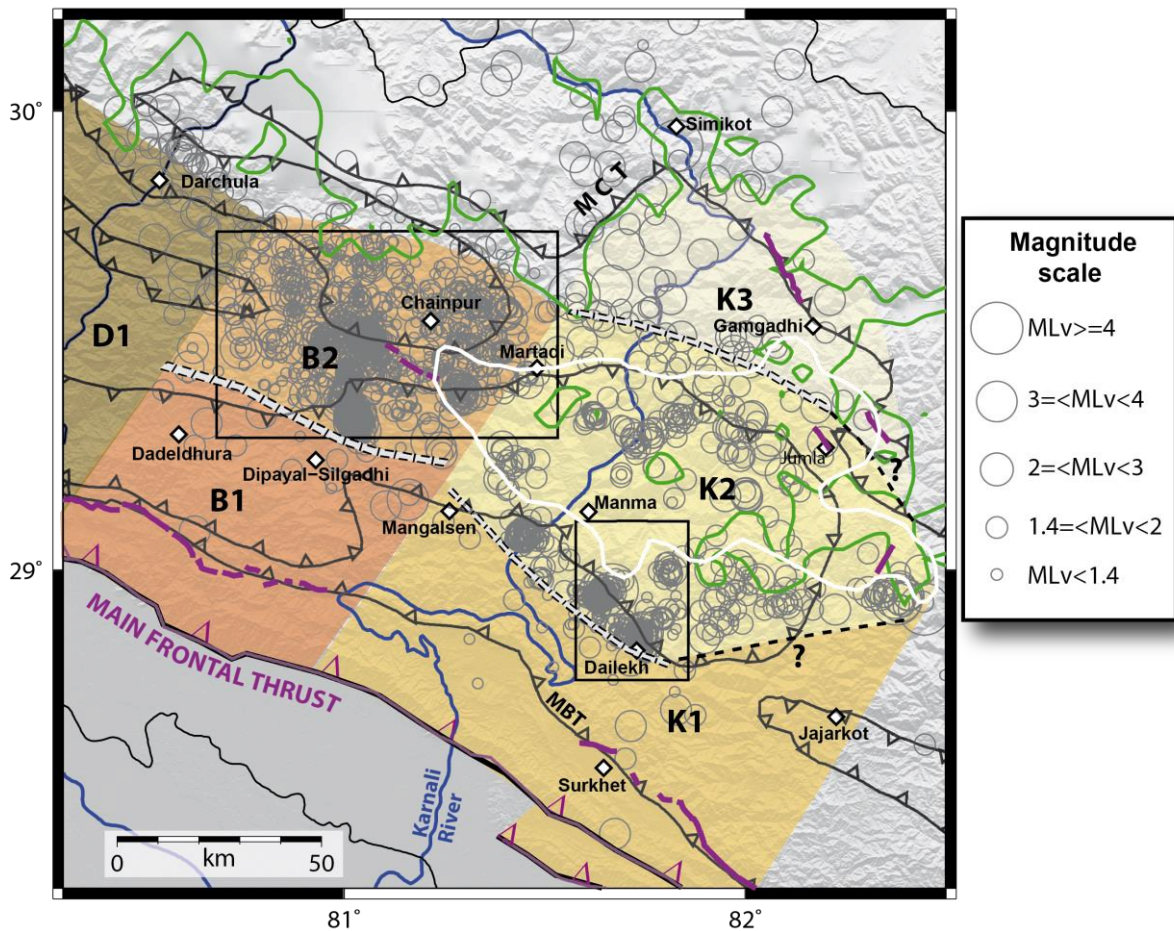
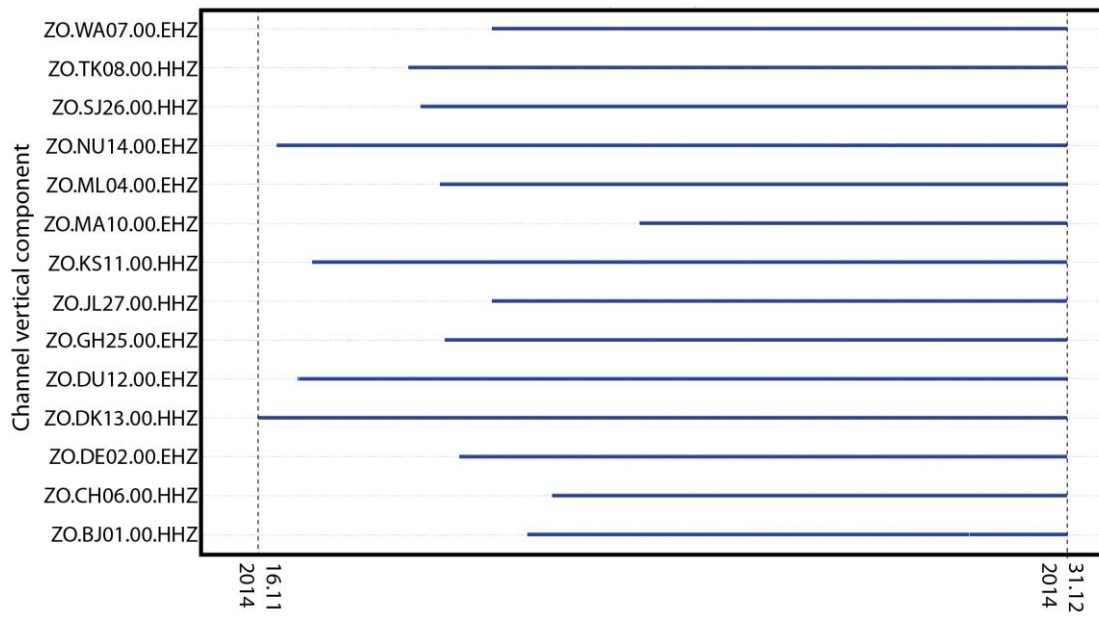


Figure 10. Schematic proposition of the segmentation patches in Far and Mid Western Nepal regions. Purple lines are the active faults of Nakata, 1982. Green line is the topographic contour of 3500m smoothed to 5 km. For reference, the White line represents the extent of the fault segment (slip ≥ 2 m) ruptured by Mw7.8 Gorkha earthquake of Grandin et al., 2015. Bold white lines correspond to the projection of the average position of the structural ramps at depth. Black dotted line for inferred position of additional ramps. D1, B1, B2, K1, K2, K3 correspond to the main segments of the main Himalayan thrust fault (see text for further details).

649 **Supplementary Material S1**

650 **Figure S1**

(a)



(b)

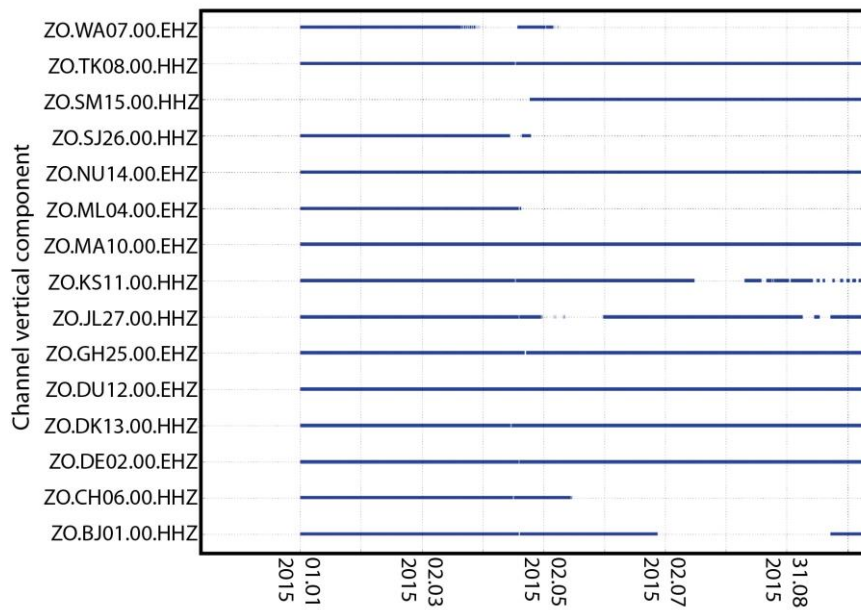


Figure S1. Timelines of seismological data recorded per station by the Temporary seismic array during the period considered in this study. Blue lines correspond to the period covered by the data. (a) From the installation until the end of 2014. (b) in 2015. Note that Simikot station (SM15) was only deployed on April the 25th 2015, a few minutes after the Gorkha earthquake.

651

652

653 **Supplementary Material S2: Data Processing**

654 **S2.1. Automatic processing: Seiscomp3**

655 This first step focused on detecting the maximum number of events in our area of interest.
656 For that, three main modules of Seiscomp3 are used to obtain an automatic catalog:
657 scautopick, scanloc and scevent.

658 Scautopick detects P and S phases. It uses an automatic picker based on an STA/LTA
659 algorithm (Short Time Average – Long Time Average) that consists in sliding two time
660 windows (1,10 seconds¹) along the signal and detect changes on the average amplitudes of
661 the signal; the picker will be triggered over a certain threshold (2¹) (Allen, 1982). The final
662 pick of the phase is refined by the Akaike Information Criterion (AIC) which is a static method
663 applied to the seismic signal. The picker is triggered when the AIC reaches a certain value of
664 signal-to-noise ratio minSNR, 3 in our case (Akaike, et al.,1973). Scanloc creates origins
665 associating close P-phases using a cluster search method and calculating a location with
666 LocSAT locator with iasp91 as velocity model (Kennett and Engdahl, 1991). Finally Scevent
667 determines which origins present a good enough quality to be declared as event.

668 The first automatic processing carried out in Seiscomp3 allowed detecting and localizing
669 6529 events. Nevertheless, looking closely at the signals and at the preliminary results of the
670 automatic data processing, we noticed that:

671 1- There are stations where the signal of the event stands out from the seismic noise but no
672 pick has been done or phases are wrongly identified.

¹ Value of parameter in our case of study.

673 2- The automatic picks do not include the weight of the pick. This is an important
674 information to consider a pick for the location process.

675 3- The LocSAT locator does not allow weighting the stations according to the epicentral
676 distance to an event.

677 **S2.2. Manual processing: Seiscomp3 and Hypo71**

678 Reliable hypocenters, associated with quantified uncertainties, being critical, we manually
679 revised each event detected in the previous section.

680 We first filtered the data between 1-15 Hz and 1-25 Hz using a Butterworth filter of 3rd
681 order. Then we picked P- and S- phase when possible assigning an uncertainty in time on the
682 pick.

683 We locate the events with Hypo71 program (Lee and Lahr, 1975) that has mainly two
684 advantages for us: (1) the weighting according to epicentral distance and (2) the use of a
685 regional velocity model which is more adapted than the global earth velocity model iasp91,
686 in our case we used the velocity model obtained by Pandey, 1985 based on local seismicity in
687 central Nepal (Table S2.0).

Depth range, km	Vp, km/s	Vs, km/s
0-23	5.6	3.2
23-55	6.5	3.7
>55	8.1	4.6

688 **Table S2.0.** Nepal 1-D Velocity Model (Pandey et al. 1995).

689 **S2.3. Relative relocation: HypoDD**

690 We performed the relocation using P- and S-phases, the velocity model of Pandey, 1985, and
691 we resolve the relative relocation using the LSQR inversion. We define three sets of
692 iterations described in Table S2.1. The two first sets work very well for the data of the
693 temporary network; with a calculation converging rapidly to a solution. We then tested
694 different values for the residual threshold (WRCT) in the last set of iterations. We first set
695 this threshold at 5 seconds, leading to a rapidly converging solution. Despite that, the
696 relative uncertainties remain relatively high (order of magnitude of hundreds of meters for
697 both Zones). We tried also WRCT=2 which never converged and finally we set WRCT to 3
698 seconds, which is a good compromise between the convergence of the iterations and the
699 relative uncertainties (~100 m for Zone W and <40 m for Zone S). We also tested the
700 maximum event separation, but it did not make a big difference once the WRCT was set.

Number of iterations per set	Weight for P-wave	Weight for S-wave	Residuals threshold (seconds)	Maximum event separation (km)	Damping
4	1	0.1	-9	-9	20
4	1	1	-9	-9	20
8	1	1	3	5	20

701 **Table S2.1.** Iteration scheme for the relative relocation HypoDD.

702

Cluster	RMS reduction
Cluster KS	15 %
Cluster DK	8.3 %
Cluster A	10.1 %
Cluster B	12.4 %

Cluster C	23.6 %
Cluster D	29 %

703 **Table S2.2.** RMS reduction along the relative relocation process for each seismic cluster.

704

705 **Supplementary Material S3: Magnitude M_{Lv} vs M_{LRSC}**

706 The Seiscomp3 M_{Lv} calculated for western Nepal local events can be compared with the M_L
707 of the RSC catalog.

708 The Seiscomp3 catalog and the RSC catalog share 467 common events with a determined
709 magnitude. We calculate a linear regression in the cloud of points that leads to a relation
710 between M_{Lv} and M_L of: $M_L = 0.97137 + 0.86866 \times M_{Lv}$ (Figure S3.1).

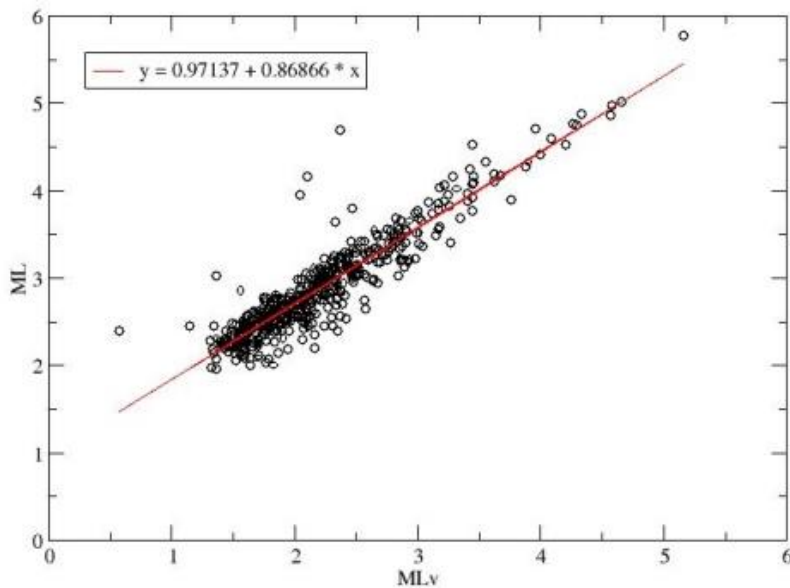


Figure S3.1. Magnitude relationship for events common to our study and to the RSC catalog.

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714 **Supplementary Material S4: Summary of results**

715 **Table S4.1.**

Clusters	Zone W	A	B	C	D
Zone W					
Number of events	1451	313	105	431	74
Number of events relocated	-	133	54	304	49
Dimensions (km)	-	3 x 0.5 x 1	1.5 x 0.6 x 0.5-0.7	7 x 1.5-2 x 1.7	2 x 4-5 x 1.2
Surface orientation	-	WNW-SSE (~N110)	NNW-SSE (~N155)	NNW-SSE (~N150)	-
Dip (°)	-	10° WNW	subhorizontal	60° NNW	Vertical
Average depth (km)	14	14	13	14	15
b-value	0.75±0.05	0.85±0.05	0.70±0.05	0.5±0.05 0.85±0.05	0.70±0.05

Estimated Mc	1.0	0.5	0.7	1.0	0.9
Maximum activity period	Early December 2014 to mid-March 2015	14/12/2014 to 02/03/2015	01/12/2014 to 13/03/2015	22 – 31 January 2015	13/12/2014 to 27/02/2015
Type of cluster	-	Swarm	Swarm	Swarm	

Table S4.1. Summary of the results for Zone W and its clusters.

716

717 **Table S4.2.**

Clusters Zone S	Zone S	KS small	KS big	DK
Number of events	294	8	88	139
Number of events relocated	-	77		101
Dimensions (km)	-	-	2 x 1.5 x 0.7	2 x 1

Surface orientation	-	-	Not clear	WNW-ESE
Dip (°)	-	-	68° NW	65° NE
Average depth (km)	10	-	12.5	9
b-value	0.75±0.05	-	0.60±0.05	0.80±0.05
Estimated Mc	0.7	-	0.9	0.6
Maximum activity period	Early January to mid-March 2015	05/01/2015	15/01/2015 - 02/02/2015 27-28/04/2015 23/08/2015	14/02/2015 to 10/03/2015
Type of cluster	-	Mainshock-aftershock	Swarm	Swarm

Table S4.2. Summary of the results for Zone S and its clusters.

718

719

720

721 **Supplementary Material S5: Absolute location Seiscomp3 Hypo71**

Date	Time	Longitude	Latitude	Depth	Horizontal Error (m)	Depth Error (m)	Magnitude MLv
01/12/2014	19:16:30	81.6967	28.9753	10.2	1.8	3.2	1.15115416
02/12/2014	23:11:30	81.6735	28.8693	11.18	0.4	0.6	0.797455156
05/12/2014	14:53:52	81.6997	28.9732	10.54	1.2	1	0.788332785
06/12/2014	18:15:04	81.7482	28.8488	9.51	0.3	0.5	0.660702103
08/12/2014	18:08:13	81.632	28.9013	11.76	0.8	1.2	0.835781238
09/12/2014	14:04:35	81.6332	28.9148	9.85	0.5	0.6	0.491186102
10/12/2014	14:52:30	81.5992	28.9343	10.85	0.8	0.8	0.636844827
13/12/2014	03:26:14	81.6132	28.8302	9.94	0.5	0.9	1.069237859
14/12/2014	18:53:10	81.6967	28.8833	9.74	0.4	0.6	0.322068526
21/12/2014	05:52:34	81.6853	28.8537	10.69	0.5	0.6	1.296732916
22/12/2014	17:03:37	81.6128	28.9462	11.02	0.5	0.4	0.976459183
23/12/2014	12:52:28	81.8075	28.913	5	8.9	5.9	1.087774579
24/12/2014	11:10:13	81.7543	28.8197	7.62	0.7	1.5	1.091295998
31/12/2014	02:32:27	81.5845	28.9558	11.12	0.6	0.5	1.860662557
05/01/2015	19:41:42	81.6692	28.9568	14.07	1.2	1.1	4.574125468
05/01/2015	19:44:32	81.6662	28.9515	12.21	0.7	0.8	2.009247877
05/01/2015	19:51:04	81.6777	28.9792	13.65	1.1	1	1.171486073
05/01/2015	19:55:57	81.664	28.9612	13.84	0.8	0.7	1.708686308
05/01/2015	20:52:23	81.6592	28.9548	13.74	0.7	0.6	1.588382733
05/01/2015	21:20:58	81.6492	28.955	14.18	0.9	0.7	2.106993267
05/01/2015	23:51:16	81.6632	28.9598	14.24	0.9	0.7	2.881189818
06/01/2015	01:55:10	81.6542	28.9543	13.97	1	0.8	0.883501595
06/01/2015	09:12:35	81.6888	28.8507	8.24	0.4	0.7	0.636081174
06/01/2015	19:01:12	81.7003	28.858	11.39	0.6	1.1	1.188316146
07/01/2015	08:56:11	81.6572	28.9593	14.28	1	0.9	2.342298643
09/01/2015	15:15:49	81.689	28.8573	12.01	0.4	0.6	0.585339487
15/01/2015	20:55:21	81.607	28.9513	11.06	1	1	1.033532341
16/01/2015	00:07:51	81.6443	28.9323	12.42	0.7	0.7	0.495832494
16/01/2015	20:36:25	81.6413	28.9422	13.45	0.4	0.4	1.544918374
16/01/2015	21:52:33	81.6365	28.9412	13.98	0.7	0.6	2.025387001
17/01/2015	01:29:27	81.6408	28.9398	13.4	0.5	0.4	2.059053842
17/01/2015	11:05:59	81.6427	28.937	12.44	0.4	0.4	1.230507371
17/01/2015	15:55:52	81.6408	28.9377	12.98	0.5	0.4	0.922959556
17/01/2015	21:20:04	81.6422	28.941	13.52	0.5	0.4	2.064064274
18/01/2015	00:06:56	81.6395	28.9363	12.61	0.4	0.4	1.147992282
18/01/2015	16:09:40	81.641	28.9417	13.34	0.5	0.5	1.420926226
19/01/2015	15:11:10	81.6442	28.9427	12.14	0.4	0.6	0.81019598
20/01/2015	00:01:49	81.6405	28.9392	12.03	0.5	0.6	0.658256318
20/01/2015	12:49:32	81.6282	28.9618	10.96	0.7	1.5	2.236728103
21/01/2015	09:01:35	81.6433	28.9452	13.28	0.6	0.6	1.325933996

21/01/2015	12:52:42	81.6338	28.9402	14.08	0.8	0.7	2.415422365
22/01/2015	00:37:49	81.6417	28.9462	13.89	0.5	0.4	1.948705352
24/01/2015	22:24:42	81.6375	28.9442	13.78	0.7	0.6	1.861922777
25/01/2015	14:24:09	81.642	28.9488	14.03	0.5	0.4	2.578765245
25/01/2015	18:48:50	81.6462	28.9462	13.07	0.6	0.5	0.757660822
26/01/2015	05:22:51	81.6408	28.9442	13.82	0.4	0.4	2.351823785
26/01/2015	11:25:55	81.6423	28.948	13.5	0.4	0.3	1.788634419
26/01/2015	19:04:59	81.6472	28.949	13.68	0.4	0.3	1.399997177
26/01/2015	19:08:54	81.6422	28.935	12.96	0.3	0.3	0.971294685
27/01/2015	08:04:12	81.6402	28.9433	13.92	0.4	0.3	1.95379969
27/01/2015	14:15:34	81.6667	28.9582	14.35	1.9	1.6	0.596584414
28/01/2015	10:06:22	81.6422	28.9488	14	0.5	0.4	1.99652569
28/01/2015	10:52:28	81.6647	28.9493	12.12	0.9	1.3	1.138054175
29/01/2015	02:12:26	81.6488	28.9517	12.74	0.9	0.8	1.245493522
30/01/2015	00:28:18	81.6418	28.9423	13.1	0.4	0.3	0.739330279
30/01/2015	01:02:08	81.739	28.8522	8.89	0.5	0.7	0.727592174
31/01/2015	01:33:32	81.7007	28.8905	10	0.4	0.4	1.144445606
01/02/2015	03:23:43	81.6125	28.9338	11.89	1.1	1	0.680904408
01/02/2015	08:07:09	81.6465	28.945	13.47	0.6	0.5	1.263911953
01/02/2015	20:56:55	81.64	28.9475	13.09	0.6	0.5	1.590824988
02/02/2015	08:07:00	81.639	28.942	12.67	0.5	0.5	1.600993321
02/02/2015	10:01:56	81.6418	28.9382	11.78	0.3	0.3	1.182010815
02/02/2015	11:32:33	81.6437	28.9512	13.03	0.9	0.8	1.208323573
02/02/2015	16:07:00	81.6412	28.9473	12.8	0.4	0.3	1.135397917
02/02/2015	21:02:19	81.6428	28.943	12.21	0.4	0.4	0.546803525
04/02/2015	04:50:14	81.7507	28.8503	9.4	0.5	0.4	0.80446514
05/02/2015	00:47:34	81.6483	28.9432	12.67	0.5	0.4	0.900513119
05/02/2015	02:01:56	81.7372	28.8568	9.82	0.3	0.4	1.176436412
06/02/2015	09:47:59	81.6458	28.946	12.96	0.4	0.4	1.085535
10/02/2015	19:40:20	81.7493	28.8497	9.11	0.5	0.5	0.781961389
10/02/2015	22:09:46	81.6722	28.8895	9.12	0.7	0.8	0.869347366
12/02/2015	19:58:42	81.6347	28.9273	9.48	0.5	0.7	0.549750273
14/02/2015	18:49:55	81.738	28.8567	9.07	0.4	0.5	1.145142349
14/02/2015	19:06:21	81.6433	28.9288	10.03	0.9	1.2	0.244383285
14/02/2015	20:37:48	81.739	28.8537	9.14	0.5	0.6	0.615752444
14/02/2015	20:41:47	81.7398	28.8537	9.03	0.5	0.6	0.696859464
14/02/2015	21:00:13	81.7402	28.857	9.27	0.6	0.8	0.944369978
14/02/2015	22:00:50	81.741	28.8572	9.44	0.3	0.4	1.699831426
15/02/2015	05:43:22	81.726	28.8478	9.16	1	0.8	0.590775256
15/02/2015	05:49:14	81.7393	28.8593	10.53	0.7	0.8	0.451671427
15/02/2015	06:20:50	81.741	28.8575	9.54	0.4	0.5	1.075458242
15/02/2015	13:26:12	81.7397	28.854	8.71	0.7	0.8	1.016748708
15/02/2015	22:51:12	81.651	28.9412	10.94	0.7	1.1	0.772226496
16/02/2015	00:53:26	81.7378	28.8575	8.98	0.6	0.9	1.259794946
16/02/2015	02:25:13	81.7363	28.8578	8.35	0.6	1	1.491116958

16/02/2015	03:34:18	81.7482	28.8562	9.38	1.2	2.2	0.81804809
16/02/2015	11:56:00	81.7385	28.8522	8.26	0.6	1.1	0.831955378
16/02/2015	21:57:36	81.7713	28.8867	9.09	0.3	0.4	1.14225019
18/02/2015	00:44:47	81.7377	28.8535	7.2	0.5	0.7	1.16154019
18/02/2015	11:16:05	81.7428	28.856	9.63	0.4	0.5	1.555231061
19/02/2015	00:35:48	81.743	28.8558	9.72	0.4	0.5	1.413223531
19/02/2015	00:38:56	81.7397	28.8545	9.18	0.3	0.4	1.135984757
19/02/2015	04:27:18	81.7397	28.8567	9.16	0.4	0.8	2.40700767
19/02/2015	04:41:52	81.7433	28.8545	9.09	0.3	0.3	1.377036831
19/02/2015	04:44:47	81.7398	28.8572	9.05	0.5	0.8	1.527911764
19/02/2015	04:47:29	81.7427	28.856	9.35	0.4	0.5	1.451020382
19/02/2015	04:50:28	81.7393	28.8573	9.8	0.4	0.5	1.910047617
19/02/2015	05:12:14	81.7415	28.8585	9.6	0.5	0.5	1.103602168
19/02/2015	05:45:45	81.7403	28.8535	9.07	0.3	0.5	0.89958523
19/02/2015	06:28:19	81.7405	28.8517	9.13	0.5	0.6	1.205645405
19/02/2015	08:23:38	81.7412	28.8573	10.16	0.3	0.4	2.116324462
19/02/2015	12:16:05	81.7428	28.8523	9.14	0.3	0.4	1.073679418
19/02/2015	12:30:25	81.74	28.8563	9.43	0.4	0.5	0.679268471
19/02/2015	12:32:12	81.7387	28.8543	8.59	0.4	0.5	1.316205209
19/02/2015	13:14:34	81.7448	28.8563	10.02	0.4	0.4	2.691329576
19/02/2015	13:30:13	81.7313	28.8527	8.27	1.1	1.1	0.354038378
19/02/2015	14:29:12	81.7437	28.8535	9.13	0.4	0.5	0.805912168
19/02/2015	14:40:49	81.7422	28.8513	8.73	0.5	0.6	0.64983828
19/02/2015	16:15:14	81.678	28.8707	10.12	0.5	0.8	2.270615497
19/02/2015	18:23:22	81.7367	28.858	8.94	0.6	0.7	0.555006968
19/02/2015	19:43:41	81.743	28.8582	9.87	0.4	0.4	0.901752509
19/02/2015	19:58:09	81.7407	28.8543	9.47	0.2	0.5	2.076813733
19/02/2015	22:14:53	81.7402	28.85	9.81	0.7	0.6	0.658256279
20/02/2015	03:27:11	81.7415	28.8565	9.54	0.5	0.6	1.380995448
20/02/2015	20:43:31	81.739	28.857	8.83	0.5	0.6	0.527482283
22/02/2015	10:55:45	81.7435	28.861	9.37	0.4	0.8	2.991724834
22/02/2015	11:00:12	81.7403	28.8575	8.92	0.5	0.6	1.309920663
22/02/2015	11:02:12	81.7452	28.8632	10.52	0.5	0.8	3.439484646
22/02/2015	11:10:51	81.7448	28.8577	9.39	0.4	0.5	1.289733846
22/02/2015	11:18:59	81.7452	28.8565	9.1	0.9	1.1	0.644553611
22/02/2015	14:34:32	81.7413	28.855	8.63	0.7	1.1	0.287605285
22/02/2015	15:18:04	81.7428	28.8583	8.93	0.4	0.6	0.859902045
22/02/2015	23:48:59	81.74	28.8568	7.81	0.6	1.1	0.373289168
23/02/2015	23:06:57	81.7417	28.8597	7.72	0.7	1.3	0.707386881
24/02/2015	09:17:05	81.7407	28.8597	7.64	0.9	1.6	0.931707131
24/02/2015	18:06:49	81.7402	28.8665	8.38	1.3	2.3	0.556833288
25/02/2015	14:26:16	81.7397	28.8613	8.68	0.7	1.3	0.672929403
25/02/2015	22:45:48	81.7795	28.9022	10.3	0.2	0.3	0.587047891
25/02/2015	23:45:00	81.7402	28.8592	8.33	0.8	1.5	1.25443361
28/02/2015	02:10:25	81.7402	28.8665	9.34	1	1.8	0.935143076

02/03/2015	23:57:13	81.7425	28.8562	9.04	0.6	0.7	1.025814956
03/03/2015	23:22:25	81.6773	28.8738	8.11	0.7	1.3	0.26605227
05/03/2015	13:06:41	81.7155	28.8437	9.59	0.8	1.1	0.924089259
05/03/2015	15:12:07	81.713	28.8497	10.08	1.2	1.5	0.312073773
05/03/2015	22:28:30	81.7172	28.8435	9.65	0.9	1.3	0.389982815
06/03/2015	00:34:01	81.7375	28.875	8.66	0.4	0.6	0.53491727
06/03/2015	14:55:16	81.756	28.8727	8.72	0.7	0.6	0.690542361
06/03/2015	17:08:37	81.684	28.9347	5	0	0	0.006476981
07/03/2015	06:19:18	81.7313	28.8348	8.55	1.1	2.4	0.945699621
07/03/2015	10:34:43	81.7413	28.8595	9.07	0.5	0.9	3.401844708
07/03/2015	10:55:25	81.7387	28.8665	8.68	0.8	0.9	0.760357362
07/03/2015	10:57:51	81.7367	28.8665	9.11	0.9	1.1	0.9452738
07/03/2015	11:23:59	81.739	28.8727	9.12	0.4	0.5	0.744346221
07/03/2015	14:40:42	81.7378	28.8665	6.92	0.8	1.2	0.451210131
07/03/2015	17:36:16	81.7263	28.8625	10.18	0.7	0.9	0.55433178
08/03/2015	02:53:48	81.7427	28.8588	8.91	0.9	0.8	0.844275995
08/03/2015	08:50:04	81.7387	28.8665	10	1.2	1.8	1.13808207
08/03/2015	09:08:53	81.7397	28.8665	9.38	1.5	2.2	0.801293121
08/03/2015	09:21:27	81.7453	28.8567	9	1.2	1.8	0.652919797
08/03/2015	11:07:33	81.7397	28.8665	7.56	1	1.6	1.464677761
08/03/2015	15:38:19	81.7745	28.8448	7.84	2	2.5	0.495027296
08/03/2015	18:17:14	81.7427	28.8537	9.29	0.3	0.4	0.805622142
09/03/2015	10:44:47	81.7437	28.8665	9.22	0.5	0.5	1.099422375
09/03/2015	17:11:50	81.7423	28.8665	9.08	1.2	2	0.746710508
09/03/2015	17:34:54	81.7435	28.8665	9.42	1	1.5	1.090926601
10/03/2015	07:24:23	81.7413	28.8665	7.1	0.7	1.3	0.612027918
11/03/2015	23:20:04	81.7268	28.8607	10.59	0.6	0.7	0.582888858
12/03/2015	20:42:24	81.7392	28.8628	8.31	0.5	0.6	0.641998601
13/03/2015	00:06:38	81.6938	28.8532	9.15	1.1	2.1	0.443882958
13/03/2015	00:08:48	81.6685	28.8335	8.92	0.6	1.2	0.34843118
21/03/2015	06:48:55	81.8245	28.913	10.67	1.1	0.7	0.821513963
21/03/2015	10:16:40	81.8272	28.913	9.16	1.9	1.2	1.04911576
21/03/2015	20:18:23	81.632	28.8935	8.21	1.1	1.7	0.603390282
22/03/2015	19:45:56	81.7313	28.8898	9.79	0.9	1.4	0.490186981
24/03/2015	10:37:59	81.6923	28.926	9.21	2.3	1.3	0.649962946
25/03/2015	04:44:20	81.7387	28.857	9.55	0.3	0.4	1.484021653
25/03/2015	23:17:21	81.586	28.9465	11.43	0.9	0.9	0.576316259
31/03/2015	10:48:39	81.8597	28.7867	9.95	0.4	0.7	0.9439439
02/04/2015	19:53:20	81.829	28.9428	8.36	0.7	0.5	0.691494979
02/04/2015	20:59:17	81.744	28.8547	9.1	0.3	0.4	0.468904477
03/04/2015	02:10:15	81.7493	28.8563	9.33	0.3	0.4	0.622270688
03/04/2015	02:13:45	81.7482	28.852	8.66	0.5	0.9	0.492148307
03/04/2015	08:15:09	81.7455	28.853	8.73	0.4	0.7	1.584547769
03/04/2015	15:14:14	81.7435	28.8525	8.26	0.4	0.8	0.490678566
03/04/2015	23:41:27	81.7428	28.8568	9.33	0.3	0.4	0.465127998

04/04/2015	20:32:04	81.737	28.8537	8.96	0.7	0.9	0.40002011
04/04/2015	23:39:23	81.7987	28.9827	9.98	0.1	0.1	0.407752423
05/04/2015	23:56:30	81.6068	28.9045	10.64	0.3	0.3	1.066451382
06/04/2015	06:05:50	81.7452	28.8542	8.72	0.8	1.1	1.198757523
07/04/2015	03:04:21	81.6873	28.8385	9.36	0.5	1.1	0.674127684
07/04/2015	17:38:01	81.7443	28.8535	9.36	0.4	0.5	0.197455533
09/04/2015	09:39:57	81.642	28.9407	12.69	0.4	0.5	1.102583341
09/04/2015	09:45:59	81.6388	28.9355	12.9	0.2	0.2	0.56573261
09/04/2015	20:26:56	81.647	28.9397	12.34	0.4	0.3	0.52839525
10/04/2015	19:33:21	81.6928	28.8735	11.08	0.5	0.6	0.736979061
11/04/2015	20:22:42	81.7375	28.8572	8.74	0.6	0.7	0.733043249
15/04/2015	02:34:14	81.6403	28.8777	9.82	0.3	0.4	0.811258756
16/04/2015	18:59:17	81.84	28.9042	9.72	0.9	0.6	0.840206365
17/04/2015	03:55:30	81.7207	28.8517	8.89	1	0.9	0.883634168
17/04/2015	18:41:37	81.7353	28.8573	9.22	0.4	0.5	0.85341414
18/04/2015	05:59:02	81.6135	28.928	12.96	0.6	0.6	0.876565805
19/04/2015	22:02:25	81.6773	28.8665	10.23	0.4	0.6	0.522783935
21/04/2015	16:12:04	81.7507	28.8508	8.81	0.6	1.1	0.616111462
21/04/2015	19:38:35	81.7402	28.8547	9.45	0.3	0.4	0.656634568
22/04/2015	09:51:27	81.716	28.8015	18.71	13.1	11	2.055454661
26/04/2015	03:28:54	81.8508	28.7797	10.43	1	1.6	1.255517402
27/04/2015	15:43:12	81.6378	28.8943	11.08	0.6	0.7	0.526777726
27/04/2015	18:08:25	81.6463	28.9437	13.23	0.4	0.4	1.715002898
27/04/2015	18:10:09	81.649	28.943	12.91	0.4	0.4	1.870722609
27/04/2015	18:12:55	81.6448	28.9423	13.08	0.3	0.3	0.72300117
27/04/2015	18:14:34	81.6468	28.9425	12.99	0.5	0.4	2.25723094
27/04/2015	18:20:05	81.6437	28.9502	13.61	0.6	0.5	1.447959091
27/04/2015	19:12:04	81.6448	28.9402	12.89	0.4	0.3	0.767480231
27/04/2015	21:52:06	81.6445	28.9452	13.25	0.4	0.4	1.227805871
27/04/2015	22:55:29	81.6413	28.9428	13.23	0.4	0.4	1.868946161
27/04/2015	23:07:46	81.649	28.9438	12.91	0.9	0.8	0.840281907
28/04/2015	01:23:57	81.6485	28.9413	12.64	0.5	0.5	1.102044207
28/04/2015	02:49:14	81.6512	28.9435	12.03	0.5	0.5	0.65408118
28/04/2015	02:51:57	81.646	28.9445	13	0.5	0.5	1.290980778
30/04/2015	04:17:39	81.7975	28.8917	10.88	0.4	0.4	1.273885228
30/04/2015	04:21:03	81.7932	28.8915	10.65	0.7	0.8	1.435050958
01/05/2015	03:39:38	81.6423	28.9423	13.89	0.3	0.3	1.62837624
02/05/2015	16:14:48	81.8283	28.8707	10.32	0.8	0.8	0.549060021
04/05/2015	13:28:38	81.7842	29.001	9.8	0.7	0.7	0.811588678
05/05/2015	10:09:07	81.797	28.8942	11.26	0.4	0.4	0.783867955
05/05/2015	10:10:56	81.7345	28.8805	5	3.8	10.9	0.693418228
06/05/2015	05:14:36	81.716	28.8623	20.07	10.9	10.4	2.015396792
12/05/2015	15:46:47	81.6298	28.8913	11.16	1.2	1.4	1.060142592
18/05/2015	13:26:17	81.7988	28.894	11.22	0.3	0.3	1.342739249
18/05/2015	14:29:23	81.7963	28.8942	11.16	0.5	0.5	0.634832878

18/05/2015	19:01:23	81.6887	28.8858	8.83	0.2	0.4	0.538153965
19/05/2015	01:08:58	81.794	28.8955	11.02	0.6	0.7	1.061657658
20/05/2015	09:52:22	81.816	29.0013	11.04	0.8	0.8	1.796687374
20/05/2015	12:37:14	81.811	28.9897	11.26	1.2	1	1.599891791
22/05/2015	03:25:20	81.7442	28.8247	8.62	0.5	0.9	0.938575098
22/05/2015	03:26:50	81.7452	28.826	9.64	0.5	0.7	1.396861411
22/05/2015	03:50:37	81.7485	28.8253	9.24	0.5	0.8	0.996866131
23/05/2015	03:59:01	81.8207	28.858	7.5	0.4	0.6	0.78953224
24/05/2015	06:47:53	81.72	28.8788	11.48	0	0	0.354890693
24/05/2015	18:21:58	81.7918	28.8967	11.31	0.6	0.5	0.7683859
28/05/2015	20:16:28	81.7002	28.8922	11.86	0.2	0.3	0.204285652
05/06/2015	20:17:34	81.7343	28.8655	8.91	0.2	0.4	0.72572984
11/06/2015	20:49:35	81.8162	28.997	10.8	0.5	0.8	1.689658239
14/06/2015	13:28:15	81.6547	28.9435	13.49	0.5	0.6	1.102907301
14/06/2015	16:56:40	81.644	28.9442	13.14	0.3	0.3	1.037706092
15/06/2015	12:33:28	81.8052	29.0112	10.44	1.1	1	0.823673179
15/06/2015	12:58:39	81.8027	29.014	10.49	1.2	1	1.22487395
15/06/2015	13:15:20	81.8068	29.0112	10.66	0.1	0.1	0.95630838
15/06/2015	17:14:22	81.8122	29.0087	11.26	0.8	0.7	0.670748103
15/06/2015	18:57:38	81.8087	29.0162	10.4	0.3	0.3	1.409126148
20/06/2015	15:27:34	81.7853	28.9972	9.57	0.5	0.8	1.383275523
22/06/2015	17:28:49	81.6073	28.9398	10.59	0.7	1.2	1.302661554
27/06/2015	22:27:43	81.6407	28.9155	9.71	0.6	0.8	0.998293846
01/07/2015	18:00:34	81.7877	29.0077	9.24	0.9	1.7	0.932045885
02/07/2015	19:32:37	81.7563	28.9403	8.13	0.5	0.7	0.846609174
04/07/2015	00:00:21	81.7437	28.859	9.13	0.6	0.9	1.720187427
04/07/2015	00:06:39	81.7413	28.8575	9.52	0.4	0.4	0.491254827
12/07/2015	20:58:59	81.7497	28.861	9.48	0.2	0.4	0.70912615
23/07/2015	21:55:04	81.7555	28.8245	9.06	0.6	1.1	0.906741095
24/07/2015	16:46:44	81.7453	28.853	8.75	0.9	0.9	0.985634391
25/07/2015	04:02:35	81.7525	28.8233	10.52	0.9	1	1.205398991
25/07/2015	04:03:08	81.7525	28.8252	10.84	0.8	1	1.30905115
25/07/2015	19:53:18	81.7423	28.8568	9.91	0.3	0.2	1.087217892
25/07/2015	19:54:37	81.7403	28.8605	9.89	0.3	0.3	0.764827398
29/07/2015	03:46:04	81.7773	28.8205	9.2	0.9	1.3	0.948014454
04/08/2015	12:00:13	81.6425	28.9197	9.22	0.6	0.5	1.023034116
04/08/2015	20:12:21	81.7695	28.8952	9.08	0.4	0.4	1.38789338
07/08/2015	02:22:40	81.7392	28.8567	10.06	0.2	0.3	0.713181675
12/08/2015	21:34:02	81.7993	28.9812	10.49	0.3	0.3	0.973901113
12/08/2015	22:54:02	81.7997	28.9807	10.78	0.6	0.4	1.233725346
12/08/2015	22:56:58	81.8143	28.9938	10.39	0.6	0.9	1.514407469
12/08/2015	23:11:48	81.8172	28.9975	10.63	0.7	1.2	2.024251446
16/08/2015	10:10:17	81.5838	28.9558	11.94	1.4	0.6	0.781353516
16/08/2015	11:07:37	81.5925	28.9528	11.5	0.5	0.4	0.73893273
16/08/2015	16:04:07	81.7418	28.8578	9.28	0.3	0.3	0.477138163

17/08/2015	07:23:40	81.7723	28.8665	10.47	0.2	0.3	0.50138524
19/08/2015	22:05:25	81.592	28.9452	12.15	0.6	0.5	0.864302751
21/08/2015	19:28:49	81.8187	28.9902	10.59	0.4	0.6	1.364886759
22/08/2015	17:36:41	81.6335	28.9428	13.78	0.7	0.5	0.887123238
23/08/2015	11:43:23	81.643	28.9455	13.49	0.3	0.3	0.999259173
23/08/2015	11:44:07	81.6388	28.945	13.61	0.5	0.5	1.232692551
23/08/2015	17:39:49	81.6412	28.9478	13.96	0.3	0.3	1.542271521
23/08/2015	17:51:54	81.7167	28.8412	10.9	0.9	1.4	1.338722873
23/08/2015	18:00:17	81.6423	28.9472	13.88	0.5	0.4	1.299749619
23/08/2015	20:56:26	81.642	28.95	13.92	0.4	0.4	1.366971377
24/08/2015	06:50:48	81.628	28.8743	8.78	0.8	0.9	0.652291179
24/08/2015	17:55:15	81.6432	28.9365	12.35	0.4	0.4	1.165251701
25/08/2015	09:54:52	81.6758	28.8623	10.24	0.4	0.6	0.590401376
25/08/2015	21:24:16	81.846	29.0295	17.71	0.9	1.1	1.433739662
27/08/2015	05:49:53	81.7388	28.866	9.96	0.3	0.3	0.597722962
27/08/2015	07:12:36	81.7528	28.9118	8.7	0.4	0.6	1.70128314
28/08/2015	15:06:22	81.6498	28.9525	14.07	0.8	0.7	1.354824819
28/08/2015	23:52:31	81.6503	28.955	13.82	0.8	0.7	0.922871245
05/09/2015	00:41:55	81.7435	28.8503	9.57	0.5	0.7	1.376129961
05/09/2015	17:28:03	81.738	28.8428	3.29	0.5	0.8	0.555766301
10/09/2015	23:11:23	81.6253	28.9732	5	0	0	1.143750908
10/09/2015	23:31:33	81.6253	28.9732	5	14.8	8.8	1.517414954
18/09/2015	23:55:01	81.588	28.9523	12.76	3.3	2.1	0.941528147
25/09/2015	21:22:15	81.819	28.966	10.34	1	0.3	0.622649511
27/09/2015	22:06:31	81.641	28.888	10.9	0.6	0.6	0.520181878
28/09/2015	04:38:09	81.8075	28.913	5	1.1	1.2	1.539990477
01/10/2015	10:15:44	81.6517	28.9048	14.45	0.8	0.7	0.505702725
04/10/2015	01:33:46	81.733	28.8553	9.76	0.5	0.6	2.873980681
09/10/2015	20:44:16	81.6413	28.9373	10.8	0.1	0.2	0.364727892
19/03/2015	14:59:55	82.4992	28.7693	5	12.8	137.8	-999
07/10/2015	12:33:02	80.623	29.4847	19.11	5.4	4.4	-999
09/08/2015	18:36:08	81.7467	30.1433	5	21.3	17.2	-999
01/12/2014	20:25:45	81.5902	29.7563	5	4.5	14.9	2.908234078
10/12/2014	04:36:16	81.7727	29.6277	1.25	2.2	40	2.379027917
11/12/2014	16:34:58	80.6845	29.8542	5	3.1	19.4	1.642512955
11/12/2014	23:05:24	82.0787	29.4862	17.75	2.2	1.1	1.833543857
13/12/2014	19:00:58	80.499	29.9477	5	4	37.8	2.43851039
13/12/2014	21:04:16	81.4447	29.241	9.56	0.5	3.4	1.568269549
14/12/2014	19:52:17	80.8192	29.7473	12.3	2.5	3.3	1.0598662
15/12/2014	16:13:51	82.0192	29.336	16.21	1.4	1.9	2.227600854
15/12/2014	16:19:55	82.2013	29.5188	1.01	26.9	298.9	1.222321752
15/12/2014	23:54:36	82.0413	28.9303	10.6	1.5	2.5	0.924424247
15/12/2014	07:47:30	81.0528	29.2883	3.07	1.4	22.7	1.175401169
18/12/2014	03:40:28	81.9207	28.8582	8.31	1.3	1.6	1.045408803
18/12/2014	04:40:48	81.7533	29.5553	11.11	1.5	3.4	2.305004575

19/12/2014	12:34:55	80.6448	29.8162	10.76	3.2	6.7	1.662679602
02/12/2014	22:55:48	81.9657	29.5078	16.83	2	1.9	2.244591348
02/12/2014	08:03:50	82.3073	29.0368	5	0	0	1.691158003
20/12/2014	01:16:19	81.49	28.9827	11.98	1.6	3.4	1.183288699
20/12/2014	01:02:11	81.4917	29.0057	12.15	0.6	1.6	1.93162664
20/12/2014	03:28:14	81.4855	28.9843	12.42	1.7	3.1	0.978378318
20/12/2014	03:29:37	81.4967	28.9778	12.25	1.8	2.8	1.020743818
20/12/2014	04:22:56	82.0572	29.116	2.5	2.1	31.9	1.401231019
20/12/2014	09:31:23	81.4843	28.9812	10.42	2.4	3.6	1.1235046
20/12/2014	09:56:19	81.5007	29.0063	12.64	1.4	3	1.505273662
21/12/2014	04:22:49	81.4925	28.982	9.68	3	4.7	1.204184632
23/12/2014	15:56:46	80.66	29.6028	5	23.5	32.7	1.3114441018
24/12/2014	15:45:07	81.8853	29.0202	9.3	3.7	4	0.841441852
25/12/2014	19:35:09	81.7605	29.5718	5	1.8	10.2	1.779873791
26/12/2014	00:27:50	81.8783	29.0472	4.47	0.9	4.5	1.028746714
26/12/2014	23:39:12	81.052	29.275	10.97	1	5	1.158977481
27/12/2014	22:43:45	82.134	29.0232	11.53	1.8	3.9	1.389729501
27/12/2014	04:36:57	81.909	29.355	10.1	1.2	2.6	2.082041228
30/12/2014	18:27:26	81.6757	28.4197	5	13.5	15.9	2.01221373
31/12/2014	12:24:16	81.4802	29.202	5	3.1	22.2	1.397744891
31/12/2014	22:17:04	80.5275	29.7213	15.75	2.4	2.8	2.14436823
04/12/2014	20:43:45	81.2772	29.7442	12.08	1.8	2.1	0.670621378
06/12/2014	19:12:04	82.2117	29.5892	20.58	3.5	0.9	2.789104563
08/12/2014	04:01:54	80.565	29.9302	11.71	3.9	12.7	1.672813919
09/12/2014	17:10:37	80.8708	29.2192	27.86	0.6	1.5	1.426700927
01/01/2015	20:09:39	81.9128	29.4155	17.03	1.6	1.9	2.570824627
01/01/2015	22:55:41	80.7313	29.8305	18.26	8.3	5.7	1.759412757
10/01/2015	14:34:58	82.1478	29.6765	2	6.2	48.3	1.595774863
10/01/2015	18:22:57	80.5783	29.5578	17.27	2.8	2.2	1.441350588
10/01/2015	03:26:50	82.085	29.0752	5	0.9	4	2.594985115
12/01/2015	11:50:31	81.2418	29.2685	2.5	1.4	25.7	2.109212855
13/01/2015	13:43:20	81.5775	29.5808	17.86	2.8	2.3	1.575896522
13/01/2015	14:23:46	81.8952	29.6893	10.38	2.9	7.6	2.345029687
13/01/2015	17:42:34	82.005	29.1612	0.04	1.2	471.8	2.57776635
13/01/2015	17:50:26	82.0055	29.1595	4.05	1.4	11.4	2.039770605
13/01/2015	17:59:25	82.002	29.1675	2.5	1.3	17.6	2.045653271
14/01/2015	18:26:12	81.9048	28.8687	9.69	1.6	2.2	1.496527875
15/01/2015	12:13:57	81.9735	29.479	16.84	2	1.7	2.186658776
15/01/2015	12:15:19	82.0038	29.5103	17.75	1.6	1.1	2.997013061
15/01/2015	12:41:51	82.0323	29.5328	16.67	3.2	1.5	1.59450537
15/01/2015	14:37:19	81.5342	29.0177	10.35	0.8	1.9	1.702170337
15/01/2015	17:53:05	80.5117	29.6153	5	3.3	12.8	1.189200427
15/01/2015	20:57:48	81.8027	29.4752	12.62	0.9	2	1.523346071
15/01/2015	21:33:44	81.9827	29.2573	5.74	1.5	8.2	1.607061224
15/01/2015	22:17:33	82.0027	29.1678	5	1.2	8	2.099843835

15/01/2015	22:22:39	82.0008	29.171	2.5	1.3	18.3	1.520157016
15/01/2015	22:40:28	82.0052	29.1622	2.25	1.2	15.8	2.043890994
16/01/2015	15:15:00	81.5695	28.9558	13.68	0.6	0.5	0.687594248
16/01/2015	09:21:19	82.0015	29.1683	5	0.7	4.6	2.469654421
17/01/2015	20:32:28	81.4945	28.8733	15.47	0.5	0.9	0.978265718
19/01/2015	13:28:33	82.4487	28.617	5	5.1	50.1	1.805265709
19/01/2015	20:29:05	81.4065	29.175	1.25	0.7	29.9	1.099498678
19/01/2015	22:47:22	81.4108	29.1777	5	0.8	8.5	1.154004465
02/01/2015	00:26:29	80.6318	29.7767	21.53	1.6	0.6	2.206616232
02/01/2015	20:49:48	80.6032	29.9365	20.2	1.9	1.2	1.80411291
02/01/2015	22:07:57	81.8287	28.693	23.48	21.9	13.7	2.391887525
02/01/2015	06:00:26	81.5625	29.0222	17.11	8.5	9.7	1.491532929
20/01/2015	16:27:45	81.1403	29.7695	11.62	2.3	3.6	0.541199994
20/01/2015	23:46:45	82.4382	28.9988	53.95	1.2	0.5	2.175364699
21/01/2015	03:22:14	81.5817	29.5617	20.08	2.6	0.9	1.668392576
22/01/2015	06:37:14	80.9963	29.2863	8.98	0.7	3	0.880931417
23/01/2015	20:42:39	80.598	29.9193	8.17	2.8	8.8	2.509812418
23/01/2015	04:49:01	80.5935	29.8962	8.16	2.3	4.7	3.549292728
23/01/2015	06:53:51	80.6107	29.8937	16.34	2.7	3.8	2.56668981
24/01/2015	16:18:14	82.0112	29.4533	19.07	1.1	0.7	2.543381084
24/01/2015	18:50:46	81.1052	29.7475	11.75	2.1	2.9	0.738073288
25/01/2015	15:05:34	81.8993	28.8502	10.09	1.2	1.6	2.019703434
25/01/2015	07:32:50	80.9697	29.1787	5	0.8	11.5	0.985408098
25/01/2015	08:37:05	80.8322	29.7575	14.35	1.3	1.5	1.452576586
26/01/2015	13:26:26	82.0807	29.999	4.05	12.1	215.9	2.054759603
27/01/2015	19:01:11	81.1633	29.1647	5	5.7	92.8	1.148487915
28/01/2015	03:32:17	80.7612	29.7747	14.11	1.8	1.7	2.103151656
29/01/2015	15:30:05	81.5908	30.0323	5	6.7	72.6	1.600559983
31/01/2015	12:08:46	81.7813	29.4518	11.36	0.8	2.5	1.815427174
04/01/2015	16:44:26	81.9682	29.4772	19.79	1.3	1.2	1.299041873
06/01/2015	11:42:36	82.0332	28.982	2.88	1.4	7.2	1.693543143
06/01/2015	09:26:39	82.0358	28.9792	5	1.3	6.7	2.094913888
07/01/2015	02:30:08	81.6487	29.5302	15.52	1.9	1.9	1.849599337
08/01/2015	22:33:30	82.1118	30.1017	5	14.9	236.4	2.016640665
09/01/2015	19:37:29	80.4415	29.9992	5	33.1	93.1	2.143789825
01/10/2015	23:26:34	81.6757	28.4197	5	23.5	28	2.761406522
02/10/2015	18:28:27	81.7103	29.5402	11.4	3	4.7	1.5425026
02/10/2015	18:07:50	82.1943	29.2795	5	17.9	17.9	2.218154725
03/10/2015	12:51:18	82.069	29.4992	9.36	1.9	1.5	1.559700524
03/10/2015	15:49:13	81.8897	29.346	2.25	2.7	38.8	1.268307211
04/10/2015	14:05:00	81.9985	28.9952	5.92	3.1	7.4	0.995864579
04/10/2015	23:04:14	81.6208	29.5458	15.4	2	3	1.528039179
04/10/2015	08:06:18	81.8538	29.3218	3	4.8	39.6	1.480007652
05/10/2015	11:27:52	82.0777	28.9418	23.36	3.1	5.8	1.993883453
05/10/2015	11:29:14	82.0973	28.9245	11.68	3.6	9	1.674042753

06/10/2015	11:58:25	81.659	29.3762	18.91	2.6	1.4	1.523437358
07/10/2015	00:07:06	81.9852	29.0095	0.69	1.2	60.1	2.143475613
07/10/2015	12:32:54	80.4228	29.9185	6.43	12.7	136.4	2.317481092
07/10/2015	14:40:00	80.6593	29.8772	5	3.3	26.1	2.210322557
07/10/2015	19:00:39	81.488	29.2417	5	1.5	10.2	1.020563154
01/02/2015	22:24:36	81.8025	29.6312	12.75	2	2.4	1.564894535
11/02/2015	01:16:41	81.9087	29.401	15.26	1.6	2.2	2.492423922
11/02/2015	12:17:10	80.6588	29.3213	5	12	42.2	2.120331586
11/02/2015	18:51:28	81.8358	29.8925	5	2.2	18.3	1.357343297
11/02/2015	19:16:29	81.1605	29.1537	70.67	5.8	9.8	3.259867632
13/02/2015	19:46:29	81.4435	29.2362	9.68	0.5	3.5	1.755473931
16/02/2015	16:03:29	81.9798	29.3042	10.78	1.1	2.6	1.457527635
16/02/2015	17:25:02	82.03	29.3235	19.51	3.3	3	1.035228084
16/02/2015	17:04:58	81.9625	29.3697	14.77	1	1.1	0.694478361
16/02/2015	19:06:33	81.9922	29.2875	10.64	1.3	3	1.722372867
17/02/2015	10:42:13	81.959	29.31	11.01	1.4	3.4	2.078298951
17/02/2015	13:10:42	82.0092	29.3003	14.44	0.8	1.1	1.51674766
17/02/2015	15:08:19	81.967	29.3072	11.42	1	2.4	2.11028028
17/02/2015	19:33:34	81.9623	29.3087	10.99	1.2	2.8	1.665245668
02/02/2015	01:34:03	81.6917	29.3153	5	0.9	8.4	1.16362546
02/02/2015	11:09:05	81.1057	29.1393	65.35	5.4	7.6	2.935441969
02/02/2015	12:45:46	81.961	29.0182	5.51	2.5	6.7	0.991684515
02/02/2015	07:51:25	81.9422	29.0097	10.64	1.8	2.4	1.166461161
20/02/2015	23:46:40	81.6703	29.859	12.53	6	13.1	1.881762725
22/02/2015	01:25:16	82.0647	29.2828	12.58	1.5	2.6	2.329159934
22/02/2015	04:51:48	81.5748	28.8728	12.51	0.6	0.8	1.140152443
24/02/2015	17:11:37	82.0143	29.8405	5	4.6	39.2	1.930842284
25/02/2015	22:51:41	81.3347	28.7513	5	19.9	109.6	0.568563828
26/02/2015	14:35:31	80.6587	29.8902	6.36	2.6	14.1	1.712916535
26/02/2015	23:00:29	81.6632	29.8805	12.87	3.5	4.1	2.095842372
27/02/2015	12:42:20	81.4875	29.0832	14.98	1.2	2.4	1.36720258
27/02/2015	14:17:59	81.4502	29.073	10.87	0.6	2.5	2.254463236
27/02/2015	14:25:35	81.4733	29.08	10.72	0.7	1.7	1.419464344
27/02/2015	14:37:16	81.4638	29.0773	10.81	1.2	3.8	1.329204691
27/02/2015	14:50:25	81.4703	29.078	10.41	0.8	3.2	1.926775474
27/02/2015	14:50:08	81.471	29.0767	10.69	1.3	4.5	1.88113035
27/02/2015	15:01:16	81.4657	29.0732	10.66	1	4	1.449146819
27/02/2015	15:16:32	81.4737	29.0848	11	1.5	3.8	1.034620812
27/02/2015	15:22:20	81.4415	29.0725	11.19	0.8	3.7	2.87124377
27/02/2015	15:42:48	81.4553	29.0725	10.73	0.7	3.1	1.639548883
27/02/2015	15:45:41	81.4638	29.0762	10.77	0.8	2.7	1.516077174
27/02/2015	16:58:57	81.4517	29.078	10.95	0.6	2.6	1.663752693
27/02/2015	18:28:14	81.4482	29.0672	5.89	0.8	5.3	0.865809071
28/02/2015	11:04:46	81.4657	29.1085	11.18	3.2	5.2	1.213169072
28/02/2015	13:23:03	81.9268	29.8493	5	4.2	31.9	2.30685031

28/02/2015	15:20:03	81.9287	29.8118	2.5	5.9	107.1	1.675120437
03/02/2015	00:21:10	81.5225	28.7867	9.79	1.9	2.2	0.818329115
04/02/2015	17:52:11	81.6977	29.313	0.36	0.5	70.4	1.248519063
05/02/2015	23:26:44	81.5547	29.3672	18.83	1	1.7	2.678040181
07/02/2015	02:54:48	81.1427	29.2675	5.7	1.2	10.3	0.858007409
08/02/2015	01:13:20	80.6612	29.749	11.66	2.6	3.8	1.60111941
08/02/2015	15:02:21	81.8903	28.9097	10.32	0.6	1.1	1.532148314
09/02/2015	13:58:22	80.5178	29.9198	5	7.7	63.6	1.718088446
10/03/2015	00:05:03	81.5995	29.3187	10.35	2.2	9	1.219586211
10/03/2015	00:07:20	81.6057	29.3333	10.36	1.1	3.8	1.516549387
10/03/2015	10:20:54	81.604	29.328	10.96	1.9	1.9	1.266595365
10/03/2015	19:10:17	81.6918	29.9638	12.84	2.7	3.2	2.857532767
11/03/2015	19:41:13	81.842	29.5102	17	1.3	1.3	2.858763746
12/03/2015	16:36:48	82.1048	28.9268	0.05	0.7	217.4	2.024655384
14/03/2015	01:10:34	81.4407	29.085	5.51	4.9	9.4	0.863197741
16/03/2015	15:50:07	81.9728	29.356	13.9	1.8	2.7	1.635306208
16/03/2015	18:48:05	80.7503	29.7823	10.81	2.7	4.8	0.879236153
16/03/2015	23:51:01	81.6993	29.9887	5	4.4	41.1	1.722464037
16/03/2015	05:50:04	80.5947	29.9107	5	4.2	31.6	1.780818328
16/03/2015	05:51:58	81.6297	29.3287	2.5	1.1	15.7	1.355281772
17/03/2015	14:51:28	81.6693	29.9578	9.74	3	5.1	1.886459587
19/03/2015	11:41:58	81.6227	29.343	10.99	0.9	3	1.594771936
19/03/2015	13:12:41	81.1078	29.8148	2.5	1.7	18.4	1.024385769
19/03/2015	17:39:57	81.6223	29.9758	5	5.3	47.2	1.668839648
19/03/2015	17:44:01	81.0572	29.2597	2.5	1.2	31.3	1.132231893
19/03/2015	06:48:07	81.3952	29.261	5	2.1	21.7	1.909631127
19/03/2015	06:56:32	81.3955	29.2703	15.34	1.2	4.2	2.149391893
19/03/2015	09:54:11	81.6248	29.3453	14.12	0.9	2.3	1.758657552
20/03/2015	04:07:14	81.4533	29.0825	5.64	1.4	8.8	1.067836441
21/03/2015	19:16:48	80.5943	29.9172	5	2.1	19.1	2.661599138
21/03/2015	20:42:25	81.5733	28.8805	12.1	0.9	1.1	0.774329774
21/03/2015	21:46:21	81.3938	29.2628	5	1	10.4	1.810470745
25/03/2015	15:01:52	81.0063	29.892	5	2.9	23.1	1.393866996
26/03/2015	02:13:26	81.6257	29.3437	11.14	0.7	2.3	1.83186603
26/03/2015	02:16:24	81.6242	29.339	10.93	0.7	2.3	1.868278131
27/03/2015	18:38:08	81.439	29.1578	5	1.5	15.8	1.051036782
28/03/2015	14:22:37	81.7122	29.7553	12.92	5	3.3	1.69528511
28/03/2015	23:27:40	81.6355	29.5668	12.11	2.2	4	1.806370614
03/03/2015	10:22:22	81.4398	29.0632	18.82	0.9	2.6	2.327724905
03/03/2015	12:15:17	81.4497	29.0825	11	1.7	6.8	1.345560759
03/03/2015	12:20:38	81.4475	29.0678	6.29	1	7.8	1.444386239
03/03/2015	12:09:06	81.4302	29.0802	11.51	2.2	11.6	1.273048509
03/03/2015	13:18:47	81.4538	29.0677	11.14	1.4	6.1	1.410457245
03/03/2015	17:51:59	81.4502	29.0608	13.5	0.6	2.5	1.181980545
03/03/2015	02:21:24	81.492	29.1145	10.76	2.2	4.4	1.17784079

03/03/2015	21:36:29	81.4067	29.239	5	1.9	19.6	1.050668544
03/03/2015	04:54:42	81.443	29.0735	11.05	1.4	5.3	1.648342475
03/03/2015	04:59:29	81.4338	29.0752	0.08	1.2	299.2	1.338444114
03/03/2015	06:07:26	81.442	29.077	5	1.1	10.1	2.049473137
03/03/2015	09:23:14	81.4477	29.075	11.48	1.1	5.1	2.409980533
03/03/2015	09:27:04	81.4603	29.0732	10.76	1.4	6.9	1.733512278
03/03/2015	09:31:37	81.448	29.0788	11.19	1.2	6.1	2.626860831
03/03/2015	09:34:03	81.452	29.079	5	1.5	14.6	1.355126342
03/03/2015	09:35:09	81.451	29.0668	11.09	0.9	5.1	1.93025402
04/03/2015	00:24:54	81.4522	29.0842	11.4	0.9	4	2.69383794
04/03/2015	00:34:10	81.4537	29.0767	10.77	1	5.1	1.414870607
04/03/2015	11:45:53	81.4488	29.0838	11.04	1.6	6.1	0.934825689
04/03/2015	20:02:57	81.774	29.2248	5	1.3	17.9	1.357771578
04/03/2015	06:33:01	81.4502	29.0772	11.71	1.1	5.1	1.598361306
06/03/2015	00:05:24	80.9475	29.755	11.75	1.8	2.5	1.8
06/03/2015	12:03:14	80.5503	29.3928	1.5	34.8	206.6	1.252780497
06/03/2015	13:20:52	82.1783	29.3542	18.98	2.5	1.2	2.149409015
06/03/2015	13:36:03	82.2452	29.3695	17.49	1.8	0.5	1.463542275
06/03/2015	20:13:38	81.9997	29.4755	16.74	2.2	2.4	1.475090183
06/03/2015	20:23:37	81.773	29.2245	3.8	0.9	20.5	1.179487311
06/03/2015	21:07:13	80.9795	29.1952	5	2.2	70.8	1.115119829
01/04/2015	19:10:20	82.0087	28.9602	10.82	1.4	2	0.940791371
10/04/2015	20:54:02	80.6672	29.748	16.05	1.4	2	1.179995147
10/04/2015	08:25:58	81.5793	29.6077	16.77	3.8	2.3	1.797534435
13/04/2015	01:48:01	80.6883	29.8452	10.29	2.7	4.3	1.649946231
14/04/2015	18:55:50	82.1153	29.3693	18.16	1	0.9	1.827955485
14/04/2015	04:02:36	81.609	29.4537	5	12.5	14.3	1.613227016
14/04/2015	07:25:36	80.6983	29.8238	19.46	2.1	1.9	1.986585679
15/04/2015	12:01:46	80.5393	29.9195	8.18	4.2	21.2	1.854605989
17/04/2015	01:09:47	82.1403	28.9347	5	2	11.9	1.82969224
18/04/2015	00:51:36	82.0483	28.913	0.52	1.1	48.3	1.580446066
02/04/2015	17:39:38	81.7658	29.5745	5	2.1	10.1	1.520064027
21/04/2015	14:15:54	82.4073	28.9455	5	4.5	26.8	2.181902502
21/04/2015	14:02:14	82.447	28.9143	12.67	2.7	3.4	5.163208019
21/04/2015	14:23:22	82.347	28.9412	2.25	2.4	52.6	1.688244766
21/04/2015	14:26:34	82.3452	28.9513	2.5	2.4	30.8	2.14956272
21/04/2015	14:32:26	82.3753	28.939	12.02	1.8	2.5	3.955444074
21/04/2015	14:08:00	82.3878	28.964	10.92	3.4	5.8	2.871084216
21/04/2015	15:02:19	82.3465	28.9502	3.65	3.4	46.8	1.236598788
21/04/2015	15:03:38	82.3177	28.9333	1.31	2.1	75.3	1.832422448
21/04/2015	16:13:22	82.3282	28.9492	5	3.9	18.7	1.768743601
21/04/2015	16:09:21	82.3542	28.968	2.5	2.3	58.5	1.459637302
21/04/2015	18:03:30	82.384	28.9233	2.5	3.7	41.5	1.713233362
21/04/2015	18:41:15	82.3277	28.9467	2.5	4.5	59.7	1.633889597
21/04/2015	18:07:42	82.3363	28.9445	1.25	2.1	71.4	2.108175882

21/04/2015	22:10:49	82.4447	28.9302	5	4.2	29.5	1.525177345
22/04/2015	01:15:44	82.3838	28.9368	2.5	2.6	40.3	2.420986713
22/04/2015	01:29:10	82.3772	28.9357	12.8	1.9	2	4.329975438
22/04/2015	02:40:08	82.1697	28.913	2.5	8.1	48.7	1.743576435
22/04/2015	22:28:39	82.3963	28.9208	5	2.3	17.7	1.776676803
22/04/2015	04:58:41	82.4077	28.9443	5	2.1	16.7	2.803483564
22/04/2015	09:55:42	82.28	28.9587	2.5	3.1	40.6	1.956577317
23/04/2015	16:33:15	81.5505	28.9538	15.07	0.7	0.8	1.024766651
23/04/2015	21:41:27	82.3565	28.9533	5	4.1	24.1	1.77457387
23/04/2015	23:32:20	82.1155	29.0527	10.73	0.7	1.5	1.381297374
23/04/2015	08:25:32	82.3087	28.9513	2.5	2.3	31.7	2.831494312
24/04/2015	05:28:29	82.3885	28.9315	5	2.5	16.4	3.162943546
28/04/2015	16:04:15	81.6927	29.2087	5	0.7	2.7	0.987849991
28/04/2015	18:30:53	81.692	29.2042	0.29	1.3	75.2	1.005059019
28/04/2015	20:58:26	82.005	28.9882	7.96	1.3	3.2	0.773867207
28/04/2015	07:16:19	81.9393	28.89	3.84	4.6	7.4	1.33958252
29/04/2015	15:54:17	81.6923	29.2112	5	2.1	7	1.622794719
29/04/2015	20:57:07	82.1943	29.249	5	9	7.3	1.701048999
03/04/2015	17:50:19	81.8257	28.7322	2.5	2.1	12.6	0.888625785
04/04/2015	15:30:35	81.945	29.3805	16.67	1.2	1.5	1.88354483
05/04/2015	21:48:20	81.6715	28.7582	9.05	0.6	1.4	0.640473958
06/04/2015	15:14:28	81.9767	28.959	11.66	2.5	2.8	0.879172514
06/04/2015	15:47:43	81.7028	28.5853	30.08	1.1	1.7	1.854488195
06/04/2015	17:22:45	81.6188	29.3447	11	0.7	2.7	1.933623824
06/04/2015	22:31:42	81.6392	29.3308	1.25	1	26.5	1.310159543
06/04/2015	22:32:24	81.6295	29.3397	10.81	0.6	2.3	1.458951477
07/04/2015	23:19:15	81.626	29.3293	5	5.6	16	1.257798334
09/04/2015	23:13:13	82.0725	28.9193	5	0.7	3.6	1.549406162
09/04/2015	06:27:52	81.0992	29.7957	11.36	2.8	4.5	1.541309815
09/04/2015	07:23:00	81.4853	29.0692	7.2	1.5	5.5	1.257430572
01/05/2015	03:10:29	81.5747	28.9045	10.6	0.9	0.6	0.829004125
13/05/2015	15:21:31	81.3402	29.8057	23.39	2.2	3.7	1.795933335
14/05/2015	03:57:42	81.9033	29.4418	5	3.4	19.6	1.812733824
15/05/2015	15:29:33	81.9508	29.161	16.78	1	1.9	2.649328813
15/05/2015	18:10:19	81.3762	29.2342	5	1.3	11.1	1.329450373
16/05/2015	10:45:43	81.249	29.1053	5	1.2	13	1.29937393
16/05/2015	14:03:41	81.8162	29.5915	5	10.2	97.1	2.282867837
16/05/2015	14:09:51	81.8848	29.47	11.72	4	9.5	1.84940142
16/05/2015	21:20:18	81.4622	28.9732	18.4	0	0	-999
16/05/2015	22:47:47	81.4155	29.1082	5	1.9	20.8	1.255691755
18/05/2015	02:43:22	81.6927	29.5687	11.07	5.6	9.5	1.637070373
02/05/2015	02:01:09	81.4665	29.0897	11.23	2.2	5.3	1.182928975
21/05/2015	07:20:01	81.716	28.6575	5	84.8	54.4	2.902254199
23/05/2015	17:08:04	81.0338	29.2777	5	0.9	8.7	1.611125983
24/05/2015	17:37:44	81.6212	29.7385	26.94	5.3	8.6	1.624509213

24/05/2015	03:52:43	81.829	29.4405	2.5	4.6	42	1.666547378
26/05/2015	20:11:58	82.2247	28.913	2.5	5.3	44.1	2.198590645
27/05/2015	14:48:24	81.74	30.097	2.5	17.2	337.6	2.633510825
28/05/2015	00:24:25	81.3818	30.0663	5	47	43.4	2.106544834
29/05/2015	17:32:09	81.8475	30.2	5	17.2	244.9	2.987386423
30/05/2015	01:36:21	81.4808	29.0638	10.39	0.8	1.6	1.194623818
30/05/2015	02:48:15	81.4972	29.0628	12.91	0.8	1.4	1.091644379
30/05/2015	03:03:00	81.4673	29.0603	10.38	1	3.5	2.099019923
30/05/2015	03:40:51	81.4858	29.0602	12.77	5	3.8	0.938645918
30/05/2015	03:05:43	80.6115	29.9522	5	5.1	35.4	2.159728187
30/05/2015	04:11:47	81.4753	29.0733	10.36	5.9	5.9	0.887601076
31/05/2015	13:11:40	80.6787	29.8808	26.24	3.8	5.3	2.159399853
05/05/2015	18:45:27	81.8028	29.5163	5	7.5	35.4	1.361820019
05/05/2015	20:47:18	81.4505	29.2427	16.7	1.6	2.7	1.049857709
06/05/2015	13:59:05	81.9262	28.9305	9.52	1.5	1.7	2.236654739
06/05/2015	14:25:16	81.9392	28.9438	10.29	1.5	1.8	2.750253637
07/05/2015	19:42:34	81.4052	30.0977	5	14.1	77.2	2.471405093
08/05/2015	15:44:01	80.7945	29.7463	16.62	3.3	2.9	1.567190578
09/05/2015	00:02:28	81.9935	28.882	3.99	3.9	8.8	1.39231802
09/05/2015	01:34:49	81.9243	28.9343	9.65	2.6	1.8	1.836436563
01/06/2015	08:54:53	81.7548	29.522	11.8	4.4	7.9	1.657659617
10/06/2015	22:35:25	80.9945	29.7777	15.27	1.6	2.2	1.651839001
10/06/2015	23:14:59	81.6198	29.4635	19.18	3.7	1	1.545795941
11/06/2015	11:42:13	81.5085	28.9445	10.13	0.4	0.5	0.986700771
11/06/2015	22:28:59	81.984	29.7427	10.51	8.3	21.1	1.722491349
13/06/2015	19:12:41	81.5747	28.9198	7.82	0.6	1.1	0.320018066
15/06/2015	12:00:35	81.2123	30.0555	5	13.9	30.5	1.906802486
15/06/2015	19:24:19	82.1373	29.1722	8.24	0.6	1.4	1.288699661
16/06/2015	12:56:40	81.7738	29.5007	5	2.4	14.3	2.077711086
02/06/2015	17:44:46	81.838	29.4537	5	4.7	41.3	1.326360197
02/06/2015	20:33:05	81.8308	29.9255	12.71	2.2	2.1	4.262447281
23/06/2015	00:24:09	82.0137	29.3332	18.09	0.7	1.2	2.102019059
28/06/2015	21:11:26	81.929	29.0748	5	5.8	26.5	1.27812228
05/06/2015	00:12:07	82.0997	28.9598	0.35	0.9	79.2	1.741350557
05/06/2015	06:55:05	81.5733	28.9555	14.25	0.9	1.3	0.80736811
06/06/2015	00:47:18	81.4188	29.2197	2.5	1.2	33.2	1.076191905
10/07/2015	05:50:22	81.603	29.8708	2.5	4.7	79.8	2.284295285
11/07/2015	23:23:23	81.5762	29.9003	1.25	4.3	133.5	2.649429132
12/07/2015	21:01:55	81.814	29.3412	3.89	1.1	15.2	1.949454954
13/07/2015	00:31:24	81.3148	29.0692	5	1.4	12.7	1.180623887
15/07/2015	15:21:52	81.6127	29.7582	5	3.2	27.1	2.846750875
18/07/2015	12:55:17	81.7065	29.372	5	1	5.5	1.775583191
18/07/2015	05:29:06	80.984	29.2412	2.5	5	96.3	1.103081099
20/07/2015	14:49:10	81.9773	28.913	10.94	2.3	3.7	1.643918162
20/07/2015	15:56:34	81.9627	28.91	11.39	1.9	3.7	1.04558162

20/07/2015	19:53:11	82.0807	28.918	15.63	2.4	3.9	1.251648957
23/07/2015	13:51:43	82.0523	29.2728	5.2	2.7	11.9	2.144568362
23/07/2015	06:43:13	81.5657	28.8805	12.97	0.9	1	0.96591196
24/07/2015	21:42:30	82.0183	29.3043	11.12	5.9	15.6	1.471746427
31/07/2015	18:07:35	82.1028	28.9858	2.5	2.9	45.3	1.627545774
31/07/2015	03:16:13	82.0507	29.2407	5	3.3	14.9	2.762821758
07/07/2015	18:50:06	81.8187	29.148	3	1.1	30	0.974143247
07/07/2015	18:58:43	81.824	29.1565	1.25	0.4	25.9	1.347133303
07/07/2015	09:31:41	81.5738	29.6012	25.67	2.3	4.1	4.291774342
07/07/2015	09:45:33	81.5942	29.4983	16.02	4.1	2.1	2.171520632
07/07/2015	09:45:42	81.5357	29.4763	17.38	2.1	0.8	2.823405435
08/07/2015	16:08:55	82.1047	28.931	17.15	2.5	3.3	1.287098911
08/07/2015	06:55:10	81.2197	29.2815	1.25	1.6	60.3	3.149837054
14/08/2015	14:47:08	81.9583	29.2548	2.25	3.2	56.6	1.691582174
15/08/2015	08:14:48	82.1138	29.1847	1.92	2.5	18.5	1.85691617
23/08/2015	18:26:36	81.3875	29.1977	17.64	0.6	1.9	2.232973071
23/08/2015	08:26:26	81.6978	29.6993	17.08	4.1	4.3	3.029510129
26/08/2015	17:14:46	81.4055	29.2282	5	1	6.9	1.230499755
27/08/2015	04:35:34	80.9828	29.7773	5	4.8	22.2	1.764991316
30/08/2015	22:56:28	81.425	28.9338	30.9	0.6	0.7	1.669441983
05/08/2015	19:22:25	80.5533	30.0037	5	0	0	2.779292696
05/08/2015	19:32:58	80.615	29.6347	5	14.1	110.2	3.213008137
05/08/2015	06:46:00	81.4258	29.238	15.87	0.7	2.2	2.282427128
05/08/2015	07:08:57	81.4203	29.234	5	1.5	13	1.566167746
06/08/2015	22:15:00	81.669	29.6198	10.9	2.8	5.8	3.164763622
06/08/2015	22:56:16	82.005	28.945	18.03	4.2	4.3	1.892201496
07/08/2015	15:46:49	80.6798	29.601	5	11	73	3.876148748
01/09/2015	12:22:55	80.6132	29.445	9.93	3.1	2.8	2.46979869
10/09/2015	14:50:48	81.8925	29.3452	2.5	2.8	39	1.359516954
10/09/2015	15:47:01	81.8387	29.3228	2.25	4	45.7	1.407714081
10/09/2015	16:26:59	81.7708	29.2897	12.44	3	9	1.431087299
10/09/2015	18:45:24	81.8478	29.3323	2.25	2.5	37.9	1.294382175
10/09/2015	19:40:37	81.8702	29.3392	2.25	2.6	37.3	1.332449325
10/09/2015	20:12:49	81.825	29.3257	2.5	5.6	63.7	1.261444141
10/09/2015	20:17:57	81.7603	29.2875	5	2.3	21.1	2.056536572
10/09/2015	20:18:56	81.7573	29.305	11.95	2.9	5.7	1.622682355
10/09/2015	20:22:24	81.7665	29.2962	11.16	3.2	4.5	1.515513562
10/09/2015	20:28:44	81.833	29.3393	5	3.6	21.4	1.277543561
10/09/2015	21:34:24	81.739	29.2665	2.5	1.3	29.1	1.467377669
10/09/2015	21:09:44	81.8318	29.3407	2.5	2.7	31.3	1.32781783
10/09/2015	22:21:17	81.8477	29.359	4.5	8.3	56.2	1.163620429
10/09/2015	22:23:08	81.7213	29.2658	5	2.8	22.3	1.406838294
10/09/2015	22:04:15	81.804	29.309	5	4.2	17.7	1.286645156
10/09/2015	22:41:22	81.8292	29.3117	3.5	3.1	19.8	1.283512478
10/09/2015	23:02:00	81.729	29.2542	5	3.1	34.9	1.528865394

