

**Informe final\* del Proyecto JM036**  
**Modelaje de la Distribución geográfica de *Pinus pseudostrobus* y *P. leiophylla***

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**Resumen:**

The objective of the proposal is to model the geographic distribution of *Pinus psedostrobus* and *P. leiophylla*, by predicting the distribution of their suitable habitat from climate variables. Both species are very important on their ecological role as components of the pine-oak and coniferous forest in México. *Pinus psedostrobus* is one of the most economically important species in the Neovolcanic Axis (named also Trans-Mexican Volcanic Belt) for its good wood quality, relatively fast growth rate and straight stem. *P. leiophylla* is usually heavily tapped for resin production and its distribution reaches southern USA, making it a subject for bi-national interest due to its potential to colonize USA grassland-forest transition areas under climatic change scenarios. We will use presence/absence data from (a previously screened for errors) Mexican National Forest Inventory and climatic variables estimated by a spline climate model. Presence or absence in the contemporary climate will be predicted from climate variables obtained for each observation from spline climate surfaces available for Mexico and the rest of North America. A climate profile for each species will be constructed by selecting 5 to 8 of the most relevant climatic variables from 36 climatic variables using the Random Forests algorithm in R. Relevant climate variables are selected according to importance values calculated by the statistical software and according to the errors of prediction of the classification tree. The best fitting models will be used to predict the suitability of the climate for the species on maps gridded at 1 km<sup>2</sup>, and distribution maps will be constructed with ArcMap. As an extra product, we will predict the distribution of their suitable habitat for the years 2030, 2060 and 2090, using combinations of three General Circulation Models and two emission scenarios (low and elevated emissions). We considered that management plans for both biological conservation and commercial use must consider actions to accommodate the climatic change, such as assisted migration or assisted colonization.

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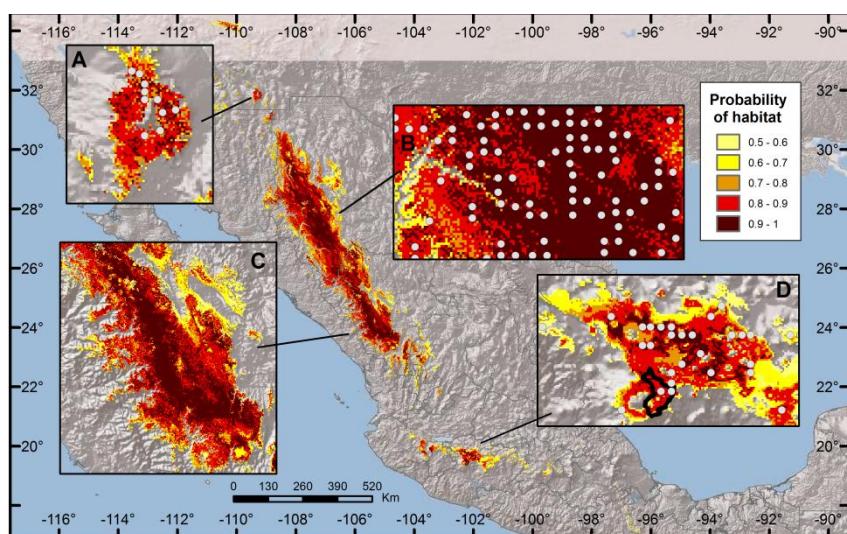
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*Informe final del proyecto JM036/ Final report of the project JM036*

**Modeling of geographic distribution of *Pinus pseudostrobus* and *P. leiophylla***

**Modelaje de la distribución geográfica de *Pinus pseudostrobus* y *P. leiophylla***



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**Morelia, Michoacán, 31 octubre 2013**

Illustration: Suitable climatic habitat for *Pinus leiophylla*.

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## Abstract

The objective of the project was to model the geographic distribution of *Pinus pseudostrobus* and *P. leiophylla*, by predicting the distribution of their suitable habitat from climate variables. Both species are very important on their ecological role as components of the pine-oak and coniferous forest in Mexico. *Pinus pseudostrobus* is one of the most economically important species in the Neovolcanic Axis (named also Trans-Mexican Volcanic Belt) for its good wood quality, relatively fast growth rate and straight stem. *P. leiophylla* has an extensive distribution along the interior slopes of Sierra Madre Occidental, and is usually heavily tapped for resin production. We used presence/absence data from (a previously screened for errors) Mexican National Forest Inventory and climatic variables for contemporary climate (average 1961-1990), that were estimated by a spline climate model. A climate profile for each species was constructed by selecting the most six relevant climatic variables for *P. leiophylla* and seven for *P. pseudostrobus*, from 36 climatic variables using the Random Forests algorithm in R. The bioclimatic models had an average error of prediction of 4.6 % for *P. leiophylla*, and 5.7 % for *P. pseudostrobus*. The selected models were used to predict the suitability of the climate for the species on maps gridded at 1 km<sup>2</sup>, and distribution maps were constructed with ArcMap. The predicted area represented well the actual distribution of both species, were nearly all the presence sites were superimposed by the predicted area when probability of the suitable climatic habitat was > 0.5.

## Introduction

Biogeographers view climate as the primary factor controlling the distribution of plants (Tukanen 1980; Brown and Gibson 1983; Woodward 1987). Then, modeling the relationship between presence and absence of a species from climatic variables at the sites of occurrence or absence makes it possible to predict the geographic distribution of climatically suitable habitats for a species, that is, the realized climatic niche. On this project we predicted the occurrence of climatically suitable habitats for two conifers with a model built on the framework of Iverson et al (2008) that closely parallels those of Rehfeldt et al. (2006).

The approach uses the Random Forests classification tree (Breiman, 2001), available in R (R Development Core Team 2004; Liaw and Wiener 2002), to predict the presence–absence of a species from climate variables. The procedure has been employed to model contemporary and future distributions of the climatic niche for Mexican endemic rare species, *Pinus chiapensis* (Sáenz-Romero et al 2010); *Picea chihuahuensis*, *P. mexicana* and *P. martinezii* (Ledig et al 2010); the high altitude *Abies religiosa* (Sáenz-Romero et al 2012) and *Pinus leiophylla* on their portion of USA distribution (Rehfeldt et al 2006). Compared to other techniques for modeling presence-absence, the Random Forests classification tree is superior when the database contains a broad representation of observations for both presence and absence. We have made our predictions with a very low “out-of-bag” errors: 4.7 % for *P. chiapensis* (Sáenz-Romero et al 2010), 4.5 % for the three *Picea* (Ledig et al 2010), and 1.85 % for *A. religiosa* (Sáenz-Romero et al 2012).

The quality of the prediction is also related to the reliability of the input data. We have solved the need of precise information of climate variables by constructing a spline climatic model for México (Sáenz-Romero et al 2010) and for all North America (Rehfeldt 2006; Rehfeldt et al 2012). Climate estimates from the climate model can be obtained from a web site (Crookston and Rehfeldt 2011). We used distribution data from the Mexican National Forest Inventory. However, an important asset is the knowledge of the species ecological relationships that were acquired by the last author during botanical collections for many years and by the senior author during years of collaboration with the Native Indian Community of Nuevo San Juan Parangaricutiro, Michoacán, where both species

occur. In addition, several seed collections and field testing has been conducted for *P. pseudostrobus* (Viveros-Viveros et al 2005, 2006, 2007; Sáenz-Romero et al 2011) and for *P. leiophylla* (Castellanos-Acuña et al 2012).

*Pinus pseudostrobus* and *P. leiophylla* both have important ecological roles as primary components of the pine-oak and coniferous forests of several mountain ranges in México, playing the role of key-stone species when dominant or codominant, providing structure, shade and support to many other species, and organic material to form soils (Perry, 1991; Farjon and Styles 1997; López-Upton, 2002; Musálem y Martínez-García, 2003).

*Pinus pseudostrobus* distributes in the Neovolcanic Axis (named also Trans-Mexican Volcanic Belt), Sierra Madre Oriental, Sierra Norte de Oaxaca, Altos of Chiapas and of Guatemala (Madrigal-Sánchez 1982; Perry, 1991; Farjon and Styles 1997; López-Upton, 2002). *Pinus leiophylla* distributes in the Neovolcanic Axis, Sierra Madre Occidental (up to southern Arizona and Nuevo México, USA), Sierra Norte de Oaxaca and Altos of Chiapas (Perry, 1991; Farjon and Styles 1997; Musálem y Martínez-García, 2003; Rehfeldt et al 2006).

Additionally to their ecological importance, *Pinus pseudostrobus* is one of the most economically important species in the Neovolcanic Axis for its relatively fast growth rate, natural self-pruning and straight stem, making it one of the most important species for timber production and a promising species for intensive commercial plantations (López-Upton, 2002). *P. leiophylla* is usually heavily tapped for resin production in México, particularly in Michoacán state (Musálem y Martínez-García, 2003) and its distribution reaches southern USA (Rehfeldt et al 2006).

## Objective

To model the geographic distribution of the suitable climatic habitat for *Pinus pseudostrobus* and *P. leiophylla*, primarily for México.

## Methodology

### *Pinus leiophylla*

#### *Considerations about presence data input*

We constructed our database of presence observations mainly from field presence observations of *P. leiophylla* (both 766 observations of *P. leiophylla* var. *leiophylla* and 752 observations of putative *P. leiophylla* var. *chihuahuana*), from a subset of 6674 observations with presence of conifers from the Mexican National Forest and Soil Inventory (MexFI), elaborated by the Mexican National Forest Commission (Comisión Nacional Forestal, CONAFOR). Observations were provided from the latest data base version on January 2010, that encompassed field observations from 2004 to 2009 (Vargas-Llamas and Palafox-Rivas, pers. com.<sup>1</sup>, 2012). Mexican Inventory customarily establishes plots with four subplots which were combined for our analysis.

We considered *P. leiophylla* Schiede ex Schlechtendal & Chamisso as a single species, lumping together putative varieties *P. leiophylla* var. *leiophylla* Schiede ex Schlechtendal & Chamisso and *P. leiophylla* var. *chihuahuana* Schiede ex Schlechtendal & Chamisso (Engelmann) (Farjon and Styles 1997). Those varieties are considered by others as different species: *P. leiophylla* Schlechtendal & Chamisso and *P. chihuahuana* Engelm. (Martinez 1948; Perry 1991). We decided the lumping after the following considerations:

a) There are not taxonomic consensus about the existence of clearly separate *P. leiophylla* in two varieties, nor their separation in two species (*P. leiophylla* and *P. chihuahuana*). It has been suggested that in Durango, putative *P. leiophylla* var. *leiophylla* has frequently five slender, pendulous needles per fascicle and distribute at higher altitudes and in more moist sites, meanwhile putative *P. leiophylla* var. *chihuahuana* have only three thick spreading needles per fascicle, distributing at lower elevation dryer sites, sympatric to high elevation limits of *P. cembroides* (Farjon and Styles 1997; Flores-López, pers. com. 2012). However, in the southern rank of its distribution both putative varieties merges, to such extent that it becomes very difficult to distinguish them as varieties (Farjon and Styles

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<sup>1</sup> Miriam Vargas-Llamas and Rigoberto Palafox-Rivas, pers. com. 21 January 2010, Database Department, National Forest and Soil Inventory, CONAFOR-Guadalajara, México.

1997), even for Martinez (1948) who suggested their separation as species. To add even more taxonomical confusion, populations with the most northern distribution that reaches southern New Mexico and Arizona, although considered *P. chihuahuana* by Perry (1991), it is considered as simply *P. leiophylla* by the USA Inventory data (see Figure 15 on Rehfeldt et al 2006). Finally, analysis of botanical collections and unpublished DNA tests strongly suggests that so far there is not enough evidence to have a definitive classification (Pérez-de-la-Rosa, pers. com.<sup>2</sup>, 2012).

b) The taxonomic confusion is expressed also on the Mexican Forest Inventory data. Although presence observations of *P. leiophylla* var. *leiophylla* and *P. leiophylla* var. *chihuahuana* appears as two different species in the Mexican Forest Inventory data: *P. leiophylla* and *P. chihuahuana*, it turned out that it is because the MexFI does not have a field that allows an entry as variety; thus, CONAFOR itself actually consider those two taxon as *P. leiophylla* varieties and not as different species, based on the classification of Kral (1993), which was validated by the Mexican Commission for the Use and Study of the Biodiversity (CONABIO)<sup>3</sup>. Also, we plotted altitude presence data of *P. leiophylla* var. *leiophylla* and putative *P. leiophylla* var. *chihuahuana* as recorded as two separate varieties from the Mexican Inventory, against latitude and longitude (Figure 1). The result clearly indicate that observations of both typical and putative variety overlap in altitude and in a large extent in latitude and longitude (overlapping between 1500 m to 2900 m, 22°LN to 31°LN, and 103.5°LW to 109°LW; Figure 1), being putative *P. leiophylla* var. *chihuahuana* with the most northern distribution. Also, there are observations in the MexFI of 71 sites where there is recorded both putative varieties. Overlapping of altitudinal intervals of natural distribution for the two putative varieties or species was also confirmed by botanical observations and field personal observations. The data overlapping in altitude

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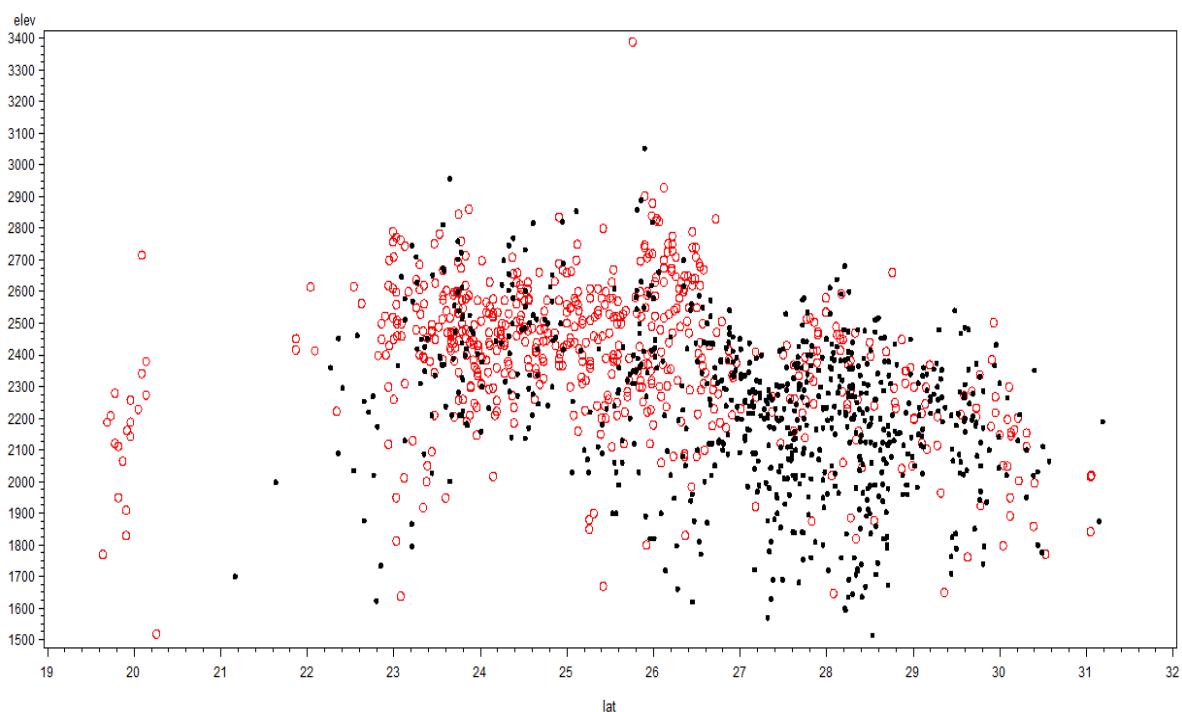
<sup>2</sup> Jorge Alberto Pérez de la Rosa, Jorge Alberto Pérez de la Rosa. Responsible of conifer collection of the herbarium, Instituto de Botánica, Centro Universitario de Ciencias Biológicas y Agropecuarias (CUCBA), Universidad de Guadalajara. Km 15.5 carretera a Nogales, Predio Las Aguas, Zapopan, Jalisco. 10 October 2012.

<sup>3</sup> Rebeca Aldana Barajas, Forest Analysis and Information Unit, CONAFOR-Guadalajara, México. 16 October 2012.

is despite the extended view that *P. leiophylla* var. *chihuahuana* occurs at lower altitude and at dryer sites than *P. leiophylla* var. *leiophylla*, at least in the interior slopes of the Sierra Madre Occidental (Flores-López, 2012, pers. com.<sup>4</sup>)

(c) If it were an error to lump together those two putative varieties or species, the error likely will be minor, since they are undoubtedly phylogenetically closely related (Rodríguez-Banderas et al 2009), sharing unique traits that none other species share, like deciduous fascicle sheaths and (quite unique) three year cone development (Farjon and Styles 1997).

(A)




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<sup>4</sup> Flores-López, Celestino. Departamento Forestal, Universidad Autónoma Agraria Antonio Narro, Buenavista, Saltillo, Coahuila, México. 10 October 2012.

(B)

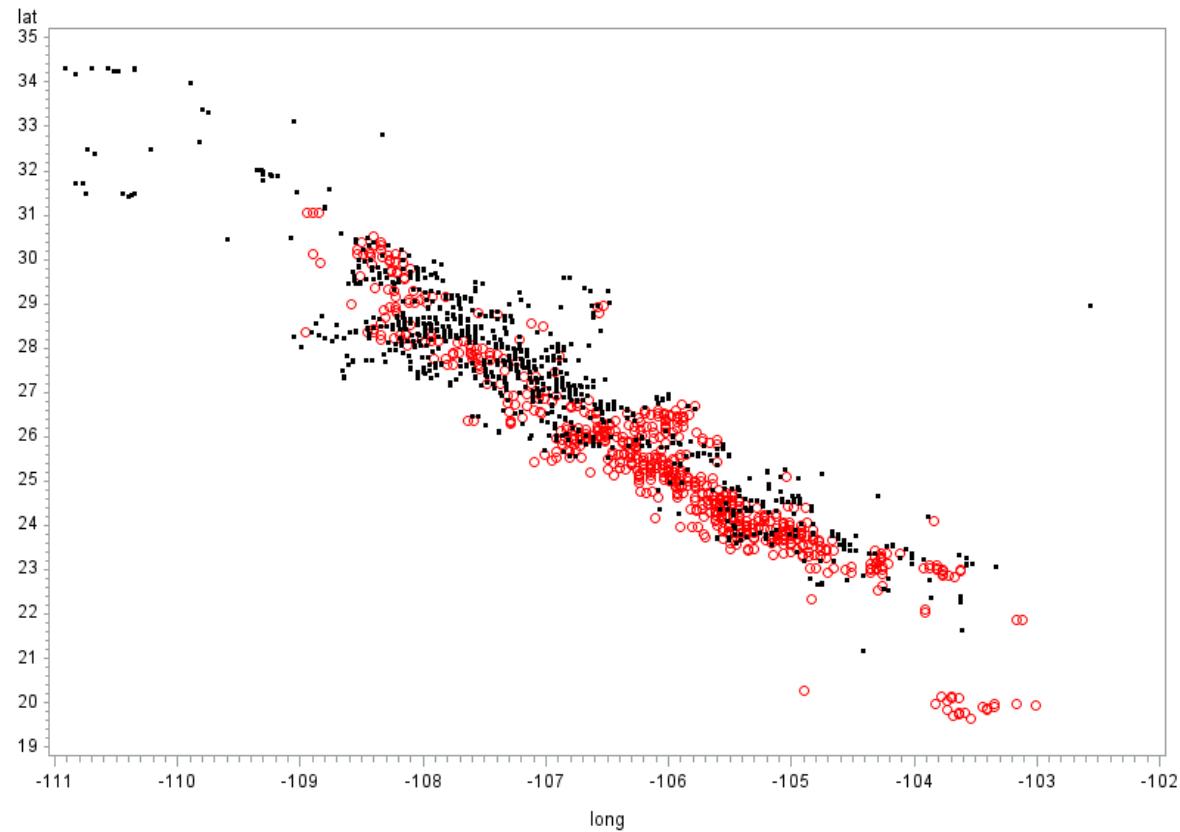


Figure 1. Elevation (m) of presence observations of *P. leiophylla* var. *leiophylla* (red circles) and putative *P. leiophylla* var. *chihuahuana* (black dots), plotted against Latitude North (A) and latitude plotted against Longitude West (B). Data from the Mexican National Forest and Soil Inventory (updated 2010).

A possible explanation of the overlapping in altitude on the MexFI is that if for taxonomists it is difficult to decide whether those two putative varieties should be kept as such, or as different species, or as the same species, then for CONAFOR field personnel it is even more difficult to distinguish them. So, likely in practice in the field, individuals of both putative varieties are recorded in either way.

### ***Consideration about altitude***

After examining the Mexican inventory data, plotting altitude against latitude and longitude (Figure 1), reviewing bibliography available (Martinez 1948; Perry 1991; Farjon and Styles 1997), and discussing the natural elevation observed by botanists and forest taxonomists and geneticist with extensive field and/or botanical collections experience on this specie (personal observations and personal communication with: de-la-Rosa, 2012; Flores-López, 2012; Wehenkel<sup>5</sup> 2012 and Socoro Gonzalez<sup>6</sup>, 2012), we decided to remove presence plots from the Mexican Inventory data with elevations recorded above 3000 m and below 1500 masl, since likely they are errors either of identification or of entering data. Those likely mistaken observations represented the 2.7 % of the presence data set.

### ***Revised data base of presence***

In summary, we lumped together observations of putative varieties of *P. leiophylla* var. *leiophylla* and putative *P. leiophylla* var. *chihuahuana*, and removing likely mistaken observations at altitudes below 1500 m and above 3000 m from the MexFI.

Then, we added 35 observations of *P. leiophylla* from their extreme Northern distribution, at Arizona and Nuevo México. Those populations were collected by Gerald E. Rehfeldt and were used in a climatic modeling of *P. leiophylla* (Rehfeldt et al 2006).

Finally, we added 38 sites from the USA Forest Inventory, from also Arizona and New México, but different than the locations sampled by Rehfeldt et al (2006).

Thus, we ended up with a revised presence data base for *P. leiophylla* of 1475 observations (see attached file Pleio\_DataPresence.xlsx and Appendix 1, 2 and 4 for climate values estimated for presence observations).

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<sup>5</sup> Christian Wehenkel. Instituto de Silvicultura e Industria de la Madera, Universidad Juárez del Estado de Durango, Boulevard del Guadiana #501, Ciudad Universitaria, Torre de Investigación, C.P., Durango, Durango. 34120, México, México. 19 noviembre 2012.

<sup>6</sup> Socoro Gonzales Elizondo, CIIDIR-Durango, Instituto Politécnico Nacional, Durango, Dgo., México. 19 noviembre 2012.

### ***Sampling of sites with absence***

We sampled sites with absence of *P. leiophylla* from a subset of the MexFI data with ca. 14,000 plots with species other than conifers. To assure that our sample of absence observations was representative of the vegetation of Mexico, we also used a systematic sampling of point locations within the digitized map of the Biotic Communities of North America (Brown et al., 1998; Rehfeldt et al 2012). Technical procedures, described in detail in Rehfeldt et al. (2006) and used also by Ledig et al. (2010) involved the use of ARCMAP software to procure a systematic sample of point locations from each polygon on the map and assign an elevation to each point from the digitized elevation model of GLOBE Task Team (1999). Data points from all communities within which *P. leiophylla* can occur (Madrean Montane Conifer Forest, Transvolcanic -Guatemalan Conifer Forests, and Madrean-Transvolcanic Pine-Oak Woodland ) were discarded in this step, and some biomes where there are no conifer tree species were explicitly included (Tamaulipan Thornscrub, Gulf Coastal Grassland, Savanna Grasslands, Western Alpine Tundra, California Valley Grassland, California Coastalscrub, Mohave Desertscreub, Pacific Coast Thornscrub, Sonoran Desertscreub, Great Basin Desertscreub, Chihuahuan Desertscreub, Semidesert Grassland and Great Basin Shrub-Grassland).

To assure that the highest and coldest sites in Mexico were represented among the data points that lack *P. leiophylla*, the digitized elevations of GLOBE (1999) were used to obtain a geographic sample of points on the flanks of Mexico's seven tallest volcanic peaks. This procedure produced a data set of 30 observations that, for instance, contained as many as seven data points for Iztaccíhuatl (ca. 19.18°N latitude, 98.64°W longitude) that ranged in elevation from 4291 m to 5142 m.

The procedure provided ca. 145,000 data points, all of which were assumed to lack *P. leiophylla*. The climate of each was estimated from the spline climate surfaces of Saenz-Romero et al. (2010), available at URL <http://forest.moscowfsl.wsu.edu/climate/> . These climate surfaces predict monthly values of temperature and precipitation from which 18 variables of demonstrated importance in plant geography are derived. Additional variables involving the interaction of the 18 derived variables are used herein to produce 34 variables

available for developing bioclimate models. Of the possible interactions, we concentrated on those involving temperature and precipitation.

### ***Bioclimatic model***

Our statistical model for predicting the occurrence of climatically suitable habitats of *P. leiophylla* are built on the framework of Iverson and Prasad (1998), Iverson et al (2008) and closely parallel to those of Rehfeldt et al. (2006). The approach uses the Random Forests classification tree (Breiman, 2001), available in R (R Development Core Team, 2004; Liaw and Wiener, 2002), to predict the presence–absence of *P. leiophylla* from climate variables.

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For classification trees, Breiman (2001) recommends that the number of observations within classes should be reasonably balanced. We use the sampling protocol of Rehfeldt et al. (2009) to draw from our database 10 datasets. In each dataset, 40% of the observations were those for which *P. leiophylla* was present, weighted by a factor of two (i.e., 2950 observations for each dataset). An additional 40% were drawn from the pool of observations lacking *P. leiophylla* that comprised an 18-variable hypervolume surrounding the climatic limits of *P. leiophylla*. Dimensions of the hypervolume were set at  $\pm 1.25$  standard deviations for each variable; the pool consisted of ca. 29,500 observations. The remaining 20% of were selected from a pool of data points lacking *P. leiophylla* and lying outside the hypervolume (pool of approximately 14750 observations). Observations were selected such that a broad range of climate variation was represented: a random sample of ca. 74 observations (1 % of the total) was drawn from each of 10 uniform classes subtending each of the first and second principal components calculated from the 18-variable network for all observations in our database, using the software SAS (SAS 2004). That means: 74 observations x 20 classes = 1480 observations, or about 20% of the total in any one of the 10 data sets.

This sampling procedure thus used all observations with of *P. leiophylla*, concentrated the remainder of the sample in those climates for which separating presence from absence would be the most difficult, but still represented the full range of variation

among the plots. Weighting permitted a higher proportion of the total observations to be used in each forest.

Our analysis was initiated with 10 forests of 100 trees using 34 climate variables to predict the presence of *P. leiophylla*. Each forest used one of our datasets. Variables were eliminated according to a stepwise procedure that culled the least important variable at each step, using the mean decrease in accuracy to judge variable importance (see Breiman and Cutler, 2004). The mean value of this statistic was calculated across the 10 forests at each iteration to determine which variable should be eliminated.

The best model was chosen according to the out-of-bag errors which take into account errors of omission and errors of commission (see Breiman, 2001). When out-of-bag errors began increasing consistently, we assumed that the corresponding model was of reasonable parsimony (see Rehfeldt et al., 2009). This model was used to derive the bioclimate climate model from 10 forests and 100 trees.

#### ***Mapping realized contemporary climate niche***

Pixels of  $\sim 1 \text{ km}^2$  (0.0083 decimal degrees) resolution comprises the terrestrial portion of our geographic window defined as:  $33^\circ \text{ LN}, 13^\circ 54' \text{ LN}; 117^\circ \text{ LW}, 86^\circ \text{ LW}$ . By using the digitized elevations of GLOBE Task Team (1999), we estimated the climate of each pixel from the spline surfaces of Sáenz-Romero et al. (2010). The climate of each pixel was then run through the bioclimate model using a R program (modules randomForest and yaImpute), with each tree of each forest providing a vote as to whether a pixel fell within the realized climate niche of *P. leiophylla*; a pixel was assumed to have a suitable climate when receiving a majority ( $> 0.5$ ) of favorable votes.

## ***Pinus pseudostrobus***

#### ***Considerations about presence data input***

We constructed our database of presence observations mainly from field presence observations of *P. pseudostrobus* Lindley, using initially 509 observations from a subset of 6674 observations with presence of conifers from the Mexican National Forest and Soil

Inventory (MexFI), elaborated by the Mexican National Forest Commission (Comisión Nacional Forestal, CONAFOR). Observations were provided from the latest data base version on January 2010, that encompassed field observations from 2004 to 2009 (Vargas-Llamas and Palafox-Rivas, pers. com.<sup>7</sup>, 2012). Mexican Inventory customarily establishes plots with four subplots which were combined for our analysis. We considered *P. pseudostrobus* Lindley as a single species, coded as “*Pinus pseudostrobus*” in the MexFI.