10/09/2015	23:02:59	81.7322	29.2797	5	1.6	17.6	1.718242082
10/09/2015	23:26:08	81.9167	29.2787	1.49	10.7	164.4	1.34256518
10/09/2015	23:35:47	81.7718	29.2998	5	1.5	17	2.049908368
10/09/2015	06:17:56	81.7875	29.731	12.71	6.4	9.8	3.256291422
10/09/2015	06:33:35	81.7672	29.8258	5	6.4	67.3	2.054840247
11/09/2015	13:00:02	80.456	29.9022	5	9.9	82.6	1.998985882
11/09/2015	18:20:04	81.7153	29.2875	16.83	0.9	3	1.562341823
11/09/2015	18:06:57	81.7135	29.2978	12.96	1.2	5.5	2.280637169
11/09/2015	18:07:59	81.7667	29.3085	9.86	2.5	12.4	1.975113785
11/09/2015	21:30:28	81.784	29.3252	18.34	2	2.8	1.709919496
12/09/2015	11:45:52	81.8232	29.3353	2.5	1.5	20.4	1.644828719
12/09/2015	14:32:38	80.6268	29.886	11.78	3.1	4.1	1.968527982
12/09/2015	15:04:05	80.6135	29.9138	5.88	2.5	16	2.020565481
12/09/2015	18:07:19	80.5915	29.5922	10.69	3.3	3.8	1.448545356
12/09/2015	19:46:25	81.7767	29.7758	24.55	8.9	40.4	1.843120191
12/09/2015	21:08:50	81.7202	29.2857	12.69	1.2	5.9	1.447487065
12/09/2015	23:47:56	80.6248	29.4847	13.4	2.1	1.2	2.332366866
13/09/2015	22:52:49	81.9945	29.2463	4.08	1	9.5	1.975083902
13/09/2015	23:14:51	81.9582	29.2615	12.53	5.4	5	1.632569233
14/09/2015	14:18:42	82.1193	29.1835	0.45	3.8	112.8	1.960262477
15/09/2015	01:34:44	82.0033	29.0065	1.23	3.3	47.3	1.772379216
15/09/2015	01:07:17	81.386	29.1977	5	3.3	41.8	1.363461445
15/09/2015	01:08:15	82.0895	29.2118	12.66	4.5	6.6	2.510523565
15/09/2015	12:37:40	81.2443	29.2548	15.86	1.1	3.5	2.47705543
15/09/2015	16:53:23	82.1192	29.2103	1.25	3.1	27.4	1.550732456
15/09/2015	20:56:24	81.9355	28.9017	10.93	1	1.2	0.95302459
17/09/2015	22:54:22	81.9555	28.947	9.93	2.1	2.7	1.495315528
17/09/2015	23:10:46	82.0112	28.968	2.4	2.9	16.6	1.899976972
17/09/2015	08:06:30	81.9617	28.9747	11.2	1.6	2.1	2.861820835
17/09/2015	08:07:23	81.9273	29.0013	12.08	2.5	3.3	3.451759702
18/09/2015	12:07:21	81.8435	29.339	5.47	2.1	8.5	1.65735298
18/09/2015	15:05:28	81.7265	29.2722	11.55	1.1	5.4	1.435162418
18/09/2015	15:50:17	81.7283	29.288	11.21	0.9	5	2.346983943
18/09/2015	16:16:08	82.0125	29.8373	5	13.7	128.1	2.518399433
19/09/2015	17:56:22	80.5098	30.012	5	0	0	1.882909361
02/09/2015	12:29:48	80.6457	29.7818	5	4.6	26.5	2.477320605
02/09/2015	16:17:55	80.5907	29.805	5	8	47.3	1.569662486
02/09/2015	08:29:42	81.3133	28.8483	20.25	2.6	2.9	0.941578541
20/09/2015	09:20:57	80.6287	29.2722	9.12	0.4	0.5	1.260398534
21/09/2015	07:41:48	81.9875	29.2487	12.8	1.9	4.4	2.233695496
21/09/2015	09:41:11	80.572	29.821	5	3.4	21.3	1.924033959
22/09/2015	18:22:43	81.7352	29.4555	12.72	12.3	33.2	1.354881177
25/09/2015	13:36:25	81.853	29.198	5	13.9	96.2	1.291309223
25/09/2015	19:18:11	80.6117	29.4197	11.35	0.9	0.9	0.646157453
26/09/2015	16:20:33	81.6417	29.5552	18.46	3.1	2.1	2.784749295

28/09/2015	12:40:32	81.9575	28.881	10.58	2	2	1.740968815
28/09/2015	20:48:07	80.6287	29.0845	5	35.5	64.1	2.597819028
28/09/2015	23:22:17	82.1742	28.9597	11.94	7.1	23	1.353128151
28/09/2015	04:35:40	82.1213	28.9008	2.5	3.4	49.4	1.595772204
28/09/2015	08:09:00	82.1277	28.9578	12.19	6.4	13.6	1.87401758
29/09/2015	18:10:18	81.972	28.8882	7.1	3	7.8	0.983144176
29/09/2015	18:24:12	81.9637	29.511	18.33	4	3.2	1.409378406
29/09/2015	07:37:08	81.9343	28.8857	10.43	1.7	2.6	2.80139379
29/09/2015	09:27:16	80.6215	29.685	20.93	16.1	5.2	4.566640794
03/09/2015	10:25:24	82.3865	28.9943	4.5	5.1	54.1	1.748044322
03/09/2015	20:39:47	82.0557	29.9007	4.05	4.7	73	2.678937298
03/09/2015	21:20:02	82.1073	28.9258	2.5	2	20.8	1.919396734
03/09/2015	03:47:46	81.8768	28.6817	2.5	22.8	38.8	1.811908132
03/09/2015	04:41:14	81.5482	29.0473	15.66	3.6	4	0.743016504
03/09/2015	05:26:49	81.5538	29.0332	14.56	1.3	1.3	0.808687366
30/09/2015	20:15:55	80.6363	29.8858	5	54.1	339	1.715428282
04/09/2015	21:43:06	81.7267	29.4185	11.05	1	4.1	1.756402885
05/09/2015	22:52:12	81.405	29.0723	5	0.8	5	0.986081299
06/09/2015	14:21:38	81.8085	29.3993	25.61	3.7	9.5	2.273539725
06/09/2015	22:20:16	81.9002	28.8932	11.8	1.3	1.3	0.845692633
06/09/2015	03:42:26	81.5218	30.169	4.5	4.8	44.7	3.342303092
07/09/2015	11:39:42	81.5135	29.0505	11.84	0.7	1.2	1.480707972
07/09/2015	17:21:26	81.9875	29.4017	11.37	1.5	4.9	1.415418504
08/09/2015	01:13:16	81.9767	28.955	2.43	2.9	14	1.277904036
08/09/2015	19:49:10	81.8298	29.2912	1.82	1.4	23.4	1.271127488
08/09/2015	06:02:00	82.2972	29.3283	14.22	2.1	1.2	1.594010569
01/12/2014	03:46:48	81.0532	29.4692	11.45	0	0	0.195736561
01/12/2014	08:58:08	81.3855	29.4753	16.43	1.8	2.4	1.191136817
01/12/2014	09:17:38	81.0118	29.429	15.42	1.2	1.3	1.407661941
01/12/2014	09:30:30	81.013	29.4462	15.06	0.9	0.6	0.818405524
01/12/2014	10:19:13	81.0053	29.4523	14.93	0.5	0.5	0.841916061
01/12/2014	16:09:48	80.8688	29.5985	10.87	1.2	1.5	0.8359323
01/12/2014	22:21:19	81.018	29.5347	15.85	0.7	0.8	1.794839334
01/12/2014	22:52:15	80.9447	29.563	2.5	0	0	0.383612144
02/12/2014	01:31:38	80.867	29.5985	13.14	0	0	0.828022667
02/12/2014	14:51:33	81.0172	29.4168	14.23	0.9	0.5	0.732993041
02/12/2014	15:16:04	81.3188	29.5965	19.64	1.7	0.9	0.980702431
02/12/2014	15:21:02	81.0752	29.4268	11.32	0.6	1	1.304339396
02/12/2014	15:23:54	81.3232	29.5753	19.42	2.3	2	0.406687421
02/12/2014	17:40:50	81.1785	29.6732	11.48	0.8	0.4	0.554164224
02/12/2014	22:49:14	81.3308	29.523	18.91	4.2	6.2	0.653175184
02/12/2014	23:25:55	81.0707	29.4553	12.94	0.9	0.6	0.558411702
03/12/2014	06:16:02	81.1092	29.5428	14.46	2	2.3	0.46378911
03/12/2014	20:55:11	81.1845	29.433	11.68	2.2	1.3	1.072477361
04/12/2014	07:54:51	81.0278	29.4093	13.59	1.5	1	0.739066879

04/12/2014	08:09:10	80.874	29.6782	16.08	2.2	1.7	1.108770358
04/12/2014	08:31:04	80.8475	29.6392	14.12	2.6	1.3	1.476474461
04/12/2014	08:51:43	80.8472	29.6448	14.09	2.3	1.3	0.969012229
04/12/2014	09:36:50	81.2815	29.5005	22.52	0.6	0.5	0.734517337
04/12/2014	12:12:24	81.0147	29.524	15.58	0.2	0.2	0.353799391
04/12/2014	12:33:16	81.024	29.5402	16.47	0.6	0.8	3.18040461
04/12/2014	12:50:11	81.0193	29.5167	16.12	1	0.8	0.56257375
04/12/2014	13:35:17	81.3945	29.4752	17.81	2.4	2.2	1.57624519
04/12/2014	13:43:08	81.3603	29.523	20.94	1.2	0.8	1.710844176
04/12/2014	13:51:36	81.0448	29.4978	17.56	2.2	1.2	0.049757314
04/12/2014	16:31:38	81.0243	29.4155	14.86	0.8	0.8	0.764611104
04/12/2014	16:48:25	81.0277	29.518	16.63	1.3	0.9	0.319072172
04/12/2014	17:43:33	81.3207	29.4838	20.77	0.8	0.6	0.970347351
04/12/2014	20:33:35	81.029	29.5323	15.78	0.4	0.4	1.807673461
05/12/2014	01:18:28	80.801	29.7077	16.9	2.6	1.6	0.891298476
05/12/2014	02:58:41	81.2027	29.4757	5	0	0	2.301994426
05/12/2014	05:00:53	81.04	29.4663	9.65	0.7	0.6	0.327179163
05/12/2014	05:14:42	81.0112	29.4522	14.97	0.8	0.5	0.556679018
05/12/2014	09:33:05	81.0153	29.4317	15.35	0.9	0.7	1.335508466
05/12/2014	11:34:27	80.8877	29.6748	15.81	1.5	1.5	0.971840339
05/12/2014	17:48:01	81.0275	29.5385	16.36	0.5	0.6	0.82055342
05/12/2014	18:15:04	81.2213	29.408	13.79	1	1.2	1.528004085
06/12/2014	02:26:34	81.014	29.4297	14.92	0.5	0.7	1.428715706
06/12/2014	07:06:53	81.3535	29.7057	11.22	1.4	0.9	1.67666444
06/12/2014	16:32:07	81.0187	29.4467	12.81	0.3	0.3	0.06829778
06/12/2014	17:54:00	81.0313	29.5218	16.31	1	0.7	0.769613093
06/12/2014	18:33:14	81.0028	29.5305	9.04	0.6	0.8	0.747439307
07/12/2014	20:15:46	80.9688	29.5698	8.19	0.5	0.9	0.541876566
07/12/2014	20:25:08	81.3058	29.5978	15.73	0.7	0.4	0.429585029
08/12/2014	03:29:26	81.0135	29.4338	14.88	0.5	0.7	1.160264606
08/12/2014	04:00:58	81.0123	29.4283	15.15	0.6	0.8	0.907130406
08/12/2014	05:20:01	80.99	29.544	15.8	0.4	0.4	0.750630352
08/12/2014	07:57:53	81.4052	29.5722	21.87	1.6	1	1.208380721
08/12/2014	09:16:39	81.4062	29.5758	21.73	1.6	1	1.456864835
08/12/2014	16:46:47	81.2615	29.3993	18.11	1.9	2.1	0.45007257
08/12/2014	18:44:00	80.9782	29.5573	16.7	1.1	1.2	0.137492104
08/12/2014	20:17:48	81.4047	29.5707	21.82	1.4	0.9	1.075328731
09/12/2014	01:42:09	81.0125	29.4318	14.77	0.6	0.7	0.889966092
09/12/2014	01:53:24	81.0103	29.439	15.06	0.7	0.6	0.712871494
09/12/2014	02:25:09	81.0163	29.4243	14.96	0.5	0.7	1.18065236
09/12/2014	06:28:15	81.13	29.4443	14.72	0.8	0.9	1.176788942
09/12/2014	12:13:04	81.4077	29.5615	21.63	1.4	1	2.237686495
09/12/2014	12:13:39	81.4052	29.5572	22.02	0.9	0.6	2.328550996
09/12/2014	16:56:14	81.0158	29.4257	15.18	0.5	0.7	1.226721193
09/12/2014	17:57:12	81.0173	29.4253	15.33	0.5	0.7	1.556400689

09/12/2014	19:47:00	80.9915	29.5448	16.18	0.4	0.4	1.452217003
09/12/2014	20:03:58	80.9965	29.607	16.22	0.9	0.9	1.763749913
09/12/2014	21:15:43	80.9913	29.5427	15.36	0.6	0.7	0.237480133
09/12/2014	23:54:35	81.0558	29.488	12.47	0.7	0.6	1.210615111
10/12/2014	04:40:16	81.0132	29.4287	14.91	0.6	0.8	0.773638076
10/12/2014	06:27:13	81.132	29.3412	16.09	1.4	2.7	0.899138947
10/12/2014	08:55:39	81.052	29.4902	12.62	0.6	0.5	0.748469289
10/12/2014	20:11:29	81.131	29.5362	8.32	0.7	0.9	0.271069249
11/12/2014	03:11:46	81.0392	29.5937	13.58	0.7	1.1	3.671690951
11/12/2014	03:14:39	81.0382	29.5888	12.58	0.7	1	1.105925474
11/12/2014	03:47:02	81.1077	29.4103	9.61	1.1	1.5	1.771076809
11/12/2014	04:36:15	81.0402	29.5975	13.65	0.9	1.1	1.110675106
11/12/2014	04:39:22	81.0378	29.5902	13.24	0.6	1	0.632189793
11/12/2014	04:58:54	81.0288	29.6027	10.25	0.6	0.8	0.570047206
11/12/2014	05:16:17	81.042	29.595	12.99	0.8	1	1.194337979
11/12/2014	06:36:47	80.9968	29.5307	10.12	0.4	0.7	0.978885528
11/12/2014	06:38:13	81.0377	29.6057	13.71	1.1	1.1	0.654352063
11/12/2014	07:22:42	81.039	29.5895	12.74	0.6	0.8	0.983947401
11/12/2014	08:01:28	81.0358	29.5915	12.81	0.7	0.9	0.932281296
11/12/2014	11:36:29	81.037	29.5855	12.86	0.7	1.1	0.943997622
11/12/2014	14:10:19	81.037	29.5902	12.84	0.8	1	0.591406047
11/12/2014	14:21:03	81.0363	29.5873	12.36	0.5	0.7	0.36045375
11/12/2014	15:21:00	81.3788	29.5183	19.55	1.5	1.2	1.536099451
11/12/2014	15:45:34	81.4142	29.4598	18.81	1.5	1.8	1.101078054
11/12/2014	20:37:56	81.0167	29.4285	14.58	0.6	0.7	0.718972692
11/12/2014	23:43:45	81.0368	29.5927	13.58	0.7	0.8	0.788454328
12/12/2014	02:38:06	81.375	29.5068	15.82	1.2	1.2	0.895122796
12/12/2014	04:59:40	81.1513	29.6057	5	6.4	4.2	1.48351377
12/12/2014	08:34:22	81.0798	29.6758	16.99	1.4	1.3	0.839647228
12/12/2014	08:40:34	81.0818	29.6768	17.92	1.1	1	1.94996579
12/12/2014	12:21:44	81.0363	29.5852	13.22	0.7	0.9	0.916704498
12/12/2014	21:57:03	81.0355	29.6557	16.62	1	1	0.30363417
12/12/2014	22:00:24	81.3818	29.5065	16.73	1.2	1.2	1.209500277
13/12/2014	06:55:00	81.2795	29.3925	17.53	0.7	1.2	3.441659323
13/12/2014	07:05:48	81.2795	29.4065	16.93	1.5	1.6	1.197491121
13/12/2014	07:23:11	81.2967	29.3923	15.32	0.6	1.3	2.072817909
13/12/2014	07:43:16	81.2868	29.4048	16.36	1.1	1.3	1.405895312
13/12/2014	08:50:18	81.2815	29.4037	15.79	1.2	1.9	1.249107914
13/12/2014	08:57:12	81.2838	29.4117	15.75	1.7	1.9	1.100847254
13/12/2014	09:03:24	80.8873	29.6217	6.68	0.7	0.6	1.006593472
13/12/2014	09:51:51	81.2795	29.3892	17.93	0.9	1.6	1.146453459
13/12/2014	10:54:11	80.9705	29.4995	12.66	0.8	0.9	0.954942275
13/12/2014	11:13:55	81.0865	29.4912	3.5	0.9	0.8	0.769884293
13/12/2014	14:23:51	81.2285	29.6467	10.04	1.6	1.2	0.407579655
13/12/2014	14:42:29	81.0383	29.5973	12.99	0.7	1	0.411703213

13/12/2014	17:44:46	81.287	29.3975	15.83	1.4	1.8	1.200970065
13/12/2014	18:55:10	80.8197	29.4838	12.1	0.6	0.8	0.584870225
13/12/2014	20:52:39	81.1572	29.3975	11.59	1.4	1.8	0.757084757
13/12/2014	22:39:25	81.0278	29.5268	15.33	0.6	0.7	0.457251132
14/12/2014	01:54:06	80.9912	29.6873	3.75	1.1	5.2	0.956098512
14/12/2014	02:31:12	81.0142	29.4362	11.02	0.7	1.1	1.67613835
14/12/2014	05:11:54	81.2952	29.3968	16.12	0.6	1.1	1.597558819
14/12/2014	06:58:33	81.275	29.4043	18.38	1.6	1.6	0.822296106
14/12/2014	12:01:54	81.2953	29.3982	16.77	2.2	4.4	1.295882114
14/12/2014	15:11:43	81.1695	29.6048	13.61	0.7	0.6	0.657005608
14/12/2014	18:31:18	81.02	29.5042	9.39	0.7	0.9	0.493441195
14/12/2014	19:30:56	81.0787	29.4893	15.52	1.2	0.6	0.637351129
14/12/2014	19:42:46	81.0613	29.5207	15.75	0.5	0.5	1.825841142
14/12/2014	19:54:03	81.0655	29.5132	15.26	0.7	0.5	0.70814653
14/12/2014	20:15:11	81.0615	29.5138	16.21	0.6	0.6	1.953808589
14/12/2014	21:34:18	81.024	29.4417	10.29	0.9	1.1	0.730862022
14/12/2014	22:12:29	80.9792	29.5527	10.34	0.5	0.7	0.976556393
15/12/2014	02:31:24	81.2715	29.4155	17.57	1	1.1	1.356243856
15/12/2014	13:51:10	81.0612	29.5155	14.81	0.6	0.4	0.446849692
15/12/2014	14:53:24	80.9138	29.7033	13.3	0.9	1	1.353630732
15/12/2014	17:17:28	81.0927	29.6698	15.57	1.5	1.4	0.532041477
15/12/2014	19:02:41	81.0705	29.5032	14.58	1.1	0.7	0.42477541
15/12/2014	19:18:24	81.4165	29.5638	21.28	1.3	0.9	1.251552229
15/12/2014	22:11:41	80.9375	29.493	11.91	1.2	1.4	0.624844925
16/12/2014	00:04:16	80.9418	29.49	12.47	0.6	0.7	1.338163463
16/12/2014	09:33:54	81.2892	29.389	16.25	0.7	1.5	1.632579877
16/12/2014	09:40:31	81.093	29.4933	14.9	0.7	0.5	0.58776704
16/12/2014	12:13:24	81.2667	29.4065	17.46	0.8	0.8	0.794788648
16/12/2014	12:22:19	81.0627	29.5227	14.06	1.1	1	0.393331416
16/12/2014	13:58:24	81.0302	29.513	9.97	0.9	0.9	0.579125418
16/12/2014	18:43:56	81.2943	29.3845	17.45	0.6	1.2	3.784497892
16/12/2014	18:50:35	81.2985	29.3922	16.53	0.5	0.9	1.632296863
16/12/2014	18:55:39	81.298	29.3858	15.53	0.6	1.1	2.192629084
16/12/2014	19:17:25	81.3052	29.377	11.63	0.6	1.7	1.467872849
16/12/2014	19:20:09	81.3008	29.378	11.61	0.5	1.5	1.649800217
16/12/2014	19:33:06	81.319	29.3793	12.39	1.2	2.2	0.712276087
16/12/2014	19:48:37	81.0983	29.491	15.8	1	0.5	0.667771231
16/12/2014	20:00:34	81.0717	29.5032	15.61	0.7	0.5	1.121228061
16/12/2014	20:17:09	81.3055	29.3863	14.85	0.6	1.3	1.627919962
16/12/2014	20:34:28	81.2867	29.3883	16.03	2.5	3.2	0.550969543
16/12/2014	20:46:09	81.0865	29.4807	15.28	1.6	1.1	1.154978661
16/12/2014	21:56:34	81.2932	29.3828	15.76	0.7	1.4	3.101564995
16/12/2014	22:06:10	81.0865	29.4472	10.96	1.2	0.6	0.765730164
16/12/2014	23:17:36	81.0723	29.5003	15.56	0.5	0.3	1.547516707
17/12/2014	00:21:22	81.3012	29.3795	10.93	0.5	1.9	1.203251757

17/12/2014	07:13:30	81.0747	29.4885	15.65	1.1	0.6	1.148677519
17/12/2014	15:07:03	81.0562	29.5158	14.61	0.8	0.7	0.122249483
17/12/2014	15:12:15	81.0513	29.5242	14.42	0.9	0.8	0.21062579
17/12/2014	15:19:06	81.0588	29.513	15.89	0.6	0.5	1.443250488
17/12/2014	17:08:00	81.0713	29.5032	14.73	1.2	1	1.104704221
17/12/2014	17:33:41	81.0645	29.5103	16.55	0.6	0.5	2.051223732
17/12/2014	17:44:39	81.0587	29.5188	14.53	0.9	0.7	0.714340244
17/12/2014	17:55:41	81.0595	29.5135	15	0.8	0.7	0.500773301
17/12/2014	20:14:08	81.3212	29.6358	13.98	1.4	0.7	0.733358091
17/12/2014	22:45:55	80.9353	29.491	11.37	0.8	0.9	0.362464401
18/12/2014	00:39:57	81.0597	29.5133	14.76	0.8	0.6	0.735774692
18/12/2014	00:45:53	81.0628	29.509	15.8	0.7	0.5	1.373979213
18/12/2014	01:20:32	80.872	29.5627	12.9	0.4	0.5	0.8206202
18/12/2014	02:51:04	80.9342	29.4893	11.11	1	1.2	0.446445431
18/12/2014	06:08:08	81.1623	29.356	14.5	1.9	2.6	0.883666271
18/12/2014	10:47:26	81.0602	29.5103	14.5	0.8	0.6	0.245824218
18/12/2014	11:50:43	81.1953	29.5732	11.24	0.7	0.7	0.742661772
18/12/2014	17:33:13	81.1188	29.4382	12.38	0.5	0.7	1.042656328
18/12/2014	17:48:19	81.2698	29.599	13.75	0.5	0.3	0.244501169
18/12/2014	18:58:54	80.8688	29.5985	5	4.8	4.6	1.584373758
18/12/2014	19:43:47	80.877	29.566	12.93	0.5	0.5	0.963472478
18/12/2014	20:15:35	81.0235	29.3277	10.6	0.8	2	1.25393273
18/12/2014	21:30:39	81.3015	29.392	14.89	0.6	1.2	0.966135748
19/12/2014	01:34:04	81.0642	29.5045	14.54	0.8	0.7	0.35012656
19/12/2014	05:16:51	81.0705	29.5032	15.18	0.9	0.7	0.850621505
19/12/2014	11:06:33	81.0102	29.3598	17.03	1.2	1.5	1.169850544
19/12/2014	11:41:31	81.064	29.5095	14.85	0.5	0.4	1.089673556
19/12/2014	13:08:37	80.89	29.4317	11.87	0.4	0.4	1.062276137
19/12/2014	16:00:16	81.3433	29.5925	18	0.8	0.5	1.446530801
19/12/2014	16:20:37	81.4088	29.5727	22.21	1.3	0.8	1.084165752
19/12/2014	16:51:28	81.3163	29.5698	18.05	0.9	0.6	1.202044163
19/12/2014	19:57:38	81.0517	29.5188	15.18	0.9	0.7	0.357019557
19/12/2014	22:04:42	81.055	29.5138	15.24	0.5	0.4	0.426959571
19/12/2014	22:22:52	81.059	29.5122	15.76	0.5	0.4	1.239172866
19/12/2014	22:26:30	81.0568	29.5137	15.5	0.6	0.5	0.83342861
19/12/2014	23:10:39	80.6962	29.691	15.68	1.7	2	1.515026192
20/12/2014	04:29:52	81.4752	29.648	3.7	5.3	23.2	0.582902281
20/12/2014	05:15:15	81.0645	29.5032	14.88	0.6	0.6	0.628024511
20/12/2014	10:37:50	80.712	29.5723	14.78	1.3	1	1.066448421
20/12/2014	11:10:46	80.875	29.372	6.61	0.1	0.3	0.685269531
20/12/2014	14:01:12	81.0808	29.4445	11.04	1	0.8	0.331584787
20/12/2014	15:43:57	81.0605	29.5157	15.25	0.5	0.5	0.750712839
20/12/2014	22:03:52	80.9495	29.6498	14.98	1.1	0.9	0.234457763
21/12/2014	00:02:36	81.3693	29.5142	20.2	0.9	0.7	1.801158338
21/12/2014	00:13:38	81.0547	29.5138	15.43	0.8	0.7	0.156184424

21/12/2014	00:16:17	81.0503	29.5137	15.32	0.6	0.5	0.285397672
21/12/2014	01:01:44	80.9088	29.4235	12.18	0.5	0.7	1.052479936
21/12/2014	08:40:44	81.0677	29.5067	14.93	0.8	0.6	0.885557989
21/12/2014	09:09:10	81.06	29.5032	14.89	0.5	0.4	0.839955074
21/12/2014	15:39:25	80.9088	29.3817	12.79	0.6	1.2	1.98865224
21/12/2014	16:03:53	81.0553	29.5133	15.77	0.6	0.5	1.141758649
21/12/2014	17:45:10	80.924	29.603	12.51	0.9	1.1	1.498368737
21/12/2014	17:57:21	80.9657	29.5107	11.29	0.6	0.6	0.33141151
22/12/2014	04:46:59	81.0597	29.5032	9.85	0.8	0.7	0.191127301
22/12/2014	13:08:12	81.2333	29.4163	13.15	1	1.1	1.66242103
22/12/2014	13:31:40	81.0597	29.5032	9.97	0.4	0.4	0.335117536
22/12/2014	14:32:17	80.9645	29.4965	13.12	0.7	0.8	1.286442472
22/12/2014	14:53:20	81.2818	29.4953	18.77	1.5	1.3	1.370538106
22/12/2014	19:42:54	81.0632	29.5032	15.76	0.8	0.6	1.01456085
22/12/2014	20:37:35	81.0593	29.5135	15.98	0.5	0.4	1.833333196
22/12/2014	20:41:51	81.0582	29.5125	14.59	0.7	0.6	0.217250424
22/12/2014	20:45:10	81.0663	29.5085	15.57	0.9	0.7	0.909355034
22/12/2014	20:47:25	81.0602	29.5098	15.65	0.7	0.6	0.433028119
22/12/2014	20:50:04	81.0533	29.52	15.84	0.6	0.5	1.34958321
22/12/2014	21:34:49	81.3772	29.5932	16.26	2	1.4	0.782260766
22/12/2014	21:39:36	81.3533	29.6045	17.36	0.9	0.5	1.49363929
22/12/2014	21:48:16	81.077	29.4857	12.67	1.8	1.4	1.240350047
22/12/2014	22:04:44	81.0668	29.5032	15.07	0.7	0.4	0.44989248
22/12/2014	22:08:55	81.0622	29.512	15.38	0.7	0.6	0.394898857
22/12/2014	22:11:07	81.0673	29.5032	15.21	0.8	0.6	0.161227462
22/12/2014	23:38:20	81.0582	29.5135	15.54	0.5	0.4	1.11644049
23/12/2014	01:07:12	81.0813	29.4465	11.23	0.8	0.9	0.378036621
23/12/2014	01:19:23	81.0598	29.5018	14.1	0.7	0.7	0.364475452
23/12/2014	07:10:58	81.0578	29.5032	15.03	0.7	0.5	0.766224151
23/12/2014	10:21:02	80.94	29.4952	11.92	0.7	0.8	0.94957178
23/12/2014	10:33:53	81.2982	29.4025	16.28	1.8	1.9	0.954514276
23/12/2014	11:44:19	81.1028	29.3515	12.01	2.5	3.4	0.72955381
23/12/2014	16:33:06	80.8763	29.5632	13.24	0.5	0.6	1.073010656
23/12/2014	19:59:17	81.0153	29.4342	13.91	0.7	0.9	0.310122595
23/12/2014	20:09:55	81.296	29.3867	15.76	0.6	1.1	1.537135666
23/12/2014	22:53:38	81.0152	29.4325	14.56	0.5	0.7	0.629417421
24/12/2014	05:56:26	81.0663	29.5093	16.37	0.6	0.5	1.523147119
24/12/2014	10:29:38	81.0115	29.4372	15.14	0.7	0.7	0.916822249
24/12/2014	12:02:51	81.0115	29.4312	14.79	0.6	0.7	1.007732131
24/12/2014	14:14:47	81.13	29.6973	15.34	0.8	0.8	2.278688475
24/12/2014	18:57:35	81.0557	29.4923	13.25	0.4	0.5	1.782381872
24/12/2014	23:13:47	80.7313	29.2717	10	0.9	2	1.75372034
25/12/2014	00:43:27	81.2867	29.5398	16.33	0.7	0.6	1.023720606
25/12/2014	02:40:55	81.2253	29.4428	14.66	1.3	1.2	1.702324618
25/12/2014	04:31:06	81.1902	29.5838	13.25	0.8	0.8	1.309921631

25/12/2014	05:36:38	81.2955	29.4935	17.29	1.2	1.2	0.867007267
25/12/2014	06:53:30	81.0648	29.5032	14.76	0.5	0.4	0.391101971
25/12/2014	08:42:15	80.9702	29.503	11.2	0.6	0.8	0.996766081
25/12/2014	09:26:35	81.2893	29.5297	17.72	1	0.8	0.726417296
25/12/2014	10:37:07	81.2927	29.4843	16.81	1.2	1	1.005062949
25/12/2014	14:04:05	81.4617	29.43	5	1.2	9.2	1.575747096
25/12/2014	14:12:17	81.3693	29.5048	19.54	1.2	1.1	1.124539045
25/12/2014	16:57:27	81.0678	29.509	15.07	0.6	0.5	1.052225268
25/12/2014	17:10:00	81.0632	29.5118	14.95	0.7	0.7	0.413425357
25/12/2014	17:41:57	81.069	29.5068	15.25	0.4	0.5	0.643883311
25/12/2014	17:47:12	81.0878	29.5622	8.4	0.6	1.2	0.670662567
25/12/2014	19:07:19	81.069	29.5032	14.58	0.8	0.6	0.385218557
25/12/2014	20:36:41	81.2575	29.6588	10.23	0.9	0.6	1.055418967
26/12/2014	02:37:56	81.0672	29.5032	14.75	0.6	0.5	1.004901767
26/12/2014	03:30:08	81.0543	29.5075	15.49	0.5	0.3	0.413663625
26/12/2014	05:27:38	80.9413	29.5478	8.29	0.8	1.3	0.453213427
26/12/2014	07:16:56	81.2817	29.4887	17.41	1.2	1.1	1.514485922
26/12/2014	16:29:12	81.067	29.5032	14.69	0.6	0.5	0.506687102
26/12/2014	20:16:26	81.068	29.5032	14.7	0.8	0.6	0.240866706
27/12/2014	11:15:13	80.9467	29.5073	13.74	0.6	0.6	1.086156758
27/12/2014	11:19:47	80.947	29.507	14.55	0.5	0.5	2.44079389
27/12/2014	12:27:41	80.9457	29.509	14.15	0.5	0.5	1.030561854
27/12/2014	16:52:39	81.2883	29.3718	18.72	0.6	1.2	1.330651089
27/12/2014	17:13:02	80.8688	29.6247	14.18	1	0.8	1.183787744
27/12/2014	18:22:29	81.2867	29.4905	17.98	1.3	1.2	1.645272262
27/12/2014	19:24:51	81.2737	29.3685	18.66	0.8	1.6	0.999702845
27/12/2014	20:06:22	81.2918	29.3612	15.54	0.5	1.2	1.563399872
27/12/2014	21:03:25	81.2927	29.3648	17.41	0.6	1.2	1.818072367
27/12/2014	21:27:08	80.9472	29.5097	14.3	0.5	0.6	0.841806836
27/12/2014	21:32:09	80.946	29.5122	13.79	0.6	0.8	0.445152376
27/12/2014	22:54:18	81.1583	29.3897	15.51	1.2	1.6	0.775186814
27/12/2014	23:11:43	80.8212	29.4927	12.46	0.5	0.6	0.479775074
28/12/2014	01:07:47	80.7555	29.4857	11.24	0.6	0.4	1.63861106
28/12/2014	01:32:21	81.1513	29.6057	5	7.2	6.2	1.495889507
28/12/2014	02:06:13	80.8777	29.5623	13.61	0.5	0.5	1.124797118
28/12/2014	02:56:17	81.0678	29.509	15.42	0.6	0.6	1.136067219
28/12/2014	05:04:05	80.9472	29.5068	14.42	0.4	0.5	2.134452627
28/12/2014	05:21:12	81.002	29.594	13.36	0.8	1	0.79550311
28/12/2014	11:09:48	80.9383	29.393	13.64	0.3	0.6	2.309261201
28/12/2014	14:11:44	81.06	29.4912	13.79	1.6	1.6	0.499093132
28/12/2014	15:28:42	80.9895	29.416	12.61	0.7	0.7	0.491755727
28/12/2014	15:35:03	81.0597	29.5078	16.01	0.7	0.6	0.859491946
28/12/2014	15:45:59	81.4382	29.4028	17.17	0.8	2	1.059606666
28/12/2014	17:34:14	81.2852	29.4865	17.17	1.2	1.2	0.961284649
28/12/2014	18:23:58	81.0535	29.5203	16.63	0.6	0.6	3.707953686

28/12/2014	18:32:01	81.0672	29.5032	14.63	0.8	0.6	0.311476218
28/12/2014	18:46:11	81.0685	29.5032	16.04	0.9	0.7	0.662112828
28/12/2014	19:15:34	81.0638	29.5103	15.01	0.7	0.5	0.351968353
28/12/2014	19:48:56	81.0202	29.5052	11.24	0.5	0.7	0.96784292
28/12/2014	21:55:17	81.0672	29.504	14.84	0.7	0.5	0.3450719
28/12/2014	22:02:02	81.0655	29.5032	14.84	0.8	0.6	0.269660539
28/12/2014	22:20:59	81.063	29.5162	15.28	0.5	0.4	0.872572126
28/12/2014	22:29:33	81.049	29.5227	15.93	0.5	0.4	1.097607392
28/12/2014	22:40:48	81.0653	29.5073	14.56	0.7	0.6	0.36639675
28/12/2014	23:04:17	81.0118	29.3425	12.72	0.9	1.2	0.585204099
29/12/2014	01:35:16	81.0673	29.5032	14.49	0.5	0.5	0.837518152
29/12/2014	01:39:43	81.0678	29.5063	15.17	0.6	0.5	0.759652961
29/12/2014	01:56:30	80.9788	29.3643	11.59	0.5	1.1	1.757990638
29/12/2014	02:52:30	81.0615	29.503	13.82	0.7	0.8	0.453260295
29/12/2014	03:22:27	81.0522	29.5178	15.79	0.7	0.5	1.049740062
29/12/2014	05:55:36	81.0737	29.5012	15.71	0.6	0.5	1.220758759
29/12/2014	06:05:47	81.0808	29.3802	14.52	0.7	1	0.926574565
29/12/2014	10:28:39	81.052	29.5193	15.7	0.5	0.5	2.022921392
29/12/2014	14:14:23	80.8638	29.6	15.18	0.6	0.6	0.710330048
29/12/2014	17:18:04	80.8712	29.5653	13.36	0.4	0.4	0.411547598
29/12/2014	18:43:27	81.0507	29.5167	15.24	0.6	0.5	0.435201429
29/12/2014	23:22:44	81.0658	29.5042	14.98	0.7	0.6	0.555990417
29/12/2014	23:30:13	81.0695	29.5032	15.26	0.5	0.4	0.80116633
29/12/2014	23:39:24	81.063	29.5112	15.47	0.8	0.7	0.820583904
30/12/2014	01:18:50	81.0687	29.5042	14.83	0.7	0.5	0.875914345
30/12/2014	05:55:54	81.0617	29.5137	15.56	0.8	0.7	0.571405712
30/12/2014	09:37:40	81.0657	29.5163	14.11	0.5	0.5	0.515809599
30/12/2014	13:11:29	81.056	29.5032	12.59	1.1	1	0.391430795
30/12/2014	13:41:56	81.072	29.506	15.71	0.6	0.5	1.450477798
30/12/2014	14:08:58	81.0745	29.5032	15.69	0.8	0.6	1.389279725
30/12/2014	18:24:27	81.0708	29.5032	14.72	0.9	0.5	0.545246123
30/12/2014	19:14:06	81.3273	29.5608	13.93	0.8	0.7	0.498284156
30/12/2014	23:06:21	81.0143	29.4295	15.28	0.4	0.6	1.602546857
31/12/2014	06:56:42	81.073	29.491	14.86	1	0.6	0.963273717
31/12/2014	07:04:24	81.0662	29.5032	14.05	2	1.3	1.358903236
31/12/2014	10:11:37	80.8688	29.6455	18.6	1.2	1	1.705598837
31/12/2014	13:59:16	80.883	29.5615	12.92	0.5	0.6	0.997887298
31/12/2014	14:46:10	81.0642	29.5032	15.35	1	0.4	0.738492429
31/12/2014	17:28:06	81.0602	29.5107	14.71	0.6	0.4	0.436246999
31/12/2014	20:27:08	81.0535	29.5183	15.25	0.5	0.4	0.902914495
31/12/2014	20:56:21	81.0655	29.5032	15.16	1	0.4	0.690564615
31/12/2014	21:14:24	81.0552	29.5157	14.75	0.6	0.4	0.463449789
31/12/2014	23:16:33	81.1243	29.7158	9.28	1.8	2.7	0.684630693
01/01/2015	00:29:16	81.0457	29.594	14.48	0.8	0.8	0.544219383
01/01/2015	02:35:45	81.0657	29.5035	15.21	1.4	0.9	0.68895785

01/01/2015	05:45:08	81.0865	29.5032	5	0	0	3.902210324
01/01/2015	08:14:56	81.0127	29.429	14.29	0.9	0.8	0.885152709
01/01/2015	08:49:46	81.0157	29.428	15.1	0.9	0.7	1.602194455
01/01/2015	12:01:27	81.0907	29.4783	12.06	0.4	0.3	0.252413357
01/01/2015	12:24:58	81.0898	29.483	12.14	0.3	0.3	0.667793451
01/01/2015	13:27:25	81.0907	29.437	30.63	8.4	3.9	0.967037466
01/01/2015	17:21:20	81.0617	29.5105	15.2	0.7	0.5	0.755935644
01/01/2015	18:23:11	81.0705	29.5083	14.71	0.6	0.5	0.381093251
01/01/2015	18:26:26	81.0687	29.5075	14.46	0.7	0.6	0.373145386
01/01/2015	22:25:09	81.1017	29.7063	16.85	0.9	0.7	0.889452885
02/01/2015	01:37:55	80.7523	29.4475	12.7	0.7	0.6	0.811435136
02/01/2015	01:52:25	81.0673	29.5162	14.68	0.3	0.3	0.509771972
02/01/2015	02:00:33	81.2428	29.5658	12.75	0.9	0.8	0.87302949
02/01/2015	12:50:38	81.0612	29.5212	13.64	0.7	0.7	0.837288462
02/01/2015	15:04:13	81.0765	29.5077	15.52	0.7	0.6	1.08292764
02/01/2015	15:39:32	81.0715	29.4885	14.09	3.2	2.1	0.261413704
02/01/2015	19:48:24	81.0485	29.5258	14.78	1.2	0.9	0.279577232
02/01/2015	22:21:28	81.0695	29.5032	14.89	0.7	0.5	0.757657089
02/01/2015	23:17:05	80.8688	29.5985	5	12	11.4	2.615158348
03/01/2015	00:32:26	81.2157	29.6102	16.5	1	0.7	1.363470553
03/01/2015	12:32:25	81.0507	29.513	14.17	0.6	0.6	0.513502391
03/01/2015	15:46:51	80.8688	29.6382	5	5.5	4.1	1.373283475
03/01/2015	22:09:01	81.0833	29.555	9.79	0.5	0.6	0.885600741
04/01/2015	01:01:11	81.0498	29.5183	15.72	1.7	1.2	0.272861607
04/01/2015	12:38:53	81.0667	29.5062	14.9	0.2	0.2	0.313441214
04/01/2015	14:07:53	81.0698	29.5042	14.96	0.6	0.6	0.623485982
04/01/2015	14:11:24	81.0703	29.5077	14.79	0.5	0.4	0.380484423
04/01/2015	15:33:46	81.2397	29.3567	16.37	2.1	2.4	0.660480408
04/01/2015	19:17:07	81.0108	29.4353	15.02	0.7	0.3	0.355556286
05/01/2015	05:39:15	81.1235	29.389	16.77	3.2	2.2	0.576888108
05/01/2015	08:25:23	81.0697	29.5087	14.61	0.7	0.5	0.700450947
05/01/2015	09:03:22	81.0718	29.5032	14.9	0.6	0.6	0.849069493
05/01/2015	13:17:25	80.8813	29.5985	8.75	0.8	1.2	0.925080716
05/01/2015	14:43:50	81.0575	29.314	10.73	1.2	1.8	0.522122767
05/01/2015	16:41:45	81.0725	29.504	16.36	0.6	0.4	1.719278604
05/01/2015	16:46:45	81.0695	29.5102	15.92	0.5	0.4	1.213949689
05/01/2015	16:51:39	81.0783	29.4922	14.08	1.2	1.5	1.477401822
05/01/2015	17:08:45	81.0745	29.5025	15.23	0.8	0.6	0.337118444
05/01/2015	22:07:45	81.1075	29.7155	16.85	1.1	1	1.008250421
05/01/2015	23:00:16	81.0098	29.4468	14.82	0.9	0.4	0.407350856
05/01/2015	23:49:33	81.0708	29.5032	14.49	0.7	0.5	0.431493722
06/01/2015	03:47:53	80.9885	29.5088	11.12	0.6	0.6	0.974458477
06/01/2015	10:50:00	81.0643	29.5077	15.48	0.6	0.5	1.198578834
06/01/2015	10:55:13	81.0673	29.5077	15.5	0.7	0.6	1.347694003
06/01/2015	10:56:03	81.067	29.509	14.59	0.5	0.4	1.138872686

06/01/2015	11:01:26	81.0662	29.5002	15.36	0	0	0.322539303
06/01/2015	13:29:57	81.2745	29.4523	15.74	1.7	2.1	0.461699555
06/01/2015	16:49:58	81.0655	29.509	14.59	0.8	0.5	0.398260991
06/01/2015	18:13:34	81.2117	29.4108	13.93	0.9	0.9	1.592658365
07/01/2015	01:16:39	81.0723	29.501	15.07	0.5	0.4	0.239838893
07/01/2015	01:20:22	81.0693	29.5062	15.08	0.5	0.5	1.088179407
07/01/2015	01:56:01	81.3928	29.4718	13.9	1.4	1.4	0.960546557
07/01/2015	12:14:05	81.0713	29.5032	14.98	0.6	0.5	1.089605471
07/01/2015	13:50:52	81.4765	29.4537	5	6.8	4.3	1.695171049
07/01/2015	21:03:35	81.343	29.4772	8.3	0.4	1.1	0.41367969
07/01/2015	21:19:34	81.0682	29.5077	14.66	0.7	0.5	0.395598749
07/01/2015	21:29:58	81.053	29.5203	14.63	0.8	0.6	0.266361873
08/01/2015	05:16:23	81.4198	29.4213	19.19	1.4	1.4	2.495169498
08/01/2015	05:21:02	81.2915	29.5167	16.4	0.9	1.1	1.152567422
08/01/2015	08:01:20	80.8532	29.6723	15.42	0.9	0.6	1.309926475
08/01/2015	08:25:29	80.847	29.7022	5	1.8	9.3	1.038452996
08/01/2015	13:10:21	81.0787	29.4918	11.59	1.3	1.6	1.566865948
08/01/2015	19:57:34	81.094	29.554	12.22	0.8	0.9	0.735521022
08/01/2015	20:10:18	80.6838	29.6995	15.47	1.9	2	0.809359899
09/01/2015	06:09:07	81.01	29.4455	14.86	0.7	0.5	0.912120677
09/01/2015	11:01:17	81.0717	29.5123	14.01	0.9	0.7	0.933865039
09/01/2015	11:05:13	81.0637	29.5332	14.45	0.6	0.3	0.607074596
09/01/2015	14:03:25	81.1973	29.5698	12.05	0.8	0.7	1.226313177
09/01/2015	14:25:19	81.3323	29.4518	7.3	2	3.3	0.324063764
10/01/2015	00:42:29	81.175	29.508	6.31	0.6	1	0.711667513
10/01/2015	04:07:16	81.0542	29.5032	15.07	0.9	0.6	1.388585331
10/01/2015	08:40:05	81.0345	29.533	15.59	1	0.8	0.679674039
10/01/2015	08:44:39	81.0322	29.5258	14.88	0.9	1	0.436786753
10/01/2015	16:03:52	80.9055	29.4247	11.87	0.8	0.6	0.372373593
10/01/2015	21:31:33	81.2283	29.5725	12.9	0.7	0.6	0.807716178
11/01/2015	00:04:59	81.2368	29.5603	14.41	1.4	1.5	0.703083677
11/01/2015	00:32:58	81.0477	29.5203	15.04	0.8	0.6	0.507830218
11/01/2015	09:42:02	81.0682	29.5178	14.7	0.5	0.3	0.664801491
11/01/2015	12:26:42	81.0692	29.5133	14.91	0.6	0.4	1.27955283
11/01/2015	12:29:24	81.0733	29.5045	15.25	1	0.4	0.655925928
11/01/2015	12:48:25	81.0743	29.5017	14.57	0.7	0.3	0.843855952
11/01/2015	21:12:48	81.0865	29.4828	15.29	1.1	0.5	0.343174221
11/01/2015	21:15:15	81.0752	29.5032	14.12	1.1	0.7	0.942069428
12/01/2015	01:35:42	81.0865	29.4837	15.13	0.9	0.5	0.856202328
12/01/2015	06:33:31	81.0865	29.4848	14.9	1.3	0.8	0.346290143
12/01/2015	06:34:48	81.3552	29.5412	13.81	0.6	0.6	1.211044118
12/01/2015	06:43:50	80.9105	29.6153	14.47	0.7	0.9	1.921388752
12/01/2015	14:04:20	81.2872	29.5718	19.14	0.6	0.5	1.327782809
12/01/2015	17:42:05	81.0512	29.5255	14.8	0.7	0.6	0.550876509
12/01/2015	23:28:28	81.072	29.5002	14.21	1.3	0.7	0.704739953

13/01/2015	02:56:36	80.9775	29.3787	11.09	1.6	1.3	1.771298033
13/01/2015	12:16:58	80.8592	29.7603	2.25	2.2	11.9	2.657594634
13/01/2015	15:18:58	81.0617	29.5218	14.26	0.3	0.2	0.201490634
13/01/2015	17:31:52	80.7437	29.5227	5	4.2	5	1.873833666
13/01/2015	18:27:52	81.0458	29.5208	13.14	0.9	1	0.550669422
13/01/2015	21:39:38	81.2762	29.5022	10.74	0.6	1.1	0.180132216
14/01/2015	05:25:17	81.0658	29.5032	13.47	1.1	0.8	0.571353109
14/01/2015	07:58:20	80.8688	29.5985	5	6.9	5.8	1.915568597
14/01/2015	10:32:11	80.9938	29.3645	10.96	1.1	1.5	1.193487598
14/01/2015	13:50:36	80.922	29.5217	14.89	0.7	0.7	1.611354912
15/01/2015	07:49:37	80.8688	29.5985	5	27	24.8	1.529423389
15/01/2015	14:47:11	80.9893	29.5078	10.75	0.5	0.7	1.08413272
15/01/2015	15:01:25	81.2408	29.444	16.44	1.9	2.1	0.543636327
15/01/2015	15:16:25	80.9872	29.5148	10.63	0.4	0.6	0.382110788
15/01/2015	18:05:58	80.983	29.5215	9.38	1	1.6	0.465240505
15/01/2015	18:22:41	80.9892	29.5113	11.02	0.5	0.7	0.663222464
16/01/2015	09:09:20	81.0717	29.5092	15.05	0.8	0.6	0.949029945
16/01/2015	09:23:24	81.0707	29.5072	14.66	0.6	0.5	1.050716543
16/01/2015	13:33:07	81.0693	29.5095	14.33	0.7	0.6	0.511776178
16/01/2015	13:41:26	81.023	29.381	12.99	5	4.5	0.379844574
16/01/2015	15:46:50	81.0707	29.504	14.66	0.7	0.5	0.775429915
16/01/2015	20:18:52	80.99	29.5332	5.63	0.7	1.6	0.011144992
17/01/2015	02:42:00	81.2027	29.4082	10.08	1.9	2.8	1.036208592
17/01/2015	11:20:05	81.0027	29.436	16.42	3	1.4	0.68991029
17/01/2015	13:58:15	81.0338	29.5492	15.44	1.2	1.2	0.304240257
17/01/2015	17:46:27	81.2187	29.6015	15.46	0.9	0.6	1.14853043
17/01/2015	20:14:23	81.2823	29.5793	10.15	0.8	0.8	0.590194668
18/01/2015	00:32:54	80.7323	29.636	15.61	0.9	0.6	1.128208268
18/01/2015	06:42:52	81.3978	29.4733	14.64	1.4	1.2	1.517855146
18/01/2015	08:45:42	81.0895	29.4912	6.5	0.5	0.5	1.345054403
18/01/2015	12:52:00	81.0623	29.516	15.06	0.5	0.4	0.356652551
18/01/2015	13:15:04	81.0618	29.5138	14.99	0.7	0.6	0.859966145
18/01/2015	13:33:16	81.068	29.504	14.78	0.7	0.5	0.395063344
18/01/2015	14:02:22	80.9875	29.5835	19.3	0.6	0.6	3.44261847
18/01/2015	14:42:26	81.0672	29.5113	14.7	0.6	0.5	0.530919131
18/01/2015	15:29:05	81.072	29.5047	16.05	0.5	0.4	1.808073942
18/01/2015	15:31:35	81.069	29.5075	15.22	0.7	0.6	0.76935367
18/01/2015	15:39:05	81.07	29.5082	14.82	0.6	0.4	0.235880414
18/01/2015	16:23:34	81.0678	29.5145	14.25	0.6	0.5	0.021386803
18/01/2015	18:27:59	81.0743	29.5087	15.55	0.7	0.5	0.512746654
18/01/2015	18:37:08	80.7437	29.5245	11.21	13.1	12.6	2.531193627
18/01/2015	19:42:55	81.0742	29.5042	15.41	0.8	0.5	0.683679715
18/01/2015	20:29:29	81.0623	29.5032	19.12	1.9	1.4	1.337485773
18/01/2015	20:41:15	81.0668	29.5032	14.95	3.5	1.7	0.40857407
18/01/2015	20:51:29	81.0662	29.5128	14.39	0.6	0.4	0.907303239

18/01/2015	20:52:02	81.0683	29.5082	15.51	0.6	0.5	1.364193036
18/01/2015	23:27:50	81.0723	29.51	14.94	0.6	0.5	0.232331124
18/01/2015	23:45:45	81.0663	29.5087	14.6	0.7	0.5	0.435693751
19/01/2015	03:42:35	81.0692	29.4992	14.27	0.6	0.5	0.768742355
19/01/2015	06:16:23	81.0638	29.5117	14.84	0.2	0.2	0.181328028
19/01/2015	08:01:53	81.069	29.5032	14.43	0.8	0.6	0.512534193
19/01/2015	11:12:34	80.7235	29.5577	15.05	1.6	0.8	1.792106778
19/01/2015	13:00:20	81.0705	29.503	14.85	0.8	0.8	0.836741671
19/01/2015	13:13:32	81.066	29.5087	14.83	0.6	0.5	0.582015256
19/01/2015	13:19:42	81.0718	29.5058	15.46	0.8	0.5	1.589903872
19/01/2015	14:20:49	81.0203	29.4222	14.67	0.5	0.6	2.331415815
19/01/2015	17:32:07	81.0678	29.5163	14.25	0.8	0.6	0.517920384
19/01/2015	19:01:57	81.0213	29.4215	15.23	0.6	0.8	2.506938434
19/01/2015	19:24:42	81.0153	29.4313	13.47	0.6	0.6	0.23083379
20/01/2015	00:13:38	81.0425	29.6785	15.68	1.9	1.9	0.514086858
20/01/2015	03:22:20	81.0747	29.5093	14.83	0.5	0.4	0.822378206
20/01/2015	03:38:59	80.8912	29.2917	9.71	0.6	1.8	0.431330913
20/01/2015	06:20:02	81.0075	29.4465	15.13	0.4	0.3	0.640319227
20/01/2015	06:21:56	81.0105	29.4387	15.52	0.4	0.5	1.58202467
20/01/2015	06:35:53	81.0148	29.436	13.97	0.8	0.7	1.604803465
20/01/2015	11:23:17	81.2393	29.4748	14.7	0.8	0.7	0.85517596
20/01/2015	11:45:06	81.1578	29.3682	18.25	1.5	2.1	1.031518702
20/01/2015	12:38:43	81.0365	29.5422	16.96	0.8	0.8	1.600429606
20/01/2015	16:58:27	81.1335	29.4668	13.3	0.7	0.5	0.276925705
20/01/2015	20:54:57	81.2038	29.3308	14.77	1.1	2	0.888727462
21/01/2015	01:43:24	80.8455	29.6702	15.05	1.2	1.1	1.296594574
21/01/2015	07:39:55	81.047	29.52	15.13	0.8	0.7	0.624915985
22/01/2015	03:42:34	81.0307	29.3408	14.12	0.5	1	3.994676812
22/01/2015	03:44:58	81.0273	29.346	10.63	0.9	2.1	2.650874141
22/01/2015	03:48:43	81.0268	29.3547	14.71	0.9	1.5	2.166745854
22/01/2015	03:51:40	81.0388	29.3218	7.09	0.7	1.7	0.862510657
22/01/2015	03:53:23	81.0185	29.3695	14.06	0.9	0.7	0.525676383
22/01/2015	04:00:19	81.0118	29.3742	16.29	1	1	1.350486623
22/01/2015	04:32:12	81.0213	29.3503	12.15	0.9	1.2	0.416816835
22/01/2015	04:34:35	81.0138	29.3513	12.31	1.9	2.1	0.726598646
22/01/2015	04:46:02	81.013	29.3487	12.63	2.9	3.6	0.725764427
22/01/2015	04:52:25	81.0055	29.368	14.44	0.7	0.7	0.625955811
22/01/2015	05:18:20	81.0273	29.3472	13.27	0.6	1	2.044188307
22/01/2015	05:35:16	81.0145	29.351	11.75	0.6	0.9	0.681656938
22/01/2015	05:49:13	81.0248	29.3472	11.78	2.4	3.9	0.455519406
22/01/2015	06:42:29	81.0265	29.3497	12.7	1.1	1.8	1.157532519
22/01/2015	07:02:51	81.0198	29.3525	13.76	0.9	0.9	0.835835352
22/01/2015	07:14:45	81.0405	29.3032	5	0.5	3	0.999240386
22/01/2015	07:19:09	81.019	29.3475	11.91	1.8	2.1	0.876399509
22/01/2015	07:53:20	81.3043	29.5408	18.55	1.7	1.1	0.901699824

22/01/2015	08:28:49	81.0298	29.3402	10.43	0.9	2.2	1.385538948
22/01/2015	08:53:41	81.016	29.3385	11.9	0.5	1	0.746235842
22/01/2015	10:44:21	81.0145	29.392	16.42	2.7	1.7	0.671387171
22/01/2015	12:18:12	81.0138	29.4388	14.21	0.9	0.9	0.969019588
22/01/2015	12:58:41	81.274	29.5905	13.95	0.6	0.4	0.526478234
22/01/2015	13:09:39	81.0263	29.3405	11.25	0.9	1.8	0.785737038
22/01/2015	13:20:54	81.0157	29.3455	12.07	0.7	1.4	0.755133025
22/01/2015	14:38:30	81.0138	29.343	13.71	0.5	1	1.832078929
22/01/2015	14:42:56	81.0152	29.3388	10.7	0.5	1	0.810632633
22/01/2015	15:05:31	81.0687	29.5032	14.96	1	0.6	0.477364237
22/01/2015	15:25:28	81.0263	29.3318	7.64	0.7	2.2	0.945261094
22/01/2015	16:03:58	81.0272	29.3328	11.02	1.1	2.2	0.79196645
22/01/2015	16:45:49	81.0187	29.3375	11.91	0.8	1.7	0.884420744
22/01/2015	17:15:26	81.0287	29.345	13.42	0.6	1.3	1.163072634
22/01/2015	18:22:45	81.0167	29.348	14.37	0.5	0.8	1.072979082
22/01/2015	18:30:24	81.0302	29.3273	10.46	0.8	2.2	2.177813788
22/01/2015	18:37:43	81.0177	29.3463	14.79	0.9	1.4	0.756423369
22/01/2015	19:24:13	81.394	29.6877	10.27	1.7	2.1	0.741339362
22/01/2015	19:45:19	81.0237	29.3365	13.69	0.7	1.4	2.252001392
22/01/2015	19:58:44	81.022	29.3322	10.49	0.9	1.5	0.570115396
22/01/2015	20:12:26	81.0262	29.3387	12.6	0.9	1.7	0.951500504
22/01/2015	20:20:26	81.027	29.329	10.47	0.9	2.2	0.890346604
22/01/2015	20:23:05	81.0695	29.5083	14.11	0.7	0.5	0.180312023
22/01/2015	21:18:55	81.0163	29.331	11.99	0.5	1	0.876422605
22/01/2015	22:13:35	81.0152	29.3388	12	0.6	1.4	1.12147144
22/01/2015	22:23:08	81.0212	29.3342	10.63	0.7	1.7	1.917680141
22/01/2015	22:25:27	81.0142	29.3442	12.17	0.6	1.2	0.820873097
22/01/2015	22:28:12	81.0097	29.3405	12.3	0.7	1.3	0.662766304
22/01/2015	22:29:47	81.0127	29.3443	11.53	0.5	0.8	0.555705328
22/01/2015	22:34:21	81.0217	29.3468	14.12	0.5	0.9	1.09590792
22/01/2015	22:57:53	81.0265	29.3368	13.05	0.8	1.6	1.273218083
22/01/2015	22:59:06	81.0222	29.3398	11.56	0.8	1.3	0.71927924
22/01/2015	23:44:54	81.0152	29.3565	14.71	0.8	1	0.562742552
22/01/2015	23:52:38	81.0025	29.4723	11.99	0.4	0.5	1.051202353
23/01/2015	00:40:44	81.0297	29.3237	12.13	0.9	2.1	2.370667016
23/01/2015	01:23:46	81.027	29.336	13.28	0.7	1.5	2.105058359
23/01/2015	01:29:13	81.0305	29.4705	12.2	1	0.9	0.382562041
23/01/2015	01:32:21	81.0265	29.3487	14.69	0.7	1.3	1.770339647
23/01/2015	01:47:18	81.0155	29.3495	13.29	0.7	1.2	1.743322493
23/01/2015	01:47:50	81.0215	29.3457	14.91	0.5	0.9	1.848573246
23/01/2015	02:17:42	81.0165	29.3337	12.64	1.6	2.3	0.789345392
23/01/2015	03:51:30	81.0353	29.309	5	1.6	9.6	1.221034792
23/01/2015	04:05:03	81.0713	29.5227	13.59	0.7	0.2	0.798577299
23/01/2015	05:20:55	80.8688	29.5985	18.02	5.3	3.6	1.501427958
23/01/2015	06:37:50	81.0218	29.3552	12.18	3	4.9	0.31766471

23/01/2015	07:37:34	81.0187	29.3362	13.49	0.6	1.1	1.448513175
23/01/2015	07:44:01	81.0255	29.3308	10.86	0.9	2	1.583731974
23/01/2015	09:13:16	81.0252	29.3347	10.55	0.7	1.8	1.283052559
23/01/2015	09:16:34	81.0423	29.3092	5	0.9	6.1	2.153806424
23/01/2015	09:19:27	81.023	29.3488	12.57	1	1.8	0.96282
23/01/2015	09:29:36	81.0057	29.3395	13.51	0.6	1.1	1.990437657
23/01/2015	09:40:14	81.0183	29.3567	15.05	1.5	1.9	0.61060808
23/01/2015	09:52:39	81.0195	29.3547	14.9	0.9	1.4	0.968846079
23/01/2015	09:55:36	81.0057	29.344	12.92	0.7	1.4	1.320867251
23/01/2015	10:11:14	81.0342	29.3293	10.95	1.1	2.8	1.943227136
23/01/2015	11:23:42	81.0362	29.3107	5	1.4	8.4	1.152937643
23/01/2015	11:29:36	80.8153	29.5985	11.24	5	3.2	1.419645868
23/01/2015	13:19:03	81.1808	29.3532	17.03	1.3	1.9	0.745952692
23/01/2015	13:38:52	81.1643	29.358	15.02	1.2	1.5	0.474979005
23/01/2015	14:36:44	81.006	29.3437	11.78	0.7	1.2	0.560881217
23/01/2015	14:40:10	81.0045	29.3593	13.54	1.3	2	0.567676733
23/01/2015	15:44:40	81.0097	29.3438	14.35	0.6	1.1	1.596034567
23/01/2015	16:06:13	81.0155	29.336	10.02	0.7	1.3	0.565717877
23/01/2015	16:26:01	81.007	29.3447	11.72	0.9	1.5	0.708664078
23/01/2015	16:46:44	81.02	29.3567	13.4	0.7	0.9	0.433370581
23/01/2015	16:59:43	81.1792	29.3537	16.86	1	1.8	0.568759493
23/01/2015	17:03:43	81.0127	29.345	14.63	0.5	0.9	1.784378866
23/01/2015	18:37:22	81.0288	29.3463	13.39	0.6	1.1	1.493179838
23/01/2015	19:18:37	81.0225	29.3425	12.01	0.8	1.2	0.402722644
23/01/2015	23:37:22	81.0243	29.3328	12.49	0.7	1.4	1.27211772
23/01/2015	23:52:29	81.027	29.348	12.74	0.6	0.8	0.541566988
24/01/2015	00:53:04	81.0298	29.3233	10.61	0.6	1.6	2.85772616
24/01/2015	00:55:56	81.0198	29.3348	11.03	0.7	1.4	1.185079355
24/01/2015	01:24:21	81.2612	29.4417	12.99	2	2.3	0.893304135
24/01/2015	01:27:16	81.0235	29.3395	12.9	0.8	1.7	1.017784182
24/01/2015	02:32:10	81.0188	29.3567	15.2	1.2	1.3	0.853369285
24/01/2015	05:01:21	81.0145	29.3625	15.31	0.4	0.5	0.868649007
24/01/2015	05:43:53	81.0257	29.3507	12.46	3.6	4.6	0.358471109
24/01/2015	05:55:18	81.0285	29.3363	13.29	0.6	1.1	3.164135299
24/01/2015	06:01:11	81.0305	29.3375	9.9	3	6.3	0.540269772
24/01/2015	08:28:36	81.0242	29.3425	10.44	1.3	2.9	1.152899388
24/01/2015	11:00:20	81.0248	29.3263	10.68	0.9	2.2	1.46422737
24/01/2015	13:35:43	81.0192	29.3382	10.75	0.6	1.4	0.961500012
24/01/2015	15:13:50	81.0235	29.341	12.06	0.6	1.2	0.829538281
24/01/2015	15:30:07	81.028	29.3175	5.97	0.9	2.7	0.611540991
24/01/2015	15:36:58	81.0713	29.5032	14.25	0.9	0.6	0.346563284
24/01/2015	15:46:31	81.0705	29.5082	14	0.7	0.5	0.401065767
24/01/2015	16:10:23	81.0243	29.3398	11.5	0.7	1.5	0.579978168
24/01/2015	17:01:34	81.0183	29.3433	12.29	0.6	1.2	1.095848481
24/01/2015	17:51:53	81.034	29.3277	10.63	0.8	2	0.95162089

24/01/2015	17:56:40	81.024	29.3735	15.44	1.5	1.7	0.533136752
24/01/2015	18:00:43	81.0217	29.3562	13.2	2.3	2.5	0.161308937
24/01/2015	18:23:30	81.0207	29.356	14.09	0.7	0.9	0.566061145
24/01/2015	19:23:40	81.0328	29.3375	10.9	0.8	1.8	1.327050604
24/01/2015	19:38:49	81.0273	29.3387	12.43	0.6	1.1	0.908364166
24/01/2015	20:11:56	81.0515	29.538	13.54	1.6	1.9	0.930925315
24/01/2015	21:17:33	81.0277	29.344	13.71	0.6	1	1.336178001
24/01/2015	21:27:07	81.0278	29.339	12.26	0.6	1.2	0.947199198
24/01/2015	21:29:03	81.0238	29.3475	14.54	0.6	1	2.367702808
24/01/2015	21:36:51	81.0323	29.3383	10.63	1.1	2.4	0.940337995
24/01/2015	21:37:57	81.046	29.5325	15.38	1	1.2	0.513971174
24/01/2015	21:51:24	81.0237	29.3388	15.17	0.9	1.5	1.910848888
24/01/2015	21:54:08	81.0278	29.3283	10.72	0.7	1.6	1.070774107
24/01/2015	22:14:49	81.021	29.3475	14.74	0.6	1.1	1.607342637
24/01/2015	22:27:38	80.975	29.4883	10.83	0.8	0.8	0.12847271
24/01/2015	22:45:04	81.0458	29.5232	14.59	0.4	0.4	0.26004094
24/01/2015	23:14:50	81.018	29.34	11.26	1	1.7	0.485990647
24/01/2015	23:49:26	81.0335	29.3262	11.31	0.9	2.2	2.052995061
25/01/2015	00:02:08	81.01	29.355	14.35	1.4	1.7	0.486599586
25/01/2015	00:04:00	81.0223	29.3362	13.48	0.8	1.4	1.392304451
25/01/2015	00:10:20	81.0285	29.3297	10.9	0.7	1.5	1.26840774
25/01/2015	00:32:31	81.0488	29.526	15.3	0.4	0.4	0.777800572
25/01/2015	00:37:13	81.0508	29.5153	14.64	0.8	0.7	0.176217269
25/01/2015	00:39:40	81.075	29.508	15.35	0.6	0.4	0.994234388
25/01/2015	02:06:23	81.0093	29.3612	14.85	1.3	1.6	0.649869009
25/01/2015	02:20:14	81.011	29.3462	13.99	0.7	1.2	1.315582976
25/01/2015	02:21:55	81.0057	29.3518	13.84	1	1.4	0.695157302
25/01/2015	02:27:13	81.0222	29.329	14.97	0.5	1.1	2.926188063
25/01/2015	02:31:10	81.0208	29.3338	12.36	0.6	1.4	1.770189324
25/01/2015	02:32:17	81.0132	29.3437	14.54	0.6	1.2	1.568732055
25/01/2015	02:56:46	81.0207	29.3255	10.82	0.6	1.9	1.813510024
25/01/2015	02:57:58	81.0197	29.3568	15.5	1	1.4	1.224891518
25/01/2015	03:37:23	81.0192	29.3427	13.87	0.8	1.4	1.373028813
25/01/2015	03:43:32	81.0133	29.3578	14.2	3.7	4.2	0.263967338
25/01/2015	04:10:45	81.0168	29.3345	14.62	0.5	0.9	2.011978392
25/01/2015	05:47:11	81.0145	29.3662	16.03	2.1	2.3	0.571090636
25/01/2015	06:39:59	81.0212	29.3378	13.05	0.9	1.8	1.0383991
25/01/2015	06:49:13	81.0242	29.3303	10.82	0.7	1.7	1.828086965
25/01/2015	07:00:47	81.0308	29.3233	11.43	0.9	2.5	2.61097962
25/01/2015	07:05:50	81.0205	29.3428	12.93	0.7	1.3	0.89354667
25/01/2015	07:20:11	81.0282	29.3382	10.51	0.9	2.4	1.109916732
25/01/2015	07:42:28	81.0308	29.334	10.88	0.7	1.6	1.63923446
25/01/2015	07:55:51	81.0248	29.3425	14.1	0.7	1.2	1.671678625
25/01/2015	08:03:24	81.0343	29.3338	11.42	1.5	3	1.289274979
25/01/2015	08:26:01	81.024	29.33	10.68	0.8	2.2	1.580498005

25/01/2015	08:48:56	81.0293	29.3382	13.69	0.7	1.4	1.468346759
25/01/2015	08:57:13	81.0193	29.3402	12.04	1	1.6	0.748274608
25/01/2015	09:29:17	80.9595	29.6798	11.54	0.7	0.9	1.678908642
25/01/2015	09:42:00	81.0115	29.3903	16.83	1.6	1.2	0.506658505
25/01/2015	09:46:18	81.019	29.3435	14.06	0.6	1	1.624532556
25/01/2015	10:22:46	81.0288	29.3182	11.04	1.2	3.6	2.247989232
25/01/2015	11:49:48	81.0183	29.3502	15.33	0.8	1.3	1.075851735
25/01/2015	12:57:51	81.0235	29.3423	14.01	0.7	1.3	2.417283633
25/01/2015	13:01:35	81.0213	29.343	12.73	0.9	1.9	1.001140646
25/01/2015	13:23:33	81.0303	29.3452	13.96	1	2	0.830400696
25/01/2015	13:26:45	81.0258	29.3458	14.36	0.9	1.6	1.521855683
25/01/2015	14:23:10	81.0222	29.3387	13.56	0.6	1.2	2.857029862
25/01/2015	14:32:35	81.0203	29.3322	10.95	0.7	1.6	0.595540962
25/01/2015	14:35:44	81.0218	29.3398	12.3	0.9	1.3	0.584564398
25/01/2015	14:53:35	81.0197	29.3392	13.84	0.7	1.5	1.039222124
25/01/2015	15:09:03	81.0268	29.3297	11.08	0.8	2	2.234901908
25/01/2015	15:19:02	81.0255	29.3497	13.74	0.8	1.3	0.876083771
25/01/2015	15:21:05	81.0238	29.337	13.75	0.5	1	1.568376817
25/01/2015	15:25:16	81.0332	29.3388	11.75	3.1	4.9	0.263515059
25/01/2015	15:36:13	81.0402	29.3265	11.07	0.8	2.1	1.486788192
25/01/2015	15:38:05	81.0235	29.3253	10.81	0.6	1.8	1.708191782
25/01/2015	15:50:03	81.0278	29.3468	12.47	1.2	1.5	0.279229307
25/01/2015	16:31:36	81.0477	29.522	15.15	0.4	0.4	0.767324304
25/01/2015	16:49:39	81.0207	29.3443	12.56	0.8	1.6	0.698645125
25/01/2015	16:59:59	81.0182	29.347	12.65	1	2	0.869673681
25/01/2015	18:37:34	81.0227	29.3587	14.03	1	1.6	1.03176064
25/01/2015	19:56:20	81.036	29.3265	11.18	0.8	2.1	1.571443766
25/01/2015	20:17:38	81.018	29.3458	16.18	0.6	1	2.298654019
25/01/2015	22:11:58	81.0155	29.3702	15.36	0.7	0.5	0.579988663
25/01/2015	22:25:52	80.8688	29.5985	5	9.2	8.6	1.364245034
25/01/2015	23:28:07	81.0243	29.3612	14.06	0.8	0.9	0.47528774
26/01/2015	02:11:30	81.0187	29.3358	14.42	0.4	0.9	2.039251665
26/01/2015	02:13:28	81.0163	29.3585	14.08	1	1.4	0.852485961
26/01/2015	02:22:25	81.0252	29.3132	7.42	0.7	2.9	0.978861443
26/01/2015	02:31:25	81.0228	29.326	14.01	0.6	1.2	2.931452652
26/01/2015	02:44:52	81.0172	29.3412	15.18	0.7	1.1	1.489948127
26/01/2015	03:01:55	81.0198	29.3337	12.95	0.7	1.6	1.343205409
26/01/2015	03:18:04	81.0167	29.3375	12.98	0.6	1.3	1.092726177
26/01/2015	04:13:19	81.031	29.3325	11.21	0.7	1.6	2.705023064
26/01/2015	04:20:18	81.0252	29.3393	14.06	0.5	0.9	2.291761218
26/01/2015	04:22:53	81.0245	29.3475	12.4	0.7	1.1	0.736721644
26/01/2015	04:35:23	81.028	29.3467	14.11	0.9	1.6	1.211082678
26/01/2015	04:38:17	81.0197	29.34	12.6	0.9	1.4	0.91238634
26/01/2015	04:48:17	81.0242	29.3407	12.83	1	1.9	0.868964098
26/01/2015	05:12:09	81.0167	29.3735	15	0.8	0.9	0.764495868

26/01/2015	05:20:32	81.2027	29.434	12.72	1.5	2.1	1.055310849
26/01/2015	06:06:07	80.9517	29.4642	9.73	0	0	0.145327324
26/01/2015	06:09:22	81.0198	29.3405	15.28	0.7	1.3	2.528753228
26/01/2015	06:12:40	81.0058	29.383	17.57	3	2.1	0.610824198
26/01/2015	06:24:29	81.0288	29.3398	12.84	0.6	1.2	2.133433365
26/01/2015	07:10:31	81.0125	29.3543	14.54	1.5	1.8	0.667454543
26/01/2015	07:14:22	81.014	29.3367	11.49	0.8	1.4	0.862811575
26/01/2015	07:28:17	81.0332	29.3235	11.05	1	2.6	2.67043019
26/01/2015	07:49:53	81.0268	29.3223	11.45	1.2	3.2	2.433650338
26/01/2015	07:51:38	81.0213	29.3382	13.4	0.6	1.3	1.830185797
26/01/2015	07:59:04	80.9443	29.6477	5	5.5	22.4	0.180878178
26/01/2015	08:03:24	81.0177	29.3477	13.3	0.9	1.2	0.719394719
26/01/2015	08:08:44	81.0222	29.3587	14.16	0.9	1.4	1.235790785
26/01/2015	08:10:18	81.022	29.3002	5	0.9	5.3	1.009838582
26/01/2015	08:13:14	81.0237	29.3318	11.31	0.7	1.5	1.019853021
26/01/2015	08:23:04	81.0267	29.3052	5	2.1	12.6	0.89461021
26/01/2015	08:35:32	81.0265	29.339	10.87	1.1	2.5	1.457536694
26/01/2015	08:44:58	81.0083	29.3537	15.69	1.1	1.7	0.92338487
26/01/2015	08:49:29	81.0187	29.3533	15.03	0.6	1	1.122441612
26/01/2015	09:58:06	81.0217	29.3263	10.49	0.9	2.3	1.359943687
26/01/2015	10:36:43	81.0127	29.3792	15.24	2.1	1.7	0.480746123
26/01/2015	11:07:46	81.0267	29.3243	12.59	0.7	1.7	3.4079289
26/01/2015	11:13:06	81.0212	29.3522	13.89	0.9	1.2	0.879226417
26/01/2015	11:14:33	81.0138	29.3372	13.67	0.5	1.1	1.671941903
26/01/2015	11:17:09	81.0148	29.3467	15.84	0.6	1	1.531351245
26/01/2015	11:18:57	81.0165	29.3468	13.46	0.6	1.1	0.957032453
26/01/2015	11:33:16	81.0203	29.3258	10.93	0.8	2.1	1.941623729
26/01/2015	11:34:18	81.0117	29.3455	15.09	0.6	1.1	1.859987585
26/01/2015	11:39:31	81.0202	29.3292	10.55	1.1	2.7	1.851955526
26/01/2015	11:41:57	81.0265	29.3235	10.83	1.1	2.9	1.86891298
26/01/2015	12:04:40	81.0158	29.3777	16.1	1.1	0.9	0.631981624
26/01/2015	12:12:14	81.0212	29.3465	14.29	0.7	1.2	1.000626291
26/01/2015	12:21:23	81.0262	29.3378	12.66	0.7	1.6	1.810493525
26/01/2015	12:30:16	81.0653	29.5032	14.99	1.2	0.9	0.520256637
26/01/2015	12:35:28	81.0193	29.3405	13.7	0.8	1.5	0.991831609
26/01/2015	12:39:58	81.0178	29.3327	14.07	0.6	1.1	2.329962906
26/01/2015	12:46:51	81.0713	29.5132	14.15	1.1	0.9	0.255609429
26/01/2015	12:53:36	81.0232	29.3393	13.03	1	1.7	1.137402491
26/01/2015	13:05:09	81.0165	29.3402	14.8	0.9	1.8	1.738986472
26/01/2015	13:18:54	81.0717	29.5015	14.7	0.6	0.5	0.798041369
26/01/2015	13:20:53	81.0052	29.3342	12.99	1.9	3.7	1.149881704
26/01/2015	13:22:54	81.018	29.3418	11.86	1.2	1.8	0.665376236
26/01/2015	13:29:00	81.0115	29.343	14.58	0.6	1	0.729927975
26/01/2015	13:36:24	81.0253	29.3268	11.44	1	2.3	1.838767385
26/01/2015	13:51:02	81.0242	29.3415	13.43	0.7	1.4	1.697692541

26/01/2015	13:59:34	81.0197	29.3445	12.34	0.8	1.5	1.173323177
26/01/2015	14:19:09	81.0197	29.3435	11.58	0.8	1.5	0.649297704
26/01/2015	14:35:17	81.0203	29.3375	12.61	0.6	1.3	1.211987941
26/01/2015	15:53:23	81.0265	29.329	11.97	0.6	1.5	2.320456113
26/01/2015	17:23:01	81.032	29.3355	12.51	1	2.4	0.867738258
26/01/2015	17:28:29	81.0285	29.33	12.93	0.5	1.3	2.180383528
26/01/2015	17:31:24	81.032	29.3303	11.38	0.9	2.1	0.978716826
26/01/2015	17:40:56	81.0325	29.3347	11.52	1	2.1	0.863490084
26/01/2015	17:49:11	81.0298	29.3277	10.96	0.7	2	1.744409004
26/01/2015	17:50:50	81.027	29.3345	10.78	0.8	2.1	1.590607985
26/01/2015	18:18:57	81.0323	29.3348	11.61	0.8	1.7	1.333015758
26/01/2015	19:04:19	81.0302	29.3335	10.92	0.8	2	1.290749036
26/01/2015	19:07:59	81.0197	29.3322	13.82	0.7	1.4	0.99588678
26/01/2015	20:07:21	81.0318	29.3297	11.03	0.7	1.8	1.746507562
26/01/2015	20:09:25	81.0145	29.3533	12.71	0.8	1.1	0.59603816
26/01/2015	20:15:08	81.161	29.6557	10.19	0.9	0.7	0.883103521
26/01/2015	20:25:24	81.1443	29.4558	11.96	0.7	0.7	0.392699798
26/01/2015	20:38:46	81.0318	29.3282	10.84	1.2	2.7	0.617985248
26/01/2015	20:46:21	81.0248	29.3448	14.95	0.8	1.4	1.656920307
26/01/2015	21:01:19	81.0193	29.3382	12.87	0.9	1.6	0.734315809
26/01/2015	21:21:18	81.028	29.3248	10.54	0.8	2.2	1.94233498
26/01/2015	22:10:49	81.0215	29.3513	12.63	1.2	2.1	0.593048483
26/01/2015	22:30:52	81.0293	29.3313	10.83	0.6	1.8	1.432940587
26/01/2015	22:46:58	81.0217	29.3425	12.84	0.8	1.7	1.003031664
27/01/2015	00:15:21	80.8963	29.6473	11.62	9.6	17.9	0.325938182
27/01/2015	00:33:46	81.0322	29.3253	10.95	0.8	2.2	1.483217172
27/01/2015	01:04:00	81.0268	29.3448	10.7	0.9	2.1	1.25876105
27/01/2015	01:22:14	81.0285	29.3315	10.8	0.7	1.7	1.373091929
27/01/2015	02:30:32	81.007	29.347	12.27	0.9	1.6	0.758958279
27/01/2015	02:37:11	81.0092	29.3845	17.77	1.3	1.5	0.751028235
27/01/2015	02:44:06	81.025	29.34	12.56	1	1.8	0.996589505
27/01/2015	03:15:09	81.0143	29.3568	14.65	0.5	0.7	0.795213077
27/01/2015	03:35:11	81.0202	29.3725	15.83	2.4	2.5	0.5596129
27/01/2015	03:45:08	81.0212	29.316	10.82	1.1	2.5	0.84949362
27/01/2015	04:31:02	81.0283	29.334	13.8	0.6	1.4	2.137517516
27/01/2015	04:37:46	81.0357	29.3335	10.75	1.1	2.7	1.108145324
27/01/2015	04:45:44	81.0308	29.5635	17.82	1.1	0.9	0.50823059
27/01/2015	07:06:21	81.0228	29.3403	13.75	0.8	1.5	1.438102374
27/01/2015	07:19:57	81.0128	29.3393	14.42	0.4	0.8	2.565000755
27/01/2015	07:29:18	81.0095	29.3487	11.65	2.5	3.8	0.691223911
27/01/2015	07:59:35	81.0258	29.3325	11.1	0.6	1.6	1.472613692
27/01/2015	10:09:49	81.0317	29.3088	5	1.1	7.2	1.650904652
27/01/2015	12:27:16	81.1465	29.4463	15.76	1.5	1.3	0.934428436
27/01/2015	13:21:54	81.0177	29.4258	15.04	0.5	0.7	1.692808011
27/01/2015	13:24:13	81.016	29.4202	13.15	1	1.4	0.376410297

27/01/2015	14:15:59	81.016	29.3405	12.82	0.6	1.1	0.970309086
27/01/2015	15:16:39	81.0347	29.3217	10.37	0.8	2.3	3.2154948
27/01/2015	15:47:50	81.0225	29.3493	14.76	0.8	1.3	1.002488127
27/01/2015	16:27:13	81.037	29.3227	11	1.1	3.4	1.84087799
27/01/2015	17:21:27	81.0343	29.3375	13.59	0.7	1.4	1.765856607
27/01/2015	17:29:26	81.0348	29.3288	9.9	0.6	2.1	1.627619031
27/01/2015	17:45:32	81.0243	29.3338	10.91	0.8	2	0.727093548
27/01/2015	17:48:57	81.0263	29.3525	12.57	0.9	1.1	0.564536822
27/01/2015	18:59:28	81.0262	29.3275	11.44	1.1	2	0.635494938
27/01/2015	23:11:19	81.033	29.3373	10.74	1.4	2.3	0.638581267
27/01/2015	23:30:54	81.0235	29.344	12.95	1	1.9	0.744764117
28/01/2015	00:45:45	81.0282	29.3468	13.32	0.8	1.5	1.030916696
28/01/2015	04:23:22	81.0293	29.326	10.88	0.8	2.2	1.634496673
28/01/2015	04:56:59	81.0255	29.3108	5	0.9	5.3	1.117235978
28/01/2015	05:14:10	81.0263	29.3322	12.67	0.7	1.6	2.532456488
28/01/2015	06:51:05	81.0185	29.334	10.38	1.2	3	1.041916843
28/01/2015	09:13:47	81.0222	29.3272	11.11	0.7	1.6	1.634267356
28/01/2015	09:25:33	81.0302	29.337	10.85	0.7	1.8	1.26884411
28/01/2015	11:24:11	81.0217	29.3408	13.53	0.7	1.4	1.571297669
28/01/2015	13:40:37	81.022	29.335	10.81	0.8	2	1.511128398
28/01/2015	14:11:41	81.019	29.3327	13.74	0.5	1.4	1.548294356
28/01/2015	14:38:31	81.0305	29.3237	11.01	0.6	1.8	2.508698659
28/01/2015	14:44:45	81.0215	29.3375	13.35	0.5	1	1.595780584
28/01/2015	14:52:27	81.0302	29.3245	10.35	0.9	2.4	2.176921353
28/01/2015	15:01:59	81.0195	29.3465	14.8	0.7	1.2	0.682555819
28/01/2015	15:22:11	81.0118	29.362	16.08	0.5	0.6	0.759649444
28/01/2015	16:15:54	81.031	29.338	9.27	1.6	2.7	0.610853959
28/01/2015	16:26:04	81.0388	29.3242	2.63	2.2	15.4	0.590620783
28/01/2015	17:41:38	81.0157	29.3523	13.37	0.6	1.1	1.207320326
28/01/2015	19:07:36	81.0213	29.3182	11.12	1.5	4	0.944817829
28/01/2015	19:40:22	81.0242	29.3065	10.47	1.9	3.2	0.746617743
28/01/2015	21:38:10	81.0095	29.2978	6.45	2.5	14.3	0.748578732
28/01/2015	22:00:47	81.0317	29.3162	12.52	0.9	2.3	2.827335396
28/01/2015	22:05:21	81.0258	29.3362	14.88	0.6	1.2	2.165410689
28/01/2015	22:06:07	81.0238	29.3387	15.1	0.6	1.1	2.320515461
28/01/2015	22:12:38	81.0297	29.346	10.54	1.9	2.8	0.578360693
28/01/2015	22:13:26	81.0247	29.3357	13.86	0.6	1.3	1.771205078
28/01/2015	22:14:34	81.0302	29.3173	10.65	0.7	2.2	2.038887969
28/01/2015	22:16:26	81.0273	29.3247	11.01	0.7	1.8	1.981850971
28/01/2015	22:29:03	81.0327	29.3182	11.02	1.3	3.9	1.187112929
28/01/2015	22:30:09	81.021	29.3487	15.34	0.6	1	1.903642715
28/01/2015	22:36:22	81.0155	29.3463	15.38	0.6	1	1.736026998
28/01/2015	22:39:10	81.032	29.3372	10.85	0.8	1.8	1.293339611
28/01/2015	23:03:34	81.0205	29.3495	15.33	0.5	0.8	1.427860303
28/01/2015	23:16:47	81.0253	29.3315	12.65	0.7	1.6	1.905413855

28/01/2015	23:48:40	81.029	29.3248	12.85	0.7	1.6	2.562723963
29/01/2015	00:01:35	81.0273	29.32	10.89	0.6	2	2.178608033
29/01/2015	00:14:21	81.0122	29.333	13.26	1.1	1.8	0.631987886
29/01/2015	00:51:25	81.0248	29.3307	12.85	0.7	1.4	1.40492646
29/01/2015	01:00:31	81.0078	29.3797	17.89	2.2	1.6	0.254005374
29/01/2015	01:24:49	81.019	29.3167	10.78	0.6	1.5	1.18318517
29/01/2015	01:37:36	81.0272	29.329	10.67	1	2.6	1.311636155
29/01/2015	01:40:26	81.0287	29.3242	11.33	0.7	1.8	1.985512192
29/01/2015	01:44:22	81.011	29.3577	16.77	0.6	0.9	1.53710956
29/01/2015	03:40:40	81.0205	29.335	11.88	0.7	1.6	1.461795686
29/01/2015	09:51:54	81.0172	29.3502	12.99	0.9	1.7	0.973977712
29/01/2015	10:07:31	81.027	29.3327	10.63	0.8	1.9	1.3674508
29/01/2015	14:18:41	81.0148	29.3573	13.25	1.6	2.6	0.849072743
29/01/2015	15:25:00	81.0365	29.339	11.03	0.7	1.3	0.703082688
29/01/2015	16:28:38	81.0227	29.3458	11.07	0.9	1.3	0.345707251
29/01/2015	17:17:22	81.015	29.3422	11.65	0.6	1.3	1.017212161
29/01/2015	18:10:22	81.0085	29.3795	16.33	0.7	0.5	0.227070366
29/01/2015	18:52:06	81.0277	29.342	12.24	0.8	1.8	0.971759879
29/01/2015	22:23:51	81.0127	29.337	12.86	0.6	1.2	1.140323469
29/01/2015	23:40:31	81.0185	29.3413	13.33	0.8	1.4	0.768332471
30/01/2015	00:11:02	81.0233	29.3402	12.79	0.7	1.2	1.145355357
30/01/2015	01:31:07	81.0228	29.3085	11.98	1.2	3.2	0.970884204
30/01/2015	01:54:34	81.0268	29.3397	12.18	0.8	1.7	1.783479573
30/01/2015	03:39:07	81.07	29.5082	14.57	0.7	0.6	0.17245524
30/01/2015	07:18:04	81.0122	29.3503	15.1	0.9	1.5	0.839734554
30/01/2015	08:18:02	81.0212	29.33	9.8	0.7	1.8	1.486594848
31/01/2015	00:30:58	81.0255	29.327	7.09	1.7	3.7	0.279737097
31/01/2015	01:07:29	81.0243	29.3733	15.31	0.6	0.6	0.434861957
31/01/2015	05:53:21	81.2912	29.3945	14.45	1.2	1.6	0.954387703
31/01/2015	06:49:50	81.0442	29.5385	14.32	1.1	0.6	0.682100677
31/01/2015	09:22:46	81.014	29.3705	15.97	0.8	0.9	0.670431183
31/01/2015	12:22:00	81.0562	29.5075	15.77	0.7	0.6	1.547422089
31/01/2015	19:52:07	81.0743	29.5032	14.96	0.9	0.8	0.515171389
31/01/2015	20:38:21	81.0827	29.4878	14.56	1.5	1.6	0.370683749
31/01/2015	20:42:32	81.0692	29.5032	14.37	0.5	0.4	0.128466437
31/01/2015	23:44:42	81.0465	29.5115	14.4	0.6	0.4	0.029762735
01/02/2015	00:28:57	81.0498	29.515	15.17	0.5	0.5	1.090957928
01/02/2015	01:56:28	81.3212	29.584	19.4	1.3	1.1	0.839951971
01/02/2015	05:14:05	81.2342	29.5475	15.37	1.3	1.4	0.961433701
01/02/2015	07:15:40	81.0158	29.3328	11.61	0.7	1.7	1.416760181
01/02/2015	12:53:09	81.213	29.4815	15.18	1.5	1.5	0.606161921
01/02/2015	17:09:36	81.024	29.3383	13.04	0.6	1.3	1.081485029
01/02/2015	17:17:35	81.2935	29.3913	16.43	0.8	1	2.354764006
01/02/2015	18:15:45	81.2935	29.3907	14.55	0.5	1	0.677234744
01/02/2015	18:18:34	81.2927	29.3927	14.41	0.8	1.3	0.62383813

01/02/2015	20:06:40	81.0373	29.333	11.51	0.8	2	0.959073447
01/02/2015	21:35:00	81.0682	29.5142	13.93	0.8	0.7	0.23283957
02/02/2015	01:47:19	81.2672	29.4038	16.44	0.9	1	0.402971751
02/02/2015	04:51:03	81.0345	29.3242	11.16	1	2.5	1.772774185
02/02/2015	06:37:26	81.0215	29.3427	11.14	0.7	1.2	0.470567451
02/02/2015	15:31:21	80.7227	29.4032	15.78	1.3	2	0.77669893
02/02/2015	16:45:30	81.3248	29.4353	16.31	0.8	1.1	0.853773084
02/02/2015	16:46:19	81.2685	29.498	15.51	2.1	1.8	0.381322405
02/02/2015	17:19:04	81.3223	29.4258	16.69	0.9	1.1	0.75172352
02/02/2015	22:19:24	81.2477	29.4595	16.76	0.9	1.2	0.975425835
03/02/2015	01:01:27	81.0262	29.3227	10.75	1.7	2.8	1.072505968
03/02/2015	05:31:42	81.0368	29.3248	11.71	0.6	0.9	1.938683137
03/02/2015	07:46:42	81.0535	29.5032	14.67	0.8	0.4	0.621548388
03/02/2015	09:15:36	81.02	29.3523	15.03	0.8	1.3	1.274268372
03/02/2015	17:41:29	81.359	29.5362	14.57	0.9	1	0.318281474
03/02/2015	19:43:37	80.9863	29.5617	5	3.3	13	0.234306218
04/02/2015	00:24:30	81.037	29.357	12.19	1.7	2	0.600981459
04/02/2015	09:00:10	81.0295	29.329	10.59	0.8	2.4	1.381293259
04/02/2015	09:51:55	81.2502	29.4382	14.2	2.4	3.5	0.879350366
04/02/2015	13:03:15	81.3425	29.4045	9.88	2.9	5.8	0.825937871
04/02/2015	13:19:54	81.2973	29.4513	19.01	1.9	1.9	0.394724873
04/02/2015	14:00:55	80.9985	29.3847	19.16	1.4	1.8	0.434052761
04/02/2015	15:02:22	81.0127	29.3555	12.31	2.2	2.9	0.311839881
04/02/2015	18:07:46	81.0257	29.3435	13.59	0.7	1.4	1.692343718
04/02/2015	18:38:37	80.8688	29.5985	5	24	22.1	3.014344482
04/02/2015	19:30:24	80.9697	29.5877	9.31	0.6	1	0.146343927
04/02/2015	23:10:30	81.074	29.4985	15.77	0.7	0.7	1.496236333
04/02/2015	23:21:53	81.0722	29.5035	14.55	0.8	0.7	0.625407506
05/02/2015	02:46:25	81.073	29.51	15.2	0.7	0.8	0.407975142
05/02/2015	05:38:16	81.0217	29.3357	9.95	1	2.6	0.545571563
05/02/2015	07:47:19	81.0712	29.4872	13.93	1.6	1.4	0.70731213
05/02/2015	14:06:46	81.215	29.4662	16.14	1	0.9	0.607374445
05/02/2015	15:06:06	81.25	29.448	10.16	3.3	4.6	0.345802598
05/02/2015	16:52:16	80.9312	29.4962	11.91	0.7	0.8	0.425926302
05/02/2015	19:06:52	81.0747	29.5032	15.94	0.8	0.6	0.309627863
05/02/2015	22:54:29	81.0777	29.5032	15.34	1.1	0.8	1.27698642
05/02/2015	23:10:28	81.0123	29.3352	12.18	1.3	2.2	0.345521888
05/02/2015	23:56:50	81.0698	29.5103	14.88	0.9	0.6	0.141063522
06/02/2015	00:13:12	81.0145	29.345	12.71	0.6	1.3	0.854366185
06/02/2015	11:40:02	81.367	29.3927	8.31	1.1	1.9	0.777145231
06/02/2015	14:40:01	80.7993	29.68	16.74	1.3	1.3	0.859197072
06/02/2015	17:55:50	80.879	29.4295	12.06	1.6	1.4	0.413082676
06/02/2015	20:28:32	80.8562	29.4308	11.78	0.6	0.7	0.62453835
06/02/2015	20:34:06	81.0268	29.3363	10.54	0.6	1.6	0.92095648
06/02/2015	21:34:46	81.0265	29.3427	13.68	0.7	1.1	0.423036394

07/02/2015	20:29:38	81.1017	29.703	14.96	1.1	1.2	0.631773708
08/02/2015	07:59:38	81.0255	29.4048	10.39	1	1.2	0.825821445
08/02/2015	08:09:38	81.072	29.534	14.61	0.9	0.5	1.028905774
08/02/2015	09:31:52	81.0632	29.5293	14.59	1	0.4	1.168754393
08/02/2015	10:36:06	80.8815	29.5692	13.9	0.6	0.6	0.95998627
08/02/2015	12:05:57	80.9947	29.7278	15.64	2.1	2.3	1.017463094
08/02/2015	16:32:33	81.0333	29.4782	11.06	0.5	0.6	0.190050482
08/02/2015	17:12:09	81.0303	29.4863	11.64	0.8	0.8	0.155262995
08/02/2015	20:46:23	81.0283	29.331	11.59	0.8	1.8	2.409109518
08/02/2015	20:47:35	81.0297	29.3288	10.8	0.7	1.7	1.910535366
09/02/2015	08:48:46	81.0238	29.4908	10.03	1.2	1.2	0.459074838
09/02/2015	13:45:16	81.1667	29.391	10.11	1	1.5	0.65787516
09/02/2015	21:18:28	81.1035	29.4655	11.8	0.5	0.4	0.696466187
09/02/2015	22:30:16	81.3343	29.4448	17.24	0.9	0.9	1.00498888
09/02/2015	22:52:30	81.3328	29.4443	16.56	0.9	0.9	0.874125876
09/02/2015	23:00:39	81.0143	29.3485	13.17	0.5	1.1	1.130883717
10/02/2015	01:47:05	81.3305	29.4378	17.55	1.1	1.2	1.239842782
10/02/2015	13:16:53	81.0475	29.4643	10.48	0.9	1.2	0.733857286
10/02/2015	16:05:17	81.2452	29.4388	15.18	1.3	1.5	0.917048896
11/02/2015	00:49:18	81.2952	29.3942	14.57	1.2	1.4	0.64794749
11/02/2015	03:23:17	81.003	29.5227	8.68	0.8	0.6	0.391305211
11/02/2015	08:54:48	81.094	29.4803	13.06	0.8	0.6	0.528206351
11/02/2015	09:24:35	81.0612	29.5075	14.89	0.8	0.6	1.189637266
11/02/2015	09:36:30	81.0693	29.5032	15.53	0.7	0.5	1.563326715
11/02/2015	09:38:40	81.0655	29.5042	15.17	0.7	0.5	0.97076976
11/02/2015	13:10:51	81.0657	29.5043	14.45	0.7	0.5	0.516021191
11/02/2015	18:31:08	80.9348	29.5117	12.07	0.6	0.7	0.769509417
11/02/2015	20:48:05	81.2278	29.5695	15.84	0.5	0.4	0.651461971
12/02/2015	00:25:06	81.0865	29.5437	9.11	0.6	0.4	0.09354226
12/02/2015	02:39:30	81.0768	29.5055	14.82	0.5	0.4	0.713507133
12/02/2015	17:03:36	81.2108	29.554	12.95	0.7	0.8	0.671526298
12/02/2015	18:43:09	81.0673	29.5032	17.04	3.1	2	0.412855386
12/02/2015	19:10:43	81.0702	29.5032	16.48	0.8	0.6	0.956346173
12/02/2015	19:38:29	81.0733	29.5012	15.68	0.8	0.6	1.06362126
12/02/2015	20:44:44	81.0423	29.4697	12.29	0.7	0.9	1.481542232
12/02/2015	22:34:56	81.2473	29.4568	15.49	0.8	1.3	1.345053106
12/02/2015	23:30:20	81.1147	29.4495	10.61	0.9	0.7	0.501869067
13/02/2015	02:35:10	81.0865	29.5032	16.1	2.4	1.3	1.316613838
13/02/2015	05:22:00	81.1025	29.4678	11.86	0.5	0.3	0.638748665
13/02/2015	06:01:55	81.0997	29.469	11.55	0.5	0.5	0.945193775
13/02/2015	06:45:27	81.0292	29.331	9.59	1.1	2.7	0.921752152
13/02/2015	10:53:20	81.2453	29.4608	15.75	1.3	2	1.12104658
13/02/2015	10:57:21	80.9728	29.3685	10.27	0.6	1.2	0.645233853
13/02/2015	14:52:15	81.0313	29.33	10.77	0.8	2.2	1.26443664
13/02/2015	16:39:59	81.2495	29.4648	16.46	1.1	1.7	1.160380008

13/02/2015	21:09:39	81.1028	29.4632	11.84	0.3	0.3	0.572288917
13/02/2015	22:08:26	81.0597	29.4687	11.18	0.7	0.8	0.529161679
14/02/2015	00:23:14	81.0413	29.325	10.86	1	2.7	1.074840716
14/02/2015	03:09:38	81.0345	29.3125	8.6	1.1	4.3	1.44762869
14/02/2015	06:39:35	81.0908	29.4812	10.86	1	0.6	0.640972364
14/02/2015	22:29:30	81.4765	29.485	15.33	1.9	1	0.6308777
14/02/2015	22:58:08	80.6882	29.4343	13.43	1.2	1	0.738987268
14/02/2015	23:51:05	81.0288	29.4947	11.85	0.9	0.7	0.067428669
15/02/2015	04:59:38	81.2977	29.5223	13.46	1	1.4	0.676159339
15/02/2015	06:57:33	81.0198	29.3475	12.9	1.6	2.3	0.606534452
15/02/2015	09:59:12	81.286	29.3892	15.42	0.8	1.4	0.858332535
15/02/2015	15:46:55	81.1127	29.4388	11.21	0.5	0.7	1.613556761
15/02/2015	19:15:28	80.9418	29.5095	14.38	0.5	0.5	0.347430425
16/02/2015	00:43:50	81.0757	29.7098	15.55	1.2	1.2	1.308353568
16/02/2015	00:57:32	81.2912	29.6168	5	15	18.5	0.902164815
16/02/2015	06:23:29	81.0628	29.5218	16.13	0.7	0.6	1.244904496
16/02/2015	08:12:00	81.0623	29.5195	15.22	1.1	0.9	0.354752066
16/02/2015	13:14:02	81.0615	29.5197	15.04	0.4	0.4	0.345585968
16/02/2015	13:46:00	81.0187	29.352	13.39	0.7	1.3	1.003629403
16/02/2015	14:42:43	81.1008	29.416	12.69	0.6	0.8	2.214961325
16/02/2015	17:28:48	81.0227	29.4337	15.89	1.8	2	0.865466441
16/02/2015	18:42:29	81.3077	29.5978	14.44	0.9	1.3	0.271630579
16/02/2015	21:34:21	81.0752	29.5015	15.71	0.6	0.4	0.836961715
16/02/2015	22:32:19	81.077	29.4997	16.29	0.8	0.8	1.789591794
16/02/2015	22:36:15	81.0732	29.5022	15.42	0.8	0.5	0.997645927
16/02/2015	22:55:46	81.0663	29.5197	16.21	0.8	0.7	1.470230038
17/02/2015	06:24:58	81.0972	29.4603	11.49	0.8	0.7	0.417892502
17/02/2015	09:12:50	81.1575	29.6307	12.65	1.2	1.3	0.940782266
17/02/2015	10:48:35	80.973	29.408	12.33	1	1.3	0.454932773
17/02/2015	14:48:15	81.2408	29.4315	13.76	1.9	2.3	0.963689598
17/02/2015	17:21:21	81.3483	29.5608	18.91	0.9	0.8	0.72377886
17/02/2015	18:31:25	81.3557	29.5787	14.16	1	0.8	0.376353261
17/02/2015	21:26:09	81.351	29.5758	14.92	0.9	0.7	0.875756828
18/02/2015	00:53:39	81.0173	29.367	14.78	0.7	0.8	0.468708794
18/02/2015	00:55:10	81.2505	29.4575	16.3	0.7	1.2	1.691817323
18/02/2015	04:46:26	81.2028	29.6205	12.68	0.9	0.6	0.635204521
18/02/2015	18:31:12	81.0717	29.5032	14.5	0.6	0.4	0.78136051
18/02/2015	19:04:23	81.2375	29.5248	12.98	0.9	0.7	0.343591255
18/02/2015	19:23:37	81.033	29.3418	13.44	0.8	1.5	1.427922602
18/02/2015	21:38:55	80.7462	29.6862	18.45	1.7	1.6	0.78253997
19/02/2015	02:20:52	81.0635	29.5175	14.69	0.5	0.5	0.593653295
19/02/2015	04:06:49	81.0707	29.5332	14.13	0.7	0.3	0.545487905
19/02/2015	04:38:03	80.8102	29.4522	13.18	0.8	0.7	0.577903762
19/02/2015	14:14:09	81.0768	29.5082	15.75	0.7	0.6	1.451217768
19/02/2015	15:02:23	81.0722	29.5075	14.48	0.5	0.4	0.672719189

19/02/2015	19:28:33	80.9878	29.4827	13.28	0.6	0.7	2.156868803
19/02/2015	22:10:15	81.062	29.5297	15.69	0.6	0.6	0.735406572
20/02/2015	05:42:30	81.0278	29.3365	13.73	0.8	0.9	2.458381675
20/02/2015	13:58:39	81.3713	29.4458	18.34	1.7	1.1	1.054468345
20/02/2015	14:02:46	81.0293	29.6753	17.2	0.9	0.9	0.550028744
20/02/2015	17:07:46	81.0145	29.434	14.74	0.6	0.7	0.682584379
20/02/2015	17:44:27	81.0495	29.471	11.18	1.2	1.1	0.339775531
20/02/2015	21:14:25	80.9962	29.426	9.36	1.1	0.9	0.528539414
20/02/2015	21:47:29	80.9923	29.4422	9.19	0.7	0.7	0.413678005
21/02/2015	00:58:49	81.1513	29.6057	5	8.9	6.9	1.541717046
21/02/2015	15:29:41	80.9805	29.6917	16.51	1.1	1.1	0.72426504
21/02/2015	16:14:22	81.0635	29.5032	14.86	0.8	0.7	0.074192454
21/02/2015	16:20:41	81.3705	29.4357	8.17	1.4	2.2	0.633565841
21/02/2015	16:35:25	81.0728	29.711	16.09	1.2	1.3	1.797741701
21/02/2015	18:22:41	81.073	29.724	15.12	1.2	1.3	0.664840793
21/02/2015	21:06:18	81.0278	29.3383	11.21	0.9	1.8	0.57857366
21/02/2015	23:55:08	81.0585	29.5193	13.81	0.5	0.4	0.18484076
22/02/2015	02:12:04	81.0365	29.3282	11.07	0.9	2.5	2.100506368
22/02/2015	02:21:27	81.0252	29.345	11.52	1	1.7	0.785960292
22/02/2015	08:23:48	81.074	29.503	14.61	0.5	0.5	0.833373753
22/02/2015	08:32:56	81.0752	29.5095	16.03	0.6	0.6	1.226954925
22/02/2015	16:23:13	81.0045	29.4847	10.95	0.6	0.9	0.45320261
22/02/2015	16:54:36	81.0188	29.3362	13.79	0.7	1.4	2.366218055
22/02/2015	20:43:58	81.0837	29.4635	10.4	0.6	0.6	0.744212482
23/02/2015	00:05:33	81.0487	29.6627	18.04	1.2	1.1	1.843893475
23/02/2015	04:02:14	81.4003	29.3863	16.95	1.3	1.4	1.716921805
23/02/2015	06:55:58	81.0278	29.3287	10.84	0.7	1.7	1.856721558
23/02/2015	10:42:17	81.023	29.3288	10.93	0.7	1.8	1.927396786
24/02/2015	00:19:31	81.0747	29.5137	14.2	0.9	0.6	0.333510361
24/02/2015	01:20:08	81.074	29.5063	15.06	1	0.8	0.556168138
24/02/2015	06:32:48	81.018	29.336	12.35	0.7	1.4	1.311097956
24/02/2015	13:16:18	81.01	29.3462	12.81	0.6	1.1	0.806951968
24/02/2015	13:51:30	81.0752	29.5102	14.46	0.7	0.6	0.173344426
24/02/2015	17:55:26	81.2117	29.4265	12.44	1.2	1.3	0.7065611
24/02/2015	18:46:51	81.0168	29.3408	11.28	1	2.1	0.705477327
24/02/2015	21:05:07	81.064	29.5245	17.12	0.7	0.6	1.742496157
24/02/2015	21:06:08	81.0617	29.5297	16.6	0.8	0.6	1.434271839
24/02/2015	21:08:11	81.0658	29.5173	15.59	0.7	0.6	0.368391765
24/02/2015	21:22:13	81.065	29.5218	16.09	0.7	0.7	1.662147773
24/02/2015	21:32:58	81.0818	29.5032	14.58	1.6	1.3	0.500580793
25/02/2015	00:38:51	81.0772	29.4763	10.57	0.7	0.5	0.42608509
25/02/2015	04:40:46	81.2128	29.3208	16.7	2.3	4	1.022030626
25/02/2015	06:02:14	81.0185	29.3427	12.65	0.8	1.5	0.984065047
25/02/2015	07:39:00	81.1522	29.4153	11.87	0.8	1.3	2.117565187
25/02/2015	14:45:24	81.03	29.3322	10.39	0.8	2.1	0.791115013

25/02/2015	15:49:48	81.0167	29.43	14.55	0.5	0.6	0.774067653
25/02/2015	15:52:18	81.0865	29.4558	9.73	0.7	0.8	0.844692612
25/02/2015	16:12:41	80.9843	29.4825	12.13	0.5	0.6	1.70675031
25/02/2015	21:18:43	80.8653	29.6902	17.46	1.9	1.2	0.426825453
26/02/2015	01:36:04	81.2027	29.5222	18.57	0.9	1	0.924695532
26/02/2015	02:18:33	80.9805	29.487	12.25	0.9	1.1	1.196232229
26/02/2015	10:43:34	80.9528	29.5077	12.07	0.5	0.6	1.046294629
26/02/2015	13:10:06	81.015	29.3442	12.6	3.1	3.9	0.403009016
26/02/2015	16:18:12	81.0275	29.3595	12.08	1.5	1.8	0.20640606
27/02/2015	02:07:43	81.0558	29.5175	14.98	0.8	0.6	0.453692053
27/02/2015	03:28:34	81.172	29.6157	15.65	1.3	0.9	0.224043215
27/02/2015	07:41:50	80.828	29.395	12.92	0.8	1.5	0.990660751
27/02/2015	08:31:58	80.8902	29.5975	17.81	0.4	0.3	1.485690902
27/02/2015	12:40:05	80.7522	29.5797	15.35	0.6	0.4	1.560883523
27/02/2015	18:56:56	80.7513	29.6588	17.19	1	0.9	1.321758093
27/02/2015	20:02:19	81.0275	29.3272	13.13	0.5	1.2	1.950141665
27/02/2015	20:06:41	81.0333	29.3242	9.69	0.6	1.8	0.988231056
27/02/2015	20:14:57	81.028	29.3205	11.45	0.6	1.5	2.071257722
27/02/2015	21:50:09	80.7292	29.5577	16.29	0.7	0.5	1.28085687
27/02/2015	23:08:02	81.2852	29.3888	15.43	0.5	0.8	1.560171421
27/02/2015	23:37:01	81.3382	29.5737	17.68	1	0.7	1.828569439
28/02/2015	10:50:27	81.3195	29.5915	17.97	1.5	0.8	1.636192727
28/02/2015	19:24:21	81.33	29.584	18.51	1	0.8	0.452571737
28/02/2015	19:27:44	81.3408	29.5773	17.94	1	0.8	2.364328972
28/02/2015	19:42:08	81.3403	29.5752	17.73	0.9	0.6	1.238818211
28/02/2015	20:12:14	81.3463	29.583	15.9	1.5	1.4	0.329413727
28/02/2015	20:24:33	81.3465	29.5827	16.89	1.4	1.1	0.892063035
28/02/2015	20:25:21	81.3325	29.5688	15.24	1	1	0.938913112
28/02/2015	20:27:07	81.3413	29.5728	17.6	0.9	0.7	1.042440017
28/02/2015	21:23:17	81.3207	29.5943	19.02	1.4	0.8	0.758454103
28/02/2015	23:56:06	81.3033	29.5997	17.76	0.9	0.4	0.688482312
01/03/2015	07:54:44	81.0267	29.4188	16.15	0.7	1.1	2.860363484
01/03/2015	09:56:35	81.0025	29.4263	10.21	5.3	10.4	0.654464311
01/03/2015	09:58:44	81.3438	29.5875	21.03	2	2.6	1.613049525
01/03/2015	10:16:44	81.341	29.6415	30.21	0	0	0.941160888
01/03/2015	10:48:34	81.012	29.349	12.42	0.9	1.1	1.069061305
01/03/2015	12:17:03	81.3375	29.5618	18.88	1.7	3.3	1.247112408
01/03/2015	12:50:40	81.3508	29.4443	28.45	1.2	2.2	1.305045984
01/03/2015	13:08:59	81.0177	29.4385	17.63	1	0.9	1.38386895
01/03/2015	16:05:25	81.0098	29.456	15.47	1.1	1.1	0.879717106
01/03/2015	16:13:27	81.343	29.4537	18.32	2	2.6	0.458053899
01/03/2015	19:35:40	81.0275	29.43	13.6	1.1	0.9	0.702281144
01/03/2015	19:54:55	81.2028	29.5475	10.53	1	2	0.354575846
01/03/2015	22:34:10	81.3013	29.6005	17.99	3.3	6.8	0.744368836
01/03/2015	22:58:55	81.2063	29.5232	5.77	0.4	0.3	0.29550073

01/03/2015	23:55:07	81.3328	29.5815	19.31	1.3	1.2	0.554479015
02/03/2015	02:46:58	81.073	29.6807	18.81	2.1	2.2	1.023465074
02/03/2015	06:30:03	81.0597	29.5182	7.33	0.6	0.8	0.629847962
02/03/2015	06:42:29	81.0758	29.501	9.56	0.6	1.5	0.556194374
02/03/2015	08:37:41	81.0302	29.3565	9.88	3.9	4.1	1.260580793
02/03/2015	09:40:28	81.3445	29.623	23.08	2.1	1.4	0.81087959
02/03/2015	11:02:06	81.294	29.6155	19.86	0	0	0.630974119
02/03/2015	11:45:12	80.8688	29.6365	11.15	1.9	1.5	1.025814585
02/03/2015	15:28:51	81.4002	29.6575	12.21	2.4	2.2	0.863118391
02/03/2015	15:55:51	81.0707	29.6057	8.7	1.9	4.6	0.665264888
03/03/2015	18:49:02	80.9	29.4803	10.14	0.5	0.5	0.403818006
03/03/2015	19:27:55	81.0158	29.4252	15.26	0.6	0.7	0.98743016
03/03/2015	20:04:47	81.1637	29.5792	12.48	1.2	1.2	0.607859724
03/03/2015	23:36:25	81.022	29.422	15.35	0.8	0.9	0.742974043
04/03/2015	01:47:44	81.2637	29.3335	2.57	1.3	19	1.014339865
04/03/2015	02:46:06	81.0057	29.4065	9.61	0	0	0.565735895
04/03/2015	07:16:04	81.1318	29.6057	9.13	1	0.7	0.627557671
04/03/2015	07:39:25	81.0228	29.4985	8.67	0.8	1	0.572152447
04/03/2015	10:10:49	80.983	29.4933	13.54	0.6	0.8	1.225307722
04/03/2015	11:08:44	80.8347	29.4988	11.21	0.2	0.2	1.053939651
04/03/2015	18:39:36	81.0385	29.4743	10.69	0.5	0.5	0.368102876
04/03/2015	19:25:55	81.0573	29.7192	17.6	2.5	2.4	0.957858803
04/03/2015	23:17:44	81.2998	29.5967	15.17	1.3	1.3	0.318413794
05/03/2015	07:41:42	80.9592	29.7258	15.2	1.6	2.9	2.430060003
05/03/2015	14:20:44	80.7028	29.6473	14.04	2.2	1.6	1.005007214
05/03/2015	15:31:17	80.9998	29.482	11.64	1.5	0.9	0.415910956
05/03/2015	19:17:33	81.0177	29.4347	15.01	0.6	0.5	1.09894647
05/03/2015	19:58:46	81.0272	29.3607	13.2	1.4	1.6	0.440982331
05/03/2015	21:19:40	80.9753	29.6915	20.28	1.3	1	0.880379664
05/03/2015	21:46:57	80.9422	29.5812	11.43	0.7	1.1	0.641050833
05/03/2015	21:47:51	80.9433	29.5838	11.46	0.5	0.7	1.089032022
06/03/2015	00:42:23	80.7833	29.731	5	2.6	26	2.686358203
06/03/2015	02:25:00	80.8042	29.4033	5.84	2	2.4	0.445481553
06/03/2015	02:37:29	81.3755	29.5702	20.96	2.1	2.4	1.42152645
06/03/2015	09:39:27	81.4862	29.4253	13	2.4	1.5	1.255395118
06/03/2015	12:57:20	81.459	29.4248	18.84	3.4	1.7	1.598065099
07/03/2015	00:38:48	80.9775	29.5168	12.95	0.9	0.9	0.625352161
07/03/2015	16:46:19	81.2148	29.5258	14.81	0.1	0.2	0.332772767
07/03/2015	18:34:22	81.0068	29.6757	10.99	0.9	0.9	0.366272429
08/03/2015	02:41:13	81.0547	29.5147	11.56	1.4	1.1	0.298650284
08/03/2015	08:28:36	80.9815	29.6303	3.34	1.1	6.1	0.276051634
08/03/2015	15:47:20	81.0273	29.326	10.5	0.7	1.7	1.162633505
08/03/2015	15:59:07	80.968	29.525	10.71	0.8	1.1	0.569961124
09/03/2015	09:41:09	81.2392	29.5743	16.53	1.3	1.2	1.1867107
09/03/2015	17:13:29	81.2292	29.5682	15.19	0.9	0.5	0.512175941

09/03/2015	18:04:20	81.257	29.5285	18.45	2.2	2.5	1.344563476
09/03/2015	18:19:42	80.895	29.5985	5	1.7	2.2	1.27155242
10/03/2015	16:09:31	80.8763	29.5513	11.66	0.5	0.6	0.937402542
10/03/2015	22:39:23	81.3247	29.6083	16.06	1	0.6	0.442903922
11/03/2015	13:24:06	80.7538	29.7378	3	4.4	47	1.161590316
11/03/2015	18:17:07	81.3082	29.5988	18.44	0.9	0.8	0.999287804
11/03/2015	20:19:48	81.181	29.5413	14.49	1.2	1.5	0.263432817
11/03/2015	22:33:36	80.8485	29.5252	9.72	0.4	0.7	0.828584542
12/03/2015	15:19:12	81.0238	29.4413	14.78	0.5	0.7	1.890982819
12/03/2015	19:36:13	80.9418	29.5068	12.13	0.7	0.9	0.639256302
13/03/2015	01:22:15	80.9633	29.6998	17.19	1.4	1.3	0.855469316
13/03/2015	05:49:25	81.0753	29.4305	13.27	1.4	1	0.943728747
13/03/2015	10:14:19	81.0865	29.5032	5	15.9	4.2	0.739648928
13/03/2015	13:34:01	81.3205	29.6907	10.75	1.2	0.9	1.031225754
14/03/2015	00:39:16	80.9337	29.6578	14.88	2.2	1.4	0.612020809
14/03/2015	07:11:23	81.072	29.6673	9.82	3	3.2	0.68740416
14/03/2015	17:23:59	81.0275	29.5032	12.41	1.4	1	0.110266179
14/03/2015	20:10:09	80.8878	29.4413	11.67	0.4	0.6	0.712350313
15/03/2015	08:00:48	80.7908	29.6258	14.24	1.9	1.2	0.814526111
15/03/2015	15:31:52	81.3155	29.5027	14.92	1.5	1.9	0.526879863
15/03/2015	17:13:05	81.3155	29.5045	15.26	1.5	1.8	0.699632691
16/03/2015	02:19:32	81.0638	29.487	11.46	0.6	0.5	0.496448242
16/03/2015	08:12:02	81.2768	29.53	17.27	1.2	1	0.713172187
16/03/2015	17:26:53	80.9502	29.411	12.62	0.4	0.6	0.923710754
16/03/2015	17:28:08	81.0935	29.5032	9.15	0.7	0.7	0.601582318
16/03/2015	19:13:15	80.9505	29.4135	12.67	0.4	0.6	0.646707218
16/03/2015	20:21:22	81.025	29.3497	12.38	0.6	1.1	0.727592323
16/03/2015	22:08:27	81.2115	29.605	13.12	0.7	0.5	0.375609467
17/03/2015	12:08:17	81.0865	29.5032	9.44	0.7	0.6	0.632086089
17/03/2015	20:43:50	81.3052	29.5222	16.41	2.2	2.9	0.2992923
18/03/2015	08:47:39	81.0927	29.5032	9.99	0.7	0.6	1.160428439
18/03/2015	10:25:39	81.036	29.3293	5	2	10.8	0.698722415
18/03/2015	10:58:01	81.0222	29.4262	13.64	0.6	0.7	1.448009249
18/03/2015	17:12:20	81.0813	29.7253	11.44	1.4	2.2	0.669061518
18/03/2015	22:17:00	81.0123	29.3347	11.21	1.4	2.3	0.337397517
19/03/2015	00:01:34	80.8285	29.656	17.13	1.6	1.8	0.507015407
19/03/2015	10:11:04	81.0153	29.3477	11.56	2	3.3	0.691898486
20/03/2015	05:12:11	80.7652	29.628	12.52	1	0.9	1.687999223
20/03/2015	12:06:40	81.0897	29.4998	9.64	0.4	0.3	0.430485413
21/03/2015	10:40:08	81.4203	29.5472	11.91	0.9	0.9	2.023153122
21/03/2015	12:18:01	80.985	29.5458	15.38	0.6	0.5	0.810370396
21/03/2015	19:21:27	80.9942	29.5685	9.83	0.6	1.1	0.257411111
22/03/2015	03:49:25	80.8007	29.4052	10.38	0.3	0.5	0.982452197
22/03/2015	04:23:39	81.027	29.3687	14.91	0.7	1	1.58092204
22/03/2015	15:43:31	80.983	29.3777	11.45	0.6	1.1	0.583881286

22/03/2015	16:35:05	81.3498	29.5645	11.43	1.2	1.4	0.519934858
22/03/2015	23:49:54	81.2302	29.5602	12.99	0.4	0.4	0.41363468
23/03/2015	04:58:13	81.2912	29.6168	5	10	8.3	1.959987215
23/03/2015	21:38:24	81.2225	29.592	15.21	0.7	0.5	0.956664566
24/03/2015	11:12:00	81.0048	29.3815	15.68	0.9	1.2	2.649853485
24/03/2015	11:19:34	80.9983	29.3937	15.5	0.8	1.1	1.248634339
24/03/2015	15:30:39	81.3852	29.4565	13.46	0.8	0.7	0.874746781
25/03/2015	10:04:42	81.0233	29.5657	6.54	1.2	1.9	0.648161292
25/03/2015	12:25:54	81.0297	29.5632	16.79	0.8	0.8	1.064662906
25/03/2015	14:20:55	81.2912	29.6168	5	6.6	5.7	1.882324809
25/03/2015	16:45:07	81.0273	29.3465	12.47	0.8	1.1	0.91083096
25/03/2015	19:38:38	81.2912	29.7035	12.1	3.8	3	1.565426701
25/03/2015	20:13:08	80.949	29.7057	16.27	1.3	1.4	0.701339485
25/03/2015	21:21:51	80.818	29.4743	10.53	0.3	0.3	0.560994248
25/03/2015	23:52:03	80.9515	29.674	15.71	1.2	1.2	1.411493559
26/03/2015	05:29:38	81.2758	29.5717	17.05	1.6	1.7	0.93158488
27/03/2015	00:32:41	80.7918	29.715	19.38	2.4	2.3	1.307112582
27/03/2015	12:15:32	81.0263	29.3265	9.83	0.7	1.9	1.663450389
27/03/2015	22:34:18	81.0263	29.327	10.58	0.5	1.4	0.868804514
28/03/2015	00:26:23	81.4213	29.5603	12.31	1.1	1	1.286341552
28/03/2015	03:08:42	80.938	29.4832	11.52	1.3	0.7	0.73371852
28/03/2015	04:15:15	81.011	29.5543	6.99	1.5	1.7	0.977681119
28/03/2015	05:31:16	80.9465	29.4803	11.58	0.5	0.6	1.568868796
28/03/2015	17:43:23	81.0277	29.3182	8.63	0.7	2.3	0.926576225
28/03/2015	17:52:40	81.0275	29.334	15.74	0.6	1.1	2.823597584
28/03/2015	18:05:35	81.02	29.335	11.71	0.7	1	0.921306275
28/03/2015	18:09:38	81.025	29.3037	10.64	1.2	3.3	0.772144552
28/03/2015	18:10:37	81.0323	29.3158	11.08	1.2	3	1.168886613
29/03/2015	00:46:08	81.0267	29.327	10.77	0.7	1.7	1.420486207
29/03/2015	00:53:01	81.325	29.6757	18.93	0.9	0.6	2.433552076
29/03/2015	09:58:57	81.0298	29.3593	11.25	3.8	5.7	0.643091585
29/03/2015	14:12:27	81.3528	29.4805	15.45	1.2	1.8	1.023305684
29/03/2015	22:06:21	81.299	29.491	16.89	1.5	1.6	1.344434312
30/03/2015	01:47:53	81.1073	29.395	13.49	2	1.9	0.594489478
30/03/2015	22:04:31	80.9458	29.4843	11.45	0.4	0.4	1.325526867
31/03/2015	04:44:22	80.993	29.4295	9.85	1.3	1.7	0.904512872
31/03/2015	18:09:05	81.0158	29.3418	12.51	1.1	1.5	0.401578808
31/03/2015	18:55:39	81.0125	29.606	17.24	1	1.1	1.59410683
31/03/2015	20:56:33	81.0175	29.349	14.63	0.4	0.6	0.674922989
31/03/2015	22:25:54	80.8008	29.679	15.69	1.1	0.9	0.7541828
01/04/2015	01:48:50	81.0275	29.3233	11.01	0.7	2	1.952004172
01/04/2015	02:36:09	81.0485	29.5293	15.59	0.6	0.6	0.766016663
01/04/2015	04:09:33	81.0077	29.3753	15.93	2.8	2.4	0.468309027
01/04/2015	06:35:01	80.847	29.4127	12.73	1	1.3	0.643174634
01/04/2015	14:08:43	81.0387	29.4863	14.76	0.5	0.6	0.373286338

01/04/2015	14:25:58	81.055	29.5032	15.42	0.7	0.5	0.225770424
01/04/2015	15:54:47	81.0705	29.4677	17.03	3.1	1.6	0.253817909
02/04/2015	22:18:59	81.289	29.5977	15.21	1	0.8	2.231579013
03/04/2015	08:44:49	81.3623	29.5537	16.63	1.1	1	1.290232305
03/04/2015	16:25:57	81.0215	29.351	13.16	1.2	1.5	0.373153669
03/04/2015	19:05:38	81.2552	29.5277	18.54	1.5	1.7	0.818160698
04/04/2015	20:39:09	81.0167	29.343	12.66	0.6	1.3	1.507828111
05/04/2015	13:27:40	81.1263	29.4243	12.82	1.2	1.5	0.516005756
05/04/2015	17:46:13	81.3893	29.4688	11.27	0.8	1.2	0.858534048
05/04/2015	19:04:28	80.848	29.6935	14.42	1.6	1.1	0.909025315
06/04/2015	02:13:19	81.1358	29.3445	10.41	2.1	4.9	0.892183619
06/04/2015	22:19:54	81.4597	29.4085	20.55	1.5	1.3	2.243915398
07/04/2015	02:45:24	81.3505	29.4737	15.42	1.5	1.9	1.143613605
07/04/2015	18:45:25	81.1082	29.5763	3.23	0.6	1.5	0.455720279
08/04/2015	07:00:43	80.9757	29.3707	18.06	1.7	1.1	0.424605816
09/04/2015	04:00:21	80.9347	29.4315	12.88	1	0.8	0.618773854
11/04/2015	01:51:17	81.0187	29.3525	11.29	2.7	4.5	0.675108643
12/04/2015	02:58:01	80.9377	29.5038	12.21	0.7	0.8	0.842613324
12/04/2015	03:03:21	80.9435	29.5	13.83	0.5	0.6	0.964497056
12/04/2015	11:43:21	80.9372	29.441	12.61	0.4	0.4	0.608908055
12/04/2015	19:50:45	80.9542	29.6883	10.42	1	1.1	1.640517317
12/04/2015	20:29:08	81.0098	29.5207	17	0.5	0.7	1.223717933
13/04/2015	10:29:09	81.3187	29.361	11.48	3.1	6.3	0.759342857
13/04/2015	11:41:23	80.8703	29.4748	10.76	0.5	0.6	1.032143567
14/04/2015	22:55:36	81.2393	29.663	11.32	0.6	0.3	0.765236231
15/04/2015	15:27:51	81.0243	29.3242	7.31	1.7	4.1	0.597989993
15/04/2015	18:32:49	80.9843	29.4998	13.86	0.7	0.7	1.476808459
16/04/2015	02:13:19	81.1073	29.5133	12.66	0.9	1.2	1.507217347
16/04/2015	08:42:24	80.9523	29.5155	14.14	1.5	0.7	0.659819557
17/04/2015	02:32:02	80.9525	29.514	14.49	0.5	0.6	1.830078231
17/04/2015	22:15:55	81.0932	29.583	11.79	0.8	1.2	1.834196273
18/04/2015	02:04:15	81.131	29.428	9.16	1.5	2	0.714403083
18/04/2015	03:29:14	81.1165	29.5032	14.18	0.9	0.7	0.410159695
18/04/2015	05:20:39	81.1427	29.45	13.29	2.4	2.5	1.179525281
19/04/2015	05:14:44	80.9077	29.5402	15.64	0.7	0.6	0.793849769
19/04/2015	05:48:44	81.0163	29.5527	11.68	0.6	0.7	0.699507171
19/04/2015	14:23:32	80.9533	29.4072	12.76	0.7	0.7	1.115674089
19/04/2015	17:50:03	81.2807	29.5937	21.59	0.9	0.6	2.305262832
21/04/2015	19:08:13	81.0095	29.6497	10.15	0.9	1.3	2.062507294
21/04/2015	20:26:21	80.9605	29.5157	14.2	0.5	0.8	1.200805914
22/04/2015	05:17:59	81.007	29.4642	10.38	0.6	1	1.29037991
22/04/2015	23:35:22	81.4038	29.48	13.32	0.2	0.2	1.11826251
24/04/2015	20:28:01	81.3763	29.6375	9.4	1.3	1	1.301123747
24/04/2015	22:57:45	80.9432	29.4197	11.97	0.3	0.3	0.821693842
26/04/2015	01:35:50	81.3965	29.4092	17.55	1.3	1.2	2.386715483

26/04/2015	04:17:41	80.9305	29.6138	13.09	1.3	1.5	1.542793394
29/04/2015	06:16:01	80.766	29.6802	13.45	1.5	1.1	1.596061674
29/04/2015	17:03:03	81.286	29.3872	15.45	1.5	1.6	0.722899837
29/04/2015	19:29:16	81.0325	29.328	9.07	0.7	2.8	1.012604019
30/04/2015	00:09:36	81.2653	29.349	11.71	2.1	5.4	1.214247341
30/04/2015	22:09:09	81.0332	29.6645	10.04	10.8	14.6	1.135224674
03/05/2015	19:46:43	81.375	29.636	9.4	1.2	1	1.047058154
03/05/2015	20:31:39	80.8065	29.6523	14.75	1.6	1.8	2.059857909
04/05/2015	00:43:25	81.3687	29.559	14.66	1.7	1.4	0.722920538
04/05/2015	10:46:17	81.0222	29.4972	13.01	0.6	0.6	1.515607839
05/05/2015	02:53:11	81.0198	29.6175	10.95	1	1.6	1.07614829
05/05/2015	09:31:50	80.9755	29.504	12.85	0.4	0.7	1.920690761
05/05/2015	10:02:17	80.9758	29.5013	12.39	0.5	0.8	1.317522494
05/05/2015	10:45:23	80.8502	29.3805	12.52	0.6	0.8	2.370428991
05/05/2015	16:36:43	81.3668	29.6202	9.53	1.6	1.6	1.684640596
06/05/2015	19:34:22	81.2432	29.551	14.1	0.3	0.3	0.632397167
06/05/2015	22:43:38	81.1212	29.6593	16.26	1.2	1	1.696602351
07/05/2015	16:27:04	81.0555	29.6437	16.21	1.1	1.2	1.422439113
09/05/2015	10:47:29	81.0948	29.4908	9.61	0.1	0.1	0.577427669
09/05/2015	14:20:07	81.0962	29.5013	13.93	0.5	1	1.233559113
10/05/2015	06:51:07	81.3142	29.5987	18.21	1.2	0.9	1.593807009
10/05/2015	14:09:12	81.057	29.527	12.72	0.9	1.8	1.249689445
11/05/2015	06:57:17	81.393	29.4783	13.81	0.8	0.8	1.726113484
11/05/2015	10:20:52	81.0723	29.3865	10.52	1.4	3.5	1.160433896
13/05/2015	14:16:26	81.1597	29.567	14.38	1	1	1.069336704
14/05/2015	20:20:38	81.0505	29.6428	15.18	1.5	2	1.986757989
15/05/2015	20:53:31	81.2483	29.5323	15.28	1.2	1.6	1.345523227
17/05/2015	02:27:01	81.0678	29.6622	15.89	1.6	2	2.218789778
17/05/2015	17:01:18	81.2182	29.3112	10.37	1.5	7	1.263393729
17/05/2015	17:48:47	80.9163	29.6962	12.72	1.7	1.7	1.864077266
17/05/2015	18:27:21	81.0737	29.6597	16.69	1.8	2.2	1.593850084
18/05/2015	15:00:15	81.179	29.5288	15.22	0.9	1.4	1.442412295
19/05/2015	17:08:05	81.3935	29.7107	14.63	1.8	2.3	2.727730656
20/05/2015	11:35:41	81.0183	29.7062	71.21	19.3	14.4	2.522740222
23/05/2015	14:12:47	80.9442	29.3908	13.24	0.9	1.1	2.415553315
24/05/2015	10:47:59	80.918	29.5962	12.38	0.3	0.3	2.001628815
29/05/2015	10:39:26	81.2342	29.5753	6.09	1.4	3.1	1.376492225
30/05/2015	17:35:43	81.0687	29.6648	12.86	1.8	2.7	1.67617042
31/05/2015	04:30:41	81.0357	29.5735	2.5	3.3	33.6	2.897684402
31/05/2015	07:55:01	81.0153	29.3283	10.39	1.1	2.8	2.575810077
31/05/2015	14:02:58	80.5227	29.8393	17.93	0	0	3.242321412
02/06/2015	01:45:46	81.332	29.4943	15.31	0.5	0.9	1.432822787
02/06/2015	02:50:40	81.3215	29.4858	15.83	0.8	1.1	1.184016948
02/06/2015	02:52:01	81.313	29.4838	17.14	1.5	2	1.649042952
02/06/2015	08:46:22	81.311	29.4828	17.24	1.7	1.9	2.381269546

02/06/2015	17:27:05	81.3695	29.3835	16.8	0.9	1.1	1.194411909
03/06/2015	22:00:14	81.2918	29.3555	13.91	0.8	2.4	0.985807461
04/06/2015	00:23:32	80.8557	29.637	16.18	0.3	0.2	1.327993642
04/06/2015	19:51:31	81.1285	29.39	16.31	1.9	3.1	0.693674021
05/06/2015	14:47:49	80.8353	29.4933	11.52	1	0.9	2.06370741
06/06/2015	19:20:47	81.4557	29.4333	14.58	1.8	1.3	1.253023754
06/06/2015	23:24:54	81.2308	29.5928	9.82	2.3	3.1	0.920015231
11/06/2015	04:20:58	80.8682	29.705	18.11	1.8	1.4	2.640391316
11/06/2015	09:16:47	81.1158	29.4318	15.2	1.9	2.8	1.306440452
12/06/2015	13:16:29	81.2912	29.6278	21.94	3.5	2.1	2.235197987
12/06/2015	13:19:29	81.2615	29.5935	19.62	3.3	3.1	1.731144292
12/06/2015	14:55:01	81.0712	29.3832	10.72	1.6	3.2	1.379539321
12/06/2015	15:03:40	81.2912	29.598	19.14	0.6	0.7	1.031458527
13/06/2015	08:58:12	81.4553	29.4248	14.98	1.5	1	1.61683228
14/06/2015	00:06:57	81.4233	29.6627	12.98	3.2	6.3	2.188862153
15/06/2015	23:41:29	81.0257	29.3333	10.62	1.3	3.1	1.886737192
16/06/2015	17:31:29	81.0098	29.3822	18.45	2.2	2.4	0.924888311
18/06/2015	20:27:00	81.0292	29.3282	10.96	1.1	2.8	1.785068421
19/06/2015	02:38:19	81.0308	29.4108	10.95	2.7	3.4	1.295391389
28/06/2015	02:57:05	81.0692	29.4227	10	0.7	1.6	2.831790567
03/07/2015	16:45:40	80.7953	29.3432	17.08	2.6	1.3	2.042175384
04/07/2015	07:04:16	81.0692	29.4288	11.6	1.6	2.5	1.714368914
04/07/2015	23:01:23	81.2208	29.5222	16.1	2.8	4.3	1.21149852
07/07/2015	10:00:10	81.4765	29.4537	16.95	2.8	1.2	1.97622233
07/07/2015	17:26:30	81.398	29.6335	14.96	0.9	1.8	1.624750241
08/07/2015	22:40:13	80.8192	29.5078	9.08	3	2.1	0.900726324
10/07/2015	09:24:51	80.8155	29.502	9.77	0	0	1.695196168
13/07/2015	02:19:26	81.0548	29.3047	1.25	0.8	22.8	2.011704934
13/07/2015	13:08:04	81.1335	29.5952	12.68	1.3	2.1	1.366535542
13/07/2015	16:50:59	81.0865	29.5793	17	2.7	2.7	1.962094181
13/07/2015	21:38:00	80.9882	29.3823	12.35	2.4	3.4	1.782233892
15/07/2015	02:29:05	80.9955	29.3665	22.28	1.4	1.4	3.287982516
15/07/2015	11:43:55	80.9032	29.3855	9.26	6.4	7.7	2.58195225
15/07/2015	13:36:37	81.0658	29.4413	16.5	2.7	1.9	1.406549257
19/07/2015	18:46:36	80.8758	29.6252	15.92	3.6	3.2	1.576350848
22/07/2015	15:22:54	81.0525	29.458	12.75	1.4	1.9	1.162495734
26/07/2015	19:05:05	81.064	29.436	12.27	1.8	2.7	1.591587903
28/07/2015	16:44:46	80.9377	29.4642	11.46	2.3	1.1	1.630337363
29/07/2015	20:44:54	80.9182	29.3697	9.34	0	0	1.559179803
31/07/2015	18:47:07	80.9957	29.5335	10.61	1.6	2	2.444544178
03/08/2015	03:58:44	80.9468	29.506	12.77	2.9	1	1.682112001
03/08/2015	07:20:55	80.9228	29.5752	16.9	4.1	1.9	1.456467852
03/08/2015	15:13:16	81.0547	29.511	9.28	1.4	2.3	2.091663719
04/08/2015	06:09:18	80.9598	29.4805	13	4.3	1.9	2.322178342
05/08/2015	00:20:55	81.0162	29.423	6.1	1.1	2.1	1.744145601

05/08/2015	19:16:09	80.8103	29.5543	27.6	0	0	4.198707868
06/08/2015	01:55:16	80.8328	29.5327	24.09	8	4.6	3.622623488
06/08/2015	18:51:57	80.7045	29.6172	5	0	0	3.007994131
14/08/2015	17:35:10	81.2912	29.4938	16.98	2.5	4	1.74823872
16/08/2015	03:42:36	81.0635	29.4347	9.53	1.7	3	1.849475194
16/08/2015	03:51:32	81.3892	29.587	12.21	2.1	2.7	2.932597034
16/08/2015	03:59:37	81.0657	29.4372	9.89	1.6	2.6	1.723781535
19/08/2015	14:04:53	80.9328	29.6802	3.56	4.3	29.4	2.435809229
20/08/2015	06:21:44	80.9365	29.5027	12.44	3.4	1.7	2.981618558
20/08/2015	21:08:30	80.8665	29.602	10.6	7.6	9.8	1.171760711
21/08/2015	19:59:23	80.922	29.5185	10.91	1.5	0.9	1.133116081
23/08/2015	04:03:39	81.4308	29.5858	11.99	0.8	1.1	2.115535863
25/08/2015	11:23:46	80.9025	29.6988	18.1	0	0	2.155342235
26/08/2015	22:44:49	81.1542	29.4465	20.45	2.5	2.3	1.474107905
28/08/2015	14:21:43	81.332	29.3715	10.75	1.7	4.8	1.894728513
29/08/2015	00:00:43	80.8297	29.5027	11.16	24.2	12.1	3.122932349
29/08/2015	01:56:58	81.08	29.4415	12.4	2	3	1.552862121
29/08/2015	13:30:47	81.2323	29.5115	16.72	3.1	4.8	1.234223789
29/08/2015	23:56:22	81.3078	29.4945	16.04	2.8	4.4	1.968868893
01/09/2015	13:52:08	80.9808	29.488	11.16	1.4	1.1	0.881160643
02/09/2015	15:42:34	80.9975	29.3717	13.75	0.7	1.1	0.671063515
03/09/2015	00:29:57	80.9868	29.3687	13.93	1.2	1.4	1.081418333
05/09/2015	10:05:16	81.1273	29.3477	14.99	1.2	3.1	1.359756354
05/09/2015	19:46:06	80.8453	29.4642	10.16	0.7	0.7	0.973817065
06/09/2015	01:36:06	81.0482	29.7053	10.86	1.7	3.6	1.334411505
07/09/2015	05:58:23	80.954	29.496	11.86	1.2	0.9	2.038434217
07/09/2015	14:34:30	80.9032	29.389	5	0.7	1.5	0.8605478
09/09/2015	17:54:02	80.7437	29.4847	5	1.4	1	0.802661015
11/09/2015	05:00:19	81.083	29.4757	11.39	1.4	2.7	1.863522546
11/09/2015	12:54:13	80.7437	29.4847	11.63	8.2	3.9	3.419784825
12/09/2015	06:08:08	80.9333	29.4473	12.32	0.9	0.9	1.271307526
12/09/2015	19:28:05	81.1323	29.6487	13.7	1.3	2.1	1.008683237
13/09/2015	05:02:49	81.3338	29.3772	15.77	1.3	2.1	1.226546988
14/09/2015	18:23:59	81.5028	29.5633	15.91	1.5	0.9	1.569228827
14/09/2015	18:28:08	81.5102	29.5647	16.41	2.2	1.3	1.623766668
14/09/2015	23:12:49	81.5323	29.5763	14.49	1.5	1.6	1.392149577
15/09/2015	07:01:34	80.9032	29.4863	83.17	11.6	4.3	2.195056523
15/09/2015	10:56:51	80.9395	29.6437	9.26	9.7	24.3	2.064298065
15/09/2015	13:38:55	80.9313	29.4642	11.44	1.2	0.6	1.178600761
18/09/2015	09:52:44	80.948	29.4705	10.82	1.1	0.5	0.650474906
18/09/2015	15:52:34	80.9113	29.5338	17.52	5	3.4	3.088093407
19/09/2015	16:36:56	81.018	29.3547	16.62	1	1.4	2.214404119
19/09/2015	19:40:44	80.7437	29.4847	5	16.3	2.5	1.361833502
19/09/2015	21:28:53	81.0045	29.3558	16.84	1.1	1.6	1.658950776
21/09/2015	23:21:09	81.2513	29.6377	16.13	1.3	0.9	1.028265009

22/09/2015	01:21:04	81.3008	29.3942	10.69	2.8	3.2	1.128051161
23/09/2015	20:35:37	81.1168	29.593	8.27	0.4	1.3	0.672864346
24/09/2015	13:44:30	81.0975	29.4552	8.61	1.2	1.4	1.520790665
24/09/2015	17:39:36	81.0988	29.4545	9.78	1.4	1.4	0.866114751
25/09/2015	01:11:52	81.0495	29.4923	10.48	1.6	4.3	1.043141881
25/09/2015	04:51:06	80.9955	29.3775	14.52	1.5	1.7	0.414040204
25/09/2015	23:26:21	81.163	29.6327	10.67	0.6	0.9	0.729864266
27/09/2015	01:42:21	81.1078	29.5653	15.89	0	0	1.54597329
27/09/2015	12:11:37	80.9672	29.5997	16.7	4.2	4.3	1.39799573
27/09/2015	16:18:15	81.1027	29.4458	8.21	1	1.2	0.803579337
27/09/2015	18:43:27	80.9298	29.4713	11.96	0.7	0.2	0.648369581
27/09/2015	22:18:51	80.927	29.438	11.97	0.4	0.3	0.712563142
28/09/2015	02:39:04	81.0542	29.442	10.38	1.2	1.6	1.027917263
28/09/2015	09:37:42	81.2123	29.4172	11.14	0	0	1.303431809
29/09/2015	09:35:14	80.7437	29.4847	10.71	11.3	6.1	3.439244058
29/09/2015	16:22:17	81.0482	29.672	12.52	2.3	4.1	1.778414928
30/09/2015	03:44:32	80.8672	29.6393	16.64	7.9	9.2	0.986555617
30/09/2015	04:21:31	80.8287	29.545	18.63	9.1	5.7	1.937678091
30/09/2015	04:21:33	80.8688	29.5107	3	7.9	24	1.955972434
30/09/2015	20:32:43	81.2205	29.5292	19.94	3.9	4.3	1.51149357
01/10/2015	09:07:20	81.1558	29.3707	15.17	2.2	4.4	1.040950784
01/10/2015	21:47:04	80.982	29.7067	5	4.7	23.9	1.291687025
02/10/2015	08:01:05	81.0942	29.585	27.32	10.1	13.2	1.75468018
02/10/2015	18:10:39	81.1443	29.6342	12.93	1.1	1.1	1.092550079
03/10/2015	02:03:26	81.1583	29.3268	16.49	1.5	4.1	1.85745344
03/10/2015	21:41:04	81.0245	29.5442	18.93	7.8	11.4	2.740324759
04/10/2015	17:11:00	81.066	29.439	9.46	0.9	1.2	0.824438052
04/10/2015	17:11:35	81.146	29.3493	16.46	0.9	2.4	1.371753521
05/10/2015	15:28:58	81.2452	29.256	1.25	6	152.6	1.273989726
05/10/2015	21:26:33	81.4312	29.5138	17.72	1	0.9	1.175099296
05/10/2015	22:49:34	81.1335	29.389	12.39	1.4	3.1	0.829993877
06/10/2015	18:15:47	81.0308	29.3457	12.63	0.9	2.1	1.03308073
06/10/2015	20:07:47	81.4483	29.5072	12.17	0.3	0.3	0.650943905
07/10/2015	16:53:55	81.3315	29.5743	15.21	2.1	1.5	1.289458018
08/10/2015	00:36:26	81.3515	29.4133	16.39	1.2	1.3	2.127491365
08/10/2015	08:15:25	81.0007	29.4642	8.94	1.9	1.4	0.969893024

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728 **Supplementary Material S6: Relative relocation HypoDD**

Date	Time	Longitude	Latitude	Depth	Horizontal Error (m)	Depth Error (m)	Magnitude MLv
01/12/2014	09:17:38	81.017074	29.427712	15.186	56.31696015	43.8	1.407661941
01/12/2014	22:21:19	81.026172	29.527645	16.786	108.9150586	95.7	1.794839334
02/12/2014	14:51:33	81.014567	29.430214	14.888	71.94122601	57.3	0.732993041
02/12/2014	15:21:02	81.076147	29.422636	10.952	162.4380805	109.7	1.304339396
04/12/2014	07:54:51	81.027222	29.40423	14.539	79.70752788	57.5	0.739066879
04/12/2014	12:33:16	81.026416	29.527745	17.149	111.1951438	94	3.18040461
04/12/2014	16:31:38	81.030273	29.406482	13.797	94.57949038	76.8	0.764611104
04/12/2014	20:33:35	81.032316	29.524738	16.658	78.2174533	64.6	1.807673461
05/12/2014	05:14:42	81.014673	29.434399	15.122	73.06161783	60.2	0.556679018
05/12/2014	09:33:06	81.017008	29.429142	14.974	79.46049333	68.6	1.335508466
05/12/2014	17:48:01	81.031364	29.52724	16.528	89.07637173	76.4	0.82055342
05/12/2014	18:15:04	81.231234	29.405884	13.086	405.5160293	251	1.528004085
06/12/2014	02:26:34	81.013599	29.431578	14.997	59.32191838	44.7	1.428715706
06/12/2014	17:54:01	81.031681	29.526465	16.251	84.54040454	70.8	0.769613093
08/12/2014	03:29:26	81.015153	29.432273	14.788	62.48919907	51.7	1.160264606
08/12/2014	04:00:58	81.011369	29.436066	15.012	54.25283403	44.1	0.907130406
08/12/2014	16:46:46	81.265828	29.38961	18.141	436.4922222	336.1	0.45007257
09/12/2014	01:42:09	81.015788	29.431742	14.845	67.05221846	54.4	0.889966092
09/12/2014	01:53:24	81.015422	29.431785	14.891	54.72001462	43.8	0.712871494
09/12/2014	02:25:09	81.017619	29.426957	14.959	60.31624988	42.7	1.18065236
09/12/2014	16:56:14	81.017912	29.427291	15.065	66.4702189	57.7	1.226721193
09/12/2014	17:57:12	81.017049	29.428746	15.135	78.5806592	67.4	1.556400689
09/12/2014	23:54:35	81.055859	29.486167	12.879	86.02377578	65.3	1.210615111
10/12/2014	04:40:16	81.009806	29.4409	15.052	110.0071361	89.9	0.773638076
10/12/2014	08:55:39	81.055347	29.486892	12.957	90.42676595	66.2	0.748469289
11/12/2014	20:37:56	81.015763	29.433691	14.878	47.70377344	37.8	0.718972692
13/12/2014	06:55:00	81.286312	29.389506	17.802	333.7598238	228.9	3.441659323
13/12/2014	07:05:48	81.287581	29.398777	13.629	339.5763537	250.1	1.197491121
13/12/2014	07:23:11	81.293481	29.392373	15.34	248.7611304	167.3	2.072817909
13/12/2014	07:43:15	81.290723	29.389986	14.583	351.9396681	226.7	1.405895312
13/12/2014	08:50:18	81.297396	29.393882	13.663	342.7639421	228.6	1.249107914
13/12/2014	08:57:12	81.285547	29.392861	14	522.8965481	310.4	1.100847254
13/12/2014	17:44:46	81.297225	29.394014	13.968	343.991279	228.2	1.200970065
13/12/2014	22:39:25	81.0295	29.5329	15.825	112.3891899	94.2	0.457251132
14/12/2014	02:31:11	81.017928	29.44504	12.292	115.1350511	94.2	1.67613835
14/12/2014	05:11:54	81.290592	29.392603	15.168	213.4442316	148	1.597558819
14/12/2014	12:01:55	81.293099	29.397068	16.526	313.1381325	215.7	1.295882114
14/12/2014	19:42:46	81.063599	29.510781	15.655	57.53607564	45.2	1.825841142
14/12/2014	20:15:12	81.0618	29.510624	16.059	53.337604	44.7	1.953808589
14/12/2014	21:34:17	81.017375	29.418223	11.662	98.24886768	77.8	0.730862022

15/12/2014	02:31:24	81.290137	29.392584	13.997	291.3991249	206.4	1.356243856
15/12/2014	13:51:10	81.060645	29.512008	14.54	58.80008503	47.1	0.446849692
16/12/2014	09:33:54	81.285246	29.397632	16.4	331.1398043	234.9	1.632579877
16/12/2014	18:43:56	81.288997	29.390072	19.91	408.7890043	277.9	3.784497892
16/12/2014	18:50:35	81.296558	29.39589	17.116	364.1975563	246.5	1.632296863
16/12/2014	18:55:39	81.29467	29.385077	17.751	340.2421638	236.3	2.192629084
16/12/2014	19:17:25	81.301823	29.385368	13.693	272.6165072	177.4	1.467872849
16/12/2014	19:20:09	81.298966	29.380271	11.122	401.1286577	297.2	1.649800217
16/12/2014	20:17:09	81.300073	29.391724	15.096	248.1179155	187.5	1.627919962
16/12/2014	21:56:34	81.285335	29.386503	18.82	361.240377	210.6	3.101564995
16/12/2014	23:17:37	81.063761	29.506942	15.603	100.0208978	81.7	1.547516707
17/12/2014	00:21:22	81.297567	29.381791	10.581	426.9364824	312.4	1.203251757
17/12/2014	15:19:06	81.058651	29.509094	15.861	41.90190926	35.6	1.443250488
17/12/2014	17:08:00	81.063387	29.510006	15.415	50.98019223	40.7	1.104704221
17/12/2014	17:33:41	81.062362	29.510213	16.026	57.10639194	47.5	2.051223732
17/12/2014	17:44:39	81.062028	29.509452	15.453	60.25446042	47.4	0.714340244
17/12/2014	17:55:41	81.05708	29.506517	14.255	51.78590542	42.7	0.500773301
18/12/2014	00:39:57	81.06084	29.508864	15.459	49.60453608	40.6	0.735774692
18/12/2014	00:45:53	81.060889	29.508411	15.999	56.0108918	45.9	1.373979213
18/12/2014	20:15:35	81.029207	29.33291	11.674	252.2941537	214.7	1.25393273
18/12/2014	21:30:39	81.298568	29.390411	13.828	382.0789447	260.4	0.966135748
19/12/2014	05:16:51	81.067562	29.506344	15.294	70.63851641	59.8	0.850621505
19/12/2014	11:06:33	81.023136	29.341956	14.531	331.3488947	278	1.169850544
19/12/2014	22:22:52	81.057349	29.509381	15.759	49.04742603	40.2	1.239172866
19/12/2014	22:26:30	81.058398	29.507737	15.658	47.43680006	40	0.83342861
20/12/2014	05:15:15	81.066048	29.507037	15.463	76.31677404	62	0.628024511
20/12/2014	15:43:57	81.066195	29.507959	15.78	58.9143446	47.9	0.750712839
21/12/2014	01:01:44	80.908187	29.422097	12.211	219.5649562	156.6	1.052479936
21/12/2014	15:39:25	80.908374	29.383555	12.837	381.3885289	261.1	1.98865224
21/12/2014	16:03:53	81.05424	29.511609	15.796	43.74117054	34.8	1.141758649
22/12/2014	13:08:12	81.23549	29.414742	12.629	427.3181719	308.1	1.66242103
22/12/2014	19:42:54	81.058415	29.50801	15.543	61.68306088	51.2	1.01456085
22/12/2014	20:37:35	81.058675	29.509519	15.883	42.63578309	35.9	1.833333196
22/12/2014	20:45:10	81.061711	29.513015	15.461	64.31523925	50.6	0.909355034
22/12/2014	20:50:04	81.057048	29.510848	15.86	58.24542901	48.2	1.34958321
22/12/2014	21:48:16	81.061011	29.505564	14.08	63.02586771	49.9	1.240350047
22/12/2014	22:04:44	81.061548	29.509283	15.082	63.12685641	52.8	0.44989248
22/12/2014	23:38:20	81.057707	29.509859	15.403	47.88026733	38.4	1.11644049
23/12/2014	20:09:55	81.294206	29.388853	15.694	194.706985	143.5	1.537135666
23/12/2014	22:53:38	81.0163	29.434369	14.57	59.53158825	40.1	0.629417421
24/12/2014	05:56:26	81.06512	29.508384	15.744	59.58942859	48.3	1.523147119
24/12/2014	10:29:38	81.014095	29.434969	14.927	74.55575095	61.6	0.916822249
24/12/2014	12:02:51	81.014144	29.434377	14.856	70.56599748	57	1.007732131
24/12/2014	18:57:35	81.060099	29.481101	12.984	94.32035835	75.3	1.782381872
25/12/2014	02:40:55	81.227938	29.442244	14.076	484.3220107	366.6	1.702324618

25/12/2014	16:57:27	81.0677	29.504118	15.206	52.13108478	40.6	1.052225268
25/12/2014	17:41:57	81.065096	29.506732	15.399	57.46042116	46.1	0.643883311
25/12/2014	17:47:12	81.090365	29.57581	10.486	118.1183305	102.5	0.670662567
27/12/2014	16:52:40	81.295532	29.364551	16.316	413.7473263	276.6	1.330651089
27/12/2014	19:24:51	81.286312	29.372241	17.132	358.0927254	267.2	0.999702845
27/12/2014	20:06:22	81.285872	29.365623	17.41	341.500937	233.5	1.563399872
27/12/2014	21:03:26	81.288249	29.365312	17.662	351.5032006	253.5	1.818072367
28/12/2014	02:56:17	81.068294	29.506907	15.359	55.64242985	44.2	1.136067219
28/12/2014	11:09:48	80.938631	29.390926	13.599	383.1763302	256.9	2.309261201
28/12/2014	14:11:43	81.051709	29.507302	14.971	76.862995	62.6	0.499093132
28/12/2014	15:28:42	80.988721	29.419885	12.906	134.4085191	84.9	0.491755727
28/12/2014	15:35:03	81.055981	29.509145	15.853	57.97732315	47.6	0.859491946
28/12/2014	18:23:58	81.05953	29.50616	16.914	84.84161715	70.7	3.707953686
28/12/2014	18:46:12	81.059937	29.510547	15.631	55.59316505	45.6	0.662112828
28/12/2014	19:15:34	81.065015	29.504972	15.367	62.67000878	50.8	0.351968353
28/12/2014	22:20:59	81.065389	29.506767	15.409	46.38124621	36.9	0.872572126
28/12/2014	22:29:33	81.051693	29.510455	15.851	62.57611365	50.9	1.097607392
29/12/2014	01:35:16	81.068717	29.500362	14.915	75.0149985	60.9	0.837518152
29/12/2014	01:39:43	81.068962	29.503489	15.099	50.52534018	39.1	0.759652961
29/12/2014	01:56:30	80.989559	29.361214	14.109	438.017648	338.9	1.757990638
29/12/2014	03:22:28	81.052246	29.512179	15.745	55.00227268	44.3	1.049740062
29/12/2014	05:55:36	81.068197	29.506293	15.401	55.83377114	45.4	1.220758759
29/12/2014	10:28:39	81.052661	29.511324	15.89	57.88376284	46.7	2.022921392
29/12/2014	18:43:27	81.051912	29.509912	15.547	59.59093891	48.8	0.435201429
29/12/2014	23:30:13	81.066642	29.503815	15.468	61.54494293	49.7	0.80116633
29/12/2014	23:39:24	81.065828	29.508632	15.362	50.81781184	41.8	0.820583904
30/12/2014	01:18:50	81.068604	29.503269	15.149	59.86802151	47.3	0.875914345
30/12/2014	13:41:56	81.067782	29.507225	15.424	60.18479875	48.6	1.450477798
30/12/2014	14:08:58	81.068921	29.507959	15.553	55.52368864	44.8	1.389279725
30/12/2014	23:06:21	81.015544	29.42959	15.096	56.87046685	48	1.602546857
31/12/2014	07:04:24	81.067619	29.505971	15.286	74.4422595	59.9	1.358903236
31/12/2014	20:27:08	81.04978	29.515432	15.565	75.06643724	61.6	0.902914495
01/01/2015	08:14:56	81.012972	29.433254	14.857	75.73565871	65.8	0.885152709
01/01/2015	08:49:46	81.016943	29.426634	14.841	53.72755345	45.1	1.602194455
02/01/2015	12:50:38	81.067952	29.510209	14.985	108.6731338	82.1	0.837288462
02/01/2015	15:04:13	81.071395	29.504787	15.64	81.99786583	67.4	1.08292764
02/01/2015	22:21:28	81.070166	29.50674	15.416	76.77043702	67.1	0.757657089
03/01/2015	22:09:01	81.085441	29.563493	9.907	87.98891976	77.8	0.885600741
05/01/2015	09:03:22	81.073397	29.505249	15.688	77.91084648	63.1	0.849069493
05/01/2015	16:41:45	81.069596	29.499931	15.573	74.02702209	60.4	1.719278604
05/01/2015	16:46:45	81.070174	29.505184	15.662	95.73238741	77.5	1.213949689
05/01/2015	16:51:39	81.073755	29.502557	15.675	66.30007541	53.1	1.477401822
06/01/2015	10:50:01	81.068628	29.505149	15.389	50.45998415	39.5	1.198578834
06/01/2015	10:55:13	81.069043	29.505153	15.374	47.80972704	36.9	1.347694003
06/01/2015	10:56:03	81.068555	29.505469	15.328	65.08002766	52.1	1.138872686

06/01/2015	18:13:34	81.217855	29.397449	12.9	334.6750364	180.7	1.592658365
07/01/2015	01:20:22	81.070076	29.50707	15.287	61.60032467	49.4	1.088179407
07/01/2015	12:14:05	81.073641	29.50496	15.304	54.31942562	41.2	1.089605471
08/01/2015	13:10:20	81.069971	29.503607	15.416	80.85177796	65.5	1.566865948
08/01/2015	19:57:34	81.094198	29.567428	12.102	113.6370538	101.7	0.735521022
09/01/2015	06:09:07	81.015666	29.43052	14.895	72.41892018	59.9	0.912120677
10/01/2015	04:07:16	81.049015	29.512284	15.743	65.92670172	54.7	1.388585331
10/01/2015	08:40:05	81.033301	29.528937	16.579	87.38060426	73.6	0.679674039
11/01/2015	00:32:58	81.050553	29.512854	15.633	70.14449373	58.7	0.507830218
11/01/2015	21:15:15	81.069881	29.505593	15.537	106.6412678	85	0.942069428
12/01/2015	17:42:05	81.051701	29.511843	15.815	98.71828605	80.1	0.550876509
13/01/2015	18:27:51	81.049129	29.511841	15.448	69.97785364	57.9	0.550669422
14/01/2015	10:32:11	80.997998	29.361271	12.154	424.1555021	324.2	1.193487598
18/01/2015	08:45:42	81.090902	29.49589	6.815	86.36810754	71.6	1.345054403
18/01/2015	15:29:05	81.068872	29.505349	15.615	70.02927959	56.7	1.808073942
18/01/2015	18:27:59	81.073568	29.505467	15.673	66.76024266	53.3	0.512746654
18/01/2015	19:42:55	81.074251	29.503009	15.558	75.93484049	62.1	0.683679715
18/01/2015	20:29:29	81.078923	29.499298	20.012	159.0777483	146.2	1.337485773
18/01/2015	20:52:02	81.066089	29.506681	15.302	47.76107201	38.4	1.364193036
19/01/2015	13:19:42	81.071582	29.501595	15.714	53.73006607	43.6	1.589903872
19/01/2015	14:20:49	81.018986	29.424884	14.985	70.20954351	45.7	2.331415815
19/01/2015	19:01:57	81.015283	29.422355	14.932	77.74895498	62.9	2.506938434
19/01/2015	19:24:42	81.010864	29.429405	13.639	73.47006193	51.6	0.23083379
20/01/2015	06:21:55	81.007381	29.435136	15.755	56.88382899	45.9	1.58202467
20/01/2015	12:38:43	81.041992	29.544419	17.305	96.3568887	79.6	1.600429606
22/01/2015	03:42:34	81.035457	29.330151	13.592	204.883113	142.2	3.994676812
22/01/2015	03:44:58	81.033854	29.335116	11.656	190.5517253	138	2.650874141
22/01/2015	03:48:43	81.029769	29.337142	14.413	224.0327208	182.1	2.166745854
22/01/2015	04:00:19	81.027816	29.339821	14.675	250.1338042	192.6	1.350486623
22/01/2015	05:18:20	81.034717	29.33598	13.202	208.2736661	162.4	2.044188307
22/01/2015	06:42:29	81.029932	29.334369	13.225	245.651725	177.9	1.157532519
22/01/2015	08:28:49	81.035425	29.329553	10.937	193.3374252	124.4	1.385538948
22/01/2015	12:18:11	81.015023	29.430233	14.676	75.06224084	45.5	0.969019588
22/01/2015	13:09:39	81.032723	29.330096	9.865	209.4157826	162.9	0.785737038
22/01/2015	14:38:30	81.022998	29.33456	13.722	200.9025883	140.4	1.832078929
22/01/2015	15:05:31	81.067521	29.509202	14.829	72.36442496	59	0.477364237
22/01/2015	15:25:28	81.025529	29.332587	10.499	276.6262822	196.9	0.945261094
22/01/2015	16:03:58	81.028288	29.32972	11.213	213.7584852	151	0.79196645
22/01/2015	16:45:49	81.03055	29.333362	12.661	203.7093272	154.3	0.884420744
22/01/2015	17:15:26	81.033797	29.338295	14.03	205.2736953	145.5	1.163072634
22/01/2015	18:22:45	81.026367	29.341538	14.699	202.0624161	164.1	1.072979082
22/01/2015	18:30:24	81.030461	29.324497	12.267	182.8518799	138.4	2.177813788
22/01/2015	18:37:43	81.026221	29.338784	14.775	214.3056695	162.6	0.756423369
22/01/2015	19:45:19	81.03007	29.329132	14.196	157.4102919	121.4	2.252001392
22/01/2015	20:12:26	81.031462	29.34294	13.596	166.1417467	110.8	0.951500504

22/01/2015	20:20:26	81.029574	29.331472	12.289	222.6887065	164.5	0.890346604
22/01/2015	21:18:55	81.030461	29.323657	12.052	242.7238142	196.2	0.876422605
22/01/2015	22:13:35	81.020776	29.337042	13.416	206.9493175	155.9	1.12147144
22/01/2015	22:23:08	81.026449	29.326605	11.309	278.1753763	237.7	1.917680141
22/01/2015	22:25:27	81.024227	29.336902	12.424	192.2502536	142	0.820873097
22/01/2015	22:28:12	81.022656	29.338352	13.145	201.2624655	156.7	0.662766304
22/01/2015	22:29:47	81.026668	29.333793	11.053	236.7336267	190.9	0.555705328
22/01/2015	22:34:21	81.027409	29.338576	14.568	212.082649	170.3	1.09590792
22/01/2015	22:57:53	81.029631	29.331201	13.319	169.6751308	114.3	1.273218083
23/01/2015	00:40:44	81.029297	29.327883	13.887	199.6515465	145.7	2.370667016
23/01/2015	01:23:46	81.029891	29.334316	14.958	197.2852757	146.8	2.105058359
23/01/2015	01:32:21	81.035148	29.334387	14.164	208.0256955	169	1.770339647
23/01/2015	01:47:17	81.027507	29.334843	13.681	236.7837832	176	1.743322493
23/01/2015	01:47:50	81.027507	29.334253	14.834	208.7667598	166	1.848573246
23/01/2015	07:37:34	81.028483	29.329045	13.517	179.9776931	129.1	1.448513175
23/01/2015	07:44:01	81.025911	29.332361	11.176	194.5609416	146	1.583731974
23/01/2015	09:13:16	81.034733	29.32856	10.914	184.6571147	136.1	1.283052559
23/01/2015	09:16:34	81.036222	29.324441	11.251	297.1278513	236.4	2.153806424
23/01/2015	09:29:36	81.012712	29.331649	13.764	216.812269	151.6	1.990437657
23/01/2015	09:52:39	81.028768	29.342145	15.26	227.3266592	182.9	0.968846079
23/01/2015	09:55:36	81.012459	29.342763	14.988	264.6003212	175.3	1.320867251
23/01/2015	10:11:14	81.036849	29.324976	11.431	177.0482985	129.9	1.943227136
23/01/2015	11:23:43	81.034041	29.330353	11.562	318.1804519	237.8	1.152937643
23/01/2015	15:44:40	81.018587	29.339742	14.801	187.7791256	148.6	1.596034567
23/01/2015	17:03:43	81.023145	29.336296	15.152	196.4247693	152.5	1.784378866
23/01/2015	18:37:22	81.036816	29.332591	13.073	189.4066789	138.5	1.493179838
23/01/2015	23:37:22	81.026221	29.336863	14.723	157.9929429	122.4	1.27211772
24/01/2015	00:53:04	81.027287	29.32491	12.895	222.046932	185	2.85772616
24/01/2015	00:55:56	81.030656	29.32841	11.408	235.5741285	186.9	1.185079355
24/01/2015	01:27:16	81.03064	29.330278	12.027	206.1496786	128.5	1.017784182
24/01/2015	02:32:10	81.029736	29.341982	15.111	427.977219	376.5	0.853369285
24/01/2015	05:55:18	81.035872	29.320801	12.91	210.34524	138.4	3.164135299
24/01/2015	08:28:36	81.032853	29.33455	11.841	225.8361574	171.1	1.152899388
24/01/2015	11:00:20	81.027677	29.329816	12.355	184.9366648	141.9	1.46422737
24/01/2015	13:35:43	81.027132	29.332338	10.903	239.9424306	171.9	0.961500012
24/01/2015	15:13:50	81.032894	29.333565	12.615	196.7470711	143.5	0.829538281
24/01/2015	16:10:23	81.031828	29.332391	10.93	207.6258173	144.8	0.579978168
24/01/2015	17:01:34	81.028979	29.329458	11.249	196.1832817	141.2	1.095848481
24/01/2015	17:51:53	81.034855	29.341766	13.16	218.4295081	165.2	0.95162089
24/01/2015	18:23:30	81.034928	29.338841	13.42	300.8615795	228	0.566061145
24/01/2015	19:23:40	81.037817	29.33033	10.817	185.8973911	135	1.327050604
24/01/2015	19:38:49	81.034188	29.334159	13.242	195.0182043	130.3	0.908364166
24/01/2015	20:11:56	81.064502	29.50944	15.395	107.0998133	86.9	0.930925315
24/01/2015	21:17:33	81.033455	29.334963	13.759	182.7737673	140	1.336178001
24/01/2015	21:27:07	81.034749	29.333972	12.234	185.9338054	139.7	0.947199198