### ***Consideration about latitude and altitude***

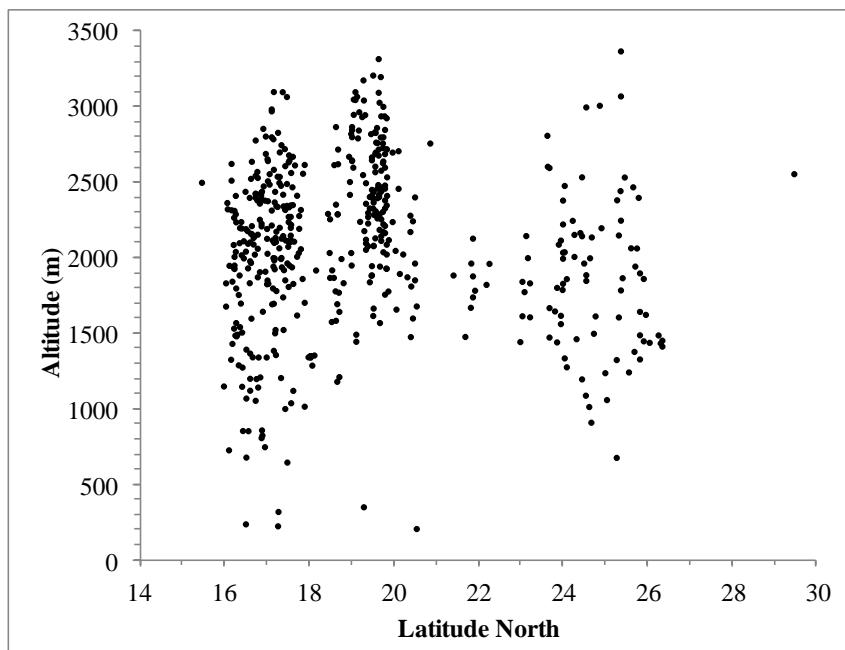
After examining the Mexican inventory data, plotting altitude against latitude and longitude (Figure 3), reviewing bibliography available (Martinez 1948; Perry 1991; Farjon and Styles 1997), and discussing the natural elevation observed by botanists and forest taxonomists and geneticist with extensive field and/or botanical collections experience on this specie (personal observations), we decided to remove presence plots from the Mexican Inventory data if they were recorded with: (a) elevations below 1600 m if longitude West was lower than 107 °LW, (b) below 1500 m if longitude West was larger or equal than 107 °LN, and (c) latitude North larger than 26 °LN (Northern of Chihuahua state). Those decisions were taken since likely they are errors either of identification or of entering data. Those likely mistaken observations represented the 15.7 % of the initial presence data set.

Thus, the final presence observations accounted for 429 sites (see attached file Ppseu\_DataPresence.xlsx and Appendix 1, 3 and 5 for climate values estimated for presence observations).

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<sup>7</sup> Miriam Vargas-Llamas and Rigoberto Palafox-Rivas, pers. com. 21 January 2010, Database Department, National Forest and Soil Inventory, CONAFOR-Guadalajara, México.

(A)



(B)

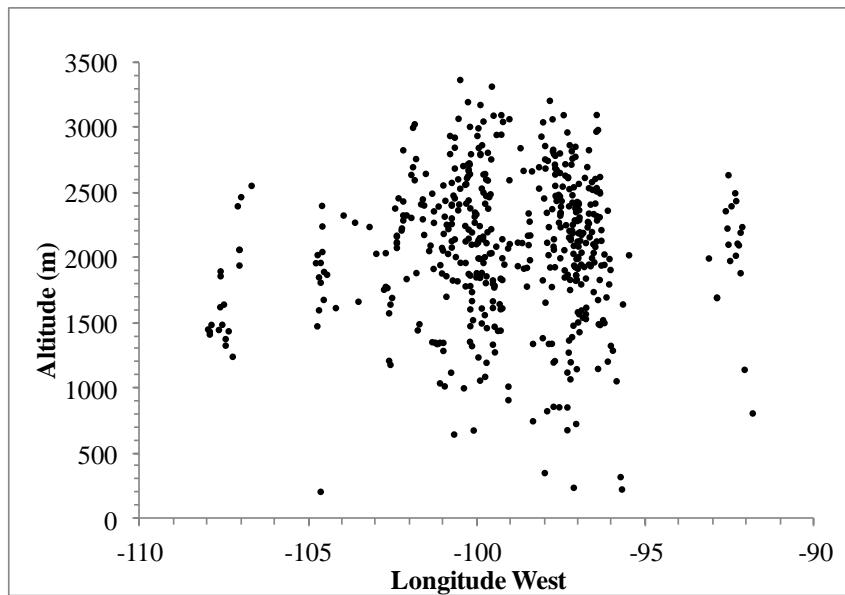


Figure 3. Elevation (m) of presence observations of *P. pseudostrobus*, plotted against Latitude North (A) and Longitude West (B). Data from the Mexican National Forest and Soil Inventory (updated 2010).

### ***Sampling of sites with absence***

We sampled sites with absence of *P. pseudostrobus* from a subset of the MexFI data with ca. 14,000 plots with species other than conifers. To assure that our sample of absence observations was representative of the vegetation of Mexico, we also used a systematic sampling of point locations within the digitized map of the Biotic Communities of North America (Brown et al., 1998; Rehfeldt et al 2012). Technical procedures, described in detail in Rehfeldt et al. (2006) and used also by Ledig et al. (2010) involved the use of ARCMAP software to procure a systematic sample of point locations from each polygon on the map and assign an elevation to each point from the digitized elevation model of GLOBE Task Team (1999). Data points from all communities within which *P. pseudostrobus* can occur (Madrean Montane Conifer Forest, Transvolcanic -Guatemalan Conifer Forests, and Madrean-Transvolcanic Pine-Oak Woodland ) were discarded in this step, and some biomes where there are no conifer tree species were explicitly included (Tamaulipan Thornscrub, Gulf Coastal Grassland, Savanna Grasslands, Western Alpine Tundra, California Valley Grassland, California Coastalscrub, Mohave Desertscreub, Pacific Coast Thornscrub, Sonoran Desertscreub, Great Basin Desertscreub, Chihuahuan Desertscreub, Semidesert Grassland and Great Basin Shrub-Grassland).

To assure that the highest and coldest sites in Mexico were represented among the data points that lack *P. pseudostrobus*, the digitized elevations of GLOBE (1999) were used to obtain a geographic sample of points on the flanks of Mexico's seven tallest volcanic peaks. This procedure produced a data set of 30 observations that, for instance, contained as many as seven data points for Iztaccíhuatl (ca. 19.18°N latitude, 98.64°W longitude) that ranged in elevation from 4291 m to 5142 m.

The procedure provided ca. 145,000 data points, all of which were assumed to lack *P. pseudostrobus*. The climate of each was estimated from the spline climate surfaces of Saenz-Romero et al. (2010), available at URL <http://forest.moscowfsl.wsu.edu/climate/>. These climate surfaces predict monthly values of temperature and precipitation from which 18 variables of demonstrated importance in plant geography are derived. Additional variables involving the interaction of the 18 derived variables are used herein to produce 34

variables available for developing bioclimate models. Of the possible interactions, we concentrated on those involving temperature and precipitation.

### ***Bioclimatic model***

Our statistical model for predicting the occurrence of climatically suitable habitats of *P. pseudostrobus* are built on the framework of Iverson and Prasad (1998), Iverson et al (2008) and closely parallel to those of Rehfeldt et al. (2006). The approach uses the Random Forests classification tree (Breiman, 2001), available in R (R Development Core Team, 2004; Liaw and Wiener, 2002), to predict the presence–absence of *P. pseudostrobus* from climate variables.

For classification trees, Breiman (2001) recommends that the number of observations within classes should be reasonably balanced. We use the sampling protocol of Rehfeldt et al. (2009) to draw from our database 14 datasets. In each dataset, 40% of the observations were those for which *P. pseudostrobus* was present, weighted by a factor of two (i.e., 858 observations for each dataset). An additional 40% were drawn from the pool of observations lacking *P. pseudostrobus* that comprised an 18-variable hypervolume surrounding the climatic limits of *P. pseudostrobus*. Dimensions of the hypervolume were set at  $\pm 1.25$  standard deviations for each variable; the pool consisted of ca. 12,000 observations. The remaining 20% were selected from a pool of data points lacking *P. pseudostrobus* and lying outside the hypervolume (pool of ca. 6000 observations). Observations were selected such that a broad range of climate variation was represented in each dataset: a random sample of ca. 21 observations (1 % of the total) was drawn from each of 10 uniform classes subtending each of the first and second principal components calculated from the 18-variable network for all observations in our database, using the software SAS (SAS 2004). That means: 21 observations x 20 classes = 420 observations, or about 20% of the total in any one of the 14 data sets.

This sampling procedure thus used all observations with of *P. pseudostrobus*, concentrated the remainder of the sample in those climates for which separating presence from absence would be the most difficult, but still represented the full range of variation among the plots. Weighting permitted a higher proportion of the total observations to be used in each forest.

Our analysis was initiated with 14 forests of 100 trees using 34 climate variables to predict the presence of *P. pseudostrobus*. Each forest used one of our datasets. Variables were eliminated according to a stepwise procedure that culled the least important variable at each step, using the mean decrease in accuracy to judge variable importance (see Breiman and Cutler, 2004). The mean value of this statistic was calculated across the 14 forests at each iteration to determine which variable should be eliminated.

The best model was chosen according to the out-of-bag errors which take into account errors of omission and errors of commission (see Breiman, 2001). When out-of-bag errors began increasing consistently, we assumed that the corresponding model was of reasonable parsimony (see Rehfeldt et al., 2009). This model was used to derive the bioclimate climate model from 14 forests and 100 trees.

#### ***Mapping realized contemporary climate niche***

Pixels of  $\sim 1 \text{ km}^2$  (0.0083 decimal degrees) resolution comprises the terrestrial portion of our geographic window defined as:  $33^\circ \text{ LN}$ ,  $13^\circ 54' \text{ LN}$ ;  $117^\circ \text{ LW}$ ,  $86^\circ \text{ LW}$ . By using the digitized elevations of GLOBE Task Team (1999), we estimated the climate of each pixel from the spline surfaces of Sáenz-Romero et al. (2010). The climate of each pixel was then run through the bioclimate model using a R program (modules randomForest and yaImpute), with each tree of each forest providing a vote as to whether a pixel fell within the realized climate niche of *P. pseudostrobus*; a pixel was assumed to have a suitable climate when receiving a majority ( $> 0.5$ ) of favorable votes.

## Results

### *Pinus leiophylla*

#### *Bioclimate model*

The 34-variable model produced a classification error that averaged 4.61 % across the 10 ‘forests’. As variables were eliminated in the stepwise procedure, this error fluctuated between 4.52 % (for 31 variables in the model) and 5.23 % (for 3 variables in the model). Errors for the 2-variable model increased to 6.10 % and to 20.12 % for one-variable model. The lowest error with a small number of variables was for the 6-variable model which, when run anew to produce the bioclimate model, had an error of 4.63 %, with errors caused by predicting *P. leiophylla* to be present when absent averaging 7.20 % while those caused from predicting *P. leiophylla* to be absent when present were nill (0.79 %). The six climatic variables, listed in order of importance, were: SUMP, GSDD5, SPRP, MTCMMAP, WINP, and MAPDD5 (Table 1).

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Table 1. Acronyms, derivation, and ranking of climatic variables of greatest relevance to the climate profile of *Pinus leiophylla*.

Acronym	Definition	Importance ranking
MAT	Mean annual temperature (°C)	-
MAP	Mean annual precipitation (mm)	-
DD5	Degree-days > 5°C	-
ADI	Annual Dryness Index: (DD5 <sup>0.5</sup> )/MAP	-
GSP	April-September precipitation	-
GSDD5	Degree-days > 5°C summed between the last freeze of spring and the first freeze of autumn; that is, between SDAY and FDAY	-
MTCM	Mean temperature of the coldest month	-
SDAY	Julian date of the last freezing date of Spring	-

FDAY	Julian date of the first freezing date of Autumn	-
SUMP	Summer precipitation: Sum of precipitation of July and August	1
GSDD5	Degree-days > 5°C summed between the last freeze of spring and the first freeze of autumn; that is, between SDAY and FDAY	2
SPRP	Spring precipitation: Sum of precipitation of April and May	3
MTCMMAP	MTCM/MAP	4
WINP	Winter precipitation: Sum of precipitation of November, December, January and February	5
MAPDD5	(MAP*DD5)/1000	6

As measured by the overall classification error, the fit of our bioclimate model using 6 predictors is among the intermediate of those for 74 western USA species for which the same methods have been used (Crookston et al., 2010). For the latter group, classification errors ranged from 1.4 % to 11.0 %. For conifers of Mexico, errors were 4.5 % for *Picea* spp. (Ledig et al., 2010) and 4.7 % for *Pinus chiapensis* (Sáenz-Romero et al., 2010).

In bioclimate modeling, the most serious errors are in predicting the absence of a species when it was present, that is, the errors of omission. While many ecologically sound reasons may prevent a species from occurring in climates for which it is well suited, the most likely source of the errors of omission are in the model fitting process (see, for instance, Rehfeldt et al. 2009). In our analyses, like those of many western USA species (see Crookston et al., 2010), errors of omission were essentially nonexistent, a result directly linked to the sampling protocol which weights by a factor of two those observations in which the species of interest was present (see Rehfeldt et al., 2009).

### ***Mapped contemporary climate profile***

The precision of the bioclimate model is further apparent by superimposing the locations inhabited by *P. leiophylla* on climate profile (Fig. 2). Nearly all data points occur

in grid cells for which the likelihood was high that the climate would be suited for the species.

The area where the climate is predicted to be suitable for *P. leiophylla* is greater than the actual distribution. This result is to be expected when habitat suitability is predicted on the basis of climate alone. Many other factors may restrict where a species actually occurs, e.g., substrate, interactions with other species, or restrictions on seed dispersal (see Pearson and Dawson, 2003 ; van Zonneveld et al., 2009). In addition, using the majority of votes ( $> 0.5$ ) to predict presence or absence prevents identification of locations where the climate may approach suitability (for example, with:  $0.25 < \text{votes} < 0.50$  ). Nonetheless, a portion of the classification error results from correctly predicting suitable niche space that is, by chance, not occupied.

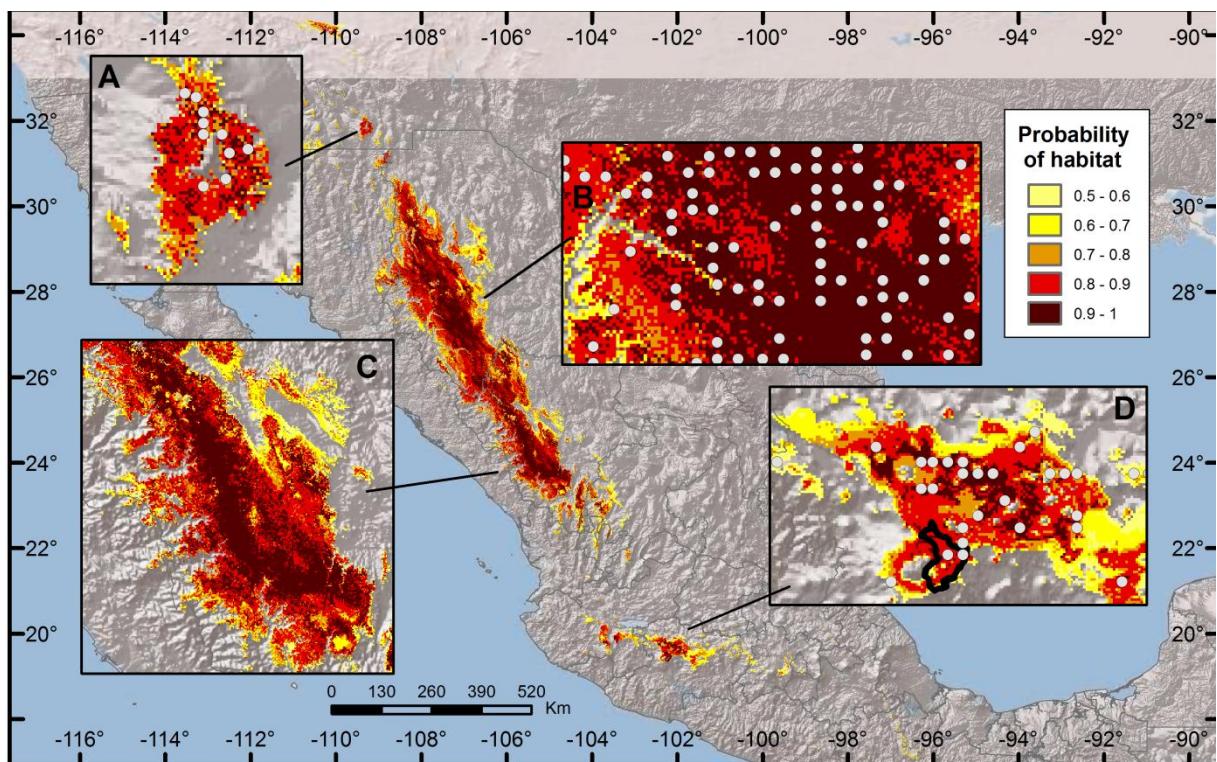


Figure 2. Mapped locations of areas predicted by the bioclimate model to lie within the contemporary climate niche of *Pinus leiophylla*. Shades (yellow to dark brown) show the likelihood (from 0.5 to 1.0) that the climate is suitable. Symbols (gray circles) locate existing populations as recorded by the Mexican forest inventory. Panels show distribution areas in Chiricahua mountains, Arizona, USA (A), interior slopes of Sierra Madre Occidental at southern Chihuahua state (B) and southern Durango state (C, Mexican forest

inventory presence sites not indicate), and Pico de Tancítaro National Park and forest of the Native Indian Community of Nuevo San Juan Parangaricutiro (black contour), Michoacán state (D).

Predicted distribution of the suitable climatic habitat well represents the actual distribution mainly along the interior slopes of the Sierra Madre Occidental (Figure 2B, C), along an area of transition between the high altitude colder and moister conifer and pine-oak forest of the Sierra Madre Occidental and the warmer and dryer pinyon-pine forest at the lower part of the slopes of the Sierra. The extreme northern distribution that reaches Arizona, USA, is well represented at the Chiricahua mountains (Figure 2A). On the Trans-Mexican Volcanic Belt, their predicted distribution appears with lower probability of occurrence (mostly between 0.5 and 0.8; Figure 2D), which is congruent with our direct observation that in that area, *P. leiophylla* in general does not conform pure stands; almost always is in mixed stands. The prediction in general is in agreement of maps developed by Perry (1991), Farjon and Styles (1997) and Rodríguez-Banderas et al (2009).

The extent of predicted distribution area (probability > 0.5) for the specie in México and in USA is show in Table 2.

Table 2. Predicted area of suitable climatic habitat (thousands of km<sup>2</sup>) for *Pinus leiophylla* per country and per interval of probability.

Country	Probability of suitable		
	climatic habitat	Total	Country
	0.5 to 0.8	0.8 to 1	0.5 to 1
México	70.0	107.9	177.9
USA	4.8	1.9	6.7
Total species	74.8	109.8	184.6

## *Pinus pseudostrobus*

### *Bioclimate model*

The 34-variable model produced a classification error that averaged 6.45 % across the 14 ‘forests’. As variables were eliminated in the stepwise procedure, this error fluctuated between 5.84 % (for 31 variables in the model) and 6.96 % (for 3 variables in the model). Errors for the 2-variable model increased to 10.55 % and to 20.46 % for one-variable model. The lowest error with a small number of variables was for the 7-variable model which, when run anew to produce the bioclimate model, had an error of 5.70 %, with errors caused by predicting *P. pseudostrobus* to be present when absent averaging 9.26 % while those caused from predicting *P. pseudostrobus* to be absent when present were nill (0.36 %). The seven climatic variables, listed in order of importance, were: MMAX, SPRP, MTCMMAP, MMIN, WINP, MAPMTCM and SUMP (Table 3).

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Table 3. Acronyms, derivation, and ranking of climatic variables of greatest relevance to the climate profile of *Pinus pseudostrobus*.

Acronym	Definition	Importance ranking
MAT	Mean annual temperature (°C)	-
MAP	Mean annual precipitation (mm)	-
DD5	Degree-days > 5°C	-
ADI	Annual Dryness Index: (DD5 <sup>0.5</sup> )/MAP	-
MTCM	Mean temperature of the coldest month	-
MMAX	Mean maximum temperature in the warmest month	1
SPRP	Spring precipitation: Sum of precipitation of April and May	2
MTCMMAP	MTCM/MAP	3
MMIN	Mean minimum temperature in the coldest month	4
WINP	Winter precipitation: Sum of precipitation of November, December, January and February	5

MAPMTCM	(MAP * MTCM)/1000	6
SUMP	Summer precipitation: Sum of precipitation of July and August	7

Similar to the modeling of *P. leiophylla*, the errors of omission were essentially nonexistent, a result directly linked to the sampling protocol which weights by a factor of two those observations in which the species of interest was present (see Rehfeldt et al., 2009).

#### ***Mapped contemporary climate profile***

The precision of the bioclimate model is further apparent by superimposing the locations inhabited by *P. pseudostrobus* on climate profile (Fig. 4). Nearly all data points occur in grid cells for which the likelihood was high ( $> 0.5$ ) that the climate would be suited for the species.

The area where the climate is predicted to be suitable for *P. pseudostrobus* is greater than the actual distribution. This result is to be expected when habitat suitability is predicted on the basis of climate alone. Many other factors may restrict where a species actually occurs, e.g., substrate, interactions with other species, or restrictions on seed dispersal (see Pearson and Dawson, 2003 ; van Zonneveld et al., 2009). In addition, using the majority of votes ( $> 0.5$ ) to predict presence or absence prevents identification of locations where the climate may approach suitability (for example, with:  $0.25 < \text{votes} < 0.50$ ). Nonetheless, a portion of the classification error results from correctly predicting suitable niche space that is, by chance, not occupied.

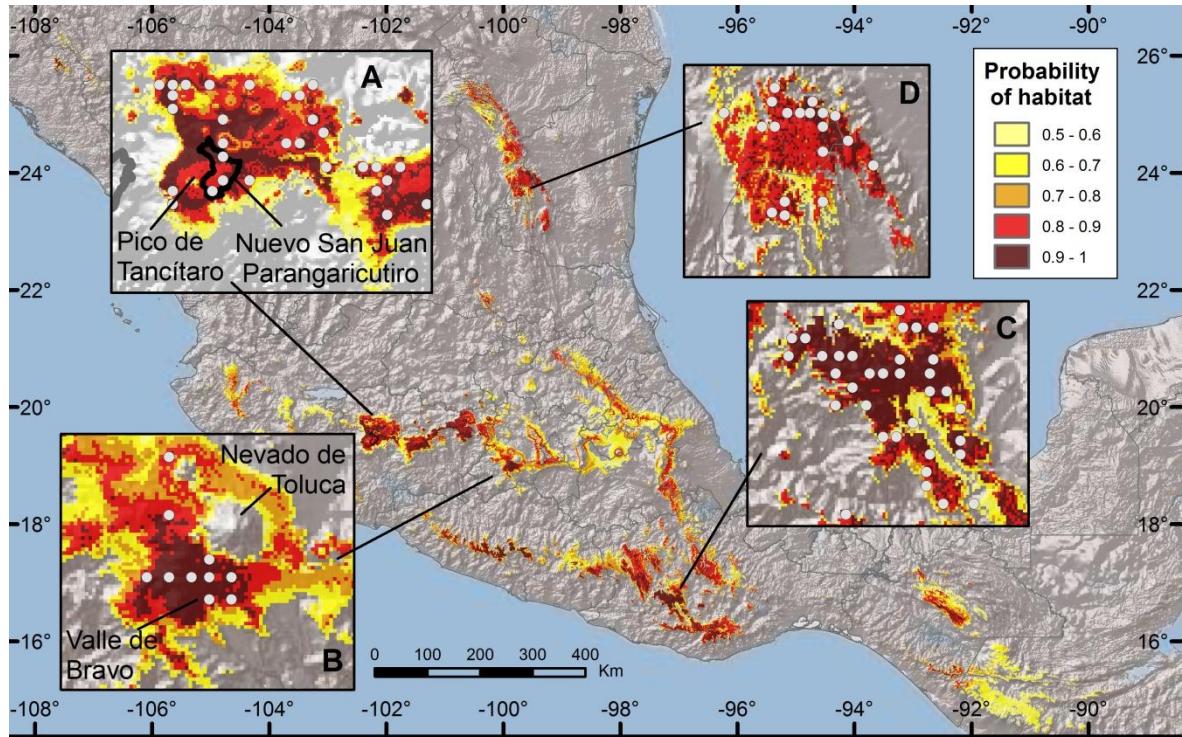


Figure 4. Mapped locations of areas predicted by the bioclimate model to lie within the contemporary climate niche of *Pinus pseudostrobus*. Shades (yellow to dark brown) show the likelihood (from 0.5 to 1.0) that the climate is suitable. Symbols (gray circles) locate existing populations as recorded by the Mexican forest inventory. Panels show distribution areas at Pico de Tancítaro National Park and forest of the Native Indian Community of Nuevo San Juan Parangaricutiro (black contour), Michoacán state (A), slopes near of Nevado de Toluca volcano, state of México (B), near of Santa María and San Vicente Lachixío, central-southern Oaxaca state (C), and slopes of Sierra Madre Oriental at the border of Nuevo León and Tamaulipas states (D).

Predicted distribution of the suitable climatic habitat well represent the actual distribution, mainly along narrow strips at the Trans-Mexican Volcanic Belt, with important areas of distribution as pure stands in moist and cold or temperate sites at the slopes of high elevation mountains, like Pico de Tancítaro, Michoacán (including the forest of the Native Indian community of Nuevo San Juan Parangaricutiro, Figure 4A) or Nevado de Toluca volcano, near of Valle de Bravo, México state (Figure 2B). There is also important distribution along moist and temperate or colder slopes of Sierra Madre Oriental, at the Reserva de la Biósfera El Cielo at Tamaulipas and northern of that Reserve (Figure

4D, as well as moist slopes of Sierra Madre Oriental along the Sierra Norte de Puebla and Sierra Norte de Oaxaca (Figure 2). There are an important distribution area around the communities of Santa María and San Vicente Lachixío, central-southern Oaxaca state (Figure 4C). The extreme south-eastern distribution that reaches the highlands of Los Altos de Chiapas state and Guatemala is also well represented (bottom-right of Figure 4). The prediction in general is in agreement of maps developed by Perry (1991) and Farjon and Styles (1997).

The extent of predicted distribution area (probability > 0.5) for the specie in México and in Guatemala is show in Table 4.

Table 4. Predicted area of suitable climatic habitat (thousands of km<sup>2</sup>) for *Pinus pseudostrobus* per country and per interval of probability.

Country	Probability of suitable		
	climatic habitat		Total Country
	0.5 to 0.8	0.8 to 1	0.5 to 1
México	63.3	40.3	103.6
Guatemala	10.9	0.1	11.0
Total species	74.2	40.4	114.6

## Considerations and cravats

Although we found some putative mistakes in the Mexican National Forest and Soil Inventory (MexFI), specially related to altitudes too high or too low (we guess due to deficiency of calibration of equipment, errors in data entry and errors in taxonomic identification, perhaps in that order of importance), the large amount of field observation of presence included in the MexFI, makes that data base a powerful tool to conduct climatic habitat distribution modeling.

The possible taxonomic identity confusions in the MexFI, like *P. leiophylla* var. *leiophylla* vs. *P. leiophylla* var. *chihuahuana*  $\approx$  *P. chihuahuana* (discussed in the Methodology section, Considerations about presence data input subsection) is an issue that it is not realistic that will be solved by field personnel that visited the field plots for the MexFI. If there is no consensus about taxonomic identity in the specialized literature and among the most experienced botanist, how could we expect that field work teams could not have confusions?

Presence observations derived from herbarium collection can complement but not replace the MexFI data base as data source for this type of modeling. In our experience, herbarium collections have the same type of errors than the MexFI: confusion or errors in taxonomic determination, elevation and geographic coordinates with errors due to deficiency of calibration of equipment or data entry, etc.

The most difficult part of the modeling was to construct an absence data set reasonable and equilibrated, where 40% of the observations were drawn from the pool of observations lacking the specie of interest, surrounding the climatic limits of the species of interest, considering that the number of absence data is nearly infinite in comparison with the presence data.

We consider a progress in the climatic data the availability of precipitation for specific periods of the year (like SPRP = Spring precipitation = Sum of precipitation of April and May), and its respective ratios, something new in comparison to previous versions of the spline climatic models available at <http://forest.moscowfsl.wsu.edu/climate/>.

## Conclusions

The suitable climatic habitat for *Pinus leiophylla* was predicted for approximately 178,000 km<sup>2</sup> on Mexican territory and 6,700 km<sup>2</sup> on USA territory, with a probability of presence > 0.5, an average error of 4.6 %, and under the contemporary climate (average of the period 1961 – 1990). Its main distribution is along the interior slopes of Sierra Madre Occidental and less along the western portion of the Trans-Mexican Volcanic Belt, with an

extreme northward small fragmented distribution at the Chiricahua mountains, Arizona, USA.