24/01/2015	21:29:03	81.034237	29.333443	13.848	206.7929641	168.2	2.367702808
24/01/2015	21:36:51	81.036808	29.331281	11.467	167.0045808	112.2	0.940337995
24/01/2015	21:37:57	81.050049	29.519963	15.984	67.24856876	52.6	0.513971174
24/01/2015	21:51:24	81.028947	29.331179	15.057	194.944428	159.7	1.910848888
24/01/2015	21:54:08	81.036475	29.333952	11.558	238.3800537	166.7	1.070774107
24/01/2015	22:14:49	81.032243	29.334959	14.353	214.1036431	168.1	1.607342637
24/01/2015	22:45:03	81.047656	29.50894	15.567	75.49543033	63	0.26004094
24/01/2015	23:49:26	81.034416	29.326121	12.306	178.6237666	142.2	2.052995061
25/01/2015	00:04:00	81.024455	29.335264	14.963	181.3994487	124	1.392304451
25/01/2015	00:10:20	81.030754	29.332908	12.74	230.1375241	185.8	1.26840774
25/01/2015	00:32:30	81.049259	29.520732	16.146	63.122896	51.5	0.777800572
25/01/2015	00:39:40	81.074544	29.506714	15.463	68.88962186	56.3	0.994234388
25/01/2015	02:20:14	81.022233	29.336595	13.916	198.3494391	144.1	1.315582976
25/01/2015	02:27:13	81.027124	29.326062	14.784	186.9806675	147.9	2.926188063
25/01/2015	02:31:10	81.027295	29.335433	14.149	226.5790149	173.1	1.770189324
25/01/2015	02:32:17	81.020703	29.343705	15.941	215.4662387	163.7	1.568732055
25/01/2015	02:56:46	81.026367	29.328412	12.864	186.5035388	139.4	1.813510024
25/01/2015	02:57:58	81.033219	29.336568	13.688	239.3747272	182.5	1.224891518
25/01/2015	03:37:23	81.028581	29.33938	15.075	208.6207324	143	1.373028813
25/01/2015	04:10:45	81.024609	29.33315	15.135	197.2955144	160.6	2.011978392
25/01/2015	06:39:59	81.025098	29.338556	14.203	181.6222453	131	1.0383991
25/01/2015	06:49:13	81.029289	29.330074	12.568	190.9034573	138.2	1.828086965
25/01/2015	07:00:47	81.03304	29.32667	12.975	183.2290643	144	2.61097962
25/01/2015	07:05:50	81.031917	29.333929	12.899	232.3447439	154.2	0.89354667
25/01/2015	07:20:10	81.033057	29.328005	11.508	200.8639589	150.7	1.109916732
25/01/2015	07:42:28	81.03335	29.330876	12.458	159.3893974	119.3	1.63923446
25/01/2015	07:55:51	81.031698	29.335315	14.783	210.6856663	151.8	1.671678625
25/01/2015	08:03:24	81.039437	29.324229	10.211	344.7835553	288.3	1.289274979
25/01/2015	08:26:01	81.02793	29.328522	12.293	184.7128041	135.9	1.580498005
25/01/2015	08:48:56	81.032121	29.338865	14.37	194.6257948	145.2	1.468346759
25/01/2015	08:57:14	81.03234	29.334066	10.304	266.6971316	210	0.748274608
25/01/2015	09:46:18	81.031055	29.331453	14.073	214.4004198	152.7	1.624532556
25/01/2015	10:22:46	81.029102	29.325458	13.322	196.7705517	154.7	2.247989232
25/01/2015	11:49:48	81.030298	29.337634	14.488	277.6439446	223	1.075851735
25/01/2015	12:57:51	81.033374	29.332157	14.387	199.2827639	138.9	2.417283633
25/01/2015	13:01:35	81.033455	29.338281	13.901	226.7199374	177.7	1.001140646
25/01/2015	13:23:33	81.034139	29.340767	12.964	226.0115484	147.9	0.830400696
25/01/2015	13:26:45	81.034041	29.334184	13.591	209.0576954	165.6	1.521855683
25/01/2015	14:23:10	81.028044	29.333736	14.45	164.014664	118.4	2.857029862
25/01/2015	14:53:35	81.027303	29.337335	15.1	167.3898444	124.4	1.039222124
25/01/2015	15:09:03	81.02915	29.328739	12.758	187.2244909	141.5	2.234901908
25/01/2015	15:19:02	81.03042	29.349412	15.396	271.7016378	213.3	0.876083771
25/01/2015	15:21:05	81.031771	29.331856	14.389	172.3791461	127.6	1.568376817
25/01/2015	15:36:13	81.032992	29.333445	12.562	228.7749112	157	1.486788192
25/01/2015	15:38:04	81.027189	29.33076	13.42	181.5362223	132.4	1.708191782

25/01/2015	16:31:36	81.04563	29.518355	15.463	70.79505632	57.5	0.767324304
25/01/2015	16:49:39	81.028052	29.341608	13.545	229.1162369	187.2	0.698645125
25/01/2015	16:59:59	81.024512	29.336572	14.338	214.5658174	170.7	0.869673681
25/01/2015	18:37:34	81.025667	29.34873	15.217	267.5212515	220.9	1.03176064
25/01/2015	19:56:20	81.037101	29.329816	12.378	186.3758032	141.5	1.571443766
25/01/2015	20:17:38	81.02509	29.338949	15.83	212.4023776	180.1	2.298654019
26/01/2015	02:11:30	81.026815	29.332324	15.036	174.3993406	136.3	2.039251665
26/01/2015	02:13:28	81.034595	29.335315	9.897	298.4564457	228.5	0.852485961
26/01/2015	02:31:25	81.028516	29.325639	14.581	186.0342173	145.2	2.931452652
26/01/2015	02:44:52	81.025	29.336216	15.474	223.0560468	181.4	1.489948127
26/01/2015	03:01:55	81.027458	29.331645	13.857	210.1476862	161.8	1.343205409
26/01/2015	03:18:04	81.026872	29.334625	14.358	208.1684895	165.4	1.092726177
26/01/2015	04:13:19	81.033008	29.329183	12.78	199.880064	152	2.705023064
26/01/2015	04:20:18	81.0337	29.331199	13.541	173.9420881	126.3	2.291761218
26/01/2015	04:35:23	81.033276	29.336473	13.873	208.4558466	147	1.211082678
26/01/2015	04:38:17	81.030396	29.334017	13.085	253.3717032	215.1	0.91238634
26/01/2015	04:48:17	81.028475	29.33173	12.673	255.4779247	180.4	0.868964098
26/01/2015	06:09:22	81.027116	29.329978	15.16	210.3019258	177.3	2.528753228
26/01/2015	06:24:29	81.0354	29.333934	13.305	198.710971	150.2	2.133433365
26/01/2015	07:14:22	81.023918	29.329289	12.181	275.1450708	200.9	0.862811575
26/01/2015	07:28:17	81.031152	29.32757	13.184	175.5	140.4	2.67043019
26/01/2015	07:49:53	81.029207	29.32583	13.016	194.8579226	145.6	2.433650338
26/01/2015	07:51:38	81.029215	29.33383	13.776	180.1069127	136.5	1.830185797
26/01/2015	08:08:44	81.032015	29.341595	14.576	290.4509941	246.7	1.235790785
26/01/2015	08:13:14	81.036776	29.316992	7.803	506.0838369	359.8	1.019853021
26/01/2015	08:23:04	81.031128	29.324622	10.631	362.9852476	253.5	0.89461021
26/01/2015	08:35:31	81.031291	29.333734	12.803	188.6899308	147	1.457536694
26/01/2015	08:44:58	81.021737	29.334599	14.253	253.5883672	204.1	0.92338487
26/01/2015	08:49:29	81.028516	29.345028	15.743	241.150762	198.8	1.122441612
26/01/2015	09:58:06	81.027205	29.328459	11.979	200.5080048	163.9	1.359943687
26/01/2015	11:07:46	81.026644	29.323492	14.116	212.587041	181	3.4079289
26/01/2015	11:14:33	81.023763	29.332391	14.501	198.7713511	139.7	1.671941903
26/01/2015	11:17:09	81.027987	29.333527	14.961	244.1683436	184.7	1.531351245
26/01/2015	11:18:57	81.031185	29.336869	13.756	255.4169924	179	0.957032453
26/01/2015	11:33:16	81.027246	29.327012	12.739	183.58257	128	1.941623729
26/01/2015	11:34:18	81.024894	29.335938	15.272	210.758867	166.9	1.859987585
26/01/2015	11:39:31	81.02832	29.326693	12.473	212.4907763	168.7	1.851955526
26/01/2015	11:41:57	81.027694	29.330741	13.599	174.8284874	129	1.86891298
26/01/2015	12:12:14	81.03383	29.332845	13.105	214.5468946	170.6	1.000626291
26/01/2015	12:21:23	81.030396	29.33408	13.39	166.7387178	124.6	1.810493525
26/01/2015	12:35:28	81.028076	29.336149	14.675	196.4863863	135.7	0.991831609
26/01/2015	12:39:58	81.024211	29.330324	14.74	178.0998596	133.4	2.329962906
26/01/2015	12:53:36	81.033903	29.331586	12.661	206.1707302	134.1	1.137402491
26/01/2015	13:05:09	81.023633	29.333628	15.079	202.362373	161.3	1.738986472
26/01/2015	13:18:54	81.072827	29.502153	15.208	86.20469825	69.5	0.798041369

26/01/2015	13:20:53	81.023584	29.332568	15.458	264.69864	189.9	1.149881704
26/01/2015	13:29:00	81.022469	29.333197	14.079	264.9075688	214.9	0.729927975
26/01/2015	13:36:23	81.033268	29.324341	13.079	213.7082357	158	1.838767385
26/01/2015	13:51:02	81.030754	29.334066	13.777	167.0478973	131.2	1.697692541
26/01/2015	13:59:34	81.027157	29.342454	14.053	195.8979326	150	1.173323177
26/01/2015	14:19:08	81.030802	29.334528	11.485	207.0056279	155.8	0.649297704
26/01/2015	14:35:17	81.026554	29.336312	13.851	183.3982006	143.9	1.211987941
26/01/2015	15:53:23	81.028996	29.328864	13.81	194.0998197	143.5	2.320456113
26/01/2015	17:23:01	81.034937	29.344753	13.737	213.4756426	151.1	0.867738258
26/01/2015	17:28:29	81.031771	29.329287	13.939	177.9431932	128.3	2.180383528
26/01/2015	17:31:24	81.034505	29.333413	12.434	203.0064531	136.9	0.978716826
26/01/2015	17:40:57	81.039258	29.329313	10.041	249.272	174.2	0.863490084
26/01/2015	17:49:11	81.032739	29.327386	12.973	196.8594676	147.3	1.744409004
26/01/2015	17:50:50	81.03125	29.328532	11.449	180.635434	130.4	1.590607985
26/01/2015	18:18:58	81.037679	29.333626	11.242	214.634876	154.2	1.333015758
26/01/2015	19:04:19	81.033301	29.331761	12.377	184.0997827	140.3	1.290749036
26/01/2015	19:07:59	81.028833	29.337579	14.87	188.0745065	144.9	0.99588678
26/01/2015	20:07:21	81.032601	29.329685	12.555	173.6002592	132.3	1.746507562
26/01/2015	20:38:46	81.028377	29.346608	13.457	215.1522717	141.7	0.617985248
26/01/2015	20:46:21	81.028223	29.335012	15.03	203.5383993	167.8	1.656920307
26/01/2015	21:01:19	81.027677	29.337231	13.922	243.6796463	185.6	0.734315809
26/01/2015	21:21:18	81.032194	29.326296	13.284	216.4628606	137.6	1.94233498
26/01/2015	22:10:48	81.030599	29.342631	13.542	271.9710463	207.6	0.593048483
26/01/2015	22:30:52	81.033797	29.329531	12.461	186.5261376	140.4	1.432940587
26/01/2015	22:46:58	81.028866	29.339589	13.709	258.3060201	211	1.003031664
27/01/2015	00:33:46	81.034652	29.328894	12.501	162.9402958	126.5	1.483217172
27/01/2015	01:04:00	81.035083	29.335714	12.628	255.3778573	206.1	1.25876105
27/01/2015	01:22:14	81.033659	29.33075	11.821	186.9804535	128	1.373091929
27/01/2015	02:37:11	81.025594	29.360278	16.922	387.8137311	288.2	0.751028235
27/01/2015	02:44:06	81.029606	29.342354	14.497	199.7681907	142.7	0.996589505
27/01/2015	03:45:08	81.027214	29.33441	13.275	245.5412389	193.7	0.84949362
27/01/2015	04:31:02	81.036003	29.331093	13.903	176.5404486	129.3	2.137517516
27/01/2015	04:37:46	81.039673	29.32511	10.304	247.9828421	209.3	1.108145324
27/01/2015	07:06:21	81.029557	29.339917	15.006	176.7011602	133.9	1.438102374
27/01/2015	07:19:57	81.02002	29.332981	14.383	189.668553	143	2.565000755
27/01/2015	07:59:36	81.038753	29.320138	9.5	323.7611002	266.6	1.472613692
27/01/2015	10:09:49	81.035604	29.31818	9.343	294.6093176	229.2	1.650904652
27/01/2015	13:21:54	81.017057	29.426931	15.19	50.18814601	33.8	1.692808011
27/01/2015	13:24:13	81.017253	29.423499	14.24	98.64527358	78.3	0.376410297
27/01/2015	14:15:59	81.026717	29.337624	13.84	221.4760032	155.1	0.970309086
27/01/2015	15:16:39	81.033813	29.325966	12.512	200.4923191	144.1	3.2154948
27/01/2015	15:47:50	81.030851	29.337724	14.398	213.2616234	164.6	1.002488127
27/01/2015	16:27:13	81.03741	29.331325	12.785	181.4169231	147.3	1.84087799
27/01/2015	17:21:27	81.038013	29.332859	13.556	195.6632055	139.5	1.765856607
27/01/2015	17:29:26	81.033716	29.329728	12.024	239.2042015	178.8	1.627619031

27/01/2015	17:45:32	81.033016	29.327572	11.221	267.4630629	213.2	0.727093548
27/01/2015	23:30:54	81.028052	29.345321	14.767	202.7704614	148.1	0.744764117
28/01/2015	00:45:45	81.037199	29.340983	13.949	223.1092333	155.8	1.030916696
28/01/2015	04:23:21	81.034049	29.318565	11.236	253.0488688	195.8	1.634496673
28/01/2015	04:56:59	81.031755	29.326851	12.071	344.5830669	241.8	1.117235978
28/01/2015	05:14:10	81.029045	29.329429	14.031	159.9890621	120.1	2.532456488
28/01/2015	06:51:04	81.027303	29.340027	13.252	269.3796206	212.7	1.041916843
28/01/2015	09:13:47	81.029549	29.326725	12.643	233.7701649	185.7	1.634267356
28/01/2015	09:25:33	81.036255	29.331289	12.011	176.3724752	113.5	1.26884411
28/01/2015	11:24:11	81.026538	29.335954	13.292	217.8843042	169.1	1.571297669
28/01/2015	13:40:37	81.028394	29.331944	12.115	211.8410961	159.6	1.511128398
28/01/2015	14:11:41	81.025358	29.332922	14.911	172.4588357	133.4	1.548294356
28/01/2015	14:38:31	81.031852	29.323083	12.388	180.0840082	140.7	2.508698659
28/01/2015	14:44:45	81.029858	29.334035	14.201	178.299327	131.6	1.595780584
28/01/2015	14:52:27	81.031844	29.328377	12.863	225.8966357	164.8	2.176921353
28/01/2015	15:01:59	81.027555	29.340289	15.084	261.2209027	203	0.682555819
28/01/2015	15:22:11	81.022811	29.349396	15.896	269.1175394	199.7	0.759649444
28/01/2015	17:41:37	81.02277	29.343805	13.874	223.8717713	183.6	1.207320326
28/01/2015	19:07:36	81.029753	29.33299	13.504	206.4597782	140.8	0.944817829
28/01/2015	21:38:11	81.021655	29.349237	15.162	695.3864249	488.2	0.748578732
28/01/2015	22:00:47	81.02985	29.323926	14.245	206.0116744	158.5	2.827335396
28/01/2015	22:05:21	81.028581	29.330062	14.963	204.4783118	159.7	2.165410689
28/01/2015	22:06:07	81.028678	29.329952	15.12	199.9361148	162.2	2.320515461
28/01/2015	22:13:26	81.030241	29.331893	14.3	176.085661	133	1.771205078
28/01/2015	22:14:34	81.02915	29.328487	14.038	185.143971	139	2.038887969
28/01/2015	22:16:26	81.032967	29.325716	12.099	189.4287465	141	1.981850971
28/01/2015	22:29:03	81.026839	29.33704	14.602	212.5308448	175	1.187112929
28/01/2015	22:30:08	81.026237	29.332275	15.617	216.0209481	173.2	1.903642715
28/01/2015	22:36:22	81.025163	29.333504	15.818	205.7694098	169.2	1.736026998
28/01/2015	22:39:10	81.031925	29.329541	11.624	201.8817723	143.5	1.293339611
28/01/2015	23:03:34	81.026864	29.334788	15.557	256.2836319	223.9	1.427860303
28/01/2015	23:16:46	81.029891	29.328389	14.209	171.7234113	127.8	1.905413855
28/01/2015	23:48:40	81.030111	29.325262	14.314	178.1673651	143.5	2.562723963
29/01/2015	00:01:35	81.029932	29.326031	13.804	184.0869631	137.5	2.178608033
29/01/2015	00:14:21	81.027979	29.322852	12.133	316.5235694	266.1	0.631987886
29/01/2015	00:51:25	81.030062	29.329616	14.534	190.5080051	146.9	1.40492646
29/01/2015	01:24:49	81.022135	29.327775	11.754	279.1313848	217.3	1.18318517
29/01/2015	01:37:36	81.031299	29.329492	13.239	226.265552	183.7	1.311636155
29/01/2015	01:40:26	81.032104	29.325909	13.494	179.2379982	144.9	1.985512192
29/01/2015	01:44:22	81.023633	29.339396	16.076	238.4492609	197.1	1.53710956
29/01/2015	03:40:40	81.028491	29.33327	13.585	204.2963534	156.6	1.461795686
29/01/2015	09:51:53	81.027222	29.34186	14.162	239.4625858	182.7	0.973977712
29/01/2015	10:07:30	81.031958	29.329368	12.36	201.5997272	141.7	1.3674508
29/01/2015	14:18:41	81.027604	29.340226	13.405	264.8390077	182.1	0.849072743
29/01/2015	17:17:22	81.021729	29.33752	12.183	206.8430323	164.8	1.017212161

29/01/2015	18:52:06	81.029142	29.34175	13.918	224.397705	164.8	0.971759879
29/01/2015	22:23:51	81.02041	29.336991	14.119	216.6835481	172.6	1.140323469
29/01/2015	23:40:31	81.02701	29.338668	13.944	213.9256179	148.9	0.768332471
30/01/2015	00:11:02	81.031242	29.333246	13.379	174.4054185	127.5	1.145355357
30/01/2015	01:31:08	81.031787	29.333577	12.922	217.1926334	160.8	0.970884204
30/01/2015	01:54:34	81.032674	29.337022	13.252	188.0093615	144.4	1.783479573
30/01/2015	07:18:04	81.027734	29.326534	11.915	423.8059108	345.6	0.839734554
31/01/2015	05:53:21	81.290267	29.392877	15.978	244.3054031	172.7	0.954387703
31/01/2015	12:22:00	81.051766	29.511965	15.773	56.52548098	46.8	1.547422089
31/01/2015	19:52:07	81.073161	29.502814	15.098	49.14977111	39.9	0.515171389
31/01/2015	20:38:21	81.07207	29.502909	15.282	52.38415791	42.3	0.370683749
01/02/2015	00:28:57	81.051351	29.511043	15.821	59.82457689	48.3	1.090957928
01/02/2015	07:15:40	81.024715	29.331746	11.876	248.671852	201.3	1.416760181
01/02/2015	17:09:36	81.030697	29.335278	14.687	190.2827633	134.3	1.081485029
01/02/2015	17:17:35	81.291593	29.38759	17.715	292.104228	194.2	2.354764006
01/02/2015	18:15:45	81.292448	29.395632	14.372	255.2731087	146	0.677234744
01/02/2015	18:18:34	81.298177	29.394165	14.233	317.0958215	197.6	0.62383813
01/02/2015	20:06:41	81.037337	29.346356	12.582	219.6241562	151.4	0.959073447
02/02/2015	04:51:03	81.038102	29.32818	12.411	184.5453874	137.4	1.772774185
02/02/2015	16:45:30	81.323478	29.438936	16.443	319.0743644	239.7	0.853773084
02/02/2015	17:19:04	81.328166	29.438981	17.911	468.7062406	327.3	0.75172352
03/02/2015	05:31:42	81.032845	29.329	12.531	272.4898714	208.7	1.938683137
03/02/2015	09:15:35	81.026164	29.348499	16.489	246.8053889	195.3	1.274268372
04/02/2015	09:00:10	81.033716	29.335067	12.554	203.1451944	153.9	1.381293259
04/02/2015	18:07:46	81.035075	29.334314	13.399	179.5484336	130.8	1.692343718
04/02/2015	23:10:30	81.0705	29.503558	15.514	56.78741058	44	1.496236333
04/02/2015	23:21:53	81.070736	29.505524	14.917	60.05239379	47.3	0.625407506
05/02/2015	07:47:18	81.069393	29.508012	15.179	63.41293244	53.4	0.70731213
05/02/2015	19:06:52	81.073185	29.507005	15.361	71.05948213	58.8	0.309627863
05/02/2015	22:54:29	81.072046	29.507139	15.406	55.44772313	45.7	1.27698642
06/02/2015	00:13:12	81.025326	29.334898	11.913	223.7998436	157.9	0.854366185
06/02/2015	20:34:06	81.032772	29.339486	12.565	201.3194725	147.7	0.92095648
08/02/2015	16:32:33	81.035107	29.474357	11.469	132.281707	108.2	0.190050482
08/02/2015	17:12:09	81.043001	29.469299	14.345	106.2532823	86	0.155262995
08/02/2015	20:46:23	81.032633	29.32936	13.067	224.9376136	160.3	2.409109518
08/02/2015	20:47:35	81.033813	29.331767	12.741	177.8089424	117.9	1.910535366
09/02/2015	22:30:16	81.326318	29.439596	16.994	393.1101118	258	1.00498888
09/02/2015	22:52:30	81.326131	29.439166	16.608	325.7351378	202.3	0.874125876
09/02/2015	23:00:39	81.021305	29.344145	13.904	214.6155866	164.7	1.130883717
10/02/2015	01:47:05	81.325944	29.439842	17.069	273.3055616	194.8	1.239842782
10/02/2015	13:16:53	81.044271	29.463745	10.051	205.7310866	189.2	0.733857286
10/02/2015	16:05:17	81.24021	29.458114	16.457	462.9693834	363.2	0.917048896
11/02/2015	00:49:18	81.295052	29.389813	13.612	354.6299762	214.9	0.64794749
11/02/2015	09:24:35	81.068896	29.503188	15.336	56.16012821	45	1.189637266
11/02/2015	09:36:30	81.066895	29.505062	15.573	61.35511389	50.6	1.563326715

11/02/2015	09:38:40	81.061963	29.510897	15.085	67.32428982	53.4	0.97076976
12/02/2015	19:10:43	81.064095	29.509617	16.069	80.44532305	62.7	0.956346173
12/02/2015	19:38:29	81.064819	29.507231	15.505	73.39877383	59.7	1.06362126
13/02/2015	14:52:15	81.033708	29.331824	12.747	198.5414063	137	1.26443664
13/02/2015	22:08:26	81.055868	29.466111	10.821	156.40617	136.7	0.529161679
14/02/2015	00:23:14	81.039136	29.335325	12.765	214.7854976	161.5	1.074840716
14/02/2015	03:09:38	81.03055	29.324266	11.332	264.6784653	203.7	1.44762869
15/02/2015	09:59:12	81.287354	29.395748	16.097	306.2489347	240.5	0.858332535
16/02/2015	06:23:29	81.06141	29.520127	16.343	65.01576732	55.6	1.244904496
16/02/2015	13:46:00	81.030729	29.338735	14.165	245.8332158	192.1	1.003629403
16/02/2015	17:28:48	81.015373	29.434967	14.963	58.01939331	45.5	0.865466441
16/02/2015	21:34:21	81.072388	29.502641	15.297	59.46040699	47.7	0.836961715
16/02/2015	22:32:20	81.071932	29.503648	16.01	54.82663586	41	1.789591794
16/02/2015	22:36:15	81.071932	29.502179	15.357	52.14259295	41.4	0.997645927
16/02/2015	22:55:46	81.061418	29.521767	16.554	69.5414265	58.5	1.470230038
17/02/2015	14:48:15	81.234782	29.455353	15.267	435.2555571	350.4	0.963689598
18/02/2015	00:53:39	81.031942	29.347646	13.791	373.9334834	238.5	0.468708794
18/02/2015	19:23:37	81.032072	29.345256	14.788	215.0279284	146.5	1.427922602
19/02/2015	14:14:09	81.076147	29.504303	15.673	79.31613959	64.4	1.451217768
19/02/2015	22:10:15	81.062923	29.520756	16.186	70.02292482	60	0.735406572
20/02/2015	05:42:30	81.031299	29.333252	14.179	250.8521676	215.5	2.458381675
20/02/2015	13:58:39	81.367847	29.445986	18.277	856.9716973	654.5	1.054468345
20/02/2015	17:07:46	81.017586	29.432074	14.633	65.59893292	54.1	0.682584379
21/02/2015	21:06:18	81.03855	29.329822	9.869	212.3033914	160.3	0.57857366
22/02/2015	02:12:04	81.037313	29.331602	11.629	184.5167201	141.1	2.100506368
22/02/2015	08:23:48	81.074561	29.505642	15.061	72.33982306	56.4	0.833373753
22/02/2015	08:32:56	81.075024	29.506242	15.704	84.78236845	69.4	1.226954925
22/02/2015	16:54:36	81.026709	29.330135	14.198	192.5497338	144.2	2.366218055
22/02/2015	20:43:58	81.086434	29.457155	10.437	117.5701067	79.3	0.744212482
23/02/2015	06:55:58	81.032406	29.324955	11.45	171.4960058	125.2	1.856721558
23/02/2015	10:42:16	81.031445	29.324471	11.86	197.5793765	153.5	1.927396786
24/02/2015	06:32:48	81.02561	29.335016	13.619	219.3044687	174.6	1.311097956
24/02/2015	13:16:18	81.018384	29.344106	13.184	213.0828243	160.2	0.806951968
24/02/2015	17:55:26	81.213379	29.425397	12.226	464.7438111	321.6	0.7065611
24/02/2015	18:46:51	81.033927	29.322972	11.307	256.2101676	178.6	0.705477327
24/02/2015	21:05:07	81.061296	29.521847	16.518	64.18792721	54	1.742496157
24/02/2015	21:06:08	81.060319	29.522239	16.521	76.56611522	64.6	1.434271839
24/02/2015	21:08:11	81.061149	29.521582	15.853	97.52148481	83	0.368391765
24/02/2015	21:22:13	81.061157	29.521466	16.513	63.52102014	53.4	1.662147773
24/02/2015	21:32:58	81.062931	29.512278	15.319	58.13639136	48	0.500580793
25/02/2015	06:02:14	81.025472	29.34209	14.053	211.8573341	158.3	0.984065047
25/02/2015	14:45:23	81.034188	29.324091	11.361	278.3691434	228.7	0.791115013
25/02/2015	15:49:48	81.018449	29.429586	14.701	53.00235844	42.1	0.774067653
25/02/2015	15:52:18	81.086914	29.459768	10.154	117.8657287	87.2	0.844692612
27/02/2015	20:02:19	81.031885	29.325702	14.351	178.8793169	123.4	1.950141665

27/02/2015	20:06:41	81.040356	29.322467	8.404	343.9840113	258.8	0.988231056
27/02/2015	20:14:57	81.030444	29.323875	13.579	174.5970504	138.2	2.071257722
27/02/2015	23:08:02	81.286051	29.394918	17.214	298.6621	239.6	1.560171421
01/03/2015	07:54:44	81.020337	29.423541	15.403	88.41832389	71.8	2.860363484
01/03/2015	10:48:34	81.025513	29.33406	11.147	271.4562396	223.2	1.069061305
01/03/2015	13:08:59	81.018213	29.427948	15.386	76.76594297	64.9	1.38386895
01/03/2015	16:05:25	81.01604	29.429716	15.126	86.19153091	70.7	0.879717106
01/03/2015	19:35:40	81.019189	29.426562	14.627	94.75489433	76.8	0.702281144
02/03/2015	06:30:03	81.059106	29.528514	7.079	225.7372366	178.1	0.629847962
03/03/2015	19:27:55	81.019507	29.423735	15.261	69.28001155	55.4	0.98743016
03/03/2015	23:36:25	81.022135	29.42073	15.358	57.42229532	43.4	0.742974043
05/03/2015	19:17:33	81.017407	29.430347	14.877	70.35566786	57.6	1.09894647
08/03/2015	15:47:21	81.034115	29.335848	12.211	216.1947502	144.4	1.162633505
12/03/2015	15:19:12	81.016406	29.435533	14.873	72.42547894	60.9	1.890982819
16/03/2015	17:26:53	80.950863	29.411399	12.628	111.2442808	80	0.923710754
16/03/2015	17:28:07	81.098088	29.497968	9.769	82.41365178	72	0.601582318
16/03/2015	19:13:15	80.950692	29.412331	12.611	124.6310555	85.9	0.646707218
16/03/2015	20:21:22	81.037354	29.339237	10.205	405.1923494	327.2	0.727592323
18/03/2015	08:47:39	81.095483	29.497514	9.887	84.19132972	73.7	1.160428439
18/03/2015	10:58:01	81.020638	29.423897	14.477	72.98890327	57.7	1.448009249
22/03/2015	04:23:39	81.031852	29.338306	14.348	257.2566812	209	1.58092204
24/03/2015	11:12:00	81.013875	29.355094	14.141	284.2934048	223.5	2.649853485
25/03/2015	16:45:07	81.037801	29.345603	13.039	242.8356852	192.6	0.91083096
27/03/2015	12:15:32	81.039176	29.321604	10.179	230.1570116	178.9	1.663450389
27/03/2015	22:34:18	81.036613	29.330817	11.637	310.3837141	264.2	0.868804514
28/03/2015	17:43:23	81.033049	29.338802	13.281	259.5063198	173.7	0.926576225
28/03/2015	17:52:41	81.032544	29.323383	14.735	218.61537	177.8	2.823597584
28/03/2015	18:05:35	81.037101	29.324109	11.382	297.5002521	194.4	0.921306275
28/03/2015	18:10:37	81.027254	29.319523	10.711	319.7262892	195.1	1.168886613
29/03/2015	00:46:08	81.034595	29.320418	11.083	253.6835233	195.8	1.420486207
31/03/2015	20:56:33	81.030705	29.340979	15.471	237.8971627	180.9	0.674922989
01/04/2015	01:48:50	81.032202	29.32266	12.472	202.6380024	131	1.952004172
01/04/2015	02:36:09	81.048551	29.525212	16.067	79.63039621	69.2	0.766016663
01/04/2015	14:08:43	81.038452	29.481972	15.149	85.81515018	71	0.373286338
04/04/2015	20:39:09	81.023657	29.338652	12.82	179.0251379	145	1.507828111
12/04/2015	20:29:08	81.012948	29.505581	17.856	139.3646297	120.1	1.223717933
16/04/2015	02:13:19	81.108244	29.505678	13.901	96.33275663	81.6	1.507217347
19/04/2015	14:23:32	80.951139	29.408689	12.748	147.7517174	95.9	1.115674089
26/04/2015	01:35:50	81.38033	29.40203	16.665	436.1119696	364.2	2.386715483
29/04/2015	19:29:16	81.037484	29.327212	9.628	292.5958475	231.3	1.012604019
09/05/2015	14:20:07	81.099422	29.49316	11.992	201.0691423	154.4	1.233559113
31/05/2015	07:55:01	81.017326	29.335734	13.396	221.2515537	150.8	2.575810077
03/06/2015	22:00:14	81.289518	29.362282	15.331	650.3805425	465.8	0.985807461
15/06/2015	23:41:29	81.028776	29.334086	12.194	231.2630537	188.2	1.886737192
18/06/2015	20:27:00	81.035286	29.326803	11.844	216.3253337	155.1	1.785068421

19/09/2015	16:36:56	81.032324	29.330314	15.11	251.5209932	214.1	2.214404119
19/09/2015	21:28:53	81.023153	29.33264	14.875	227.2855913	178.5	1.658950776
06/10/2015	18:15:47	81.037101	29.347038	14.585	294.7111467	192.1	1.03308073
08/10/2015	00:36:26	81.360856	29.418486	18.236	444.4204878	365.1	2.127491365

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742

Highlights

- First temporary seismological network in western Nepal resolves the local earthquakes hypocentres along the downdip end of locked segments of the Main Himalayan mega-Thrust (MHT).
- Clustered seismicity develops at the intersection between the megathrust and contacts between Lesser Himalayan tectonic slivers.
- Seismic swarms migrate at 50 m/day at the transition zone.
- The local earthquakes reveal ramps and flat geometry of the megathrust highlighting a new segmented fault model for West Nepal.

1 **TITLE: Lateral variations of the midcrustal seismicity in western Nepal:**
2 **seismotectonic implications**

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15 **Highlights**

16 - *First temporary seismological network in western Nepal resolves the local earthquakes*
17 *hypocentres along the downdip end of locked segments of the Main Himalayan mega-Thrust*
18 *(MHT).*

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20 *between Lesser Himalayan tectonic slivers.*

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23 *segmented fault model for West Nepal.*

24

25 **Abstract**

26 The midcrustal seismicity along the Himalayas depicts some lateral variations. This seismicity
27 is often related to stress build up, at depth, along the downdip extent of the fault segments
28 producing large and great earthquakes. To better characterize these variations, we deployed
29 the first temporary seismological network in West Nepal (HiKNet) as a complement to the
30 Nepalese national network. We used automatic picks, manually validated, to perform
31 absolute and relative location of the earthquakes. The resulting catalog contains 2190 local
32 events, shallow to midcrustal (8 – 16 km). The comparison between the seismicity and the
33 geologic balanced cross-sections shows that most earthquakes occur within the hanging wall
34 of the Main Himalayan Thrust fault nearby ramps or suspected contacts between Lesser
35 Himalayan slivers. Some of the events associated with these geological structures are
36 clustered within weeks-long earthquake swarms with seismic envelopes migrating at 35-50
37 m/day. These transients are possibly related to fluid migrations or geodetically unresolved
38 slow slip events. The lateral variations of some of the structures associated to this seismicity
39 are likely partially controlling the extent of the coseismic ruptures during intermediate
40 earthquakes that break partly the locked fault zone, in a similar way to what was reported
41 after the Mw7.8 2015 Gorkha-Nepal earthquake. A better characterization of the faults
42 segmentation, including a better location and extent of the seismogenic segments at depth,
43 is an important input for seismic hazard studies.

44

45

46 **1. Introduction**

47 Large and great earthquakes (respectively M7+ and M8+) often coexist along oceanic and
48 continental subduction zones, partially or totally rupturing the locked updip-end of the
49 megathrust fault systems. The endpoints of these earthquake ruptures can sometimes be
50 related to the presence of persistent rupture barriers, which prevent rupture from
51 propagating from one fault segment to another along the thrust fault system. The most
52 frequently invoked causes for their existence, along-strike and downdip, have been
53 associated to local mechanical properties or structural reasons. Indeed, some of these
54 barriers along oceanic subductions fall within regions of low interseismic coupling at the
55 periphery of locked fault patches (e.g. Prawirodirdjo et al., 2010; Métois et al., 2012 ; Saillard
56 et al., 2017), with a mechanical behavior that may reflect the influence of the thermal and
57 petrophysical structures (e.g. Satriano et al., 2014). They are also likely to be influenced by
58 the geometry of either the subducting slab and/or the overriding plate (e.g. Dominguez et
59 al., 1998; DeShon et al., 2005).

60 Despite the many studies conducted along strike in the Himalayas, the most iconic of the
61 continental subductions, the Main Himalayan Thrust (MHT) system segmentation remains
62 poorly understood. However, historical studies and paleoseismological surveys in central-
63 eastern Nepal revealed the coexistence of both large and great earthquakes, partially or
64 totally rupturing the ~90 km-long locked fault zone from its downdip end to the surface (e.g.
65 in Bollinger et al., 2016; Wesnousky et al., 2017). Furthermore, the presence of subducting
66 basement highs and basins, and lateral variations of the Lesser Himalaya structure and
67 exhumation, suggest the presence of a strong and persistent mechanical and structural
68 heterogeneities along the plate boundary (e.g. Bollinger et al., 2004; VanDerBeek et al.,

69 2016). Finally, the study of the 2015Mw7.8 Gorkha earthquake revealed that its rupture was
70 influenced by structural heterogeneities (Hubbard et al., 2016; Wang et al., 2017). Some of
71 these along-dip and along-strike MHT heterogeneities appear to be revealed by the close
72 examination of the midcrustal seismicity- produced during the interseismic and/or post-
73 seismic periods (Letort et al., 2016; Baillard et al., 2017; Hoste-Colomer et al., 2017). The
74 almost continuous midcrustal seismicity belt described along the whole Himalayan range
75 (e.g. Pandey et al., 1995; Kumar et al. , 2006; DelaTorre et al., 2005 ; Monsalve et al., 2006 ;
76 Mahesh et al., 2013 ; Diehl et al., 2017), may therefore reveal other structural
77 heterogeneities and/or possible variations in stress build up. The region encompassing the
78 largest spatial variations is located in Western Nepal, in the supposed trace of the great
79 1505AD earthquake (e.g. Yule et al., 2006; Hossler et al., 2015; Bollinger et al., 2016), a
80 region that has never been monitored previously using a dense local seismological network.
81 The Birendranagar Regional Seismological Center (RSC), Surkhet, has been monitoring there
82 the seismicity since 1994 locating more than 20 000 local earthquakes with a network of up
83 to 9 stations (Figure 1). The midcrustal seismic pattern appears rather heterogeneous
84 (Pandey et al., 1999), the seismicity being distributed in a pitchfork shape with three
85 seismicity belts: Bajhang (west), North Karnali (northeast) and South Karnali (southeast)
86 (Figure 1). However, the relation between this seismicity and the local structures is unclear
87 because of the large uncertainties associated to the depth of the local earthquakes.

88 In order to better resolve the relation between the regional seismicity and the geological
89 structures, we deployed a temporary seismological network above the midcrustal seismic
90 clusters in Western Nepal for a period of two years. The records were processed using a
91 workflow including 1) automatic picking and primary locations, 2) manual picking
92 refinements and 3) double difference relocation. We then analysed the results and

93 confronted them to the geological structures. The spatio-temporal distribution of the
94 seismicity allows us to interpret the seismotectonic context and propose a segmentation
95 schema of West Nepal.

96 **2. The Himalaya Karnali Network (HiKNet)**

97 The Himalaya Karnali NETwork was deployed from November, 2014 to September, 2016
98 through Western Nepal. The network geometry was defined according to the distribution of
99 the seismicity and by maximizing logistic efficiency to install and revisit the remote sites
100 (Figure 1). The network was made of 15 seismic stations distributed in 3 sub-arrays with an
101 inter-stations distance set to the expected depth of the earthquakes (~10-20 km). This
102 condition was well respected for the western and southern belts. However, because of the
103 difficult accessibility to the northern area and the limited number of stations, we privileged a
104 group of 4 stations (MA10, GH25, SJ26, JL27) as close as possible to the seismicity of the
105 North Karnali seismicity belt as well as an additional station north (SM15) in order to enlarge
106 the aperture of the network. The network was composed of 8 Gralp CMG40 and 7 Lennartz
107 Le3D5s intermediate period seismometers, coupled to Nanometrics Taurus digitizers. The
108 instruments were protected from monsoon rain and animals (see monument details in
109 Hoste-Colomer, 2017). Sites of the stations were close to the bedrock, south orientated and
110 relatively far from local noise sources. Because telemetry was not an option given the
111 telecommunication availability in the remote regions covered by the network, the status of
112 the stations and the signals recorded were only known after revisits of the stations (3 revisits
113 were scheduled: April, 2015, October, 2015 and April, 2016 before dismantling). During the
114 first year, almost all stations recorded continuously during the dry season while 1/3 of them
115 failed after the first revisit or during the summer monsoon. The second year of deployment,

116 most of the stations recorded continuously even during the summer monsoon. Technically,
117 no major problems affected the stations (See Supplementary Material S1).

118 In this study we processed the data from December 1, 2014 and October 10, 2015
119 (Supplementary Figure S1). In addition to the signals acquired at the temporary stations, we
120 benefited from the data recorded at the seismic stations by the RSC permanent
121 seismological network for the same period of time. Combining both networks allowed us to
122 increase the number of stations to 24.

123 **3. Methods**

124 First, we pre-processed the seismic records with an automatic procedure applied using
125 Seiscomp3 developed by GEOFON program, Helmholtz Centre Potsdam, GFZ German
126 Research Centre for Geosciences and Gempa GmbH. We run Seiscomp3 using the off-line
127 mode. For this step we used LocSat locator and iasp91 velocity model within the workflow
128 described in Supplementary Material S2. The magnitude of the seismic events is the local
129 magnitude (M_L) obtained by measuring the maximum amplitude on the vertical component
130 (see Seiscomp3, 2013).

131 In order to refine the hypocenters within the seismic catalog, we revised manually the phase
132 picks and we relocated the events with the Hypo71 locator (Lee and Lahr, 1975) using the
133 local velocity model used at the Nepalese Regional Seismological Center (Pandey, 1985;
134 1995, See Table in supplementary data).

135 Earthquakes from the revised catalog appeared then to be locally spatially clustered (Figure
136 2). Earthquakes inside these clusters were further relocated using the double-difference
137 algorithm HypoDD (Waldhauser and Ellsworth, 2000).

138 The first step in the relative relocation is the selection of pairs of events at every station. We
139 select for Zone S and Zone W (Figure 2) pairs of events with a maximum hypocentral
140 distance of 5 km and a maximum number of neighbors per event of 10, limiting as much as
141 possible the pairs to the closest neighbors. Moreover, in order to define an event as a
142 neighbor, we set a minimum number of links of 12 for Zone W and 10 for Zone S (Figure 2).
143 These values are rather conservative. The set of stations taken into account also influences
144 the relocation process. Here we limited the distance between the event pair and the station
145 to 80 km in Zone W and 70 km in Zone S. These distances are suitable to focus on the data of
146 the closest stations and to keep a good azimuthal coverage of stations over an event pair.

147 The second step is the relocation itself. The same set of parameters was used for Zone W
148 and Zone S. We performed the relocation using P- and S-phases, the velocity model of
149 Pandey (1985), and we resolve the relative relocation using the LSQR inversion. We define
150 three sets of iterations described in Supplementary Material S2. Note that we relocated
151 individually each cluster.

152

153 **4. Results and Discussion**

154 **4.1. Characteristics of the seismicity catalog**

155 Among the 6500 earthquakes detected automatically between December 1, 2014 and
156 October 10, 2015, 2190 earthquakes reviewed manually fall in close proximity to the
157 network. The quality and density of the hypocenters are variable depending upon their
158 position within the seismic network. Indeed, the best located events and the highest rates of

159 events are in Zone W and Zone S, two regions with respectively 9 and 4 seismic stations
160 (Figure 2).

161 The magnitude M_L of the reviewed earthquakes ranges from 0.1 to 5.2, corresponding to
162 magnitude M_{LRSC} 1.0 and 5.5 of the RSC catalog (Supplementary Material S3). Among these
163 earthquakes, 93 % were associated to magnitudes $M_L \leq 2.0$ and are therefore smaller than
164 the completeness magnitude (M_c) of the RSC catalog (Pandey, 1999) which is $M_{LRSC} \sim 2.0$. The
165 histogram shows a maximum number of events $M_L \sim 1.0$, indicating that the M_c is larger or
166 equal to 1.0 (Figure 3). Moreover the Gutenberg-Richter (GR) distribution is linear from
167 $M_L = 4.4$ until $M_L = 1.4$ (Figure 3) where the curve presents a break-in-slope. Therefore we
168 estimate that the completeness magnitude of the catalog in M_L is approximately 1.4. The b-
169 value obtained for the entire catalog is 0.75 ± 0.05 (Figure 3), which is in the range of b-
170 value (0.75-0.95) previously obtained by Pandey et al., 1999 from the permanent western
171 network catalog.

172 **4.2. Lateral variations of the seismicity**

173 The spatial variations of the seismicity recorded during the first-year of the temporary
174 experiment include most of the spatial features revealed by the 30-years seismicity recorded
175 at the RSC network (Figure 1). Among them, the 'pitchfork geometry' of the midcrustal
176 seismicity clusters (Figure 2). It includes a main seismicity belt in Bajhang area which divides
177 eastward in two belts, in the river Karnali area. These two belts are labeled respectively
178 North and South Karnali seismicity belts.

179 During the first year of the temporary experiment, the Bajhang seismicity belt and the South
180 Karnali seismicity belt were particularly active, producing many well located events below
181 the network (Figure 2). These two seismicity belts show different characteristics, from their

182 position and extent along the Main Himalayan thrust fault to the depth of their events.
183 Indeed, the main seismicity belt in Bahjang area begins ~65 km north from the MFT and
184 extends northward over a mere 45 km spread (Figure 2). This seismicity belt appears
185 persistent, though dominated by the generation of a few seismic clusters (See section 4.5).
186 The hypocentral depths of the events fall within 10 and 18-20 km with an average around 13
187 km. The South Karnali seismicity is located significantly further south than the average
188 midcrustal seismic cluster, 40 km north from the MFT (20-30 km north from the MBT) and
189 extends northward only over a ~15 km-large region (Figure 2 and 4). The rate of earthquakes
190 is significantly lower than in the Bahjang belt, the seismicity appears sparser. Despite this
191 apparent discontinuity, its confrontation with the RSC catalog that covers the last 20 years,
192 suggests that this belt extends a parallel, a few kilometers south, from the trace of the
193 contact between the Dadeldhura klippe and the Lower Lesser Himalaya. The hypocentral
194 depths of the earthquakes there are significantly shallower with depths ranging from 8 to 15
195 km with an average around 10 km.

196 North of this southern Karnali seismicity belt, the network recorded few events within a 30-
197 40 km-wide region which separates it from a North Karnali region where the seismicity was
198 found more scattered and comprising no seismic clusters in the time period analyzed (Figure
199 2). Note that the completeness magnitude of the catalog in this region is higher ($M_c \sim 1.5$)
200 than in the regions previously described (see Supplementary Material S4). In addition, the
201 hypocenters are less resolved here due to a lower number of phases picked by events and a
202 larger azimuthal gap. Indeed, MA10, SM15, GH25, SJ26 and JL27 are further away from the
203 midcrustal cluster there than elsewhere within the seismic network (Figure 2). It is therefore
204 more difficult to characterize the geometry of this North Karnali seismicity belt with the data
205 available.

206 The first order spatial variations of the seismicity described above, from West to East, are
207 accompanied by significant variations of the surface geology. Indeed, the geological surveys
208 which contributed to map the area documented lateral variations of the exposure and
209 geometry of the Lesser and Greater Himalayan rocks (Figure 4) as well as variations of the
210 faults and geological structures affecting them (e.g. Amatya and Jnawali, 1994; Robinson et
211 al., 2006).

212 Epicenters are mostly located within zones where Lesser Himalayan rocks are exposed
213 (Figure 4). These zones specifically correspond to regions where antiformal stacks of Lesser
214 Himalayan slivers developed. Large klippen of Greater Himalayan rocks affinity – among
215 them the large Dadeldhura klippe - were preserved within large perched synclinoriums in
216 between these zones of prominent Lesser Himalayan antiforms.

217 We therefore focus on possible relations between the seismicity and both active and
218 inherited tectonic structures.

219 We document these relations hereafter through two cross-sections within the seismicity: a
220 western cross section through the Bahjang seismic cluster and a second cross section further
221 east, in the Karnali river area, through the Northern and Southern Karnali seismic clusters.
222 Both are confronted to the balanced cross sections of Robinson et al., 2006, deduced from
223 the surface geological and structural mapping.

224 **4.3. Seismicity and its relation with structures at depth, Western cross section**

225 The hypocenters projected on the western cross-section, through a 20 km-swath of the
226 seismicity crossing Chainpur-Bahjang (RB-RBB cross section Figure 4), fall between 9 and 18
227 km, at short distance from the MHT trace deduced from the balanced cross-sections (Figure

228 5). The depth is also similar to the ~15 km-deep Low Velocity Zone imaged from receiver
229 function analysis below Bajhang area, interpreted to coincide with the MHT shear zone at
230 depth (Subedi et al., 2018). Note that both observations on the depth of the MHT in the
231 region are similar but determined independently. The depth of the MHT along this section is
232 therefore estimated to be reliable.

233 Most of the hypocenters are spread over a distance of approximately 40 km falling mainly in
234 the vicinity of the lower decollement level of the MHT or at close distance within its hanging
235 wall (Figure 5). Indeed, the southern extent of this 40 km-long seismicity spread, composed
236 of more than 400 small earthquakes clustered within a 7 km-long region at midcrustal scale,
237 coincides with the presence of a ~5 km-high midcrustal ramp, which separates the main
238 upper and lower flats of the megathrust system (Robinson et al., 2006 ; figure 5).

239 Two smaller seismic clusters, incorporating respectively more than 100 and 300 events
240 within regions 1.5 and 3 km-long, located ~10 and 20 km northward, fall at the base of the
241 complex stack of Lesser Himalayan (LH) tectonic slivers. Their locations coincide with the
242 suspected position of contacts between the tectonic slivers of the hinterland dipping duplex,
243 which constitutes the main LH duplex of the balanced cross section (Figure 5a).

244 **4.4 Seismicity and its relation with the structures at depth, along an Eastern cross section** 245 **through the Karnali region**

246 As mentioned earlier, the seismicity eastward, in the river Karnali region, is different than
247 further west, in Bahjang area. The seismicity belt of the North Karnali region, poorly
248 represented in 2015 given the absence of intermediate events or seismic swarms, develops
249 110-160 km north from the MFT, below a northward embayment of the high topography.

250 The absence of dense seismic cluster developing there in 2015 as well as the uncertainties
251 associated to the hypocentral locations did not allow us to associate the seismicity to any
252 specific structures. However, the balanced cross-section proposed by Robinson et al., 2006
253 document the presence of a ramp, 120 km-north from the MFT, below a complex Lesser
254 Himalayan duplex which coincides approximately with the location of midcrustal North
255 Karnali hypocenters (Figure 5c).

256 Some of the events located by the temporary experiment could be related to the activation
257 of the ramp and or to seismicity located at the contact between LH tectonic slivers within at
258 least a section of the duplex that develops further North (Figure 5c). Some of the
259 intermediate earthquakes located there in the past where clearly thrust type events (e.g.
260 27/11/2001 mb5.5 and 5.3, source global CMT project), advocating for stress build up and
261 episodic ruptures on the Main Himalayan Thrust fault lower flat and/or the midcrustal ramp.
262 However, the northern part of this region, at least, presents also past earthquakes ruptures
263 on active transtensional faults that make the regional context rather complex (Nakata et al.,
264 1984; Murphy et al., 2014).

265 Southward, the downdip extent of the upper flat of the MHT, 85 to 110 km from the MFT,
266 was seismically quiescent in 2015. This observation confirms, at lower completeness
267 magnitude levels and with higher resolutions, the observations made by RSC (e.g. Pandey et
268 al., 1999) that this area was seismically quiescent – at least during the last 23 years covered
269 by the permanent network in the region.

270 Despite this quiescence, the South Karnali seismicity belt develops 40 km southward, less
271 than 30 km from the MBT. Further south, 3 clusters were documented in 2015. Two of them,
272 cluster KS for Kusapani and DK for Dailekh, are located within the 20 km-wide swath covered

273 by the Karnali cross section Figure 5c. They fall 12 km from each other and occurred at
274 similar distances from the leading-edge of the Dadeldhura Thrust sheet (Figure 5). On
275 average, the hypocenters of the Kusapani cluster were located 12.5 km-deep, 3 km deeper
276 than the earthquakes located below Dailekh (located 9 km-deep) (Figure 5). These
277 hypocentral depths are shallower and better constrained than the depths determined with
278 the permanent network for the southern Karnali belt. Indeed, four temporary seismic
279 stations were located above the two clusters, while the permanent network is not optimally
280 positioned for determining precisely the depth of the seismicity, the contributing stations to
281 the small earthquakes located in the south Karnali cluster being all positioned southward.

282 The relocated earthquake clusters fall within short distances from Robinson et al., 2006 Main
283 Himalayan Thrust upper decollement, with KS cluster slightly (3-4 km) in its footwall and DK
284 cluster on its main trace. These two clusters fall also below the main frontal antiformal stack
285 of LH rocks (Figure 5d). The northern limb of this antiform is the locus of a strong incision.
286 Harvey et al., 2015 described there a region of high denudation and mapped remnants of
287 uplifted flat surfaces (described at 3000-4000m) preserved northward on top of the
288 Dadeldhura klippe (Figure 5d). These observations complemented by the documentation of
289 strong incision along the northern rim of the Dadeldhura thrust sheet are consistent with the
290 present-day activity of a flat-ramp-flat-ramp-flat MHT at depth related to the recent
291 development of a young duplex horse 60 km from the MFT (Harvey et al., 2015).

292 The denudation of the reliefs at the southern rim of the Dadeldhura klippe documented by
293 Harvey et al., 2015 is focused slightly north of the KS and DK clusters epicenters (Figure 5).
294 The clusters fall also in between the southern rim of the Dadeldhura klippe to the north and
295 the axis of an anticlinal fold to the south (Amatya and Jnawali, 1994). This anticlinal fold is

296 mapped precisely between Kusapani and Dailekh clusters, an area along which this anticlinal
297 is prominent (Figure 5). This anticlinal and the young duplex horse that is suspected beneath
298 this area may develop above a local active ramp of the MHT. This structure is most probably
299 at the origin of the anticlinal fold mapped in the area. The local relations between this ramp,
300 suspected at 10-15 km depths, and the seismic clusters located beneath Dailekh and
301 Kusapani are not easy to ascertain: the seismicity is discontinuous and its hypocenters do
302 not define a clear northward dipping plane but two 60° dipping planes respectively toward
303 the NE and NW for Dailekh and Kusapani. Note that this ramp is in a similar structural
304 position than the ramp mapped along the southern extension of the Gorkha earthquake
305 under the south western extension of the Kathmandu klippe (Khanal and Robinson, 2013;
306 Hubbard et al., 2016) or under the easternmost part of Nepal (Schelling and Arita, 1991).

307 **4.5. Seismicity impulses and migrations**

308 The spatiotemporal analysis of the catalog revealed several significant time variations of the
309 seismicity rate at regional scale. The seismicity rate above M_c , around 3 events per day
310 during the first month, suddenly increased in late January. It then reached a peak at 60
311 events per day on January the 22nd and remained high during the following weeks. From
312 March to September 2015, the activity slowed down to ~1.5 events per day (Figure 6). A
313 closer look at local scale demonstrated that most of the local increases of the seismicity rate
314 are associated to the development of 6 main seismic clusters. None of these clusters
315 developed consecutively to the occurrence of the largest earthquakes (e.g. events with
316 $M_L > 4$ on Figure 6). In addition, the mainshock of each cluster never happened at the onset
317 of the local activity (e.g. Figure 7) and the clustered activity happened to migrate through
318 time. The best resolved example of migrations occurred within cluster A (29.50°N, 81.05°E).

319 The sequence of earthquakes began there on 14/12/2014 and migrated bilaterally. The
320 southeast and northwest-ward migrations of the envelope of earthquakes propagated
321 respectively during 36 and 14 days between 50 and 35 meters/day (Figure 8 and 9). This
322 migration could be related to fluid diffusion or to the propagation of a local transitory slow
323 slip event along some sections of the MHT and/or at the contact between the tectonic slivers
324 in its hangingwall. However, to date, no transitory signal potentially related with slow slip
325 events have been detected within the cGPS time series available (e.g. Ader et al., 2012). This
326 suggests that, if these events exist, they are below the actual resolution of the cGPS velocity
327 field. The alternative or complementary scenario involving fluid diffusion is possible. Indeed,
328 the apparent migration velocities estimated are within the range of what was observed at
329 places where seismicity is suspected to be related to fluid circulation at the downdip end of
330 active fault segments (e.g. Duverger et al., 2015) (Figure 5). Scenarios involving a pore
331 pressure migration within 1D poroelastic model (Shapiro et al., 1997) reproduce the overall
332 evolution of the seismicity front, considering hydraulic diffusivities at 0.1 and 0.05 m²/s.
333 These hydraulic diffusivities are within the range of values previously determined in similar
334 contexts (e.g. Pacchiani and Lyon-Caen, 2010; Duverger et al., 2015 and references herein).

335 Another argument supporting this scenario is that the presence of fluids at midcrustal
336 depths in this region is not surprising. Indeed, metamorphic fluids (brines, CO₂, among
337 others) are suspected due to the metamorphic reactions occurring at depth. Their presence
338 is suspected to contribute to the high conductivity region observed in a similar structural
339 position under Kathmandu (Lemonnier et al., 1999) in the vicinity of a Low Velocity Zone of
340 the MHT (Nabelek et al., 2009). These fluids, migrating within the fractured/permeable
341 midcrustal environment of the MHT shear zone as well as along subsidiary faults in its

342 hangingwall, could explain, at least partially, the spatiotemporal evolution of the seismic
343 swarms.

344 **4.6. Implications on the segmentation of the megathrust**

345 Midcrustal seismicity as well as the geology present lateral and downdip variations in
346 western Nepal probably related to along strike variations of the geometry of the MHT.
347 Significant variations in the deep geometry of the MHT could be responsible for a
348 segmentation of the fault rupturing at depth. The presence of barriers could influence the
349 rupture dynamics in a similar way than what has been described for the 2015 Gorkha
350 earthquake (e.g. Elliott et al., 2016; Hubbard et al., 2016; Baillard et al., 2017; Hoste-Colomer
351 et al., 2017).

352 We have several reasons to think that large and great earthquakes might coexist in west
353 Nepal, like they coexist in central Nepal where large and great earthquakes partially
354 (1833AD, 2015AD) or totally rupture the MHT (1255AD, 1344AD, 1934AD) (e.g. Bollinger et
355 al., 2016). Indeed, the region ruptured during the great earthquake (M8+) in 1505AD. This
356 event generated a coseismic slip locally greater than 20 meters (Yule et al., 2006) and a
357 rupture identified at three paleoseismological sites excavated from the Nepal-India border
358 until near Jajarkot klippe (Hossler et al., 2015), along more than 200 km-long stretch of the
359 range, 50 to 100 km from the brittle-ductile transition zone. This region also ruptured during
360 smaller earthquakes including the 1916 M7 earthquake (Bilham et al., 2017).

361 These observations are consistent with ruptures affecting large segments.

362 In Central Nepal, some structures at depth interfered with the progression of the coseismic
363 rupture of the Gorkha earthquake (Hoste-Colomer et al., 2017). Among these structures,

364 deep ramps along the MHT controlled the Gorkha earthquake rupture extent (Hubbard et
365 al., 2016). The pluri-kilometric MHT deep ramps (~4 km) which develop under the South
366 Karnali, below the southern extent of the Dadeldhura klippe or the southern extent of the
367 north Karnali window are therefore structures that most likely control the extent of
368 intermediate and/or large ruptures. This ramp is slightly more developed at depth than the
369 2-3 km deep ramp described by Hubbard et al., 2016 in Kathmandu area. Therefore the
370 intermediate South Karnali ramp and the structural ramp under the North Karnali Lesser
371 Himalayan Duplex delineate three distinct segments / MHT flats in Karnali region (K1, K2, K3
372 on Figure 10). In Bajhang area the structural midcrustal ramp separates two flats : (B1) a
373 frontal part including the upper flat of the MHT, fully locked during last years and (B2) a
374 deeper flat underlying the Bajhang seismicity belt which falls within a transition zone
375 (partially locked and/or affected by fluid migrations and connected to the Karnali Zone).

376 The ramps between North and South Karnali areas (between K1 and K2 and K2 and K3)
377 would likely influence a frontal progression of an earthquake rupture in a similar way as the
378 southern deep ramp that was described along the southern extension of the Gorkha
379 earthquake rupture.

380 West of the Karnali region, in Bajhang area, the structural segmentation is less pronounced.
381 The area is more complex, comprising significant lateral variations affecting the geometry of
382 the Lesser Himalaya Duplex, lateral ramps and a complex succession of seismic clusters,
383 suggesting that this region is a transition zone between the Darchula and Karnali regions.
384 The surfaces of each of these segments (i.e. K1, K2, K3, B1 and B2) are approximately
385 comprised between the surfaces ruptured by the Kodari and the Gorkha earthquakes (Figure
386 10). A seismic slip deficit around 10 meters likely accumulated since the last great

387 earthquake in 1505AD in that region according to the present day slip rate on the fault
388 (Jouanne et al., 2017; Stevens and Avouac, 2015). Large or great earthquakes rupturing
389 partially or totally the MHT in the area, locally releasing the total slip deficit accumulated
390 since 1505AD would respectively produce earthquakes of magnitude $\sim 7.9 \leq M_w \leq 8.2$ and
391 $M_w \sim 8.5$ depending on the number of segments ruptured (according to the relations of
392 Kanamori (1977) between seismic moment – rupture surface – slip and seismic moment –
393 seismic moment magnitude) (Figure 10). A more infrequent larger earthquake, rupturing
394 more than the stretch of the Himalaya on which our study focuses, must also be considered.
395 All these scenarios should be integrated in future seismic hazard studies in order to better
396 assess the seismic risks in the region.

397

398 **5. Conclusions**

399 The 15 stations of the HiKNet seismological network temporarily complemented the national
400 network, contributing to a better hypocentral resolution of the regional Western Nepal
401 seismic events. Among the many seismic events detected within the network between
402 December 1st 2014 and October 10th 2015, 2190 local earthquakes were manually
403 reviewed. The best events were then re-localized using absolute and relative relocation
404 schemes. The general pattern of earthquake distributions deduced confirms the existence of
405 significant lateral variations of the epicenters first revealed by the regional network (Pandey
406 et al., 1999). The main seismicity belt which develops at the foot of the high Himalayan
407 range in Bhajang area –at depths now resolved between 10 and 18/20 km- divides in two in
408 the Karnali area. The northern branch develops within a northward topographic embayment
409 and presents a rather scattered seismic activity during the period considered. The southern

410 one occurs at the front of the reliefs that develop south of the Karnali klippe –at depths
411 between 8 and 15 km.

412 In addition to scattered events, the seismicity belts include densely clustered seismic events
413 within pluri-kilometric-long swarms lasting a few days or weeks.

414 When confronted with the local geology, the earthquakes appear structurally controlled.
415 These earthquakes, when considered altogether, appear mostly clustered in the immediate
416 vicinity of the Main Himalayan Thrust fault as well as along the intersections between the
417 megathrust faults and the contacts between Lesser Himalayan tectonic slivers.

418 In addition, the examination of the time structure of the swarms reveals migrations of the
419 earthquakes. Both fluids, through pore pressure diffusion and/or transient slip events could
420 be associated to these earthquake migrations. To date, no transitory slow slip events have
421 been documented by the analysis of the cGPS time series (e.g. Ader et al., 2012). If these
422 events exist, they are below the actual resolution of the cGPS velocity field. Pore pressure
423 diffusion appears to be a likely contributor to some earthquake migrations within cluster, a
424 simple model of pore-pressure diffusion reproducing the bilateral 30-50 meters/day
425 apparent migration of the seismicity estimated along one of the main earthquake swarms.

426 In addition, the lateral variations of the earthquake pattern and its structural control may
427 translate possible seismic coupling variations, not yet properly resolved by the GPS velocity
428 field, still sparse in the region (e.g. Jouanne et al., 2017).

429 Whatever the earthquake engine involved in the spatiotemporal variation of the regional
430 seismicity, the earthquake pattern reveals a structural segmentation of the thrust by pluri-
431 kilometeric midcrustal and frontal ramps. The interseismic locking of the area and the

432 presence of historical devastating earthquakes associated to the presence of this structural
433 segmentation suggest that this zone has a potential for producing both large and great
434 earthquakes and therefore constitutes a serious seismic hazard for western Nepal and the
435 adjoining region in Northern India.

436

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447

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604 **Figures**

605 **Figure 1**

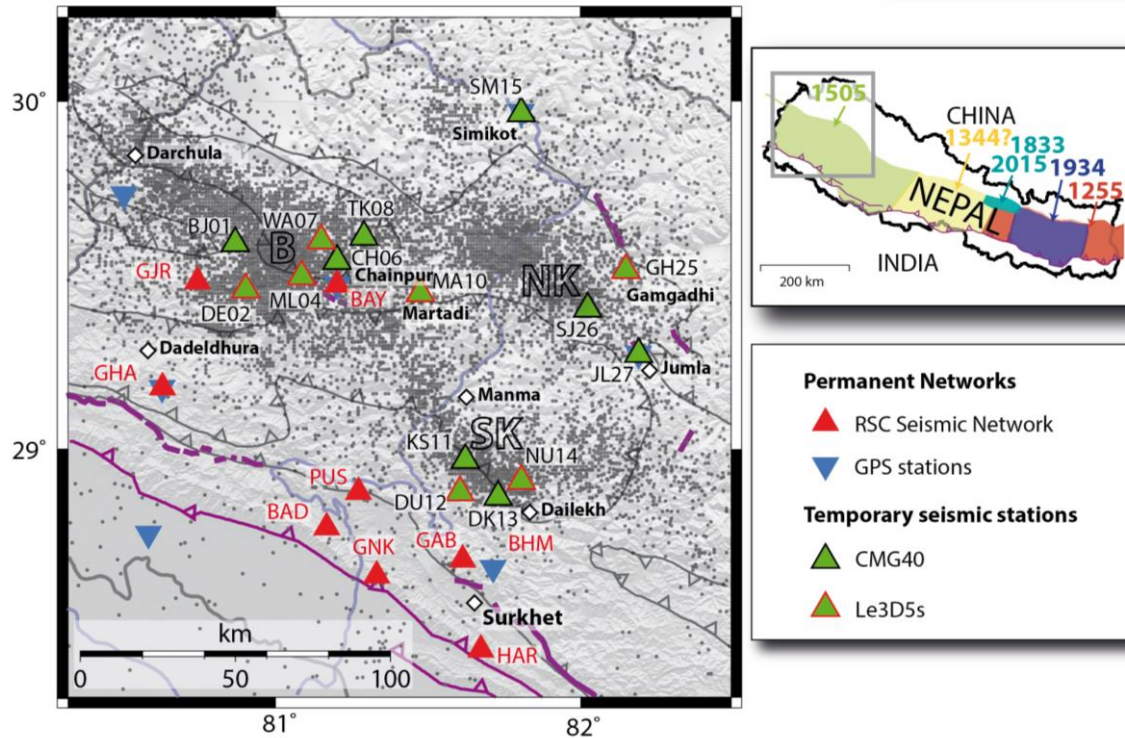


Figure 1. Seismicity map of western Nepal (Mid and Far Western Regions) with the main tectonic structures. Purple lines: MFT and active faults of Nakata, 1982; Gray lines: surface traces of MBT and MCT. Red and green triangles: seismic stations of the permanent and temporary networks. Blue triangles: for—GPS stations. Black points are the : earthquake epicenters located at RSC for the period 1993-2012. White diamonds: main cities referred in the text. B, NK, SK, respectively for Bahjang, North Karnali and South Karnali seismic belts.

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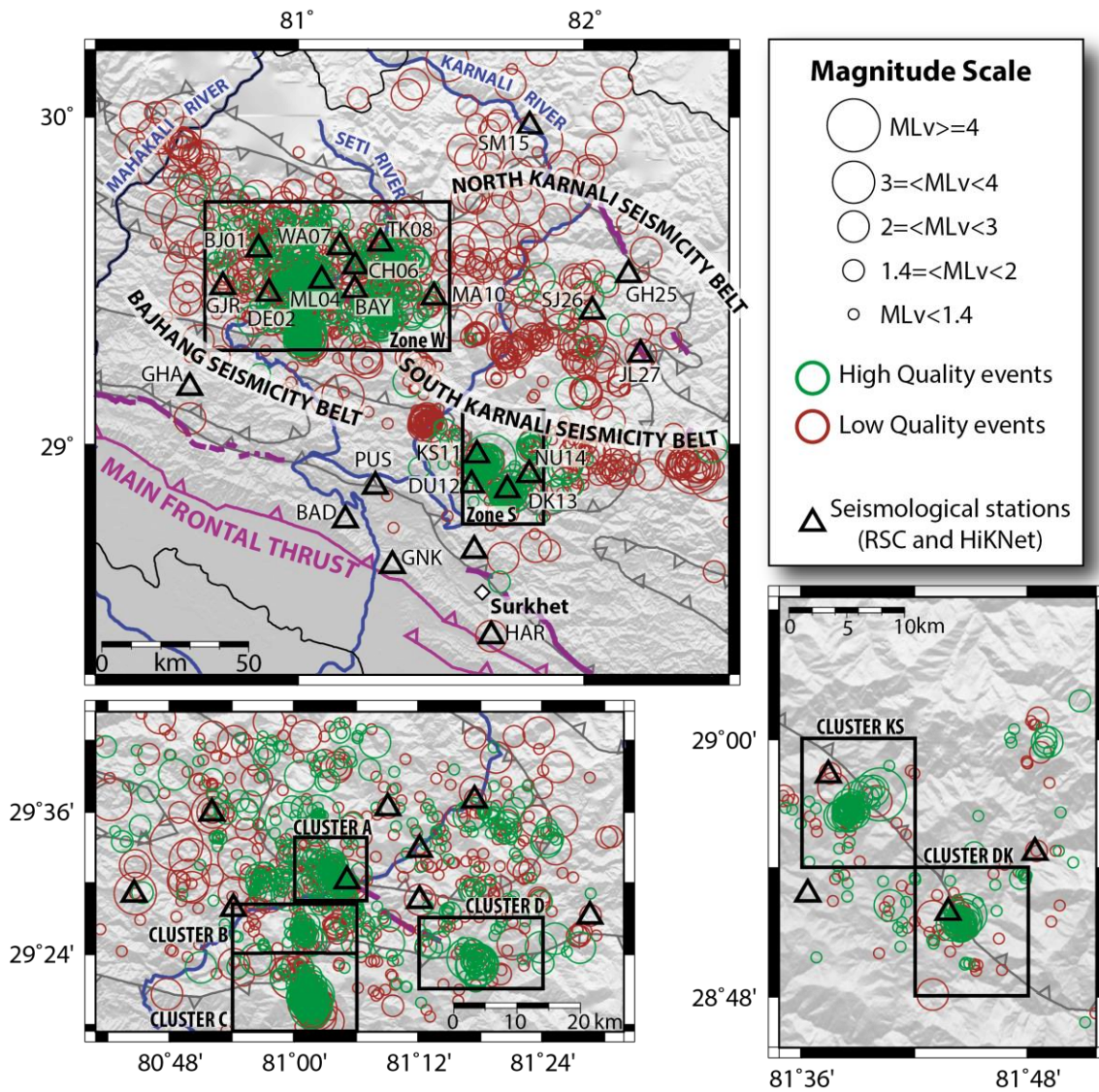


Figure 2. Microseismicity map of western Nepal recorded between December 2014 and November 2015. Epicenters from Hypo71 absolute location. Green circles represent the high quality events (P-phases ≥ 6 , S-phases ≥ 3 , RMS ≤ 0.4 and ERH and ERZ ≤ 2 km), brown circles are the low quality events (P-phases < 6 or S-phases < 3 or RMS > 0.4 seconds or ERH and ERZ > 2 km). See Figure 1 for further references concerning the tectonic structures.

613 **Figure 3**

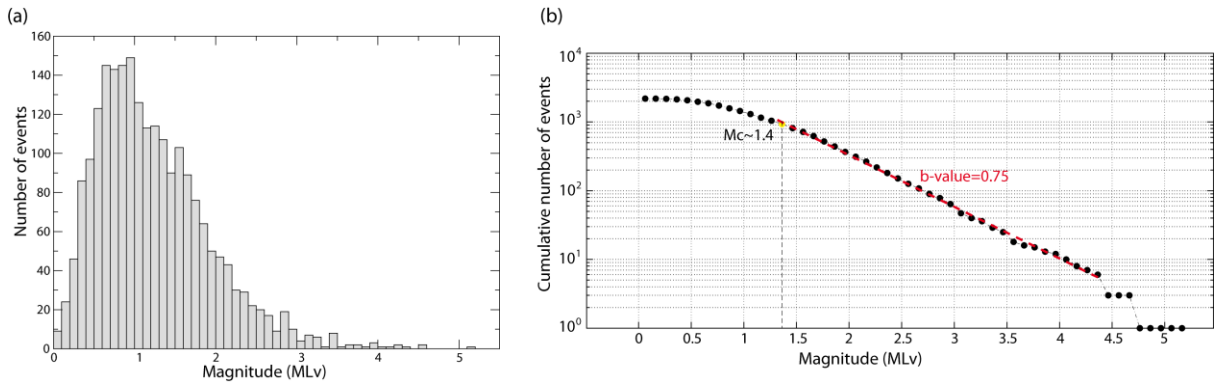


Figure 3. Magnitude distribution for the whole catalog. (a) Magnitude histogram of the events in MLv. (b) Gutenberg-Richter distribution with a $b\text{-value}=0.75\pm 0.05$. The completeness magnitude M_c is estimated at $M_c \sim 1.4$.

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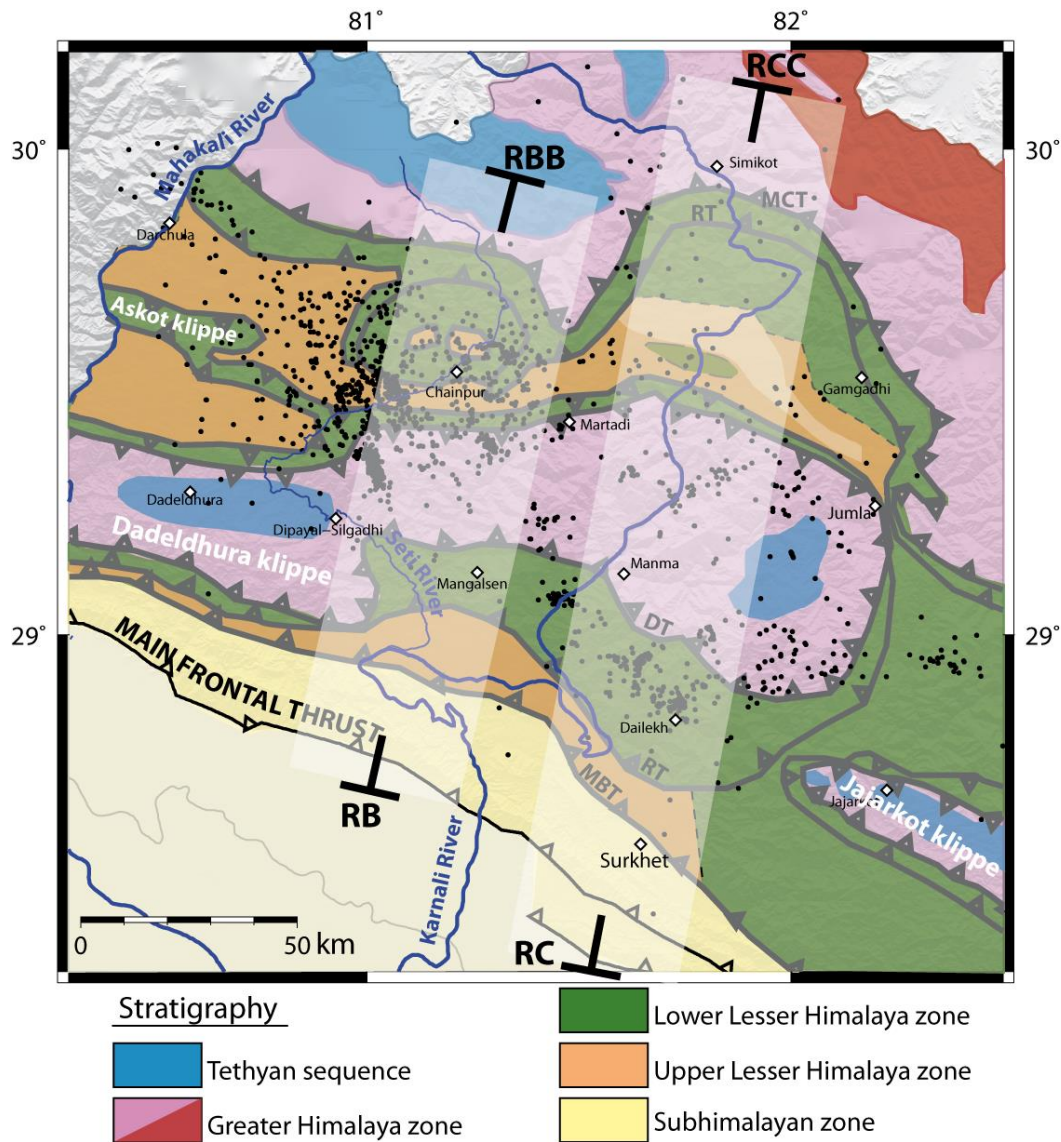
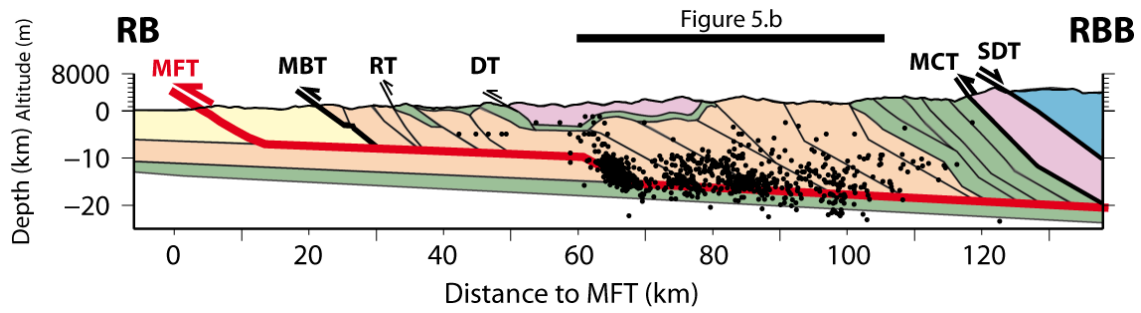
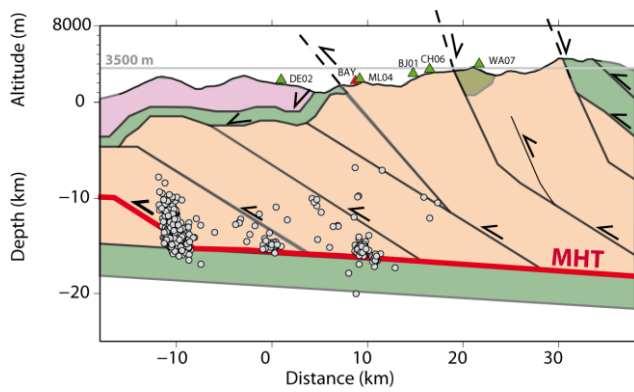


Figure 4. Tectonic map of west Nepal. Main geological and tectonic units are colored according to Robinson et al., 2006. The faults correspond to the Main Frontal Thrust (MFT), the Main Boundary Thrust (MBT), the Ramgarh Thrust (RT), the Dadeldhura Thrust (DT) and the Main Central Thrust (MCT). Black dots correspond to the seismicity of this study. Cross-section tracks correspond to Figure 5.

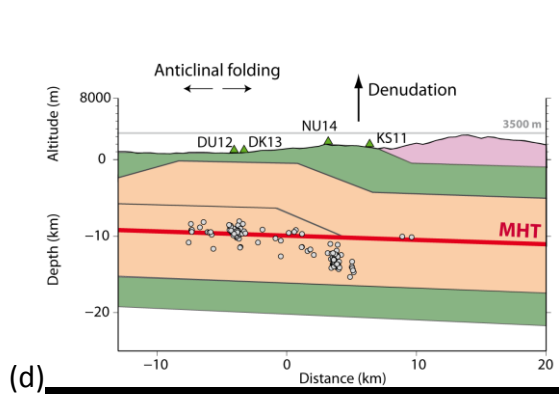
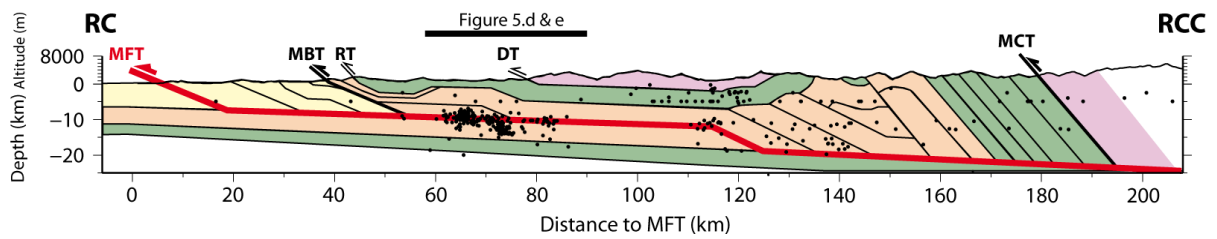
(a)



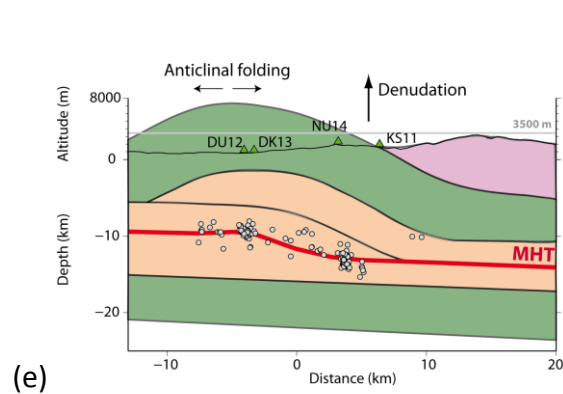
(b)



(c)



(d)



(e)

Figure 5. (a) Section through a 20 km-swath of the seismicity across Chainpur (Bajhang) (see RB-RBB on Figure 4 for location). Balanced geological cross section from Robinson et al., 2006. Note that the geological cross-section falling 5 km eastwards from the track was projected. Color code is the same as Figure 4. (b) Zoom of the balanced cross-section (a). Red and green triangles respectively stand for the permanent and temporary seismic network along the swath. (c) Section through a 20 km-swath of the seismicity across Dailekh (Dailekh) and Simikot (Mugu) (see RC-RCC Figure 4 for location). Balanced geological cross section from Robinson et al., 2006. (d) Zoom of the balanced cross-section (c). Morphotectonic observations from Harvey et al., 2015. Surface anticlinal folding from Amatya and Jnawali, 1994. (e) Alternative geological cross section involving an active midcrustal ramp consistent with the spatial structure of the seismicity .

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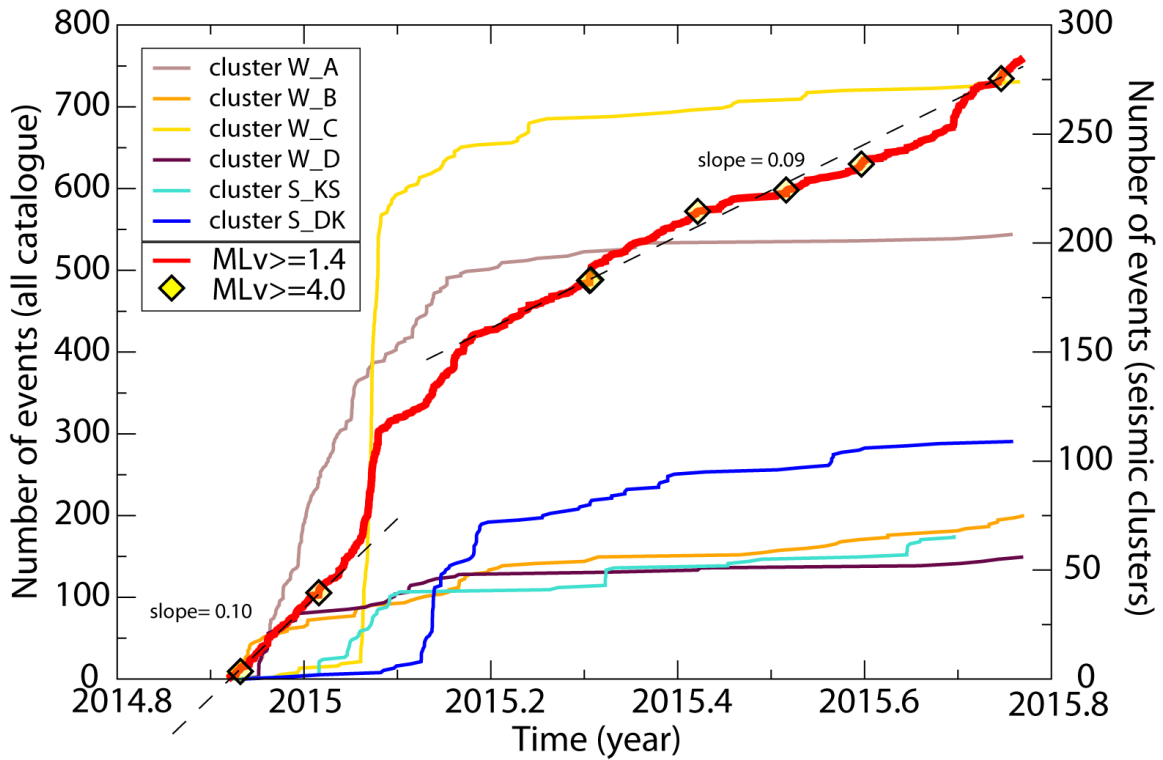


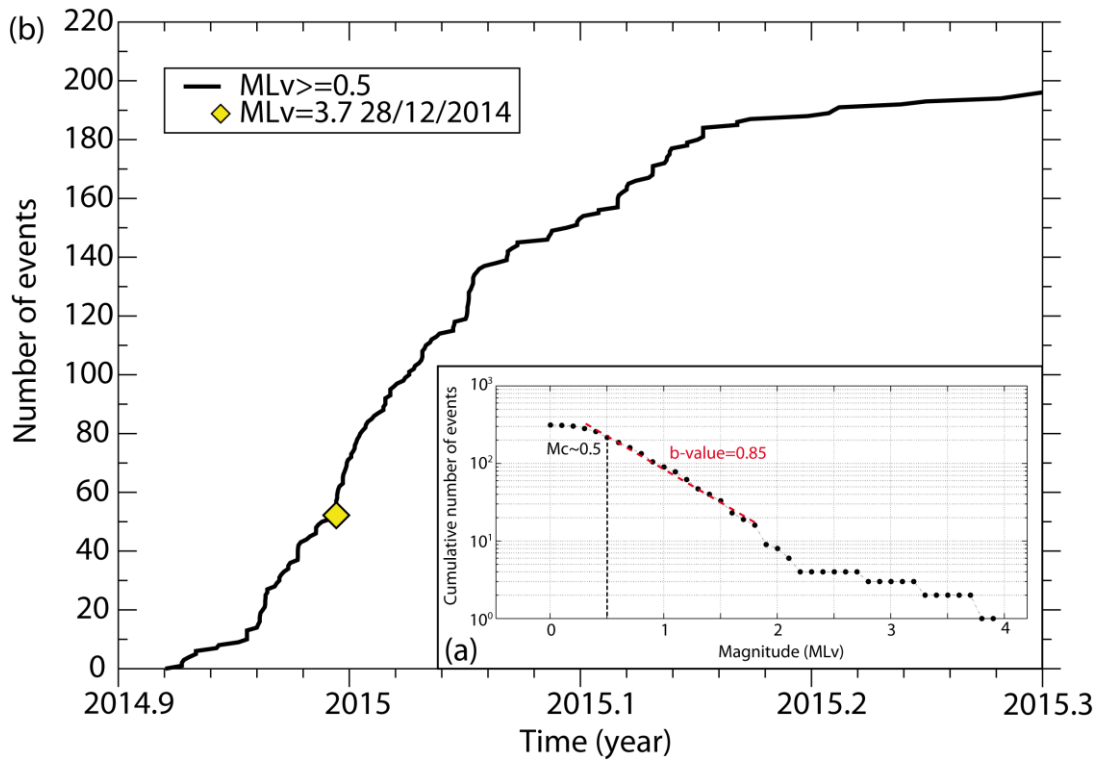
Figure 6. Cumulative number of events for the entire catalogue (bold red line) and for the different seismic clusters (referred on Figure 2). Each catalogue is cut to its completeness magnitude (see Supplementary Material S4).

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634 **Figure 7**



635

636 **Figure 7.** Evolution in time of the seismicity above the estimated M_c in cluster A of Figure 7.

637 (a) Gutenberg-Richter distribution with a b -value= 0.85 ± 0.05 and a $M_c \sim 0.5$. (b) Cumulative

638 number of events with $ML_v \geq 0.5$ in function of the time with the highest rate of activity of

639 the cluster.

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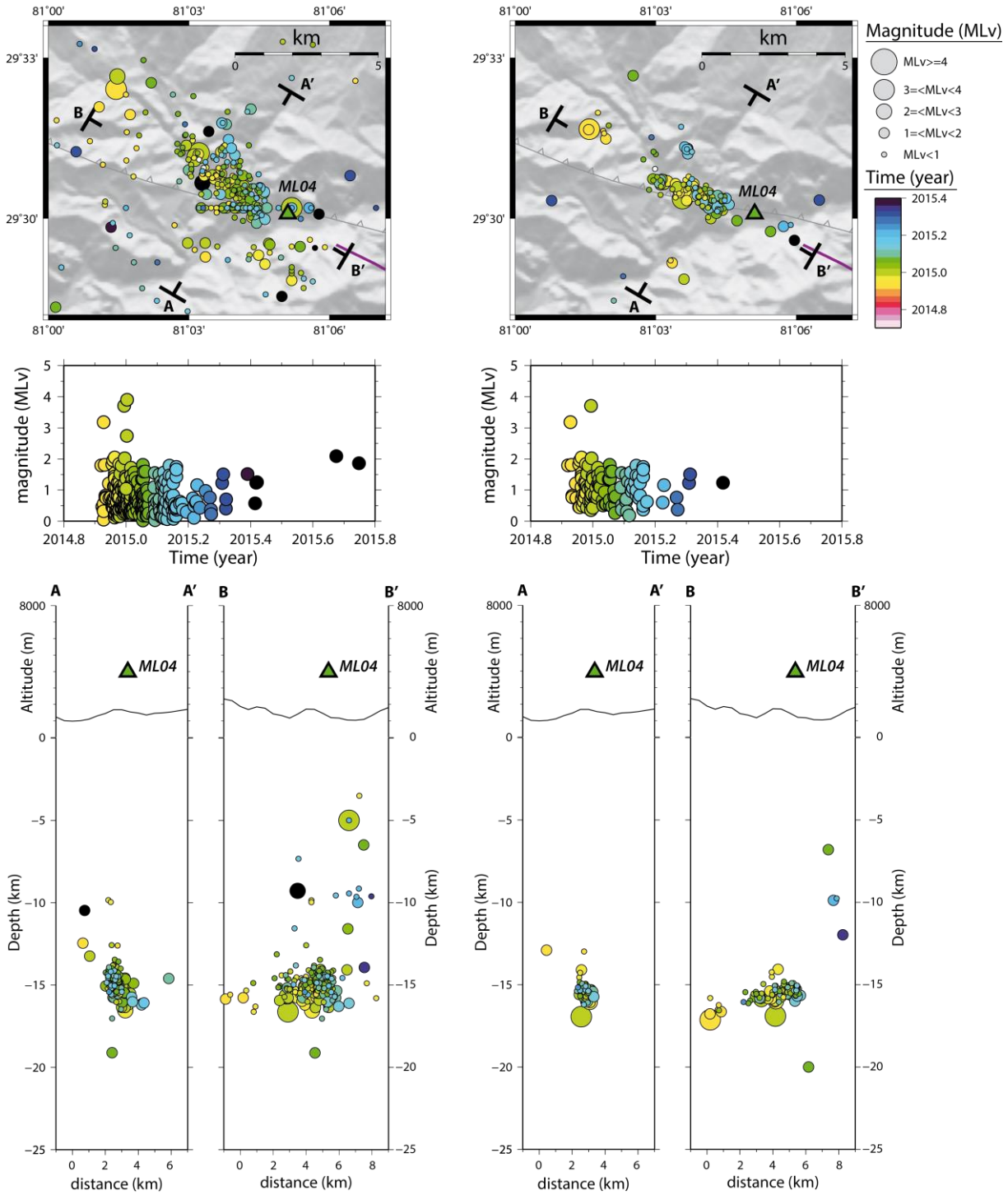


Figure 8. Spatio-temporal evolution of seismic cluster A in map view (upper figures), magnitude-time plot of the cluster (middle figures) and Cross-sections (lower figures) within +/- 1km from A-A' and B-B' (A-A' is 8 km-long striking N030E. B-B' is 10 km-long striking N118E). Left column is the catalog of the absolute location of the events (Hypo71 catalogue in supplementary data material). Right column

is the catalog of the relative relocated events (HypoDD catalogue in supplementary data material).

Green triangle: seismic station ML04. Purple line: surface trace of active fault from Nakata, 1982. Gray

line: surface trace of the MCT.

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643 **Figure 9**

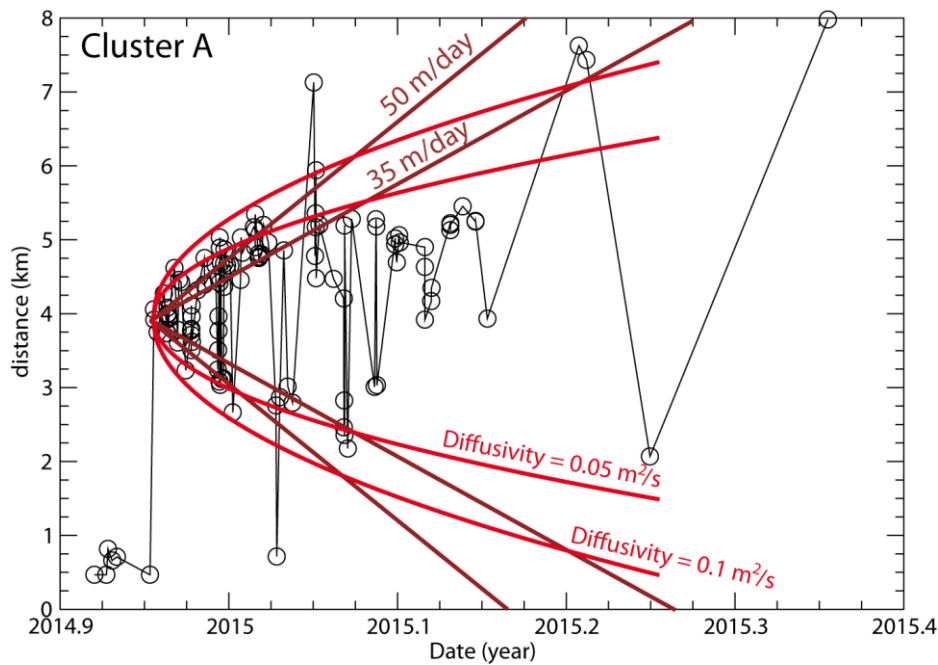


Figure 9. Spatio-temporal distribution of the “HypoDD relocated” seismicity that occurred in Cluster A (frame of Figure 2). The distance corresponds to the distance between a given epicenter and the first event located in the area. Dark red lines correspond to three different migration velocities. Red curve is a poroelastic model of the pore-pressure diffusion (Shapiro et al., 1997) for diffusivity of $0.1 \text{ m}^2 \text{ s}^{-1}$ and $0.05 \text{ m}^2 \text{ s}^{-1}$.

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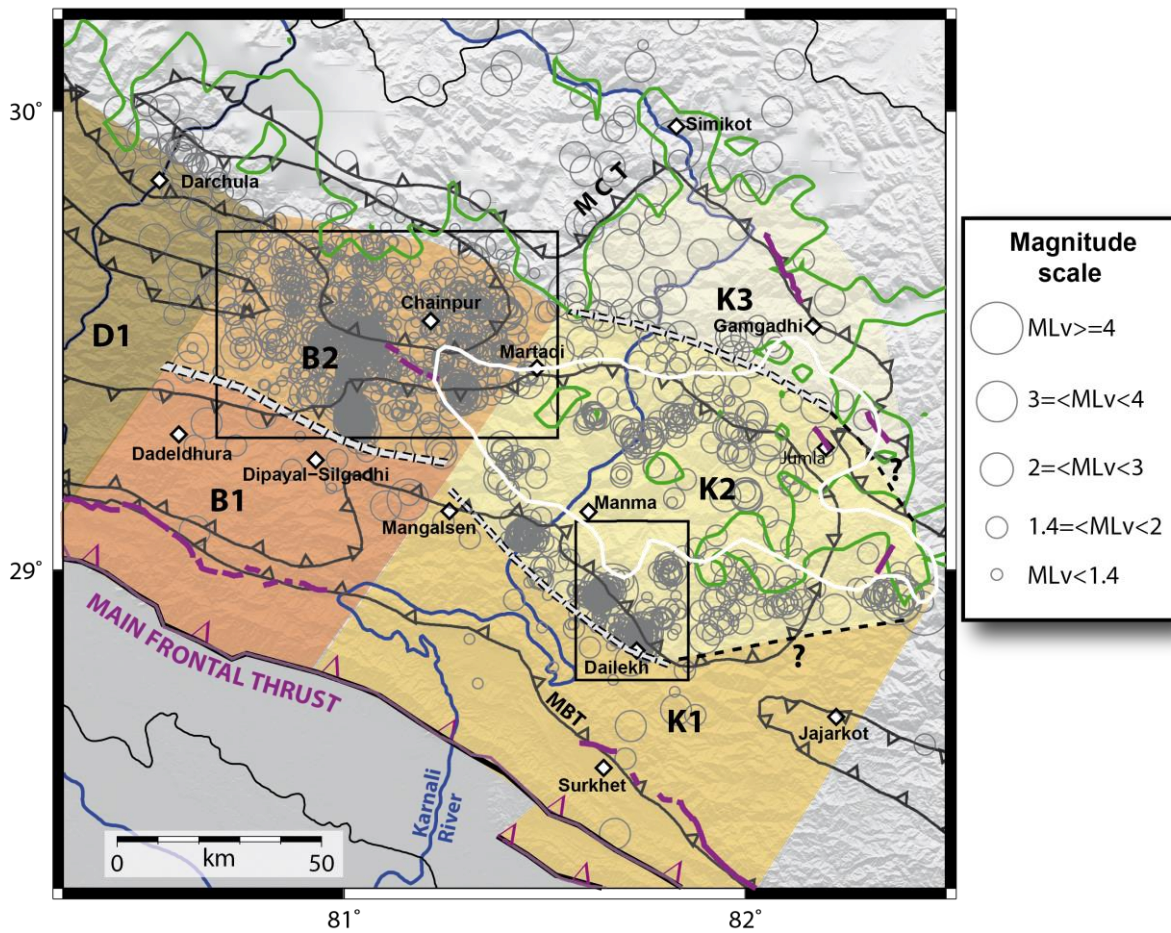
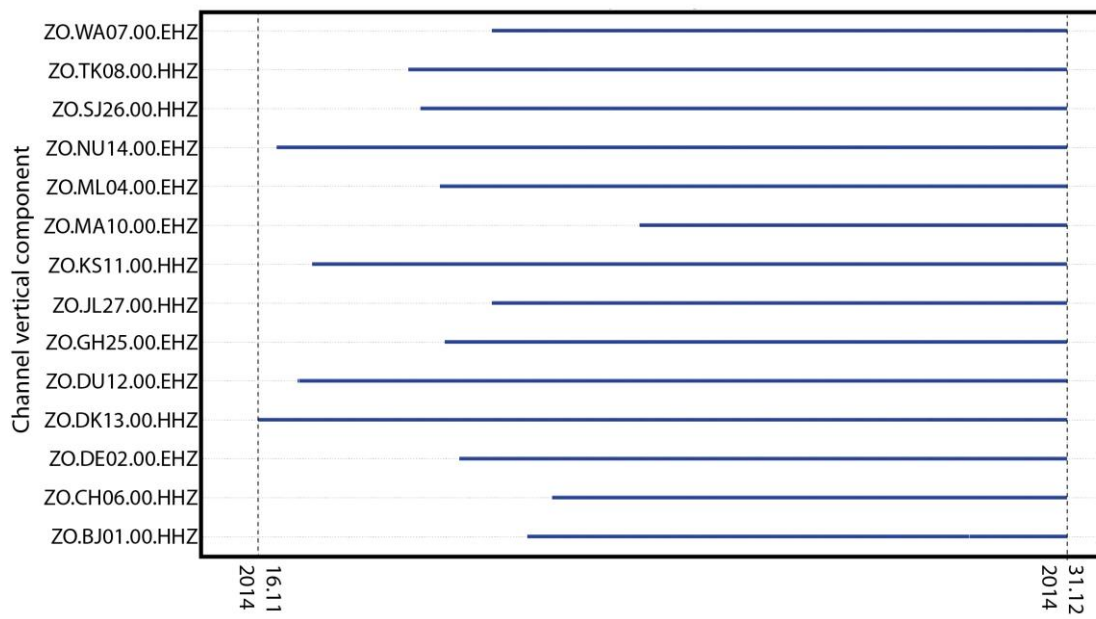


Figure 10. Schematic proposition of the segmentation patches in Far and Mid Western Nepal regions. Purple lines are the active faults of Nakata, 1982. Green line is the topographic contour of 3500m smoothed to 5 km. For reference, the White line represents the extent of the fault segment (slip ≥ 2 m) ruptured by Mw7.8 Gorkha earthquake of Grandin et al., 2015. Bold white lines correspond to the projection of the average position of the structural ramps at depth. Black dotted line for inferred position of additional ramps. D1, B1, B2, K1, K2, K3 correspond to the main segments of the main Himalayan thrust fault (see text for further details).

(a)



(b)

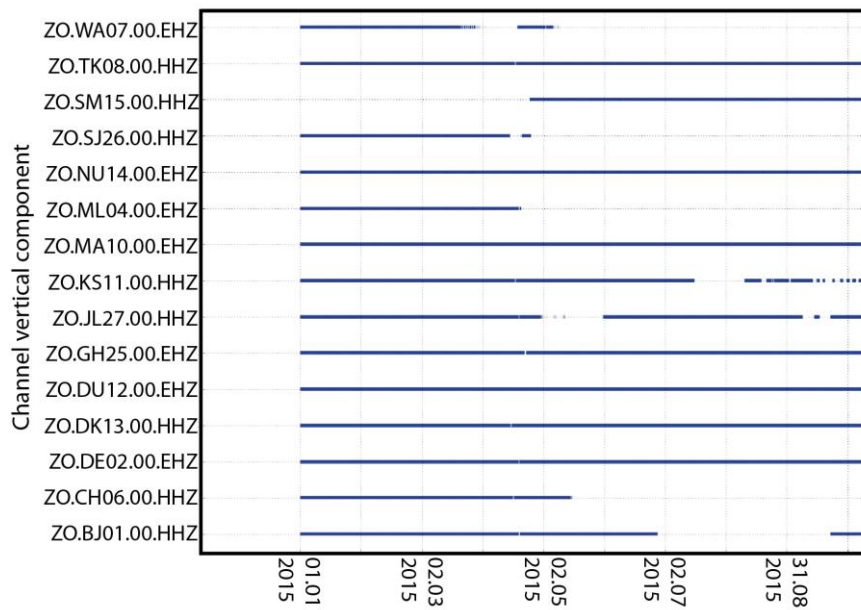


Figure S1. Timelines of seismological data recorded per station by the Temporary seismic array during the period considered in this study. Blue lines correspond to the period covered by the data. (a) From the installation until the end of 2014. (b) in 2015. Note that Simikot station (SM15) was only deployed on April the 25th 2015, a few minutes after the Gorkha earthquake.

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652 **Supplementary Material S2: Data Processing**

653 **S2.1. Automatic processing: Seiscomp3**

654 This first step focused on detecting the maximum number of events in our area of interest.
655 For that, three main modules of Seiscomp3 are used to obtain an automatic catalog:
656 scautopick, scanloc and scevent.

657 Scautopick detects P and S phases. It uses an automatic picker based on an STA/LTA
658 algorithm (Short Time Average – Long Time Average) that consists in sliding two time
659 windows (1,10 seconds¹) along the signal and detect changes on the average amplitudes of
660 the signal; the picker will be triggered over a certain threshold (2¹) (Allen, 1982). The final
661 pick of the phase is refined by the Akaike Information Criterion (AIC) which is a static method
662 applied to the seismic signal. The picker is triggered when the AIC reaches a certain value of
663 signal-to-noise ratio minSNR, 3 in our case (Akaike, et al.,1973). Scanloc creates origins
664 associating close P-phases using a cluster search method and calculating a location with
665 LocSAT locator with iasp91 as velocity model (Kennett and Engdahl, 1991). Finally Scevent
666 determines which origins present a good enough quality to be declared as event.

667 The first automatic processing carried out in Seiscomp3 allowed detecting and localizing
668 6529 events. Nevertheless, looking closely at the signals and at the preliminary results of the
669 automatic data processing, we noticed that:

670 1- There are stations where the signal of the event stands out from the seismic noise but no
671 pick has been done or phases are wrongly identified.

¹ Value of parameter in our case of study.

672 2- The automatic picks do not include the weight of the pick. This is an important
673 information to consider a pick for the location process.

674 3- The LocSAT locator does not allow weighting the stations according to the epicentral
675 distance to an event.

676 **S2.2. Manual processing: Seiscomp3 and Hypo71**

677 Reliable hypocenters, associated with quantified uncertainties, being critical, we manually
678 revised each event detected in the previous section.

679 We first filtered the data between 1-15 Hz and 1-25 Hz using a Butterworth filter of 3rd
680 order. Then we picked P- and S- phase when possible assigning an uncertainty in time on the
681 pick.

682 We locate the events with Hypo71 program (Lee and Lahr, 1975) that has mainly two
683 advantages for us: (1) the weighting according to epicentral distance and (2) the use of a
684 regional velocity model which is more adapted than the global earth velocity model iasp91,
685 in our case we used the velocity model obtained by Pandey, 1985 based on local seismicity in
686 central Nepal (Table S2.0).

Depth range, km	Vp, km/s	Vs, km/s
0-23	5.6	3.2
23-55	6.5	3.7
>55	8.1	4.6

687 **Table S2.0.** Nepal 1-D Velocity Model (Pandey et al. 1995).

688 **S2.3. Relative relocation: HypoDD**

689 We performed the relocation using P- and S-phases, the velocity model of Pandey, 1985, and
690 we resolve the relative relocation using the LSQR inversion. We define three sets of
691 iterations described in Table S2.1. The two first sets work very well for the data of the
692 temporary network; with a calculation converging rapidly to a solution. We then tested
693 different values for the residual threshold (WRCT) in the last set of iterations. We first set
694 this threshold at 5 seconds, leading to a rapidly converging solution. Despite that, the
695 relative uncertainties remain relatively high (order of magnitude of hundreds of meters for
696 both Zones). We tried also WRCT=2 which never converged and finally we set WRCT to 3
697 seconds, which is a good compromise between the convergence of the iterations and the
698 relative uncertainties (~100 m for Zone W and <40 m for Zone S). We also tested the
699 maximum event separation, but it did not make a big difference once the WRCT was set.

Number of iterations per set	Weight for P-wave	Weight for S-wave	Residuals threshold (seconds)	Maximum event separation (km)	Damping
4	1	0.1	-9	-9	20
4	1	1	-9	-9	20
8	1	1	3	5	20

700 **Table S2.1.** Iteration scheme for the relative relocation HypoDD.

701

Cluster	RMS reduction
Cluster KS	15 %
Cluster DK	8.3 %
Cluster A	10.1 %
Cluster B	12.4 %

Cluster C	23.6 %
Cluster D	29 %

702 **Table S2.2.** RMS reduction along the relative relocation process for each seismic cluster.

703

704 **Supplementary Material S3: Magnitude M_{Lv} vs M_{LRSC}**

705 The Seiscomp3 M_{Lv} calculated for western Nepal local events can be compared with the M_L
706 of the RSC catalog.

707 The Seiscomp3 catalog and the RSC catalog share 467 common events with a determined
708 magnitude. We calculate a linear regression in the cloud of points that leads to a relation
709 between M_{Lv} and M_L of: $M_L = 0.97137 + 0.86866 \times M_{Lv}$ (Figure S3.1).

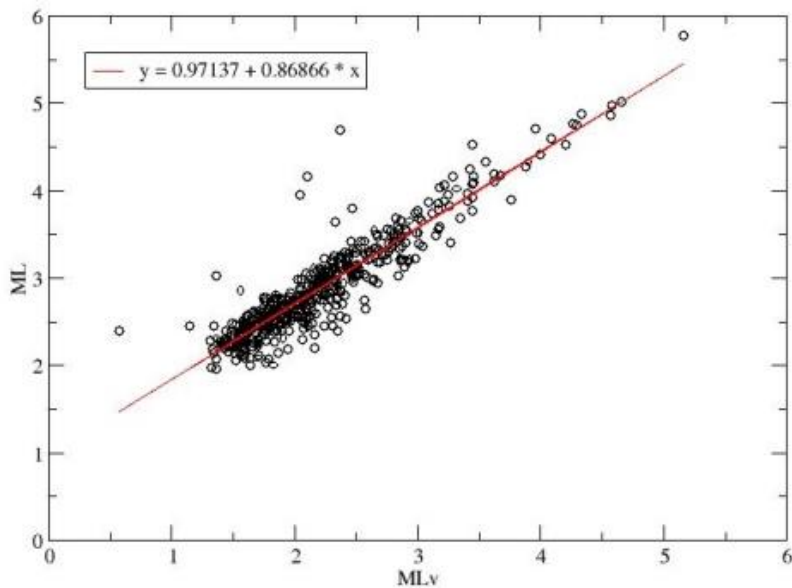


Figure S3.1. Magnitude relationship for events common to our study and to the RSC catalog.

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713 **Supplementary Material S4: Summary of results**

714 **Table S4.1.**

Clusters	Zone W	A	B	C	D
Zone W					
Number of events	1451	313	105	431	74
Number of events relocated	-	133	54	304	49
Dimensions (km)	-	3 x 0.5 x 1	1.5 x 0.6 x 0.5-0.7	7 x 1.5-2 x 1.7	2 x 4-5 x 1.2
Surface orientation	-	WNW-SSE (~N110)	NNW-SSE (~N155)	NNW-SSE (~N150)	-
Dip (°)	-	10° WNW	subhorizontal	60° NNW	Vertical
Average depth (km)	14	14	13	14	15
b-value	0.75±0.05	0.85±0.05	0.70±0.05	0.5±0.05 0.85±0.05	0.70±0.05

Estimated Mc	1.0	0.5	0.7	1.0	0.9
Maximum activity period	Early December 2014 to mid-March 2015	14/12/2014 to 02/03/2015	01/12/2014 to 13/03/2015	22 – 31 January 2015	13/12/2014 to 27/02/2015
Type of cluster	-	Swarm	Swarm	Swarm	

Table S4.1. Summary of the results for Zone W and its clusters.

715

716 **Table S4.2.**

Clusters Zone S	Zone S	KS small	KS big	DK
Number of events	294	8	88	139
Number of events relocated	-	77		101
Dimensions (km)	-	-	2 x 1.5 x 0.7	2 x 1

Surface orientation	-	-	Not clear	WNW-ESE
Dip (°)	-	-	68° NW	65° NE
Average depth (km)	10	-	12.5	9
b-value	0.75±0.05	-	0.60±0.05	0.80±0.05
Estimated Mc	0.7	-	0.9	0.6
Maximum activity period	Early January to mid-March 2015	05/01/2015	15/01/2015 - 02/02/2015 27-28/04/2015 23/08/2015	14/02/2015 to 10/03/2015
Type of cluster	-	Mainshock-aftershock	Swarm	Swarm

Table S4.2. Summary of the results for Zone S and its clusters.

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720 **Supplementary Material S5: Absolute location Seiscomp3 Hypo71**

Date	Time	Longitude	Latitude	Depth	Horizontal Error (m)	Depth Error (m)	Magnitude MLv
01/12/2014	19:16:30	81.6967	28.9753	10.2	1.8	3.2	1.15115416
02/12/2014	23:11:30	81.6735	28.8693	11.18	0.4	0.6	0.797455156
05/12/2014	14:53:52	81.6997	28.9732	10.54	1.2	1	0.788332785
06/12/2014	18:15:04	81.7482	28.8488	9.51	0.3	0.5	0.660702103
08/12/2014	18:08:13	81.632	28.9013	11.76	0.8	1.2	0.835781238
09/12/2014	14:04:35	81.6332	28.9148	9.85	0.5	0.6	0.491186102
10/12/2014	14:52:30	81.5992	28.9343	10.85	0.8	0.8	0.636844827
13/12/2014	03:26:14	81.6132	28.8302	9.94	0.5	0.9	1.069237859
14/12/2014	18:53:10	81.6967	28.8833	9.74	0.4	0.6	0.322068526
21/12/2014	05:52:34	81.6853	28.8537	10.69	0.5	0.6	1.296732916
22/12/2014	17:03:37	81.6128	28.9462	11.02	0.5	0.4	0.976459183
23/12/2014	12:52:28	81.8075	28.913	5	8.9	5.9	1.087774579
24/12/2014	11:10:13	81.7543	28.8197	7.62	0.7	1.5	1.091295998
31/12/2014	02:32:27	81.5845	28.9558	11.12	0.6	0.5	1.860662557
05/01/2015	19:41:42	81.6692	28.9568	14.07	1.2	1.1	4.574125468
05/01/2015	19:44:32	81.6662	28.9515	12.21	0.7	0.8	2.009247877
05/01/2015	19:51:04	81.6777	28.9792	13.65	1.1	1	1.171486073
05/01/2015	19:55:57	81.664	28.9612	13.84	0.8	0.7	1.708686308
05/01/2015	20:52:23	81.6592	28.9548	13.74	0.7	0.6	1.588382733
05/01/2015	21:20:58	81.6492	28.955	14.18	0.9	0.7	2.106993267
05/01/2015	23:51:16	81.6632	28.9598	14.24	0.9	0.7	2.881189818
06/01/2015	01:55:10	81.6542	28.9543	13.97	1	0.8	0.883501595
06/01/2015	09:12:35	81.6888	28.8507	8.24	0.4	0.7	0.636081174
06/01/2015	19:01:12	81.7003	28.858	11.39	0.6	1.1	1.188316146
07/01/2015	08:56:11	81.6572	28.9593	14.28	1	0.9	2.342298643
09/01/2015	15:15:49	81.689	28.8573	12.01	0.4	0.6	0.585339487
15/01/2015	20:55:21	81.607	28.9513	11.06	1	1	1.033532341
16/01/2015	00:07:51	81.6443	28.9323	12.42	0.7	0.7	0.495832494
16/01/2015	20:36:25	81.6413	28.9422	13.45	0.4	0.4	1.544918374
16/01/2015	21:52:33	81.6365	28.9412	13.98	0.7	0.6	2.025387001
17/01/2015	01:29:27	81.6408	28.9398	13.4	0.5	0.4	2.059053842
17/01/2015	11:05:59	81.6427	28.937	12.44	0.4	0.4	1.230507371
17/01/2015	15:55:52	81.6408	28.9377	12.98	0.5	0.4	0.922959556
17/01/2015	21:20:04	81.6422	28.941	13.52	0.5	0.4	2.064064274
18/01/2015	00:06:56	81.6395	28.9363	12.61	0.4	0.4	1.147992282
18/01/2015	16:09:40	81.641	28.9417	13.34	0.5	0.5	1.420926226
19/01/2015	15:11:10	81.6442	28.9427	12.14	0.4	0.6	0.81019598
20/01/2015	00:01:49	81.6405	28.9392	12.03	0.5	0.6	0.658256318
20/01/2015	12:49:32	81.6282	28.9618	10.96	0.7	1.5	2.236728103
21/01/2015	09:01:35	81.6433	28.9452	13.28	0.6	0.6	1.325933996

21/01/2015	12:52:42	81.6338	28.9402	14.08	0.8	0.7	2.415422365
22/01/2015	00:37:49	81.6417	28.9462	13.89	0.5	0.4	1.948705352
24/01/2015	22:24:42	81.6375	28.9442	13.78	0.7	0.6	1.861922777
25/01/2015	14:24:09	81.642	28.9488	14.03	0.5	0.4	2.578765245
25/01/2015	18:48:50	81.6462	28.9462	13.07	0.6	0.5	0.757660822
26/01/2015	05:22:51	81.6408	28.9442	13.82	0.4	0.4	2.351823785
26/01/2015	11:25:55	81.6423	28.948	13.5	0.4	0.3	1.788634419
26/01/2015	19:04:59	81.6472	28.949	13.68	0.4	0.3	1.399997177
26/01/2015	19:08:54	81.6422	28.935	12.96	0.3	0.3	0.971294685
27/01/2015	08:04:12	81.6402	28.9433	13.92	0.4	0.3	1.95379969
27/01/2015	14:15:34	81.6667	28.9582	14.35	1.9	1.6	0.596584414
28/01/2015	10:06:22	81.6422	28.9488	14	0.5	0.4	1.99652569
28/01/2015	10:52:28	81.6647	28.9493	12.12	0.9	1.3	1.138054175
29/01/2015	02:12:26	81.6488	28.9517	12.74	0.9	0.8	1.245493522
30/01/2015	00:28:18	81.6418	28.9423	13.1	0.4	0.3	0.739330279
30/01/2015	01:02:08	81.739	28.8522	8.89	0.5	0.7	0.727592174
31/01/2015	01:33:32	81.7007	28.8905	10	0.4	0.4	1.144445606
01/02/2015	03:23:43	81.6125	28.9338	11.89	1.1	1	0.680904408
01/02/2015	08:07:09	81.6465	28.945	13.47	0.6	0.5	1.263911953
01/02/2015	20:56:55	81.64	28.9475	13.09	0.6	0.5	1.590824988
02/02/2015	08:07:00	81.639	28.942	12.67	0.5	0.5	1.600993321
02/02/2015	10:01:56	81.6418	28.9382	11.78	0.3	0.3	1.182010815
02/02/2015	11:32:33	81.6437	28.9512	13.03	0.9	0.8	1.208323573
02/02/2015	16:07:00	81.6412	28.9473	12.8	0.4	0.3	1.135397917
02/02/2015	21:02:19	81.6428	28.943	12.21	0.4	0.4	0.546803525
04/02/2015	04:50:14	81.7507	28.8503	9.4	0.5	0.4	0.80446514
05/02/2015	00:47:34	81.6483	28.9432	12.67	0.5	0.4	0.900513119
05/02/2015	02:01:56	81.7372	28.8568	9.82	0.3	0.4	1.176436412
06/02/2015	09:47:59	81.6458	28.946	12.96	0.4	0.4	1.085535
10/02/2015	19:40:20	81.7493	28.8497	9.11	0.5	0.5	0.781961389
10/02/2015	22:09:46	81.6722	28.8895	9.12	0.7	0.8	0.869347366
12/02/2015	19:58:42	81.6347	28.9273	9.48	0.5	0.7	0.549750273
14/02/2015	18:49:55	81.738	28.8567	9.07	0.4	0.5	1.145142349
14/02/2015	19:06:21	81.6433	28.9288	10.03	0.9	1.2	0.244383285
14/02/2015	20:37:48	81.739	28.8537	9.14	0.5	0.6	0.615752444
14/02/2015	20:41:47	81.7398	28.8537	9.03	0.5	0.6	0.696859464
14/02/2015	21:00:13	81.7402	28.857	9.27	0.6	0.8	0.944369978
14/02/2015	22:00:50	81.741	28.8572	9.44	0.3	0.4	1.699831426
15/02/2015	05:43:22	81.726	28.8478	9.16	1	0.8	0.590775256
15/02/2015	05:49:14	81.7393	28.8593	10.53	0.7	0.8	0.451671427
15/02/2015	06:20:50	81.741	28.8575	9.54	0.4	0.5	1.075458242
15/02/2015	13:26:12	81.7397	28.854	8.71	0.7	0.8	1.016748708
15/02/2015	22:51:12	81.651	28.9412	10.94	0.7	1.1	0.772226496
16/02/2015	00:53:26	81.7378	28.8575	8.98	0.6	0.9	1.259794946
16/02/2015	02:25:13	81.7363	28.8578	8.35	0.6	1	1.491116958

16/02/2015	03:34:18	81.7482	28.8562	9.38	1.2	2.2	0.81804809
16/02/2015	11:56:00	81.7385	28.8522	8.26	0.6	1.1	0.831955378
16/02/2015	21:57:36	81.7713	28.8867	9.09	0.3	0.4	1.14225019
18/02/2015	00:44:47	81.7377	28.8535	7.2	0.5	0.7	1.16154019
18/02/2015	11:16:05	81.7428	28.856	9.63	0.4	0.5	1.555231061
19/02/2015	00:35:48	81.743	28.8558	9.72	0.4	0.5	1.413223531
19/02/2015	00:38:56	81.7397	28.8545	9.18	0.3	0.4	1.135984757
19/02/2015	04:27:18	81.7397	28.8567	9.16	0.4	0.8	2.40700767
19/02/2015	04:41:52	81.7433	28.8545	9.09	0.3	0.3	1.377036831
19/02/2015	04:44:47	81.7398	28.8572	9.05	0.5	0.8	1.527911764
19/02/2015	04:47:29	81.7427	28.856	9.35	0.4	0.5	1.451020382
19/02/2015	04:50:28	81.7393	28.8573	9.8	0.4	0.5	1.910047617
19/02/2015	05:12:14	81.7415	28.8585	9.6	0.5	0.5	1.103602168
19/02/2015	05:45:45	81.7403	28.8535	9.07	0.3	0.5	0.89958523
19/02/2015	06:28:19	81.7405	28.8517	9.13	0.5	0.6	1.205645405
19/02/2015	08:23:38	81.7412	28.8573	10.16	0.3	0.4	2.116324462
19/02/2015	12:16:05	81.7428	28.8523	9.14	0.3	0.4	1.073679418
19/02/2015	12:30:25	81.74	28.8563	9.43	0.4	0.5	0.679268471
19/02/2015	12:32:12	81.7387	28.8543	8.59	0.4	0.5	1.316205209
19/02/2015	13:14:34	81.7448	28.8563	10.02	0.4	0.4	2.691329576
19/02/2015	13:30:13	81.7313	28.8527	8.27	1.1	1.1	0.354038378
19/02/2015	14:29:12	81.7437	28.8535	9.13	0.4	0.5	0.805912168
19/02/2015	14:40:49	81.7422	28.8513	8.73	0.5	0.6	0.64983828
19/02/2015	16:15:14	81.678	28.8707	10.12	0.5	0.8	2.270615497
19/02/2015	18:23:22	81.7367	28.858	8.94	0.6	0.7	0.555006968
19/02/2015	19:43:41	81.743	28.8582	9.87	0.4	0.4	0.901752509
19/02/2015	19:58:09	81.7407	28.8543	9.47	0.2	0.5	2.076813733
19/02/2015	22:14:53	81.7402	28.85	9.81	0.7	0.6	0.658256279
20/02/2015	03:27:11	81.7415	28.8565	9.54	0.5	0.6	1.380995448
20/02/2015	20:43:31	81.739	28.857	8.83	0.5	0.6	0.527482283
22/02/2015	10:55:45	81.7435	28.861	9.37	0.4	0.8	2.991724834
22/02/2015	11:00:12	81.7403	28.8575	8.92	0.5	0.6	1.309920663
22/02/2015	11:02:12	81.7452	28.8632	10.52	0.5	0.8	3.439484646
22/02/2015	11:10:51	81.7448	28.8577	9.39	0.4	0.5	1.289733846
22/02/2015	11:18:59	81.7452	28.8565	9.1	0.9	1.1	0.644553611
22/02/2015	14:34:32	81.7413	28.855	8.63	0.7	1.1	0.287605285
22/02/2015	15:18:04	81.7428	28.8583	8.93	0.4	0.6	0.859902045
22/02/2015	23:48:59	81.74	28.8568	7.81	0.6	1.1	0.373289168
23/02/2015	23:06:57	81.7417	28.8597	7.72	0.7	1.3	0.707386881
24/02/2015	09:17:05	81.7407	28.8597	7.64	0.9	1.6	0.931707131
24/02/2015	18:06:49	81.7402	28.8665	8.38	1.3	2.3	0.556833288
25/02/2015	14:26:16	81.7397	28.8613	8.68	0.7	1.3	0.672929403
25/02/2015	22:45:48	81.7795	28.9022	10.3	0.2	0.3	0.587047891
25/02/2015	23:45:00	81.7402	28.8592	8.33	0.8	1.5	1.25443361
28/02/2015	02:10:25	81.7402	28.8665	9.34	1	1.8	0.935143076

02/03/2015	23:57:13	81.7425	28.8562	9.04	0.6	0.7	1.025814956
03/03/2015	23:22:25	81.6773	28.8738	8.11	0.7	1.3	0.26605227
05/03/2015	13:06:41	81.7155	28.8437	9.59	0.8	1.1	0.924089259
05/03/2015	15:12:07	81.713	28.8497	10.08	1.2	1.5	0.312073773
05/03/2015	22:28:30	81.7172	28.8435	9.65	0.9	1.3	0.389982815
06/03/2015	00:34:01	81.7375	28.875	8.66	0.4	0.6	0.53491727
06/03/2015	14:55:16	81.756	28.8727	8.72	0.7	0.6	0.690542361
06/03/2015	17:08:37	81.684	28.9347	5	0	0	0.006476981
07/03/2015	06:19:18	81.7313	28.8348	8.55	1.1	2.4	0.945699621
07/03/2015	10:34:43	81.7413	28.8595	9.07	0.5	0.9	3.401844708
07/03/2015	10:55:25	81.7387	28.8665	8.68	0.8	0.9	0.760357362
07/03/2015	10:57:51	81.7367	28.8665	9.11	0.9	1.1	0.9452738
07/03/2015	11:23:59	81.739	28.8727	9.12	0.4	0.5	0.744346221
07/03/2015	14:40:42	81.7378	28.8665	6.92	0.8	1.2	0.451210131
07/03/2015	17:36:16	81.7263	28.8625	10.18	0.7	0.9	0.55433178
08/03/2015	02:53:48	81.7427	28.8588	8.91	0.9	0.8	0.844275995
08/03/2015	08:50:04	81.7387	28.8665	10	1.2	1.8	1.13808207
08/03/2015	09:08:53	81.7397	28.8665	9.38	1.5	2.2	0.801293121
08/03/2015	09:21:27	81.7453	28.8567	9	1.2	1.8	0.652919797
08/03/2015	11:07:33	81.7397	28.8665	7.56	1	1.6	1.464677761
08/03/2015	15:38:19	81.7745	28.8448	7.84	2	2.5	0.495027296
08/03/2015	18:17:14	81.7427	28.8537	9.29	0.3	0.4	0.805622142
09/03/2015	10:44:47	81.7437	28.8665	9.22	0.5	0.5	1.099422375
09/03/2015	17:11:50	81.7423	28.8665	9.08	1.2	2	0.746710508
09/03/2015	17:34:54	81.7435	28.8665	9.42	1	1.5	1.090926601
10/03/2015	07:24:23	81.7413	28.8665	7.1	0.7	1.3	0.612027918
11/03/2015	23:20:04	81.7268	28.8607	10.59	0.6	0.7	0.582888858
12/03/2015	20:42:24	81.7392	28.8628	8.31	0.5	0.6	0.641998601
13/03/2015	00:06:38	81.6938	28.8532	9.15	1.1	2.1	0.443882958
13/03/2015	00:08:48	81.6685	28.8335	8.92	0.6	1.2	0.34843118
21/03/2015	06:48:55	81.8245	28.913	10.67	1.1	0.7	0.821513963
21/03/2015	10:16:40	81.8272	28.913	9.16	1.9	1.2	1.04911576
21/03/2015	20:18:23	81.632	28.8935	8.21	1.1	1.7	0.603390282
22/03/2015	19:45:56	81.7313	28.8898	9.79	0.9	1.4	0.490186981
24/03/2015	10:37:59	81.6923	28.926	9.21	2.3	1.3	0.649962946
25/03/2015	04:44:20	81.7387	28.857	9.55	0.3	0.4	1.484021653
25/03/2015	23:17:21	81.586	28.9465	11.43	0.9	0.9	0.576316259
31/03/2015	10:48:39	81.8597	28.7867	9.95	0.4	0.7	0.9439439
02/04/2015	19:53:20	81.829	28.9428	8.36	0.7	0.5	0.691494979
02/04/2015	20:59:17	81.744	28.8547	9.1	0.3	0.4	0.468904477
03/04/2015	02:10:15	81.7493	28.8563	9.33	0.3	0.4	0.622270688
03/04/2015	02:13:45	81.7482	28.852	8.66	0.5	0.9	0.492148307
03/04/2015	08:15:09	81.7455	28.853	8.73	0.4	0.7	1.584547769
03/04/2015	15:14:14	81.7435	28.8525	8.26	0.4	0.8	0.490678566
03/04/2015	23:41:27	81.7428	28.8568	9.33	0.3	0.4	0.465127998

04/04/2015	20:32:04	81.737	28.8537	8.96	0.7	0.9	0.40002011
04/04/2015	23:39:23	81.7987	28.9827	9.98	0.1	0.1	0.407752423
05/04/2015	23:56:30	81.6068	28.9045	10.64	0.3	0.3	1.066451382
06/04/2015	06:05:50	81.7452	28.8542	8.72	0.8	1.1	1.198757523
07/04/2015	03:04:21	81.6873	28.8385	9.36	0.5	1.1	0.674127684
07/04/2015	17:38:01	81.7443	28.8535	9.36	0.4	0.5	0.197455533
09/04/2015	09:39:57	81.642	28.9407	12.69	0.4	0.5	1.102583341
09/04/2015	09:45:59	81.6388	28.9355	12.9	0.2	0.2	0.56573261
09/04/2015	20:26:56	81.647	28.9397	12.34	0.4	0.3	0.52839525
10/04/2015	19:33:21	81.6928	28.8735	11.08	0.5	0.6	0.736979061
11/04/2015	20:22:42	81.7375	28.8572	8.74	0.6	0.7	0.733043249
15/04/2015	02:34:14	81.6403	28.8777	9.82	0.3	0.4	0.811258756
16/04/2015	18:59:17	81.84	28.9042	9.72	0.9	0.6	0.840206365
17/04/2015	03:55:30	81.7207	28.8517	8.89	1	0.9	0.883634168
17/04/2015	18:41:37	81.7353	28.8573	9.22	0.4	0.5	0.85341414
18/04/2015	05:59:02	81.6135	28.928	12.96	0.6	0.6	0.876565805
19/04/2015	22:02:25	81.6773	28.8665	10.23	0.4	0.6	0.522783935
21/04/2015	16:12:04	81.7507	28.8508	8.81	0.6	1.1	0.616111462
21/04/2015	19:38:35	81.7402	28.8547	9.45	0.3	0.4	0.656634568
22/04/2015	09:51:27	81.716	28.8015	18.71	13.1	11	2.055454661
26/04/2015	03:28:54	81.8508	28.7797	10.43	1	1.6	1.255517402
27/04/2015	15:43:12	81.6378	28.8943	11.08	0.6	0.7	0.526777726
27/04/2015	18:08:25	81.6463	28.9437	13.23	0.4	0.4	1.715002898
27/04/2015	18:10:09	81.649	28.943	12.91	0.4	0.4	1.870722609
27/04/2015	18:12:55	81.6448	28.9423	13.08	0.3	0.3	0.72300117
27/04/2015	18:14:34	81.6468	28.9425	12.99	0.5	0.4	2.25723094
27/04/2015	18:20:05	81.6437	28.9502	13.61	0.6	0.5	1.447959091
27/04/2015	19:12:04	81.6448	28.9402	12.89	0.4	0.3	0.767480231
27/04/2015	21:52:06	81.6445	28.9452	13.25	0.4	0.4	1.227805871
27/04/2015	22:55:29	81.6413	28.9428	13.23	0.4	0.4	1.868946161
27/04/2015	23:07:46	81.649	28.9438	12.91	0.9	0.8	0.840281907
28/04/2015	01:23:57	81.6485	28.9413	12.64	0.5	0.5	1.102044207
28/04/2015	02:49:14	81.6512	28.9435	12.03	0.5	0.5	0.65408118
28/04/2015	02:51:57	81.646	28.9445	13	0.5	0.5	1.290980778
30/04/2015	04:17:39	81.7975	28.8917	10.88	0.4	0.4	1.273885228
30/04/2015	04:21:03	81.7932	28.8915	10.65	0.7	0.8	1.435050958
01/05/2015	03:39:38	81.6423	28.9423	13.89	0.3	0.3	1.62837624
02/05/2015	16:14:48	81.8283	28.8707	10.32	0.8	0.8	0.549060021
04/05/2015	13:28:38	81.7842	29.001	9.8	0.7	0.7	0.811588678
05/05/2015	10:09:07	81.797	28.8942	11.26	0.4	0.4	0.783867955
05/05/2015	10:10:56	81.7345	28.8805	5	3.8	10.9	0.693418228
06/05/2015	05:14:36	81.716	28.8623	20.07	10.9	10.4	2.015396792
12/05/2015	15:46:47	81.6298	28.8913	11.16	1.2	1.4	1.060142592
18/05/2015	13:26:17	81.7988	28.894	11.22	0.3	0.3	1.342739249
18/05/2015	14:29:23	81.7963	28.8942	11.16	0.5	0.5	0.634832878

18/05/2015	19:01:23	81.6887	28.8858	8.83	0.2	0.4	0.538153965
19/05/2015	01:08:58	81.794	28.8955	11.02	0.6	0.7	1.061657658
20/05/2015	09:52:22	81.816	29.0013	11.04	0.8	0.8	1.796687374
20/05/2015	12:37:14	81.811	28.9897	11.26	1.2	1	1.599891791
22/05/2015	03:25:20	81.7442	28.8247	8.62	0.5	0.9	0.938575098
22/05/2015	03:26:50	81.7452	28.826	9.64	0.5	0.7	1.396861411
22/05/2015	03:50:37	81.7485	28.8253	9.24	0.5	0.8	0.996866131
23/05/2015	03:59:01	81.8207	28.858	7.5	0.4	0.6	0.78953224
24/05/2015	06:47:53	81.72	28.8788	11.48	0	0	0.354890693
24/05/2015	18:21:58	81.7918	28.8967	11.31	0.6	0.5	0.7683859
28/05/2015	20:16:28	81.7002	28.8922	11.86	0.2	0.3	0.204285652
05/06/2015	20:17:34	81.7343	28.8655	8.91	0.2	0.4	0.72572984
11/06/2015	20:49:35	81.8162	28.997	10.8	0.5	0.8	1.689658239
14/06/2015	13:28:15	81.6547	28.9435	13.49	0.5	0.6	1.102907301
14/06/2015	16:56:40	81.644	28.9442	13.14	0.3	0.3	1.037706092
15/06/2015	12:33:28	81.8052	29.0112	10.44	1.1	1	0.823673179
15/06/2015	12:58:39	81.8027	29.014	10.49	1.2	1	1.22487395
15/06/2015	13:15:20	81.8068	29.0112	10.66	0.1	0.1	0.95630838
15/06/2015	17:14:22	81.8122	29.0087	11.26	0.8	0.7	0.670748103
15/06/2015	18:57:38	81.8087	29.0162	10.4	0.3	0.3	1.409126148
20/06/2015	15:27:34	81.7853	28.9972	9.57	0.5	0.8	1.383275523
22/06/2015	17:28:49	81.6073	28.9398	10.59	0.7	1.2	1.302661554
27/06/2015	22:27:43	81.6407	28.9155	9.71	0.6	0.8	0.998293846
01/07/2015	18:00:34	81.7877	29.0077	9.24	0.9	1.7	0.932045885
02/07/2015	19:32:37	81.7563	28.9403	8.13	0.5	0.7	0.846609174
04/07/2015	00:00:21	81.7437	28.859	9.13	0.6	0.9	1.720187427
04/07/2015	00:06:39	81.7413	28.8575	9.52	0.4	0.4	0.491254827
12/07/2015	20:58:59	81.7497	28.861	9.48	0.2	0.4	0.70912615
23/07/2015	21:55:04	81.7555	28.8245	9.06	0.6	1.1	0.906741095
24/07/2015	16:46:44	81.7453	28.853	8.75	0.9	0.9	0.985634391
25/07/2015	04:02:35	81.7525	28.8233	10.52	0.9	1	1.205398991
25/07/2015	04:03:08	81.7525	28.8252	10.84	0.8	1	1.30905115
25/07/2015	19:53:18	81.7423	28.8568	9.91	0.3	0.2	1.087217892
25/07/2015	19:54:37	81.7403	28.8605	9.89	0.3	0.3	0.764827398
29/07/2015	03:46:04	81.7773	28.8205	9.2	0.9	1.3	0.948014454
04/08/2015	12:00:13	81.6425	28.9197	9.22	0.6	0.5	1.023034116
04/08/2015	20:12:21	81.7695	28.8952	9.08	0.4	0.4	1.38789338
07/08/2015	02:22:40	81.7392	28.8567	10.06	0.2	0.3	0.713181675
12/08/2015	21:34:02	81.7993	28.9812	10.49	0.3	0.3	0.973901113
12/08/2015	22:54:02	81.7997	28.9807	10.78	0.6	0.4	1.233725346
12/08/2015	22:56:58	81.8143	28.9938	10.39	0.6	0.9	1.514407469
12/08/2015	23:11:48	81.8172	28.9975	10.63	0.7	1.2	2.024251446
16/08/2015	10:10:17	81.5838	28.9558	11.94	1.4	0.6	0.781353516
16/08/2015	11:07:37	81.5925	28.9528	11.5	0.5	0.4	0.73893273
16/08/2015	16:04:07	81.7418	28.8578	9.28	0.3	0.3	0.477138163

17/08/2015	07:23:40	81.7723	28.8665	10.47	0.2	0.3	0.50138524
19/08/2015	22:05:25	81.592	28.9452	12.15	0.6	0.5	0.864302751
21/08/2015	19:28:49	81.8187	28.9902	10.59	0.4	0.6	1.364886759
22/08/2015	17:36:41	81.6335	28.9428	13.78	0.7	0.5	0.887123238
23/08/2015	11:43:23	81.643	28.9455	13.49	0.3	0.3	0.999259173
23/08/2015	11:44:07	81.6388	28.945	13.61	0.5	0.5	1.232692551
23/08/2015	17:39:49	81.6412	28.9478	13.96	0.3	0.3	1.542271521
23/08/2015	17:51:54	81.7167	28.8412	10.9	0.9	1.4	1.338722873
23/08/2015	18:00:17	81.6423	28.9472	13.88	0.5	0.4	1.299749619
23/08/2015	20:56:26	81.642	28.95	13.92	0.4	0.4	1.366971377
24/08/2015	06:50:48	81.628	28.8743	8.78	0.8	0.9	0.652291179
24/08/2015	17:55:15	81.6432	28.9365	12.35	0.4	0.4	1.165251701
25/08/2015	09:54:52	81.6758	28.8623	10.24	0.4	0.6	0.590401376
25/08/2015	21:24:16	81.846	29.0295	17.71	0.9	1.1	1.433739662
27/08/2015	05:49:53	81.7388	28.866	9.96	0.3	0.3	0.597722962
27/08/2015	07:12:36	81.7528	28.9118	8.7	0.4	0.6	1.70128314
28/08/2015	15:06:22	81.6498	28.9525	14.07	0.8	0.7	1.354824819
28/08/2015	23:52:31	81.6503	28.955	13.82	0.8	0.7	0.922871245
05/09/2015	00:41:55	81.7435	28.8503	9.57	0.5	0.7	1.376129961
05/09/2015	17:28:03	81.738	28.8428	3.29	0.5	0.8	0.555766301
10/09/2015	23:11:23	81.6253	28.9732	5	0	0	1.143750908
10/09/2015	23:31:33	81.6253	28.9732	5	14.8	8.8	1.517414954
18/09/2015	23:55:01	81.588	28.9523	12.76	3.3	2.1	0.941528147
25/09/2015	21:22:15	81.819	28.966	10.34	1	0.3	0.622649511
27/09/2015	22:06:31	81.641	28.888	10.9	0.6	0.6	0.520181878
28/09/2015	04:38:09	81.8075	28.913	5	1.1	1.2	1.539990477
01/10/2015	10:15:44	81.6517	28.9048	14.45	0.8	0.7	0.505702725
04/10/2015	01:33:46	81.733	28.8553	9.76	0.5	0.6	2.873980681
09/10/2015	20:44:16	81.6413	28.9373	10.8	0.1	0.2	0.364727892
19/03/2015	14:59:55	82.4992	28.7693	5	12.8	137.8	-999
07/10/2015	12:33:02	80.623	29.4847	19.11	5.4	4.4	-999
09/08/2015	18:36:08	81.7467	30.1433	5	21.3	17.2	-999
01/12/2014	20:25:45	81.5902	29.7563	5	4.5	14.9	2.908234078
10/12/2014	04:36:16	81.7727	29.6277	1.25	2.2	40	2.379027917
11/12/2014	16:34:58	80.6845	29.8542	5	3.1	19.4	1.642512955
11/12/2014	23:05:24	82.0787	29.4862	17.75	2.2	1.1	1.833543857
13/12/2014	19:00:58	80.499	29.9477	5	4	37.8	2.43851039
13/12/2014	21:04:16	81.4447	29.241	9.56	0.5	3.4	1.568269549
14/12/2014	19:52:17	80.8192	29.7473	12.3	2.5	3.3	1.0598662
15/12/2014	16:13:51	82.0192	29.336	16.21	1.4	1.9	2.227600854
15/12/2014	16:19:55	82.2013	29.5188	1.01	26.9	298.9	1.222321752
15/12/2014	23:54:36	82.0413	28.9303	10.6	1.5	2.5	0.924424247
15/12/2014	07:47:30	81.0528	29.2883	3.07	1.4	22.7	1.175401169
18/12/2014	03:40:28	81.9207	28.8582	8.31	1.3	1.6	1.045408803
18/12/2014	04:40:48	81.7533	29.5553	11.11	1.5	3.4	2.305004575

19/12/2014	12:34:55	80.6448	29.8162	10.76	3.2	6.7	1.662679602
02/12/2014	22:55:48	81.9657	29.5078	16.83	2	1.9	2.244591348
02/12/2014	08:03:50	82.3073	29.0368	5	0	0	1.691158003
20/12/2014	01:16:19	81.49	28.9827	11.98	1.6	3.4	1.183288699
20/12/2014	01:02:11	81.4917	29.0057	12.15	0.6	1.6	1.93162664
20/12/2014	03:28:14	81.4855	28.9843	12.42	1.7	3.1	0.978378318
20/12/2014	03:29:37	81.4967	28.9778	12.25	1.8	2.8	1.020743818
20/12/2014	04:22:56	82.0572	29.116	2.5	2.1	31.9	1.401231019
20/12/2014	09:31:23	81.4843	28.9812	10.42	2.4	3.6	1.1235046
20/12/2014	09:56:19	81.5007	29.0063	12.64	1.4	3	1.505273662
21/12/2014	04:22:49	81.4925	28.982	9.68	3	4.7	1.204184632
23/12/2014	15:56:46	80.66	29.6028	5	23.5	32.7	1.311441018
24/12/2014	15:45:07	81.8853	29.0202	9.3	3.7	4	0.841441852
25/12/2014	19:35:09	81.7605	29.5718	5	1.8	10.2	1.779873791
26/12/2014	00:27:50	81.8783	29.0472	4.47	0.9	4.5	1.028746714
26/12/2014	23:39:12	81.052	29.275	10.97	1	5	1.158977481
27/12/2014	22:43:45	82.134	29.0232	11.53	1.8	3.9	1.389729501
27/12/2014	04:36:57	81.909	29.355	10.1	1.2	2.6	2.082041228
30/12/2014	18:27:26	81.6757	28.4197	5	13.5	15.9	2.01221373
31/12/2014	12:24:16	81.4802	29.202	5	3.1	22.2	1.397744891
31/12/2014	22:17:04	80.5275	29.7213	15.75	2.4	2.8	2.14436823
04/12/2014	20:43:45	81.2772	29.7442	12.08	1.8	2.1	0.670621378
06/12/2014	19:12:04	82.2117	29.5892	20.58	3.5	0.9	2.789104563
08/12/2014	04:01:54	80.565	29.9302	11.71	3.9	12.7	1.672813919
09/12/2014	17:10:37	80.8708	29.2192	27.86	0.6	1.5	1.426700927
01/01/2015	20:09:39	81.9128	29.4155	17.03	1.6	1.9	2.570824627
01/01/2015	22:55:41	80.7313	29.8305	18.26	8.3	5.7	1.759412757
10/01/2015	14:34:58	82.1478	29.6765	2	6.2	48.3	1.595774863
10/01/2015	18:22:57	80.5783	29.5578	17.27	2.8	2.2	1.441350588
10/01/2015	03:26:50	82.085	29.0752	5	0.9	4	2.594985115
12/01/2015	11:50:31	81.2418	29.2685	2.5	1.4	25.7	2.109212855
13/01/2015	13:43:20	81.5775	29.5808	17.86	2.8	2.3	1.575896522
13/01/2015	14:23:46	81.8952	29.6893	10.38	2.9	7.6	2.345029687
13/01/2015	17:42:34	82.005	29.1612	0.04	1.2	471.8	2.57776635
13/01/2015	17:50:26	82.0055	29.1595	4.05	1.4	11.4	2.039770605
13/01/2015	17:59:25	82.002	29.1675	2.5	1.3	17.6	2.045653271
14/01/2015	18:26:12	81.9048	28.8687	9.69	1.6	2.2	1.496527875
15/01/2015	12:13:57	81.9735	29.479	16.84	2	1.7	2.186658776
15/01/2015	12:15:19	82.0038	29.5103	17.75	1.6	1.1	2.997013061
15/01/2015	12:41:51	82.0323	29.5328	16.67	3.2	1.5	1.59450537
15/01/2015	14:37:19	81.5342	29.0177	10.35	0.8	1.9	1.702170337
15/01/2015	17:53:05	80.5117	29.6153	5	3.3	12.8	1.189200427
15/01/2015	20:57:48	81.8027	29.4752	12.62	0.9	2	1.523346071
15/01/2015	21:33:44	81.9827	29.2573	5.74	1.5	8.2	1.607061224
15/01/2015	22:17:33	82.0027	29.1678	5	1.2	8	2.099843835

15/01/2015	22:22:39	82.0008	29.171	2.5	1.3	18.3	1.520157016
15/01/2015	22:40:28	82.0052	29.1622	2.25	1.2	15.8	2.043890994
16/01/2015	15:15:00	81.5695	28.9558	13.68	0.6	0.5	0.687594248
16/01/2015	09:21:19	82.0015	29.1683	5	0.7	4.6	2.469654421
17/01/2015	20:32:28	81.4945	28.8733	15.47	0.5	0.9	0.978265718
19/01/2015	13:28:33	82.4487	28.617	5	5.1	50.1	1.805265709
19/01/2015	20:29:05	81.4065	29.175	1.25	0.7	29.9	1.099498678
19/01/2015	22:47:22	81.4108	29.1777	5	0.8	8.5	1.154004465
02/01/2015	00:26:29	80.6318	29.7767	21.53	1.6	0.6	2.206616232
02/01/2015	20:49:48	80.6032	29.9365	20.2	1.9	1.2	1.80411291
02/01/2015	22:07:57	81.8287	28.693	23.48	21.9	13.7	2.391887525
02/01/2015	06:00:26	81.5625	29.0222	17.11	8.5	9.7	1.491532929
20/01/2015	16:27:45	81.1403	29.7695	11.62	2.3	3.6	0.541199994
20/01/2015	23:46:45	82.4382	28.9988	53.95	1.2	0.5	2.175364699
21/01/2015	03:22:14	81.5817	29.5617	20.08	2.6	0.9	1.668392576
22/01/2015	06:37:14	80.9963	29.2863	8.98	0.7	3	0.880931417
23/01/2015	20:42:39	80.598	29.9193	8.17	2.8	8.8	2.509812418
23/01/2015	04:49:01	80.5935	29.8962	8.16	2.3	4.7	3.549292728
23/01/2015	06:53:51	80.6107	29.8937	16.34	2.7	3.8	2.56668981
24/01/2015	16:18:14	82.0112	29.4533	19.07	1.1	0.7	2.543381084
24/01/2015	18:50:46	81.1052	29.7475	11.75	2.1	2.9	0.738073288
25/01/2015	15:05:34	81.8993	28.8502	10.09	1.2	1.6	2.019703434
25/01/2015	07:32:50	80.9697	29.1787	5	0.8	11.5	0.985408098
25/01/2015	08:37:05	80.8322	29.7575	14.35	1.3	1.5	1.452576586
26/01/2015	13:26:26	82.0807	29.999	4.05	12.1	215.9	2.054759603
27/01/2015	19:01:11	81.1633	29.1647	5	5.7	92.8	1.148487915
28/01/2015	03:32:17	80.7612	29.7747	14.11	1.8	1.7	2.103151656
29/01/2015	15:30:05	81.5908	30.0323	5	6.7	72.6	1.600559983
31/01/2015	12:08:46	81.7813	29.4518	11.36	0.8	2.5	1.815427174
04/01/2015	16:44:26	81.9682	29.4772	19.79	1.3	1.2	1.299041873
06/01/2015	11:42:36	82.0332	28.982	2.88	1.4	7.2	1.693543143
06/01/2015	09:26:39	82.0358	28.9792	5	1.3	6.7	2.094913888
07/01/2015	02:30:08	81.6487	29.5302	15.52	1.9	1.9	1.849599337
08/01/2015	22:33:30	82.1118	30.1017	5	14.9	236.4	2.016640665
09/01/2015	19:37:29	80.4415	29.9992	5	33.1	93.1	2.143789825
01/10/2015	23:26:34	81.6757	28.4197	5	23.5	28	2.761406522
02/10/2015	18:28:27	81.7103	29.5402	11.4	3	4.7	1.5425026
02/10/2015	18:07:50	82.1943	29.2795	5	17.9	17.9	2.218154725
03/10/2015	12:51:18	82.069	29.4992	9.36	1.9	1.5	1.559700524
03/10/2015	15:49:13	81.8897	29.346	2.25	2.7	38.8	1.268307211
04/10/2015	14:05:00	81.9985	28.9952	5.92	3.1	7.4	0.995864579
04/10/2015	23:04:14	81.6208	29.5458	15.4	2	3	1.528039179
04/10/2015	08:06:18	81.8538	29.3218	3	4.8	39.6	1.480007652
05/10/2015	11:27:52	82.0777	28.9418	23.36	3.1	5.8	1.993883453
05/10/2015	11:29:14	82.0973	28.9245	11.68	3.6	9	1.674042753

06/10/2015	11:58:25	81.659	29.3762	18.91	2.6	1.4	1.523437358
07/10/2015	00:07:06	81.9852	29.0095	0.69	1.2	60.1	2.143475613
07/10/2015	12:32:54	80.4228	29.9185	6.43	12.7	136.4	2.317481092
07/10/2015	14:40:00	80.6593	29.8772	5	3.3	26.1	2.210322557
07/10/2015	19:00:39	81.488	29.2417	5	1.5	10.2	1.020563154
01/02/2015	22:24:36	81.8025	29.6312	12.75	2	2.4	1.564894535
11/02/2015	01:16:41	81.9087	29.401	15.26	1.6	2.2	2.492423922
11/02/2015	12:17:10	80.6588	29.3213	5	12	42.2	2.120331586
11/02/2015	18:51:28	81.8358	29.8925	5	2.2	18.3	1.357343297
11/02/2015	19:16:29	81.1605	29.1537	70.67	5.8	9.8	3.259867632
13/02/2015	19:46:29	81.4435	29.2362	9.68	0.5	3.5	1.755473931
16/02/2015	16:03:29	81.9798	29.3042	10.78	1.1	2.6	1.457527635
16/02/2015	17:25:02	82.03	29.3235	19.51	3.3	3	1.035228084
16/02/2015	17:04:58	81.9625	29.3697	14.77	1	1.1	0.694478361
16/02/2015	19:06:33	81.9922	29.2875	10.64	1.3	3	1.722372867
17/02/2015	10:42:13	81.959	29.31	11.01	1.4	3.4	2.078298951
17/02/2015	13:10:42	82.0092	29.3003	14.44	0.8	1.1	1.51674766
17/02/2015	15:08:19	81.967	29.3072	11.42	1	2.4	2.11028028
17/02/2015	19:33:34	81.9623	29.3087	10.99	1.2	2.8	1.665245668
02/02/2015	01:34:03	81.6917	29.3153	5	0.9	8.4	1.16362546
02/02/2015	11:09:05	81.1057	29.1393	65.35	5.4	7.6	2.935441969
02/02/2015	12:45:46	81.961	29.0182	5.51	2.5	6.7	0.991684515
02/02/2015	07:51:25	81.9422	29.0097	10.64	1.8	2.4	1.166461161
20/02/2015	23:46:40	81.6703	29.859	12.53	6	13.1	1.881762725
22/02/2015	01:25:16	82.0647	29.2828	12.58	1.5	2.6	2.329159934
22/02/2015	04:51:48	81.5748	28.8728	12.51	0.6	0.8	1.140152443
24/02/2015	17:11:37	82.0143	29.8405	5	4.6	39.2	1.930842284
25/02/2015	22:51:41	81.3347	28.7513	5	19.9	109.6	0.568563828
26/02/2015	14:35:31	80.6587	29.8902	6.36	2.6	14.1	1.712916535
26/02/2015	23:00:29	81.6632	29.8805	12.87	3.5	4.1	2.095842372
27/02/2015	12:42:20	81.4875	29.0832	14.98	1.2	2.4	1.36720258
27/02/2015	14:17:59	81.4502	29.073	10.87	0.6	2.5	2.254463236
27/02/2015	14:25:35	81.4733	29.08	10.72	0.7	1.7	1.419464344
27/02/2015	14:37:16	81.4638	29.0773	10.81	1.2	3.8	1.329204691
27/02/2015	14:50:25	81.4703	29.078	10.41	0.8	3.2	1.926775474
27/02/2015	14:50:08	81.471	29.0767	10.69	1.3	4.5	1.88113035
27/02/2015	15:01:16	81.4657	29.0732	10.66	1	4	1.449146819
27/02/2015	15:16:32	81.4737	29.0848	11	1.5	3.8	1.034620812
27/02/2015	15:22:20	81.4415	29.0725	11.19	0.8	3.7	2.87124377
27/02/2015	15:42:48	81.4553	29.0725	10.73	0.7	3.1	1.639548883
27/02/2015	15:45:41	81.4638	29.0762	10.77	0.8	2.7	1.516077174
27/02/2015	16:58:57	81.4517	29.078	10.95	0.6	2.6	1.663752693
27/02/2015	18:28:14	81.4482	29.0672	5.89	0.8	5.3	0.865809071
28/02/2015	11:04:46	81.4657	29.1085	11.18	3.2	5.2	1.213169072
28/02/2015	13:23:03	81.9268	29.8493	5	4.2	31.9	2.30685031

28/02/2015	15:20:03	81.9287	29.8118	2.5	5.9	107.1	1.675120437
03/02/2015	00:21:10	81.5225	28.7867	9.79	1.9	2.2	0.818329115
04/02/2015	17:52:11	81.6977	29.313	0.36	0.5	70.4	1.248519063
05/02/2015	23:26:44	81.5547	29.3672	18.83	1	1.7	2.678040181
07/02/2015	02:54:48	81.1427	29.2675	5.7	1.2	10.3	0.858007409
08/02/2015	01:13:20	80.6612	29.749	11.66	2.6	3.8	1.60111941
08/02/2015	15:02:21	81.8903	28.9097	10.32	0.6	1.1	1.532148314
09/02/2015	13:58:22	80.5178	29.9198	5	7.7	63.6	1.718088446
10/03/2015	00:05:03	81.5995	29.3187	10.35	2.2	9	1.219586211
10/03/2015	00:07:20	81.6057	29.3333	10.36	1.1	3.8	1.516549387
10/03/2015	10:20:54	81.604	29.328	10.96	1.9	1.9	1.266595365
10/03/2015	19:10:17	81.6918	29.9638	12.84	2.7	3.2	2.857532767
11/03/2015	19:41:13	81.842	29.5102	17	1.3	1.3	2.858763746
12/03/2015	16:36:48	82.1048	28.9268	0.05	0.7	217.4	2.024655384
14/03/2015	01:10:34	81.4407	29.085	5.51	4.9	9.4	0.863197741
16/03/2015	15:50:07	81.9728	29.356	13.9	1.8	2.7	1.635306208
16/03/2015	18:48:05	80.7503	29.7823	10.81	2.7	4.8	0.879236153
16/03/2015	23:51:01	81.6993	29.9887	5	4.4	41.1	1.722464037
16/03/2015	05:50:04	80.5947	29.9107	5	4.2	31.6	1.780818328
16/03/2015	05:51:58	81.6297	29.3287	2.5	1.1	15.7	1.355281772
17/03/2015	14:51:28	81.6693	29.9578	9.74	3	5.1	1.886459587
19/03/2015	11:41:58	81.6227	29.343	10.99	0.9	3	1.594771936
19/03/2015	13:12:41	81.1078	29.8148	2.5	1.7	18.4	1.024385769
19/03/2015	17:39:57	81.6223	29.9758	5	5.3	47.2	1.668839648
19/03/2015	17:44:01	81.0572	29.2597	2.5	1.2	31.3	1.132231893
19/03/2015	06:48:07	81.3952	29.261	5	2.1	21.7	1.909631127
19/03/2015	06:56:32	81.3955	29.2703	15.34	1.2	4.2	2.149391893
19/03/2015	09:54:11	81.6248	29.3453	14.12	0.9	2.3	1.758657552
20/03/2015	04:07:14	81.4533	29.0825	5.64	1.4	8.8	1.067836441
21/03/2015	19:16:48	80.5943	29.9172	5	2.1	19.1	2.661599138
21/03/2015	20:42:25	81.5733	28.8805	12.1	0.9	1.1	0.774329774
21/03/2015	21:46:21	81.3938	29.2628	5	1	10.4	1.810470745
25/03/2015	15:01:52	81.0063	29.892	5	2.9	23.1	1.393866996
26/03/2015	02:13:26	81.6257	29.3437	11.14	0.7	2.3	1.83186603
26/03/2015	02:16:24	81.6242	29.339	10.93	0.7	2.3	1.868278131
27/03/2015	18:38:08	81.439	29.1578	5	1.5	15.8	1.051036782
28/03/2015	14:22:37	81.7122	29.7553	12.92	5	3.3	1.69528511
28/03/2015	23:27:40	81.6355	29.5668	12.11	2.2	4	1.806370614
03/03/2015	10:22:22	81.4398	29.0632	18.82	0.9	2.6	2.327724905
03/03/2015	12:15:17	81.4497	29.0825	11	1.7	6.8	1.345560759
03/03/2015	12:20:38	81.4475	29.0678	6.29	1	7.8	1.444386239
03/03/2015	12:09:06	81.4302	29.0802	11.51	2.2	11.6	1.273048509
03/03/2015	13:18:47	81.4538	29.0677	11.14	1.4	6.1	1.410457245
03/03/2015	17:51:59	81.4502	29.0608	13.5	0.6	2.5	1.181980545
03/03/2015	02:21:24	81.492	29.1145	10.76	2.2	4.4	1.17784079

03/03/2015	21:36:29	81.4067	29.239	5	1.9	19.6	1.050668544
03/03/2015	04:54:42	81.443	29.0735	11.05	1.4	5.3	1.648342475
03/03/2015	04:59:29	81.4338	29.0752	0.08	1.2	299.2	1.338444114
03/03/2015	06:07:26	81.442	29.077	5	1.1	10.1	2.049473137
03/03/2015	09:23:14	81.4477	29.075	11.48	1.1	5.1	2.409980533
03/03/2015	09:27:04	81.4603	29.0732	10.76	1.4	6.9	1.733512278
03/03/2015	09:31:37	81.448	29.0788	11.19	1.2	6.1	2.626860831
03/03/2015	09:34:03	81.452	29.079	5	1.5	14.6	1.355126342
03/03/2015	09:35:09	81.451	29.0668	11.09	0.9	5.1	1.93025402
04/03/2015	00:24:54	81.4522	29.0842	11.4	0.9	4	2.69383794
04/03/2015	00:34:10	81.4537	29.0767	10.77	1	5.1	1.414870607
04/03/2015	11:45:53	81.4488	29.0838	11.04	1.6	6.1	0.934825689
04/03/2015	20:02:57	81.774	29.2248	5	1.3	17.9	1.357771578
04/03/2015	06:33:01	81.4502	29.0772	11.71	1.1	5.1	1.598361306
06/03/2015	00:05:24	80.9475	29.755	11.75	1.8	2.5	1.8
06/03/2015	12:03:14	80.5503	29.3928	1.5	34.8	206.6	1.252780497
06/03/2015	13:20:52	82.1783	29.3542	18.98	2.5	1.2	2.149409015
06/03/2015	13:36:03	82.2452	29.3695	17.49	1.8	0.5	1.463542275
06/03/2015	20:13:38	81.9997	29.4755	16.74	2.2	2.4	1.475090183
06/03/2015	20:23:37	81.773	29.2245	3.8	0.9	20.5	1.179487311
06/03/2015	21:07:13	80.9795	29.1952	5	2.2	70.8	1.115119829
01/04/2015	19:10:20	82.0087	28.9602	10.82	1.4	2	0.940791371
10/04/2015	20:54:02	80.6672	29.748	16.05	1.4	2	1.179995147
10/04/2015	08:25:58	81.5793	29.6077	16.77	3.8	2.3	1.797534435
13/04/2015	01:48:01	80.6883	29.8452	10.29	2.7	4.3	1.649946231
14/04/2015	18:55:50	82.1153	29.3693	18.16	1	0.9	1.827955485
14/04/2015	04:02:36	81.609	29.4537	5	12.5	14.3	1.613227016
14/04/2015	07:25:36	80.6983	29.8238	19.46	2.1	1.9	1.986585679
15/04/2015	12:01:46	80.5393	29.9195	8.18	4.2	21.2	1.854605989
17/04/2015	01:09:47	82.1403	28.9347	5	2	11.9	1.82969224
18/04/2015	00:51:36	82.0483	28.913	0.52	1.1	48.3	1.580446066
02/04/2015	17:39:38	81.7658	29.5745	5	2.1	10.1	1.520064027
21/04/2015	14:15:54	82.4073	28.9455	5	4.5	26.8	2.181902502
21/04/2015	14:02:14	82.447	28.9143	12.67	2.7	3.4	5.163208019
21/04/2015	14:23:22	82.347	28.9412	2.25	2.4	52.6	1.688244766
21/04/2015	14:26:34	82.3452	28.9513	2.5	2.4	30.8	2.14956272
21/04/2015	14:32:26	82.3753	28.939	12.02	1.8	2.5	3.955444074
21/04/2015	14:08:00	82.3878	28.964	10.92	3.4	5.8	2.871084216
21/04/2015	15:02:19	82.3465	28.9502	3.65	3.4	46.8	1.236598788
21/04/2015	15:03:38	82.3177	28.9333	1.31	2.1	75.3	1.832422448
21/04/2015	16:13:22	82.3282	28.9492	5	3.9	18.7	1.768743601
21/04/2015	16:09:21	82.3542	28.968	2.5	2.3	58.5	1.459637302
21/04/2015	18:03:30	82.384	28.9233	2.5	3.7	41.5	1.713233362
21/04/2015	18:41:15	82.3277	28.9467	2.5	4.5	59.7	1.633889597
21/04/2015	18:07:42	82.3363	28.9445	1.25	2.1	71.4	2.108175882