The suitable climatic habitat for *Pinus pseudostrobus* was predicted for approximately 103,600 km<sup>2</sup> on Mexican territory and 11,000 km<sup>2</sup> on Guatemalan territory, with a probability of presence > 0.5, an average error of 5.7 %, and under the contemporary climate (average of the period 1961 – 1990). Its main distribution is along the Trans-Mexican Volcanic Belt, the Sierra Madre Oriental, the Sierra Madre del Sur, Los Altos de Chiapas and at the highlands of Guatemala, in that approximate order of importance.

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## Appendix 1

Keys for climatic variables used in the modeling and for Appendixes 2 to 5. Taken from

<http://forest.moscowfsl.wsu.edu/climate/details.php>

- **d100** — Julian date the sum of degree-days  $\geq 5$  degrees C reaches 100.
- **dd0** — Degree-days  $< 0$  degrees C (based on mean monthly temperature).
- **dd5** — Degree-days  $\geq 5$  degrees C (based on mean monthly temperature).
- **fday** — Julian date of the first freezing date of autumn.
- **ffp** — Length of the frost-free period (days).
- **gsdd5** — Degree-days  $\geq 5$  degrees C accumulating within the frost-free period.
- **gsp** — Growing season precipitation, April to September.
- **map** — Mean annual precipitation.
- **mat** — Mean annual temperature.
- **mmax** — Mean maximum temperature in the warmest month.
- **mmindd0** — Degree-days  $< 0$  degrees C (based on mean minimum monthly temperature).
- **mmin** — Mean minimum temperature in the coldest month.
- **mtcm** — Mean temperature in the coldest month.
- **mtwm** — Mean temperature in the warmest month.
- **sday** — Julian date of the last freezing date of spring.
- **smrp<sub>b</sub>** — Summer precipitation balance: (jul+aug+sep)/(apr+may+jun).
- **smrsprpb** — Summer/Spring precipitation balance: (jul+aug)/(apr+may).
- **smrp** — Summer precipitation: (apr+may).
- **winp** — Winter precipitation: (nov+dec+jan+feb).

## Appendix 2

Mean, minimum, maximum, standard deviation of altitude (m) and of climatic values for 1475 sites with presence of *Pinus leiophylla*. Presence data is from Mexican Forest Inventory data (Mexican National Forest Commission) and climatic data was estimated from a spline climatic model (Sáenz-Romero et al 2010; Crookston and Rehfeldt 2011). Climatic variable keys as on Appendix 1.

Variable	Unit	Mean	Minimum	Maximum	StdDev
elev	masl	2290.4	1515.0	2978.0	262.4
mat	°C	12.3	8.1	21.5	1.9
map	mm	803.0	417.0	1833.0	200.4
gsp	mm	600.6	232.0	1599.0	162.6
dd5	grades	2790.7	1595.0	5990.0	632.3
dd0	grades	19.0	0.0	286.0	33.3
gsdd5	grades	1912.4	659.0	5702.0	741.5
mtcm	°C	6.2	-1.2	19.5	2.7
mmin	°C	-3.0	-9.6	12.8	3.1
mtwm	°C	17.9	12.7	28.1	2.2
mmax	°C	26.9	19.1	36.8	2.3
sday	days	128.6	0.0	180.0	33.9
fday	date	292.8	254.0	364.0	19.7
ffp	days	166.1	86.0	365.0	49.7
winp	mm	47.3	7.0	113.0	19.3
sump	mm	641.0	0.0	1564.0	312.0
d100	date	134.8	22.0	299.0	50.0
mindd0	grades	361.4	145.0	654.0	88.9
sprp	mm	30.1	13.0	226.0	14.2

### Appendix 3

Mean, minimum, maximum and standard deviation of altitude (m) and of climatic values for 429 sites with presence of *Pinus pseudostrobus*. Presence data is from Mexican Forest Inventory data (Mexican National Forest Commission) and climatic data was estimated from a spline climatic model (Sáenz-Romero et al 2010; Crookston and Rehfeldt 2011). Climatic variable keys as on Appendix 1.

Variable	Unit	Mean	Minimum	Maximum	StdDev
elev	masl	2258.5	1500.0	3370.0	392.7
mat	°C	15.3	9.0	22.1	2.2
map	mm	1124.9	441.0	2473.0	326.3
gsp	mm	928.6	371.0	1612.0	271.2
dd5	grades	3748.0	1563.0	6188.0	791.8
dd0	grades	0.0	0.0	3.0	0.2
gsdd5	grades	3422.2	678.0	6035.0	1038.8
mtcm	°C	12.8	6.7	20.5	2.5
mmin	°C	5.6	-2.3	12.5	2.7
mtwm	°C	17.5	11.2	24.7	2.3
mmax	°C	24.9	17.7	33.3	2.7
sday	days	30.4	0.0	144.0	33.8
fday	date	343.4	267.0	364.0	24.9
ffp	days	306.1	128.0	365.0	66.8
winp	mm	14.2	7.0	39.0	5.0
sump	mm	40.6	0.0	565.0	66.3
d100	date	87.7	19.0	583.0	58.3
mindd0	grades	407.2	119.0	752.0	148.3
sprp	mm	109.6	23.0	240.0	42.4

## Appendix 4

Coordinates, altitude and climatic values for 1475 sites with presence of *Pinus leiophylla*. Presence data is from Mexican Forest Inventory data (Mexican National Forest Commission) and climatic data was estimated from a spline climatic model (Sáenz-Romero et al 2010; Crookstone and Rehfeldt 2011). Climatic variable keys as on Appendix 1. Units are indicated after the variable key.

Site ID	LonW	Lat N	elev m	mat °C	map mm	gsp mm	dd5 grades	dd0 grades	gsdd5 grades	mtem °C	mmin °C	mtwm °C	mmax °C	sday days	fday date	ffp days	winp mm	sump mm	d100 date	mindd0 grades	sprp mm
96928	110.32	31.45	1891	13.4	563	337	3215	14	2580	5.4	-1.7	22	29.9	113	301	192	50	393	157	240	19
96929	109.24	31.8	2347	10.5	658	374	2370	80	1795	2.5	-4.4	19.2	26.8	135	288	160	82	740	198	251	28
96930	110.53	32.18	2113	11.7	678	368	2711	44	2245	3.8	-2.3	20.3	27.2	120	301	184	70	482	212	251	29
96931	110.69	32.41	1960	12.7	666	348	3017	27	2528	4.6	-1.4	21.5	28.2	113	305	194	61	364	215	236	31
96932	110.03	32.75	2225	10.5	665	345	2392	91	1877	2.2	-4.1	19.5	26.5	132	290	160	89	677	217	224	35
96933	108.27	32.95	2316	9.2	500	305	2106	182	1408	0.2	-8	19.1	27.3	157	270	122	99	1281	125	197	25
96934	110.33	33.94	1920	10.1	603	287	2347	142	1656	0.9	-7	20.7	29.6	154	277	131	95	1115	208	180	38
96935	110.33	33.94	2012	9.5	631	301	2204	170	1535	0.4	-7.3	20	28.8	157	276	127	99	1179	219	187	41
96936	110.33	33.94	2073	9.2	646	307	2125	184	1473	0.2	-7.6	19.6	28.3	158	275	126	101	1219	226	191	41
96937	109.66	33.98	2042	9.1	566	292	2108	207	1397	-0.3	-8.9	19.5	28.6	159	269	113	102	1426	177	180	37
96938	109.66	33.98	2195	8.2	627	318	1881	262	1217	-1	-9.6	18.3	27.3	162	266	108	110	1564	202	195	42
96939	110.08	34.02	2042	9.1	610	296	2097	203	1411	-0.2	-8.2	19.6	28.7	159	270	116	103	1333	206	184	39
96940	110.12	34.03	1981	9.3	590	288	2157	188	1453	0	-8	19.9	29.2	159	271	121	101	1304	197	180	37
96941	110.13	34.07	1951	9.4	567	279	2180	188	1459	0	-8.1	20.1	29.5	160	271	120	100	1313	187	176	35
96942	110.09	34.07	2042	9	595	290	2089	208	1387	-0.3	-8.4	19.6	28.8	160	269	115	103	1353	199	181	38
96943	110.39	34.08	1615	11.9	485	232	2866	83	2111	2	-6.2	23.1	32.3	143	285	150	77	945	162	145	31
96944	110.23	34.11	1888	9.8	538	266	2292	167	1589	0.3	-7.8	20.7	30.1	157	275	126	97	1251	177	168	33
96945	110.18	34.11	2010	9.1	575	283	2128	203	1435	-0.2	-8.3	19.9	29.1	159	270	117	102	1331	191	176	37
96946	110.28	34.12	1920	9.7	547	269	2277	172	1601	0.2	-7.8	20.6	29.9	156	276	127	97	1247	182	168	35
96947	110.39	34.16	1707	11.2	484	236	2677	112	1935	1.3	-6.9	22.4	31.7	148	281	137	85	1064	160	147	32
96948	110.39	34.16	1798	10.6	505	247	2524	133	1815	0.9	-7.3	21.8	30.9	151	279	134	91	1133	168	154	33
96949	110.39	34.16	1829	10.4	516	253	2471	142	1786	0.7	-7.4	21.5	30.7	151	279	133	93	1151	172	157	34
96950	110.39	34.16	1859	10.3	519	255	2423	150	1733	0.6	-7.5	21.3	30.4	153	278	132	94	1173	173	158	34
96951	110.39	34.16	1890	10.1	528	259	2372	159	1686	0.4	-7.6	21.1	30.2	154	277	130	95	1188	177	161	34
96952	110.39	34.16	1920	9.9	540	264	2328	167	1675	0.3	-7.7	20.9	29.9	153	277	130	97	1206	182	163	35
96953	110.39	34.16	1951	9.7	548	269	2284	175	1632	0.2	-7.8	20.7	29.7	154	276	128	98	1228	185	166	36

96954	110.39	34.16	1981	9.5	555	272	2237	186	1577	0	-7.9	20.5	29.4	156	275	127	99	1249	188	168	36
96955	110.39	34.16	2012	9.4	564	276	2196	194	1553	-0.1	-8	20.2	29.2	156	275	126	100	1268	191	170	37
96956	110.39	34.16	2042	9.2	573	281	2151	202	1512	-0.2	-8.1	20	28.9	157	274	124	102	1284	195	173	38
96957	110.39	34.16	2073	9.1	580	282	2112	210	1483	-0.3	-8.2	19.8	28.7	157	273	121	103	1300	199	174	38
96958	110.39	34.16	2103	8.9	589	288	2070	222	1431	-0.5	-8.3	19.6	28.4	158	271	120	105	1321	201	177	40
96959	110.35	34.16	1890	10	526	259	2358	162	1690	0.4	-7.7	21	30.2	153	277	130	96	1208	176	161	34
96960	110.25	34.17	2012	9.2	554	273	2150	206	1474	-0.3	-8.3	20.1	29.2	158	271	120	102	1317	185	169	36
96961	110.47	34.19	1951	9.8	543	266	2307	173	1650	0.2	-7.8	20.8	29.7	154	277	130	97	1216	185	164	36
96962	110.35	34.21	2073	9	559	276	2108	221	1476	-0.5	-8.4	19.9	28.8	157	272	121	104	1321	189	169	37
96963	110.28	34.21	2042	9.1	548	271	2135	215	1468	-0.5	-8.4	20	29.1	158	271	120	103	1330	184	166	36
96964	110.56	34.24	1951	9.8	534	263	2313	175	1668	0.2	-7.8	20.8	29.7	153	277	130	97	1212	181	163	36
96965	110.51	34.24	2073	9.1	558	277	2130	215	1515	-0.4	-8.3	20	28.7	156	274	125	103	1294	188	170	38
96966	109.82	32.65	1951	12.5	538	288	2964	39	2446	3.8	-2.8	21.7	28.9	117	300	184	66	488	168	189	27
96967	110.45	31.47	1646	14.4	480	294	3535	7	2843	6.1	-1.8	23.3	31.7	110	303	194	43	392	126	211	16
96968	110.4	31.43	1768	13.9	522	318	3380	10	2697	5.8	-1.7	22.7	30.8	112	301	192	46	392	140	227	18
96969	109.3	31.78	1768	13.2	538	318	3174	25	2507	4.6	-3.1	22.4	30.8	120	297	175	58	543	153	216	21
96970	109.25	31.92	2134	11.4	603	345	2635	56	2033	3.1	-4	20.3	28.2	128	289	159	72	671	179	232	25
96971	109.18	31.88	1616	13.5	506	302	3284	24	2550	4.7	-3.5	23	31.8	122	295	172	56	588	140	202	20
96972	109.3	31.95	1829	12.8	542	318	3046	32	2384	4.2	-3.4	22	30.3	123	295	172	61	578	155	215	22
96973	110.73	32.47	2104	11.6	716	374	2682	50	2246	3.6	-2.2	20.3	26.9	118	301	186	73	464	232	254	33
96974	110.68	32.37	1784	14.1	614	319	3437	11	2876	5.7	-0.5	23	29.8	106	309	201	48	273	200	216	28
96975	108.33	32.82	2012	11.1	450	269	2602	96	1887	1.9	-6.4	21.2	29.5	143	281	141	83	999	119	173	21
96976	109.05	33.1	1738	12.2	457	249	2922	58	2214	2.9	-5.2	22.4	30.9	133	288	158	71	802	136	158	23
96977	109.9	33.98	1890	9.9	543	275	2323	159	1616	0.4	-7.9	20.6	29.9	155	275	127	96	1246	172	172	35
96978	110.48	34.25	2043	9.2	545	270	2169	207	1544	-0.3	-8.3	20.2	29	156	275	126	102	1285	184	166	36
96979	110.52	34.25	2058	9.2	553	274	2150	210	1526	-0.3	-8.3	20.1	28.8	156	274	125	102	1291	187	169	37
96980	109.03	31.52	1707	13.6	467	261	3298	21	2567	4.8	-3.5	23.1	31.8	122	296	172	54	594	144	177	17
96981	110.75	31.48	1524	14.6	510	308	3597	6	2835	6.3	-2.1	23.7	32.2	113	300	192	41	426	136	223	17
96982	110.22	32.47	1540	15.5	468	249	3914	4	3288	6.5	-0.5	25	32.4	98	310	210	39	263	146	166	22
96983	109.75	33.3	1951	11	543	279	2582	96	2009	1.8	-5.3	21	28.8	134	288	157	87	797	175	178	31
96984	109.8	33.37	1875	11.4	527	273	2687	89	2093	2	-5.3	21.6	29.6	133	288	157	84	797	168	174	31
96985	108.77	31.6	1966	12.7	491	282	3011	37	2328	3.9	-4.1	22.1	30.5	125	291	167	63	659	145	188	19
96986	110.83	34.17	1997	9.8	627	293	2281	162	1653	0.6	-7.2	20.5	29	152	277	132	97	1155	225	180	44
96987	110.35	34.3	2043	9.2	514	258	2175	219	1547	-0.6	-8.6	20.3	29.2	156	274	125	102	1318	171	157	35
96988	110.35	34.27	2119	8.8	549	272	2062	242	1445	-0.8	-8.7	19.7	28.5	157	271	120	106	1361	185	166	37
96989	110.57	34.32	2149	8.6	552	277	2023	251	1425	-0.9	-8.7	19.5	28.1	157	271	119	107	1358	185	170	38
96990	110.7	34.32	2241	8.1	589	292	1897	286	1337	-1.2	-8.9	18.9	27.2	157	269	116	113	1415	201	179	43
96991	110.92	34.3	1982	9.7	600	281	2274	179	1662	0.3	-7.7	20.7	29.2	152	277	130	99	1212	214	174	43
96992	110.37	31.45	1890	13.4	565	338	3191	15	2560	5.4	-1.8	21.9	29.8	114	301	191	50	408	157	241	19

96993	110.77	31.72	1707	14.2	551	320	3461	8	2839	6	-1.2	23	30.6	108	306	198	44	337	156	226	20
96994	110.83	31.73	1982	12.7	635	360	2976	23	2460	4.8	-1.7	21.2	28.3	115	304	194	59	408	189	253	24
96995	109.35	32.03	1860	12.7	539	313	3019	34	2372	4.1	-3.3	21.9	30	123	295	172	62	568	156	211	22
96996	109.32	32.02	2073	11.7	587	336	2708	52	2113	3.3	-3.8	20.6	28.5	126	291	163	70	640	174	225	25
96997	109.3	31.92	2378	10.2	667	376	2299	92	1734	2.2	-4.5	18.9	26.4	137	287	160	86	759	202	252	28
96998	110.35	31.48	1768	14.1	518	314	3415	9	2768	5.9	-1.5	22.8	30.8	110	304	195	45	370	140	224	18
96999	109.3	31.98	1890	12.5	552	321	2965	37	2319	3.9	-3.5	21.7	29.9	124	294	171	63	595	160	216	23
97000	109.23	31.87	1784	12.9	542	319	3088	30	2399	4.3	-3.5	22.1	30.7	124	295	171	61	593	155	215	22
97058	108.8	31.19	2190	12.1	582	343	2795	36	2149	3.9	-3.6	20.6	28.8	125	291	164	64	609	166	232	21
97061	108.8	31.15	1875	13.7	498	296	3311	14	2611	5.3	-2.8	22.3	31.1	114	298	183	50	482	139	201	17
97071	108.95	31.05	2017	13	566	337	3063	20	2405	4.9	-2.8	21.3	29.9	119	298	179	54	502	159	231	19
97072	108.9	31.05	1842	13.9	512	307	3372	11	2672	5.6	-2.3	22.4	31.2	111	299	184	47	437	141	209	18
97073	108.85	31.06	2020	13	553	331	3074	20	2413	4.9	-2.9	21.4	30	118	297	178	55	511	154	225	19
97091	108.67	30.57	2064	12.7	590	375	2975	18	2321	5	-2.6	20.6	29.2	119	298	177	54	494	148	255	19
97096	109.08	30.5	2111	12.6	683	421	2914	16	2267	5.2	-2.2	20.2	28.8	120	299	183	53	473	183	291	22
97099	108.4	30.53	1772	14.2	452	307	3442	6	2755	6.1	-1.7	22.3	30.9	103	300	189	42	379	99	209	13
97101	109.6	30.44	1800	14.7	636	402	3603	1	2849	7.3	-0.4	22.4	31.2	108	309	202	34	282	165	287	19
97106	108.45	30.49	1776	14.2	467	317	3438	6	2749	6.2	-1.7	22.2	30.9	103	300	189	42	380	102	216	14
97113	108.55	30.44	2031	12.8	574	374	2990	17	2304	5.1	-2.6	20.6	29.2	119	296	173	53	497	138	255	17
97120	108.55	30.39	2019	12.8	575	376	2999	16	2304	5.1	-2.6	20.6	29.2	119	296	173	53	497	137	256	17
97121	108.5	30.39	1859	13.7	510	343	3272	9	2553	5.8	-2	21.6	30.3	111	298	184	45	421	115	234	15
97123	108.4	30.4	2352	11.1	660	424	2478	43	1801	3.6	-3.9	18.8	27.1	135	288	158	69	685	162	285	21
97124	108.35	30.4	1996	13	518	350	3049	17	2320	5.1	-2.8	20.9	29.5	121	295	172	53	508	115	238	15
97134	108.44	30.31	2100	12.3	594	392	2829	23	2128	4.7	-3.1	20	28.6	124	292	165	59	567	139	265	19
97135	108.39	30.31	2154	12	601	397	2749	27	2051	4.4	-3.4	19.8	28.3	126	290	161	61	601	141	268	19
97136	108.34	30.31	2111	12.3	570	381	2826	24	2106	4.6	-3.3	20.1	28.6	125	290	164	59	580	130	258	17
97137	108.29	30.31	1951	13.1	497	343	3103	15	2365	5.2	-2.8	21.1	29.7	119	295	173	51	505	105	233	14
97148	108.54	30.21	2202	11.7	680	438	2628	30	1911	4.3	-3.4	19.2	27.7	133	291	161	63	623	168	296	21
97149	108.49	30.21	2130	12	634	415	2743	25	2036	4.5	-3.3	19.6	28.3	127	291	163	60	595	151	281	19
97152	108.34	30.22	2003	12.7	541	369	2971	18	2251	5	-3.1	20.6	29.2	122	294	168	54	548	118	250	16
97154	108.18	30.23	2212	11.7	577	393	2666	32	1971	4.1	-3.9	19.5	28.1	128	288	160	64	671	126	264	18
97159	108.44	30.17	2164	11.8	643	424	2674	29	1949	4.3	-3.5	19.4	28	131	290	160	62	632	151	286	20
97164	108.9	30.11	2300	11.2	821	509	2462	33	1773	4.2	-3.2	18.3	26.8	137	292	156	65	629	218	346	26
97166	108.54	30.12	1950	13	591	394	3038	13	2303	5.4	-2.7	20.6	29.4	121	296	172	50	512	136	268	17
97167	108.49	30.12	1892	13.3	555	376	3142	11	2378	5.6	-2.5	21	29.8	120	297	175	48	489	124	255	17
97168	108.43	30.13	2146	11.8	646	426	2683	28	1954	4.4	-3.5	19.4	28.1	131	290	160	62	635	152	288	20
97171	108.23	30.13	2155	11.8	584	398	2697	31	1967	4.2	-3.9	19.6	28.3	130	288	159	63	672	127	268	18
97179	108.33	30.08	2021	12.5	569	389	2889	20	2140	4.8	-3.4	20.2	29	125	291	163	57	603	124	263	17
97180	108.28	30.09	2049	12.3	563	388	2846	23	2095	4.7	-3.6	20.1	28.9	126	289	158	59	623	120	261	18

97182	108.17	30.09	2197	11.6	589	405	2618	34	1893	4	-4.2	19.3	28	133	288	159	65	716	126	272	19
97183	108.12	30.09	2265	11.3	600	412	2534	39	1812	3.8	-4.4	19	27.7	136	287	155	67	745	128	276	19
97187	108.43	30.04	1798	13.7	515	358	3287	8	2505	5.9	-2.4	21.5	30.4	117	298	180	45	468	108	242	16
97188	108.33	30.04	2052	12.2	588	401	2811	24	2039	4.6	-3.6	19.9	28.8	129	289	158	60	633	129	270	18
97194	108.53	29.99	2142	11.7	714	462	2630	29	1889	4.4	-3.5	19.1	27.9	134	290	158	62	647	175	311	22
97196	108.43	29.99	2044	12.2	631	421	2797	23	2028	4.7	-3.5	19.8	28.6	130	290	159	59	627	146	284	19
97197	108.27	30	2148	11.7	623	423	2635	31	1876	4.2	-4.1	19.3	28.1	135	288	159	63	712	138	284	20
97199	108.17	30	2311	10.9	655	443	2407	46	1655	3.5	-4.6	18.4	27.1	143	284	144	71	796	146	296	21
97203	108.84	29.93	2503	9.9	947	581	2089	63	1388	3.2	-4	16.8	25.1	151	282	143	79	769	256	392	31
97207	108.48	29.94	2367	10.4	815	517	2258	53	1507	3.4	-4.3	17.6	26.2	149	283	142	74	783	208	346	26
97211	108.27	29.95	2218	11.2	665	446	2498	39	1758	3.8	-4.3	18.7	27.6	139	287	151	67	760	152	298	22
97212	108.22	29.95	2268	11	666	449	2438	44	1653	3.6	-4.5	18.5	27.3	145	284	146	70	789	150	300	21
97215	107.91	29.96	2432	10.6	614	431	2325	54	1560	3.2	-5	18.1	26.8	147	281	141	74	846	124	286	21
97222	108.42	29.9	2175	11.3	724	472	2527	35	1790	4	-4	18.7	27.6	137	288	154	66	720	175	316	23
97226	108.16	29.91	2385	10.4	705	473	2269	57	1478	3.2	-4.9	17.8	26.5	152	280	133	75	856	160	315	23
97236	108.52	29.85	1936	12.7	645	429	2964	15	2184	5.3	-3.1	20.2	29.2	125	293	167	52	571	150	288	20
97246	107.85	29.88	2100	12.2	453	345	2801	25	1998	4.5	-4.6	20	29.3	132	287	157	60	764	72	231	16
97249	108.52	29.81	1740	14	555	382	3361	5	2546	6.3	-2.4	21.5	30.8	116	298	181	42	469	120	255	18
97250	108.42	29.81	2170	11.2	753	489	2495	36	1727	4	-4.1	18.5	27.5	141	287	151	67	746	184	327	23
97251	108.37	29.81	2286	10.6	790	510	2315	50	1524	3.5	-4.5	17.9	26.7	151	283	139	73	813	194	339	25
97255	108.06	29.82	1795	13.6	417	318	3253	11	2398	5.6	-3.6	21.6	30.9	122	292	168	47	611	67	213	15
97263	108.42	29.77	1943	12.5	634	428	2892	19	2085	5	-3.6	20	29.2	129	290	158	56	640	143	286	20
97265	108.31	29.77	2332	10.3	803	521	2238	56	1431	3.3	-4.7	17.5	26.4	154	280	131	75	853	196	346	26
97266	108.26	29.77	2338	10.3	775	509	2244	57	1439	3.2	-4.8	17.6	26.5	154	280	131	76	864	185	338	25
97268	108.16	29.78	2123	11.5	606	424	2582	35	1756	4	-4.8	19.1	28.3	143	285	144	65	820	126	283	20
97269	108.11	29.78	1924	12.7	481	356	2953	19	2120	4.9	-4.3	20.5	29.9	128	287	158	56	721	86	238	17
97270	108.05	29.78	2050	12	508	374	2737	27	1896	4.4	-4.8	19.7	29.1	137	285	149	61	807	92	251	17
97271	108	29.78	1970	12.5	450	342	2895	21	2047	4.8	-4.6	20.3	29.8	132	287	157	58	766	73	230	16
97277	108.57	29.71	1852	13.2	645	430	3105	11	2305	5.7	-2.8	20.5	29.8	122	295	169	48	540	150	287	21
97281	108.31	29.72	2177	11	744	490	2448	42	1626	3.7	-4.6	18.4	27.5	148	284	142	69	819	178	325	24
97282	108.26	29.73	2233	10.8	742	492	2369	48	1522	3.5	-4.8	18.1	27.2	153	281	134	72	854	174	327	24
97283	108.21	29.73	2205	10.9	695	471	2420	44	1562	3.6	-4.9	18.4	27.5	152	281	134	70	859	156	313	23
97285	108.1	29.73	2373	10.3	707	482	2235	58	1412	3.2	-5.1	17.6	26.5	155	278	131	76	902	156	319	24
97286	108.05	29.73	2187	11.2	580	416	2509	39	1644	3.8	-5.1	18.8	28.1	148	281	140	67	878	114	278	19
97287	108	29.74	2082	11.8	498	372	2681	30	1835	4.2	-5	19.5	29	139	283	145	63	848	87	250	18
97297	108.36	29.68	2195	10.9	799	516	2391	44	1568	3.7	-4.5	18.1	27.2	151	284	139	70	818	198	342	26
97299	108.21	29.68	2286	10.5	746	498	2295	54	1446	3.3	-5	17.8	26.9	155	279	130	74	891	172	330	25
97301	108.1	29.69	2278	10.7	666	461	2343	51	1485	3.4	-5.2	18.1	27.2	154	279	132	73	903	142	307	22
97305	107.9	29.69	2207	11.4	514	387	2545	36	1665	3.9	-5.2	19	28.3	147	280	140	66	888	87	259	19