21/04/2015	22:10:49	82.4447	28.9302	5	4.2	29.5	1.525177345
22/04/2015	01:15:44	82.3838	28.9368	2.5	2.6	40.3	2.420986713
22/04/2015	01:29:10	82.3772	28.9357	12.8	1.9	2	4.329975438
22/04/2015	02:40:08	82.1697	28.913	2.5	8.1	48.7	1.743576435
22/04/2015	22:28:39	82.3963	28.9208	5	2.3	17.7	1.776676803
22/04/2015	04:58:41	82.4077	28.9443	5	2.1	16.7	2.803483564
22/04/2015	09:55:42	82.28	28.9587	2.5	3.1	40.6	1.956577317
23/04/2015	16:33:15	81.5505	28.9538	15.07	0.7	0.8	1.024766651
23/04/2015	21:41:27	82.3565	28.9533	5	4.1	24.1	1.77457387
23/04/2015	23:32:20	82.1155	29.0527	10.73	0.7	1.5	1.381297374
23/04/2015	08:25:32	82.3087	28.9513	2.5	2.3	31.7	2.831494312
24/04/2015	05:28:29	82.3885	28.9315	5	2.5	16.4	3.162943546
28/04/2015	16:04:15	81.6927	29.2087	5	0.7	2.7	0.987849991
28/04/2015	18:30:53	81.692	29.2042	0.29	1.3	75.2	1.005059019
28/04/2015	20:58:26	82.005	28.9882	7.96	1.3	3.2	0.773867207
28/04/2015	07:16:19	81.9393	28.89	3.84	4.6	7.4	1.33958252
29/04/2015	15:54:17	81.6923	29.2112	5	2.1	7	1.622794719
29/04/2015	20:57:07	82.1943	29.249	5	9	7.3	1.701048999
03/04/2015	17:50:19	81.8257	28.7322	2.5	2.1	12.6	0.888625785
04/04/2015	15:30:35	81.945	29.3805	16.67	1.2	1.5	1.88354483
05/04/2015	21:48:20	81.6715	28.7582	9.05	0.6	1.4	0.640473958
06/04/2015	15:14:28	81.9767	28.959	11.66	2.5	2.8	0.879172514
06/04/2015	15:47:43	81.7028	28.5853	30.08	1.1	1.7	1.854488195
06/04/2015	17:22:45	81.6188	29.3447	11	0.7	2.7	1.933623824
06/04/2015	22:31:42	81.6392	29.3308	1.25	1	26.5	1.310159543
06/04/2015	22:32:24	81.6295	29.3397	10.81	0.6	2.3	1.458951477
07/04/2015	23:19:15	81.626	29.3293	5	5.6	16	1.257798334
09/04/2015	23:13:13	82.0725	28.9193	5	0.7	3.6	1.549406162
09/04/2015	06:27:52	81.0992	29.7957	11.36	2.8	4.5	1.541309815
09/04/2015	07:23:00	81.4853	29.0692	7.2	1.5	5.5	1.257430572
01/05/2015	03:10:29	81.5747	28.9045	10.6	0.9	0.6	0.829004125
13/05/2015	15:21:31	81.3402	29.8057	23.39	2.2	3.7	1.795933335
14/05/2015	03:57:42	81.9033	29.4418	5	3.4	19.6	1.812733824
15/05/2015	15:29:33	81.9508	29.161	16.78	1	1.9	2.649328813
15/05/2015	18:10:19	81.3762	29.2342	5	1.3	11.1	1.329450373
16/05/2015	10:45:43	81.249	29.1053	5	1.2	13	1.29937393
16/05/2015	14:03:41	81.8162	29.5915	5	10.2	97.1	2.282867837
16/05/2015	14:09:51	81.8848	29.47	11.72	4	9.5	1.84940142
16/05/2015	21:20:18	81.4622	28.9732	18.4	0	0	-999
16/05/2015	22:47:47	81.4155	29.1082	5	1.9	20.8	1.255691755
18/05/2015	02:43:22	81.6927	29.5687	11.07	5.6	9.5	1.637070373
02/05/2015	02:01:09	81.4665	29.0897	11.23	2.2	5.3	1.182928975
21/05/2015	07:20:01	81.716	28.6575	5	84.8	54.4	2.902254199
23/05/2015	17:08:04	81.0338	29.2777	5	0.9	8.7	1.611125983
24/05/2015	17:37:44	81.6212	29.7385	26.94	5.3	8.6	1.624509213

24/05/2015	03:52:43	81.829	29.4405	2.5	4.6	42	1.666547378
26/05/2015	20:11:58	82.2247	28.913	2.5	5.3	44.1	2.198590645
27/05/2015	14:48:24	81.74	30.097	2.5	17.2	337.6	2.633510825
28/05/2015	00:24:25	81.3818	30.0663	5	47	43.4	2.106544834
29/05/2015	17:32:09	81.8475	30.2	5	17.2	244.9	2.987386423
30/05/2015	01:36:21	81.4808	29.0638	10.39	0.8	1.6	1.194623818
30/05/2015	02:48:15	81.4972	29.0628	12.91	0.8	1.4	1.091644379
30/05/2015	03:03:00	81.4673	29.0603	10.38	1	3.5	2.099019923
30/05/2015	03:40:51	81.4858	29.0602	12.77	5	3.8	0.938645918
30/05/2015	03:05:43	80.6115	29.9522	5	5.1	35.4	2.159728187
30/05/2015	04:11:47	81.4753	29.0733	10.36	5.9	5.9	0.887601076
31/05/2015	13:11:40	80.6787	29.8808	26.24	3.8	5.3	2.159399853
05/05/2015	18:45:27	81.8028	29.5163	5	7.5	35.4	1.361820019
05/05/2015	20:47:18	81.4505	29.2427	16.7	1.6	2.7	1.049857709
06/05/2015	13:59:05	81.9262	28.9305	9.52	1.5	1.7	2.236654739
06/05/2015	14:25:16	81.9392	28.9438	10.29	1.5	1.8	2.750253637
07/05/2015	19:42:34	81.4052	30.0977	5	14.1	77.2	2.471405093
08/05/2015	15:44:01	80.7945	29.7463	16.62	3.3	2.9	1.567190578
09/05/2015	00:02:28	81.9935	28.882	3.99	3.9	8.8	1.39231802
09/05/2015	01:34:49	81.9243	28.9343	9.65	2.6	1.8	1.836436563
01/06/2015	08:54:53	81.7548	29.522	11.8	4.4	7.9	1.657659617
10/06/2015	22:35:25	80.9945	29.7777	15.27	1.6	2.2	1.651839001
10/06/2015	23:14:59	81.6198	29.4635	19.18	3.7	1	1.545795941
11/06/2015	11:42:13	81.5085	28.9445	10.13	0.4	0.5	0.986700771
11/06/2015	22:28:59	81.984	29.7427	10.51	8.3	21.1	1.722491349
13/06/2015	19:12:41	81.5747	28.9198	7.82	0.6	1.1	0.320018066
15/06/2015	12:00:35	81.2123	30.0555	5	13.9	30.5	1.906802486
15/06/2015	19:24:19	82.1373	29.1722	8.24	0.6	1.4	1.288699661
16/06/2015	12:56:40	81.7738	29.5007	5	2.4	14.3	2.077711086
02/06/2015	17:44:46	81.838	29.4537	5	4.7	41.3	1.326360197
02/06/2015	20:33:05	81.8308	29.9255	12.71	2.2	2.1	4.262447281
23/06/2015	00:24:09	82.0137	29.3332	18.09	0.7	1.2	2.102019059
28/06/2015	21:11:26	81.929	29.0748	5	5.8	26.5	1.27812228
05/06/2015	00:12:07	82.0997	28.9598	0.35	0.9	79.2	1.741350557
05/06/2015	06:55:05	81.5733	28.9555	14.25	0.9	1.3	0.80736811
06/06/2015	00:47:18	81.4188	29.2197	2.5	1.2	33.2	1.076191905
10/07/2015	05:50:22	81.603	29.8708	2.5	4.7	79.8	2.284295285
11/07/2015	23:23:23	81.5762	29.9003	1.25	4.3	133.5	2.649429132
12/07/2015	21:01:55	81.814	29.3412	3.89	1.1	15.2	1.949454954
13/07/2015	00:31:24	81.3148	29.0692	5	1.4	12.7	1.180623887
15/07/2015	15:21:52	81.6127	29.7582	5	3.2	27.1	2.846750875
18/07/2015	12:55:17	81.7065	29.372	5	1	5.5	1.775583191
18/07/2015	05:29:06	80.984	29.2412	2.5	5	96.3	1.103081099
20/07/2015	14:49:10	81.9773	28.913	10.94	2.3	3.7	1.643918162
20/07/2015	15:56:34	81.9627	28.91	11.39	1.9	3.7	1.04558162

20/07/2015	19:53:11	82.0807	28.918	15.63	2.4	3.9	1.251648957
23/07/2015	13:51:43	82.0523	29.2728	5.2	2.7	11.9	2.144568362
23/07/2015	06:43:13	81.5657	28.8805	12.97	0.9	1	0.96591196
24/07/2015	21:42:30	82.0183	29.3043	11.12	5.9	15.6	1.471746427
31/07/2015	18:07:35	82.1028	28.9858	2.5	2.9	45.3	1.627545774
31/07/2015	03:16:13	82.0507	29.2407	5	3.3	14.9	2.762821758
07/07/2015	18:50:06	81.8187	29.148	3	1.1	30	0.974143247
07/07/2015	18:58:43	81.824	29.1565	1.25	0.4	25.9	1.347133303
07/07/2015	09:31:41	81.5738	29.6012	25.67	2.3	4.1	4.291774342
07/07/2015	09:45:33	81.5942	29.4983	16.02	4.1	2.1	2.171520632
07/07/2015	09:45:42	81.5357	29.4763	17.38	2.1	0.8	2.823405435
08/07/2015	16:08:55	82.1047	28.931	17.15	2.5	3.3	1.287098911
08/07/2015	06:55:10	81.2197	29.2815	1.25	1.6	60.3	3.149837054
14/08/2015	14:47:08	81.9583	29.2548	2.25	3.2	56.6	1.691582174
15/08/2015	08:14:48	82.1138	29.1847	1.92	2.5	18.5	1.85691617
23/08/2015	18:26:36	81.3875	29.1977	17.64	0.6	1.9	2.232973071
23/08/2015	08:26:26	81.6978	29.6993	17.08	4.1	4.3	3.029510129
26/08/2015	17:14:46	81.4055	29.2282	5	1	6.9	1.230499755
27/08/2015	04:35:34	80.9828	29.7773	5	4.8	22.2	1.764991316
30/08/2015	22:56:28	81.425	28.9338	30.9	0.6	0.7	1.669441983
05/08/2015	19:22:25	80.5533	30.0037	5	0	0	2.779292696
05/08/2015	19:32:58	80.615	29.6347	5	14.1	110.2	3.213008137
05/08/2015	06:46:00	81.4258	29.238	15.87	0.7	2.2	2.282427128
05/08/2015	07:08:57	81.4203	29.234	5	1.5	13	1.566167746
06/08/2015	22:15:00	81.669	29.6198	10.9	2.8	5.8	3.164763622
06/08/2015	22:56:16	82.005	28.945	18.03	4.2	4.3	1.892201496
07/08/2015	15:46:49	80.6798	29.601	5	11	73	3.876148748
01/09/2015	12:22:55	80.6132	29.445	9.93	3.1	2.8	2.46979869
10/09/2015	14:50:48	81.8925	29.3452	2.5	2.8	39	1.359516954
10/09/2015	15:47:01	81.8387	29.3228	2.25	4	45.7	1.407714081
10/09/2015	16:26:59	81.7708	29.2897	12.44	3	9	1.431087299
10/09/2015	18:45:24	81.8478	29.3323	2.25	2.5	37.9	1.294382175
10/09/2015	19:40:37	81.8702	29.3392	2.25	2.6	37.3	1.332449325
10/09/2015	20:12:49	81.825	29.3257	2.5	5.6	63.7	1.261444141
10/09/2015	20:17:57	81.7603	29.2875	5	2.3	21.1	2.056536572
10/09/2015	20:18:56	81.7573	29.305	11.95	2.9	5.7	1.622682355
10/09/2015	20:22:24	81.7665	29.2962	11.16	3.2	4.5	1.515513562
10/09/2015	20:28:44	81.833	29.3393	5	3.6	21.4	1.277543561
10/09/2015	21:34:24	81.739	29.2665	2.5	1.3	29.1	1.467377669
10/09/2015	21:09:44	81.8318	29.3407	2.5	2.7	31.3	1.32781783
10/09/2015	22:21:17	81.8477	29.359	4.5	8.3	56.2	1.163620429
10/09/2015	22:23:08	81.7213	29.2658	5	2.8	22.3	1.406838294
10/09/2015	22:04:15	81.804	29.309	5	4.2	17.7	1.286645156
10/09/2015	22:41:22	81.8292	29.3117	3.5	3.1	19.8	1.283512478
10/09/2015	23:02:00	81.729	29.2542	5	3.1	34.9	1.528865394

10/09/2015	23:02:59	81.7322	29.2797	5	1.6	17.6	1.718242082
10/09/2015	23:26:08	81.9167	29.2787	1.49	10.7	164.4	1.34256518
10/09/2015	23:35:47	81.7718	29.2998	5	1.5	17	2.049908368
10/09/2015	06:17:56	81.7875	29.731	12.71	6.4	9.8	3.256291422
10/09/2015	06:33:35	81.7672	29.8258	5	6.4	67.3	2.054840247
11/09/2015	13:00:02	80.456	29.9022	5	9.9	82.6	1.998985882
11/09/2015	18:20:04	81.7153	29.2875	16.83	0.9	3	1.562341823
11/09/2015	18:06:57	81.7135	29.2978	12.96	1.2	5.5	2.280637169
11/09/2015	18:07:59	81.7667	29.3085	9.86	2.5	12.4	1.975113785
11/09/2015	21:30:28	81.784	29.3252	18.34	2	2.8	1.709919496
12/09/2015	11:45:52	81.8232	29.3353	2.5	1.5	20.4	1.644828719
12/09/2015	14:32:38	80.6268	29.886	11.78	3.1	4.1	1.968527982
12/09/2015	15:04:05	80.6135	29.9138	5.88	2.5	16	2.020565481
12/09/2015	18:07:19	80.5915	29.5922	10.69	3.3	3.8	1.448545356
12/09/2015	19:46:25	81.7767	29.7758	24.55	8.9	40.4	1.843120191
12/09/2015	21:08:50	81.7202	29.2857	12.69	1.2	5.9	1.447487065
12/09/2015	23:47:56	80.6248	29.4847	13.4	2.1	1.2	2.332366866
13/09/2015	22:52:49	81.9945	29.2463	4.08	1	9.5	1.975083902
13/09/2015	23:14:51	81.9582	29.2615	12.53	5.4	5	1.632569233
14/09/2015	14:18:42	82.1193	29.1835	0.45	3.8	112.8	1.960262477
15/09/2015	01:34:44	82.0033	29.0065	1.23	3.3	47.3	1.772379216
15/09/2015	01:07:17	81.386	29.1977	5	3.3	41.8	1.363461445
15/09/2015	01:08:15	82.0895	29.2118	12.66	4.5	6.6	2.510523565
15/09/2015	12:37:40	81.2443	29.2548	15.86	1.1	3.5	2.47705543
15/09/2015	16:53:23	82.1192	29.2103	1.25	3.1	27.4	1.550732456
15/09/2015	20:56:24	81.9355	28.9017	10.93	1	1.2	0.95302459
17/09/2015	22:54:22	81.9555	28.947	9.93	2.1	2.7	1.495315528
17/09/2015	23:10:46	82.0112	28.968	2.4	2.9	16.6	1.899976972
17/09/2015	08:06:30	81.9617	28.9747	11.2	1.6	2.1	2.861820835
17/09/2015	08:07:23	81.9273	29.0013	12.08	2.5	3.3	3.451759702
18/09/2015	12:07:21	81.8435	29.339	5.47	2.1	8.5	1.65735298
18/09/2015	15:05:28	81.7265	29.2722	11.55	1.1	5.4	1.435162418
18/09/2015	15:50:17	81.7283	29.288	11.21	0.9	5	2.346983943
18/09/2015	16:16:08	82.0125	29.8373	5	13.7	128.1	2.518399433
19/09/2015	17:56:22	80.5098	30.012	5	0	0	1.882909361
02/09/2015	12:29:48	80.6457	29.7818	5	4.6	26.5	2.477320605
02/09/2015	16:17:55	80.5907	29.805	5	8	47.3	1.569662486
02/09/2015	08:29:42	81.3133	28.8483	20.25	2.6	2.9	0.941578541
20/09/2015	09:20:57	80.6287	29.2722	9.12	0.4	0.5	1.260398534
21/09/2015	07:41:48	81.9875	29.2487	12.8	1.9	4.4	2.233695496
21/09/2015	09:41:11	80.572	29.821	5	3.4	21.3	1.924033959
22/09/2015	18:22:43	81.7352	29.4555	12.72	12.3	33.2	1.354881177
25/09/2015	13:36:25	81.853	29.198	5	13.9	96.2	1.291309223
25/09/2015	19:18:11	80.6117	29.4197	11.35	0.9	0.9	0.646157453
26/09/2015	16:20:33	81.6417	29.5552	18.46	3.1	2.1	2.784749295

28/09/2015	12:40:32	81.9575	28.881	10.58	2	2	1.740968815
28/09/2015	20:48:07	80.6287	29.0845	5	35.5	64.1	2.597819028
28/09/2015	23:22:17	82.1742	28.9597	11.94	7.1	23	1.353128151
28/09/2015	04:35:40	82.1213	28.9008	2.5	3.4	49.4	1.595772204
28/09/2015	08:09:00	82.1277	28.9578	12.19	6.4	13.6	1.87401758
29/09/2015	18:10:18	81.972	28.8882	7.1	3	7.8	0.983144176
29/09/2015	18:24:12	81.9637	29.511	18.33	4	3.2	1.409378406
29/09/2015	07:37:08	81.9343	28.8857	10.43	1.7	2.6	2.80139379
29/09/2015	09:27:16	80.6215	29.685	20.93	16.1	5.2	4.566640794
03/09/2015	10:25:24	82.3865	28.9943	4.5	5.1	54.1	1.748044322
03/09/2015	20:39:47	82.0557	29.9007	4.05	4.7	73	2.678937298
03/09/2015	21:20:02	82.1073	28.9258	2.5	2	20.8	1.919396734
03/09/2015	03:47:46	81.8768	28.6817	2.5	22.8	38.8	1.811908132
03/09/2015	04:41:14	81.5482	29.0473	15.66	3.6	4	0.743016504
03/09/2015	05:26:49	81.5538	29.0332	14.56	1.3	1.3	0.808687366
30/09/2015	20:15:55	80.6363	29.8858	5	54.1	339	1.715428282
04/09/2015	21:43:06	81.7267	29.4185	11.05	1	4.1	1.756402885
05/09/2015	22:52:12	81.405	29.0723	5	0.8	5	0.986081299
06/09/2015	14:21:38	81.8085	29.3993	25.61	3.7	9.5	2.273539725
06/09/2015	22:20:16	81.9002	28.8932	11.8	1.3	1.3	0.845692633
06/09/2015	03:42:26	81.5218	30.169	4.5	4.8	44.7	3.342303092
07/09/2015	11:39:42	81.5135	29.0505	11.84	0.7	1.2	1.480707972
07/09/2015	17:21:26	81.9875	29.4017	11.37	1.5	4.9	1.415418504
08/09/2015	01:13:16	81.9767	28.955	2.43	2.9	14	1.277904036
08/09/2015	19:49:10	81.8298	29.2912	1.82	1.4	23.4	1.271127488
08/09/2015	06:02:00	82.2972	29.3283	14.22	2.1	1.2	1.594010569
01/12/2014	03:46:48	81.0532	29.4692	11.45	0	0	0.195736561
01/12/2014	08:58:08	81.3855	29.4753	16.43	1.8	2.4	1.191136817
01/12/2014	09:17:38	81.0118	29.429	15.42	1.2	1.3	1.407661941
01/12/2014	09:30:30	81.013	29.4462	15.06	0.9	0.6	0.818405524
01/12/2014	10:19:13	81.0053	29.4523	14.93	0.5	0.5	0.841916061
01/12/2014	16:09:48	80.8688	29.5985	10.87	1.2	1.5	0.8359323
01/12/2014	22:21:19	81.018	29.5347	15.85	0.7	0.8	1.794839334
01/12/2014	22:52:15	80.9447	29.563	2.5	0	0	0.383612144
02/12/2014	01:31:38	80.867	29.5985	13.14	0	0	0.828022667
02/12/2014	14:51:33	81.0172	29.4168	14.23	0.9	0.5	0.732993041
02/12/2014	15:16:04	81.3188	29.5965	19.64	1.7	0.9	0.980702431
02/12/2014	15:21:02	81.0752	29.4268	11.32	0.6	1	1.304339396
02/12/2014	15:23:54	81.3232	29.5753	19.42	2.3	2	0.406687421
02/12/2014	17:40:50	81.1785	29.6732	11.48	0.8	0.4	0.554164224
02/12/2014	22:49:14	81.3308	29.523	18.91	4.2	6.2	0.653175184
02/12/2014	23:25:55	81.0707	29.4553	12.94	0.9	0.6	0.558411702
03/12/2014	06:16:02	81.1092	29.5428	14.46	2	2.3	0.46378911
03/12/2014	20:55:11	81.1845	29.433	11.68	2.2	1.3	1.072477361
04/12/2014	07:54:51	81.0278	29.4093	13.59	1.5	1	0.739066879

04/12/2014	08:09:10	80.874	29.6782	16.08	2.2	1.7	1.108770358
04/12/2014	08:31:04	80.8475	29.6392	14.12	2.6	1.3	1.476474461
04/12/2014	08:51:43	80.8472	29.6448	14.09	2.3	1.3	0.969012229
04/12/2014	09:36:50	81.2815	29.5005	22.52	0.6	0.5	0.734517337
04/12/2014	12:12:24	81.0147	29.524	15.58	0.2	0.2	0.353799391
04/12/2014	12:33:16	81.024	29.5402	16.47	0.6	0.8	3.18040461
04/12/2014	12:50:11	81.0193	29.5167	16.12	1	0.8	0.56257375
04/12/2014	13:35:17	81.3945	29.4752	17.81	2.4	2.2	1.57624519
04/12/2014	13:43:08	81.3603	29.523	20.94	1.2	0.8	1.710844176
04/12/2014	13:51:36	81.0448	29.4978	17.56	2.2	1.2	0.049757314
04/12/2014	16:31:38	81.0243	29.4155	14.86	0.8	0.8	0.764611104
04/12/2014	16:48:25	81.0277	29.518	16.63	1.3	0.9	0.319072172
04/12/2014	17:43:33	81.3207	29.4838	20.77	0.8	0.6	0.970347351
04/12/2014	20:33:35	81.029	29.5323	15.78	0.4	0.4	1.807673461
05/12/2014	01:18:28	80.801	29.7077	16.9	2.6	1.6	0.891298476
05/12/2014	02:58:41	81.2027	29.4757	5	0	0	2.301994426
05/12/2014	05:00:53	81.04	29.4663	9.65	0.7	0.6	0.327179163
05/12/2014	05:14:42	81.0112	29.4522	14.97	0.8	0.5	0.556679018
05/12/2014	09:33:05	81.0153	29.4317	15.35	0.9	0.7	1.335508466
05/12/2014	11:34:27	80.8877	29.6748	15.81	1.5	1.5	0.971840339
05/12/2014	17:48:01	81.0275	29.5385	16.36	0.5	0.6	0.82055342
05/12/2014	18:15:04	81.2213	29.408	13.79	1	1.2	1.528004085
06/12/2014	02:26:34	81.014	29.4297	14.92	0.5	0.7	1.428715706
06/12/2014	07:06:53	81.3535	29.7057	11.22	1.4	0.9	1.67666444
06/12/2014	16:32:07	81.0187	29.4467	12.81	0.3	0.3	0.06829778
06/12/2014	17:54:00	81.0313	29.5218	16.31	1	0.7	0.769613093
06/12/2014	18:33:14	81.0028	29.5305	9.04	0.6	0.8	0.747439307
07/12/2014	20:15:46	80.9688	29.5698	8.19	0.5	0.9	0.541876566
07/12/2014	20:25:08	81.3058	29.5978	15.73	0.7	0.4	0.429585029
08/12/2014	03:29:26	81.0135	29.4338	14.88	0.5	0.7	1.160264606
08/12/2014	04:00:58	81.0123	29.4283	15.15	0.6	0.8	0.907130406
08/12/2014	05:20:01	80.99	29.544	15.8	0.4	0.4	0.750630352
08/12/2014	07:57:53	81.4052	29.5722	21.87	1.6	1	1.208380721
08/12/2014	09:16:39	81.4062	29.5758	21.73	1.6	1	1.456864835
08/12/2014	16:46:47	81.2615	29.3993	18.11	1.9	2.1	0.45007257
08/12/2014	18:44:00	80.9782	29.5573	16.7	1.1	1.2	0.137492104
08/12/2014	20:17:48	81.4047	29.5707	21.82	1.4	0.9	1.075328731
09/12/2014	01:42:09	81.0125	29.4318	14.77	0.6	0.7	0.889966092
09/12/2014	01:53:24	81.0103	29.439	15.06	0.7	0.6	0.712871494
09/12/2014	02:25:09	81.0163	29.4243	14.96	0.5	0.7	1.18065236
09/12/2014	06:28:15	81.13	29.4443	14.72	0.8	0.9	1.176788942
09/12/2014	12:13:04	81.4077	29.5615	21.63	1.4	1	2.237686495
09/12/2014	12:13:39	81.4052	29.5572	22.02	0.9	0.6	2.328550996
09/12/2014	16:56:14	81.0158	29.4257	15.18	0.5	0.7	1.226721193
09/12/2014	17:57:12	81.0173	29.4253	15.33	0.5	0.7	1.556400689

09/12/2014	19:47:00	80.9915	29.5448	16.18	0.4	0.4	1.452217003
09/12/2014	20:03:58	80.9965	29.607	16.22	0.9	0.9	1.763749913
09/12/2014	21:15:43	80.9913	29.5427	15.36	0.6	0.7	0.237480133
09/12/2014	23:54:35	81.0558	29.488	12.47	0.7	0.6	1.210615111
10/12/2014	04:40:16	81.0132	29.4287	14.91	0.6	0.8	0.773638076
10/12/2014	06:27:13	81.132	29.3412	16.09	1.4	2.7	0.899138947
10/12/2014	08:55:39	81.052	29.4902	12.62	0.6	0.5	0.748469289
10/12/2014	20:11:29	81.131	29.5362	8.32	0.7	0.9	0.271069249
11/12/2014	03:11:46	81.0392	29.5937	13.58	0.7	1.1	3.671690951
11/12/2014	03:14:39	81.0382	29.5888	12.58	0.7	1	1.105925474
11/12/2014	03:47:02	81.1077	29.4103	9.61	1.1	1.5	1.771076809
11/12/2014	04:36:15	81.0402	29.5975	13.65	0.9	1.1	1.110675106
11/12/2014	04:39:22	81.0378	29.5902	13.24	0.6	1	0.632189793
11/12/2014	04:58:54	81.0288	29.6027	10.25	0.6	0.8	0.570047206
11/12/2014	05:16:17	81.042	29.595	12.99	0.8	1	1.194337979
11/12/2014	06:36:47	80.9968	29.5307	10.12	0.4	0.7	0.978885528
11/12/2014	06:38:13	81.0377	29.6057	13.71	1.1	1.1	0.654352063
11/12/2014	07:22:42	81.039	29.5895	12.74	0.6	0.8	0.983947401
11/12/2014	08:01:28	81.0358	29.5915	12.81	0.7	0.9	0.932281296
11/12/2014	11:36:29	81.037	29.5855	12.86	0.7	1.1	0.943997622
11/12/2014	14:10:19	81.037	29.5902	12.84	0.8	1	0.591406047
11/12/2014	14:21:03	81.0363	29.5873	12.36	0.5	0.7	0.36045375
11/12/2014	15:21:00	81.3788	29.5183	19.55	1.5	1.2	1.536099451
11/12/2014	15:45:34	81.4142	29.4598	18.81	1.5	1.8	1.101078054
11/12/2014	20:37:56	81.0167	29.4285	14.58	0.6	0.7	0.718972692
11/12/2014	23:43:45	81.0368	29.5927	13.58	0.7	0.8	0.788454328
12/12/2014	02:38:06	81.375	29.5068	15.82	1.2	1.2	0.895122796
12/12/2014	04:59:40	81.1513	29.6057	5	6.4	4.2	1.48351377
12/12/2014	08:34:22	81.0798	29.6758	16.99	1.4	1.3	0.839647228
12/12/2014	08:40:34	81.0818	29.6768	17.92	1.1	1	1.94996579
12/12/2014	12:21:44	81.0363	29.5852	13.22	0.7	0.9	0.916704498
12/12/2014	21:57:03	81.0355	29.6557	16.62	1	1	0.30363417
12/12/2014	22:00:24	81.3818	29.5065	16.73	1.2	1.2	1.209500277
13/12/2014	06:55:00	81.2795	29.3925	17.53	0.7	1.2	3.441659323
13/12/2014	07:05:48	81.2795	29.4065	16.93	1.5	1.6	1.197491121
13/12/2014	07:23:11	81.2967	29.3923	15.32	0.6	1.3	2.072817909
13/12/2014	07:43:16	81.2868	29.4048	16.36	1.1	1.3	1.405895312
13/12/2014	08:50:18	81.2815	29.4037	15.79	1.2	1.9	1.249107914
13/12/2014	08:57:12	81.2838	29.4117	15.75	1.7	1.9	1.100847254
13/12/2014	09:03:24	80.8873	29.6217	6.68	0.7	0.6	1.006593472
13/12/2014	09:51:51	81.2795	29.3892	17.93	0.9	1.6	1.146453459
13/12/2014	10:54:11	80.9705	29.4995	12.66	0.8	0.9	0.954942275
13/12/2014	11:13:55	81.0865	29.4912	3.5	0.9	0.8	0.769884293
13/12/2014	14:23:51	81.2285	29.6467	10.04	1.6	1.2	0.407579655
13/12/2014	14:42:29	81.0383	29.5973	12.99	0.7	1	0.411703213

13/12/2014	17:44:46	81.287	29.3975	15.83	1.4	1.8	1.200970065
13/12/2014	18:55:10	80.8197	29.4838	12.1	0.6	0.8	0.584870225
13/12/2014	20:52:39	81.1572	29.3975	11.59	1.4	1.8	0.757084757
13/12/2014	22:39:25	81.0278	29.5268	15.33	0.6	0.7	0.457251132
14/12/2014	01:54:06	80.9912	29.6873	3.75	1.1	5.2	0.956098512
14/12/2014	02:31:12	81.0142	29.4362	11.02	0.7	1.1	1.67613835
14/12/2014	05:11:54	81.2952	29.3968	16.12	0.6	1.1	1.597558819
14/12/2014	06:58:33	81.275	29.4043	18.38	1.6	1.6	0.822296106
14/12/2014	12:01:54	81.2953	29.3982	16.77	2.2	4.4	1.295882114
14/12/2014	15:11:43	81.1695	29.6048	13.61	0.7	0.6	0.657005608
14/12/2014	18:31:18	81.02	29.5042	9.39	0.7	0.9	0.493441195
14/12/2014	19:30:56	81.0787	29.4893	15.52	1.2	0.6	0.637351129
14/12/2014	19:42:46	81.0613	29.5207	15.75	0.5	0.5	1.825841142
14/12/2014	19:54:03	81.0655	29.5132	15.26	0.7	0.5	0.70814653
14/12/2014	20:15:11	81.0615	29.5138	16.21	0.6	0.6	1.953808589
14/12/2014	21:34:18	81.024	29.4417	10.29	0.9	1.1	0.730862022
14/12/2014	22:12:29	80.9792	29.5527	10.34	0.5	0.7	0.976556393
15/12/2014	02:31:24	81.2715	29.4155	17.57	1	1.1	1.356243856
15/12/2014	13:51:10	81.0612	29.5155	14.81	0.6	0.4	0.446849692
15/12/2014	14:53:24	80.9138	29.7033	13.3	0.9	1	1.353630732
15/12/2014	17:17:28	81.0927	29.6698	15.57	1.5	1.4	0.532041477
15/12/2014	19:02:41	81.0705	29.5032	14.58	1.1	0.7	0.42477541
15/12/2014	19:18:24	81.4165	29.5638	21.28	1.3	0.9	1.251552229
15/12/2014	22:11:41	80.9375	29.493	11.91	1.2	1.4	0.624844925
16/12/2014	00:04:16	80.9418	29.49	12.47	0.6	0.7	1.338163463
16/12/2014	09:33:54	81.2892	29.389	16.25	0.7	1.5	1.632579877
16/12/2014	09:40:31	81.093	29.4933	14.9	0.7	0.5	0.58776704
16/12/2014	12:13:24	81.2667	29.4065	17.46	0.8	0.8	0.794788648
16/12/2014	12:22:19	81.0627	29.5227	14.06	1.1	1	0.393331416
16/12/2014	13:58:24	81.0302	29.513	9.97	0.9	0.9	0.579125418
16/12/2014	18:43:56	81.2943	29.3845	17.45	0.6	1.2	3.784497892
16/12/2014	18:50:35	81.2985	29.3922	16.53	0.5	0.9	1.632296863
16/12/2014	18:55:39	81.298	29.3858	15.53	0.6	1.1	2.192629084
16/12/2014	19:17:25	81.3052	29.377	11.63	0.6	1.7	1.467872849
16/12/2014	19:20:09	81.3008	29.378	11.61	0.5	1.5	1.649800217
16/12/2014	19:33:06	81.319	29.3793	12.39	1.2	2.2	0.712276087
16/12/2014	19:48:37	81.0983	29.491	15.8	1	0.5	0.667771231
16/12/2014	20:00:34	81.0717	29.5032	15.61	0.7	0.5	1.121228061
16/12/2014	20:17:09	81.3055	29.3863	14.85	0.6	1.3	1.627919962
16/12/2014	20:34:28	81.2867	29.3883	16.03	2.5	3.2	0.550969543
16/12/2014	20:46:09	81.0865	29.4807	15.28	1.6	1.1	1.154978661
16/12/2014	21:56:34	81.2932	29.3828	15.76	0.7	1.4	3.101564995
16/12/2014	22:06:10	81.0865	29.4472	10.96	1.2	0.6	0.765730164
16/12/2014	23:17:36	81.0723	29.5003	15.56	0.5	0.3	1.547516707
17/12/2014	00:21:22	81.3012	29.3795	10.93	0.5	1.9	1.203251757

17/12/2014	07:13:30	81.0747	29.4885	15.65	1.1	0.6	1.148677519
17/12/2014	15:07:03	81.0562	29.5158	14.61	0.8	0.7	0.122249483
17/12/2014	15:12:15	81.0513	29.5242	14.42	0.9	0.8	0.21062579
17/12/2014	15:19:06	81.0588	29.513	15.89	0.6	0.5	1.443250488
17/12/2014	17:08:00	81.0713	29.5032	14.73	1.2	1	1.104704221
17/12/2014	17:33:41	81.0645	29.5103	16.55	0.6	0.5	2.051223732
17/12/2014	17:44:39	81.0587	29.5188	14.53	0.9	0.7	0.714340244
17/12/2014	17:55:41	81.0595	29.5135	15	0.8	0.7	0.500773301
17/12/2014	20:14:08	81.3212	29.6358	13.98	1.4	0.7	0.733358091
17/12/2014	22:45:55	80.9353	29.491	11.37	0.8	0.9	0.362464401
18/12/2014	00:39:57	81.0597	29.5133	14.76	0.8	0.6	0.735774692
18/12/2014	00:45:53	81.0628	29.509	15.8	0.7	0.5	1.373979213
18/12/2014	01:20:32	80.872	29.5627	12.9	0.4	0.5	0.8206202
18/12/2014	02:51:04	80.9342	29.4893	11.11	1	1.2	0.446445431
18/12/2014	06:08:08	81.1623	29.356	14.5	1.9	2.6	0.883666271
18/12/2014	10:47:26	81.0602	29.5103	14.5	0.8	0.6	0.245824218
18/12/2014	11:50:43	81.1953	29.5732	11.24	0.7	0.7	0.742661772
18/12/2014	17:33:13	81.1188	29.4382	12.38	0.5	0.7	1.042656328
18/12/2014	17:48:19	81.2698	29.599	13.75	0.5	0.3	0.244501169
18/12/2014	18:58:54	80.8688	29.5985	5	4.8	4.6	1.584373758
18/12/2014	19:43:47	80.877	29.566	12.93	0.5	0.5	0.963472478
18/12/2014	20:15:35	81.0235	29.3277	10.6	0.8	2	1.25393273
18/12/2014	21:30:39	81.3015	29.392	14.89	0.6	1.2	0.966135748
19/12/2014	01:34:04	81.0642	29.5045	14.54	0.8	0.7	0.35012656
19/12/2014	05:16:51	81.0705	29.5032	15.18	0.9	0.7	0.850621505
19/12/2014	11:06:33	81.0102	29.3598	17.03	1.2	1.5	1.169850544
19/12/2014	11:41:31	81.064	29.5095	14.85	0.5	0.4	1.089673556
19/12/2014	13:08:37	80.89	29.4317	11.87	0.4	0.4	1.062276137
19/12/2014	16:00:16	81.3433	29.5925	18	0.8	0.5	1.446530801
19/12/2014	16:20:37	81.4088	29.5727	22.21	1.3	0.8	1.084165752
19/12/2014	16:51:28	81.3163	29.5698	18.05	0.9	0.6	1.202044163
19/12/2014	19:57:38	81.0517	29.5188	15.18	0.9	0.7	0.357019557
19/12/2014	22:04:42	81.055	29.5138	15.24	0.5	0.4	0.426959571
19/12/2014	22:22:52	81.059	29.5122	15.76	0.5	0.4	1.239172866
19/12/2014	22:26:30	81.0568	29.5137	15.5	0.6	0.5	0.83342861
19/12/2014	23:10:39	80.6962	29.691	15.68	1.7	2	1.515026192
20/12/2014	04:29:52	81.4752	29.648	3.7	5.3	23.2	0.582902281
20/12/2014	05:15:15	81.0645	29.5032	14.88	0.6	0.6	0.628024511
20/12/2014	10:37:50	80.712	29.5723	14.78	1.3	1	1.066448421
20/12/2014	11:10:46	80.875	29.372	6.61	0.1	0.3	0.685269531
20/12/2014	14:01:12	81.0808	29.4445	11.04	1	0.8	0.331584787
20/12/2014	15:43:57	81.0605	29.5157	15.25	0.5	0.5	0.750712839
20/12/2014	22:03:52	80.9495	29.6498	14.98	1.1	0.9	0.234457763
21/12/2014	00:02:36	81.3693	29.5142	20.2	0.9	0.7	1.801158338
21/12/2014	00:13:38	81.0547	29.5138	15.43	0.8	0.7	0.156184424

21/12/2014	00:16:17	81.0503	29.5137	15.32	0.6	0.5	0.285397672
21/12/2014	01:01:44	80.9088	29.4235	12.18	0.5	0.7	1.052479936
21/12/2014	08:40:44	81.0677	29.5067	14.93	0.8	0.6	0.885557989
21/12/2014	09:09:10	81.06	29.5032	14.89	0.5	0.4	0.839955074
21/12/2014	15:39:25	80.9088	29.3817	12.79	0.6	1.2	1.98865224
21/12/2014	16:03:53	81.0553	29.5133	15.77	0.6	0.5	1.141758649
21/12/2014	17:45:10	80.924	29.603	12.51	0.9	1.1	1.498368737
21/12/2014	17:57:21	80.9657	29.5107	11.29	0.6	0.6	0.33141151
22/12/2014	04:46:59	81.0597	29.5032	9.85	0.8	0.7	0.191127301
22/12/2014	13:08:12	81.2333	29.4163	13.15	1	1.1	1.66242103
22/12/2014	13:31:40	81.0597	29.5032	9.97	0.4	0.4	0.335117536
22/12/2014	14:32:17	80.9645	29.4965	13.12	0.7	0.8	1.286442472
22/12/2014	14:53:20	81.2818	29.4953	18.77	1.5	1.3	1.370538106
22/12/2014	19:42:54	81.0632	29.5032	15.76	0.8	0.6	1.01456085
22/12/2014	20:37:35	81.0593	29.5135	15.98	0.5	0.4	1.833333196
22/12/2014	20:41:51	81.0582	29.5125	14.59	0.7	0.6	0.217250424
22/12/2014	20:45:10	81.0663	29.5085	15.57	0.9	0.7	0.909355034
22/12/2014	20:47:25	81.0602	29.5098	15.65	0.7	0.6	0.433028119
22/12/2014	20:50:04	81.0533	29.52	15.84	0.6	0.5	1.34958321
22/12/2014	21:34:49	81.3772	29.5932	16.26	2	1.4	0.782260766
22/12/2014	21:39:36	81.3533	29.6045	17.36	0.9	0.5	1.49363929
22/12/2014	21:48:16	81.077	29.4857	12.67	1.8	1.4	1.240350047
22/12/2014	22:04:44	81.0668	29.5032	15.07	0.7	0.4	0.44989248
22/12/2014	22:08:55	81.0622	29.512	15.38	0.7	0.6	0.394898857
22/12/2014	22:11:07	81.0673	29.5032	15.21	0.8	0.6	0.161227462
22/12/2014	23:38:20	81.0582	29.5135	15.54	0.5	0.4	1.11644049
23/12/2014	01:07:12	81.0813	29.4465	11.23	0.8	0.9	0.378036621
23/12/2014	01:19:23	81.0598	29.5018	14.1	0.7	0.7	0.364475452
23/12/2014	07:10:58	81.0578	29.5032	15.03	0.7	0.5	0.766224151
23/12/2014	10:21:02	80.94	29.4952	11.92	0.7	0.8	0.94957178
23/12/2014	10:33:53	81.2982	29.4025	16.28	1.8	1.9	0.954514276
23/12/2014	11:44:19	81.1028	29.3515	12.01	2.5	3.4	0.72955381
23/12/2014	16:33:06	80.8763	29.5632	13.24	0.5	0.6	1.073010656
23/12/2014	19:59:17	81.0153	29.4342	13.91	0.7	0.9	0.310122595
23/12/2014	20:09:55	81.296	29.3867	15.76	0.6	1.1	1.537135666
23/12/2014	22:53:38	81.0152	29.4325	14.56	0.5	0.7	0.629417421
24/12/2014	05:56:26	81.0663	29.5093	16.37	0.6	0.5	1.523147119
24/12/2014	10:29:38	81.0115	29.4372	15.14	0.7	0.7	0.916822249
24/12/2014	12:02:51	81.0115	29.4312	14.79	0.6	0.7	1.007732131
24/12/2014	14:14:47	81.13	29.6973	15.34	0.8	0.8	2.278688475
24/12/2014	18:57:35	81.0557	29.4923	13.25	0.4	0.5	1.782381872
24/12/2014	23:13:47	80.7313	29.2717	10	0.9	2	1.75372034
25/12/2014	00:43:27	81.2867	29.5398	16.33	0.7	0.6	1.023720606
25/12/2014	02:40:55	81.2253	29.4428	14.66	1.3	1.2	1.702324618
25/12/2014	04:31:06	81.1902	29.5838	13.25	0.8	0.8	1.309921631

25/12/2014	05:36:38	81.2955	29.4935	17.29	1.2	1.2	0.867007267
25/12/2014	06:53:30	81.0648	29.5032	14.76	0.5	0.4	0.391101971
25/12/2014	08:42:15	80.9702	29.503	11.2	0.6	0.8	0.996766081
25/12/2014	09:26:35	81.2893	29.5297	17.72	1	0.8	0.726417296
25/12/2014	10:37:07	81.2927	29.4843	16.81	1.2	1	1.005062949
25/12/2014	14:04:05	81.4617	29.43	5	1.2	9.2	1.575747096
25/12/2014	14:12:17	81.3693	29.5048	19.54	1.2	1.1	1.124539045
25/12/2014	16:57:27	81.0678	29.509	15.07	0.6	0.5	1.052225268
25/12/2014	17:10:00	81.0632	29.5118	14.95	0.7	0.7	0.413425357
25/12/2014	17:41:57	81.069	29.5068	15.25	0.4	0.5	0.643883311
25/12/2014	17:47:12	81.0878	29.5622	8.4	0.6	1.2	0.670662567
25/12/2014	19:07:19	81.069	29.5032	14.58	0.8	0.6	0.385218557
25/12/2014	20:36:41	81.2575	29.6588	10.23	0.9	0.6	1.055418967
26/12/2014	02:37:56	81.0672	29.5032	14.75	0.6	0.5	1.004901767
26/12/2014	03:30:08	81.0543	29.5075	15.49	0.5	0.3	0.413663625
26/12/2014	05:27:38	80.9413	29.5478	8.29	0.8	1.3	0.453213427
26/12/2014	07:16:56	81.2817	29.4887	17.41	1.2	1.1	1.514485922
26/12/2014	16:29:12	81.067	29.5032	14.69	0.6	0.5	0.506687102
26/12/2014	20:16:26	81.068	29.5032	14.7	0.8	0.6	0.240866706
27/12/2014	11:15:13	80.9467	29.5073	13.74	0.6	0.6	1.086156758
27/12/2014	11:19:47	80.947	29.507	14.55	0.5	0.5	2.44079389
27/12/2014	12:27:41	80.9457	29.509	14.15	0.5	0.5	1.030561854
27/12/2014	16:52:39	81.2883	29.3718	18.72	0.6	1.2	1.330651089
27/12/2014	17:13:02	80.8688	29.6247	14.18	1	0.8	1.183787744
27/12/2014	18:22:29	81.2867	29.4905	17.98	1.3	1.2	1.645272262
27/12/2014	19:24:51	81.2737	29.3685	18.66	0.8	1.6	0.999702845
27/12/2014	20:06:22	81.2918	29.3612	15.54	0.5	1.2	1.563399872
27/12/2014	21:03:25	81.2927	29.3648	17.41	0.6	1.2	1.818072367
27/12/2014	21:27:08	80.9472	29.5097	14.3	0.5	0.6	0.841806836
27/12/2014	21:32:09	80.946	29.5122	13.79	0.6	0.8	0.445152376
27/12/2014	22:54:18	81.1583	29.3897	15.51	1.2	1.6	0.775186814
27/12/2014	23:11:43	80.8212	29.4927	12.46	0.5	0.6	0.479775074
28/12/2014	01:07:47	80.7555	29.4857	11.24	0.6	0.4	1.63861106
28/12/2014	01:32:21	81.1513	29.6057	5	7.2	6.2	1.495889507
28/12/2014	02:06:13	80.8777	29.5623	13.61	0.5	0.5	1.124797118
28/12/2014	02:56:17	81.0678	29.509	15.42	0.6	0.6	1.136067219
28/12/2014	05:04:05	80.9472	29.5068	14.42	0.4	0.5	2.134452627
28/12/2014	05:21:12	81.002	29.594	13.36	0.8	1	0.79550311
28/12/2014	11:09:48	80.9383	29.393	13.64	0.3	0.6	2.309261201
28/12/2014	14:11:44	81.06	29.4912	13.79	1.6	1.6	0.499093132
28/12/2014	15:28:42	80.9895	29.416	12.61	0.7	0.7	0.491755727
28/12/2014	15:35:03	81.0597	29.5078	16.01	0.7	0.6	0.859491946
28/12/2014	15:45:59	81.4382	29.4028	17.17	0.8	2	1.059606666
28/12/2014	17:34:14	81.2852	29.4865	17.17	1.2	1.2	0.961284649
28/12/2014	18:23:58	81.0535	29.5203	16.63	0.6	0.6	3.707953686

28/12/2014	18:32:01	81.0672	29.5032	14.63	0.8	0.6	0.311476218
28/12/2014	18:46:11	81.0685	29.5032	16.04	0.9	0.7	0.662112828
28/12/2014	19:15:34	81.0638	29.5103	15.01	0.7	0.5	0.351968353
28/12/2014	19:48:56	81.0202	29.5052	11.24	0.5	0.7	0.96784292
28/12/2014	21:55:17	81.0672	29.504	14.84	0.7	0.5	0.3450719
28/12/2014	22:02:02	81.0655	29.5032	14.84	0.8	0.6	0.269660539
28/12/2014	22:20:59	81.063	29.5162	15.28	0.5	0.4	0.872572126
28/12/2014	22:29:33	81.049	29.5227	15.93	0.5	0.4	1.097607392
28/12/2014	22:40:48	81.0653	29.5073	14.56	0.7	0.6	0.36639675
28/12/2014	23:04:17	81.0118	29.3425	12.72	0.9	1.2	0.585204099
29/12/2014	01:35:16	81.0673	29.5032	14.49	0.5	0.5	0.837518152
29/12/2014	01:39:43	81.0678	29.5063	15.17	0.6	0.5	0.759652961
29/12/2014	01:56:30	80.9788	29.3643	11.59	0.5	1.1	1.757990638
29/12/2014	02:52:30	81.0615	29.503	13.82	0.7	0.8	0.453260295
29/12/2014	03:22:27	81.0522	29.5178	15.79	0.7	0.5	1.049740062
29/12/2014	05:55:36	81.0737	29.5012	15.71	0.6	0.5	1.220758759
29/12/2014	06:05:47	81.0808	29.3802	14.52	0.7	1	0.926574565
29/12/2014	10:28:39	81.052	29.5193	15.7	0.5	0.5	2.022921392
29/12/2014	14:14:23	80.8638	29.6	15.18	0.6	0.6	0.710330048
29/12/2014	17:18:04	80.8712	29.5653	13.36	0.4	0.4	0.411547598
29/12/2014	18:43:27	81.0507	29.5167	15.24	0.6	0.5	0.435201429
29/12/2014	23:22:44	81.0658	29.5042	14.98	0.7	0.6	0.555990417
29/12/2014	23:30:13	81.0695	29.5032	15.26	0.5	0.4	0.80116633
29/12/2014	23:39:24	81.063	29.5112	15.47	0.8	0.7	0.820583904
30/12/2014	01:18:50	81.0687	29.5042	14.83	0.7	0.5	0.875914345
30/12/2014	05:55:54	81.0617	29.5137	15.56	0.8	0.7	0.571405712
30/12/2014	09:37:40	81.0657	29.5163	14.11	0.5	0.5	0.515809599
30/12/2014	13:11:29	81.056	29.5032	12.59	1.1	1	0.391430795
30/12/2014	13:41:56	81.072	29.506	15.71	0.6	0.5	1.450477798
30/12/2014	14:08:58	81.0745	29.5032	15.69	0.8	0.6	1.389279725
30/12/2014	18:24:27	81.0708	29.5032	14.72	0.9	0.5	0.545246123
30/12/2014	19:14:06	81.3273	29.5608	13.93	0.8	0.7	0.498284156
30/12/2014	23:06:21	81.0143	29.4295	15.28	0.4	0.6	1.602546857
31/12/2014	06:56:42	81.073	29.491	14.86	1	0.6	0.963273717
31/12/2014	07:04:24	81.0662	29.5032	14.05	2	1.3	1.358903236
31/12/2014	10:11:37	80.8688	29.6455	18.6	1.2	1	1.705598837
31/12/2014	13:59:16	80.883	29.5615	12.92	0.5	0.6	0.997887298
31/12/2014	14:46:10	81.0642	29.5032	15.35	1	0.4	0.738492429
31/12/2014	17:28:06	81.0602	29.5107	14.71	0.6	0.4	0.436246999
31/12/2014	20:27:08	81.0535	29.5183	15.25	0.5	0.4	0.902914495
31/12/2014	20:56:21	81.0655	29.5032	15.16	1	0.4	0.690564615
31/12/2014	21:14:24	81.0552	29.5157	14.75	0.6	0.4	0.463449789
31/12/2014	23:16:33	81.1243	29.7158	9.28	1.8	2.7	0.684630693
01/01/2015	00:29:16	81.0457	29.594	14.48	0.8	0.8	0.544219383
01/01/2015	02:35:45	81.0657	29.5035	15.21	1.4	0.9	0.68895785

01/01/2015	05:45:08	81.0865	29.5032	5	0	0	3.902210324
01/01/2015	08:14:56	81.0127	29.429	14.29	0.9	0.8	0.885152709
01/01/2015	08:49:46	81.0157	29.428	15.1	0.9	0.7	1.602194455
01/01/2015	12:01:27	81.0907	29.4783	12.06	0.4	0.3	0.252413357
01/01/2015	12:24:58	81.0898	29.483	12.14	0.3	0.3	0.667793451
01/01/2015	13:27:25	81.0907	29.437	30.63	8.4	3.9	0.967037466
01/01/2015	17:21:20	81.0617	29.5105	15.2	0.7	0.5	0.755935644
01/01/2015	18:23:11	81.0705	29.5083	14.71	0.6	0.5	0.381093251
01/01/2015	18:26:26	81.0687	29.5075	14.46	0.7	0.6	0.373145386
01/01/2015	22:25:09	81.1017	29.7063	16.85	0.9	0.7	0.889452885
02/01/2015	01:37:55	80.7523	29.4475	12.7	0.7	0.6	0.811435136
02/01/2015	01:52:25	81.0673	29.5162	14.68	0.3	0.3	0.509771972
02/01/2015	02:00:33	81.2428	29.5658	12.75	0.9	0.8	0.87302949
02/01/2015	12:50:38	81.0612	29.5212	13.64	0.7	0.7	0.837288462
02/01/2015	15:04:13	81.0765	29.5077	15.52	0.7	0.6	1.08292764
02/01/2015	15:39:32	81.0715	29.4885	14.09	3.2	2.1	0.261413704
02/01/2015	19:48:24	81.0485	29.5258	14.78	1.2	0.9	0.279577232
02/01/2015	22:21:28	81.0695	29.5032	14.89	0.7	0.5	0.757657089
02/01/2015	23:17:05	80.8688	29.5985	5	12	11.4	2.615158348
03/01/2015	00:32:26	81.2157	29.6102	16.5	1	0.7	1.363470553
03/01/2015	12:32:25	81.0507	29.513	14.17	0.6	0.6	0.513502391
03/01/2015	15:46:51	80.8688	29.6382	5	5.5	4.1	1.373283475
03/01/2015	22:09:01	81.0833	29.555	9.79	0.5	0.6	0.885600741
04/01/2015	01:01:11	81.0498	29.5183	15.72	1.7	1.2	0.272861607
04/01/2015	12:38:53	81.0667	29.5062	14.9	0.2	0.2	0.313441214
04/01/2015	14:07:53	81.0698	29.5042	14.96	0.6	0.6	0.623485982
04/01/2015	14:11:24	81.0703	29.5077	14.79	0.5	0.4	0.380484423
04/01/2015	15:33:46	81.2397	29.3567	16.37	2.1	2.4	0.660480408
04/01/2015	19:17:07	81.0108	29.4353	15.02	0.7	0.3	0.355556286
05/01/2015	05:39:15	81.1235	29.389	16.77	3.2	2.2	0.576888108
05/01/2015	08:25:23	81.0697	29.5087	14.61	0.7	0.5	0.700450947
05/01/2015	09:03:22	81.0718	29.5032	14.9	0.6	0.6	0.849069493
05/01/2015	13:17:25	80.8813	29.5985	8.75	0.8	1.2	0.925080716
05/01/2015	14:43:50	81.0575	29.314	10.73	1.2	1.8	0.522122767
05/01/2015	16:41:45	81.0725	29.504	16.36	0.6	0.4	1.719278604
05/01/2015	16:46:45	81.0695	29.5102	15.92	0.5	0.4	1.213949689
05/01/2015	16:51:39	81.0783	29.4922	14.08	1.2	1.5	1.477401822
05/01/2015	17:08:45	81.0745	29.5025	15.23	0.8	0.6	0.337118444
05/01/2015	22:07:45	81.1075	29.7155	16.85	1.1	1	1.008250421
05/01/2015	23:00:16	81.0098	29.4468	14.82	0.9	0.4	0.407350856
05/01/2015	23:49:33	81.0708	29.5032	14.49	0.7	0.5	0.431493722
06/01/2015	03:47:53	80.9885	29.5088	11.12	0.6	0.6	0.974458477
06/01/2015	10:50:00	81.0643	29.5077	15.48	0.6	0.5	1.198578834
06/01/2015	10:55:13	81.0673	29.5077	15.5	0.7	0.6	1.347694003
06/01/2015	10:56:03	81.067	29.509	14.59	0.5	0.4	1.138872686

06/01/2015	11:01:26	81.0662	29.5002	15.36	0	0	0.322539303
06/01/2015	13:29:57	81.2745	29.4523	15.74	1.7	2.1	0.461699555
06/01/2015	16:49:58	81.0655	29.509	14.59	0.8	0.5	0.398260991
06/01/2015	18:13:34	81.2117	29.4108	13.93	0.9	0.9	1.592658365
07/01/2015	01:16:39	81.0723	29.501	15.07	0.5	0.4	0.239838893
07/01/2015	01:20:22	81.0693	29.5062	15.08	0.5	0.5	1.088179407
07/01/2015	01:56:01	81.3928	29.4718	13.9	1.4	1.4	0.960546557
07/01/2015	12:14:05	81.0713	29.5032	14.98	0.6	0.5	1.089605471
07/01/2015	13:50:52	81.4765	29.4537	5	6.8	4.3	1.695171049
07/01/2015	21:03:35	81.343	29.4772	8.3	0.4	1.1	0.41367969
07/01/2015	21:19:34	81.0682	29.5077	14.66	0.7	0.5	0.395598749
07/01/2015	21:29:58	81.053	29.5203	14.63	0.8	0.6	0.266361873
08/01/2015	05:16:23	81.4198	29.4213	19.19	1.4	1.4	2.495169498
08/01/2015	05:21:02	81.2915	29.5167	16.4	0.9	1.1	1.152567422
08/01/2015	08:01:20	80.8532	29.6723	15.42	0.9	0.6	1.309926475
08/01/2015	08:25:29	80.847	29.7022	5	1.8	9.3	1.038452996
08/01/2015	13:10:21	81.0787	29.4918	11.59	1.3	1.6	1.566865948
08/01/2015	19:57:34	81.094	29.554	12.22	0.8	0.9	0.735521022
08/01/2015	20:10:18	80.6838	29.6995	15.47	1.9	2	0.809359899
09/01/2015	06:09:07	81.01	29.4455	14.86	0.7	0.5	0.912120677
09/01/2015	11:01:17	81.0717	29.5123	14.01	0.9	0.7	0.933865039
09/01/2015	11:05:13	81.0637	29.5332	14.45	0.6	0.3	0.607074596
09/01/2015	14:03:25	81.1973	29.5698	12.05	0.8	0.7	1.226313177
09/01/2015	14:25:19	81.3323	29.4518	7.3	2	3.3	0.324063764
10/01/2015	00:42:29	81.175	29.508	6.31	0.6	1	0.711667513
10/01/2015	04:07:16	81.0542	29.5032	15.07	0.9	0.6	1.388585331
10/01/2015	08:40:05	81.0345	29.533	15.59	1	0.8	0.679674039
10/01/2015	08:44:39	81.0322	29.5258	14.88	0.9	1	0.436786753
10/01/2015	16:03:52	80.9055	29.4247	11.87	0.8	0.6	0.372373593
10/01/2015	21:31:33	81.2283	29.5725	12.9	0.7	0.6	0.807716178
11/01/2015	00:04:59	81.2368	29.5603	14.41	1.4	1.5	0.703083677
11/01/2015	00:32:58	81.0477	29.5203	15.04	0.8	0.6	0.507830218
11/01/2015	09:42:02	81.0682	29.5178	14.7	0.5	0.3	0.664801491
11/01/2015	12:26:42	81.0692	29.5133	14.91	0.6	0.4	1.27955283
11/01/2015	12:29:24	81.0733	29.5045	15.25	1	0.4	0.655925928
11/01/2015	12:48:25	81.0743	29.5017	14.57	0.7	0.3	0.843855952
11/01/2015	21:12:48	81.0865	29.4828	15.29	1.1	0.5	0.343174221
11/01/2015	21:15:15	81.0752	29.5032	14.12	1.1	0.7	0.942069428
12/01/2015	01:35:42	81.0865	29.4837	15.13	0.9	0.5	0.856202328
12/01/2015	06:33:31	81.0865	29.4848	14.9	1.3	0.8	0.346290143
12/01/2015	06:34:48	81.3552	29.5412	13.81	0.6	0.6	1.211044118
12/01/2015	06:43:50	80.9105	29.6153	14.47	0.7	0.9	1.921388752
12/01/2015	14:04:20	81.2872	29.5718	19.14	0.6	0.5	1.327782809
12/01/2015	17:42:05	81.0512	29.5255	14.8	0.7	0.6	0.550876509
12/01/2015	23:28:28	81.072	29.5002	14.21	1.3	0.7	0.704739953

13/01/2015	02:56:36	80.9775	29.3787	11.09	1.6	1.3	1.771298033
13/01/2015	12:16:58	80.8592	29.7603	2.25	2.2	11.9	2.657594634
13/01/2015	15:18:58	81.0617	29.5218	14.26	0.3	0.2	0.201490634
13/01/2015	17:31:52	80.7437	29.5227	5	4.2	5	1.873833666
13/01/2015	18:27:52	81.0458	29.5208	13.14	0.9	1	0.550669422
13/01/2015	21:39:38	81.2762	29.5022	10.74	0.6	1.1	0.180132216
14/01/2015	05:25:17	81.0658	29.5032	13.47	1.1	0.8	0.571353109
14/01/2015	07:58:20	80.8688	29.5985	5	6.9	5.8	1.915568597
14/01/2015	10:32:11	80.9938	29.3645	10.96	1.1	1.5	1.193487598
14/01/2015	13:50:36	80.922	29.5217	14.89	0.7	0.7	1.611354912
15/01/2015	07:49:37	80.8688	29.5985	5	27	24.8	1.529423389
15/01/2015	14:47:11	80.9893	29.5078	10.75	0.5	0.7	1.08413272
15/01/2015	15:01:25	81.2408	29.444	16.44	1.9	2.1	0.543636327
15/01/2015	15:16:25	80.9872	29.5148	10.63	0.4	0.6	0.382110788
15/01/2015	18:05:58	80.983	29.5215	9.38	1	1.6	0.465240505
15/01/2015	18:22:41	80.9892	29.5113	11.02	0.5	0.7	0.663222464
16/01/2015	09:09:20	81.0717	29.5092	15.05	0.8	0.6	0.949029945
16/01/2015	09:23:24	81.0707	29.5072	14.66	0.6	0.5	1.050716543
16/01/2015	13:33:07	81.0693	29.5095	14.33	0.7	0.6	0.511776178
16/01/2015	13:41:26	81.023	29.381	12.99	5	4.5	0.379844574
16/01/2015	15:46:50	81.0707	29.504	14.66	0.7	0.5	0.775429915
16/01/2015	20:18:52	80.99	29.5332	5.63	0.7	1.6	0.011144992
17/01/2015	02:42:00	81.2027	29.4082	10.08	1.9	2.8	1.036208592
17/01/2015	11:20:05	81.0027	29.436	16.42	3	1.4	0.68991029
17/01/2015	13:58:15	81.0338	29.5492	15.44	1.2	1.2	0.304240257
17/01/2015	17:46:27	81.2187	29.6015	15.46	0.9	0.6	1.14853043
17/01/2015	20:14:23	81.2823	29.5793	10.15	0.8	0.8	0.590194668
18/01/2015	00:32:54	80.7323	29.636	15.61	0.9	0.6	1.128208268
18/01/2015	06:42:52	81.3978	29.4733	14.64	1.4	1.2	1.517855146
18/01/2015	08:45:42	81.0895	29.4912	6.5	0.5	0.5	1.345054403
18/01/2015	12:52:00	81.0623	29.516	15.06	0.5	0.4	0.356652551
18/01/2015	13:15:04	81.0618	29.5138	14.99	0.7	0.6	0.859966145
18/01/2015	13:33:16	81.068	29.504	14.78	0.7	0.5	0.395063344
18/01/2015	14:02:22	80.9875	29.5835	19.3	0.6	0.6	3.44261847
18/01/2015	14:42:26	81.0672	29.5113	14.7	0.6	0.5	0.530919131
18/01/2015	15:29:05	81.072	29.5047	16.05	0.5	0.4	1.808073942
18/01/2015	15:31:35	81.069	29.5075	15.22	0.7	0.6	0.76935367
18/01/2015	15:39:05	81.07	29.5082	14.82	0.6	0.4	0.235880414
18/01/2015	16:23:34	81.0678	29.5145	14.25	0.6	0.5	0.021386803
18/01/2015	18:27:59	81.0743	29.5087	15.55	0.7	0.5	0.512746654
18/01/2015	18:37:08	80.7437	29.5245	11.21	13.1	12.6	2.531193627
18/01/2015	19:42:55	81.0742	29.5042	15.41	0.8	0.5	0.683679715
18/01/2015	20:29:29	81.0623	29.5032	19.12	1.9	1.4	1.337485773
18/01/2015	20:41:15	81.0668	29.5032	14.95	3.5	1.7	0.40857407
18/01/2015	20:51:29	81.0662	29.5128	14.39	0.6	0.4	0.907303239

18/01/2015	20:52:02	81.0683	29.5082	15.51	0.6	0.5	1.364193036
18/01/2015	23:27:50	81.0723	29.51	14.94	0.6	0.5	0.232331124
18/01/2015	23:45:45	81.0663	29.5087	14.6	0.7	0.5	0.435693751
19/01/2015	03:42:35	81.0692	29.4992	14.27	0.6	0.5	0.768742355
19/01/2015	06:16:23	81.0638	29.5117	14.84	0.2	0.2	0.181328028
19/01/2015	08:01:53	81.069	29.5032	14.43	0.8	0.6	0.512534193
19/01/2015	11:12:34	80.7235	29.5577	15.05	1.6	0.8	1.792106778
19/01/2015	13:00:20	81.0705	29.503	14.85	0.8	0.8	0.836741671
19/01/2015	13:13:32	81.066	29.5087	14.83	0.6	0.5	0.582015256
19/01/2015	13:19:42	81.0718	29.5058	15.46	0.8	0.5	1.589903872
19/01/2015	14:20:49	81.0203	29.4222	14.67	0.5	0.6	2.331415815
19/01/2015	17:32:07	81.0678	29.5163	14.25	0.8	0.6	0.517920384
19/01/2015	19:01:57	81.0213	29.4215	15.23	0.6	0.8	2.506938434
19/01/2015	19:24:42	81.0153	29.4313	13.47	0.6	0.6	0.23083379
20/01/2015	00:13:38	81.0425	29.6785	15.68	1.9	1.9	0.514086858
20/01/2015	03:22:20	81.0747	29.5093	14.83	0.5	0.4	0.822378206
20/01/2015	03:38:59	80.8912	29.2917	9.71	0.6	1.8	0.431330913
20/01/2015	06:20:02	81.0075	29.4465	15.13	0.4	0.3	0.640319227
20/01/2015	06:21:56	81.0105	29.4387	15.52	0.4	0.5	1.58202467
20/01/2015	06:35:53	81.0148	29.436	13.97	0.8	0.7	1.604803465
20/01/2015	11:23:17	81.2393	29.4748	14.7	0.8	0.7	0.85517596
20/01/2015	11:45:06	81.1578	29.3682	18.25	1.5	2.1	1.031518702
20/01/2015	12:38:43	81.0365	29.5422	16.96	0.8	0.8	1.600429606
20/01/2015	16:58:27	81.1335	29.4668	13.3	0.7	0.5	0.276925705
20/01/2015	20:54:57	81.2038	29.3308	14.77	1.1	2	0.888727462
21/01/2015	01:43:24	80.8455	29.6702	15.05	1.2	1.1	1.296594574
21/01/2015	07:39:55	81.047	29.52	15.13	0.8	0.7	0.624915985
22/01/2015	03:42:34	81.0307	29.3408	14.12	0.5	1	3.994676812
22/01/2015	03:44:58	81.0273	29.346	10.63	0.9	2.1	2.650874141
22/01/2015	03:48:43	81.0268	29.3547	14.71	0.9	1.5	2.166745854
22/01/2015	03:51:40	81.0388	29.3218	7.09	0.7	1.7	0.862510657
22/01/2015	03:53:23	81.0185	29.3695	14.06	0.9	0.7	0.525676383
22/01/2015	04:00:19	81.0118	29.3742	16.29	1	1	1.350486623
22/01/2015	04:32:12	81.0213	29.3503	12.15	0.9	1.2	0.416816835
22/01/2015	04:34:35	81.0138	29.3513	12.31	1.9	2.1	0.726598646
22/01/2015	04:46:02	81.013	29.3487	12.63	2.9	3.6	0.725764427
22/01/2015	04:52:25	81.0055	29.368	14.44	0.7	0.7	0.625955811
22/01/2015	05:18:20	81.0273	29.3472	13.27	0.6	1	2.044188307
22/01/2015	05:35:16	81.0145	29.351	11.75	0.6	0.9	0.681656938
22/01/2015	05:49:13	81.0248	29.3472	11.78	2.4	3.9	0.455519406
22/01/2015	06:42:29	81.0265	29.3497	12.7	1.1	1.8	1.157532519
22/01/2015	07:02:51	81.0198	29.3525	13.76	0.9	0.9	0.835835352
22/01/2015	07:14:45	81.0405	29.3032	5	0.5	3	0.999240386
22/01/2015	07:19:09	81.019	29.3475	11.91	1.8	2.1	0.876399509
22/01/2015	07:53:20	81.3043	29.5408	18.55	1.7	1.1	0.901699824

22/01/2015	08:28:49	81.0298	29.3402	10.43	0.9	2.2	1.385538948
22/01/2015	08:53:41	81.016	29.3385	11.9	0.5	1	0.746235842
22/01/2015	10:44:21	81.0145	29.392	16.42	2.7	1.7	0.671387171
22/01/2015	12:18:12	81.0138	29.4388	14.21	0.9	0.9	0.969019588
22/01/2015	12:58:41	81.274	29.5905	13.95	0.6	0.4	0.526478234
22/01/2015	13:09:39	81.0263	29.3405	11.25	0.9	1.8	0.785737038
22/01/2015	13:20:54	81.0157	29.3455	12.07	0.7	1.4	0.755133025
22/01/2015	14:38:30	81.0138	29.343	13.71	0.5	1	1.832078929
22/01/2015	14:42:56	81.0152	29.3388	10.7	0.5	1	0.810632633
22/01/2015	15:05:31	81.0687	29.5032	14.96	1	0.6	0.477364237
22/01/2015	15:25:28	81.0263	29.3318	7.64	0.7	2.2	0.945261094
22/01/2015	16:03:58	81.0272	29.3328	11.02	1.1	2.2	0.79196645
22/01/2015	16:45:49	81.0187	29.3375	11.91	0.8	1.7	0.884420744
22/01/2015	17:15:26	81.0287	29.345	13.42	0.6	1.3	1.163072634
22/01/2015	18:22:45	81.0167	29.348	14.37	0.5	0.8	1.072979082
22/01/2015	18:30:24	81.0302	29.3273	10.46	0.8	2.2	2.177813788
22/01/2015	18:37:43	81.0177	29.3463	14.79	0.9	1.4	0.756423369
22/01/2015	19:24:13	81.394	29.6877	10.27	1.7	2.1	0.741339362
22/01/2015	19:45:19	81.0237	29.3365	13.69	0.7	1.4	2.252001392
22/01/2015	19:58:44	81.022	29.3322	10.49	0.9	1.5	0.570115396
22/01/2015	20:12:26	81.0262	29.3387	12.6	0.9	1.7	0.951500504
22/01/2015	20:20:26	81.027	29.329	10.47	0.9	2.2	0.890346604
22/01/2015	20:23:05	81.0695	29.5083	14.11	0.7	0.5	0.180312023
22/01/2015	21:18:55	81.0163	29.331	11.99	0.5	1	0.876422605
22/01/2015	22:13:35	81.0152	29.3388	12	0.6	1.4	1.12147144
22/01/2015	22:23:08	81.0212	29.3342	10.63	0.7	1.7	1.917680141
22/01/2015	22:25:27	81.0142	29.3442	12.17	0.6	1.2	0.820873097
22/01/2015	22:28:12	81.0097	29.3405	12.3	0.7	1.3	0.662766304
22/01/2015	22:29:47	81.0127	29.3443	11.53	0.5	0.8	0.555705328
22/01/2015	22:34:21	81.0217	29.3468	14.12	0.5	0.9	1.09590792
22/01/2015	22:57:53	81.0265	29.3368	13.05	0.8	1.6	1.273218083
22/01/2015	22:59:06	81.0222	29.3398	11.56	0.8	1.3	0.71927924
22/01/2015	23:44:54	81.0152	29.3565	14.71	0.8	1	0.562742552
22/01/2015	23:52:38	81.0025	29.4723	11.99	0.4	0.5	1.051202353
23/01/2015	00:40:44	81.0297	29.3237	12.13	0.9	2.1	2.370667016
23/01/2015	01:23:46	81.027	29.336	13.28	0.7	1.5	2.105058359
23/01/2015	01:29:13	81.0305	29.4705	12.2	1	0.9	0.382562041
23/01/2015	01:32:21	81.0265	29.3487	14.69	0.7	1.3	1.770339647
23/01/2015	01:47:18	81.0155	29.3495	13.29	0.7	1.2	1.743322493
23/01/2015	01:47:50	81.0215	29.3457	14.91	0.5	0.9	1.848573246
23/01/2015	02:17:42	81.0165	29.3337	12.64	1.6	2.3	0.789345392
23/01/2015	03:51:30	81.0353	29.309	5	1.6	9.6	1.221034792
23/01/2015	04:05:03	81.0713	29.5227	13.59	0.7	0.2	0.798577299
23/01/2015	05:20:55	80.8688	29.5985	18.02	5.3	3.6	1.501427958
23/01/2015	06:37:50	81.0218	29.3552	12.18	3	4.9	0.31766471

23/01/2015	07:37:34	81.0187	29.3362	13.49	0.6	1.1	1.448513175
23/01/2015	07:44:01	81.0255	29.3308	10.86	0.9	2	1.583731974
23/01/2015	09:13:16	81.0252	29.3347	10.55	0.7	1.8	1.283052559
23/01/2015	09:16:34	81.0423	29.3092	5	0.9	6.1	2.153806424
23/01/2015	09:19:27	81.023	29.3488	12.57	1	1.8	0.96282
23/01/2015	09:29:36	81.0057	29.3395	13.51	0.6	1.1	1.990437657
23/01/2015	09:40:14	81.0183	29.3567	15.05	1.5	1.9	0.61060808
23/01/2015	09:52:39	81.0195	29.3547	14.9	0.9	1.4	0.968846079
23/01/2015	09:55:36	81.0057	29.344	12.92	0.7	1.4	1.320867251
23/01/2015	10:11:14	81.0342	29.3293	10.95	1.1	2.8	1.943227136
23/01/2015	11:23:42	81.0362	29.3107	5	1.4	8.4	1.152937643
23/01/2015	11:29:36	80.8153	29.5985	11.24	5	3.2	1.419645868
23/01/2015	13:19:03	81.1808	29.3532	17.03	1.3	1.9	0.745952692
23/01/2015	13:38:52	81.1643	29.358	15.02	1.2	1.5	0.474979005
23/01/2015	14:36:44	81.006	29.3437	11.78	0.7	1.2	0.560881217
23/01/2015	14:40:10	81.0045	29.3593	13.54	1.3	2	0.567676733
23/01/2015	15:44:40	81.0097	29.3438	14.35	0.6	1.1	1.596034567
23/01/2015	16:06:13	81.0155	29.336	10.02	0.7	1.3	0.565717877
23/01/2015	16:26:01	81.007	29.3447	11.72	0.9	1.5	0.708664078
23/01/2015	16:46:44	81.02	29.3567	13.4	0.7	0.9	0.433370581
23/01/2015	16:59:43	81.1792	29.3537	16.86	1	1.8	0.568759493
23/01/2015	17:03:43	81.0127	29.345	14.63	0.5	0.9	1.784378866
23/01/2015	18:37:22	81.0288	29.3463	13.39	0.6	1.1	1.493179838
23/01/2015	19:18:37	81.0225	29.3425	12.01	0.8	1.2	0.402722644
23/01/2015	23:37:22	81.0243	29.3328	12.49	0.7	1.4	1.27211772
23/01/2015	23:52:29	81.027	29.348	12.74	0.6	0.8	0.541566988
24/01/2015	00:53:04	81.0298	29.3233	10.61	0.6	1.6	2.85772616
24/01/2015	00:55:56	81.0198	29.3348	11.03	0.7	1.4	1.185079355
24/01/2015	01:24:21	81.2612	29.4417	12.99	2	2.3	0.893304135
24/01/2015	01:27:16	81.0235	29.3395	12.9	0.8	1.7	1.017784182
24/01/2015	02:32:10	81.0188	29.3567	15.2	1.2	1.3	0.853369285
24/01/2015	05:01:21	81.0145	29.3625	15.31	0.4	0.5	0.868649007
24/01/2015	05:43:53	81.0257	29.3507	12.46	3.6	4.6	0.358471109
24/01/2015	05:55:18	81.0285	29.3363	13.29	0.6	1.1	3.164135299
24/01/2015	06:01:11	81.0305	29.3375	9.9	3	6.3	0.540269772
24/01/2015	08:28:36	81.0242	29.3425	10.44	1.3	2.9	1.152899388
24/01/2015	11:00:20	81.0248	29.3263	10.68	0.9	2.2	1.46422737
24/01/2015	13:35:43	81.0192	29.3382	10.75	0.6	1.4	0.961500012
24/01/2015	15:13:50	81.0235	29.341	12.06	0.6	1.2	0.829538281
24/01/2015	15:30:07	81.028	29.3175	5.97	0.9	2.7	0.611540991
24/01/2015	15:36:58	81.0713	29.5032	14.25	0.9	0.6	0.346563284
24/01/2015	15:46:31	81.0705	29.5082	14	0.7	0.5	0.401065767
24/01/2015	16:10:23	81.0243	29.3398	11.5	0.7	1.5	0.579978168
24/01/2015	17:01:34	81.0183	29.3433	12.29	0.6	1.2	1.095848481
24/01/2015	17:51:53	81.034	29.3277	10.63	0.8	2	0.95162089

24/01/2015	17:56:40	81.024	29.3735	15.44	1.5	1.7	0.533136752
24/01/2015	18:00:43	81.0217	29.3562	13.2	2.3	2.5	0.161308937
24/01/2015	18:23:30	81.0207	29.356	14.09	0.7	0.9	0.566061145
24/01/2015	19:23:40	81.0328	29.3375	10.9	0.8	1.8	1.327050604
24/01/2015	19:38:49	81.0273	29.3387	12.43	0.6	1.1	0.908364166
24/01/2015	20:11:56	81.0515	29.538	13.54	1.6	1.9	0.930925315
24/01/2015	21:17:33	81.0277	29.344	13.71	0.6	1	1.336178001
24/01/2015	21:27:07	81.0278	29.339	12.26	0.6	1.2	0.947199198
24/01/2015	21:29:03	81.0238	29.3475	14.54	0.6	1	2.367702808
24/01/2015	21:36:51	81.0323	29.3383	10.63	1.1	2.4	0.940337995
24/01/2015	21:37:57	81.046	29.5325	15.38	1	1.2	0.513971174
24/01/2015	21:51:24	81.0237	29.3388	15.17	0.9	1.5	1.910848888
24/01/2015	21:54:08	81.0278	29.3283	10.72	0.7	1.6	1.070774107
24/01/2015	22:14:49	81.021	29.3475	14.74	0.6	1.1	1.607342637
24/01/2015	22:27:38	80.975	29.4883	10.83	0.8	0.8	0.12847271
24/01/2015	22:45:04	81.0458	29.5232	14.59	0.4	0.4	0.26004094
24/01/2015	23:14:50	81.018	29.34	11.26	1	1.7	0.485990647
24/01/2015	23:49:26	81.0335	29.3262	11.31	0.9	2.2	2.052995061
25/01/2015	00:02:08	81.01	29.355	14.35	1.4	1.7	0.486599586
25/01/2015	00:04:00	81.0223	29.3362	13.48	0.8	1.4	1.392304451
25/01/2015	00:10:20	81.0285	29.3297	10.9	0.7	1.5	1.26840774
25/01/2015	00:32:31	81.0488	29.526	15.3	0.4	0.4	0.777800572
25/01/2015	00:37:13	81.0508	29.5153	14.64	0.8	0.7	0.176217269
25/01/2015	00:39:40	81.075	29.508	15.35	0.6	0.4	0.994234388
25/01/2015	02:06:23	81.0093	29.3612	14.85	1.3	1.6	0.649869009
25/01/2015	02:20:14	81.011	29.3462	13.99	0.7	1.2	1.315582976
25/01/2015	02:21:55	81.0057	29.3518	13.84	1	1.4	0.695157302
25/01/2015	02:27:13	81.0222	29.329	14.97	0.5	1.1	2.926188063
25/01/2015	02:31:10	81.0208	29.3338	12.36	0.6	1.4	1.770189324
25/01/2015	02:32:17	81.0132	29.3437	14.54	0.6	1.2	1.568732055
25/01/2015	02:56:46	81.0207	29.3255	10.82	0.6	1.9	1.813510024
25/01/2015	02:57:58	81.0197	29.3568	15.5	1	1.4	1.224891518
25/01/2015	03:37:23	81.0192	29.3427	13.87	0.8	1.4	1.373028813
25/01/2015	03:43:32	81.0133	29.3578	14.2	3.7	4.2	0.263967338
25/01/2015	04:10:45	81.0168	29.3345	14.62	0.5	0.9	2.011978392
25/01/2015	05:47:11	81.0145	29.3662	16.03	2.1	2.3	0.571090636
25/01/2015	06:39:59	81.0212	29.3378	13.05	0.9	1.8	1.0383991
25/01/2015	06:49:13	81.0242	29.3303	10.82	0.7	1.7	1.828086965
25/01/2015	07:00:47	81.0308	29.3233	11.43	0.9	2.5	2.61097962
25/01/2015	07:05:50	81.0205	29.3428	12.93	0.7	1.3	0.89354667
25/01/2015	07:20:11	81.0282	29.3382	10.51	0.9	2.4	1.109916732
25/01/2015	07:42:28	81.0308	29.334	10.88	0.7	1.6	1.63923446
25/01/2015	07:55:51	81.0248	29.3425	14.1	0.7	1.2	1.671678625
25/01/2015	08:03:24	81.0343	29.3338	11.42	1.5	3	1.289274979
25/01/2015	08:26:01	81.024	29.33	10.68	0.8	2.2	1.580498005