97308	108.56	29.62	2036	11.8	791	506	2679	24	1874	4.7	-3.6	19	28.1	137	290	158	60	667	200	338	25
97309	108.51	29.63	1762	13.7	595	406	3262	7	2439	6.1	-2.8	21.1	30.5	120	297	174	43	525	132	269	21
97316	108.1	29.64	2354	10.3	711	487	2238	58	1400	3.2	-5.2	17.6	26.6	156	278	132	76	923	156	323	24
97317	108.05	29.64	2482	9.9	740	503	2106	68	1327	2.9	-5.3	17	25.7	155	276	131	80	938	164	333	25
97319	107.94	29.65	2247	11	560	412	2449	42	1569	3.7	-5.3	18.6	27.8	152	280	134	69	916	102	275	19
97322	108.56	29.58	2023	11.9	798	509	2684	24	1877	4.7	-3.6	19	28.2	137	290	159	60	669	203	340	26
97326	108.36	29.59	2265	10.4	874	552	2251	54	1423	3.4	-4.7	17.5	26.5	155	280	133	74	857	225	366	28
97327	108.3	29.59	2191	10.8	797	518	2374	46	1504	3.6	-4.8	18	27.2	154	281	133	71	860	196	343	26
97330	108.15	29.59	2272	10.6	715	485	2311	52	1440	3.4	-5.2	17.9	27	156	279	130	73	916	161	322	24
97331	108.1	29.6	2307	10.5	694	477	2288	54	1424	3.3	-5.2	17.8	26.9	156	278	131	74	924	151	317	23
97333	107.99	29.6	2487	9.9	718	497	2111	67	1329	2.9	-5.3	17	25.8	155	276	130	80	940	152	328	25
97334	107.89	29.6	2157	11.5	487	374	2585	33	1684	4.1	-5.4	19.1	28.7	147	280	139	64	911	78	251	18
97341	108.56	29.53	2086	11.4	863	542	2547	30	1766	4.4	-3.8	18.4	27.5	139	288	155	63	708	225	361	28
97343	108.46	29.54	2284	10.2	974	596	2192	54	1384	3.4	-4.4	17.1	26	155	280	132	75	829	264	395	32
97344	108.4	29.54	2028	11.7	751	489	2644	28	1838	4.4	-4.2	19	28.3	138	288	154	62	750	184	325	25
97347	108.2	29.55	2063	11.5	645	443	2598	33	1706	4.1	-4.9	19	28.5	147	283	143	65	859	142	294	22
97348	108.15	29.55	2213	10.8	689	471	2383	45	1489	3.6	-5.2	18.2	27.5	155	279	131	71	916	153	313	23
97350	108.04	29.55	2469	9.9	745	510	2107	67	1315	2.9	-5.3	17	25.7	156	276	130	80	941	163	337	26
97357	106.86	29.59	2275	13.1	510	389	3074	14	2263	5.3	-3.7	20.5	29.7	122	292	166	51	593	67	230	24
97358	106.81	29.6	2200	13.5	494	377	3204	11	2404	5.6	-3.5	21	30.2	117	294	173	47	562	63	221	24
97360	108.51	29.49	1836	13	667	446	3066	12	2234	5.6	-3.3	20.4	29.7	125	293	166	49	601	156	296	23
97364	108.25	29.5	1789	13.3	532	377	3142	12	2267	5.5	-4	20.9	30.5	125	290	163	49	671	109	249	19
97365	108.2	29.5	2178	10.9	717	480	2413	43	1534	3.7	-5.1	18.3	27.5	153	280	132	70	901	167	319	24
97369	107.84	29.52	2215	11.4	515	394	2548	34	1662	4	-5.3	18.9	28.3	147	280	138	65	901	83	262	19
97379	108.61	29.44	1709	14.1	623	424	3383	3	2542	6.6	-2.5	21.3	30.7	116	298	179	39	484	140	281	22
97380	108.55	29.44	1764	13.6	643	434	3230	7	2406	6.1	-2.9	20.9	30.3	120	296	171	44	542	146	288	22
97381	108.51	29.45	1825	13.1	666	446	3078	11	2237	5.7	-3.3	20.4	29.8	125	293	166	48	600	155	296	23
97383	108.35	29.45	2103	11.2	803	515	2488	36	1629	4	-4.6	18.4	27.6	148	283	140	67	824	203	342	27
97384	108.24	29.46	2066	11.5	694	465	2574	34	1674	4.1	-4.9	18.9	28.3	148	282	142	65	858	162	309	24
97391	107.58	29.48	2541	10.5	625	463	2266	52	1479	3.3	-5.1	17.5	26.4	148	279	138	73	863	108	298	23
97404	107.52	29.44	2210	12.3	489	385	2825	21	2038	4.7	-4.4	19.7	29.1	127	287	158	59	726	68	246	19
97413	108.39	29.36	1650	14.3	551	388	3459	4	2576	6.5	-3	21.7	31.4	118	297	175	40	542	114	253	21
97430	108.29	29.32	1965	12	692	462	2733	25	1885	4.6	-4.6	19.4	28.9	137	286	150	61	808	165	307	25
97431	108.24	29.32	2325	10.2	846	547	2190	53	1367	3.4	-4.8	17.1	26	155	278	133	75	895	210	363	29
97433	108.08	29.33	2353	10.4	724	495	2243	52	1396	3.4	-5	17.5	26.3	155	278	132	74	906	160	329	25
97434	108.03	29.33	2267	10.9	639	449	2404	42	1498	3.7	-5.1	18.2	27.3	154	279	131	69	902	134	299	23
97436	107.57	29.34	2190	12.3	502	394	2819	21	2011	4.7	-4.4	19.7	29.1	129	287	158	59	734	72	252	19
97439	106.69	29.37	2234	13.3	586	426	3158	10	2340	5.7	-3.5	20.7	29.9	118	293	170	47	570	91	241	30
97442	108.24	29.28	2115	11.2	745	489	2487	36	1595	4	-5	18.5	27.8	150	280	136	67	888	183	326	26

97444	108.08	29.28	2206	11.2	633	439	2480	37	1587	3.9	-5	18.5	27.8	150	280	134	67	889	138	293	23
97447	107.93	29.29	2224	11.2	586	427	2506	36	1612	3.9	-5.1	18.6	27.9	149	280	138	67	891	112	284	21
97450	107.57	29.3	2480	10.8	617	464	2355	43	1566	3.6	-4.9	17.8	26.7	143	280	140	69	829	103	297	23
97463	107.98	29.24	2356	10.6	677	479	2294	47	1432	3.5	-5	17.7	26.6	154	278	132	72	895	139	317	24
97464	107.87	29.24	2276	11.1	600	442	2463	38	1593	3.9	-5.1	18.4	27.6	148	280	139	67	876	111	292	22
97466	107.21	29.27	2374	12.1	559	430	2741	22	1965	4.7	-4.1	19.1	28.3	127	287	159	59	673	81	262	23
97469	106.64	29.28	2300	13	646	461	3038	13	2212	5.4	-3.7	20.2	29.3	120	289	162	50	602	110	258	34
97471	106.49	29.29	2260	13.1	664	467	3084	12	2286	5.5	-3.7	20.4	29.4	118	292	168	49	586	118	257	37
97478	107.98	29.19	2369	10.5	695	491	2270	48	1414	3.5	-5	17.5	26.4	154	278	132	72	895	143	324	25
97480	107.82	29.2	2216	11.5	572	427	2588	32	1737	4.1	-5	18.9	28.2	140	281	143	64	848	102	280	22
97481	107.77	29.2	2269	11.4	581	438	2537	34	1704	4	-4.9	18.6	27.9	140	281	142	65	834	100	286	22
97482	107.72	29.2	2255	11.6	564	429	2596	30	1780	4.2	-4.8	18.8	28.1	136	282	147	63	808	94	279	21
97490	108.23	29.14	2246	10.7	815	539	2323	43	1452	3.7	-4.9	17.7	26.7	154	279	131	70	891	195	360	28
97492	107.92	29.15	2298	10.9	645	464	2404	40	1546	3.8	-5	18.1	27.2	149	280	139	68	878	127	307	23
97494	107.82	29.16	2102	12.1	537	403	2769	25	1916	4.5	-4.9	19.6	29.1	135	285	151	60	824	94	264	21
97495	107.77	29.16	2289	11.3	597	446	2510	34	1671	4	-4.9	18.5	27.7	142	281	141	66	830	105	291	22
97497	107.66	29.16	2340	11.2	596	450	2497	34	1705	4	-4.7	18.4	27.5	137	281	144	65	798	100	290	22
97508	108.12	29.1	2216	11	730	497	2413	40	1533	3.8	-5.1	18.2	27.3	152	280	134	68	907	166	332	26
97509	108.02	29.1	2122	11.5	639	447	2593	33	1706	4.1	-5.3	19	28.4	145	281	140	64	912	138	298	23
97510	107.97	29.1	2144	11.6	619	440	2602	32	1713	4.1	-5.2	19	28.4	144	281	141	64	892	128	292	23
97512	107.82	29.11	2025	12.5	519	390	2903	20	2041	4.8	-4.8	20.1	29.8	132	287	155	58	797	90	254	21
97513	107.77	29.11	2166	11.9	555	419	2706	26	1860	4.4	-4.7	19.3	28.7	136	284	151	62	796	95	272	22
97514	107.71	29.11	2334	11.2	608	455	2470	36	1663	3.9	-4.8	18.3	27.4	140	281	143	66	811	106	295	22
97515	107.66	29.12	2360	11.1	610	458	2461	36	1654	3.9	-4.7	18.2	27.3	140	281	143	66	799	104	294	23
97516	107.61	29.12	2110	12.6	511	397	2925	18	2079	5	-4.1	20	29.5	128	287	157	55	685	77	251	21
97525	108.17	29.05	1982	12.1	672	460	2772	25	1905	4.6	-5.1	19.6	29.2	137	285	149	60	866	152	310	23
97527	108.07	29.06	2150	11.3	683	473	2534	35	1651	4	-5.3	18.7	28	146	280	139	66	909	150	317	24
97530	107.92	29.06	2311	10.9	671	482	2391	41	1537	3.7	-5	18	27	149	280	139	69	873	132	318	24
97532	107.71	29.07	2234	11.7	575	434	2637	28	1809	4.3	-4.6	18.9	28.2	137	285	149	62	780	97	280	22
97534	107.61	29.07	2210	12.1	548	421	2744	23	1950	4.6	-4.2	19.3	28.7	130	287	157	60	714	87	268	21
97538	107.2	29.09	2115	13.4	494	391	3171	10	2378	5.7	-3.2	20.7	30	116	295	172	47	536	63	231	22
97549	108.58	28.99	2050	11.8	904	607	2631	21	1811	5	-3.8	18.6	27.8	137	288	156	58	712	210	417	28
97551	108.12	29.01	2300	10.6	784	541	2302	43	1448	3.7	-5	17.6	26.4	153	279	133	70	893	171	361	27
97552	108.07	29.01	2200	11.2	709	494	2475	36	1597	4	-5.2	18.4	27.6	148	280	138	66	899	152	331	25
97553	107.97	29.01	2198	11.4	652	465	2539	35	1665	4	-5.1	18.7	27.9	145	281	140	66	882	132	309	23
97569	107.71	28.98	2140	12.2	548	416	2794	23	1974	4.6	-4.4	19.5	29	131	287	157	60	743	91	268	20
97573	107.3	28.99	2079	13.4	480	384	3160	9	2346	5.7	-3.1	20.6	30.1	118	294	171	47	531	61	229	21
97581	106.48	29.02	2050	14.1	615	457	3387	4	2561	6.4	-3	21.3	30.2	109	296	178	41	497	94	251	34
97586	108.27	28.91	2350	10.3	918	627	2192	47	1369	3.7	-4.8	17	25.7	154	279	133	72	872	203	424	30

97587	108.22	28.91	2311	10.5	869	598	2267	44	1424	3.8	-4.9	17.3	26.2	153	279	132	71	882	189	403	29
97589	107.96	28.92	1990	12.6	566	411	2935	20	2042	4.9	-5.1	20.3	30	134	287	153	56	846	108	275	20
97590	107.86	28.93	1990	12.8	532	395	2988	18	2097	5	-4.9	20.4	30.2	132	288	156	55	803	95	261	19
97591	107.76	28.93	1960	13.1	501	380	3097	14	2217	5.3	-4.5	20.7	30.5	126	288	159	51	731	83	246	19
97597	107.14	28.95	2248	12.7	531	419	2932	15	2124	5.2	-3.6	19.7	29	122	289	160	53	597	70	250	22
97602	106.63	28.97	2340	12.7	645	496	2937	14	2115	5.3	-3.9	19.7	28.6	121	288	161	52	633	90	283	33
97603	106.58	28.97	2450	12.2	661	510	2769	20	1967	4.9	-4.3	19.1	27.9	125	286	159	58	681	92	292	34
97604	106.53	28.97	2360	12.6	656	507	2915	15	2100	5.2	-4	19.6	28.5	121	287	161	53	639	91	288	35
97609	108.32	28.87	2449	9.8	994	680	2045	55	1264	3.5	-4.7	16.3	24.7	156	279	135	76	867	218	458	33
97611	108.22	28.87	2041	12	737	518	2738	23	1871	4.7	-4.9	19.3	29	138	286	149	60	847	154	354	24
97613	107.96	28.88	1960	12.8	551	403	3011	18	2106	5	-5.1	20.6	30.4	132	287	155	54	842	102	270	19
97615	107.86	28.88	2020	12.6	546	405	2942	19	2062	4.9	-4.9	20.2	29.9	132	287	155	56	813	97	268	19
97616	107.7	28.89	2115	12.4	548	416	2847	21	2005	4.8	-4.4	19.7	29.3	131	287	158	58	735	91	269	20
97624	106.88	28.92	2218	13.1	559	437	3067	11	2221	5.6	-3.5	20.2	29.4	120	290	164	48	578	73	254	26
97625	106.58	28.92	2350	12.6	645	506	2922	14	2100	5.3	-4	19.6	28.5	121	287	161	52	640	85	289	34
97641	107.6	28.85	2155	12.3	546	419	2825	21	2003	4.8	-4.1	19.5	29	130	288	158	58	675	86	266	20
97653	102.57	28.94	2088	15.1	503	371	3725	1	3219	7.1	1	21.2	28	77	323	232	35	127	74	161	71
97660	108.21	28.78	2296	10.8	882	625	2339	37	1481	4	-4.9	17.6	26.7	152	281	135	68	867	179	426	29
97661	108.16	28.78	2130	11.7	765	548	2636	26	1748	4.6	-5	18.9	28.5	143	284	144	61	862	151	377	24
97664	107.8	28.79	2160	12	606	451	2725	25	1886	4.5	-4.9	19.2	28.8	136	287	153	61	819	107	297	21
97666	107.55	28.8	2232	11.9	567	436	2704	24	1895	4.6	-4.2	18.9	28.5	133	288	158	60	691	89	276	20
97668	107.44	28.81	2152	12.5	521	408	2893	17	2116	5	-3.7	19.6	29.2	123	290	160	55	591	76	252	19
97669	107.39	28.81	2370	11.5	591	455	2557	30	1794	4.2	-4.4	18.3	27.6	133	287	156	63	721	91	282	22
97680	108.82	28.71	1673	14.1	821	600	3385	0	2519	7.5	-1.6	20.8	30	115	301	185	33	407	158	422	22
97682	108.21	28.73	2124	11.8	805	580	2659	23	1789	4.7	-4.8	18.9	28.6	141	286	148	60	840	156	401	25
97685	107.75	28.75	2078	12.5	562	424	2886	19	1985	4.9	-4.7	19.8	29.6	134	286	156	56	783	94	277	19
97686	107.54	28.76	2211	12	565	434	2735	23	1912	4.6	-4.2	19	28.6	133	288	158	60	698	89	274	20
97688	107.39	28.76	2661	10	707	528	2117	58	1374	3.1	-5.4	16.6	25.4	147	279	138	76	872	121	328	28
97692	106.62	28.79	2435	12.2	625	504	2767	19	1956	4.9	-4.3	19	27.9	125	286	158	57	682	74	294	31
97693	106.57	28.79	2250	13.1	593	492	3059	11	2207	5.7	-3.7	20.1	29	119	289	160	48	608	60	285	30
97701	108.41	28.68	1820	13.4	784	570	3172	6	2261	6.3	-3.4	20.5	30.4	126	293	165	42	620	151	396	23
97703	108.31	28.69	2411	10.3	1004	711	2183	42	1372	3.9	-4.6	16.8	25.7	153	280	135	70	846	203	487	32
97705	108.21	28.69	2059	12.2	781	570	2800	18	1910	5.1	-4.7	19.4	29.3	138	288	154	56	818	146	396	24
97706	108.16	28.69	1904	13.2	667	489	3110	11	2125	5.7	-4.6	20.6	30.7	134	288	159	48	776	123	338	20
97707	108	28.7	1826	13.8	535	397	3326	9	2342	5.9	-4.8	21.6	31.7	128	289	160	45	782	94	270	17
97708	107.95	28.7	1790	14.1	511	380	3400	7	2404	6.1	-4.7	21.8	31.9	126	289	161	43	755	88	257	16
97709	107.9	28.7	1800	14	500	375	3391	7	2397	6.1	-4.7	21.8	31.9	126	289	161	43	756	84	252	16
97711	107.75	28.71	2176	11.9	612	460	2714	25	1875	4.6	-4.9	19.1	28.7	136	287	153	60	814	104	301	21
97712	107.7	28.71	1978	13.1	526	401	3096	13	2157	5.4	-4.5	20.5	30.4	130	288	158	50	744	84	260	18

97714	107.49	28.71	2114	12.6	527	412	2906	17	2052	5.1	-3.9	19.6	29.3	129	289	158	54	650	77	258	18
97715	107.44	28.72	2150	12.5	529	415	2872	17	2021	5	-3.9	19.5	29.1	129	288	159	55	645	76	258	19
97717	107.34	28.72	2380	11.4	593	459	2548	30	1775	4.2	-4.5	18.2	27.5	134	287	156	63	734	89	283	22
97718	107.29	28.72	2335	11.8	568	445	2646	25	1861	4.5	-4.3	18.6	27.9	131	288	158	61	705	81	272	22
97723	106.62	28.74	2310	12.8	590	487	2958	13	2126	5.4	-3.9	19.7	28.7	121	288	161	51	631	62	284	30
97738	108.36	28.64	2030	12.4	872	638	2835	14	1939	5.5	-4.1	19.3	29.3	136	289	159	51	734	162	447	26
97742	108.15	28.65	1938	13	698	515	3062	12	2107	5.6	-4.6	20.4	30.5	133	288	159	49	783	126	357	21
97743	108.1	28.65	2123	12	766	565	2726	22	1821	4.8	-5	19.1	29	142	287	149	59	854	138	390	24
97744	108.05	28.65	1992	12.8	660	489	2999	15	2049	5.3	-5	20.3	30.3	136	288	155	52	836	117	337	21
97745	107.9	28.66	1820	13.9	521	390	3358	8	2373	6	-4.7	21.6	31.7	126	289	161	44	760	88	262	17
97746	107.8	28.66	2164	12	631	472	2720	24	1837	4.6	-5	19.1	28.8	140	287	151	60	843	108	312	21
97747	107.74	28.66	2288	11.4	668	499	2526	31	1661	4.2	-5.1	18.3	27.7	144	283	142	64	849	116	326	23
97749	107.64	28.66	2070	12.6	553	422	2928	17	2017	5.1	-4.6	19.8	29.6	133	287	157	54	754	88	272	18
97750	107.39	28.67	2380	11.3	605	465	2515	32	1732	4.1	-4.7	18.1	27.4	136	286	151	64	765	94	288	22
97751	107.34	28.67	2455	11	624	479	2423	36	1647	3.9	-4.9	17.7	26.9	137	283	149	66	788	97	295	24
97760	106.62	28.7	2117	13.8	537	448	3283	5	2441	6.2	-3.1	20.9	29.9	112	294	172	42	523	51	261	26
97765	108.87	28.57	1707	13.8	900	666	3261	0	2407	7.4	-1.6	20.5	29.5	118	300	182	34	415	166	474	22
97767	108.46	28.59	1743	14	806	591	3355	1	2439	7	-2.7	20.9	30.9	122	298	173	37	528	152	410	23
97770	108.2	28.6	2517	10	1002	717	2084	49	1265	3.6	-4.9	16.3	25.2	157	279	135	74	876	197	486	33
97773	108.05	28.6	1954	13.1	656	489	3086	12	2112	5.6	-4.8	20.5	30.6	134	288	158	49	811	114	338	20
97778	107.69	28.62	2199	11.9	621	469	2683	25	1814	4.5	-5	18.9	28.5	139	286	151	61	829	104	305	21
97779	107.64	28.62	2100	12.4	571	435	2861	18	1955	5	-4.7	19.5	29.3	135	287	156	56	781	92	281	19
97780	107.33	28.63	2454	11	625	480	2420	36	1646	3.9	-5	17.7	26.9	137	283	147	66	800	97	296	24
97781	107.28	28.63	2314	11.8	569	446	2646	25	1851	4.5	-4.5	18.6	27.9	132	288	157	61	727	81	273	22
97794	108.71	28.53	1515	15.1	823	609	3743	0	2826	8.5	-0.8	21.8	31.1	106	305	196	26	321	153	422	22
97797	108.35	28.55	1877	13.4	833	617	3158	5	2223	6.4	-3.4	20.4	30.5	129	294	164	42	628	150	432	24
97800	108.15	28.56	2473	10.3	972	703	2173	43	1311	3.8	-5	16.7	25.8	157	279	135	71	881	185	477	32
97801	108.1	28.56	2511	10.1	954	689	2123	49	1297	3.6	-5.1	16.5	25.5	156	279	135	73	896	183	464	32
97802	108.05	28.56	2259	11.4	833	617	2526	27	1592	4.5	-5	18.2	28	151	283	140	62	872	148	423	26
97803	108	28.56	1990	12.9	666	498	3032	13	2035	5.5	-4.9	20.3	30.4	137	287	155	50	825	114	342	21
97804	107.95	28.56	2117	12.2	700	524	2791	20	1847	4.9	-5.1	19.4	29.3	143	287	149	58	865	120	357	23
97805	107.89	28.57	1860	13.7	567	425	3279	7	2258	6	-4.7	21.2	31.3	131	289	159	44	773	96	287	18
97807	107.69	28.57	2260	11.5	653	490	2577	29	1692	4.3	-5.2	18.5	28	144	284	142	63	856	111	318	22
97810	107.28	28.59	2342	11.6	580	453	2591	27	1775	4.4	-4.7	18.3	27.7	135	286	154	62	756	83	278	22
97818	108.35	28.5	1900	13.4	863	642	3154	5	2213	6.4	-3.4	20.3	30.5	129	294	164	42	624	153	450	25
97819	108.3	28.5	1987	12.9	879	659	3004	8	2047	6	-3.8	19.8	30.1	134	290	159	46	687	152	465	25
97820	108.25	28.51	2125	12.2	924	695	2760	15	1865	5.3	-4.3	19	29.3	139	289	157	54	762	156	490	27
97821	108.2	28.51	1837	13.8	743	555	3292	4	2333	6.5	-3.7	20.9	31.2	126	293	166	40	654	129	385	22
97822	108.15	28.51	2182	11.9	884	664	2670	19	1765	5	-4.7	18.7	28.8	143	287	150	58	820	150	464	27

97823	108.1	28.51	2397	10.7	928	681	2314	36	1442	4.1	-5	17.3	26.7	153	281	135	67	875	170	465	30
97824	108.05	28.51	2415	10.6	903	662	2285	38	1411	4	-5.1	17.2	26.6	154	280	135	68	890	166	448	30
97825	107.99	28.52	2060	12.6	718	540	2905	15	1949	5.3	-4.9	19.7	29.8	139	288	153	53	840	121	371	23
97826	107.94	28.52	2200	11.8	752	562	2651	23	1720	4.7	-5.1	18.7	28.6	146	285	143	60	875	130	382	24
97833	107.12	28.55	2240	12.3	533	428	2826	17	1966	5	-4.2	19.1	28.5	129	288	160	55	675	65	260	21
97842	108.45	28.45	1668	14.7	827	611	3589	0	2613	7.8	-1.8	21.5	31.5	117	300	184	31	426	153	420	23
97843	108.4	28.46	1892	13.5	896	670	3185	3	2265	6.7	-3	20.3	30.5	127	296	168	39	575	157	471	25
97844	108.25	28.46	2280	11.4	1000	747	2524	22	1634	4.8	-4.4	18	28	148	287	151	60	790	173	523	30
97845	108.15	28.47	1942	13.3	781	589	3134	7	2128	6.1	-4.1	20.4	30.7	134	290	160	44	719	131	411	23
97848	107.99	28.47	2230	11.7	814	609	2611	23	1675	4.7	-5	18.5	28.4	148	285	142	60	867	140	417	26
97849	107.94	28.47	2372	10.9	836	617	2382	34	1480	4.1	-5.3	17.6	27	153	281	134	66	904	150	414	28
97851	107.84	28.48	1979	13.1	615	463	3066	11	2055	5.6	-5	20.3	30.3	136	287	155	49	835	102	311	20
97852	107.79	28.48	1913	13.4	578	436	3181	8	2166	5.9	-4.8	20.7	30.7	132	288	158	46	798	95	289	20
97854	107.63	28.48	2306	11.3	667	501	2503	31	1604	4.2	-5.4	18.1	27.5	147	282	140	64	886	114	322	23
97855	107.58	28.49	2176	12	608	463	2713	22	1798	4.7	-5.1	18.9	28.5	141	286	148	59	845	98	296	20
97856	107.53	28.49	2175	12	598	457	2719	22	1831	4.7	-5	18.9	28.5	138	286	152	59	825	95	289	20
97861	107.02	28.5	2440	11.5	588	467	2561	28	1759	4.3	-4.8	18.2	27.3	133	285	155	62	750	77	281	26
97863	108.55	28.4	1739	14.3	907	673	3446	0	2525	7.6	-1.8	20.9	30.8	118	301	183	32	426	165	469	24
97864	108.45	28.41	1636	15	835	616	3701	0	2731	8.1	-1.5	21.8	31.7	111	301	190	29	385	155	421	24
97865	108.4	28.41	2045	12.8	992	747	2960	7	2032	6.1	-3.3	19.5	29.8	134	293	163	45	629	168	530	27
97867	108.25	28.42	2217	11.9	1005	762	2657	17	1752	5.2	-4.2	18.5	28.8	143	288	154	55	759	165	538	30
97868	108.19	28.42	1965	13.2	851	645	3105	6	2120	6.2	-3.8	20.1	30.7	134	292	161	43	682	141	453	25
97869	108.14	28.42	2055	12.7	868	662	2944	10	1978	5.7	-4.2	19.6	30.1	137	289	158	49	750	140	465	26
97871	107.99	28.43	2390	10.9	882	651	2362	33	1440	4.1	-5.2	17.4	27	155	281	135	66	892	159	439	30
97873	107.89	28.43	2310	11.2	792	587	2482	30	1544	4.3	-5.3	18	27.6	152	281	135	64	899	141	393	26
97877	107.63	28.44	2477	10.5	735	543	2254	45	1387	3.5	-5.7	17.1	26.2	154	279	136	71	931	133	346	26
97879	107.53	28.44	2193	11.9	609	465	2675	23	1756	4.6	-5.2	18.7	28.3	142	285	146	60	850	97	294	21
97881	107.33	28.45	2125	12.4	553	436	2841	16	1934	5.1	-4.6	19.2	28.7	134	288	158	54	753	73	269	20
97887	108.96	28.34	1820	13.7	1018	757	3220	0	2393	7.6	-1.2	20.2	29.2	117	302	188	33	381	184	543	23
97888	108.91	28.34	1706	13.9	988	743	3321	0	2477	7.8	-1.1	20.6	29.5	114	302	188	31	366	173	532	22
97889	108.6	28.36	1723	14.4	931	691	3500	0	2554	7.9	-1.4	21	30.8	118	302	189	30	387	170	481	24
97890	108.55	28.36	1720	14.5	913	677	3530	0	2575	7.9	-1.5	21.2	31	118	302	188	30	394	167	470	24
97891	108.45	28.36	2259	11.8	1093	813	2640	13	1780	5.5	-3.5	18.3	28.2	140	291	153	52	669	192	574	31
97892	108.4	28.37	2159	12.3	1056	797	2806	10	1909	5.8	-3.4	18.9	29.2	137	292	158	48	650	177	566	29
97899	107.99	28.38	2230	11.8	841	631	2642	20	1682	4.9	-4.9	18.5	28.5	149	286	147	58	854	143	431	28
97900	107.94	28.38	2080	12.6	738	554	2899	13	1901	5.4	-4.8	19.5	29.6	142	288	152	51	837	125	378	24
97901	107.89	28.38	2036	12.8	688	516	2970	11	1941	5.6	-4.9	19.8	29.8	141	287	153	49	842	117	348	24
97902	107.83	28.39	1852	13.8	606	455	3299	4	2227	6.4	-4.3	21	30.9	132	289	161	41	741	101	303	20
97903	107.78	28.39	2070	12.5	652	489	2886	15	1888	5.3	-5.1	19.5	29.4	142	287	149	53	867	110	324	22