25/01/2015	08:48:56	81.0293	29.3382	13.69	0.7	1.4	1.468346759
25/01/2015	08:57:13	81.0193	29.3402	12.04	1	1.6	0.748274608
25/01/2015	09:29:17	80.9595	29.6798	11.54	0.7	0.9	1.678908642
25/01/2015	09:42:00	81.0115	29.3903	16.83	1.6	1.2	0.506658505
25/01/2015	09:46:18	81.019	29.3435	14.06	0.6	1	1.624532556
25/01/2015	10:22:46	81.0288	29.3182	11.04	1.2	3.6	2.247989232
25/01/2015	11:49:48	81.0183	29.3502	15.33	0.8	1.3	1.075851735
25/01/2015	12:57:51	81.0235	29.3423	14.01	0.7	1.3	2.417283633
25/01/2015	13:01:35	81.0213	29.343	12.73	0.9	1.9	1.001140646
25/01/2015	13:23:33	81.0303	29.3452	13.96	1	2	0.830400696
25/01/2015	13:26:45	81.0258	29.3458	14.36	0.9	1.6	1.521855683
25/01/2015	14:23:10	81.0222	29.3387	13.56	0.6	1.2	2.857029862
25/01/2015	14:32:35	81.0203	29.3322	10.95	0.7	1.6	0.595540962
25/01/2015	14:35:44	81.0218	29.3398	12.3	0.9	1.3	0.584564398
25/01/2015	14:53:35	81.0197	29.3392	13.84	0.7	1.5	1.039222124
25/01/2015	15:09:03	81.0268	29.3297	11.08	0.8	2	2.234901908
25/01/2015	15:19:02	81.0255	29.3497	13.74	0.8	1.3	0.876083771
25/01/2015	15:21:05	81.0238	29.337	13.75	0.5	1	1.568376817
25/01/2015	15:25:16	81.0332	29.3388	11.75	3.1	4.9	0.263515059
25/01/2015	15:36:13	81.0402	29.3265	11.07	0.8	2.1	1.486788192
25/01/2015	15:38:05	81.0235	29.3253	10.81	0.6	1.8	1.708191782
25/01/2015	15:50:03	81.0278	29.3468	12.47	1.2	1.5	0.279229307
25/01/2015	16:31:36	81.0477	29.522	15.15	0.4	0.4	0.767324304
25/01/2015	16:49:39	81.0207	29.3443	12.56	0.8	1.6	0.698645125
25/01/2015	16:59:59	81.0182	29.347	12.65	1	2	0.869673681
25/01/2015	18:37:34	81.0227	29.3587	14.03	1	1.6	1.03176064
25/01/2015	19:56:20	81.036	29.3265	11.18	0.8	2.1	1.571443766
25/01/2015	20:17:38	81.018	29.3458	16.18	0.6	1	2.298654019
25/01/2015	22:11:58	81.0155	29.3702	15.36	0.7	0.5	0.579988663
25/01/2015	22:25:52	80.8688	29.5985	5	9.2	8.6	1.364245034
25/01/2015	23:28:07	81.0243	29.3612	14.06	0.8	0.9	0.47528774
26/01/2015	02:11:30	81.0187	29.3358	14.42	0.4	0.9	2.039251665
26/01/2015	02:13:28	81.0163	29.3585	14.08	1	1.4	0.852485961
26/01/2015	02:22:25	81.0252	29.3132	7.42	0.7	2.9	0.978861443
26/01/2015	02:31:25	81.0228	29.326	14.01	0.6	1.2	2.931452652
26/01/2015	02:44:52	81.0172	29.3412	15.18	0.7	1.1	1.489948127
26/01/2015	03:01:55	81.0198	29.3337	12.95	0.7	1.6	1.343205409
26/01/2015	03:18:04	81.0167	29.3375	12.98	0.6	1.3	1.092726177
26/01/2015	04:13:19	81.031	29.3325	11.21	0.7	1.6	2.705023064
26/01/2015	04:20:18	81.0252	29.3393	14.06	0.5	0.9	2.291761218
26/01/2015	04:22:53	81.0245	29.3475	12.4	0.7	1.1	0.736721644
26/01/2015	04:35:23	81.028	29.3467	14.11	0.9	1.6	1.211082678
26/01/2015	04:38:17	81.0197	29.34	12.6	0.9	1.4	0.91238634
26/01/2015	04:48:17	81.0242	29.3407	12.83	1	1.9	0.868964098
26/01/2015	05:12:09	81.0167	29.3735	15	0.8	0.9	0.764495868

26/01/2015	05:20:32	81.2027	29.434	12.72	1.5	2.1	1.055310849
26/01/2015	06:06:07	80.9517	29.4642	9.73	0	0	0.145327324
26/01/2015	06:09:22	81.0198	29.3405	15.28	0.7	1.3	2.528753228
26/01/2015	06:12:40	81.0058	29.383	17.57	3	2.1	0.610824198
26/01/2015	06:24:29	81.0288	29.3398	12.84	0.6	1.2	2.133433365
26/01/2015	07:10:31	81.0125	29.3543	14.54	1.5	1.8	0.667454543
26/01/2015	07:14:22	81.014	29.3367	11.49	0.8	1.4	0.862811575
26/01/2015	07:28:17	81.0332	29.3235	11.05	1	2.6	2.67043019
26/01/2015	07:49:53	81.0268	29.3223	11.45	1.2	3.2	2.433650338
26/01/2015	07:51:38	81.0213	29.3382	13.4	0.6	1.3	1.830185797
26/01/2015	07:59:04	80.9443	29.6477	5	5.5	22.4	0.180878178
26/01/2015	08:03:24	81.0177	29.3477	13.3	0.9	1.2	0.719394719
26/01/2015	08:08:44	81.0222	29.3587	14.16	0.9	1.4	1.235790785
26/01/2015	08:10:18	81.022	29.3002	5	0.9	5.3	1.009838582
26/01/2015	08:13:14	81.0237	29.3318	11.31	0.7	1.5	1.019853021
26/01/2015	08:23:04	81.0267	29.3052	5	2.1	12.6	0.89461021
26/01/2015	08:35:32	81.0265	29.339	10.87	1.1	2.5	1.457536694
26/01/2015	08:44:58	81.0083	29.3537	15.69	1.1	1.7	0.92338487
26/01/2015	08:49:29	81.0187	29.3533	15.03	0.6	1	1.122441612
26/01/2015	09:58:06	81.0217	29.3263	10.49	0.9	2.3	1.359943687
26/01/2015	10:36:43	81.0127	29.3792	15.24	2.1	1.7	0.480746123
26/01/2015	11:07:46	81.0267	29.3243	12.59	0.7	1.7	3.4079289
26/01/2015	11:13:06	81.0212	29.3522	13.89	0.9	1.2	0.879226417
26/01/2015	11:14:33	81.0138	29.3372	13.67	0.5	1.1	1.671941903
26/01/2015	11:17:09	81.0148	29.3467	15.84	0.6	1	1.531351245
26/01/2015	11:18:57	81.0165	29.3468	13.46	0.6	1.1	0.957032453
26/01/2015	11:33:16	81.0203	29.3258	10.93	0.8	2.1	1.941623729
26/01/2015	11:34:18	81.0117	29.3455	15.09	0.6	1.1	1.859987585
26/01/2015	11:39:31	81.0202	29.3292	10.55	1.1	2.7	1.851955526
26/01/2015	11:41:57	81.0265	29.3235	10.83	1.1	2.9	1.86891298
26/01/2015	12:04:40	81.0158	29.3777	16.1	1.1	0.9	0.631981624
26/01/2015	12:12:14	81.0212	29.3465	14.29	0.7	1.2	1.000626291
26/01/2015	12:21:23	81.0262	29.3378	12.66	0.7	1.6	1.810493525
26/01/2015	12:30:16	81.0653	29.5032	14.99	1.2	0.9	0.520256637
26/01/2015	12:35:28	81.0193	29.3405	13.7	0.8	1.5	0.991831609
26/01/2015	12:39:58	81.0178	29.3327	14.07	0.6	1.1	2.329962906
26/01/2015	12:46:51	81.0713	29.5132	14.15	1.1	0.9	0.255609429
26/01/2015	12:53:36	81.0232	29.3393	13.03	1	1.7	1.137402491
26/01/2015	13:05:09	81.0165	29.3402	14.8	0.9	1.8	1.738986472
26/01/2015	13:18:54	81.0717	29.5015	14.7	0.6	0.5	0.798041369
26/01/2015	13:20:53	81.0052	29.3342	12.99	1.9	3.7	1.149881704
26/01/2015	13:22:54	81.018	29.3418	11.86	1.2	1.8	0.665376236
26/01/2015	13:29:00	81.0115	29.343	14.58	0.6	1	0.729927975
26/01/2015	13:36:24	81.0253	29.3268	11.44	1	2.3	1.838767385
26/01/2015	13:51:02	81.0242	29.3415	13.43	0.7	1.4	1.697692541

26/01/2015	13:59:34	81.0197	29.3445	12.34	0.8	1.5	1.173323177
26/01/2015	14:19:09	81.0197	29.3435	11.58	0.8	1.5	0.649297704
26/01/2015	14:35:17	81.0203	29.3375	12.61	0.6	1.3	1.211987941
26/01/2015	15:53:23	81.0265	29.329	11.97	0.6	1.5	2.320456113
26/01/2015	17:23:01	81.032	29.3355	12.51	1	2.4	0.867738258
26/01/2015	17:28:29	81.0285	29.33	12.93	0.5	1.3	2.180383528
26/01/2015	17:31:24	81.032	29.3303	11.38	0.9	2.1	0.978716826
26/01/2015	17:40:56	81.0325	29.3347	11.52	1	2.1	0.863490084
26/01/2015	17:49:11	81.0298	29.3277	10.96	0.7	2	1.744409004
26/01/2015	17:50:50	81.027	29.3345	10.78	0.8	2.1	1.590607985
26/01/2015	18:18:57	81.0323	29.3348	11.61	0.8	1.7	1.333015758
26/01/2015	19:04:19	81.0302	29.3335	10.92	0.8	2	1.290749036
26/01/2015	19:07:59	81.0197	29.3322	13.82	0.7	1.4	0.99588678
26/01/2015	20:07:21	81.0318	29.3297	11.03	0.7	1.8	1.746507562
26/01/2015	20:09:25	81.0145	29.3533	12.71	0.8	1.1	0.59603816
26/01/2015	20:15:08	81.161	29.6557	10.19	0.9	0.7	0.883103521
26/01/2015	20:25:24	81.1443	29.4558	11.96	0.7	0.7	0.392699798
26/01/2015	20:38:46	81.0318	29.3282	10.84	1.2	2.7	0.617985248
26/01/2015	20:46:21	81.0248	29.3448	14.95	0.8	1.4	1.656920307
26/01/2015	21:01:19	81.0193	29.3382	12.87	0.9	1.6	0.734315809
26/01/2015	21:21:18	81.028	29.3248	10.54	0.8	2.2	1.94233498
26/01/2015	22:10:49	81.0215	29.3513	12.63	1.2	2.1	0.593048483
26/01/2015	22:30:52	81.0293	29.3313	10.83	0.6	1.8	1.432940587
26/01/2015	22:46:58	81.0217	29.3425	12.84	0.8	1.7	1.003031664
27/01/2015	00:15:21	80.8963	29.6473	11.62	9.6	17.9	0.325938182
27/01/2015	00:33:46	81.0322	29.3253	10.95	0.8	2.2	1.483217172
27/01/2015	01:04:00	81.0268	29.3448	10.7	0.9	2.1	1.25876105
27/01/2015	01:22:14	81.0285	29.3315	10.8	0.7	1.7	1.373091929
27/01/2015	02:30:32	81.007	29.347	12.27	0.9	1.6	0.758958279
27/01/2015	02:37:11	81.0092	29.3845	17.77	1.3	1.5	0.751028235
27/01/2015	02:44:06	81.025	29.34	12.56	1	1.8	0.996589505
27/01/2015	03:15:09	81.0143	29.3568	14.65	0.5	0.7	0.795213077
27/01/2015	03:35:11	81.0202	29.3725	15.83	2.4	2.5	0.5596129
27/01/2015	03:45:08	81.0212	29.316	10.82	1.1	2.5	0.84949362
27/01/2015	04:31:02	81.0283	29.334	13.8	0.6	1.4	2.137517516
27/01/2015	04:37:46	81.0357	29.3335	10.75	1.1	2.7	1.108145324
27/01/2015	04:45:44	81.0308	29.5635	17.82	1.1	0.9	0.50823059
27/01/2015	07:06:21	81.0228	29.3403	13.75	0.8	1.5	1.438102374
27/01/2015	07:19:57	81.0128	29.3393	14.42	0.4	0.8	2.565000755
27/01/2015	07:29:18	81.0095	29.3487	11.65	2.5	3.8	0.691223911
27/01/2015	07:59:35	81.0258	29.3325	11.1	0.6	1.6	1.472613692
27/01/2015	10:09:49	81.0317	29.3088	5	1.1	7.2	1.650904652
27/01/2015	12:27:16	81.1465	29.4463	15.76	1.5	1.3	0.934428436
27/01/2015	13:21:54	81.0177	29.4258	15.04	0.5	0.7	1.692808011
27/01/2015	13:24:13	81.016	29.4202	13.15	1	1.4	0.376410297

27/01/2015	14:15:59	81.016	29.3405	12.82	0.6	1.1	0.970309086
27/01/2015	15:16:39	81.0347	29.3217	10.37	0.8	2.3	3.2154948
27/01/2015	15:47:50	81.0225	29.3493	14.76	0.8	1.3	1.002488127
27/01/2015	16:27:13	81.037	29.3227	11	1.1	3.4	1.84087799
27/01/2015	17:21:27	81.0343	29.3375	13.59	0.7	1.4	1.765856607
27/01/2015	17:29:26	81.0348	29.3288	9.9	0.6	2.1	1.627619031
27/01/2015	17:45:32	81.0243	29.3338	10.91	0.8	2	0.727093548
27/01/2015	17:48:57	81.0263	29.3525	12.57	0.9	1.1	0.564536822
27/01/2015	18:59:28	81.0262	29.3275	11.44	1.1	2	0.635494938
27/01/2015	23:11:19	81.033	29.3373	10.74	1.4	2.3	0.638581267
27/01/2015	23:30:54	81.0235	29.344	12.95	1	1.9	0.744764117
28/01/2015	00:45:45	81.0282	29.3468	13.32	0.8	1.5	1.030916696
28/01/2015	04:23:22	81.0293	29.326	10.88	0.8	2.2	1.634496673
28/01/2015	04:56:59	81.0255	29.3108	5	0.9	5.3	1.117235978
28/01/2015	05:14:10	81.0263	29.3322	12.67	0.7	1.6	2.532456488
28/01/2015	06:51:05	81.0185	29.334	10.38	1.2	3	1.041916843
28/01/2015	09:13:47	81.0222	29.3272	11.11	0.7	1.6	1.634267356
28/01/2015	09:25:33	81.0302	29.337	10.85	0.7	1.8	1.26884411
28/01/2015	11:24:11	81.0217	29.3408	13.53	0.7	1.4	1.571297669
28/01/2015	13:40:37	81.022	29.335	10.81	0.8	2	1.511128398
28/01/2015	14:11:41	81.019	29.3327	13.74	0.5	1.4	1.548294356
28/01/2015	14:38:31	81.0305	29.3237	11.01	0.6	1.8	2.508698659
28/01/2015	14:44:45	81.0215	29.3375	13.35	0.5	1	1.595780584
28/01/2015	14:52:27	81.0302	29.3245	10.35	0.9	2.4	2.176921353
28/01/2015	15:01:59	81.0195	29.3465	14.8	0.7	1.2	0.682555819
28/01/2015	15:22:11	81.0118	29.362	16.08	0.5	0.6	0.759649444
28/01/2015	16:15:54	81.031	29.338	9.27	1.6	2.7	0.610853959
28/01/2015	16:26:04	81.0388	29.3242	2.63	2.2	15.4	0.590620783
28/01/2015	17:41:38	81.0157	29.3523	13.37	0.6	1.1	1.207320326
28/01/2015	19:07:36	81.0213	29.3182	11.12	1.5	4	0.944817829
28/01/2015	19:40:22	81.0242	29.3065	10.47	1.9	3.2	0.746617743
28/01/2015	21:38:10	81.0095	29.2978	6.45	2.5	14.3	0.748578732
28/01/2015	22:00:47	81.0317	29.3162	12.52	0.9	2.3	2.827335396
28/01/2015	22:05:21	81.0258	29.3362	14.88	0.6	1.2	2.165410689
28/01/2015	22:06:07	81.0238	29.3387	15.1	0.6	1.1	2.320515461
28/01/2015	22:12:38	81.0297	29.346	10.54	1.9	2.8	0.578360693
28/01/2015	22:13:26	81.0247	29.3357	13.86	0.6	1.3	1.771205078
28/01/2015	22:14:34	81.0302	29.3173	10.65	0.7	2.2	2.038887969
28/01/2015	22:16:26	81.0273	29.3247	11.01	0.7	1.8	1.981850971
28/01/2015	22:29:03	81.0327	29.3182	11.02	1.3	3.9	1.187112929
28/01/2015	22:30:09	81.021	29.3487	15.34	0.6	1	1.903642715
28/01/2015	22:36:22	81.0155	29.3463	15.38	0.6	1	1.736026998
28/01/2015	22:39:10	81.032	29.3372	10.85	0.8	1.8	1.293339611
28/01/2015	23:03:34	81.0205	29.3495	15.33	0.5	0.8	1.427860303
28/01/2015	23:16:47	81.0253	29.3315	12.65	0.7	1.6	1.905413855

28/01/2015	23:48:40	81.029	29.3248	12.85	0.7	1.6	2.562723963
29/01/2015	00:01:35	81.0273	29.32	10.89	0.6	2	2.178608033
29/01/2015	00:14:21	81.0122	29.333	13.26	1.1	1.8	0.631987886
29/01/2015	00:51:25	81.0248	29.3307	12.85	0.7	1.4	1.40492646
29/01/2015	01:00:31	81.0078	29.3797	17.89	2.2	1.6	0.254005374
29/01/2015	01:24:49	81.019	29.3167	10.78	0.6	1.5	1.18318517
29/01/2015	01:37:36	81.0272	29.329	10.67	1	2.6	1.311636155
29/01/2015	01:40:26	81.0287	29.3242	11.33	0.7	1.8	1.985512192
29/01/2015	01:44:22	81.011	29.3577	16.77	0.6	0.9	1.53710956
29/01/2015	03:40:40	81.0205	29.335	11.88	0.7	1.6	1.461795686
29/01/2015	09:51:54	81.0172	29.3502	12.99	0.9	1.7	0.973977712
29/01/2015	10:07:31	81.027	29.3327	10.63	0.8	1.9	1.3674508
29/01/2015	14:18:41	81.0148	29.3573	13.25	1.6	2.6	0.849072743
29/01/2015	15:25:00	81.0365	29.339	11.03	0.7	1.3	0.703082688
29/01/2015	16:28:38	81.0227	29.3458	11.07	0.9	1.3	0.345707251
29/01/2015	17:17:22	81.015	29.3422	11.65	0.6	1.3	1.017212161
29/01/2015	18:10:22	81.0085	29.3795	16.33	0.7	0.5	0.227070366
29/01/2015	18:52:06	81.0277	29.342	12.24	0.8	1.8	0.971759879
29/01/2015	22:23:51	81.0127	29.337	12.86	0.6	1.2	1.140323469
29/01/2015	23:40:31	81.0185	29.3413	13.33	0.8	1.4	0.768332471
30/01/2015	00:11:02	81.0233	29.3402	12.79	0.7	1.2	1.145355357
30/01/2015	01:31:07	81.0228	29.3085	11.98	1.2	3.2	0.970884204
30/01/2015	01:54:34	81.0268	29.3397	12.18	0.8	1.7	1.783479573
30/01/2015	03:39:07	81.07	29.5082	14.57	0.7	0.6	0.17245524
30/01/2015	07:18:04	81.0122	29.3503	15.1	0.9	1.5	0.839734554
30/01/2015	08:18:02	81.0212	29.33	9.8	0.7	1.8	1.486594848
31/01/2015	00:30:58	81.0255	29.327	7.09	1.7	3.7	0.279737097
31/01/2015	01:07:29	81.0243	29.3733	15.31	0.6	0.6	0.434861957
31/01/2015	05:53:21	81.2912	29.3945	14.45	1.2	1.6	0.954387703
31/01/2015	06:49:50	81.0442	29.5385	14.32	1.1	0.6	0.682100677
31/01/2015	09:22:46	81.014	29.3705	15.97	0.8	0.9	0.670431183
31/01/2015	12:22:00	81.0562	29.5075	15.77	0.7	0.6	1.547422089
31/01/2015	19:52:07	81.0743	29.5032	14.96	0.9	0.8	0.515171389
31/01/2015	20:38:21	81.0827	29.4878	14.56	1.5	1.6	0.370683749
31/01/2015	20:42:32	81.0692	29.5032	14.37	0.5	0.4	0.128466437
31/01/2015	23:44:42	81.0465	29.5115	14.4	0.6	0.4	0.029762735
01/02/2015	00:28:57	81.0498	29.515	15.17	0.5	0.5	1.090957928
01/02/2015	01:56:28	81.3212	29.584	19.4	1.3	1.1	0.839951971
01/02/2015	05:14:05	81.2342	29.5475	15.37	1.3	1.4	0.961433701
01/02/2015	07:15:40	81.0158	29.3328	11.61	0.7	1.7	1.416760181
01/02/2015	12:53:09	81.213	29.4815	15.18	1.5	1.5	0.606161921
01/02/2015	17:09:36	81.024	29.3383	13.04	0.6	1.3	1.081485029
01/02/2015	17:17:35	81.2935	29.3913	16.43	0.8	1	2.354764006
01/02/2015	18:15:45	81.2935	29.3907	14.55	0.5	1	0.677234744
01/02/2015	18:18:34	81.2927	29.3927	14.41	0.8	1.3	0.62383813

01/02/2015	20:06:40	81.0373	29.333	11.51	0.8	2	0.959073447
01/02/2015	21:35:00	81.0682	29.5142	13.93	0.8	0.7	0.23283957
02/02/2015	01:47:19	81.2672	29.4038	16.44	0.9	1	0.402971751
02/02/2015	04:51:03	81.0345	29.3242	11.16	1	2.5	1.772774185
02/02/2015	06:37:26	81.0215	29.3427	11.14	0.7	1.2	0.470567451
02/02/2015	15:31:21	80.7227	29.4032	15.78	1.3	2	0.77669893
02/02/2015	16:45:30	81.3248	29.4353	16.31	0.8	1.1	0.853773084
02/02/2015	16:46:19	81.2685	29.498	15.51	2.1	1.8	0.381322405
02/02/2015	17:19:04	81.3223	29.4258	16.69	0.9	1.1	0.75172352
02/02/2015	22:19:24	81.2477	29.4595	16.76	0.9	1.2	0.975425835
03/02/2015	01:01:27	81.0262	29.3227	10.75	1.7	2.8	1.072505968
03/02/2015	05:31:42	81.0368	29.3248	11.71	0.6	0.9	1.938683137
03/02/2015	07:46:42	81.0535	29.5032	14.67	0.8	0.4	0.621548388
03/02/2015	09:15:36	81.02	29.3523	15.03	0.8	1.3	1.274268372
03/02/2015	17:41:29	81.359	29.5362	14.57	0.9	1	0.318281474
03/02/2015	19:43:37	80.9863	29.5617	5	3.3	13	0.234306218
04/02/2015	00:24:30	81.037	29.357	12.19	1.7	2	0.600981459
04/02/2015	09:00:10	81.0295	29.329	10.59	0.8	2.4	1.381293259
04/02/2015	09:51:55	81.2502	29.4382	14.2	2.4	3.5	0.879350366
04/02/2015	13:03:15	81.3425	29.4045	9.88	2.9	5.8	0.825937871
04/02/2015	13:19:54	81.2973	29.4513	19.01	1.9	1.9	0.394724873
04/02/2015	14:00:55	80.9985	29.3847	19.16	1.4	1.8	0.434052761
04/02/2015	15:02:22	81.0127	29.3555	12.31	2.2	2.9	0.311839881
04/02/2015	18:07:46	81.0257	29.3435	13.59	0.7	1.4	1.692343718
04/02/2015	18:38:37	80.8688	29.5985	5	24	22.1	3.014344482
04/02/2015	19:30:24	80.9697	29.5877	9.31	0.6	1	0.146343927
04/02/2015	23:10:30	81.074	29.4985	15.77	0.7	0.7	1.496236333
04/02/2015	23:21:53	81.0722	29.5035	14.55	0.8	0.7	0.625407506
05/02/2015	02:46:25	81.073	29.51	15.2	0.7	0.8	0.407975142
05/02/2015	05:38:16	81.0217	29.3357	9.95	1	2.6	0.545571563
05/02/2015	07:47:19	81.0712	29.4872	13.93	1.6	1.4	0.70731213
05/02/2015	14:06:46	81.215	29.4662	16.14	1	0.9	0.607374445
05/02/2015	15:06:06	81.25	29.448	10.16	3.3	4.6	0.345802598
05/02/2015	16:52:16	80.9312	29.4962	11.91	0.7	0.8	0.425926302
05/02/2015	19:06:52	81.0747	29.5032	15.94	0.8	0.6	0.309627863
05/02/2015	22:54:29	81.0777	29.5032	15.34	1.1	0.8	1.27698642
05/02/2015	23:10:28	81.0123	29.3352	12.18	1.3	2.2	0.345521888
05/02/2015	23:56:50	81.0698	29.5103	14.88	0.9	0.6	0.141063522
06/02/2015	00:13:12	81.0145	29.345	12.71	0.6	1.3	0.854366185
06/02/2015	11:40:02	81.367	29.3927	8.31	1.1	1.9	0.777145231
06/02/2015	14:40:01	80.7993	29.68	16.74	1.3	1.3	0.859197072
06/02/2015	17:55:50	80.879	29.4295	12.06	1.6	1.4	0.413082676
06/02/2015	20:28:32	80.8562	29.4308	11.78	0.6	0.7	0.62453835
06/02/2015	20:34:06	81.0268	29.3363	10.54	0.6	1.6	0.92095648
06/02/2015	21:34:46	81.0265	29.3427	13.68	0.7	1.1	0.423036394

07/02/2015	20:29:38	81.1017	29.703	14.96	1.1	1.2	0.631773708
08/02/2015	07:59:38	81.0255	29.4048	10.39	1	1.2	0.825821445
08/02/2015	08:09:38	81.072	29.534	14.61	0.9	0.5	1.028905774
08/02/2015	09:31:52	81.0632	29.5293	14.59	1	0.4	1.168754393
08/02/2015	10:36:06	80.8815	29.5692	13.9	0.6	0.6	0.95998627
08/02/2015	12:05:57	80.9947	29.7278	15.64	2.1	2.3	1.017463094
08/02/2015	16:32:33	81.0333	29.4782	11.06	0.5	0.6	0.190050482
08/02/2015	17:12:09	81.0303	29.4863	11.64	0.8	0.8	0.155262995
08/02/2015	20:46:23	81.0283	29.331	11.59	0.8	1.8	2.409109518
08/02/2015	20:47:35	81.0297	29.3288	10.8	0.7	1.7	1.910535366
09/02/2015	08:48:46	81.0238	29.4908	10.03	1.2	1.2	0.459074838
09/02/2015	13:45:16	81.1667	29.391	10.11	1	1.5	0.65787516
09/02/2015	21:18:28	81.1035	29.4655	11.8	0.5	0.4	0.696466187
09/02/2015	22:30:16	81.3343	29.4448	17.24	0.9	0.9	1.00498888
09/02/2015	22:52:30	81.3328	29.4443	16.56	0.9	0.9	0.874125876
09/02/2015	23:00:39	81.0143	29.3485	13.17	0.5	1.1	1.130883717
10/02/2015	01:47:05	81.3305	29.4378	17.55	1.1	1.2	1.239842782
10/02/2015	13:16:53	81.0475	29.4643	10.48	0.9	1.2	0.733857286
10/02/2015	16:05:17	81.2452	29.4388	15.18	1.3	1.5	0.917048896
11/02/2015	00:49:18	81.2952	29.3942	14.57	1.2	1.4	0.64794749
11/02/2015	03:23:17	81.003	29.5227	8.68	0.8	0.6	0.391305211
11/02/2015	08:54:48	81.094	29.4803	13.06	0.8	0.6	0.528206351
11/02/2015	09:24:35	81.0612	29.5075	14.89	0.8	0.6	1.189637266
11/02/2015	09:36:30	81.0693	29.5032	15.53	0.7	0.5	1.563326715
11/02/2015	09:38:40	81.0655	29.5042	15.17	0.7	0.5	0.97076976
11/02/2015	13:10:51	81.0657	29.5043	14.45	0.7	0.5	0.516021191
11/02/2015	18:31:08	80.9348	29.5117	12.07	0.6	0.7	0.769509417
11/02/2015	20:48:05	81.2278	29.5695	15.84	0.5	0.4	0.651461971
12/02/2015	00:25:06	81.0865	29.5437	9.11	0.6	0.4	0.09354226
12/02/2015	02:39:30	81.0768	29.5055	14.82	0.5	0.4	0.713507133
12/02/2015	17:03:36	81.2108	29.554	12.95	0.7	0.8	0.671526298
12/02/2015	18:43:09	81.0673	29.5032	17.04	3.1	2	0.412855386
12/02/2015	19:10:43	81.0702	29.5032	16.48	0.8	0.6	0.956346173
12/02/2015	19:38:29	81.0733	29.5012	15.68	0.8	0.6	1.06362126
12/02/2015	20:44:44	81.0423	29.4697	12.29	0.7	0.9	1.481542232
12/02/2015	22:34:56	81.2473	29.4568	15.49	0.8	1.3	1.345053106
12/02/2015	23:30:20	81.1147	29.4495	10.61	0.9	0.7	0.501869067
13/02/2015	02:35:10	81.0865	29.5032	16.1	2.4	1.3	1.316613838
13/02/2015	05:22:00	81.1025	29.4678	11.86	0.5	0.3	0.638748665
13/02/2015	06:01:55	81.0997	29.469	11.55	0.5	0.5	0.945193775
13/02/2015	06:45:27	81.0292	29.331	9.59	1.1	2.7	0.921752152
13/02/2015	10:53:20	81.2453	29.4608	15.75	1.3	2	1.12104658
13/02/2015	10:57:21	80.9728	29.3685	10.27	0.6	1.2	0.645233853
13/02/2015	14:52:15	81.0313	29.33	10.77	0.8	2.2	1.26443664
13/02/2015	16:39:59	81.2495	29.4648	16.46	1.1	1.7	1.160380008

13/02/2015	21:09:39	81.1028	29.4632	11.84	0.3	0.3	0.572288917
13/02/2015	22:08:26	81.0597	29.4687	11.18	0.7	0.8	0.529161679
14/02/2015	00:23:14	81.0413	29.325	10.86	1	2.7	1.074840716
14/02/2015	03:09:38	81.0345	29.3125	8.6	1.1	4.3	1.44762869
14/02/2015	06:39:35	81.0908	29.4812	10.86	1	0.6	0.640972364
14/02/2015	22:29:30	81.4765	29.485	15.33	1.9	1	0.6308777
14/02/2015	22:58:08	80.6882	29.4343	13.43	1.2	1	0.738987268
14/02/2015	23:51:05	81.0288	29.4947	11.85	0.9	0.7	0.067428669
15/02/2015	04:59:38	81.2977	29.5223	13.46	1	1.4	0.676159339
15/02/2015	06:57:33	81.0198	29.3475	12.9	1.6	2.3	0.606534452
15/02/2015	09:59:12	81.286	29.3892	15.42	0.8	1.4	0.858332535
15/02/2015	15:46:55	81.1127	29.4388	11.21	0.5	0.7	1.613556761
15/02/2015	19:15:28	80.9418	29.5095	14.38	0.5	0.5	0.347430425
16/02/2015	00:43:50	81.0757	29.7098	15.55	1.2	1.2	1.308353568
16/02/2015	00:57:32	81.2912	29.6168	5	15	18.5	0.902164815
16/02/2015	06:23:29	81.0628	29.5218	16.13	0.7	0.6	1.244904496
16/02/2015	08:12:00	81.0623	29.5195	15.22	1.1	0.9	0.354752066
16/02/2015	13:14:02	81.0615	29.5197	15.04	0.4	0.4	0.345585968
16/02/2015	13:46:00	81.0187	29.352	13.39	0.7	1.3	1.003629403
16/02/2015	14:42:43	81.1008	29.416	12.69	0.6	0.8	2.214961325
16/02/2015	17:28:48	81.0227	29.4337	15.89	1.8	2	0.865466441
16/02/2015	18:42:29	81.3077	29.5978	14.44	0.9	1.3	0.271630579
16/02/2015	21:34:21	81.0752	29.5015	15.71	0.6	0.4	0.836961715
16/02/2015	22:32:19	81.077	29.4997	16.29	0.8	0.8	1.789591794
16/02/2015	22:36:15	81.0732	29.5022	15.42	0.8	0.5	0.997645927
16/02/2015	22:55:46	81.0663	29.5197	16.21	0.8	0.7	1.470230038
17/02/2015	06:24:58	81.0972	29.4603	11.49	0.8	0.7	0.417892502
17/02/2015	09:12:50	81.1575	29.6307	12.65	1.2	1.3	0.940782266
17/02/2015	10:48:35	80.973	29.408	12.33	1	1.3	0.454932773
17/02/2015	14:48:15	81.2408	29.4315	13.76	1.9	2.3	0.963689598
17/02/2015	17:21:21	81.3483	29.5608	18.91	0.9	0.8	0.72377886
17/02/2015	18:31:25	81.3557	29.5787	14.16	1	0.8	0.376353261
17/02/2015	21:26:09	81.351	29.5758	14.92	0.9	0.7	0.875756828
18/02/2015	00:53:39	81.0173	29.367	14.78	0.7	0.8	0.468708794
18/02/2015	00:55:10	81.2505	29.4575	16.3	0.7	1.2	1.691817323
18/02/2015	04:46:26	81.2028	29.6205	12.68	0.9	0.6	0.635204521
18/02/2015	18:31:12	81.0717	29.5032	14.5	0.6	0.4	0.78136051
18/02/2015	19:04:23	81.2375	29.5248	12.98	0.9	0.7	0.343591255
18/02/2015	19:23:37	81.033	29.3418	13.44	0.8	1.5	1.427922602
18/02/2015	21:38:55	80.7462	29.6862	18.45	1.7	1.6	0.78253997
19/02/2015	02:20:52	81.0635	29.5175	14.69	0.5	0.5	0.593653295
19/02/2015	04:06:49	81.0707	29.5332	14.13	0.7	0.3	0.545487905
19/02/2015	04:38:03	80.8102	29.4522	13.18	0.8	0.7	0.577903762
19/02/2015	14:14:09	81.0768	29.5082	15.75	0.7	0.6	1.451217768
19/02/2015	15:02:23	81.0722	29.5075	14.48	0.5	0.4	0.672719189

19/02/2015	19:28:33	80.9878	29.4827	13.28	0.6	0.7	2.156868803
19/02/2015	22:10:15	81.062	29.5297	15.69	0.6	0.6	0.735406572
20/02/2015	05:42:30	81.0278	29.3365	13.73	0.8	0.9	2.458381675
20/02/2015	13:58:39	81.3713	29.4458	18.34	1.7	1.1	1.054468345
20/02/2015	14:02:46	81.0293	29.6753	17.2	0.9	0.9	0.550028744
20/02/2015	17:07:46	81.0145	29.434	14.74	0.6	0.7	0.682584379
20/02/2015	17:44:27	81.0495	29.471	11.18	1.2	1.1	0.339775531
20/02/2015	21:14:25	80.9962	29.426	9.36	1.1	0.9	0.528539414
20/02/2015	21:47:29	80.9923	29.4422	9.19	0.7	0.7	0.413678005
21/02/2015	00:58:49	81.1513	29.6057	5	8.9	6.9	1.541717046
21/02/2015	15:29:41	80.9805	29.6917	16.51	1.1	1.1	0.72426504
21/02/2015	16:14:22	81.0635	29.5032	14.86	0.8	0.7	0.074192454
21/02/2015	16:20:41	81.3705	29.4357	8.17	1.4	2.2	0.633565841
21/02/2015	16:35:25	81.0728	29.711	16.09	1.2	1.3	1.797741701
21/02/2015	18:22:41	81.073	29.724	15.12	1.2	1.3	0.664840793
21/02/2015	21:06:18	81.0278	29.3383	11.21	0.9	1.8	0.57857366
21/02/2015	23:55:08	81.0585	29.5193	13.81	0.5	0.4	0.18484076
22/02/2015	02:12:04	81.0365	29.3282	11.07	0.9	2.5	2.100506368
22/02/2015	02:21:27	81.0252	29.345	11.52	1	1.7	0.785960292
22/02/2015	08:23:48	81.074	29.503	14.61	0.5	0.5	0.833373753
22/02/2015	08:32:56	81.0752	29.5095	16.03	0.6	0.6	1.226954925
22/02/2015	16:23:13	81.0045	29.4847	10.95	0.6	0.9	0.45320261
22/02/2015	16:54:36	81.0188	29.3362	13.79	0.7	1.4	2.366218055
22/02/2015	20:43:58	81.0837	29.4635	10.4	0.6	0.6	0.744212482
23/02/2015	00:05:33	81.0487	29.6627	18.04	1.2	1.1	1.843893475
23/02/2015	04:02:14	81.4003	29.3863	16.95	1.3	1.4	1.716921805
23/02/2015	06:55:58	81.0278	29.3287	10.84	0.7	1.7	1.856721558
23/02/2015	10:42:17	81.023	29.3288	10.93	0.7	1.8	1.927396786
24/02/2015	00:19:31	81.0747	29.5137	14.2	0.9	0.6	0.333510361
24/02/2015	01:20:08	81.074	29.5063	15.06	1	0.8	0.556168138
24/02/2015	06:32:48	81.018	29.336	12.35	0.7	1.4	1.311097956
24/02/2015	13:16:18	81.01	29.3462	12.81	0.6	1.1	0.806951968
24/02/2015	13:51:30	81.0752	29.5102	14.46	0.7	0.6	0.173344426
24/02/2015	17:55:26	81.2117	29.4265	12.44	1.2	1.3	0.7065611
24/02/2015	18:46:51	81.0168	29.3408	11.28	1	2.1	0.705477327
24/02/2015	21:05:07	81.064	29.5245	17.12	0.7	0.6	1.742496157
24/02/2015	21:06:08	81.0617	29.5297	16.6	0.8	0.6	1.434271839
24/02/2015	21:08:11	81.0658	29.5173	15.59	0.7	0.6	0.368391765
24/02/2015	21:22:13	81.065	29.5218	16.09	0.7	0.7	1.662147773
24/02/2015	21:32:58	81.0818	29.5032	14.58	1.6	1.3	0.500580793
25/02/2015	00:38:51	81.0772	29.4763	10.57	0.7	0.5	0.42608509
25/02/2015	04:40:46	81.2128	29.3208	16.7	2.3	4	1.022030626
25/02/2015	06:02:14	81.0185	29.3427	12.65	0.8	1.5	0.984065047
25/02/2015	07:39:00	81.1522	29.4153	11.87	0.8	1.3	2.117565187
25/02/2015	14:45:24	81.03	29.3322	10.39	0.8	2.1	0.791115013

25/02/2015	15:49:48	81.0167	29.43	14.55	0.5	0.6	0.774067653
25/02/2015	15:52:18	81.0865	29.4558	9.73	0.7	0.8	0.844692612
25/02/2015	16:12:41	80.9843	29.4825	12.13	0.5	0.6	1.70675031
25/02/2015	21:18:43	80.8653	29.6902	17.46	1.9	1.2	0.426825453
26/02/2015	01:36:04	81.2027	29.5222	18.57	0.9	1	0.924695532
26/02/2015	02:18:33	80.9805	29.487	12.25	0.9	1.1	1.196232229
26/02/2015	10:43:34	80.9528	29.5077	12.07	0.5	0.6	1.046294629
26/02/2015	13:10:06	81.015	29.3442	12.6	3.1	3.9	0.403009016
26/02/2015	16:18:12	81.0275	29.3595	12.08	1.5	1.8	0.20640606
27/02/2015	02:07:43	81.0558	29.5175	14.98	0.8	0.6	0.453692053
27/02/2015	03:28:34	81.172	29.6157	15.65	1.3	0.9	0.224043215
27/02/2015	07:41:50	80.828	29.395	12.92	0.8	1.5	0.990660751
27/02/2015	08:31:58	80.8902	29.5975	17.81	0.4	0.3	1.485690902
27/02/2015	12:40:05	80.7522	29.5797	15.35	0.6	0.4	1.560883523
27/02/2015	18:56:56	80.7513	29.6588	17.19	1	0.9	1.321758093
27/02/2015	20:02:19	81.0275	29.3272	13.13	0.5	1.2	1.950141665
27/02/2015	20:06:41	81.0333	29.3242	9.69	0.6	1.8	0.988231056
27/02/2015	20:14:57	81.028	29.3205	11.45	0.6	1.5	2.071257722
27/02/2015	21:50:09	80.7292	29.5577	16.29	0.7	0.5	1.28085687
27/02/2015	23:08:02	81.2852	29.3888	15.43	0.5	0.8	1.560171421
27/02/2015	23:37:01	81.3382	29.5737	17.68	1	0.7	1.828569439
28/02/2015	10:50:27	81.3195	29.5915	17.97	1.5	0.8	1.636192727
28/02/2015	19:24:21	81.33	29.584	18.51	1	0.8	0.452571737
28/02/2015	19:27:44	81.3408	29.5773	17.94	1	0.8	2.364328972
28/02/2015	19:42:08	81.3403	29.5752	17.73	0.9	0.6	1.238818211
28/02/2015	20:12:14	81.3463	29.583	15.9	1.5	1.4	0.329413727
28/02/2015	20:24:33	81.3465	29.5827	16.89	1.4	1.1	0.892063035
28/02/2015	20:25:21	81.3325	29.5688	15.24	1	1	0.938913112
28/02/2015	20:27:07	81.3413	29.5728	17.6	0.9	0.7	1.042440017
28/02/2015	21:23:17	81.3207	29.5943	19.02	1.4	0.8	0.758454103
28/02/2015	23:56:06	81.3033	29.5997	17.76	0.9	0.4	0.688482312
01/03/2015	07:54:44	81.0267	29.4188	16.15	0.7	1.1	2.860363484
01/03/2015	09:56:35	81.0025	29.4263	10.21	5.3	10.4	0.654464311
01/03/2015	09:58:44	81.3438	29.5875	21.03	2	2.6	1.613049525
01/03/2015	10:16:44	81.341	29.6415	30.21	0	0	0.941160888
01/03/2015	10:48:34	81.012	29.349	12.42	0.9	1.1	1.069061305
01/03/2015	12:17:03	81.3375	29.5618	18.88	1.7	3.3	1.247112408
01/03/2015	12:50:40	81.3508	29.4443	28.45	1.2	2.2	1.305045984
01/03/2015	13:08:59	81.0177	29.4385	17.63	1	0.9	1.38386895
01/03/2015	16:05:25	81.0098	29.456	15.47	1.1	1.1	0.879717106
01/03/2015	16:13:27	81.343	29.4537	18.32	2	2.6	0.458053899
01/03/2015	19:35:40	81.0275	29.43	13.6	1.1	0.9	0.702281144
01/03/2015	19:54:55	81.2028	29.5475	10.53	1	2	0.354575846
01/03/2015	22:34:10	81.3013	29.6005	17.99	3.3	6.8	0.744368836
01/03/2015	22:58:55	81.2063	29.5232	5.77	0.4	0.3	0.29550073

01/03/2015	23:55:07	81.3328	29.5815	19.31	1.3	1.2	0.554479015
02/03/2015	02:46:58	81.073	29.6807	18.81	2.1	2.2	1.023465074
02/03/2015	06:30:03	81.0597	29.5182	7.33	0.6	0.8	0.629847962
02/03/2015	06:42:29	81.0758	29.501	9.56	0.6	1.5	0.556194374
02/03/2015	08:37:41	81.0302	29.3565	9.88	3.9	4.1	1.260580793
02/03/2015	09:40:28	81.3445	29.623	23.08	2.1	1.4	0.81087959
02/03/2015	11:02:06	81.294	29.6155	19.86	0	0	0.630974119
02/03/2015	11:45:12	80.8688	29.6365	11.15	1.9	1.5	1.025814585
02/03/2015	15:28:51	81.4002	29.6575	12.21	2.4	2.2	0.863118391
02/03/2015	15:55:51	81.0707	29.6057	8.7	1.9	4.6	0.665264888
03/03/2015	18:49:02	80.9	29.4803	10.14	0.5	0.5	0.403818006
03/03/2015	19:27:55	81.0158	29.4252	15.26	0.6	0.7	0.98743016
03/03/2015	20:04:47	81.1637	29.5792	12.48	1.2	1.2	0.607859724
03/03/2015	23:36:25	81.022	29.422	15.35	0.8	0.9	0.742974043
04/03/2015	01:47:44	81.2637	29.3335	2.57	1.3	19	1.014339865
04/03/2015	02:46:06	81.0057	29.4065	9.61	0	0	0.565735895
04/03/2015	07:16:04	81.1318	29.6057	9.13	1	0.7	0.627557671
04/03/2015	07:39:25	81.0228	29.4985	8.67	0.8	1	0.572152447
04/03/2015	10:10:49	80.983	29.4933	13.54	0.6	0.8	1.225307722
04/03/2015	11:08:44	80.8347	29.4988	11.21	0.2	0.2	1.053939651
04/03/2015	18:39:36	81.0385	29.4743	10.69	0.5	0.5	0.368102876
04/03/2015	19:25:55	81.0573	29.7192	17.6	2.5	2.4	0.957858803
04/03/2015	23:17:44	81.2998	29.5967	15.17	1.3	1.3	0.318413794
05/03/2015	07:41:42	80.9592	29.7258	15.2	1.6	2.9	2.430060003
05/03/2015	14:20:44	80.7028	29.6473	14.04	2.2	1.6	1.005007214
05/03/2015	15:31:17	80.9998	29.482	11.64	1.5	0.9	0.415910956
05/03/2015	19:17:33	81.0177	29.4347	15.01	0.6	0.5	1.09894647
05/03/2015	19:58:46	81.0272	29.3607	13.2	1.4	1.6	0.440982331
05/03/2015	21:19:40	80.9753	29.6915	20.28	1.3	1	0.880379664
05/03/2015	21:46:57	80.9422	29.5812	11.43	0.7	1.1	0.641050833
05/03/2015	21:47:51	80.9433	29.5838	11.46	0.5	0.7	1.089032022
06/03/2015	00:42:23	80.7833	29.731	5	2.6	26	2.686358203
06/03/2015	02:25:00	80.8042	29.4033	5.84	2	2.4	0.445481553
06/03/2015	02:37:29	81.3755	29.5702	20.96	2.1	2.4	1.42152645
06/03/2015	09:39:27	81.4862	29.4253	13	2.4	1.5	1.255395118
06/03/2015	12:57:20	81.459	29.4248	18.84	3.4	1.7	1.598065099
07/03/2015	00:38:48	80.9775	29.5168	12.95	0.9	0.9	0.625352161
07/03/2015	16:46:19	81.2148	29.5258	14.81	0.1	0.2	0.332772767
07/03/2015	18:34:22	81.0068	29.6757	10.99	0.9	0.9	0.366272429
08/03/2015	02:41:13	81.0547	29.5147	11.56	1.4	1.1	0.298650284
08/03/2015	08:28:36	80.9815	29.6303	3.34	1.1	6.1	0.276051634
08/03/2015	15:47:20	81.0273	29.326	10.5	0.7	1.7	1.162633505
08/03/2015	15:59:07	80.968	29.525	10.71	0.8	1.1	0.569961124
09/03/2015	09:41:09	81.2392	29.5743	16.53	1.3	1.2	1.1867107
09/03/2015	17:13:29	81.2292	29.5682	15.19	0.9	0.5	0.512175941

09/03/2015	18:04:20	81.257	29.5285	18.45	2.2	2.5	1.344563476
09/03/2015	18:19:42	80.895	29.5985	5	1.7	2.2	1.27155242
10/03/2015	16:09:31	80.8763	29.5513	11.66	0.5	0.6	0.937402542
10/03/2015	22:39:23	81.3247	29.6083	16.06	1	0.6	0.442903922
11/03/2015	13:24:06	80.7538	29.7378	3	4.4	47	1.161590316
11/03/2015	18:17:07	81.3082	29.5988	18.44	0.9	0.8	0.999287804
11/03/2015	20:19:48	81.181	29.5413	14.49	1.2	1.5	0.263432817
11/03/2015	22:33:36	80.8485	29.5252	9.72	0.4	0.7	0.828584542
12/03/2015	15:19:12	81.0238	29.4413	14.78	0.5	0.7	1.890982819
12/03/2015	19:36:13	80.9418	29.5068	12.13	0.7	0.9	0.639256302
13/03/2015	01:22:15	80.9633	29.6998	17.19	1.4	1.3	0.855469316
13/03/2015	05:49:25	81.0753	29.4305	13.27	1.4	1	0.943728747
13/03/2015	10:14:19	81.0865	29.5032	5	15.9	4.2	0.739648928
13/03/2015	13:34:01	81.3205	29.6907	10.75	1.2	0.9	1.031225754
14/03/2015	00:39:16	80.9337	29.6578	14.88	2.2	1.4	0.612020809
14/03/2015	07:11:23	81.072	29.6673	9.82	3	3.2	0.68740416
14/03/2015	17:23:59	81.0275	29.5032	12.41	1.4	1	0.110266179
14/03/2015	20:10:09	80.8878	29.4413	11.67	0.4	0.6	0.712350313
15/03/2015	08:00:48	80.7908	29.6258	14.24	1.9	1.2	0.814526111
15/03/2015	15:31:52	81.3155	29.5027	14.92	1.5	1.9	0.526879863
15/03/2015	17:13:05	81.3155	29.5045	15.26	1.5	1.8	0.699632691
16/03/2015	02:19:32	81.0638	29.487	11.46	0.6	0.5	0.496448242
16/03/2015	08:12:02	81.2768	29.53	17.27	1.2	1	0.713172187
16/03/2015	17:26:53	80.9502	29.411	12.62	0.4	0.6	0.923710754
16/03/2015	17:28:08	81.0935	29.5032	9.15	0.7	0.7	0.601582318
16/03/2015	19:13:15	80.9505	29.4135	12.67	0.4	0.6	0.646707218
16/03/2015	20:21:22	81.025	29.3497	12.38	0.6	1.1	0.727592323
16/03/2015	22:08:27	81.2115	29.605	13.12	0.7	0.5	0.375609467
17/03/2015	12:08:17	81.0865	29.5032	9.44	0.7	0.6	0.632086089
17/03/2015	20:43:50	81.3052	29.5222	16.41	2.2	2.9	0.2992923
18/03/2015	08:47:39	81.0927	29.5032	9.99	0.7	0.6	1.160428439
18/03/2015	10:25:39	81.036	29.3293	5	2	10.8	0.698722415
18/03/2015	10:58:01	81.0222	29.4262	13.64	0.6	0.7	1.448009249
18/03/2015	17:12:20	81.0813	29.7253	11.44	1.4	2.2	0.669061518
18/03/2015	22:17:00	81.0123	29.3347	11.21	1.4	2.3	0.337397517
19/03/2015	00:01:34	80.8285	29.656	17.13	1.6	1.8	0.507015407
19/03/2015	10:11:04	81.0153	29.3477	11.56	2	3.3	0.691898486
20/03/2015	05:12:11	80.7652	29.628	12.52	1	0.9	1.687999223
20/03/2015	12:06:40	81.0897	29.4998	9.64	0.4	0.3	0.430485413
21/03/2015	10:40:08	81.4203	29.5472	11.91	0.9	0.9	2.023153122
21/03/2015	12:18:01	80.985	29.5458	15.38	0.6	0.5	0.810370396
21/03/2015	19:21:27	80.9942	29.5685	9.83	0.6	1.1	0.257411111
22/03/2015	03:49:25	80.8007	29.4052	10.38	0.3	0.5	0.982452197
22/03/2015	04:23:39	81.027	29.3687	14.91	0.7	1	1.58092204
22/03/2015	15:43:31	80.983	29.3777	11.45	0.6	1.1	0.583881286

22/03/2015	16:35:05	81.3498	29.5645	11.43	1.2	1.4	0.519934858
22/03/2015	23:49:54	81.2302	29.5602	12.99	0.4	0.4	0.41363468
23/03/2015	04:58:13	81.2912	29.6168	5	10	8.3	1.959987215
23/03/2015	21:38:24	81.2225	29.592	15.21	0.7	0.5	0.956664566
24/03/2015	11:12:00	81.0048	29.3815	15.68	0.9	1.2	2.649853485
24/03/2015	11:19:34	80.9983	29.3937	15.5	0.8	1.1	1.248634339
24/03/2015	15:30:39	81.3852	29.4565	13.46	0.8	0.7	0.874746781
25/03/2015	10:04:42	81.0233	29.5657	6.54	1.2	1.9	0.648161292
25/03/2015	12:25:54	81.0297	29.5632	16.79	0.8	0.8	1.064662906
25/03/2015	14:20:55	81.2912	29.6168	5	6.6	5.7	1.882324809
25/03/2015	16:45:07	81.0273	29.3465	12.47	0.8	1.1	0.91083096
25/03/2015	19:38:38	81.2912	29.7035	12.1	3.8	3	1.565426701
25/03/2015	20:13:08	80.949	29.7057	16.27	1.3	1.4	0.701339485
25/03/2015	21:21:51	80.818	29.4743	10.53	0.3	0.3	0.560994248
25/03/2015	23:52:03	80.9515	29.674	15.71	1.2	1.2	1.411493559
26/03/2015	05:29:38	81.2758	29.5717	17.05	1.6	1.7	0.93158488
27/03/2015	00:32:41	80.7918	29.715	19.38	2.4	2.3	1.307112582
27/03/2015	12:15:32	81.0263	29.3265	9.83	0.7	1.9	1.663450389
27/03/2015	22:34:18	81.0263	29.327	10.58	0.5	1.4	0.868804514
28/03/2015	00:26:23	81.4213	29.5603	12.31	1.1	1	1.286341552
28/03/2015	03:08:42	80.938	29.4832	11.52	1.3	0.7	0.73371852
28/03/2015	04:15:15	81.011	29.5543	6.99	1.5	1.7	0.977681119
28/03/2015	05:31:16	80.9465	29.4803	11.58	0.5	0.6	1.568868796
28/03/2015	17:43:23	81.0277	29.3182	8.63	0.7	2.3	0.926576225
28/03/2015	17:52:40	81.0275	29.334	15.74	0.6	1.1	2.823597584
28/03/2015	18:05:35	81.02	29.335	11.71	0.7	1	0.921306275
28/03/2015	18:09:38	81.025	29.3037	10.64	1.2	3.3	0.772144552
28/03/2015	18:10:37	81.0323	29.3158	11.08	1.2	3	1.168886613
29/03/2015	00:46:08	81.0267	29.327	10.77	0.7	1.7	1.420486207
29/03/2015	00:53:01	81.325	29.6757	18.93	0.9	0.6	2.433552076
29/03/2015	09:58:57	81.0298	29.3593	11.25	3.8	5.7	0.643091585
29/03/2015	14:12:27	81.3528	29.4805	15.45	1.2	1.8	1.023305684
29/03/2015	22:06:21	81.299	29.491	16.89	1.5	1.6	1.344434312
30/03/2015	01:47:53	81.1073	29.395	13.49	2	1.9	0.594489478
30/03/2015	22:04:31	80.9458	29.4843	11.45	0.4	0.4	1.325526867
31/03/2015	04:44:22	80.993	29.4295	9.85	1.3	1.7	0.904512872
31/03/2015	18:09:05	81.0158	29.3418	12.51	1.1	1.5	0.401578808
31/03/2015	18:55:39	81.0125	29.606	17.24	1	1.1	1.59410683
31/03/2015	20:56:33	81.0175	29.349	14.63	0.4	0.6	0.674922989
31/03/2015	22:25:54	80.8008	29.679	15.69	1.1	0.9	0.7541828
01/04/2015	01:48:50	81.0275	29.3233	11.01	0.7	2	1.952004172
01/04/2015	02:36:09	81.0485	29.5293	15.59	0.6	0.6	0.766016663
01/04/2015	04:09:33	81.0077	29.3753	15.93	2.8	2.4	0.468309027
01/04/2015	06:35:01	80.847	29.4127	12.73	1	1.3	0.643174634
01/04/2015	14:08:43	81.0387	29.4863	14.76	0.5	0.6	0.373286338

01/04/2015	14:25:58	81.055	29.5032	15.42	0.7	0.5	0.225770424
01/04/2015	15:54:47	81.0705	29.4677	17.03	3.1	1.6	0.253817909
02/04/2015	22:18:59	81.289	29.5977	15.21	1	0.8	2.231579013
03/04/2015	08:44:49	81.3623	29.5537	16.63	1.1	1	1.290232305
03/04/2015	16:25:57	81.0215	29.351	13.16	1.2	1.5	0.373153669
03/04/2015	19:05:38	81.2552	29.5277	18.54	1.5	1.7	0.818160698
04/04/2015	20:39:09	81.0167	29.343	12.66	0.6	1.3	1.507828111
05/04/2015	13:27:40	81.1263	29.4243	12.82	1.2	1.5	0.516005756
05/04/2015	17:46:13	81.3893	29.4688	11.27	0.8	1.2	0.858534048
05/04/2015	19:04:28	80.848	29.6935	14.42	1.6	1.1	0.909025315
06/04/2015	02:13:19	81.1358	29.3445	10.41	2.1	4.9	0.892183619
06/04/2015	22:19:54	81.4597	29.4085	20.55	1.5	1.3	2.243915398
07/04/2015	02:45:24	81.3505	29.4737	15.42	1.5	1.9	1.143613605
07/04/2015	18:45:25	81.1082	29.5763	3.23	0.6	1.5	0.455720279
08/04/2015	07:00:43	80.9757	29.3707	18.06	1.7	1.1	0.424605816
09/04/2015	04:00:21	80.9347	29.4315	12.88	1	0.8	0.618773854
11/04/2015	01:51:17	81.0187	29.3525	11.29	2.7	4.5	0.675108643
12/04/2015	02:58:01	80.9377	29.5038	12.21	0.7	0.8	0.842613324
12/04/2015	03:03:21	80.9435	29.5	13.83	0.5	0.6	0.964497056
12/04/2015	11:43:21	80.9372	29.441	12.61	0.4	0.4	0.608908055
12/04/2015	19:50:45	80.9542	29.6883	10.42	1	1.1	1.640517317
12/04/2015	20:29:08	81.0098	29.5207	17	0.5	0.7	1.223717933
13/04/2015	10:29:09	81.3187	29.361	11.48	3.1	6.3	0.759342857
13/04/2015	11:41:23	80.8703	29.4748	10.76	0.5	0.6	1.032143567
14/04/2015	22:55:36	81.2393	29.663	11.32	0.6	0.3	0.765236231
15/04/2015	15:27:51	81.0243	29.3242	7.31	1.7	4.1	0.597989993
15/04/2015	18:32:49	80.9843	29.4998	13.86	0.7	0.7	1.476808459
16/04/2015	02:13:19	81.1073	29.5133	12.66	0.9	1.2	1.507217347
16/04/2015	08:42:24	80.9523	29.5155	14.14	1.5	0.7	0.659819557
17/04/2015	02:32:02	80.9525	29.514	14.49	0.5	0.6	1.830078231
17/04/2015	22:15:55	81.0932	29.583	11.79	0.8	1.2	1.834196273
18/04/2015	02:04:15	81.131	29.428	9.16	1.5	2	0.714403083
18/04/2015	03:29:14	81.1165	29.5032	14.18	0.9	0.7	0.410159695
18/04/2015	05:20:39	81.1427	29.45	13.29	2.4	2.5	1.179525281
19/04/2015	05:14:44	80.9077	29.5402	15.64	0.7	0.6	0.793849769
19/04/2015	05:48:44	81.0163	29.5527	11.68	0.6	0.7	0.699507171
19/04/2015	14:23:32	80.9533	29.4072	12.76	0.7	0.7	1.115674089
19/04/2015	17:50:03	81.2807	29.5937	21.59	0.9	0.6	2.305262832
21/04/2015	19:08:13	81.0095	29.6497	10.15	0.9	1.3	2.062507294
21/04/2015	20:26:21	80.9605	29.5157	14.2	0.5	0.8	1.200805914
22/04/2015	05:17:59	81.007	29.4642	10.38	0.6	1	1.29037991
22/04/2015	23:35:22	81.4038	29.48	13.32	0.2	0.2	1.11826251
24/04/2015	20:28:01	81.3763	29.6375	9.4	1.3	1	1.301123747
24/04/2015	22:57:45	80.9432	29.4197	11.97	0.3	0.3	0.821693842
26/04/2015	01:35:50	81.3965	29.4092	17.55	1.3	1.2	2.386715483

26/04/2015	04:17:41	80.9305	29.6138	13.09	1.3	1.5	1.542793394
29/04/2015	06:16:01	80.766	29.6802	13.45	1.5	1.1	1.596061674
29/04/2015	17:03:03	81.286	29.3872	15.45	1.5	1.6	0.722899837
29/04/2015	19:29:16	81.0325	29.328	9.07	0.7	2.8	1.012604019
30/04/2015	00:09:36	81.2653	29.349	11.71	2.1	5.4	1.214247341
30/04/2015	22:09:09	81.0332	29.6645	10.04	10.8	14.6	1.135224674
03/05/2015	19:46:43	81.375	29.636	9.4	1.2	1	1.047058154
03/05/2015	20:31:39	80.8065	29.6523	14.75	1.6	1.8	2.059857909
04/05/2015	00:43:25	81.3687	29.559	14.66	1.7	1.4	0.722920538
04/05/2015	10:46:17	81.0222	29.4972	13.01	0.6	0.6	1.515607839
05/05/2015	02:53:11	81.0198	29.6175	10.95	1	1.6	1.07614829
05/05/2015	09:31:50	80.9755	29.504	12.85	0.4	0.7	1.920690761
05/05/2015	10:02:17	80.9758	29.5013	12.39	0.5	0.8	1.317522494
05/05/2015	10:45:23	80.8502	29.3805	12.52	0.6	0.8	2.370428991
05/05/2015	16:36:43	81.3668	29.6202	9.53	1.6	1.6	1.684640596
06/05/2015	19:34:22	81.2432	29.551	14.1	0.3	0.3	0.632397167
06/05/2015	22:43:38	81.1212	29.6593	16.26	1.2	1	1.696602351
07/05/2015	16:27:04	81.0555	29.6437	16.21	1.1	1.2	1.422439113
09/05/2015	10:47:29	81.0948	29.4908	9.61	0.1	0.1	0.577427669
09/05/2015	14:20:07	81.0962	29.5013	13.93	0.5	1	1.233559113
10/05/2015	06:51:07	81.3142	29.5987	18.21	1.2	0.9	1.593807009
10/05/2015	14:09:12	81.057	29.527	12.72	0.9	1.8	1.249689445
11/05/2015	06:57:17	81.393	29.4783	13.81	0.8	0.8	1.726113484
11/05/2015	10:20:52	81.0723	29.3865	10.52	1.4	3.5	1.160433896
13/05/2015	14:16:26	81.1597	29.567	14.38	1	1	1.069336704
14/05/2015	20:20:38	81.0505	29.6428	15.18	1.5	2	1.986757989
15/05/2015	20:53:31	81.2483	29.5323	15.28	1.2	1.6	1.345523227
17/05/2015	02:27:01	81.0678	29.6622	15.89	1.6	2	2.218789778
17/05/2015	17:01:18	81.2182	29.3112	10.37	1.5	7	1.263393729
17/05/2015	17:48:47	80.9163	29.6962	12.72	1.7	1.7	1.864077266
17/05/2015	18:27:21	81.0737	29.6597	16.69	1.8	2.2	1.593850084
18/05/2015	15:00:15	81.179	29.5288	15.22	0.9	1.4	1.442412295
19/05/2015	17:08:05	81.3935	29.7107	14.63	1.8	2.3	2.727730656
20/05/2015	11:35:41	81.0183	29.7062	71.21	19.3	14.4	2.522740222
23/05/2015	14:12:47	80.9442	29.3908	13.24	0.9	1.1	2.415553315
24/05/2015	10:47:59	80.918	29.5962	12.38	0.3	0.3	2.001628815
29/05/2015	10:39:26	81.2342	29.5753	6.09	1.4	3.1	1.376492225
30/05/2015	17:35:43	81.0687	29.6648	12.86	1.8	2.7	1.67617042
31/05/2015	04:30:41	81.0357	29.5735	2.5	3.3	33.6	2.897684402
31/05/2015	07:55:01	81.0153	29.3283	10.39	1.1	2.8	2.575810077
31/05/2015	14:02:58	80.5227	29.8393	17.93	0	0	3.242321412
02/06/2015	01:45:46	81.332	29.4943	15.31	0.5	0.9	1.432822787
02/06/2015	02:50:40	81.3215	29.4858	15.83	0.8	1.1	1.184016948
02/06/2015	02:52:01	81.313	29.4838	17.14	1.5	2	1.649042952
02/06/2015	08:46:22	81.311	29.4828	17.24	1.7	1.9	2.381269546

02/06/2015	17:27:05	81.3695	29.3835	16.8	0.9	1.1	1.194411909
03/06/2015	22:00:14	81.2918	29.3555	13.91	0.8	2.4	0.985807461
04/06/2015	00:23:32	80.8557	29.637	16.18	0.3	0.2	1.327993642
04/06/2015	19:51:31	81.1285	29.39	16.31	1.9	3.1	0.693674021
05/06/2015	14:47:49	80.8353	29.4933	11.52	1	0.9	2.06370741
06/06/2015	19:20:47	81.4557	29.4333	14.58	1.8	1.3	1.253023754
06/06/2015	23:24:54	81.2308	29.5928	9.82	2.3	3.1	0.920015231
11/06/2015	04:20:58	80.8682	29.705	18.11	1.8	1.4	2.640391316
11/06/2015	09:16:47	81.1158	29.4318	15.2	1.9	2.8	1.306440452
12/06/2015	13:16:29	81.2912	29.6278	21.94	3.5	2.1	2.235197987
12/06/2015	13:19:29	81.2615	29.5935	19.62	3.3	3.1	1.731144292
12/06/2015	14:55:01	81.0712	29.3832	10.72	1.6	3.2	1.379539321
12/06/2015	15:03:40	81.2912	29.598	19.14	0.6	0.7	1.031458527
13/06/2015	08:58:12	81.4553	29.4248	14.98	1.5	1	1.61683228
14/06/2015	00:06:57	81.4233	29.6627	12.98	3.2	6.3	2.188862153
15/06/2015	23:41:29	81.0257	29.3333	10.62	1.3	3.1	1.886737192
16/06/2015	17:31:29	81.0098	29.3822	18.45	2.2	2.4	0.924888311
18/06/2015	20:27:00	81.0292	29.3282	10.96	1.1	2.8	1.785068421
19/06/2015	02:38:19	81.0308	29.4108	10.95	2.7	3.4	1.295391389
28/06/2015	02:57:05	81.0692	29.4227	10	0.7	1.6	2.831790567
03/07/2015	16:45:40	80.7953	29.3432	17.08	2.6	1.3	2.042175384
04/07/2015	07:04:16	81.0692	29.4288	11.6	1.6	2.5	1.714368914
04/07/2015	23:01:23	81.2208	29.5222	16.1	2.8	4.3	1.21149852
07/07/2015	10:00:10	81.4765	29.4537	16.95	2.8	1.2	1.97622233
07/07/2015	17:26:30	81.398	29.6335	14.96	0.9	1.8	1.624750241
08/07/2015	22:40:13	80.8192	29.5078	9.08	3	2.1	0.900726324
10/07/2015	09:24:51	80.8155	29.502	9.77	0	0	1.695196168
13/07/2015	02:19:26	81.0548	29.3047	1.25	0.8	22.8	2.011704934
13/07/2015	13:08:04	81.1335	29.5952	12.68	1.3	2.1	1.366535542
13/07/2015	16:50:59	81.0865	29.5793	17	2.7	2.7	1.962094181
13/07/2015	21:38:00	80.9882	29.3823	12.35	2.4	3.4	1.782233892
15/07/2015	02:29:05	80.9955	29.3665	22.28	1.4	1.4	3.287982516
15/07/2015	11:43:55	80.9032	29.3855	9.26	6.4	7.7	2.58195225
15/07/2015	13:36:37	81.0658	29.4413	16.5	2.7	1.9	1.406549257
19/07/2015	18:46:36	80.8758	29.6252	15.92	3.6	3.2	1.576350848
22/07/2015	15:22:54	81.0525	29.458	12.75	1.4	1.9	1.162495734
26/07/2015	19:05:05	81.064	29.436	12.27	1.8	2.7	1.591587903
28/07/2015	16:44:46	80.9377	29.4642	11.46	2.3	1.1	1.630337363
29/07/2015	20:44:54	80.9182	29.3697	9.34	0	0	1.559179803
31/07/2015	18:47:07	80.9957	29.5335	10.61	1.6	2	2.444544178
03/08/2015	03:58:44	80.9468	29.506	12.77	2.9	1	1.682112001
03/08/2015	07:20:55	80.9228	29.5752	16.9	4.1	1.9	1.456467852
03/08/2015	15:13:16	81.0547	29.511	9.28	1.4	2.3	2.091663719
04/08/2015	06:09:18	80.9598	29.4805	13	4.3	1.9	2.322178342
05/08/2015	00:20:55	81.0162	29.423	6.1	1.1	2.1	1.744145601

05/08/2015	19:16:09	80.8103	29.5543	27.6	0	0	4.198707868
06/08/2015	01:55:16	80.8328	29.5327	24.09	8	4.6	3.622623488
06/08/2015	18:51:57	80.7045	29.6172	5	0	0	3.007994131
14/08/2015	17:35:10	81.2912	29.4938	16.98	2.5	4	1.74823872
16/08/2015	03:42:36	81.0635	29.4347	9.53	1.7	3	1.849475194
16/08/2015	03:51:32	81.3892	29.587	12.21	2.1	2.7	2.932597034
16/08/2015	03:59:37	81.0657	29.4372	9.89	1.6	2.6	1.723781535
19/08/2015	14:04:53	80.9328	29.6802	3.56	4.3	29.4	2.435809229
20/08/2015	06:21:44	80.9365	29.5027	12.44	3.4	1.7	2.981618558
20/08/2015	21:08:30	80.8665	29.602	10.6	7.6	9.8	1.171760711
21/08/2015	19:59:23	80.922	29.5185	10.91	1.5	0.9	1.133116081
23/08/2015	04:03:39	81.4308	29.5858	11.99	0.8	1.1	2.115535863
25/08/2015	11:23:46	80.9025	29.6988	18.1	0	0	2.155342235
26/08/2015	22:44:49	81.1542	29.4465	20.45	2.5	2.3	1.474107905
28/08/2015	14:21:43	81.332	29.3715	10.75	1.7	4.8	1.894728513
29/08/2015	00:00:43	80.8297	29.5027	11.16	24.2	12.1	3.122932349
29/08/2015	01:56:58	81.08	29.4415	12.4	2	3	1.552862121
29/08/2015	13:30:47	81.2323	29.5115	16.72	3.1	4.8	1.234223789
29/08/2015	23:56:22	81.3078	29.4945	16.04	2.8	4.4	1.968868893
01/09/2015	13:52:08	80.9808	29.488	11.16	1.4	1.1	0.881160643
02/09/2015	15:42:34	80.9975	29.3717	13.75	0.7	1.1	0.671063515
03/09/2015	00:29:57	80.9868	29.3687	13.93	1.2	1.4	1.081418333
05/09/2015	10:05:16	81.1273	29.3477	14.99	1.2	3.1	1.359756354
05/09/2015	19:46:06	80.8453	29.4642	10.16	0.7	0.7	0.973817065
06/09/2015	01:36:06	81.0482	29.7053	10.86	1.7	3.6	1.334411505
07/09/2015	05:58:23	80.954	29.496	11.86	1.2	0.9	2.038434217
07/09/2015	14:34:30	80.9032	29.389	5	0.7	1.5	0.8605478
09/09/2015	17:54:02	80.7437	29.4847	5	1.4	1	0.802661015
11/09/2015	05:00:19	81.083	29.4757	11.39	1.4	2.7	1.863522546
11/09/2015	12:54:13	80.7437	29.4847	11.63	8.2	3.9	3.419784825
12/09/2015	06:08:08	80.9333	29.4473	12.32	0.9	0.9	1.271307526
12/09/2015	19:28:05	81.1323	29.6487	13.7	1.3	2.1	1.008683237
13/09/2015	05:02:49	81.3338	29.3772	15.77	1.3	2.1	1.226546988
14/09/2015	18:23:59	81.5028	29.5633	15.91	1.5	0.9	1.569228827
14/09/2015	18:28:08	81.5102	29.5647	16.41	2.2	1.3	1.623766668
14/09/2015	23:12:49	81.5323	29.5763	14.49	1.5	1.6	1.392149577
15/09/2015	07:01:34	80.9032	29.4863	83.17	11.6	4.3	2.195056523
15/09/2015	10:56:51	80.9395	29.6437	9.26	9.7	24.3	2.064298065
15/09/2015	13:38:55	80.9313	29.4642	11.44	1.2	0.6	1.178600761
18/09/2015	09:52:44	80.948	29.4705	10.82	1.1	0.5	0.650474906
18/09/2015	15:52:34	80.9113	29.5338	17.52	5	3.4	3.088093407
19/09/2015	16:36:56	81.018	29.3547	16.62	1	1.4	2.214404119
19/09/2015	19:40:44	80.7437	29.4847	5	16.3	2.5	1.361833502
19/09/2015	21:28:53	81.0045	29.3558	16.84	1.1	1.6	1.658950776
21/09/2015	23:21:09	81.2513	29.6377	16.13	1.3	0.9	1.028265009

22/09/2015	01:21:04	81.3008	29.3942	10.69	2.8	3.2	1.128051161
23/09/2015	20:35:37	81.1168	29.593	8.27	0.4	1.3	0.672864346
24/09/2015	13:44:30	81.0975	29.4552	8.61	1.2	1.4	1.520790665
24/09/2015	17:39:36	81.0988	29.4545	9.78	1.4	1.4	0.866114751
25/09/2015	01:11:52	81.0495	29.4923	10.48	1.6	4.3	1.043141881
25/09/2015	04:51:06	80.9955	29.3775	14.52	1.5	1.7	0.414040204
25/09/2015	23:26:21	81.163	29.6327	10.67	0.6	0.9	0.729864266
27/09/2015	01:42:21	81.1078	29.5653	15.89	0	0	1.54597329
27/09/2015	12:11:37	80.9672	29.5997	16.7	4.2	4.3	1.39799573
27/09/2015	16:18:15	81.1027	29.4458	8.21	1	1.2	0.803579337
27/09/2015	18:43:27	80.9298	29.4713	11.96	0.7	0.2	0.648369581
27/09/2015	22:18:51	80.927	29.438	11.97	0.4	0.3	0.712563142
28/09/2015	02:39:04	81.0542	29.442	10.38	1.2	1.6	1.027917263
28/09/2015	09:37:42	81.2123	29.4172	11.14	0	0	1.303431809
29/09/2015	09:35:14	80.7437	29.4847	10.71	11.3	6.1	3.439244058
29/09/2015	16:22:17	81.0482	29.672	12.52	2.3	4.1	1.778414928
30/09/2015	03:44:32	80.8672	29.6393	16.64	7.9	9.2	0.986555617
30/09/2015	04:21:31	80.8287	29.545	18.63	9.1	5.7	1.937678091
30/09/2015	04:21:33	80.8688	29.5107	3	7.9	24	1.955972434
30/09/2015	20:32:43	81.2205	29.5292	19.94	3.9	4.3	1.51149357
01/10/2015	09:07:20	81.1558	29.3707	15.17	2.2	4.4	1.040950784
01/10/2015	21:47:04	80.982	29.7067	5	4.7	23.9	1.291687025
02/10/2015	08:01:05	81.0942	29.585	27.32	10.1	13.2	1.75468018
02/10/2015	18:10:39	81.1443	29.6342	12.93	1.1	1.1	1.092550079
03/10/2015	02:03:26	81.1583	29.3268	16.49	1.5	4.1	1.85745344
03/10/2015	21:41:04	81.0245	29.5442	18.93	7.8	11.4	2.740324759
04/10/2015	17:11:00	81.066	29.439	9.46	0.9	1.2	0.824438052
04/10/2015	17:11:35	81.146	29.3493	16.46	0.9	2.4	1.371753521
05/10/2015	15:28:58	81.2452	29.256	1.25	6	152.6	1.273989726
05/10/2015	21:26:33	81.4312	29.5138	17.72	1	0.9	1.175099296
05/10/2015	22:49:34	81.1335	29.389	12.39	1.4	3.1	0.829993877
06/10/2015	18:15:47	81.0308	29.3457	12.63	0.9	2.1	1.03308073
06/10/2015	20:07:47	81.4483	29.5072	12.17	0.3	0.3	0.650943905
07/10/2015	16:53:55	81.3315	29.5743	15.21	2.1	1.5	1.289458018
08/10/2015	00:36:26	81.3515	29.4133	16.39	1.2	1.3	2.127491365
08/10/2015	08:15:25	81.0007	29.4642	8.94	1.9	1.4	0.969893024

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727 **Supplementary Material S6: Relative relocation HypoDD**

Date	Time	Longitude	Latitude	Depth	Horizontal Error (m)	Depth Error (m)	Magnitude MLv
01/12/2014	09:17:38	81.017074	29.427712	15.186	56.31696015	43.8	1.407661941
01/12/2014	22:21:19	81.026172	29.527645	16.786	108.9150586	95.7	1.794839334
02/12/2014	14:51:33	81.014567	29.430214	14.888	71.94122601	57.3	0.732993041
02/12/2014	15:21:02	81.076147	29.422636	10.952	162.4380805	109.7	1.304339396
04/12/2014	07:54:51	81.027222	29.40423	14.539	79.70752788	57.5	0.739066879
04/12/2014	12:33:16	81.026416	29.527745	17.149	111.1951438	94	3.18040461
04/12/2014	16:31:38	81.030273	29.406482	13.797	94.57949038	76.8	0.764611104
04/12/2014	20:33:35	81.032316	29.524738	16.658	78.2174533	64.6	1.807673461
05/12/2014	05:14:42	81.014673	29.434399	15.122	73.06161783	60.2	0.556679018
05/12/2014	09:33:06	81.017008	29.429142	14.974	79.46049333	68.6	1.335508466
05/12/2014	17:48:01	81.031364	29.52724	16.528	89.07637173	76.4	0.82055342
05/12/2014	18:15:04	81.231234	29.405884	13.086	405.5160293	251	1.528004085
06/12/2014	02:26:34	81.013599	29.431578	14.997	59.32191838	44.7	1.428715706
06/12/2014	17:54:01	81.031681	29.526465	16.251	84.54040454	70.8	0.769613093
08/12/2014	03:29:26	81.015153	29.432273	14.788	62.48919907	51.7	1.160264606
08/12/2014	04:00:58	81.011369	29.436066	15.012	54.25283403	44.1	0.907130406
08/12/2014	16:46:46	81.265828	29.38961	18.141	436.4922222	336.1	0.45007257
09/12/2014	01:42:09	81.015788	29.431742	14.845	67.05221846	54.4	0.889966092
09/12/2014	01:53:24	81.015422	29.431785	14.891	54.72001462	43.8	0.712871494
09/12/2014	02:25:09	81.017619	29.426957	14.959	60.31624988	42.7	1.18065236
09/12/2014	16:56:14	81.017912	29.427291	15.065	66.4702189	57.7	1.226721193
09/12/2014	17:57:12	81.017049	29.428746	15.135	78.5806592	67.4	1.556400689
09/12/2014	23:54:35	81.055859	29.486167	12.879	86.02377578	65.3	1.210615111
10/12/2014	04:40:16	81.009806	29.4409	15.052	110.0071361	89.9	0.773638076
10/12/2014	08:55:39	81.055347	29.486892	12.957	90.42676595	66.2	0.748469289
11/12/2014	20:37:56	81.015763	29.433691	14.878	47.70377344	37.8	0.718972692
13/12/2014	06:55:00	81.286312	29.389506	17.802	333.7598238	228.9	3.441659323
13/12/2014	07:05:48	81.287581	29.398777	13.629	339.5763537	250.1	1.197491121
13/12/2014	07:23:11	81.293481	29.392373	15.34	248.7611304	167.3	2.072817909
13/12/2014	07:43:15	81.290723	29.389986	14.583	351.9396681	226.7	1.405895312
13/12/2014	08:50:18	81.297396	29.393882	13.663	342.7639421	228.6	1.249107914
13/12/2014	08:57:12	81.285547	29.392861	14	522.8965481	310.4	1.100847254
13/12/2014	17:44:46	81.297225	29.394014	13.968	343.991279	228.2	1.200970065
13/12/2014	22:39:25	81.0295	29.5329	15.825	112.3891899	94.2	0.457251132
14/12/2014	02:31:11	81.017928	29.44504	12.292	115.1350511	94.2	1.67613835
14/12/2014	05:11:54	81.290592	29.392603	15.168	213.4442316	148	1.597558819
14/12/2014	12:01:55	81.293099	29.397068	16.526	313.1381325	215.7	1.295882114
14/12/2014	19:42:46	81.063599	29.510781	15.655	57.53607564	45.2	1.825841142
14/12/2014	20:15:12	81.0618	29.510624	16.059	53.337604	44.7	1.953808589
14/12/2014	21:34:17	81.017375	29.418223	11.662	98.24886768	77.8	0.730862022