97904	107.68	28.39	2127	12.2	639	481	2771	19	1800	5	-5.2	19.1	28.8	144	286	146	56	873	107	312	22
97905	107.63	28.39	2336	11.1	692	515	2438	35	1529	4	-5.6	17.8	27.2	151	281	136	66	917	122	329	24
97906	107.58	28.4	2280	11.4	657	494	2525	30	1596	4.2	-5.5	18.2	27.6	149	282	140	63	900	111	313	23
97907	107.43	28.4	2146	12.1	583	451	2752	20	1866	4.9	-5	19	28.5	136	287	152	58	818	86	281	20
97918	108.85	28.3	1645	14.4	981	737	3474	0	2613	8.2	-0.7	21	30	110	304	195	28	327	173	523	22
97920	108.44	28.32	1760	14.6	906	674	3546	0	2577	7.8	-1.6	21.2	31.3	118	301	186	31	407	163	466	25
97924	108.14	28.33	2470	10.7	1003	736	2290	33	1422	4.2	-4.8	17	26.5	154	283	143	66	841	184	502	32
97926	108.04	28.33	2269	11.7	900	674	2593	20	1648	4.9	-4.7	18.2	28.3	150	287	148	59	828	154	464	28
97927	107.99	28.34	2155	12.2	823	620	2781	15	1815	5.3	-4.7	19	29.1	144	288	152	53	821	138	425	26
97928	107.93	28.34	2133	12.3	776	582	2811	15	1832	5.3	-4.8	19.1	29.1	144	288	151	53	841	132	395	26
97930	107.83	28.34	1980	13.1	650	486	3059	9	2026	5.8	-4.8	20.1	30	138	288	155	47	831	110	324	23
97933	107.58	28.35	2250	11.5	652	490	2556	27	1610	4.4	-5.5	18.3	27.7	149	282	139	62	901	110	310	24
97935	107.32	28.36	2480	10.7	651	495	2310	42	1467	3.6	-5.7	17.3	26.4	148	280	141	69	892	105	304	26
97936	107.07	28.37	2365	11.6	572	455	2598	26	1766	4.4	-4.9	18.3	27.5	135	286	154	61	761	74	275	25
97939	106.56	28.38	1912	14.8	492	414	3641	1	2802	7.1	-2.5	22.1	31.3	102	299	187	35	425	42	244	21
97940	109.05	28.25	1635	14.7	996	744	3595	0	2771	8.7	0	21.2	29.9	101	309	205	25	261	178	534	21
97944	108.7	28.26	1690	14.8	975	723	3619	0	2705	8.4	-0.6	21.3	30.8	110	306	199	27	312	179	504	24
97947	108.34	28.28	1886	14.1	930	701	3375	0	2442	7.3	-2.3	20.7	31	122	300	179	34	492	158	490	25
97950	108.19	28.28	2290	11.8	1023	771	2618	16	1701	5.2	-4.1	18.1	28.4	146	289	155	55	751	172	539	30
97951	108.14	28.28	2382	11.2	997	740	2453	23	1555	4.7	-4.5	17.6	27.4	151	286	146	61	803	176	509	31
97952	108.09	28.29	2407	11	970	716	2401	26	1494	4.5	-4.7	17.4	27.1	153	284	143	63	833	174	488	31
97953	108.03	28.29	2295	11.6	912	681	2565	20	1628	4.9	-4.7	18	28	150	287	149	59	822	158	466	29
97954	107.98	28.29	2200	12.1	848	636	2718	15	1747	5.2	-4.6	18.6	28.7	146	287	152	54	818	145	434	28
97957	107.83	28.3	2270	11.5	774	572	2553	24	1578	4.6	-5.2	18.1	27.8	152	282	135	61	900	139	377	27
97958	107.78	28.3	2360	11	775	570	2399	33	1450	4.1	-5.5	17.6	27	156	281	134	66	930	142	371	28
97959	107.73	28.3	2305	11.2	734	541	2479	30	1512	4.3	-5.5	17.9	27.4	154	281	134	64	927	133	350	26
97960	107.68	28.3	2356	10.9	727	536	2393	35	1439	4	-5.7	17.6	27	156	280	135	66	948	132	343	26
97961	107.63	28.3	2440	10.6	736	541	2281	44	1388	3.6	-5.9	17.2	26.4	155	279	134	70	961	135	342	28
97962	107.58	28.3	2300	11.2	674	502	2469	33	1533	4.1	-5.7	18	27.3	152	281	136	65	932	118	317	24
97964	107.32	28.31	2200	11.8	582	452	2664	23	1801	4.6	-5.1	18.6	27.9	136	286	146	60	821	84	278	22
97967	106.96	28.32	2210	12.5	520	425	2877	15	2006	5.2	-4.1	19.2	28.5	127	288	161	53	659	56	257	23
97969	108.8	28.21	1600	15.2	986	731	3786	0	2909	9	0.1	21.7	30.9	100	310	203	23	247	182	509	24
97970	108.64	28.22	1594	15.6	950	698	3913	0	3000	9.1	0.1	22.2	31.7	100	310	204	22	242	181	477	24
97971	108.44	28.23	1835	14.5	953	713	3537	0	2563	7.9	-1.5	21.1	31.2	119	302	189	30	398	168	496	25
97975	108.24	28.24	2230	12.3	1051	800	2773	10	1835	5.7	-3.6	18.6	29.1	141	291	156	49	681	170	564	30
97976	108.19	28.24	2174	12.5	1020	780	2855	8	1900	5.9	-3.7	18.9	29.6	139	291	158	47	686	162	549	30
97978	108.08	28.24	2245	12	948	713	2693	14	1740	5.3	-4.2	18.4	28.6	146	289	154	53	762	160	492	29
97980	107.98	28.25	2475	10.7	925	673	2291	34	1385	4.1	-5.2	17	26.4	156	281	135	66	889	174	449	31
97981	107.93	28.25	2370	11.1	868	636	2427	27	1479	4.4	-5.1	17.5	27.2	155	283	138	63	880	160	424	29

97982	107.88	28.25	2271	11.6	810	596	2573	21	1587	4.8	-5	18.1	27.8	153	284	139	59	872	147	395	28
97983	107.83	28.25	2280	11.5	781	575	2539	24	1560	4.6	-5.2	18	27.6	153	283	134	61	892	142	378	27
97984	107.78	28.25	2390	10.8	790	577	2358	36	1437	4	-5.6	17.4	26.8	155	281	135	67	941	148	374	28
97985	107.73	28.25	2410	10.7	772	564	2320	38	1414	3.8	-5.8	17.3	26.6	155	280	136	68	958	145	361	28
97987	107.62	28.26	2358	10.9	713	525	2381	37	1445	3.9	-5.8	17.6	26.9	155	280	135	67	957	130	332	26
97988	107.57	28.26	2600	9.9	772	562	2089	59	1305	3.1	-6.3	16.5	25.4	153	278	134	76	984	146	352	30
97990	107.42	28.27	2124	12	596	457	2725	19	1819	4.9	-5.1	18.9	28.2	138	286	148	58	837	91	283	22
97993	107.22	28.27	2300	11.5	587	456	2558	28	1728	4.3	-5.2	18.3	27.4	136	284	145	62	818	85	278	24
97996	108.74	28.17	1760	14.9	1012	753	3659	0	2740	8.6	-0.3	21.3	30.8	109	308	206	25	283	183	528	24
97999	108.34	28.19	2449	11.3	1101	808	2466	19	1601	5	-3.8	17.5	27.2	148	290	154	58	709	202	559	33
98001	108.18	28.19	2060	13.3	968	738	3104	3	2110	6.6	-3.1	19.7	30.2	135	296	167	40	604	156	516	28
98006	107.93	28.2	2480	10.6	898	651	2272	36	1367	4	-5.3	16.9	26.3	156	280	135	67	901	171	429	31
98010	107.72	28.21	2384	10.8	768	559	2349	36	1427	3.9	-5.7	17.4	26.7	155	280	134	67	954	146	357	28
98012	107.62	28.21	2681	9.6	816	589	1998	66	1215	2.9	-6.4	16.1	24.9	156	277	133	79	993	158	370	32
98014	107.52	28.22	2219	11.5	646	482	2555	27	1587	4.4	-5.5	18.3	27.5	150	281	137	62	913	111	300	24
98015	107.42	28.22	2211	11.5	617	467	2576	27	1629	4.4	-5.4	18.4	27.6	147	282	140	62	881	100	288	24
98024	108.28	28.14	1964	14.1	969	732	3373	0	2446	7.4	-2	20.5	30.8	122	302	183	34	467	162	509	27
98025	108.18	28.15	2219	12.5	1008	759	2841	7	1892	6	-3.4	18.7	29	139	292	160	46	654	170	528	29
98026	108.13	28.15	2300	12	990	736	2674	13	1729	5.4	-3.9	18.2	28.2	146	290	154	53	717	174	505	31
98027	108.08	28.15	2333	11.7	962	710	2592	16	1672	5.2	-4.2	17.9	27.8	148	290	154	55	761	174	483	31
98028	108.03	28.15	2299	11.8	922	679	2620	15	1669	5.2	-4.3	18	27.9	149	289	153	55	774	167	459	30
98029	107.98	28.15	2465	10.8	925	669	2338	30	1423	4.3	-5	17.1	26.5	156	284	142	65	862	178	444	31
98030	107.93	28.16	2450	10.8	896	647	2333	31	1411	4.2	-5.2	17.1	26.5	156	282	137	65	886	173	426	31
98031	107.88	28.16	2415	10.9	857	620	2359	31	1436	4.2	-5.3	17.2	26.7	155	282	134	65	901	165	405	31
98032	107.82	28.16	2383	11	820	593	2388	31	1448	4.2	-5.4	17.4	26.8	155	281	134	65	916	158	384	29
98035	107.67	28.17	2594	9.9	811	584	2090	57	1303	3.1	-6.2	16.4	25.4	153	278	133	76	989	159	368	32
98037	107.57	28.17	2593	9.9	772	559	2086	60	1302	3	-6.4	16.4	25.4	153	278	134	76	994	149	348	30
98041	107.37	28.18	2321	11.1	632	476	2424	35	1527	4	-5.7	17.8	26.9	149	281	139	65	913	105	291	25
98043	107.21	28.18	2285	11.4	587	454	2533	28	1687	4.3	-5.3	18.2	27.2	138	283	143	62	833	87	276	24
98054	108.23	28.1	2025	13.8	969	729	3273	0	2340	7.2	-2.3	20.1	30.4	126	302	180	35	500	164	505	27
98058	107.98	28.11	2490	10.8	932	671	2315	31	1410	4.3	-5	17	26.4	156	284	142	65	864	181	443	32
98062	107.72	28.12	2464	10.4	797	572	2234	44	1348	3.6	-5.9	16.9	26.1	157	280	134	70	976	157	362	30
98064	107.62	28.12	2427	10.5	744	538	2258	46	1356	3.5	-6.2	17.1	26.3	157	279	134	70	1005	145	336	28
98065	107.57	28.12	2639	9.7	788	568	2042	64	1280	2.9	-6.5	16.2	25.1	152	277	134	78	997	154	353	32
98067	107.47	28.13	2281	11.1	654	484	2435	34	1482	4	-5.8	17.9	27	154	280	135	65	949	116	297	26
98078	108.99	28.02	1720	15.7	1032	764	3942	0	3134	9.6	1.1	22	31.1	90	316	210	21	175	190	540	23
98080	108.18	28.06	2390	11.8	1024	750	2608	13	1693	5.4	-3.7	17.8	27.6	146	291	154	53	692	189	510	32
98081	108.13	28.06	2019	13.8	914	680	3262	0	2291	7.2	-2.4	20	30.1	129	301	178	35	519	160	463	26
98082	108.07	28.06	2050	13.5	891	660	3166	1	2179	6.9	-2.7	19.7	29.7	132	298	172	38	565	158	447	26

98083	108.02	28.06	2357	11.6	932	675	2561	16	1634	5.1	-4.2	17.7	27.4	149	289	150	56	762	178	451	30
98084	107.97	28.06	2435	11.1	920	660	2411	24	1491	4.6	-4.7	17.2	26.7	154	286	144	62	830	181	435	31
98089	107.62	28.08	1647	14.7	621	470	3597	0	2592	7.7	-2.2	21.4	30.8	118	300	181	32	470	99	295	19
98093	107.41	28.08	2407	10.6	672	495	2281	45	1396	3.5	-6.2	17.3	26.3	154	279	135	70	976	122	302	27
98094	107.36	28.09	2385	10.7	653	485	2320	42	1445	3.6	-6	17.5	26.4	152	280	136	68	947	115	295	27
98097	107.21	28.09	2238	11.5	587	452	2559	26	1705	4.4	-5.2	18.4	27.2	138	284	144	61	826	88	274	24
98100	106.9	28.1	2150	12.6	530	429	2892	14	2040	5.3	-4.2	19.5	28.5	125	289	160	52	652	61	259	23
98102	106.8	28.1	1986	13.5	516	422	3193	5	2314	6.2	-3.4	20.5	29.6	120	295	169	43	540	55	254	21
98111	108.07	28.02	2280	12.2	948	689	2765	8	1797	5.8	-3.5	18.3	28	144	292	155	48	668	179	462	30
98122	107.41	28.04	2613	9.9	733	533	2080	61	1292	3	-6.6	16.5	25.3	153	278	135	76	985	139	325	31
98123	107.36	28.04	2531	10.2	693	509	2166	55	1334	3.2	-6.4	16.8	25.7	154	279	135	73	971	127	310	29
98124	107.31	28.04	2362	10.8	637	475	2350	39	1470	3.8	-5.9	17.6	26.5	151	281	137	67	926	110	288	26
98126	107.21	28.05	2324	11.1	607	462	2444	33	1564	4.1	-5.5	17.9	26.8	145	281	142	64	865	96	279	26
98129	106.9	28.06	2200	12.3	539	434	2812	16	1950	5.1	-4.4	19.2	28.2	129	288	160	54	678	64	262	24
98131	106.65	28.06	2170	13.2	529	436	3099	8	2231	5.8	-3.9	20.1	29.4	120	291	164	46	582	56	260	25
98134	108.27	27.96	1800	15.7	918	679	3937	0	2928	9.1	-0.1	22.1	31.8	108	309	200	22	267	166	457	24
98135	108.22	27.96	2230	13	1015	746	3015	2	2085	6.7	-2.5	19.1	29	134	300	175	39	534	185	510	29
98138	107.87	27.98	2030	13.2	780	560	3058	3	2048	6.6	-3.1	19.2	28.7	137	296	167	40	620	150	362	25
98143	107.61	27.99	2536	10	782	555	2122	55	1297	3.2	-6.4	16.5	25.6	156	279	133	74	1014	160	342	32
98144	107.56	27.99	2581	9.9	777	553	2085	60	1286	3	-6.5	16.4	25.3	155	279	134	76	1005	157	340	32
98145	107.51	27.99	2535	10	743	532	2122	58	1313	3.1	-6.5	16.6	25.6	154	278	133	75	1012	148	326	30
98148	107.31	28	2452	10.4	662	490	2249	48	1401	3.4	-6.2	17.2	26.1	152	279	137	71	951	118	296	28
98149	107.26	28	2450	10.5	650	485	2274	45	1422	3.5	-6.1	17.3	26.1	151	280	137	70	924	112	293	28
98150	107.21	28	2234	11.4	593	452	2534	27	1686	4.4	-5.2	18.3	27.1	138	283	143	62	830	93	274	24
98153	106.95	28.01	2194	12.2	548	437	2769	17	1916	5	-4.5	19.1	27.9	130	288	159	55	700	69	264	24
98155	106.85	28.01	1962	13.4	530	428	3169	5	2294	6.2	-3.3	20.5	29.3	120	295	169	43	540	61	257	22
98158	107.92	27.93	2299	11.8	861	607	2628	13	1668	5.4	-4	17.8	27.2	149	290	153	53	738	177	392	30
98166	107.25	27.95	2392	10.7	638	476	2326	40	1459	3.7	-5.9	17.5	26.3	150	280	138	68	915	110	287	28
98167	107.2	27.96	2234	11.4	597	454	2530	27	1683	4.4	-5.2	18.3	27	138	283	143	62	830	94	275	24
98168	107.15	27.96	2006	12.4	565	440	2841	12	1980	5.5	-4	19.4	27.9	127	289	160	50	670	79	268	22
98170	107	27.96	2170	12.1	557	440	2743	17	1879	5	-4.5	19	27.8	132	288	159	56	709	74	266	24
98171	106.9	27.96	1949	13.3	536	431	3122	5	2265	6.2	-3.3	20.4	29.1	120	295	168	43	547	63	261	21
98172	106.85	27.97	1919	13.7	536	432	3235	4	2374	6.4	-3.1	20.7	29.5	117	297	173	41	515	63	260	21
98174	108.32	27.87	1810	16.2	944	697	4114	0	3129	9.6	0.7	22.6	32.1	100	312	203	21	203	171	469	24
98175	108.17	27.88	2165	13.5	974	708	3180	0	2237	7.2	-2	19.6	29.2	130	303	185	35	472	183	477	27
98179	107.76	27.89	2376	10.9	800	555	2350	31	1415	4.2	-5.2	17.1	26.3	156	281	135	65	902	172	346	30
98180	107.71	27.89	2414	10.6	787	548	2267	40	1364	3.8	-5.6	16.9	26.1	157	280	134	69	956	168	338	31
98181	107.61	27.9	2473	10.2	764	536	2166	52	1311	3.3	-6.2	16.7	25.8	157	279	132	73	1012	161	328	30
98184	107.46	27.9	2465	10.2	710	508	2174	53	1324	3.3	-6.3	16.8	25.8	156	279	134	73	1000	141	307	30

98187	107.25	27.91	2352	10.8	631	470	2356	38	1496	3.8	-5.7	17.6	26.4	148	281	139	67	900	108	284	26
98188	107.2	27.91	2270	11.2	606	459	2478	30	1587	4.2	-5.3	18.1	26.8	145	282	142	63	842	98	277	26
98189	107.15	27.91	2070	12.2	574	444	2758	16	1872	5.2	-4.3	19.1	27.7	134	289	159	54	712	83	269	23
98192	106.9	27.92	2100	12.7	544	435	2927	11	2065	5.5	-4	19.6	28.5	125	290	160	49	631	67	263	23
98194	108.62	27.82	1760	17.5	993	733	4560	0	3679	10.8	2.3	24	33.2	83	324	223	17	101	182	503	23
98198	108.12	27.83	2085	14	940	680	3328	0	2366	7.6	-1.6	20	29.5	126	304	191	32	433	178	452	27
98201	107.76	27.85	2413	10.7	813	561	2310	33	1396	4.1	-5.2	17	26.2	156	281	136	66	904	177	349	30
98204	107.61	27.85	2246	11	709	493	2399	32	1460	4.2	-5.2	17.5	26.6	155	281	132	65	914	150	299	28
98205	107.56	27.85	2317	10.6	705	493	2292	41	1396	3.7	-5.7	17.2	26.2	156	280	135	69	974	148	297	29
98207	107.4	27.86	2504	10.1	709	509	2156	54	1308	3.2	-6.3	16.7	25.6	156	279	135	73	977	139	308	30
98220	108.01	27.79	1952	14.3	886	641	3467	0	2507	8	-1.2	20.3	29.8	119	304	194	30	398	167	417	25
98221	107.96	27.79	1896	14.4	859	622	3497	0	2529	8	-1.2	20.4	29.8	119	304	193	30	398	161	402	23
98226	107.6	27.81	2330	10.6	723	496	2270	41	1381	3.7	-5.5	17	26.1	156	280	135	69	957	158	299	29
98228	107.45	27.81	2517	10.1	729	518	2135	55	1299	3.2	-6.3	16.6	25.5	156	279	135	74	984	147	315	30
98231	107.3	27.82	2367	10.7	653	479	2311	39	1442	3.8	-5.8	17.4	26.2	152	281	138	67	919	119	289	28
98232	107.25	27.82	2400	10.7	646	477	2306	40	1447	3.7	-5.8	17.4	26.2	150	280	137	68	909	115	288	28
98234	107.15	27.82	2009	12.4	582	450	2842	11	1977	5.6	-3.9	19.3	27.9	128	290	159	50	660	85	274	23
98237	106.94	27.83	2430	11.2	599	465	2466	31	1670	4.1	-5.4	17.9	26.8	135	283	147	63	803	88	280	28
98238	106.89	27.83	1875	13.7	550	440	3261	3	2391	6.6	-2.9	20.7	29.4	117	298	175	39	497	67	267	21
98240	108.57	27.72	1840	17.6	996	738	4596	0	3702	10.9	2.5	24	33.3	83	324	224	17	93	179	507	22
98241	108.47	27.73	1839	17.4	981	727	4522	0	3619	10.7	2.2	23.8	33.1	86	323	226	17	111	176	496	22
98242	108.42	27.73	1754	17.7	955	707	4656	0	3759	11	2.5	24.2	33.4	83	325	225	17	95	172	477	21
98245	107.91	27.75	2139	12.9	860	604	2977	3	2007	6.6	-2.6	18.8	28.1	137	297	170	40	571	176	386	27
98247	107.81	27.75	2393	11.1	841	579	2405	25	1493	4.5	-4.6	17.2	26.5	154	286	143	62	825	182	363	30
98251	107.6	27.76	2362	10.5	734	501	2240	43	1366	3.7	-5.5	16.9	26	156	280	136	70	949	163	303	29
98252	107.55	27.76	2256	10.9	702	486	2367	34	1437	4.1	-5.1	17.4	26.4	155	280	133	66	902	149	293	28
98255	107.35	27.77	2514	10.2	704	508	2169	51	1334	3.3	-6.2	16.8	25.6	154	279	135	73	954	136	308	30
98256	107.3	27.77	2443	10.5	675	491	2247	44	1380	3.6	-6	17.1	25.9	153	279	135	69	934	126	297	29
98257	107.25	27.77	2178	11.5	617	462	2554	23	1675	4.7	-4.8	18.3	27	142	286	148	60	802	103	280	25
98258	107.2	27.77	2315	11.1	626	468	2425	32	1548	4.1	-5.4	17.8	26.6	146	282	141	64	854	106	283	27
98261	107.04	27.78	2242	11.7	586	453	2606	22	1761	4.7	-4.9	18.5	27.3	136	287	153	59	763	87	275	25
98262	106.99	27.78	2340	11.4	592	458	2529	26	1708	4.4	-5.2	18.2	27	136	285	150	62	790	88	277	27
98263	106.94	27.78	2535	10.8	625	480	2346	37	1564	3.8	-5.8	17.4	26.2	138	281	144	66	844	96	289	30
98264	106.89	27.78	2400	11.5	590	460	2546	26	1726	4.4	-5.2	18.2	27.1	135	285	153	61	774	85	277	28
98266	108.57	27.68	1682	19	953	706	5106	0	4498	12.2	3.9	25.6	34.6	53	339	282	14	42	172	481	21
98268	108.31	27.69	1994	15.9	1002	735	3995	0	2965	9.4	0.6	22	31.5	108	312	201	21	215	183	496	24
98272	108.11	27.7	2305	13	988	703	2996	2	2077	6.7	-2.4	18.9	28.4	134	301	176	39	524	196	464	29
98277	107.7	27.71	2360	10.8	786	535	2337	31	1429	4.2	-4.9	17.1	26.3	155	282	134	65	871	174	328	30
98280	107.5	27.72	2267	10.9	695	487	2366	33	1437	4.1	-5.2	17.4	26.4	155	281	134	65	892	143	295	27

98281	107.45	27.72	2217	11.2	678	484	2442	28	1536	4.4	-5	17.7	26.6	150	283	136	63	858	132	293	27
98282	107.4	27.72	2495	10.2	717	511	2175	50	1315	3.4	-6.1	16.7	25.7	156	279	135	72	954	143	310	30
98283	107.35	27.72	2575	10.1	726	522	2125	54	1317	3.2	-6.3	16.6	25.4	153	279	135	74	952	141	317	31
98284	107.3	27.73	2444	10.5	679	494	2250	44	1383	3.6	-5.9	17.1	25.9	153	279	135	69	923	127	299	29
98285	107.19	27.73	2090	12	606	460	2706	15	1822	5.2	-4.3	18.7	27.4	136	289	157	54	722	96	281	23
98287	107.09	27.73	2020	12.5	584	453	2863	11	1975	5.6	-3.8	19.3	27.9	129	290	159	49	644	84	277	23
98289	106.99	27.74	2290	11.6	589	456	2592	23	1752	4.6	-5	18.4	27.2	136	287	153	60	764	87	276	27
98290	106.94	27.74	2580	10.6	638	488	2294	40	1511	3.7	-5.9	17.2	26	140	280	143	68	857	101	294	30
98292	106.84	27.74	2200	12.5	558	442	2858	14	2009	5.3	-4.3	19.3	28.2	126	289	160	52	659	74	268	25
98294	106.74	27.74	2105	13.3	542	436	3112	6	2251	6	-3.7	20.1	29.2	120	293	167	44	567	66	264	24
98295	108.61	27.63	1839	18.3	992	735	4855	0	4145	11.6	3.3	24.8	33.9	65	333	264	15	60	178	508	21
98304	107.9	27.66	2195	12.7	885	621	2911	4	1955	6.4	-2.8	18.6	28	139	297	169	42	590	182	397	27
98305	107.85	27.66	2360	11.6	876	607	2564	15	1632	5.2	-4	17.6	27	149	289	151	55	739	187	384	30
98310	107.6	27.67	2394	10.6	761	523	2270	37	1378	3.9	-5.3	16.9	26.1	156	281	136	68	912	165	319	30
98312	107.5	27.67	2373	10.6	723	506	2269	39	1401	3.8	-5.5	17	26.1	154	281	136	69	926	150	307	29
98313	107.45	27.68	2292	10.9	694	492	2356	33	1442	4.1	-5.2	17.4	26.4	154	281	134	65	886	138	299	27
98314	107.4	27.68	2308	10.9	679	488	2356	33	1448	4.1	-5.3	17.4	26.3	153	281	134	65	889	131	296	27
98315	107.34	27.68	2427	10.5	692	499	2259	41	1393	3.7	-5.8	17	26	153	280	136	69	921	133	303	29
98317	107.24	27.68	2335	11	647	478	2386	33	1507	4.1	-5.4	17.6	26.4	148	281	139	65	864	115	290	27
98319	107.14	27.69	2170	11.8	605	461	2631	19	1781	4.9	-4.6	18.5	27.2	136	288	154	58	753	95	281	25
98334	107.95	27.61	1841	14.9	926	676	3659	0	2615	8.7	-0.4	20.7	30.1	120	307	201	25	315	168	433	22
98335	107.9	27.61	2020	13.7	898	643	3243	0	2293	7.4	-1.7	19.6	29	128	303	185	34	458	173	410	25
98336	107.85	27.62	2133	12.9	873	615	2960	3	2000	6.5	-2.7	18.8	28.2	137	297	169	41	579	176	390	27
98337	107.8	27.62	2369	11.5	863	597	2518	19	1606	5	-4.2	17.5	26.9	149	288	147	58	765	184	375	30
98338	107.75	27.62	2160	12.2	820	574	2766	9	1793	5.8	-3.4	18.3	27.6	144	291	153	48	670	168	358	27
98340	107.65	27.62	2327	11	780	536	2395	28	1473	4.4	-4.7	17.3	26.5	154	283	135	63	842	168	329	29
98341	107.55	27.63	2261	11.1	733	513	2428	27	1513	4.5	-4.8	17.5	26.6	152	283	135	62	846	151	313	28
98342	107.5	27.63	2370	10.7	731	514	2296	36	1399	4	-5.4	17.1	26.2	155	281	135	67	901	150	313	29
98343	107.39	27.63	2224	11.3	680	492	2473	25	1553	4.6	-4.8	17.8	26.7	150	284	139	61	827	128	299	27
98344	107.34	27.63	2157	11.6	660	485	2568	20	1656	4.9	-4.5	18.1	27	146	288	150	58	782	117	297	25
98345	107.29	27.64	2137	11.7	644	480	2610	18	1711	5	-4.5	18.3	27.1	142	288	152	57	762	110	293	25
98346	107.24	27.64	2100	11.9	628	474	2675	16	1797	5.2	-4.3	18.5	27.3	137	289	156	54	729	102	290	25
98347	107.19	27.64	2019	12.4	614	471	2816	11	1915	5.6	-3.8	19	27.7	133	291	159	49	661	93	289	23
98348	107.14	27.64	2010	12.5	603	465	2854	10	1953	5.7	-3.8	19.1	27.8	131	291	159	48	645	89	286	23
98350	106.89	27.65	2245	12.1	574	451	2751	17	1921	5.1	-4.5	18.9	27.8	129	289	159	54	694	80	274	26
98355	108.1	27.56	2072	14.7	988	714	3588	0	2580	8.4	-0.7	20.6	30.1	120	307	202	27	333	186	470	24
98357	108	27.57	2073	14.1	956	686	3371	0	2426	7.8	-1.3	19.9	29.4	123	305	194	31	409	183	445	25
98359	107.9	27.57	1958	14.1	919	664	3380	0	2445	7.9	-1.3	20	29.3	121	304	192	30	410	172	424	24
98361	107.7	27.58	2255	11.7	811	565	2587	16	1651	5.2	-4	17.8	27.1	149	289	149	55	754	169	351	28

98362	107.65	27.58	2152	12	786	555	2689	13	1741	5.5	-3.7	18.2	27.4	145	290	155	51	711	157	344	26
98364	107.54	27.58	2262	11.2	748	526	2459	24	1545	4.6	-4.6	17.5	26.7	152	286	141	61	822	152	322	28
98368	107.24	27.59	2068	12.1	634	480	2727	13	1817	5.4	-4	18.6	27.4	137	289	158	51	697	102	295	24
98369	107.19	27.59	2112	12	622	473	2688	15	1811	5.2	-4.3	18.5	27.4	136	289	156	54	722	99	290	25
98370	107.09	27.6	2075	12.3	598	463	2805	12	1891	5.5	-4	18.9	27.7	134	290	161	50	669	88	284	24
98371	107.04	27.6	2090	12.4	589	458	2821	12	1933	5.5	-4	19	27.8	131	290	160	50	661	85	281	24
98373	108.66	27.49	1690	20.4	943	704	5606	0	5327	13.4	5.4	27.1	35.9	20	352	338	12	13	165	487	19
98376	108.1	27.52	1929	15.6	1001	731	3898	0	2865	9.3	0.4	21.5	30.9	111	311	200	21	242	182	479	22
98382	107.59	27.53	2530	10.6	829	580	2253	36	1347	4	-5.4	16.7	26	156	280	136	67	885	173	361	31
98383	107.54	27.54	2430	10.8	786	553	2319	32	1403	4.2	-5.2	17	26.2	155	281	136	65	873	161	341	30
98384	107.49	27.54	2362	10.9	754	534	2363	30	1431	4.3	-5.1	17.2	26.4	155	282	135	64	865	151	328	29
98387	107.29	27.54	2290	11.2	674	496	2442	26	1533	4.5	-5	17.6	26.6	149	283	139	62	830	121	304	27
98388	107.24	27.55	2308	11.2	662	491	2436	27	1531	4.4	-5.1	17.6	26.6	148	282	140	62	836	116	301	27
98389	107.18	27.55	2171	11.8	632	478	2623	18	1743	5	-4.5	18.3	27.1	139	288	153	56	748	102	294	25
98390	107.14	27.55	2010	12.5	614	474	2863	9	1923	5.8	-3.7	19	27.8	134	291	159	47	636	91	293	23
98391	107.09	27.55	2110	12.2	603	466	2760	13	1854	5.4	-4.1	18.8	27.6	135	289	159	51	688	90	287	24
98395	108.05	27.47	1855	15.7	1015	745	3913	0	2881	9.5	0.6	21.4	30.8	111	312	199	22	231	181	483	22
98396	108	27.47	2108	14.1	986	709	3381	0	2406	7.8	-1.4	20	29.6	125	304	192	31	412	188	461	25
98397	107.95	27.48	2200	13.4	962	685	3128	1	2167	7.1	-2.2	19.2	28.9	132	301	176	36	508	189	444	26
98401	107.59	27.49	2303	11.4	802	566	2515	20	1579	4.9	-4.4	17.6	26.9	151	287	144	58	787	162	352	28
98405	107.34	27.5	2402	10.8	720	522	2333	32	1429	4.2	-5.4	17.2	26.2	153	281	137	65	876	136	321	29
98407	107.24	27.5	2420	10.8	694	510	2327	34	1445	4.1	-5.5	17.2	26.2	151	281	136	66	880	126	313	29
98409	107.08	27.51	2230	11.7	619	473	2607	19	1746	4.9	-4.7	18.3	27.1	137	287	151	58	756	97	291	26
98411	106.93	27.51	2010	13.1	580	459	3030	6	2152	6.2	-3.4	19.6	28.5	123	293	166	43	572	77	283	24
98415	108.05	27.43	1949	15.3	1022	747	3802	0	2811	9.1	0.1	21.1	30.6	112	312	203	22	273	184	488	22
98416	107.99	27.43	1900	15.2	1015	744	3745	0	2751	9	0	20.9	30.4	113	310	203	23	281	181	482	22
98420	107.69	27.44	2275	12	865	612	2679	11	1709	5.6	-3.8	18	27.5	148	291	153	50	710	173	386	28
98423	107.49	27.45	2032	12.5	766	566	2854	6	1884	6.2	-3.3	18.6	27.8	138	292	159	44	633	133	354	24
98424	107.44	27.45	2193	11.7	742	540	2607	16	1659	5.2	-4.2	18	27.1	148	289	151	54	753	137	336	26
98427	107.23	27.46	2413	10.8	699	515	2338	32	1446	4.2	-5.4	17.2	26.2	151	281	136	65	874	126	317	29
98429	107.13	27.46	2300	11.3	650	490	2493	24	1591	4.6	-5	17.8	26.8	146	285	146	61	804	108	302	27
98430	106.93	27.47	2121	12.6	586	461	2887	10	1972	5.7	-4	19.1	28	130	290	159	48	642	81	285	24
98431	106.88	27.47	2050	13.1	578	458	3034	6	2155	6.1	-3.5	19.6	28.5	123	293	166	43	577	77	283	24
98434	108.65	27.36	1630	21.3	934	701	5934	0	5597	14.3	6.3	28	36.7	20	349	331	11	4	159	486	18
98439	108.04	27.38	1690	16.4	1074	803	4163	0	3308	10.3	1.6	21.9	31.1	87	319	217	19	159	179	519	20
98442	107.89	27.39	2170	13.5	976	700	3174	0	2193	7.2	-2.2	19.4	29.1	132	301	176	35	506	187	453	26
98447	107.49	27.4	1881	13.3	795	598	3095	1	2142	7.1	-2.3	19.2	28.3	130	300	174	36	511	130	376	23
98450	107.23	27.41	2230	11.6	676	507	2557	18	1633	5	-4.6	17.9	26.9	146	287	149	57	776	114	315	26
98454	106.98	27.42	2305	11.6	619	478	2587	21	1735	4.8	-4.9	18.1	27.1	137	287	153	58	766	94	294	27

98455	106.93	27.42	2200	12.2	599	468	2778	13	1903	5.4	-4.3	18.8	27.7	131	289	159	51	687	86	289	26
98457	106.83	27.42	1960	13.7	574	460	3230	2	2337	6.7	-2.9	20.1	29.1	119	298	173	38	500	72	285	23
98460	108.64	27.32	1570	21.5	942	705	5990	0	5657	14.5	6.5	28.1	36.8	20	350	335	11	3	161	488	18
98464	108.04	27.34	1780	16.2	1078	803	4092	0	3138	10.1	1.2	21.8	31.2	99	317	210	19	185	182	522	21
98466	107.94	27.34	1980	14.7	1027	752	3600	0	2616	8.5	-0.8	20.5	30.2	117	307	198	26	355	184	488	24
98470	107.58	27.35	2270	12	852	612	2675	11	1673	5.6	-4	18	27.5	149	289	152	50	724	164	387	28
98472	107.48	27.36	1810	13.6	819	620	3213	0	2316	7.5	-1.9	19.4	28.6	121	303	183	33	455	130	392	22
98473	107.43	27.35	2043	12.5	775	578	2851	6	1885	6.2	-3.3	18.6	27.8	137	292	157	44	629	131	364	25
98474	107.38	27.36	2044	12.5	745	559	2831	7	1874	6.1	-3.4	18.5	27.7	137	292	156	45	641	124	351	25
98476	107.23	27.37	2260	11.5	692	518	2535	20	1588	4.9	-4.7	17.8	26.9	149	286	147	58	790	118	323	27
98477	107.18	27.37	2221	11.7	669	506	2593	17	1657	5.1	-4.5	18	27	145	287	150	56	762	110	315	26
98479	107.08	27.37	2270	11.6	648	493	2565	19	1663	4.9	-4.8	18	27	142	286	149	58	775	104	305	27
98480	106.98	27.37	2262	11.8	621	480	2647	17	1772	5	-4.6	18.3	27.2	136	287	152	56	742	94	297	26
98491	107.73	27.3	1996	13.8	958	704	3259	0	2271	7.6	-1.9	19.6	29.2	129	302	179	32	477	169	452	24
98494	107.58	27.31	2253	12.2	869	628	2743	9	1726	5.9	-3.8	18.1	27.7	148	291	153	47	698	164	399	27
98498	107.38	27.32	2212	11.8	763	565	2626	14	1650	5.4	-4.2	17.9	27.2	148	288	152	53	739	134	355	27
98499	107.33	27.32	1877	13.2	749	575	3047	1	2096	7	-2.5	19	28.1	129	298	171	37	521	113	363	23
98500	107.23	27.32	2202	11.8	694	524	2613	15	1660	5.3	-4.4	18	27.1	146	288	150	54	752	114	328	26
98501	107.13	27.32	2247	11.6	666	507	2571	18	1647	5	-4.6	17.9	27	145	287	150	57	769	107	315	27
98502	107.08	27.33	2290	11.5	660	503	2542	20	1620	4.9	-4.8	17.9	26.9	145	285	148	58	786	106	312	27
98503	107.03	27.33	2267	11.7	641	492	2596	18	1716	5	-4.7	18.1	27	139	287	151	56	765	100	305	27
98504	106.87	27.33	2115	12.8	596	471	2946	8	2020	5.9	-3.8	19.2	28.1	128	290	159	45	615	81	293	24
98505	106.67	27.34	2174	13.4	562	451	3134	5	2237	6.2	-3.6	19.9	28.9	121	293	169	42	555	71	277	26
98522	107.07	27.28	2230	11.8	662	507	2616	16	1692	5.2	-4.5	18.1	27.1	142	287	150	54	754	104	316	26
98525	106.92	27.28	2200	12.2	620	484	2768	12	1860	5.5	-4.3	18.6	27.5	134	289	159	50	693	90	301	26
98530	106.52	27.3	2258	13.5	545	442	3197	4	2309	6.2	-3.5	20.3	29.1	118	294	172	42	531	65	270	26
98535	107.78	27.21	2065	14	1016	747	3356	0	2327	7.9	-1.9	19.8	29.8	129	303	178	30	467	180	486	25
98539	107.48	27.22	1988	13.1	862	648	3038	1	2023	7	-2.6	18.8	28.3	135	297	169	37	543	142	413	25
98542	107.33	27.23	2265	11.7	777	577	2580	15	1597	5.3	-4.4	17.7	27.1	150	287	146	54	764	136	365	27
98546	107.12	27.23	2278	11.5	695	525	2537	19	1575	5	-4.7	17.7	26.8	149	285	144	58	793	115	328	27
98547	107.07	27.23	2316	11.4	683	518	2501	21	1556	4.8	-4.9	17.7	26.7	149	284	141	59	810	112	323	27
98550	106.87	27.24	2209	12.3	621	486	2803	11	1888	5.6	-4.2	18.7	27.7	132	288	160	49	681	89	302	26
98553	106.62	27.25	2400	12.3	587	467	2807	13	1893	5.3	-4.5	18.8	27.7	131	287	158	51	675	79	284	28
98563	107.78	27.17	1722	15.4	1058	798	3816	0	2811	9.5	0.2	20.7	30.3	109	312	206	22	258	170	516	22
98564	107.53	27.17	2040	13.2	909	678	3072	1	2049	7.1	-2.6	18.9	28.6	135	298	169	36	543	154	435	25
98565	107.48	27.18	1921	13.5	888	671	3156	0	2167	7.5	-2.2	19	28.5	129	301	177	33	487	143	430	23
98566	107.43	27.18	2089	12.7	847	634	2896	3	1889	6.5	-3.2	18.4	28	138	293	156	41	613	142	405	25
98567	107.37	27.18	2410	11.3	835	610	2461	19	1469	5	-4.8	17.3	26.8	154	283	140	58	819	155	386	29
98568	107.32	27.18	2283	11.7	796	591	2575	14	1583	5.4	-4.4	17.6	27.1	150	286	144	53	769	140	374	28

98571	107.12	27.19	2267	11.5	708	536	2540	18	1582	5.1	-4.7	17.7	26.8	149	286	147	56	790	117	336	27
98573	107.02	27.19	2320	11.4	681	518	2513	20	1569	4.9	-4.9	17.7	26.7	148	284	141	58	807	110	322	28
98575	106.92	27.19	2390	11.3	661	507	2486	22	1556	4.7	-5.1	17.6	26.6	146	282	142	60	817	104	313	28
98577	106.82	27.2	1969	13.6	617	494	3199	2	2259	6.8	-2.9	19.7	28.7	121	296	172	38	503	79	309	24
98590	107.32	27.14	2285	11.7	817	606	2581	14	1590	5.4	-4.3	17.6	27.1	150	287	144	53	762	144	384	28
98593	107.17	27.14	2251	11.6	743	559	2560	16	1587	5.2	-4.5	17.7	26.9	149	286	144	55	775	125	352	27
98596	106.92	27.15	2290	11.8	659	508	2614	17	1700	5.1	-4.7	18	27	140	286	149	55	763	101	316	27
98598	106.82	27.15	2216	12.5	627	492	2843	10	1898	5.7	-4.1	18.7	27.7	133	289	159	48	667	89	306	26
98599	106.77	27.15	2090	13.3	610	486	3109	3	2194	6.4	-3.4	19.5	28.5	122	294	167	41	558	80	303	25
98600	106.72	27.16	2237	12.8	602	478	2948	8	2018	5.9	-4	19.1	28.1	128	290	159	45	630	81	296	26
98607	107.42	27.09	1985	13.2	905	684	3074	0	2048	7.3	-2.5	18.7	28.3	133	298	169	35	521	147	439	25
98609	107.32	27.09	2166	12.2	835	627	2752	7	1716	6.1	-3.7	18	27.5	146	290	153	45	679	141	400	27
98611	107.07	27.1	2216	11.8	719	548	2602	14	1629	5.4	-4.4	17.8	26.9	147	287	149	53	758	116	344	27
98613	106.97	27.1	2346	11.3	692	526	2483	21	1526	4.8	-5	17.5	26.6	149	282	141	59	827	113	327	28
98615	106.87	27.11	2283	11.9	658	509	2665	14	1753	5.3	-4.6	18.1	27.1	137	287	151	53	744	100	317	27
98616	106.81	27.11	2239	12.3	640	501	2799	11	1859	5.6	-4.3	18.6	27.5	134	288	159	49	692	92	311	27
98617	106.71	27.11	2163	13.2	607	484	3068	4	2138	6.3	-3.6	19.4	28.4	123	291	163	42	582	79	301	25
98618	106.66	27.11	2376	12.2	614	484	2771	12	1854	5.4	-4.6	18.5	27.5	132	287	155	50	702	86	297	27
98619	106.61	27.11	2438	12.1	609	482	2723	14	1812	5.2	-4.7	18.4	27.3	132	285	155	52	715	84	295	27
98628	107.32	27.05	2136	12.4	862	649	2794	5	1755	6.3	-3.5	18	27.6	144	291	151	43	648	143	415	27
98632	107.02	27.06	2335	11.2	722	545	2450	22	1497	4.8	-5	17.4	26.5	150	281	135	60	844	121	340	28
98634	106.91	27.06	2257	11.8	683	526	2637	15	1695	5.3	-4.5	18	27	141	286	149	53	754	106	328	27
98635	106.86	27.06	2250	12.1	667	518	2704	13	1771	5.5	-4.4	18.2	27.2	137	287	151	51	728	100	322	27
98636	106.81	27.06	2143	12.8	649	511	2934	6	1953	6.1	-3.8	18.9	27.9	132	290	159	44	626	91	320	25
98637	106.76	27.06	2132	13.1	633	502	3028	4	2084	6.3	-3.6	19.2	28.2	125	291	162	42	592	85	314	25
98646	107.37	27	2092	12.8	921	693	2935	2	1870	6.8	-3	18.2	28	139	293	157	38	580	153	445	27
98649	107.22	27	2451	10.9	831	611	2334	24	1364	4.7	-5.2	16.8	26.2	156	280	133	61	892	153	385	30
98651	107.11	27.01	2419	10.8	780	579	2320	27	1357	4.5	-5.3	16.8	26.1	156	279	133	63	906	139	362	30
98652	107.06	27.01	2327	11.2	753	565	2426	22	1443	4.8	-5	17.2	26.4	154	281	134	60	858	129	353	29
98653	107.01	27.01	2230	11.7	734	559	2581	15	1582	5.3	-4.5	17.7	26.8	149	285	146	54	776	119	351	27
98655	106.91	27.01	2338	11.4	700	534	2502	19	1529	5	-4.9	17.5	26.6	149	282	141	58	820	113	332	28
98656	106.81	27.02	2197	12.5	666	521	2846	8	1879	5.9	-4.1	18.6	27.6	134	289	158	46	675	96	325	27
98670	107.16	26.96	2375	11	817	604	2363	23	1380	4.8	-5	16.9	26.3	156	280	134	60	880	148	379	30
98671	107.11	26.96	2392	10.8	794	588	2324	26	1367	4.6	-5.2	16.8	26.1	156	280	133	62	906	143	368	30
98672	107.06	26.96	2376	10.9	771	574	2338	26	1381	4.6	-5.2	16.9	26.1	155	279	134	62	901	137	358	30
98677	106.76	26.97	2200	12.7	660	519	2897	7	1901	6	-4	18.7	27.7	134	289	159	45	653	93	324	26
98678	106.71	26.97	2237	12.7	645	508	2909	7	1901	6	-4.1	18.8	27.8	134	288	158	45	657	90	316	26
98689	107.36	26.91	2337	12	952	701	2660	8	1565	6	-4	17.4	27.4	153	287	146	47	721	173	450	30
98690	107.31	26.91	2337	11.7	923	679	2575	11	1504	5.7	-4.2	17.2	27	154	285	145	50	757	168	434	30

98691	107.26	26.91	2211	12	905	675	2679	7	1619	6	-3.8	17.5	27.2	149	288	147	46	697	157	430	29
98694	107.11	26.92	2458	10.6	811	598	2253	29	1324	4.5	-5.4	16.5	25.8	156	279	132	64	940	149	375	30
98695	107.06	26.92	2378	10.8	786	583	2316	26	1364	4.6	-5.2	16.8	26	156	280	133	62	918	141	364	30
98697	106.96	26.92	2412	10.9	748	562	2330	26	1361	4.6	-5.3	16.8	26	155	278	134	62	905	129	350	29
98698	106.91	26.92	2330	11.4	731	555	2479	19	1507	5	-4.9	17.3	26.4	149	281	136	57	832	120	346	29
98700	106.81	26.93	2343	11.7	694	535	2579	15	1594	5.2	-4.8	17.6	26.7	144	282	143	54	789	107	333	27
98702	106.66	26.93	2333	12.4	645	509	2811	9	1834	5.7	-4.4	18.4	27.4	133	286	155	47	702	90	314	27
98704	106	26.95	2353	14.1	527	444	3390	2	2510	6.8	-3	20.7	29.3	106	296	183	37	453	48	256	27
98712	107.11	26.87	2440	10.6	826	608	2254	28	1324	4.5	-5.3	16.5	25.8	156	279	131	63	941	152	381	30
98713	107.06	26.87	2385	10.7	799	591	2285	27	1342	4.6	-5.3	16.7	25.9	156	279	133	63	934	145	369	30
98714	107.01	26.87	2415	10.7	782	582	2276	28	1315	4.5	-5.3	16.6	25.8	157	278	132	63	935	139	363	30
98715	106.91	26.88	2467	10.8	751	566	2298	25	1333	4.6	-5.4	16.6	25.7	155	278	133	62	914	128	351	30
98716	106.86	26.88	2542	10.6	741	562	2241	27	1313	4.4	-5.6	16.3	25.5	153	277	130	62	926	124	347	30
98717	106.81	26.88	2486	11	719	549	2359	23	1387	4.7	-5.3	16.8	25.9	152	278	134	60	877	116	339	29
98720	106.1	26.9	2258	14.6	527	445	3553	1	2655	7.2	-2.7	21.3	29.9	103	298	187	34	427	47	261	26
98725	107.31	26.82	2295	12	974	720	2652	7	1568	6.1	-3.8	17.2	27.2	151	287	146	45	699	175	461	31
98731	106.8	26.84	2422	11.2	726	557	2435	19	1433	5	-5.1	17	26.1	150	278	136	56	849	116	345	29
98732	106.75	26.84	2292	12.1	706	549	2708	10	1721	5.7	-4.5	17.9	27	137	284	145	48	744	105	342	27
98733	106.7	26.84	2240	12.6	684	539	2867	6	1862	6.1	-4.1	18.4	27.5	134	288	157	44	673	96	336	26
98734	106.65	26.84	2170	13.2	664	529	3073	3	2068	6.6	-3.6	19.1	28.1	126	290	161	39	595	88	331	25
98735	106.1	26.86	2149	15.2	525	444	3778	0	2862	7.7	-2.2	22	30.6	99	301	192	32	371	46	262	24
98736	106.05	26.86	2383	13.7	543	455	3253	3	2301	6.5	-3.4	20.2	28.9	117	294	173	39	509	51	264	26
98737	106	26.86	2087	15.7	515	442	3925	0	2976	8	-1.7	22.5	31.1	98	302	196	30	325	40	255	25
98741	107.31	26.77	2187	12.5	1017	758	2818	2	1734	6.7	-3.1	17.4	27.5	142	291	153	39	596	177	487	30
98745	107.11	26.78	2380	10.8	861	634	2304	23	1337	4.8	-5	16.5	25.9	156	279	133	61	906	159	399	30
98746	107.05	26.78	2386	10.8	837	619	2294	24	1331	4.8	-5.1	16.5	25.8	156	279	133	61	918	152	388	30
98748	106.95	26.79	2506	10.6	802	599	2218	26	1279	4.6	-5.5	16.1	25.4	155	277	129	62	945	142	373	30
98752	106.75	26.79	2320	11.9	722	560	2645	11	1630	5.6	-4.6	17.6	26.7	141	282	143	49	765	109	348	28
98753	106.55	26.8	2100	14.1	639	517	3378	0	2343	7.3	-3	20.2	29	119	295	172	34	496	77	322	25
98754	106.45	26.8	2124	14.5	599	490	3506	0	2509	7.4	-2.8	20.8	29.5	112	297	180	33	461	67	304	23
98757	106.05	26.81	2120	15.3	526	450	3813	0	2883	7.8	-2.1	22.1	30.7	98	300	193	31	361	42	262	25
98760	107.25	26.73	2472	11.2	969	711	2404	14	1383	5.4	-4.6	16.4	26.3	153	280	133	53	816	181	453	32
98763	106.95	26.74	2312	11.3	823	620	2452	16	1415	5.3	-4.7	16.9	26.1	153	279	134	54	834	140	389	29
98767	106.75	26.75	2278	12.1	737	574	2712	8	1679	5.9	-4.4	17.7	26.8	139	283	143	46	740	109	358	28
98771	106.55	26.75	2124	13.9	654	527	3292	1	2261	7.2	-3.2	19.8	28.7	120	293	169	35	524	81	328	25
98772	106.09	26.76	2130	15.1	541	458	3737	0	2795	7.7	-2.3	21.8	30.4	101	300	189	32	387	46	269	24
98776	107.15	26.69	2291	11.6	954	709	2515	9	1436	5.8	-4.1	16.7	26.4	154	283	143	49	754	170	450	31
98777	106.95	26.69	2436	10.9	832	625	2301	19	1309	5	-5.1	16.2	25.6	154	277	129	58	895	144	391	30
98779	106.8	26.7	2230	12.2	781	605	2728	6	1653	6.1	-4.2	17.6	26.8	142	284	146	44	730	119	379	28

98780	106.75	26.7	2315	11.9	752	584	2640	9	1572	5.8	-4.5	17.3	26.5	144	281	142	47	767	114	365	28
98782	106.6	26.71	2052	13.9	694	557	3305	0	2250	7.4	-3	19.6	28.5	121	294	169	34	515	87	349	24
98783	106.55	26.71	2360	12.4	673	535	2781	7	1751	6	-4.4	18	27.1	134	283	145	44	711	90	329	26
98784	106.5	26.71	2330	12.7	653	524	2901	5	1845	6.2	-4.2	18.5	27.5	133	286	154	42	668	83	322	26
98785	106.45	26.71	2050	14.7	627	514	3571	0	2557	7.7	-2.6	20.8	29.5	110	298	184	32	436	69	318	24
98788	105.89	26.72	2830	11	608	491	2343	21	1451	4.6	-5	16.5	25.3	136	276	138	57	745	73	279	30
98795	106.85	26.65	2260	11.9	822	631	2633	8	1527	6	-4.3	17.2	26.4	147	280	135	46	762	130	396	29
98796	106.8	26.65	2430	11.2	787	603	2403	14	1363	5.3	-5	16.4	25.7	151	277	131	53	852	126	375	29
98798	106.7	26.66	2438	11.4	744	578	2464	13	1412	5.4	-4.9	16.7	25.9	148	277	133	51	823	112	358	28
98799	106.55	26.66	2573	11.1	700	549	2353	16	1345	5.1	-5.3	16.3	25.5	147	275	128	53	854	101	334	27
98800	106.5	26.66	2243	13.2	664	535	3060	2	2015	6.7	-3.8	19	27.9	127	289	160	38	615	82	330	25
98801	106.39	26.66	2523	11.7	648	519	2576	12	1557	5.4	-5	17.2	26.3	139	279	142	49	771	83	312	26
98804	106.19	26.67	2020	15.4	573	482	3827	0	2856	8.1	-2	21.9	30.5	99	300	192	29	362	51	289	23
98807	105.84	26.68	2120	15.1	534	459	3731	0	2804	7.8	-2.1	21.6	30.3	100	301	192	31	375	40	259	26
98808	105.79	26.68	2177	14.9	530	456	3646	0	2748	7.6	-2.2	21.3	30	100	301	190	32	387	39	256	26
98811	107.35	26.59	2000	13.6	1198	898	3185	0	2042	8.2	-1.4	17.8	28	129	300	174	28	366	202	578	31
98813	107.1	26.6	2345	11.4	956	711	2460	10	1412	5.7	-4.3	16.4	26	151	281	134	49	777	170	450	31
98820	106.59	26.62	1870	14.4	746	601	3473	0	2436	8.2	-2.2	19.7	28.5	112	299	184	28	424	91	376	24
98822	106.5	26.62	2310	12.7	676	542	2885	4	1817	6.4	-4.2	18.3	27.3	133	285	153	41	680	86	333	25
98823	106.44	26.62	2500	11.6	669	533	2546	11	1517	5.5	-4.9	17	26.2	140	278	140	48	780	89	322	26
98825	106.34	26.62	2438	12.3	634	513	2758	7	1740	5.9	-4.6	17.9	27	132	282	146	44	714	76	308	25
98829	105.79	26.64	2120	15	535	461	3706	0	2779	7.8	-2.1	21.5	30.2	100	301	192	31	377	39	259	26
98836	107.3	26.55	2290	12.4	1111	822	2788	1	1665	6.9	-2.9	17	27.1	142	290	151	38	564	200	529	32
98838	107.2	26.55	1771	13.7	1175	889	3221	0	2146	8.7	-1.2	17.8	27.2	122	303	180	25	362	189	560	29
98840	107.05	26.56	2390	11.3	945	705	2412	10	1365	5.7	-4.4	16.1	25.8	151	279	131	49	801	168	445	31
98842	106.95	26.56	2343	11.4	897	678	2471	9	1385	5.8	-4.4	16.4	25.9	152	279	133	48	794	152	426	30
98843	106.69	26.57	2366	11.7	768	599	2573	8	1478	5.9	-4.6	16.9	26.1	146	279	136	46	786	114	372	28
98845	106.59	26.57	2500	11.2	731	573	2405	13	1352	5.4	-5	16.3	25.5	147	275	129	50	836	106	351	27
98846	106.54	26.57	2550	11.1	715	562	2345	14	1356	5.3	-5.2	16.1	25.3	144	276	127	51	848	102	342	27
98849	106.34	26.58	2440	12.2	644	520	2721	7	1677	5.9	-4.6	17.7	26.8	134	280	145	44	725	78	311	25
98851	106.19	26.58	2310	13.3	599	495	3108	3	2072	6.6	-3.9	19.3	28.3	125	290	160	39	601	61	292	24
98852	106.09	26.58	2670	11.3	616	498	2449	16	1505	5	-5.2	16.7	25.9	136	277	140	53	777	74	287	27
98855	105.94	26.59	2100	14.9	557	476	3646	0	2702	7.7	-2.4	21.3	30	102	299	187	32	415	43	273	24
98865	107.25	26.51	2100	13	1171	874	2959	0	1889	7.6	-2.2	17.2	27.2	130	296	167	32	461	204	558	33
98866	107.04	26.51	2214	12.1	1005	756	2670	3	1551	6.5	-3.6	16.8	26.4	146	285	146	41	672	172	479	31
98867	106.99	26.51	2380	11.3	937	704	2433	9	1356	5.8	-4.4	16.1	25.7	151	278	130	48	793	163	444	31
98873	106.59	26.52	2405	11.7	740	582	2565	8	1471	5.9	-4.7	16.8	26	143	277	137	45	785	106	359	26
98874	106.54	26.53	1810	14.7	760	612	3561	0	2551	8.5	-1.8	19.9	28.6	107	302	187	26	382	92	380	24
98877	106.34	26.53	2690	10.6	677	535	2210	20	1193	4.7	-5.7	15.6	24.9	149	269	114	55	890	94	317	27