15/12/2014	02:31:24	81.290137	29.392584	13.997	291.3991249	206.4	1.356243856
15/12/2014	13:51:10	81.060645	29.512008	14.54	58.80008503	47.1	0.446849692
16/12/2014	09:33:54	81.285246	29.397632	16.4	331.1398043	234.9	1.632579877
16/12/2014	18:43:56	81.288997	29.390072	19.91	408.7890043	277.9	3.784497892
16/12/2014	18:50:35	81.296558	29.39589	17.116	364.1975563	246.5	1.632296863
16/12/2014	18:55:39	81.29467	29.385077	17.751	340.2421638	236.3	2.192629084
16/12/2014	19:17:25	81.301823	29.385368	13.693	272.6165072	177.4	1.467872849
16/12/2014	19:20:09	81.298966	29.380271	11.122	401.1286577	297.2	1.649800217
16/12/2014	20:17:09	81.300073	29.391724	15.096	248.1179155	187.5	1.627919962
16/12/2014	21:56:34	81.285335	29.386503	18.82	361.240377	210.6	3.101564995
16/12/2014	23:17:37	81.063761	29.506942	15.603	100.0208978	81.7	1.547516707
17/12/2014	00:21:22	81.297567	29.381791	10.581	426.9364824	312.4	1.203251757
17/12/2014	15:19:06	81.058651	29.509094	15.861	41.90190926	35.6	1.443250488
17/12/2014	17:08:00	81.063387	29.510006	15.415	50.98019223	40.7	1.104704221
17/12/2014	17:33:41	81.062362	29.510213	16.026	57.10639194	47.5	2.051223732
17/12/2014	17:44:39	81.062028	29.509452	15.453	60.25446042	47.4	0.714340244
17/12/2014	17:55:41	81.05708	29.506517	14.255	51.78590542	42.7	0.500773301
18/12/2014	00:39:57	81.06084	29.508864	15.459	49.60453608	40.6	0.735774692
18/12/2014	00:45:53	81.060889	29.508411	15.999	56.0108918	45.9	1.373979213
18/12/2014	20:15:35	81.029207	29.33291	11.674	252.2941537	214.7	1.25393273
18/12/2014	21:30:39	81.298568	29.390411	13.828	382.0789447	260.4	0.966135748
19/12/2014	05:16:51	81.067562	29.506344	15.294	70.63851641	59.8	0.850621505
19/12/2014	11:06:33	81.023136	29.341956	14.531	331.3488947	278	1.169850544
19/12/2014	22:22:52	81.057349	29.509381	15.759	49.04742603	40.2	1.239172866
19/12/2014	22:26:30	81.058398	29.507737	15.658	47.43680006	40	0.83342861
20/12/2014	05:15:15	81.066048	29.507037	15.463	76.31677404	62	0.628024511
20/12/2014	15:43:57	81.066195	29.507959	15.78	58.9143446	47.9	0.750712839
21/12/2014	01:01:44	80.908187	29.422097	12.211	219.5649562	156.6	1.052479936
21/12/2014	15:39:25	80.908374	29.383555	12.837	381.3885289	261.1	1.98865224
21/12/2014	16:03:53	81.05424	29.511609	15.796	43.74117054	34.8	1.141758649
22/12/2014	13:08:12	81.23549	29.414742	12.629	427.3181719	308.1	1.66242103
22/12/2014	19:42:54	81.058415	29.50801	15.543	61.68306088	51.2	1.01456085
22/12/2014	20:37:35	81.058675	29.509519	15.883	42.63578309	35.9	1.833333196
22/12/2014	20:45:10	81.061711	29.513015	15.461	64.31523925	50.6	0.909355034
22/12/2014	20:50:04	81.057048	29.510848	15.86	58.24542901	48.2	1.34958321
22/12/2014	21:48:16	81.061011	29.505564	14.08	63.02586771	49.9	1.240350047
22/12/2014	22:04:44	81.061548	29.509283	15.082	63.12685641	52.8	0.44989248
22/12/2014	23:38:20	81.057707	29.509859	15.403	47.88026733	38.4	1.11644049
23/12/2014	20:09:55	81.294206	29.388853	15.694	194.706985	143.5	1.537135666
23/12/2014	22:53:38	81.0163	29.434369	14.57	59.53158825	40.1	0.629417421
24/12/2014	05:56:26	81.06512	29.508384	15.744	59.58942859	48.3	1.523147119
24/12/2014	10:29:38	81.014095	29.434969	14.927	74.55575095	61.6	0.916822249
24/12/2014	12:02:51	81.014144	29.434377	14.856	70.56599748	57	1.007732131
24/12/2014	18:57:35	81.060099	29.481101	12.984	94.32035835	75.3	1.782381872
25/12/2014	02:40:55	81.227938	29.442244	14.076	484.3220107	366.6	1.702324618

25/12/2014	16:57:27	81.0677	29.504118	15.206	52.13108478	40.6	1.052225268
25/12/2014	17:41:57	81.065096	29.506732	15.399	57.46042116	46.1	0.643883311
25/12/2014	17:47:12	81.090365	29.57581	10.486	118.1183305	102.5	0.670662567
27/12/2014	16:52:40	81.295532	29.364551	16.316	413.7473263	276.6	1.330651089
27/12/2014	19:24:51	81.286312	29.372241	17.132	358.0927254	267.2	0.999702845
27/12/2014	20:06:22	81.285872	29.365623	17.41	341.500937	233.5	1.563399872
27/12/2014	21:03:26	81.288249	29.365312	17.662	351.5032006	253.5	1.818072367
28/12/2014	02:56:17	81.068294	29.506907	15.359	55.64242985	44.2	1.136067219
28/12/2014	11:09:48	80.938631	29.390926	13.599	383.1763302	256.9	2.309261201
28/12/2014	14:11:43	81.051709	29.507302	14.971	76.862995	62.6	0.499093132
28/12/2014	15:28:42	80.988721	29.419885	12.906	134.4085191	84.9	0.491755727
28/12/2014	15:35:03	81.055981	29.509145	15.853	57.97732315	47.6	0.859491946
28/12/2014	18:23:58	81.05953	29.50616	16.914	84.84161715	70.7	3.707953686
28/12/2014	18:46:12	81.059937	29.510547	15.631	55.59316505	45.6	0.662112828
28/12/2014	19:15:34	81.065015	29.504972	15.367	62.67000878	50.8	0.351968353
28/12/2014	22:20:59	81.065389	29.506767	15.409	46.38124621	36.9	0.872572126
28/12/2014	22:29:33	81.051693	29.510455	15.851	62.57611365	50.9	1.097607392
29/12/2014	01:35:16	81.068717	29.500362	14.915	75.0149985	60.9	0.837518152
29/12/2014	01:39:43	81.068962	29.503489	15.099	50.52534018	39.1	0.759652961
29/12/2014	01:56:30	80.989559	29.361214	14.109	438.017648	338.9	1.757990638
29/12/2014	03:22:28	81.052246	29.512179	15.745	55.00227268	44.3	1.049740062
29/12/2014	05:55:36	81.068197	29.506293	15.401	55.83377114	45.4	1.220758759
29/12/2014	10:28:39	81.052661	29.511324	15.89	57.88376284	46.7	2.022921392
29/12/2014	18:43:27	81.051912	29.509912	15.547	59.59093891	48.8	0.435201429
29/12/2014	23:30:13	81.066642	29.503815	15.468	61.54494293	49.7	0.80116633
29/12/2014	23:39:24	81.065828	29.508632	15.362	50.81781184	41.8	0.820583904
30/12/2014	01:18:50	81.068604	29.503269	15.149	59.86802151	47.3	0.875914345
30/12/2014	13:41:56	81.067782	29.507225	15.424	60.18479875	48.6	1.450477798
30/12/2014	14:08:58	81.068921	29.507959	15.553	55.52368864	44.8	1.389279725
30/12/2014	23:06:21	81.015544	29.42959	15.096	56.87046685	48	1.602546857
31/12/2014	07:04:24	81.067619	29.505971	15.286	74.4422595	59.9	1.358903236
31/12/2014	20:27:08	81.04978	29.515432	15.565	75.06643724	61.6	0.902914495
01/01/2015	08:14:56	81.012972	29.433254	14.857	75.73565871	65.8	0.885152709
01/01/2015	08:49:46	81.016943	29.426634	14.841	53.72755345	45.1	1.602194455
02/01/2015	12:50:38	81.067952	29.510209	14.985	108.6731338	82.1	0.837288462
02/01/2015	15:04:13	81.071395	29.504787	15.64	81.99786583	67.4	1.08292764
02/01/2015	22:21:28	81.070166	29.50674	15.416	76.77043702	67.1	0.757657089
03/01/2015	22:09:01	81.085441	29.563493	9.907	87.98891976	77.8	0.885600741
05/01/2015	09:03:22	81.073397	29.505249	15.688	77.91084648	63.1	0.849069493
05/01/2015	16:41:45	81.069596	29.499931	15.573	74.02702209	60.4	1.719278604
05/01/2015	16:46:45	81.070174	29.505184	15.662	95.73238741	77.5	1.213949689
05/01/2015	16:51:39	81.073755	29.502557	15.675	66.30007541	53.1	1.477401822
06/01/2015	10:50:01	81.068628	29.505149	15.389	50.45998415	39.5	1.198578834
06/01/2015	10:55:13	81.069043	29.505153	15.374	47.80972704	36.9	1.347694003
06/01/2015	10:56:03	81.068555	29.505469	15.328	65.08002766	52.1	1.138872686

06/01/2015	18:13:34	81.217855	29.397449	12.9	334.6750364	180.7	1.592658365
07/01/2015	01:20:22	81.070076	29.50707	15.287	61.60032467	49.4	1.088179407
07/01/2015	12:14:05	81.073641	29.50496	15.304	54.31942562	41.2	1.089605471
08/01/2015	13:10:20	81.069971	29.503607	15.416	80.85177796	65.5	1.566865948
08/01/2015	19:57:34	81.094198	29.567428	12.102	113.6370538	101.7	0.735521022
09/01/2015	06:09:07	81.015666	29.43052	14.895	72.41892018	59.9	0.912120677
10/01/2015	04:07:16	81.049015	29.512284	15.743	65.92670172	54.7	1.388585331
10/01/2015	08:40:05	81.033301	29.528937	16.579	87.38060426	73.6	0.679674039
11/01/2015	00:32:58	81.050553	29.512854	15.633	70.14449373	58.7	0.507830218
11/01/2015	21:15:15	81.069881	29.505593	15.537	106.6412678	85	0.942069428
12/01/2015	17:42:05	81.051701	29.511843	15.815	98.71828605	80.1	0.550876509
13/01/2015	18:27:51	81.049129	29.511841	15.448	69.97785364	57.9	0.550669422
14/01/2015	10:32:11	80.997998	29.361271	12.154	424.1555021	324.2	1.193487598
18/01/2015	08:45:42	81.090902	29.49589	6.815	86.36810754	71.6	1.345054403
18/01/2015	15:29:05	81.068872	29.505349	15.615	70.02927959	56.7	1.808073942
18/01/2015	18:27:59	81.073568	29.505467	15.673	66.76024266	53.3	0.512746654
18/01/2015	19:42:55	81.074251	29.503009	15.558	75.93484049	62.1	0.683679715
18/01/2015	20:29:29	81.078923	29.499298	20.012	159.0777483	146.2	1.337485773
18/01/2015	20:52:02	81.066089	29.506681	15.302	47.76107201	38.4	1.364193036
19/01/2015	13:19:42	81.071582	29.501595	15.714	53.73006607	43.6	1.589903872
19/01/2015	14:20:49	81.018986	29.424884	14.985	70.20954351	45.7	2.331415815
19/01/2015	19:01:57	81.015283	29.422355	14.932	77.74895498	62.9	2.506938434
19/01/2015	19:24:42	81.010864	29.429405	13.639	73.47006193	51.6	0.23083379
20/01/2015	06:21:55	81.007381	29.435136	15.755	56.88382899	45.9	1.58202467
20/01/2015	12:38:43	81.041992	29.544419	17.305	96.3568887	79.6	1.600429606
22/01/2015	03:42:34	81.035457	29.330151	13.592	204.883113	142.2	3.994676812
22/01/2015	03:44:58	81.033854	29.335116	11.656	190.5517253	138	2.650874141
22/01/2015	03:48:43	81.029769	29.337142	14.413	224.0327208	182.1	2.166745854
22/01/2015	04:00:19	81.027816	29.339821	14.675	250.1338042	192.6	1.350486623
22/01/2015	05:18:20	81.034717	29.33598	13.202	208.2736661	162.4	2.044188307
22/01/2015	06:42:29	81.029932	29.334369	13.225	245.651725	177.9	1.157532519
22/01/2015	08:28:49	81.035425	29.329553	10.937	193.3374252	124.4	1.385538948
22/01/2015	12:18:11	81.015023	29.430233	14.676	75.06224084	45.5	0.969019588
22/01/2015	13:09:39	81.032723	29.330096	9.865	209.4157826	162.9	0.785737038
22/01/2015	14:38:30	81.022998	29.33456	13.722	200.9025883	140.4	1.832078929
22/01/2015	15:05:31	81.067521	29.509202	14.829	72.36442496	59	0.477364237
22/01/2015	15:25:28	81.025529	29.332587	10.499	276.6262822	196.9	0.945261094
22/01/2015	16:03:58	81.028288	29.32972	11.213	213.7584852	151	0.79196645
22/01/2015	16:45:49	81.03055	29.333362	12.661	203.7093272	154.3	0.884420744
22/01/2015	17:15:26	81.033797	29.338295	14.03	205.2736953	145.5	1.163072634
22/01/2015	18:22:45	81.026367	29.341538	14.699	202.0624161	164.1	1.072979082
22/01/2015	18:30:24	81.030461	29.324497	12.267	182.8518799	138.4	2.177813788
22/01/2015	18:37:43	81.026221	29.338784	14.775	214.3056695	162.6	0.756423369
22/01/2015	19:45:19	81.03007	29.329132	14.196	157.4102919	121.4	2.252001392
22/01/2015	20:12:26	81.031462	29.34294	13.596	166.1417467	110.8	0.951500504

22/01/2015	20:20:26	81.029574	29.331472	12.289	222.6887065	164.5	0.890346604
22/01/2015	21:18:55	81.030461	29.323657	12.052	242.7238142	196.2	0.876422605
22/01/2015	22:13:35	81.020776	29.337042	13.416	206.9493175	155.9	1.12147144
22/01/2015	22:23:08	81.026449	29.326605	11.309	278.1753763	237.7	1.917680141
22/01/2015	22:25:27	81.024227	29.336902	12.424	192.2502536	142	0.820873097
22/01/2015	22:28:12	81.022656	29.338352	13.145	201.2624655	156.7	0.662766304
22/01/2015	22:29:47	81.026668	29.333793	11.053	236.7336267	190.9	0.555705328
22/01/2015	22:34:21	81.027409	29.338576	14.568	212.082649	170.3	1.09590792
22/01/2015	22:57:53	81.029631	29.331201	13.319	169.6751308	114.3	1.273218083
23/01/2015	00:40:44	81.029297	29.327883	13.887	199.6515465	145.7	2.370667016
23/01/2015	01:23:46	81.029891	29.334316	14.958	197.2852757	146.8	2.105058359
23/01/2015	01:32:21	81.035148	29.334387	14.164	208.0256955	169	1.770339647
23/01/2015	01:47:17	81.027507	29.334843	13.681	236.7837832	176	1.743322493
23/01/2015	01:47:50	81.027507	29.334253	14.834	208.7667598	166	1.848573246
23/01/2015	07:37:34	81.028483	29.329045	13.517	179.9776931	129.1	1.448513175
23/01/2015	07:44:01	81.025911	29.332361	11.176	194.5609416	146	1.583731974
23/01/2015	09:13:16	81.034733	29.32856	10.914	184.6571147	136.1	1.283052559
23/01/2015	09:16:34	81.036222	29.324441	11.251	297.1278513	236.4	2.153806424
23/01/2015	09:29:36	81.012712	29.331649	13.764	216.812269	151.6	1.990437657
23/01/2015	09:52:39	81.028768	29.342145	15.26	227.3266592	182.9	0.968846079
23/01/2015	09:55:36	81.012459	29.342763	14.988	264.6003212	175.3	1.320867251
23/01/2015	10:11:14	81.036849	29.324976	11.431	177.0482985	129.9	1.943227136
23/01/2015	11:23:43	81.034041	29.330353	11.562	318.1804519	237.8	1.152937643
23/01/2015	15:44:40	81.018587	29.339742	14.801	187.7791256	148.6	1.596034567
23/01/2015	17:03:43	81.023145	29.336296	15.152	196.4247693	152.5	1.784378866
23/01/2015	18:37:22	81.036816	29.332591	13.073	189.4066789	138.5	1.493179838
23/01/2015	23:37:22	81.026221	29.336863	14.723	157.9929429	122.4	1.27211772
24/01/2015	00:53:04	81.027287	29.32491	12.895	222.046932	185	2.85772616
24/01/2015	00:55:56	81.030656	29.32841	11.408	235.5741285	186.9	1.185079355
24/01/2015	01:27:16	81.03064	29.330278	12.027	206.1496786	128.5	1.017784182
24/01/2015	02:32:10	81.029736	29.341982	15.111	427.977219	376.5	0.853369285
24/01/2015	05:55:18	81.035872	29.320801	12.91	210.34524	138.4	3.164135299
24/01/2015	08:28:36	81.032853	29.33455	11.841	225.8361574	171.1	1.152899388
24/01/2015	11:00:20	81.027677	29.329816	12.355	184.9366648	141.9	1.46422737
24/01/2015	13:35:43	81.027132	29.332338	10.903	239.9424306	171.9	0.961500012
24/01/2015	15:13:50	81.032894	29.333565	12.615	196.7470711	143.5	0.829538281
24/01/2015	16:10:23	81.031828	29.332391	10.93	207.6258173	144.8	0.579978168
24/01/2015	17:01:34	81.028979	29.329458	11.249	196.1832817	141.2	1.095848481
24/01/2015	17:51:53	81.034855	29.341766	13.16	218.4295081	165.2	0.95162089
24/01/2015	18:23:30	81.034928	29.338841	13.42	300.8615795	228	0.566061145
24/01/2015	19:23:40	81.037817	29.33033	10.817	185.8973911	135	1.327050604
24/01/2015	19:38:49	81.034188	29.334159	13.242	195.0182043	130.3	0.908364166
24/01/2015	20:11:56	81.064502	29.50944	15.395	107.0998133	86.9	0.930925315
24/01/2015	21:17:33	81.033455	29.334963	13.759	182.7737673	140	1.336178001
24/01/2015	21:27:07	81.034749	29.333972	12.234	185.9338054	139.7	0.947199198

24/01/2015	21:29:03	81.034237	29.333443	13.848	206.7929641	168.2	2.367702808
24/01/2015	21:36:51	81.036808	29.331281	11.467	167.0045808	112.2	0.940337995
24/01/2015	21:37:57	81.050049	29.519963	15.984	67.24856876	52.6	0.513971174
24/01/2015	21:51:24	81.028947	29.331179	15.057	194.944428	159.7	1.910848888
24/01/2015	21:54:08	81.036475	29.333952	11.558	238.3800537	166.7	1.070774107
24/01/2015	22:14:49	81.032243	29.334959	14.353	214.1036431	168.1	1.607342637
24/01/2015	22:45:03	81.047656	29.50894	15.567	75.49543033	63	0.26004094
24/01/2015	23:49:26	81.034416	29.326121	12.306	178.6237666	142.2	2.052995061
25/01/2015	00:04:00	81.024455	29.335264	14.963	181.3994487	124	1.392304451
25/01/2015	00:10:20	81.030754	29.332908	12.74	230.1375241	185.8	1.26840774
25/01/2015	00:32:30	81.049259	29.520732	16.146	63.122896	51.5	0.777800572
25/01/2015	00:39:40	81.074544	29.506714	15.463	68.88962186	56.3	0.994234388
25/01/2015	02:20:14	81.022233	29.336595	13.916	198.3494391	144.1	1.315582976
25/01/2015	02:27:13	81.027124	29.326062	14.784	186.9806675	147.9	2.926188063
25/01/2015	02:31:10	81.027295	29.335433	14.149	226.5790149	173.1	1.770189324
25/01/2015	02:32:17	81.020703	29.343705	15.941	215.4662387	163.7	1.568732055
25/01/2015	02:56:46	81.026367	29.328412	12.864	186.5035388	139.4	1.813510024
25/01/2015	02:57:58	81.033219	29.336568	13.688	239.3747272	182.5	1.224891518
25/01/2015	03:37:23	81.028581	29.33938	15.075	208.6207324	143	1.373028813
25/01/2015	04:10:45	81.024609	29.33315	15.135	197.2955144	160.6	2.011978392
25/01/2015	06:39:59	81.025098	29.338556	14.203	181.6222453	131	1.0383991
25/01/2015	06:49:13	81.029289	29.330074	12.568	190.9034573	138.2	1.828086965
25/01/2015	07:00:47	81.03304	29.32667	12.975	183.2290643	144	2.61097962
25/01/2015	07:05:50	81.031917	29.333929	12.899	232.3447439	154.2	0.89354667
25/01/2015	07:20:10	81.033057	29.328005	11.508	200.8639589	150.7	1.109916732
25/01/2015	07:42:28	81.03335	29.330876	12.458	159.3893974	119.3	1.63923446
25/01/2015	07:55:51	81.031698	29.335315	14.783	210.6856663	151.8	1.671678625
25/01/2015	08:03:24	81.039437	29.324229	10.211	344.7835553	288.3	1.289274979
25/01/2015	08:26:01	81.02793	29.328522	12.293	184.7128041	135.9	1.580498005
25/01/2015	08:48:56	81.032121	29.338865	14.37	194.6257948	145.2	1.468346759
25/01/2015	08:57:14	81.03234	29.334066	10.304	266.6971316	210	0.748274608
25/01/2015	09:46:18	81.031055	29.331453	14.073	214.4004198	152.7	1.624532556
25/01/2015	10:22:46	81.029102	29.325458	13.322	196.7705517	154.7	2.247989232
25/01/2015	11:49:48	81.030298	29.337634	14.488	277.6439446	223	1.075851735
25/01/2015	12:57:51	81.033374	29.332157	14.387	199.2827639	138.9	2.417283633
25/01/2015	13:01:35	81.033455	29.338281	13.901	226.7199374	177.7	1.001140646
25/01/2015	13:23:33	81.034139	29.340767	12.964	226.0115484	147.9	0.830400696
25/01/2015	13:26:45	81.034041	29.334184	13.591	209.0576954	165.6	1.521855683
25/01/2015	14:23:10	81.028044	29.333736	14.45	164.014664	118.4	2.857029862
25/01/2015	14:53:35	81.027303	29.337335	15.1	167.3898444	124.4	1.039222124
25/01/2015	15:09:03	81.02915	29.328739	12.758	187.2244909	141.5	2.234901908
25/01/2015	15:19:02	81.03042	29.349412	15.396	271.7016378	213.3	0.876083771
25/01/2015	15:21:05	81.031771	29.331856	14.389	172.3791461	127.6	1.568376817
25/01/2015	15:36:13	81.032992	29.333445	12.562	228.7749112	157	1.486788192
25/01/2015	15:38:04	81.027189	29.33076	13.42	181.5362223	132.4	1.708191782

25/01/2015	16:31:36	81.04563	29.518355	15.463	70.79505632	57.5	0.767324304
25/01/2015	16:49:39	81.028052	29.341608	13.545	229.1162369	187.2	0.698645125
25/01/2015	16:59:59	81.024512	29.336572	14.338	214.5658174	170.7	0.869673681
25/01/2015	18:37:34	81.025667	29.34873	15.217	267.5212515	220.9	1.03176064
25/01/2015	19:56:20	81.037101	29.329816	12.378	186.3758032	141.5	1.571443766
25/01/2015	20:17:38	81.02509	29.338949	15.83	212.4023776	180.1	2.298654019
26/01/2015	02:11:30	81.026815	29.332324	15.036	174.3993406	136.3	2.039251665
26/01/2015	02:13:28	81.034595	29.335315	9.897	298.4564457	228.5	0.852485961
26/01/2015	02:31:25	81.028516	29.325639	14.581	186.0342173	145.2	2.931452652
26/01/2015	02:44:52	81.025	29.336216	15.474	223.0560468	181.4	1.489948127
26/01/2015	03:01:55	81.027458	29.331645	13.857	210.1476862	161.8	1.343205409
26/01/2015	03:18:04	81.026872	29.334625	14.358	208.1684895	165.4	1.092726177
26/01/2015	04:13:19	81.033008	29.329183	12.78	199.880064	152	2.705023064
26/01/2015	04:20:18	81.0337	29.331199	13.541	173.9420881	126.3	2.291761218
26/01/2015	04:35:23	81.033276	29.336473	13.873	208.4558466	147	1.211082678
26/01/2015	04:38:17	81.030396	29.334017	13.085	253.3717032	215.1	0.91238634
26/01/2015	04:48:17	81.028475	29.33173	12.673	255.4779247	180.4	0.868964098
26/01/2015	06:09:22	81.027116	29.329978	15.16	210.3019258	177.3	2.528753228
26/01/2015	06:24:29	81.0354	29.333934	13.305	198.710971	150.2	2.133433365
26/01/2015	07:14:22	81.023918	29.329289	12.181	275.1450708	200.9	0.862811575
26/01/2015	07:28:17	81.031152	29.32757	13.184	175.5	140.4	2.67043019
26/01/2015	07:49:53	81.029207	29.32583	13.016	194.8579226	145.6	2.433650338
26/01/2015	07:51:38	81.029215	29.33383	13.776	180.1069127	136.5	1.830185797
26/01/2015	08:08:44	81.032015	29.341595	14.576	290.4509941	246.7	1.235790785
26/01/2015	08:13:14	81.036776	29.316992	7.803	506.0838369	359.8	1.019853021
26/01/2015	08:23:04	81.031128	29.324622	10.631	362.9852476	253.5	0.89461021
26/01/2015	08:35:31	81.031291	29.333734	12.803	188.6899308	147	1.457536694
26/01/2015	08:44:58	81.021737	29.334599	14.253	253.5883672	204.1	0.92338487
26/01/2015	08:49:29	81.028516	29.345028	15.743	241.150762	198.8	1.122441612
26/01/2015	09:58:06	81.027205	29.328459	11.979	200.5080048	163.9	1.359943687
26/01/2015	11:07:46	81.026644	29.323492	14.116	212.587041	181	3.4079289
26/01/2015	11:14:33	81.023763	29.332391	14.501	198.7713511	139.7	1.671941903
26/01/2015	11:17:09	81.027987	29.333527	14.961	244.1683436	184.7	1.531351245
26/01/2015	11:18:57	81.031185	29.336869	13.756	255.4169924	179	0.957032453
26/01/2015	11:33:16	81.027246	29.327012	12.739	183.58257	128	1.941623729
26/01/2015	11:34:18	81.024894	29.335938	15.272	210.758867	166.9	1.859987585
26/01/2015	11:39:31	81.02832	29.326693	12.473	212.4907763	168.7	1.851955526
26/01/2015	11:41:57	81.027694	29.330741	13.599	174.8284874	129	1.86891298
26/01/2015	12:12:14	81.03383	29.332845	13.105	214.5468946	170.6	1.000626291
26/01/2015	12:21:23	81.030396	29.33408	13.39	166.7387178	124.6	1.810493525
26/01/2015	12:35:28	81.028076	29.336149	14.675	196.4863863	135.7	0.991831609
26/01/2015	12:39:58	81.024211	29.330324	14.74	178.0998596	133.4	2.329962906
26/01/2015	12:53:36	81.033903	29.331586	12.661	206.1707302	134.1	1.137402491
26/01/2015	13:05:09	81.023633	29.333628	15.079	202.362373	161.3	1.738986472
26/01/2015	13:18:54	81.072827	29.502153	15.208	86.20469825	69.5	0.798041369

26/01/2015	13:20:53	81.023584	29.332568	15.458	264.69864	189.9	1.149881704
26/01/2015	13:29:00	81.022469	29.333197	14.079	264.9075688	214.9	0.729927975
26/01/2015	13:36:23	81.033268	29.324341	13.079	213.7082357	158	1.838767385
26/01/2015	13:51:02	81.030754	29.334066	13.777	167.0478973	131.2	1.697692541
26/01/2015	13:59:34	81.027157	29.342454	14.053	195.8979326	150	1.173323177
26/01/2015	14:19:08	81.030802	29.334528	11.485	207.0056279	155.8	0.649297704
26/01/2015	14:35:17	81.026554	29.336312	13.851	183.3982006	143.9	1.211987941
26/01/2015	15:53:23	81.028996	29.328864	13.81	194.0998197	143.5	2.320456113
26/01/2015	17:23:01	81.034937	29.344753	13.737	213.4756426	151.1	0.867738258
26/01/2015	17:28:29	81.031771	29.329287	13.939	177.9431932	128.3	2.180383528
26/01/2015	17:31:24	81.034505	29.333413	12.434	203.0064531	136.9	0.978716826
26/01/2015	17:40:57	81.039258	29.329313	10.041	249.272	174.2	0.863490084
26/01/2015	17:49:11	81.032739	29.327386	12.973	196.8594676	147.3	1.744409004
26/01/2015	17:50:50	81.03125	29.328532	11.449	180.635434	130.4	1.590607985
26/01/2015	18:18:58	81.037679	29.333626	11.242	214.634876	154.2	1.333015758
26/01/2015	19:04:19	81.033301	29.331761	12.377	184.0997827	140.3	1.290749036
26/01/2015	19:07:59	81.028833	29.337579	14.87	188.0745065	144.9	0.99588678
26/01/2015	20:07:21	81.032601	29.329685	12.555	173.6002592	132.3	1.746507562
26/01/2015	20:38:46	81.028377	29.346608	13.457	215.1522717	141.7	0.617985248
26/01/2015	20:46:21	81.028223	29.335012	15.03	203.5383993	167.8	1.656920307
26/01/2015	21:01:19	81.027677	29.337231	13.922	243.6796463	185.6	0.734315809
26/01/2015	21:21:18	81.032194	29.326296	13.284	216.4628606	137.6	1.94233498
26/01/2015	22:10:48	81.030599	29.342631	13.542	271.9710463	207.6	0.593048483
26/01/2015	22:30:52	81.033797	29.329531	12.461	186.5261376	140.4	1.432940587
26/01/2015	22:46:58	81.028866	29.339589	13.709	258.3060201	211	1.003031664
27/01/2015	00:33:46	81.034652	29.328894	12.501	162.9402958	126.5	1.483217172
27/01/2015	01:04:00	81.035083	29.335714	12.628	255.3778573	206.1	1.25876105
27/01/2015	01:22:14	81.033659	29.33075	11.821	186.9804535	128	1.373091929
27/01/2015	02:37:11	81.025594	29.360278	16.922	387.8137311	288.2	0.751028235
27/01/2015	02:44:06	81.029606	29.342354	14.497	199.7681907	142.7	0.996589505
27/01/2015	03:45:08	81.027214	29.33441	13.275	245.5412389	193.7	0.84949362
27/01/2015	04:31:02	81.036003	29.331093	13.903	176.5404486	129.3	2.137517516
27/01/2015	04:37:46	81.039673	29.32511	10.304	247.9828421	209.3	1.108145324
27/01/2015	07:06:21	81.029557	29.339917	15.006	176.7011602	133.9	1.438102374
27/01/2015	07:19:57	81.02002	29.332981	14.383	189.668553	143	2.565000755
27/01/2015	07:59:36	81.038753	29.320138	9.5	323.7611002	266.6	1.472613692
27/01/2015	10:09:49	81.035604	29.31818	9.343	294.6093176	229.2	1.650904652
27/01/2015	13:21:54	81.017057	29.426931	15.19	50.18814601	33.8	1.692808011
27/01/2015	13:24:13	81.017253	29.423499	14.24	98.64527358	78.3	0.376410297
27/01/2015	14:15:59	81.026717	29.337624	13.84	221.4760032	155.1	0.970309086
27/01/2015	15:16:39	81.033813	29.325966	12.512	200.4923191	144.1	3.2154948
27/01/2015	15:47:50	81.030851	29.337724	14.398	213.2616234	164.6	1.002488127
27/01/2015	16:27:13	81.03741	29.331325	12.785	181.4169231	147.3	1.84087799
27/01/2015	17:21:27	81.038013	29.332859	13.556	195.6632055	139.5	1.765856607
27/01/2015	17:29:26	81.033716	29.329728	12.024	239.2042015	178.8	1.627619031

27/01/2015	17:45:32	81.033016	29.327572	11.221	267.4630629	213.2	0.727093548
27/01/2015	23:30:54	81.028052	29.345321	14.767	202.7704614	148.1	0.744764117
28/01/2015	00:45:45	81.037199	29.340983	13.949	223.1092333	155.8	1.030916696
28/01/2015	04:23:21	81.034049	29.318565	11.236	253.0488688	195.8	1.634496673
28/01/2015	04:56:59	81.031755	29.326851	12.071	344.5830669	241.8	1.117235978
28/01/2015	05:14:10	81.029045	29.329429	14.031	159.9890621	120.1	2.532456488
28/01/2015	06:51:04	81.027303	29.340027	13.252	269.3796206	212.7	1.041916843
28/01/2015	09:13:47	81.029549	29.326725	12.643	233.7701649	185.7	1.634267356
28/01/2015	09:25:33	81.036255	29.331289	12.011	176.3724752	113.5	1.26884411
28/01/2015	11:24:11	81.026538	29.335954	13.292	217.8843042	169.1	1.571297669
28/01/2015	13:40:37	81.028394	29.331944	12.115	211.8410961	159.6	1.511128398
28/01/2015	14:11:41	81.025358	29.332922	14.911	172.4588357	133.4	1.548294356
28/01/2015	14:38:31	81.031852	29.323083	12.388	180.0840082	140.7	2.508698659
28/01/2015	14:44:45	81.029858	29.334035	14.201	178.299327	131.6	1.595780584
28/01/2015	14:52:27	81.031844	29.328377	12.863	225.8966357	164.8	2.176921353
28/01/2015	15:01:59	81.027555	29.340289	15.084	261.2209027	203	0.682555819
28/01/2015	15:22:11	81.022811	29.349396	15.896	269.1175394	199.7	0.759649444
28/01/2015	17:41:37	81.02277	29.343805	13.874	223.8717713	183.6	1.207320326
28/01/2015	19:07:36	81.029753	29.33299	13.504	206.4597782	140.8	0.944817829
28/01/2015	21:38:11	81.021655	29.349237	15.162	695.3864249	488.2	0.748578732
28/01/2015	22:00:47	81.02985	29.323926	14.245	206.0116744	158.5	2.827335396
28/01/2015	22:05:21	81.028581	29.330062	14.963	204.4783118	159.7	2.165410689
28/01/2015	22:06:07	81.028678	29.329952	15.12	199.9361148	162.2	2.320515461
28/01/2015	22:13:26	81.030241	29.331893	14.3	176.085661	133	1.771205078
28/01/2015	22:14:34	81.02915	29.328487	14.038	185.143971	139	2.038887969
28/01/2015	22:16:26	81.032967	29.325716	12.099	189.4287465	141	1.981850971
28/01/2015	22:29:03	81.026839	29.33704	14.602	212.5308448	175	1.187112929
28/01/2015	22:30:08	81.026237	29.332275	15.617	216.0209481	173.2	1.903642715
28/01/2015	22:36:22	81.025163	29.333504	15.818	205.7694098	169.2	1.736026998
28/01/2015	22:39:10	81.031925	29.329541	11.624	201.8817723	143.5	1.293339611
28/01/2015	23:03:34	81.026864	29.334788	15.557	256.2836319	223.9	1.427860303
28/01/2015	23:16:46	81.029891	29.328389	14.209	171.7234113	127.8	1.905413855
28/01/2015	23:48:40	81.030111	29.325262	14.314	178.1673651	143.5	2.562723963
29/01/2015	00:01:35	81.029932	29.326031	13.804	184.0869631	137.5	2.178608033
29/01/2015	00:14:21	81.027979	29.322852	12.133	316.5235694	266.1	0.631987886
29/01/2015	00:51:25	81.030062	29.329616	14.534	190.5080051	146.9	1.40492646
29/01/2015	01:24:49	81.022135	29.327775	11.754	279.1313848	217.3	1.18318517
29/01/2015	01:37:36	81.031299	29.329492	13.239	226.265552	183.7	1.311636155
29/01/2015	01:40:26	81.032104	29.325909	13.494	179.2379982	144.9	1.985512192
29/01/2015	01:44:22	81.023633	29.339396	16.076	238.4492609	197.1	1.53710956
29/01/2015	03:40:40	81.028491	29.33327	13.585	204.2963534	156.6	1.461795686
29/01/2015	09:51:53	81.027222	29.34186	14.162	239.4625858	182.7	0.973977712
29/01/2015	10:07:30	81.031958	29.329368	12.36	201.5997272	141.7	1.3674508
29/01/2015	14:18:41	81.027604	29.340226	13.405	264.8390077	182.1	0.849072743
29/01/2015	17:17:22	81.021729	29.33752	12.183	206.8430323	164.8	1.017212161

29/01/2015	18:52:06	81.029142	29.34175	13.918	224.397705	164.8	0.971759879
29/01/2015	22:23:51	81.02041	29.336991	14.119	216.6835481	172.6	1.140323469
29/01/2015	23:40:31	81.02701	29.338668	13.944	213.9256179	148.9	0.768332471
30/01/2015	00:11:02	81.031242	29.333246	13.379	174.4054185	127.5	1.145355357
30/01/2015	01:31:08	81.031787	29.333577	12.922	217.1926334	160.8	0.970884204
30/01/2015	01:54:34	81.032674	29.337022	13.252	188.0093615	144.4	1.783479573
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31/01/2015	12:22:00	81.051766	29.511965	15.773	56.52548098	46.8	1.547422089
31/01/2015	19:52:07	81.073161	29.502814	15.098	49.14977111	39.9	0.515171389
31/01/2015	20:38:21	81.07207	29.502909	15.282	52.38415791	42.3	0.370683749
01/02/2015	00:28:57	81.051351	29.511043	15.821	59.82457689	48.3	1.090957928
01/02/2015	07:15:40	81.024715	29.331746	11.876	248.671852	201.3	1.416760181
01/02/2015	17:09:36	81.030697	29.335278	14.687	190.2827633	134.3	1.081485029
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04/02/2015	23:21:53	81.070736	29.505524	14.917	60.05239379	47.3	0.625407506
05/02/2015	07:47:18	81.069393	29.508012	15.179	63.41293244	53.4	0.70731213
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11/02/2015	09:36:30	81.066895	29.505062	15.573	61.35511389	50.6	1.563326715

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12/02/2015	19:10:43	81.064095	29.509617	16.069	80.44532305	62.7	0.956346173
12/02/2015	19:38:29	81.064819	29.507231	15.505	73.39877383	59.7	1.06362126
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14/02/2015	00:23:14	81.039136	29.335325	12.765	214.7854976	161.5	1.074840716
14/02/2015	03:09:38	81.03055	29.324266	11.332	264.6784653	203.7	1.44762869
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16/02/2015	17:28:48	81.015373	29.434967	14.963	58.01939331	45.5	0.865466441
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18/02/2015	19:23:37	81.032072	29.345256	14.788	215.0279284	146.5	1.427922602
19/02/2015	14:14:09	81.076147	29.504303	15.673	79.31613959	64.4	1.451217768
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24/02/2015	21:06:08	81.060319	29.522239	16.521	76.56611522	64.6	1.434271839
24/02/2015	21:08:11	81.061149	29.521582	15.853	97.52148481	83	0.368391765
24/02/2015	21:22:13	81.061157	29.521466	16.513	63.52102014	53.4	1.662147773
24/02/2015	21:32:58	81.062931	29.512278	15.319	58.13639136	48	0.500580793
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25/02/2015	15:49:48	81.018449	29.429586	14.701	53.00235844	42.1	0.774067653
25/02/2015	15:52:18	81.086914	29.459768	10.154	117.8657287	87.2	0.844692612
27/02/2015	20:02:19	81.031885	29.325702	14.351	178.8793169	123.4	1.950141665

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27/02/2015	20:14:57	81.030444	29.323875	13.579	174.5970504	138.2	2.071257722
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18/03/2015	08:47:39	81.095483	29.497514	9.887	84.19132972	73.7	1.160428439
18/03/2015	10:58:01	81.020638	29.423897	14.477	72.98890327	57.7	1.448009249
22/03/2015	04:23:39	81.031852	29.338306	14.348	257.2566812	209	1.58092204
24/03/2015	11:12:00	81.013875	29.355094	14.141	284.2934048	223.5	2.649853485
25/03/2015	16:45:07	81.037801	29.345603	13.039	242.8356852	192.6	0.91083096
27/03/2015	12:15:32	81.039176	29.321604	10.179	230.1570116	178.9	1.663450389
27/03/2015	22:34:18	81.036613	29.330817	11.637	310.3837141	264.2	0.868804514
28/03/2015	17:43:23	81.033049	29.338802	13.281	259.5063198	173.7	0.926576225
28/03/2015	17:52:41	81.032544	29.323383	14.735	218.61537	177.8	2.823597584
28/03/2015	18:05:35	81.037101	29.324109	11.382	297.5002521	194.4	0.921306275
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29/03/2015	00:46:08	81.034595	29.320418	11.083	253.6835233	195.8	1.420486207
31/03/2015	20:56:33	81.030705	29.340979	15.471	237.8971627	180.9	0.674922989
01/04/2015	01:48:50	81.032202	29.32266	12.472	202.6380024	131	1.952004172
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04/04/2015	20:39:09	81.023657	29.338652	12.82	179.0251379	145	1.507828111
12/04/2015	20:29:08	81.012948	29.505581	17.856	139.3646297	120.1	1.223717933
16/04/2015	02:13:19	81.108244	29.505678	13.901	96.33275663	81.6	1.507217347
19/04/2015	14:23:32	80.951139	29.408689	12.748	147.7517174	95.9	1.115674089
26/04/2015	01:35:50	81.38033	29.40203	16.665	436.1119696	364.2	2.386715483
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03/06/2015	22:00:14	81.289518	29.362282	15.331	650.3805425	465.8	0.985807461
15/06/2015	23:41:29	81.028776	29.334086	12.194	231.2630537	188.2	1.886737192
18/06/2015	20:27:00	81.035286	29.326803	11.844	216.3253337	155.1	1.785068421

19/09/2015	16:36:56	81.032324	29.330314	15.11	251.5209932	214.1	2.214404119
19/09/2015	21:28:53	81.023153	29.33264	14.875	227.2855913	178.5	1.658950776
06/10/2015	18:15:47	81.037101	29.347038	14.585	294.7111467	192.1	1.03308073
08/10/2015	00:36:26	81.360856	29.418486	18.236	444.4204878	365.1	2.127491365

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Figure
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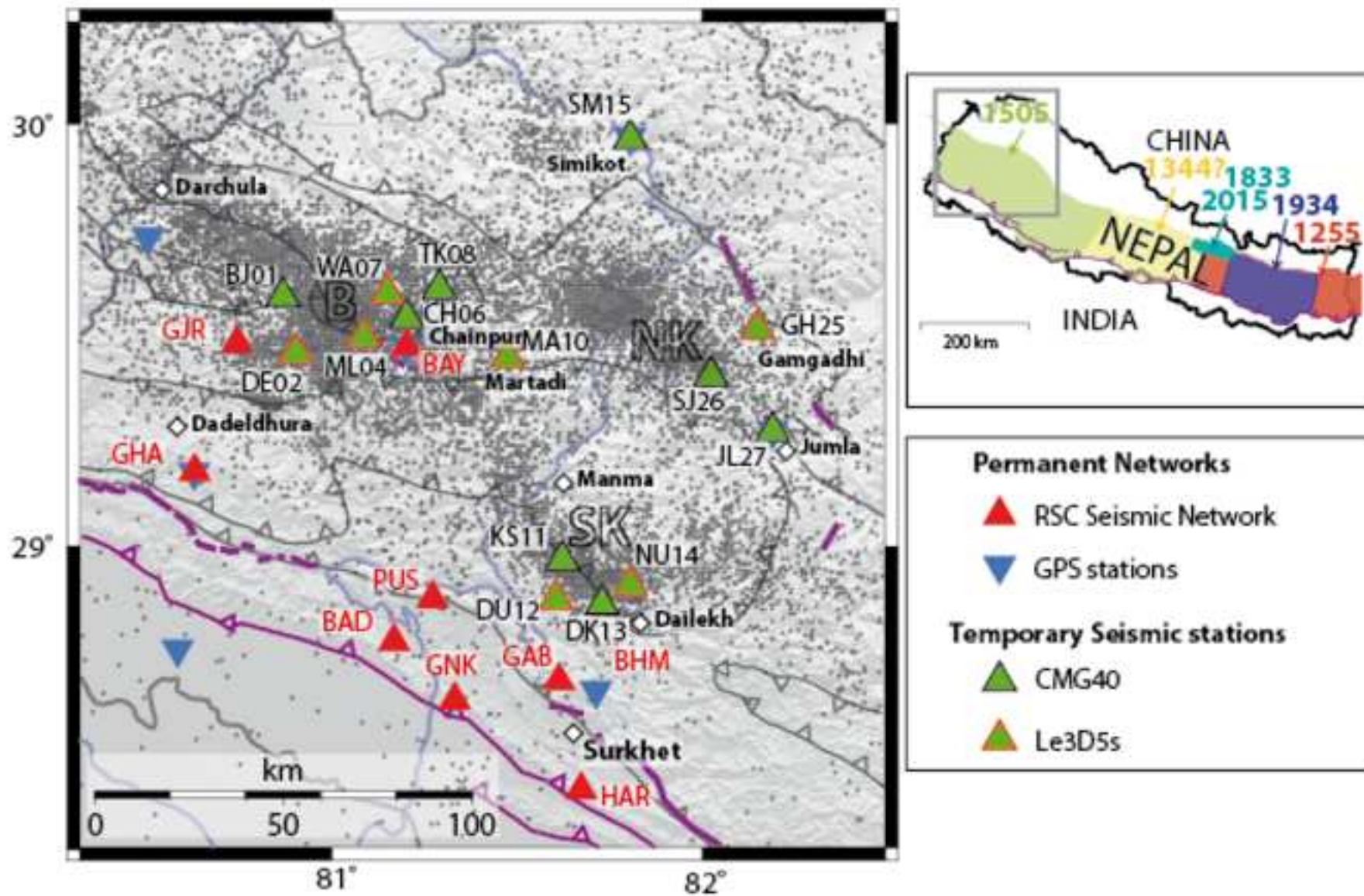
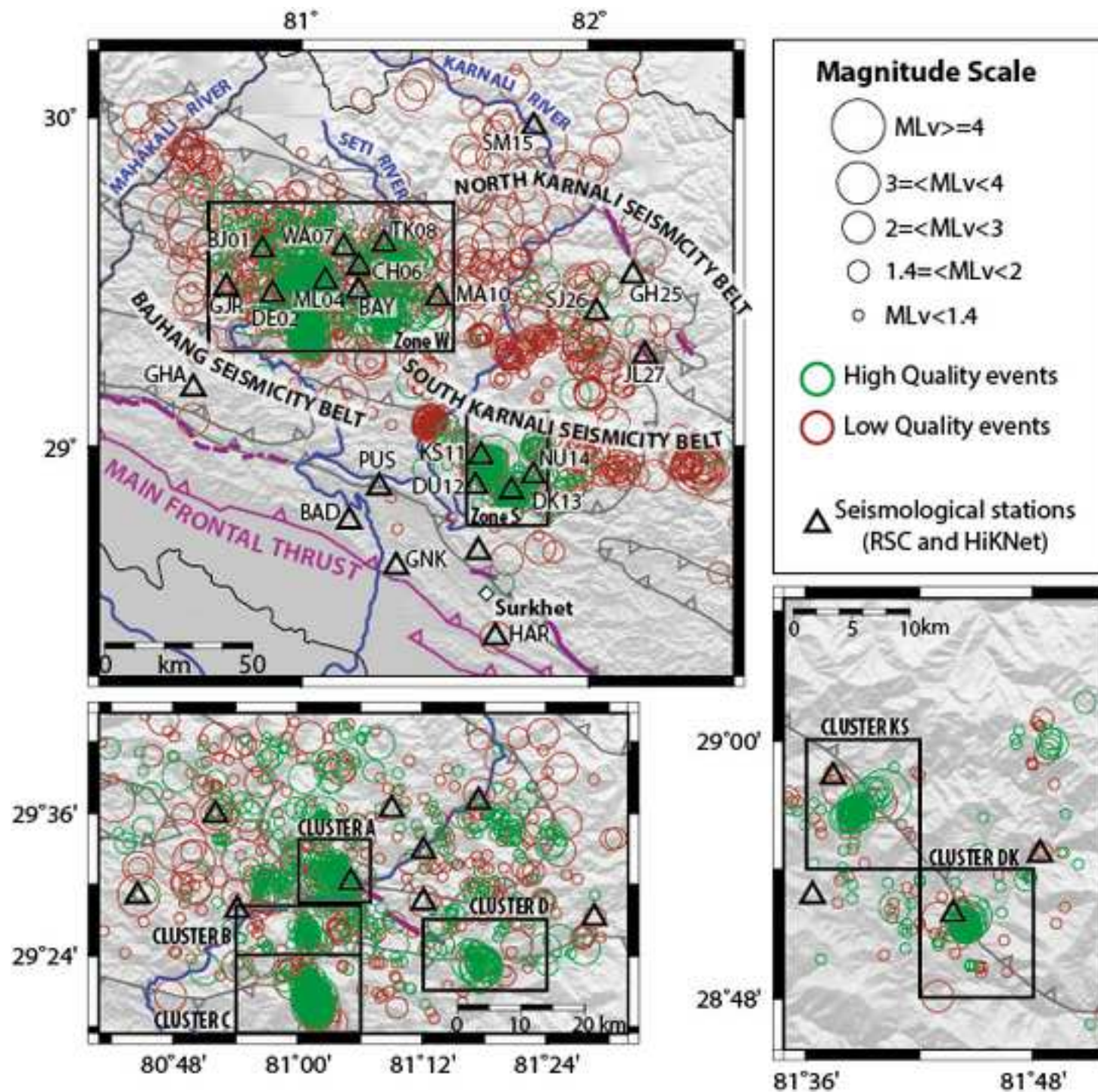
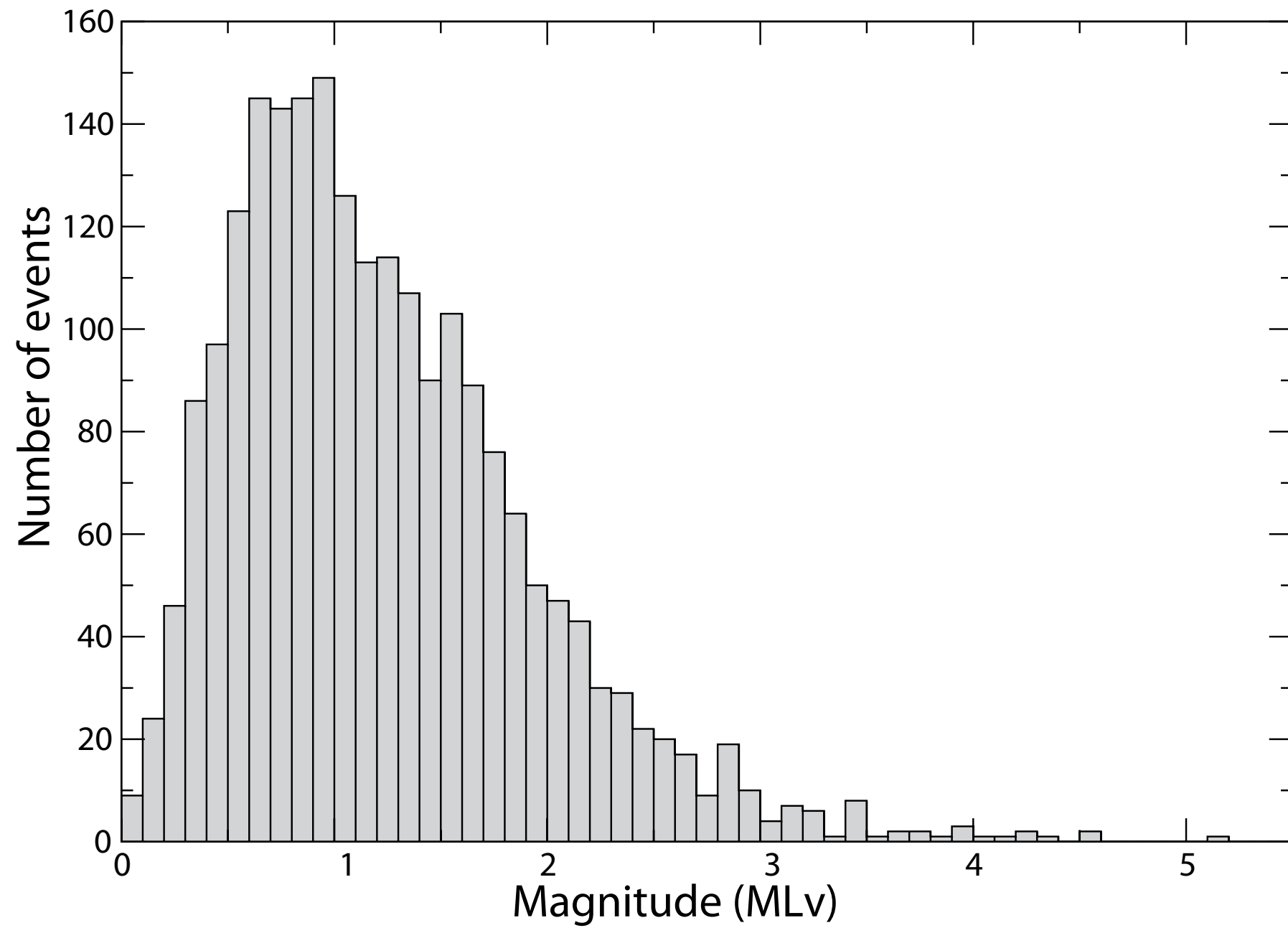


Figure
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(a)



(b)

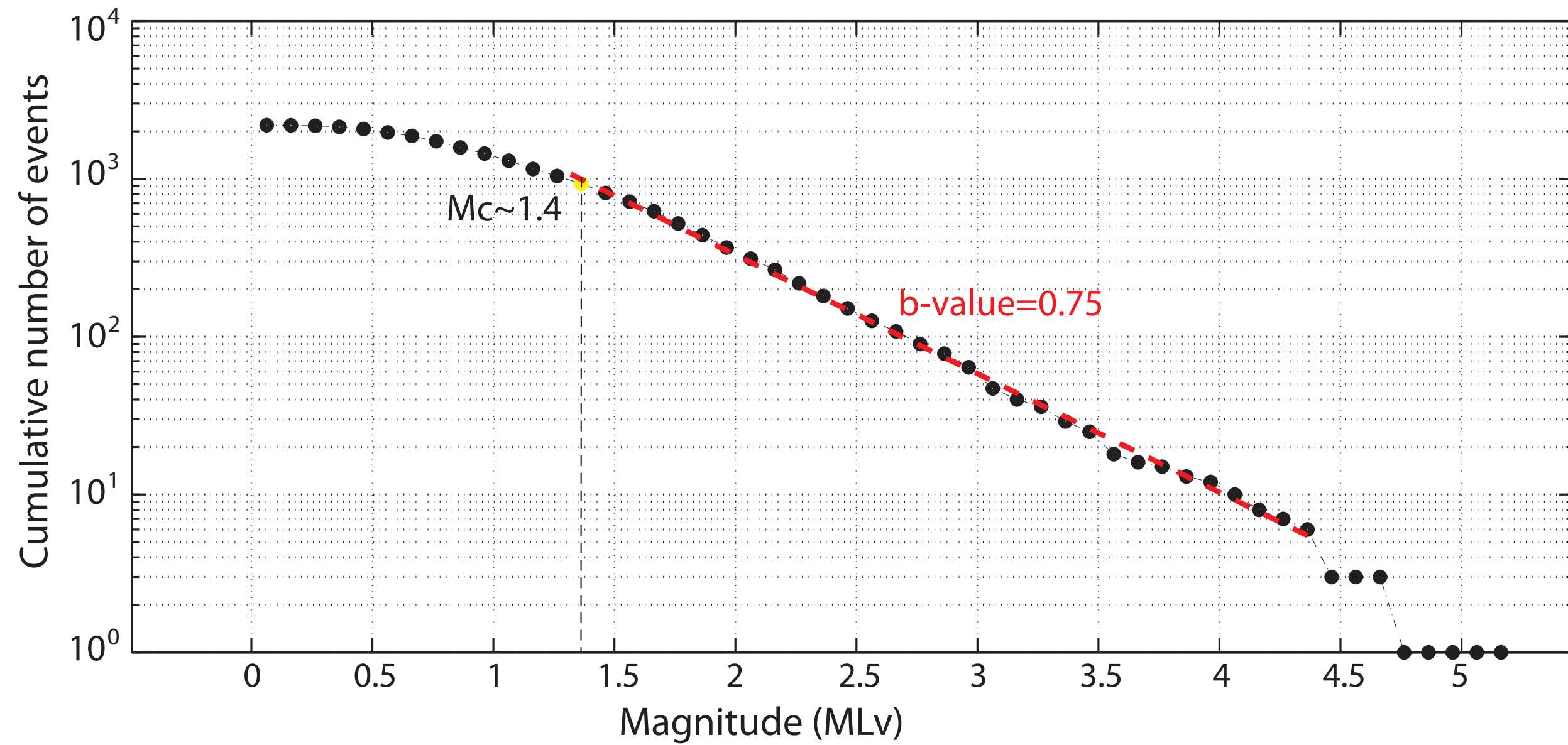
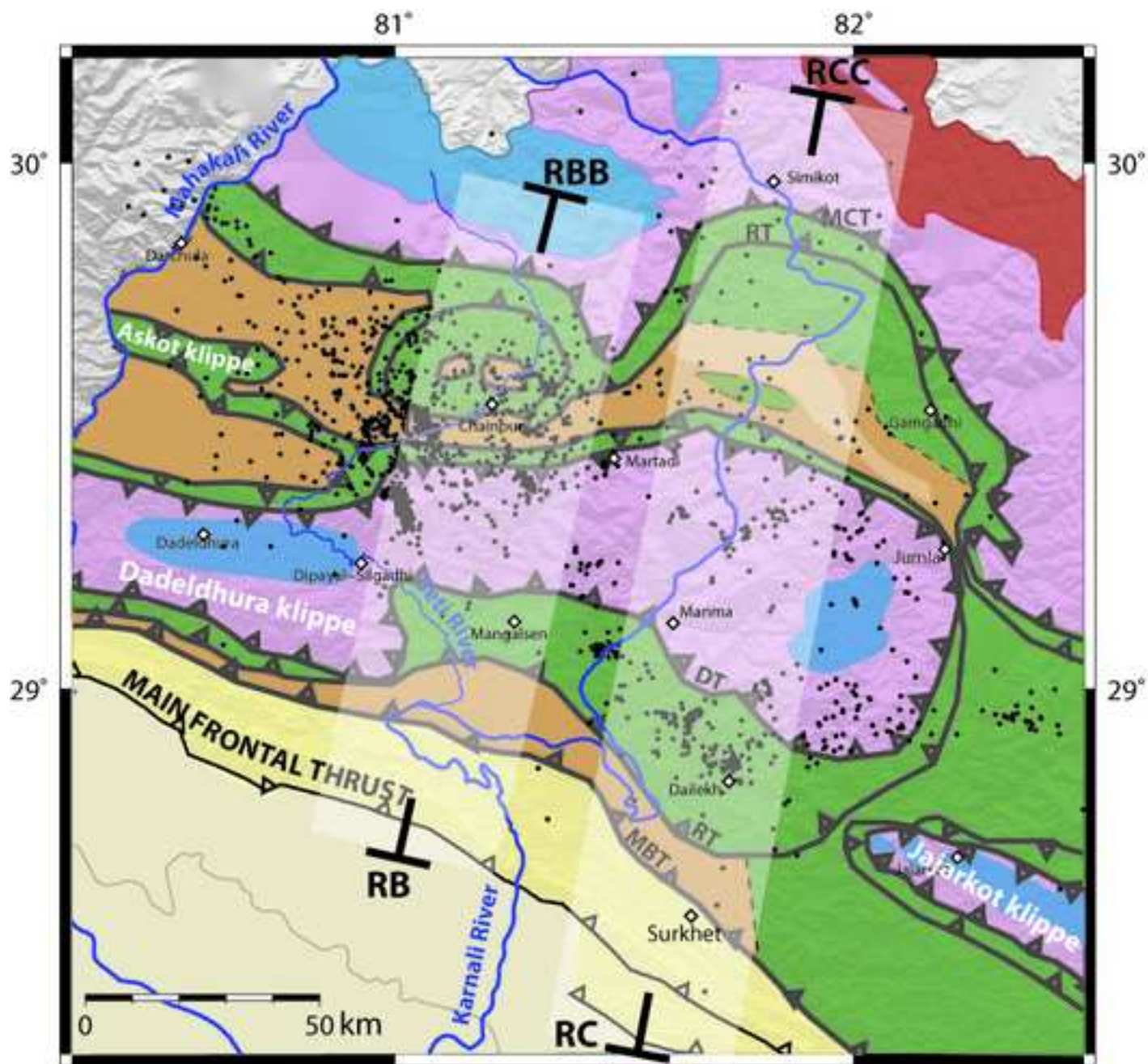


Figure
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Stratigraphy



Tethyan sequence



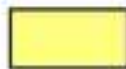
Greater Himalaya zone



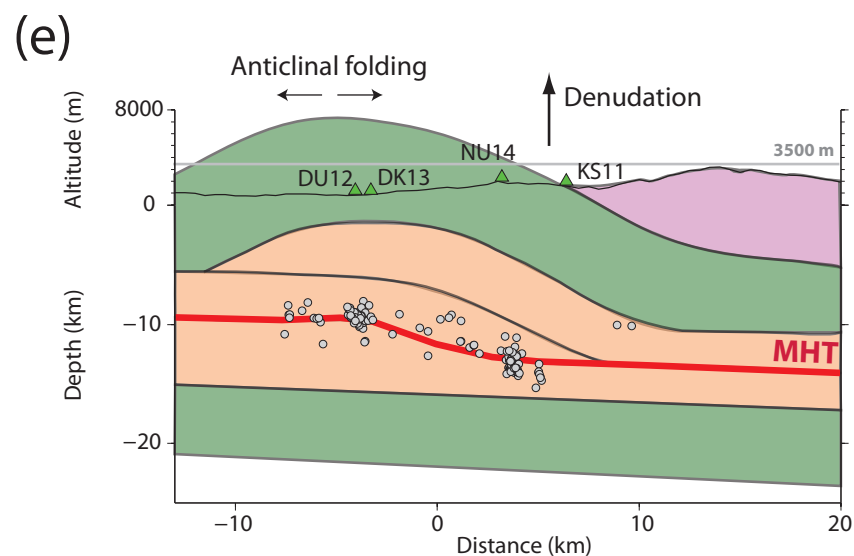
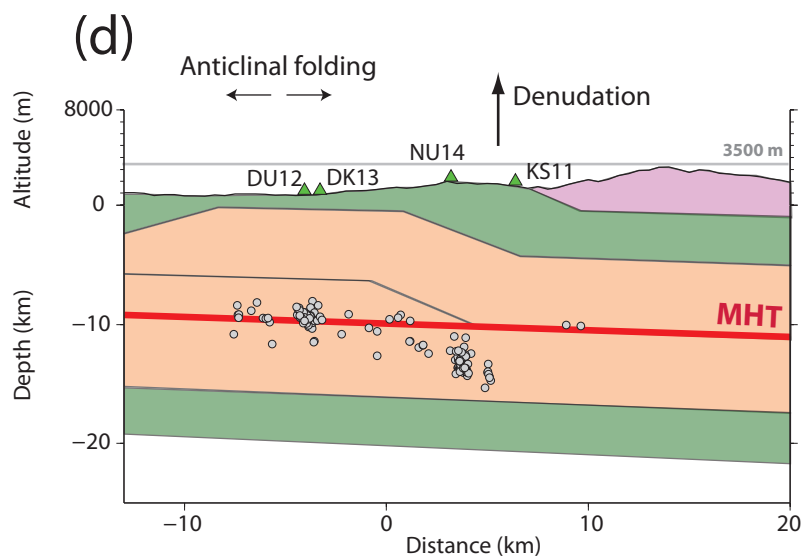
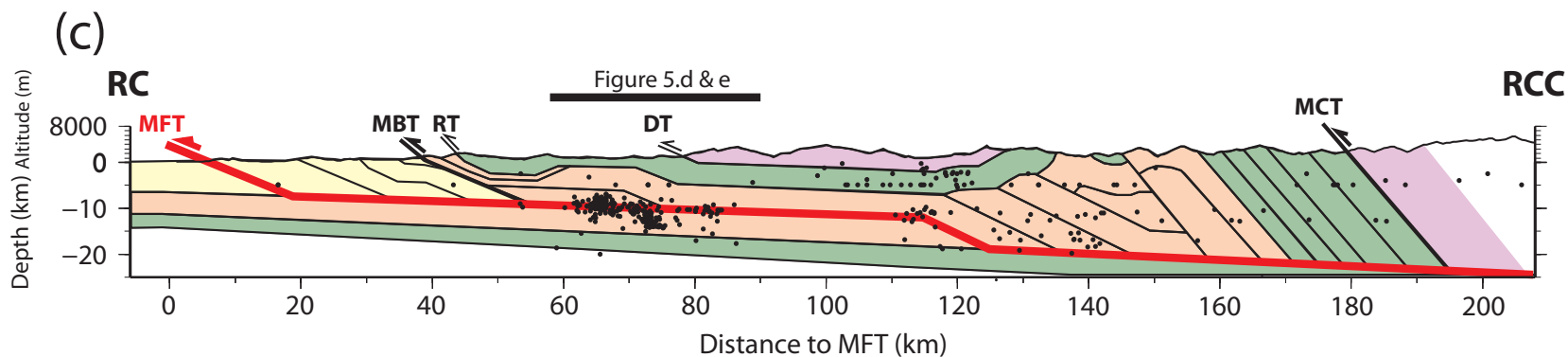
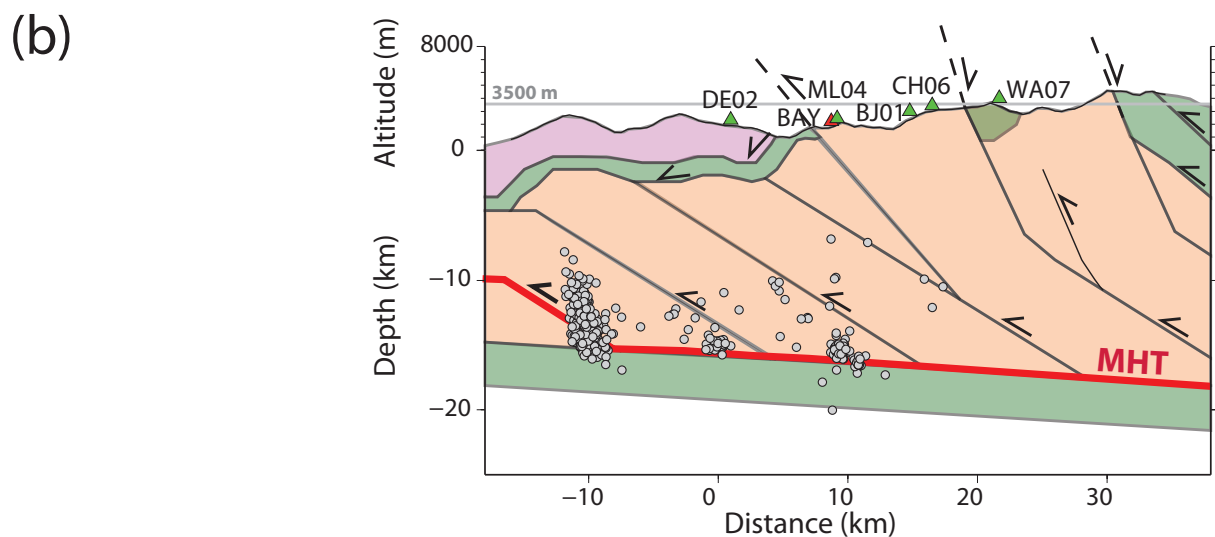
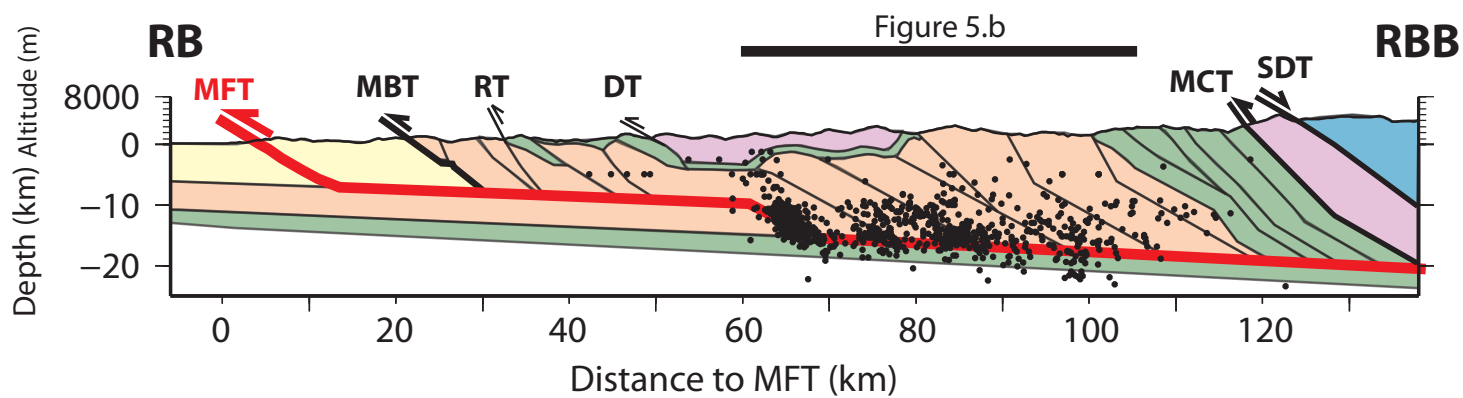
Lower Lesser Himalaya zone

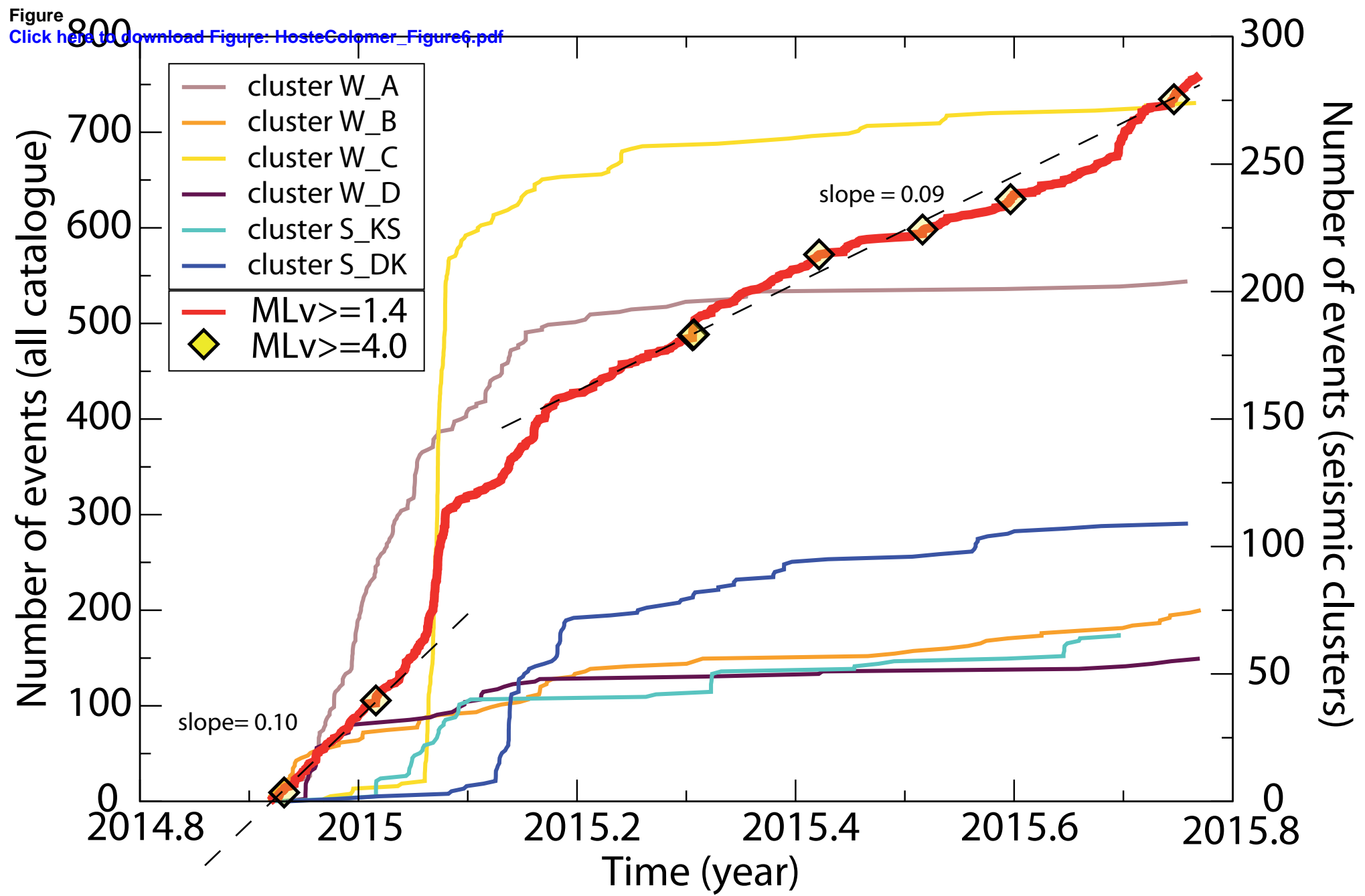


Upper Lesser Himalaya zone



Subhimalayan zone





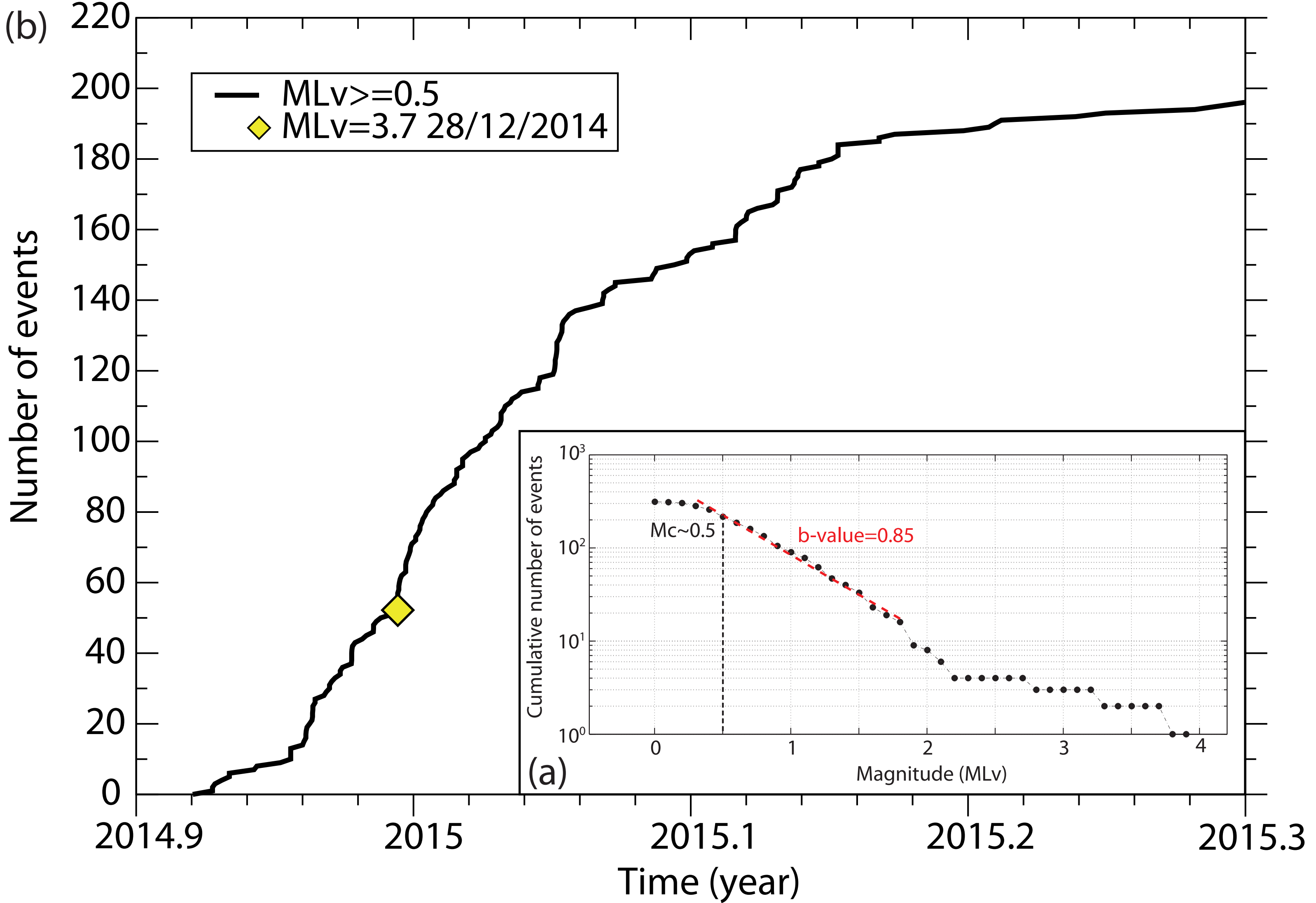
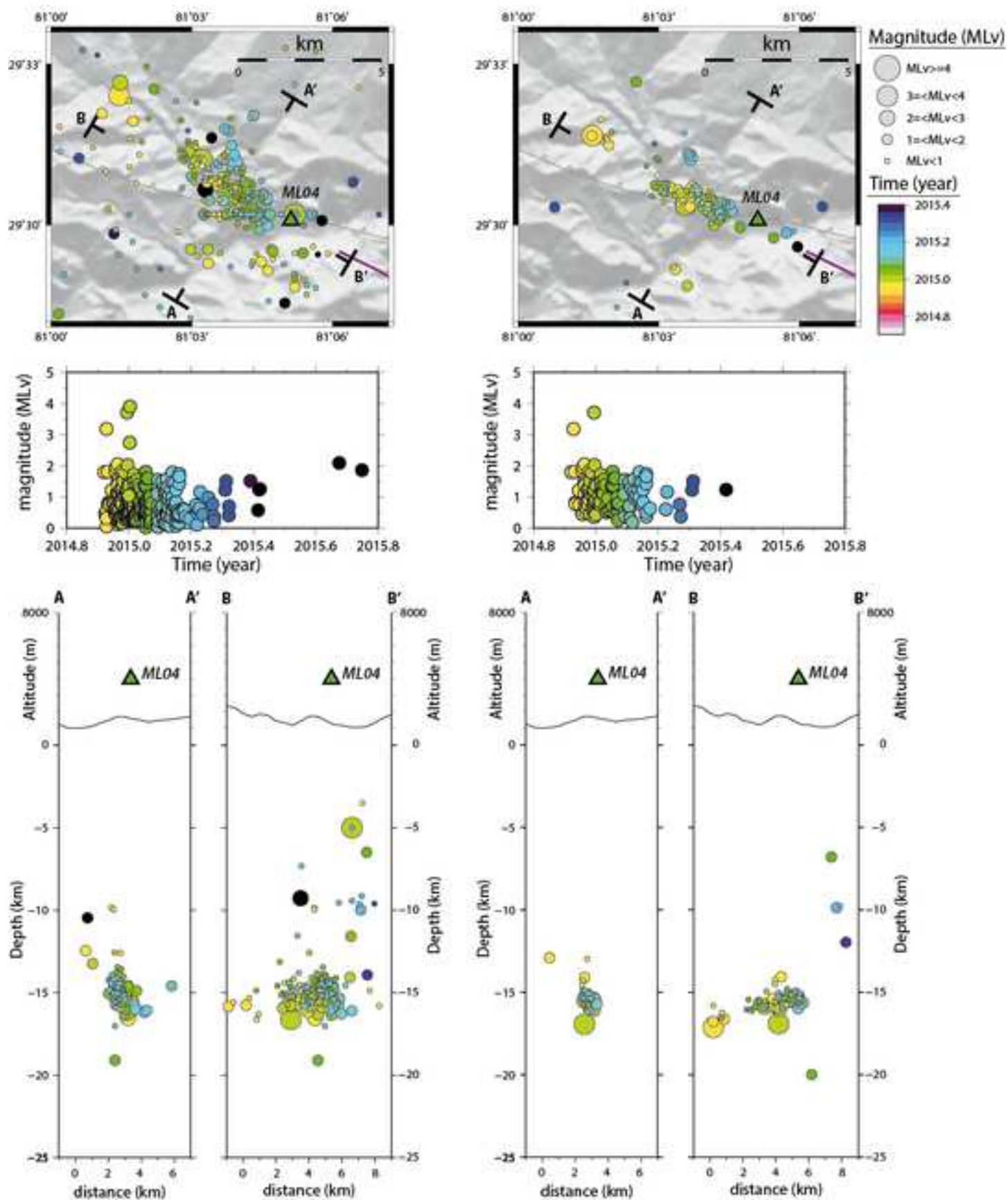


Figure
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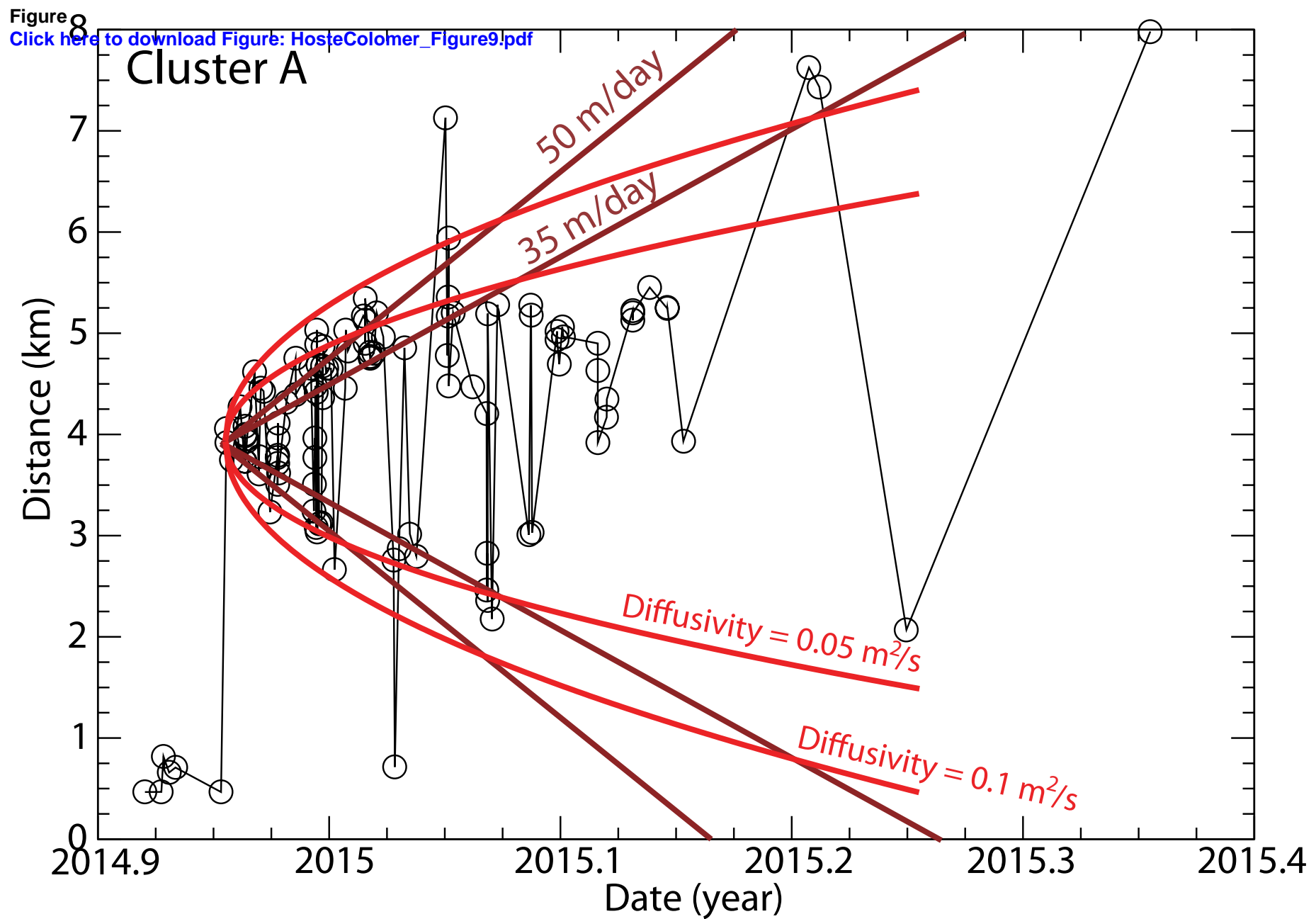


Figure
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