98878	106.29	26.53	2587	11.3	650	520	2435	14	1445	5.2	-5.2	16.5	25.8	140	277	133	51	814	83	307	26
98879	106.19	26.54	2440	12.4	612	501	2807	7	1770	5.9	-4.5	18.1	27.2	132	283	150	44	698	67	294	24
98881	106.09	26.54	2620	11.5	611	496	2517	14	1539	5.2	-5	17	26.1	137	279	142	51	766	70	286	26
98882	106.04	26.54	2680	11.3	612	495	2435	16	1476	5	-5.1	16.7	25.8	138	277	140	53	776	73	285	26
98888	107.6	26.45	1960	15.6	1326	983	3880	0	2809	10.3	0.2	19.7	30.4	103	316	218	19	209	229	644	32
98889	107.55	26.45	1620	15.9	1239	912	3978	0	2991	10.8	1.1	19.9	29.8	93	318	220	17	170	215	582	29
98898	106.89	26.47	1875	13.4	1001	772	3122	0	2007	8	-2.4	18	27	129	297	167	30	498	153	485	30
98900	106.64	26.48	2643	10.3	781	602	2090	18	955	5	-5.4	14.9	24.2	160	262	99	54	921	123	369	28
98905	106.29	26.49	2438	12.1	643	521	2703	7	1649	5.9	-4.7	17.5	26.7	135	280	143	44	738	76	310	24
98908	106.14	26.49	2710	10.8	637	510	2286	20	1351	4.7	-5.5	15.9	25.2	142	276	128	55	846	81	295	27
98910	106.04	26.49	2740	10.9	624	502	2301	20	1391	4.7	-5.4	16.1	25.3	139	276	130	55	820	77	288	27
98911	105.99	26.5	2550	12.1	591	486	2691	10	1697	5.6	-4.6	17.7	26.7	133	283	153	47	698	62	278	25
98914	105.83	26.5	2080	14.8	558	479	3624	0	2680	7.8	-2.3	21.1	29.9	103	300	186	31	408	41	272	24
98924	107.19	26.42	2290	12.2	1100	817	2717	2	1576	6.8	-3.1	16.7	26.6	144	287	146	38	596	197	521	32
98930	106.84	26.43	1940	13.4	970	748	3111	0	1957	7.9	-2.7	18.1	27.2	132	294	162	30	548	150	472	30
98933	106.64	26.43	2543	10.8	788	610	2236	12	1082	5.5	-5	15.4	24.6	157	267	107	49	868	121	375	28
98937	106.34	26.44	2560	11.2	672	536	2395	13	1409	5.3	-5.2	16.2	25.5	139	275	128	50	830	88	319	25
98939	106.24	26.44	1984	14.7	649	536	3603	0	2582	8	-2.3	20.7	29.5	108	299	186	30	418	66	322	23
98942	106.08	26.45	2620	11.4	621	502	2456	15	1476	5.1	-5.1	16.6	25.9	139	278	137	51	787	73	289	25
98944	105.98	26.45	2640	11.5	606	493	2495	14	1531	5.2	-4.9	16.8	26	136	279	141	51	751	69	281	26
98945	105.93	26.45	2740	11	615	496	2349	18	1419	4.8	-5.1	16.2	25.4	138	276	135	55	776	75	282	27
98946	105.88	26.45	2790	10.8	618	498	2286	20	1394	4.7	-5	16	25.1	137	276	132	56	776	75	281	29
98951	107.64	26.36	2080	15.7	1344	990	3910	0	2768	10.3	0.1	19.9	30.7	108	315	217	19	220	238	653	32
98952	107.59	26.36	2088	15.2	1331	982	3742	0	2614	9.9	-0.2	19.4	30.1	111	313	210	20	237	236	645	32
98956	107.29	26.37	1830	14.2	1274	943	3371	0	2318	9.1	-0.6	18.1	27.8	115	308	195	22	301	223	594	33
98958	107.04	26.37	2051	12.9	1104	831	2954	0	1832	7.6	-2.6	17.4	26.9	134	293	159	32	540	188	525	32
98962	106.84	26.38	2168	12.5	933	715	2814	1	1631	7	-3.6	17.3	26.6	144	285	146	37	691	150	452	30
98965	106.59	26.39	2507	11	770	601	2310	10	1263	5.7	-4.8	15.6	24.8	146	273	119	47	836	114	369	26
98966	106.54	26.39	2421	11.6	751	591	2503	7	1419	6	-4.6	16.4	25.6	142	276	131	44	788	107	362	26
98975	106.03	26.4	2650	11.2	619	500	2412	16	1445	5	-5.1	16.4	25.7	139	277	136	52	787	74	287	25
98977	105.93	26.41	2550	12	594	487	2669	10	1684	5.6	-4.4	17.5	26.6	133	284	153	47	685	63	277	24
98978	105.88	26.41	2470	12.6	579	482	2852	6	1859	6.1	-4	18.3	27.3	130	289	158	43	624	55	273	24
98986	107.29	26.32	2190	13.1	1202	887	3009	0	1884	7.8	-2	17.3	27.3	130	295	166	31	438	218	567	33
98991	106.99	26.33	2303	11.9	998	750	2610	3	1463	6.6	-3.6	16.4	26	147	282	143	40	692	174	473	31
98993	106.79	26.34	2080	13.1	935	720	3004	0	1805	7.5	-3.4	17.9	27.1	138	288	152	33	659	148	456	31
98998	106.53	26.34	2227	12.7	769	607	2864	2	1747	6.9	-3.8	17.7	26.8	135	285	149	37	678	107	375	26
98999	106.48	26.35	2618	10.4	745	582	2127	15	960	5.2	-5.3	14.8	24.2	159	262	99	51	891	110	352	26
99000	106.43	26.35	2600	10.6	725	568	2190	15	1076	5.2	-5.3	15.1	24.5	154	266	105	51	877	105	341	26
99003	106.28	26.35	2700	10.3	681	537	2111	22	994	4.6	-5.8	14.9	24.5	162	267	104	56	922	96	315	26

99007	106.03	26.36	2650	11.2	623	501	2388	16	1432	5	-5.1	16.3	25.6	139	277	134	52	790	76	287	25
99010	105.88	26.36	2610	11.7	599	489	2574	11	1628	5.4	-4.4	17.1	26.2	133	284	151	49	688	66	277	25
99013	107.49	26.27	1797	15.2	1299	944	3745	0	2705	10.2	0.4	19.2	29.1	105	317	218	19	211	238	600	32
99016	107.29	26.28	2320	12.7	1168	859	2855	0	1703	7.4	-2.4	16.9	27	138	291	155	34	515	216	549	33
99017	107.19	26.28	1661	14.5	1191	878	3497	0	2495	9.7	0	18.5	27.6	107	313	213	21	262	208	546	31
99020	106.93	26.29	2195	12.4	1002	756	2783	1	1595	7.1	-3.3	16.9	26.5	145	286	147	36	651	172	476	31
99028	106.53	26.3	2580	10.5	772	601	2145	12	981	5.5	-5	14.8	24	155	261	99	48	866	116	366	26
99029	106.48	26.3	2610	10.4	753	587	2114	14	946	5.3	-5.2	14.7	24	158	261	98	50	888	112	354	26
99034	106.23	26.31	2490	11.6	661	529	2521	10	1480	5.6	-4.9	16.6	26	140	278	136	47	787	83	310	24
99040	105.93	26.32	2630	11.4	613	496	2479	13	1527	5.2	-4.7	16.6	25.9	136	281	141	51	728	72	281	26
99052	106.93	26.24	1948	13.5	1062	801	3162	0	2025	8.3	-2.1	18.1	27.2	129	298	169	27	487	179	502	32
99054	106.83	26.24	2542	10.7	909	687	2194	9	1005	5.8	-4.5	14.9	24.3	159	265	104	47	837	156	427	29
99060	106.48	26.26	2648	10.2	760	589	2025	16	882	5.1	-5.3	14.3	23.7	157	257	95	51	916	116	356	25
99063	106.33	26.26	2710	10	704	548	2010	23	915	4.5	-6	14.4	24.1	161	262	95	57	963	106	322	26
99069	106.03	26.27	2548	11.6	623	504	2536	12	1551	5.4	-4.7	16.8	26.1	136	280	140	49	745	72	289	24
99078	106.93	26.2	2021	13.3	1049	788	3090	0	1934	8	-2.3	17.9	27.1	134	297	163	30	518	181	494	32
99080	106.78	26.2	2458	11.1	892	678	2329	6	1167	6.1	-4.2	15.4	24.7	156	274	117	44	790	150	421	28
99081	106.73	26.2	2356	11.7	874	669	2526	4	1388	6.4	-3.9	16.1	25.4	145	277	130	41	747	143	414	29
99082	106.58	26.21	2674	9.9	821	630	1914	14	788	5.4	-5	13.7	22.8	157	254	91	49	917	132	385	26
99083	106.53	26.21	2666	9.9	796	613	1949	15	821	5.2	-5.2	13.9	23.1	158	256	92	51	920	126	372	26
99088	106.28	26.22	2730	10	696	540	1997	26	917	4.3	-6.1	14.4	24.1	162	263	94	58	972	107	314	27
99090	106.18	26.22	2750	10.1	676	528	2033	26	984	4.3	-6	14.7	24.3	161	267	102	59	949	100	305	26
99091	106.13	26.22	2776	10.1	674	527	2032	27	993	4.2	-5.9	14.7	24.3	160	267	104	60	942	98	303	27
99093	106.03	26.22	2470	12	627	509	2658	9	1652	5.8	-4.3	17.3	26.5	136	285	152	46	698	71	292	23
99095	105.88	26.23	2080	14.4	608	513	3466	0	2496	7.8	-2.1	20.3	29.2	109	300	184	31	409	51	297	22
99099	107.38	26.14	1720	15.1	1257	900	3709	0	2650	10.2	0.5	19.1	28.6	108	317	217	19	214	240	561	33
99105	106.83	26.15	2237	12.3	942	712	2743	1	1563	7	-3.3	16.8	26.3	145	285	148	37	662	162	443	30
99106	106.78	26.16	2303	12	905	688	2619	2	1460	6.7	-3.6	16.4	25.8	147	282	139	39	704	152	427	29
99107	106.73	26.16	2096	13.1	917	700	3014	0	1844	7.6	-2.9	17.8	27	137	292	157	32	599	150	436	30
99108	106.68	26.16	2354	11.7	857	655	2536	3	1389	6.5	-3.9	16.1	25.4	145	277	130	40	741	140	404	27
99109	106.58	26.16	2726	9.6	830	632	1834	18	728	5	-5.3	13.4	22.7	162	254	90	53	963	138	385	27
99115	106.23	26.17	2752	9.9	693	537	1975	28	906	4.2	-6.1	14.4	24.1	163	263	94	60	981	107	310	27
99119	106.03	26.18	2440	12.1	634	513	2695	7	1710	5.9	-4	17.4	26.6	134	288	153	45	661	72	295	23
99121	105.93	26.18	2530	11.8	619	501	2602	9	1654	5.7	-4	17	26.2	133	287	156	46	653	71	286	24
99124	107.38	26.09	1900	14.7	1268	912	3561	0	2554	9.7	-0.1	18.7	28.4	108	315	216	21	255	242	574	33
99128	106.88	26.11	2371	11.7	950	713	2532	3	1376	6.5	-3.5	16	25.5	148	279	135	41	705	168	441	30
99131	106.73	26.11	2381	11.5	879	668	2477	4	1370	6.4	-3.8	15.9	25.2	144	277	128	41	739	148	411	28
99133	106.58	26.12	2631	10.1	832	634	1978	12	852	5.5	-4.8	13.9	23.1	155	256	94	48	889	138	387	26
99134	106.53	26.12	2518	10.7	799	614	2204	9	1056	5.8	-4.5	14.9	24.2	155	267	107	46	822	127	372	27

99135	106.48	26.12	2675	9.9	785	599	1941	18	819	5	-5.4	13.8	23.3	160	256	90	53	947	130	359	27
99136	106.43	26.12	2700	9.8	761	581	1924	21	817	4.7	-5.8	13.8	23.5	162	257	90	55	980	126	345	27
99138	106.28	26.12	2929	8.9	755	571	1687	44	694	3.5	-6.7	13.3	22.8	169	256	88	67	1134	129	332	30
99142	106.02	26.13	2210	13.4	645	529	3121	1	2163	7.1	-2.6	19	28	119	296	174	36	491	67	309	22
99151	106.83	26.06	2662	10.1	939	698	2008	13	885	5.4	-4.6	14.1	23.5	157	258	91	50	891	172	429	30
99154	106.68	26.07	2301	12	864	656	2628	2	1502	6.7	-3.4	16.5	25.8	144	283	146	39	684	146	403	27
99156	106.52	26.07	2822	9.2	833	624	1729	29	680	4.3	-5.9	13	22.5	167	254	88	61	1068	149	374	29
99163	106.12	26.08	2480	11.6	674	533	2509	9	1554	5.7	-4.1	16.5	25.8	136	284	149	46	699	91	310	24
99165	106.02	26.09	2410	12.2	649	522	2725	5	1816	6.2	-3.3	17.4	26.6	129	294	163	43	584	78	302	23
99166	105.97	26.09	2270	13.1	639	523	3034	2	2127	6.9	-2.3	18.6	27.6	118	297	179	37	462	68	304	22
99168	105.77	26.09	2060	14.7	608	515	3577	0	2642	8.3	-1.2	20.5	29.4	103	304	197	27	317	51	300	22
99171	107.12	26.01	1820	14.6	1158	838	3535	0	2531	9.6	0	18.8	27.9	108	313	212	21	264	218	518	32
99173	106.97	26.01	2420	11.7	997	736	2513	3	1379	6.5	-3.3	15.9	25.6	149	281	138	41	678	186	455	30
99174	106.92	26.02	2424	11.5	975	722	2479	3	1344	6.4	-3.4	15.8	25.4	150	280	135	41	701	181	444	30
99175	106.87	26.02	2448	11.3	950	705	2412	5	1279	6.2	-3.6	15.6	25.1	152	277	125	43	727	175	433	29
99176	106.77	26.02	2631	10.2	923	686	2039	12	887	5.5	-4.5	14.2	23.6	159	259	95	49	875	169	420	29
99177	106.72	26.02	2587	10.4	896	670	2088	11	931	5.6	-4.4	14.4	23.7	159	262	100	48	854	161	410	28
99178	106.67	26.02	2395	11.4	864	652	2452	5	1355	6.3	-3.7	15.8	25.1	145	277	129	42	733	150	397	28
99179	106.62	26.02	2523	10.7	852	643	2185	9	1024	5.8	-4.3	14.8	24.1	158	267	107	46	820	147	391	28
99180	106.57	26.03	2645	10	842	634	1962	15	826	5.2	-4.9	13.9	23.2	160	256	92	52	916	147	384	28
99181	106.52	26.03	2825	9.1	843	628	1719	31	680	4.2	-5.9	13	22.5	167	254	88	62	1081	154	375	30
99187	106.22	26.04	2830	9.4	739	560	1820	34	817	3.9	-6.3	13.8	23.4	162	258	93	63	1058	126	324	29
99192	105.97	26.04	2360	12.6	646	522	2841	3	1991	6.5	-2.4	17.8	26.9	121	298	175	40	482	75	303	22
99197	107.13	25.96	1820	14.8	1157	832	3588	0	2576	9.7	0.2	18.9	28	108	315	215	21	248	222	513	32
99201	106.92	25.97	2227	12.6	985	728	2849	0	1766	7.2	-2.4	17.1	26.6	136	293	161	35	553	183	447	30
99204	106.77	25.97	2350	11.8	902	674	2562	3	1445	6.5	-3.3	16.2	25.6	146	282	142	40	682	163	410	29
99205	106.72	25.98	2491	10.9	891	664	2277	8	1143	5.9	-4	15.1	24.5	157	274	115	46	784	162	405	28
99206	106.67	25.98	2310	12	869	653	2624	3	1495	6.6	-3.2	16.5	25.8	146	284	146	40	663	153	397	28
99207	106.62	25.98	2414	11.3	852	640	2414	6	1324	6.1	-3.8	15.7	25	147	277	128	43	742	150	388	28
99208	106.57	25.98	2320	11.9	835	630	2605	3	1539	6.5	-3.4	16.4	25.7	140	284	147	40	669	143	382	27
99209	106.52	25.98	2410	11.4	818	618	2433	6	1388	6.1	-3.9	15.8	25	142	278	132	43	739	140	373	28
99210	106.47	25.98	2620	10.2	808	607	2029	16	947	5.1	-5	14.2	23.6	158	263	98	53	912	143	364	27
99211	106.42	25.98	2840	9.1	817	607	1724	35	720	4	-6.2	13.2	22.7	166	256	90	64	1106	151	359	30
99212	106.37	25.99	2880	8.9	808	600	1681	40	707	3.7	-6.4	13.2	22.6	167	256	89	66	1135	149	353	30
99215	106.22	25.99	2820	9.4	750	565	1822	35	824	3.9	-6.1	13.9	23.3	164	260	94	64	1048	130	328	29
99217	106.07	25.99	2720	10.2	700	538	2073	23	1104	4.5	-5.2	14.8	24.2	157	275	120	59	877	110	310	27
99219	105.97	26	2580	11.2	663	522	2408	12	1510	5.4	-3.9	16.1	25.3	135	284	151	49	675	92	301	25
99220	105.92	26	2180	13.8	646	531	3247	0	2348	7.6	-1.2	19.2	28.1	111	303	194	32	343	67	311	22
99229	106.92	25.92	2270	12.5	977	719	2786	1	1726	7	-2.4	16.9	26.4	137	293	157	37	567	184	439	29

99230	106.87	25.93	2221	12.7	957	707	2859	0	1805	7.2	-2.3	17.2	26.6	135	295	163	35	547	178	431	29
99231	106.82	25.93	2345	11.9	923	684	2600	3	1473	6.5	-3.1	16.3	25.8	147	284	145	40	655	171	415	29
99232	106.77	25.93	2401	11.5	906	672	2475	5	1364	6.2	-3.4	15.9	25.3	149	280	138	43	706	168	407	29
99233	106.72	25.93	2708	9.8	929	681	1912	18	812	5	-4.9	13.8	23.1	162	257	92	54	945	179	414	30
99234	106.67	25.93	2590	10.4	893	661	2089	12	954	5.4	-4.4	14.4	23.8	161	265	103	50	861	167	400	30
99235	106.62	25.93	2600	10.3	875	648	2060	13	944	5.4	-4.6	14.3	23.7	160	264	100	50	881	163	392	29
99236	106.52	25.94	2370	11.6	827	622	2515	5	1418	6.2	-3.5	16.1	25.3	147	282	142	43	696	144	375	28
99241	106.27	25.94	2594	10.5	753	569	2149	17	1150	5	-4.9	15	24.3	156	276	123	54	865	128	335	27
99242	106.22	25.95	2591	10.6	738	560	2183	17	1221	5	-4.8	15.2	24.5	150	276	127	53	841	123	328	27
99243	106.12	25.95	2720	10.1	724	551	2029	24	1023	4.5	-5.3	14.7	24	162	272	116	59	906	119	319	28
99248	105.72	25.96	2120	14.7	603	508	3574	0	2708	8.5	-0.6	20.2	29	97	309	206	26	267	52	298	20
99257	106.82	25.88	2252	12.5	924	682	2789	1	1723	6.9	-2.4	17	26.5	138	292	160	37	566	173	411	29
99258	106.72	25.89	2550	10.7	913	671	2186	10	1087	5.6	-4.1	14.8	24.2	160	274	114	48	818	175	406	30
99259	106.62	25.89	2412	11.4	864	641	2424	6	1347	6.1	-3.6	15.8	25.1	149	280	132	44	723	160	386	29
99261	106.52	25.89	2370	11.6	838	624	2516	5	1429	6.2	-3.4	16.1	25.3	147	283	143	43	691	152	376	28
99264	106.37	25.9	2740	9.6	812	601	1862	27	846	4.4	-5.7	13.9	23.2	164	262	95	61	1030	152	355	30
99265	106.32	25.9	2903	8.8	826	607	1657	44	659	3.6	-6.4	13.2	22.5	173	256	86	68	1154	158	356	31
99266	106.27	25.9	2747	9.6	781	581	1886	28	881	4.3	-5.7	14.1	23.4	164	264	95	61	1015	142	341	29
99272	105.82	25.91	1890	15.6	644	541	3892	0	2955	9.2	-0.5	21.3	30.1	95	310	208	22	253	58	323	20
99274	105.72	25.91	2550	12	622	500	2654	5	1792	6.3	-2.6	17	25.9	125	295	168	42	500	76	286	24
99275	105.61	25.92	1800	16.5	582	499	4206	0	3206	9.8	-0.2	22.5	31.4	94	313	210	20	209	43	295	19
99281	106.87	25.84	2427	11.6	954	696	2496	5	1399	6.2	-3.1	16	25.5	149	282	142	43	671	187	421	30
99283	106.77	25.84	2300	12.2	900	663	2701	2	1653	6.6	-2.6	16.7	26.2	141	292	153	39	600	171	397	29
99285	106.67	25.84	2499	10.9	898	657	2277	9	1227	5.7	-3.9	15.2	24.5	153	277	123	47	781	174	396	30
99286	106.62	25.84	2469	11.1	881	646	2324	9	1263	5.8	-3.8	15.4	24.7	152	277	127	47	769	170	389	29
99287	106.57	25.84	2362	11.7	860	635	2538	4	1453	6.3	-3.2	16.2	25.4	147	284	143	42	671	161	382	29
99291	106.37	25.85	2320	12	810	606	2655	3	1650	6.5	-3	16.7	25.7	137	290	155	40	617	142	363	28
99292	106.32	25.85	2600	10.3	797	590	2103	18	1110	5	-4.9	14.8	24	158	275	119	55	896	148	350	29
99293	106.27	25.85	2697	9.9	790	585	1958	25	963	4.5	-5.4	14.4	23.6	161	267	101	60	976	146	344	30
99295	106.17	25.86	2890	9	798	590	1723	42	749	3.7	-6.1	13.5	22.7	169	260	95	68	1105	148	343	31
99296	106.02	25.86	2522	11.3	703	543	2432	10	1531	5.7	-3.4	16.1	25.3	136	287	155	47	643	107	317	25
99297	105.97	25.86	2632	10.8	701	539	2256	15	1366	5.2	-4.1	15.5	24.7	140	280	136	53	735	109	312	26
99298	105.92	25.86	2370	12.6	665	530	2841	2	2004	6.8	-1.6	17.6	26.6	118	299	186	38	409	86	310	23
99301	105.67	25.87	2300	13.9	593	490	3282	0	2390	8	-0.8	19	27.7	106	305	198	30	298	61	285	20
99308	106.72	25.79	2583	10.5	942	681	2150	12	1059	5.4	-4.1	14.7	24.1	163	274	114	50	832	190	411	31
99309	106.62	25.8	2583	10.4	912	660	2113	14	1032	5.3	-4.3	14.6	23.9	164	273	112	52	863	183	397	31
99310	106.57	25.8	2350	11.8	874	640	2567	4	1521	6.3	-3	16.3	25.4	143	286	150	42	651	168	385	29
99315	106.32	25.81	2605	10.3	817	599	2085	18	1098	5	-4.9	14.8	23.9	159	275	118	56	914	156	356	31
99316	106.27	25.81	2532	10.8	795	587	2244	14	1282	5.4	-4.3	15.4	24.4	149	278	132	51	818	147	349	29

99317	106.22	25.81	2545	10.7	779	578	2234	14	1279	5.3	-4.3	15.4	24.5	149	278	132	52	809	141	342	28
99318	106.16	25.81	2860	9.1	807	593	1753	40	777	3.8	-6	13.7	22.8	170	263	99	67	1086	152	346	31
99322	105.91	25.82	2390	12.4	673	532	2786	2	1939	6.7	-1.9	17.4	26.4	121	298	178	39	446	91	311	23
99325	105.61	25.82	2350	13.7	588	483	3219	0	2320	7.9	-0.9	18.8	27.4	107	303	190	30	306	62	279	21
99326	105.56	25.83	2030	15.9	564	479	3998	0	3113	9.8	0.5	21.4	30	88	316	222	20	176	45	280	19
99335	106.46	25.76	2310	12.1	872	635	2658	3	1690	6.6	-2.7	16.7	25.6	135	292	158	40	598	168	382	29
99339	106.06	25.77	2400	11.9	736	562	2623	5	1728	6.3	-2.7	16.8	25.7	131	294	161	42	562	118	332	25
99340	106.01	25.77	2350	12.4	717	556	2768	2	1905	6.8	-2.1	17.3	26.2	123	297	173	38	481	106	328	25
99344	105.71	25.78	2120	14.9	607	506	3653	0	2772	9.1	-0.2	20.2	28.9	94	310	209	22	240	59	299	19
99346	105.56	25.78	2310	14.1	572	474	3373	0	2526	8.4	-0.5	19.2	27.8	99	309	202	27	266	57	274	20
99349	107.01	25.7	2320	12.8	1049	751	2890	0	1841	7.3	-1.6	17.2	26.6	135	298	169	34	467	215	457	30
99353	106.82	25.7	2270	12.6	942	679	2854	1	1830	6.9	-1.8	17.3	26.6	136	297	166	37	496	191	405	28
99354	106.76	25.7	2285	12.5	928	670	2793	1	1807	6.8	-2	17.1	26.4	135	297	166	38	522	188	399	29
99360	106.31	25.72	2320	12	847	619	2653	3	1678	6.6	-2.7	16.7	25.6	136	292	156	40	592	160	370	30
99361	106.26	25.72	2390	11.6	829	607	2513	6	1545	6.2	-3.2	16.3	25.2	140	287	152	44	670	156	362	30
99369	105.61	25.73	2340	13.8	589	482	3248	0	2309	8.1	-0.9	18.8	27.5	107	301	185	29	309	64	280	20
99370	105.56	25.73	2200	15	564	470	3664	0	2784	9.2	0	20.1	28.7	94	313	211	22	218	54	274	18
99376	106.91	25.65	2530	11.3	1048	744	2412	5	1383	6.1	-3	15.7	25	148	283	143	44	660	221	452	32
99377	106.86	25.65	2425	11.8	1006	717	2586	3	1564	6.4	-2.5	16.3	25.6	144	291	150	41	591	211	432	31
99378	106.81	25.66	2120	13.8	1001	715	3251	0	2319	8.2	-0.3	18.3	27.3	114	310	205	28	318	204	433	29
99382	106.46	25.67	2220	12.7	922	661	2876	0	1898	7.3	-1.6	17.4	26.1	130	299	173	35	460	185	398	31
99387	106.06	25.68	2540	10.9	777	577	2284	12	1337	5.5	-3.9	15.6	24.6	147	281	134	51	767	139	339	29
99395	107.01	25.6	2430	12.3	1088	771	2723	1	1711	6.9	-1.9	16.7	25.9	137	295	164	37	508	229	471	31
99401	106.36	25.62	2520	10.6	912	641	2201	14	1230	5.4	-4.3	15.4	23.9	156	279	131	53	878	198	385	35
99402	106.31	25.63	2500	10.8	894	632	2244	13	1245	5.5	-4.1	15.6	24.1	156	279	132	52	846	190	379	34
99410	105.76	25.64	2060	15.3	611	501	3786	0	2856	9.5	-0.2	20.5	29.4	94	310	208	22	249	66	299	18
99411	105.71	25.64	2130	15.1	597	491	3704	0	2792	9.4	-0.2	20.2	28.9	94	311	206	21	251	64	292	17
99420	106.81	25.57	2030	14.7	1065	749	3565	0	2642	9.3	1.1	19.2	27.7	103	317	218	21	193	223	458	30
99421	106.76	25.57	1900	15.6	1073	753	3871	0	3065	10.3	2.2	20	28.1	83	324	235	19	119	222	463	29
99424	106.46	25.58	2210	12.9	975	688	2924	0	1992	7.5	-1.2	17.5	26	124	301	181	33	409	204	415	32
99425	106.41	25.58	2380	11.6	958	671	2501	5	1505	6.3	-2.9	16.2	24.9	146	289	151	43	649	207	404	34
99426	106.36	25.58	2520	10.6	940	655	2195	14	1227	5.4	-4.2	15.4	23.9	156	279	131	53	869	208	394	35
99428	106.26	25.58	2500	10.7	899	636	2233	13	1249	5.5	-4.1	15.5	24.2	155	279	132	52	839	190	380	34
99430	106.11	25.58	2250	12.7	810	602	2864	1	1935	7.2	-2	17.5	26.3	127	299	171	35	494	142	359	27
99433	105.91	25.59	2570	10.9	748	561	2299	12	1332	5.5	-3.9	15.7	24.8	147	280	135	51	764	128	327	27
99434	105.86	25.59	2400	12.3	698	539	2732	2	1775	6.8	-2.6	17.2	26.2	131	294	161	38	554	106	316	24
99435	105.81	25.59	2280	13.5	656	520	3139	0	2160	7.9	-1.5	18.4	27.3	117	300	186	30	406	88	306	21
99438	105.66	25.6	2290	14	599	485	3319	0	2320	8.4	-1.1	19	27.8	110	301	185	27	339	71	283	20
99439	105.61	25.6	2360	13.6	596	481	3173	0	2220	8	-1.4	18.5	27.3	111	300	185	30	369	71	279	20

99441	105.51	25.6	1990	16.6	517	435	4230	0	3282	10.4	0.7	22	30.8	87	317	220	18	166	44	254	16
99444	106.91	25.52	2630	10.9	1125	786	2273	8	1284	5.8	-3.1	15.2	24.3	152	282	137	47	694	247	479	34
99445	106.81	25.52	2110	14.3	1075	753	3414	0	2485	8.9	0.7	18.8	27.3	110	316	214	24	225	229	460	31
99447	106.71	25.52	2340	12.3	1048	729	2753	1	1773	7	-1.6	16.8	25.7	135	298	166	37	474	231	440	33
99448	106.5	25.53	1900	15.3	1035	725	3790	0	3008	10.1	2.2	19.8	27.7	83	324	233	19	115	214	443	30
99452	106.31	25.53	2580	10.2	952	663	2074	19	1147	5	-4.6	15	23.6	158	277	126	58	937	210	396	36
99454	106.21	25.54	2390	11.4	899	642	2460	6	1450	6.1	-3.2	16.2	24.9	149	287	148	45	693	182	382	33
99455	106.16	25.54	2380	11.6	871	628	2496	6	1506	6.2	-3.2	16.3	25.1	145	288	150	44	680	171	373	31
99456	106.11	25.54	2400	11.5	844	613	2470	7	1468	6.1	-3.3	16.2	25.2	147	287	148	45	697	161	363	30
99457	106.06	25.54	2520	10.8	825	601	2249	14	1270	5.4	-4.1	15.6	24.5	153	279	133	53	825	157	354	30
99459	105.91	25.54	2670	10.3	780	578	2088	20	1136	4.9	-4.7	15	24.1	157	277	125	58	901	140	335	30
99460	105.86	25.55	2610	10.7	746	560	2236	15	1248	5.3	-4.2	15.5	24.6	153	279	132	53	807	127	324	28
99462	105.76	25.55	2240	14	627	501	3325	0	2319	8.4	-1.3	19	27.9	111	301	185	27	373	80	295	19
99466	105.51	25.55	2060	16.2	515	431	4083	0	3147	10.2	0.5	21.5	30.4	89	316	221	19	188	46	251	16
99467	106.95	25.47	2273	13.5	1123	786	3163	0	2217	8.2	-0.2	18	26.8	119	310	203	28	310	241	482	30
99471	106.5	25.48	2260	12.6	1056	729	2825	0	1901	7.3	-1.1	17.1	25.6	128	301	180	35	409	235	440	35
99476	106.25	25.49	2530	10.4	957	667	2146	16	1199	5.2	-4.3	15.3	23.9	157	279	133	56	885	210	398	35
99479	106.1	25.49	2470	10.9	872	625	2290	12	1285	5.6	-4	15.7	24.6	154	280	133	51	813	174	369	32
99482	105.96	25.5	2580	10.6	801	589	2181	17	1207	5.2	-4.5	15.4	24.4	156	279	131	56	883	147	343	30
99492	107.1	25.42	1670	18.3	1152	821	4855	0	4326	13.3	4.7	22.8	30.6	43	346	296	12	29	223	517	25
99499	106.4	25.44	2240	12.6	1061	732	2841	0	1934	7.4	-1.1	17.2	25.6	126	302	180	34	403	234	441	36
99500	106.3	25.44	2560	10.2	1013	696	2082	18	1155	5.1	-4.4	15	23.6	158	278	128	58	907	230	416	37
99502	106.2	25.45	2600	10	962	670	2007	23	1075	4.8	-4.8	14.8	23.5	162	276	122	60	978	211	397	36
99504	106.05	25.45	2390	11.4	850	618	2449	8	1413	6	-3.6	16.2	25.2	151	285	145	46	743	161	363	31
99506	105.95	25.45	2200	13.3	746	566	3076	0	2079	7.7	-2	18.3	27.3	124	299	173	32	483	119	334	24
99511	105.65	25.46	2230	14.3	582	469	3439	0	2408	8.6	-1.3	19.5	28.6	111	302	185	25	368	71	274	18
99520	106.45	25.39	2150	13.5	1112	763	3159	0	2286	8.3	0.4	18	26	110	312	208	27	245	247	463	34
99522	106.3	25.4	2200	12.8	1045	728	2917	0	2058	7.6	-0.9	17.4	25.8	117	303	185	32	377	223	437	35
99524	106.2	25.4	2580	10	991	687	2022	22	1097	4.8	-4.7	14.9	23.6	161	277	123	60	968	219	407	37
99527	106	25.41	2460	10.9	844	613	2289	13	1281	5.5	-4.3	15.8	24.9	155	280	133	52	859	160	359	30
99528	105.95	25.41	2090	14.3	732	555	3434	0	2394	8.5	-1.2	19.4	28.3	116	304	190	26	380	115	328	23
99529	105.9	25.41	2180	13.6	710	544	3183	0	2159	7.9	-2	18.7	27.8	123	300	175	30	481	109	319	23
99533	105.6	25.42	2800	10.2	733	554	2072	20	1070	4.9	-4.5	14.9	24	160	276	121	58	860	120	316	29
99544	106.3	25.35	2240	12.4	1085	748	2781	0	1867	7.3	-1.2	17	25.4	129	301	180	35	421	238	449	36
99546	106.2	25.36	2610	9.8	1017	701	1956	26	1050	4.6	-4.9	14.7	23.4	162	275	119	62	1007	227	415	37
99547	106.15	25.36	2450	10.7	980	685	2217	14	1253	5.4	-4.1	15.5	24.4	155	280	133	54	850	209	405	35
99548	106.1	25.36	2540	10.2	948	666	2070	21	1166	4.9	-4.8	15.1	24	156	277	129	60	971	200	392	34
99549	106.05	25.36	2530	10.3	910	647	2099	21	1188	4.9	-4.8	15.2	24.2	155	277	129	59	967	185	379	33
99552	105.9	25.36	2110	14.2	703	537	3416	0	2345	8.4	-1.5	19.4	28.5	119	302	183	27	419	108	315	23

99553	105.6	25.37	2420	12.7	628	492	2880	1	1821	7.2	-2.6	17.7	26.9	132	293	161	35	554	88	284	21
99561	106.4	25.31	1900	15.8	1137	783	3954	0	3401	10.8	3.8	20.1	27.3	57	335	268	17	49	244	480	32
99563	106.15	25.31	2460	10.5	1009	701	2167	16	1235	5.2	-4.2	15.4	24.2	155	280	133	56	886	218	414	36
99564	106.1	25.31	2460	10.5	969	681	2169	17	1248	5.2	-4.5	15.4	24.3	154	280	133	56	914	203	400	35
99566	106	25.32	2520	10.3	893	639	2107	21	1133	4.9	-4.9	15.3	24.3	161	277	129	60	996	177	373	32
99583	106.5	25.26	1880	16.3	1204	814	4134	0	3754	11.5	4.9	20.5	27.4	40	349	301	15	24	270	505	32
99585	106.35	25.26	1850	16.3	1130	785	4135	0	3665	11.4	4.4	20.6	27.6	45	341	289	16	33	236	481	31
99588	106.2	25.27	2370	11.1	1088	749	2343	8	1369	5.9	-3.3	15.8	24.5	152	286	142	48	723	240	444	38
99589	106.15	25.27	2380	10.9	1034	720	2297	11	1303	5.7	-3.8	15.7	24.6	155	283	139	50	789	221	425	36
99591	106.05	25.27	2360	11	932	667	2324	12	1314	5.6	-4.3	15.9	25	155	282	135	51	872	183	389	33
99592	106	25.27	2510	10.2	911	649	2087	23	1120	4.8	-5.1	15.2	24.3	162	277	128	61	1022	183	378	32
99593	105.95	25.27	2580	10	887	635	2018	26	1073	4.6	-5.3	15	24.1	163	276	121	63	1057	176	369	32
99594	105.9	25.27	2610	10	860	621	2022	25	1060	4.6	-5.3	15	24.1	164	276	120	62	1057	166	360	31
99595	105.85	25.27	2220	13	716	546	2971	0	1845	7.3	-3	18.1	27.5	138	293	156	35	630	112	317	24
99609	106.64	25.21	2225	13.7	1286	872	3221	0	2381	8.7	1.2	18.1	25.9	108	319	224	25	186	295	536	37
99612	106.25	25.22	2320	11.5	1174	799	2487	4	1556	6.4	-2.3	16.1	24.6	142	294	161	42	567	266	477	40
99617	106	25.22	2440	10.4	920	658	2147	19	1159	5	-5.2	15.5	24.6	162	279	131	59	1016	181	382	32
99625	105.2	25.24	2070	16.6	469	392	4222	0	3333	10.9	1.2	21.7	31.1	79	320	233	17	144	43	225	15
99627	105.05	25.25	2030	16.8	459	386	4318	0	3478	11	1.5	22.2	31.4	75	323	239	17	125	39	219	16
99651	106.24	25.17	2330	11.4	1210	822	2451	5	1531	6.3	-2.3	16	24.5	143	294	161	43	565	275	490	41
99653	106.14	25.18	2310	11.3	1094	765	2424	6	1433	6.1	-3.1	16	24.7	152	291	148	45	673	229	451	37
99655	106.04	25.18	2510	10	997	699	2021	25	1098	4.7	-5.3	15	24	162	277	124	62	1046	209	408	35
99656	106	25.18	2500	10.1	950	673	2051	25	1101	4.7	-5.4	15.1	24.2	163	277	126	62	1064	193	392	33
99657	105.95	25.18	2400	10.6	886	642	2203	18	1202	5.1	-5.4	15.7	24.9	161	280	132	58	1036	166	371	31
99658	105.9	25.18	2380	10.9	838	615	2304	15	1281	5.4	-5.2	16	25.4	157	280	133	54	988	151	355	29
99661	105.2	25.2	2100	16.4	476	397	4153	0	3273	10.9	1.1	21.4	31	80	321	235	17	153	44	228	15
99672	106.44	25.12	2750	9.4	1260	849	1818	30	957	4.4	-4.5	14	22.5	165	275	113	66	966	299	508	43
99675	106.24	25.13	2160	13.2	1234	864	3037	0	2215	8.2	0.6	17.6	25.2	110	314	213	28	230	257	518	37
99676	106.14	25.13	2600	9.6	1110	761	1900	31	1029	4.4	-5.2	14.5	23.3	163	276	119	66	1049	249	449	39
99679	105.99	25.13	2560	9.8	980	689	1964	31	1053	4.4	-5.6	14.9	23.8	164	276	123	65	1104	204	402	34
99680	105.94	25.14	2420	10.4	910	655	2162	20	1187	5	-5.5	15.6	24.8	161	280	132	60	1045	175	379	32
99681	105.89	25.14	2540	10.1	891	639	2054	26	1101	4.6	-5.6	15.2	24.4	163	277	125	63	1079	175	371	30
99691	104.75	25.16	2414	14.6	507	415	3529	0	2653	8.9	0.1	19.6	28.6	94	309	206	24	221	54	230	21
99712	106.24	25.08	2210	12.7	1271	887	2858	0	2056	7.7	-0.1	17.1	24.8	116	312	207	32	287	267	531	39
99716	106.04	25.09	2580	9.6	1045	726	1921	33	1034	4.3	-5.6	14.7	23.5	164	276	122	67	1095	225	425	36
99717	105.99	25.09	2440	10.3	982	697	2110	22	1158	4.9	-5.4	15.3	24.4	161	279	132	60	1025	198	406	34
99720	105.84	25.09	2490	10.5	861	623	2173	20	1152	5	-5.5	15.6	24.9	163	278	131	59	1031	164	361	29
99722	105.74	25.1	2570	10.5	819	601	2162	19	1146	5	-5.3	15.4	24.9	161	277	128	59	1006	149	348	28
99726	105.09	25.11	2855	11.1	676	526	2324	9	1380	5.8	-3.2	15.6	24.6	135	279	138	47	631	97	294	29

99727	105.04	25.11	2700	12.2	620	491	2687	2	1722	6.9	-2.2	16.9	26	125	289	160	37	480	81	275	25
99738	106.24	25.04	2300	11.8	1291	891	2574	2	1690	6.8	-1.4	16.3	24.3	134	300	175	39	436	281	533	40
99740	106.14	25.04	2454	10.4	1166	804	2123	17	1210	5.2	-4.3	15.1	23.8	156	281	134	58	853	256	475	39
99742	106.04	25.04	2549	9.8	1063	740	1967	29	1063	4.5	-5.5	14.8	23.7	163	276	124	65	1063	228	434	36
99743	105.99	25.04	2440	10.3	1004	710	2123	21	1178	4.9	-5.2	15.3	24.4	160	280	133	60	997	204	414	33
99744	105.94	25.04	2440	10.4	954	680	2157	20	1185	5	-5.4	15.5	24.6	161	280	133	60	1014	189	396	31
99746	105.84	25.05	2550	10.2	892	640	2076	25	1117	4.7	-5.7	15.2	24.5	162	277	125	62	1073	174	372	29
99749	105.64	25.05	2664	10.3	812	602	2103	21	1104	4.9	-5.2	15.2	24.6	161	276	120	60	999	143	347	29
99751	105.34	25.06	2030	16.4	499	411	4160	0	3165	11	0.7	21.5	31.4	88	317	221	17	186	51	241	14
99754	104.95	25.07	2254	15.3	513	424	3760	0	2847	9.6	0.3	20.5	29.9	92	312	211	21	205	51	239	17
99767	105.99	25	2501	10.1	1030	724	2048	25	1128	4.7	-5.4	15.1	24.1	161	278	128	63	1027	214	424	34
99768	105.94	25	2660	9.4	1013	713	1850	39	925	4	-6.1	14.4	23.4	170	272	115	70	1172	211	417	34
99769	105.84	25	2536	10.2	909	651	2095	24	1128	4.7	-5.7	15.3	24.5	162	277	126	62	1061	179	379	30
99770	105.79	25	2433	11	848	621	2338	13	1301	5.5	-5	16.1	25.5	156	280	133	53	934	155	361	27
99771	105.74	25	2560	10.5	852	623	2165	20	1142	5	-5.4	15.4	24.9	162	277	128	59	1020	157	361	29
99786	106.24	24.95	2367	11.4	1315	908	2430	4	1555	6.4	-2.1	15.9	24	140	297	165	43	517	287	542	41
99788	105.99	24.95	2821	8.6	1090	763	1642	56	719	3.4	-6.4	13.6	22.4	177	264	88	78	1276	233	446	38
99789	105.94	24.95	2670	9.4	1035	729	1843	40	931	4	-6.1	14.4	23.3	169	272	114	70	1178	216	425	36
99790	105.89	24.96	2690	9.3	1004	712	1838	40	903	4	-6.2	14.4	23.4	169	269	107	70	1191	205	415	35
99792	105.79	24.96	2424	11.1	869	638	2352	13	1323	5.5	-4.9	16.1	25.5	155	281	134	53	922	157	371	29
99797	105.54	24.96	2417	12.3	717	550	2725	2	1580	6.8	-3.5	17.3	27	146	288	150	39	692	110	318	24
99812	105.94	24.91	2836	8.6	1081	762	1640	57	687	3.4	-6.5	13.6	22.4	180	263	88	78	1294	226	444	39
99813	105.89	24.91	2573	9.9	998	710	1997	29	1063	4.4	-5.9	14.9	24.1	164	276	123	65	1099	201	415	33
99814	105.84	24.91	2689	9.4	989	707	1857	39	907	4	-6.2	14.4	23.6	169	269	107	70	1189	198	411	35
99815	105.79	24.91	2368	11.4	880	650	2472	8	1383	5.9	-4.5	16.5	25.9	155	283	135	48	845	156	379	29
99817	105.69	24.91	2389	11.7	814	611	2557	6	1413	6.2	-4.3	16.8	26.4	154	283	137	44	812	136	355	27
99818	105.64	24.92	2403	11.8	787	595	2590	5	1431	6.3	-4.1	16.9	26.5	153	283	140	43	789	128	345	27
99821	105.19	24.93	2500	12.9	631	501	2950	0	1911	7.6	-2.1	17.8	27.3	124	294	166	32	471	82	285	22
99830	105.94	24.86	2633	9.5	1072	758	1883	36	995	4.1	-6	14.5	23.5	166	275	116	69	1146	221	444	37
99831	105.89	24.86	2470	10.5	1005	723	2168	20	1179	5	-5.3	15.5	24.7	161	279	133	60	982	196	424	33
99833	105.79	24.87	2430	11	917	673	2322	13	1300	5.5	-5	16	25.4	155	280	134	53	926	167	393	30
99838	105.44	24.87	2456	12.2	714	554	2711	2	1583	6.8	-3.3	17.2	26.9	143	287	148	38	668	105	319	25
99848	106.08	24.81	2616	9.6	1205	842	1898	31	1026	4.4	-5.4	14.4	23.1	163	276	121	66	1039	258	497	40
99855	105.54	24.83	2570	11	817	618	2309	12	1237	5.5	-4.9	15.9	25.5	156	277	129	52	912	134	357	29
99856	105.49	24.83	2654	10.6	819	619	2207	16	1171	5.2	-5	15.5	25.1	158	277	125	56	944	135	355	31
99857	105.44	24.83	2300	13.3	680	535	3090	0	1937	8	-2.3	18.3	28.2	131	295	164	30	515	93	310	22
99858	105.19	24.84	2446	13.2	633	506	3038	0	1988	7.8	-2	18.1	27.7	122	295	170	31	455	79	288	22
99862	106.23	24.76	2445	11	1342	938	2294	8	1389	6	-2.8	15.5	23.6	149	291	149	48	612	286	561	41
99864	106.13	24.77	2573	9.9	1261	882	1978	24	1109	4.7	-4.8	14.6	23.2	158	278	130	63	926	269	523	41

99871	105.64	24.78	2500	10.9	875	656	2310	13	1249	5.5	-5.1	15.9	25.6	157	278	132	53	951	149	381	31
99872	105.59	24.78	2470	11.3	834	632	2430	9	1334	5.9	-4.7	16.3	26.1	154	280	134	48	879	136	367	29
99875	105.43	24.78	2240	13.7	677	536	3219	0	2114	8.3	-1.9	18.7	28.6	123	298	171	27	463	90	312	22
99881	106.18	24.72	2390	11.3	1319	934	2400	5	1478	6.3	-2.5	15.8	24	146	294	159	44	567	271	558	40
99883	105.93	24.73	2507	10.2	1123	807	2071	23	1125	4.8	-5.4	15.1	24.2	162	278	127	62	1013	221	475	38
99884	105.88	24.73	2444	10.6	1074	781	2202	16	1215	5.2	-5.1	15.5	24.8	159	280	133	58	952	204	459	36
99887	105.73	24.73	2326	11.8	925	695	2569	5	1423	6.3	-4.1	16.8	26.3	156	286	143	44	785	156	408	31
99888	105.68	24.73	2380	11.5	899	677	2489	7	1379	6	-4.5	16.5	26.2	154	281	134	47	851	151	396	31
99890	105.53	24.74	2484	11.4	827	631	2440	8	1323	5.9	-4.6	16.3	26.1	155	280	134	48	866	131	366	29
99891	105.49	24.74	2539	11.2	817	623	2381	10	1287	5.7	-4.7	16.1	25.8	155	279	132	49	877	129	359	29
99895	105.09	24.75	2512	12.9	647	517	2927	0	1903	7.4	-2.2	17.8	27.2	124	294	165	34	471	82	293	23
99902	105.93	24.68	2662	9.3	1160	828	1827	40	927	4	-6.2	14.3	23.2	169	272	111	71	1183	234	485	41
99904	105.73	24.69	2308	11.8	940	708	2588	4	1431	6.4	-4	16.8	26.4	156	286	144	43	780	158	417	32
99905	105.68	24.69	2480	10.8	951	710	2251	15	1184	5.3	-5.4	15.7	25.4	162	278	130	56	1006	165	414	34
99924	106.08	24.63	2260	12.1	1250	907	2673	1	1742	7.1	-1.7	16.7	24.9	136	301	175	37	460	240	542	37
99927	105.93	24.64	2410	10.7	1152	840	2239	14	1288	5.4	-4.8	15.6	24.7	154	281	134	55	897	218	497	39
99929	105.78	24.64	2422	10.8	1037	770	2260	15	1220	5.3	-5.3	15.8	25.3	161	280	132	56	988	184	452	37
99930	105.63	24.65	2412	11.3	911	691	2416	9	1343	5.8	-4.9	16.3	26.1	154	280	134	49	913	149	403	33
99931	105.58	24.64	2358	11.8	861	660	2594	4	1419	6.4	-4.2	16.9	26.7	155	284	140	43	803	134	385	30
99932	105.53	24.65	2340	12.2	820	632	2697	2	1511	6.7	-3.7	17.2	27	151	286	144	40	733	125	369	28
99933	105.48	24.65	2439	11.7	819	631	2549	5	1398	6.2	-4.3	16.7	26.5	153	282	135	44	811	125	365	30
99934	105.43	24.65	2513	11.4	811	625	2454	8	1305	5.9	-4.4	16.3	26.1	156	280	133	47	836	124	360	30
99941	104.99	24.66	2420	13.7	614	500	3205	0	2197	8.2	-1.3	18.7	27.9	112	299	182	28	361	70	282	22
99942	104.94	24.66	2337	14.4	584	481	3452	0	2535	8.9	-0.5	19.5	28.7	97	304	194	24	277	61	271	19
99943	104.29	24.67	2246	16.1	500	413	4053	0	3191	10.2	1.3	21.2	29.9	82	319	226	19	141	51	232	20
99961	105.58	24.6	2485	10.9	918	696	2302	13	1227	5.4	-5.3	15.9	25.7	159	278	129	54	982	151	404	34
99964	105.38	24.6	2210	13.6	704	560	3186	0	2072	8.2	-2	18.6	28.4	126	299	174	28	468	93	325	23
99968	105.08	24.61	2817	10.7	773	600	2212	13	1160	5.4	-4.1	15.3	24.4	155	277	124	52	775	114	339	32
99970	104.98	24.61	2527	12.8	655	526	2912	0	1909	7.4	-2.1	17.7	26.9	123	295	169	34	455	81	297	25
99971	104.93	24.61	2277	14.8	575	476	3587	0	2687	9.2	-0.1	19.9	29.1	94	310	206	22	245	59	268	18
99980	105.78	24.55	2608	9.6	1109	813	1922	34	999	4.2	-6.5	14.7	24	167	274	115	68	1215	206	475	41
99982	105.68	24.55	2385	11.1	989	747	2358	12	1267	5.6	-5.2	16.1	25.9	160	280	133	52	975	165	438	36
99983	105.63	24.55	2630	9.9	1005	748	1992	29	1013	4.4	-6.3	14.9	24.4	167	274	113	65	1167	178	434	38
99984	105.58	24.55	2478	10.9	933	708	2285	14	1182	5.4	-5.4	15.8	25.6	163	278	130	54	1002	153	412	35
99985	105.53	24.56	2362	11.8	862	663	2589	5	1428	6.3	-4.2	16.8	26.6	154	284	140	43	811	133	386	31
99986	105.48	24.56	2573	10.7	891	678	2230	16	1182	5.2	-5.3	15.6	25.3	159	277	126	56	981	144	391	34
99987	105.43	24.56	2578	10.9	862	659	2276	13	1212	5.4	-5	15.7	25.4	157	277	128	53	933	137	379	32
99989	105.33	24.56	2294	13.1	715	567	3023	0	1894	7.7	-2.6	18.1	27.8	132	295	164	32	534	96	328	24
99990	105.28	24.56	2170	14.2	659	532	3384	0	2308	8.7	-1.4	19.2	28.8	116	303	187	25	378	80	307	22

99991	105.13	24.57	2502	12.5	696	553	2785	1	1724	7	-2.8	17.3	26.7	133	291	157	37	554	92	315	25
99995	104.93	24.57	2337	14.2	599	492	3401	0	2466	8.7	-0.7	19.3	28.4	100	303	189	25	294	65	278	20
100011	105.63	24.51	2488	10.5	992	748	2189	18	1150	5	-5.8	15.6	25.3	163	277	126	60	1078	167	436	37
100012	105.58	24.51	2571	10.3	973	733	2109	21	1103	4.8	-5.9	15.2	24.9	163	276	122	61	1098	165	425	37
100013	105.53	24.51	2485	10.9	914	697	2308	13	1227	5.4	-5.2	15.9	25.6	159	278	130	54	974	147	404	34
100014	105.48	24.51	2573	10.6	905	689	2210	16	1142	5.1	-5.4	15.5	25.2	162	277	126	57	1000	146	398	34
100015	105.43	24.52	2442	11.6	833	644	2527	6	1378	6.1	-4.3	16.6	26.3	154	282	135	45	817	126	372	31
100019	105.23	24.52	2137	14.4	645	522	3474	0	2420	9	-1	19.5	29	111	305	194	23	331	77	300	21
100022	105.08	24.52	2733	11.1	764	597	2331	9	1306	5.7	-3.9	15.7	24.8	145	278	131	49	731	110	339	30
100023	105.03	24.52	2603	12	707	561	2640	3	1607	6.6	-3	16.8	25.9	135	288	155	40	580	94	318	28
100024	104.98	24.52	2553	12.5	677	541	2801	1	1802	7	-2.5	17.3	26.4	126	292	162	37	499	86	307	25
100045	105.73	24.46	2484	10.2	1096	819	2078	24	1114	4.7	-6.3	15.3	24.8	163	276	125	63	1169	192	480	41
100046	105.68	24.46	2481	10.3	1050	789	2129	21	1127	4.8	-6.1	15.4	25.1	163	276	124	61	1129	180	461	40
100047	105.62	24.46	2622	9.8	1034	772	1977	29	1018	4.4	-6.3	14.8	24.3	166	274	113	66	1182	181	447	40
100048	105.58	24.46	2590	10.1	992	746	2064	24	1077	4.7	-6	15.1	24.6	164	276	121	62	1123	169	432	38
100049	105.53	24.46	2512	10.7	935	712	2240	16	1142	5.2	-5.4	15.6	25.3	164	277	129	56	1013	152	412	35
100050	105.48	24.47	2525	10.8	904	690	2271	14	1215	5.3	-5.2	15.7	25.4	158	278	130	54	971	145	399	34
100051	105.38	24.47	2610	10.7	869	666	2237	15	1181	5.2	-5	15.5	25.1	158	277	127	55	938	137	381	34
100052	104.93	24.48	2481	13.1	652	525	2992	0	2000	7.5	-2	17.9	26.9	119	296	173	33	426	79	298	24
100070	105.58	24.42	2630	9.9	1017	762	1994	28	1008	4.4	-6.1	14.8	24.2	167	274	114	65	1152	176	440	40
100071	105.53	24.42	2562	10.4	964	729	2141	20	1111	4.9	-5.7	15.3	24.9	163	276	123	60	1060	161	421	37
100072	105.48	24.42	2462	11.2	897	687	2374	10	1280	5.6	-4.9	16	25.7	157	280	133	51	921	142	397	33
100073	105.43	24.42	2506	11.1	876	673	2351	11	1261	5.6	-4.8	15.9	25.6	156	278	132	51	909	137	388	33
100075	105.23	24.43	2271	13.4	694	555	3103	0	2051	7.8	-2.3	18.3	27.8	124	299	175	31	473	89	319	24
100077	105.03	24.43	2660	11.5	744	585	2473	6	1501	6.1	-3.6	16.2	25.2	134	283	149	44	655	104	333	29
100078	104.83	24.43	2340	14.2	606	496	3386	0	2490	8.6	-0.7	19.2	27.9	98	304	195	25	288	67	282	21
100088	106.07	24.36	2140	12.8	1247	915	2893	0	2006	7.9	-0.4	17.2	25.1	123	308	195	30	338	234	548	35
100093	105.82	24.37	2709	9	1213	882	1749	45	836	3.8	-6.6	14	22.8	172	268	100	74	1257	233	513	44
100094	105.77	24.37	2272	11.3	1088	818	2420	8	1382	6	-4.3	16.2	25.5	155	286	141	48	853	187	483	38
100095	105.72	24.37	2339	10.9	1075	810	2304	13	1261	5.5	-5.2	15.9	25.5	159	280	132	54	990	183	476	39
100098	105.58	24.37	2623	9.9	1027	771	1991	28	1008	4.4	-6.1	14.8	24.2	167	274	114	65	1148	177	445	40
100099	105.52	24.37	2500	10.7	956	726	2232	16	1159	5.2	-5.4	15.6	25.2	163	278	129	56	1011	157	420	36
100100	105.38	24.38	2581	10.8	881	676	2255	14	1200	5.3	-5	15.6	25	157	277	128	54	928	138	388	34
100101	105.33	24.38	2770	9.9	920	698	1980	25	902	4.5	-5.4	14.5	23.8	172	271	104	62	1026	151	398	37
100102	105.28	24.38	2657	10.7	854	657	2221	15	1183	5.2	-4.8	15.4	24.7	156	277	126	54	891	133	375	34
100106	104.98	24.39	2185	14.7	609	499	3578	0	2681	9.1	-0.5	19.8	28.7	94	309	208	22	267	68	284	20
100107	104.88	24.39	2235	14.7	601	493	3569	0	2684	9.1	-0.4	19.8	28.5	94	310	208	22	257	66	280	20
100119	105.77	24.32	2380	10.6	1135	848	2187	17	1206	5.2	-5.4	15.5	24.9	160	280	131	58	1034	200	498	41
100122	105.62	24.33	2370	11	1004	762	2336	11	1251	5.6	-5	15.9	25.5	160	280	133	52	959	166	444	37

100123	105.57	24.33	2531	10.3	1013	763	2118	21	1114	4.8	-5.7	15.2	24.7	163	277	124	61	1080	172	441	39
100125	105.47	24.33	2460	11.1	915	701	2345	12	1270	5.5	-4.9	15.9	25.5	157	280	133	52	924	145	404	35
100126	105.42	24.33	2656	10.2	950	719	2066	22	1027	4.7	-5.5	14.9	24.3	167	276	117	61	1044	158	412	37
100127	105.37	24.33	2605	10.6	903	690	2197	16	1156	5.1	-5.1	15.3	24.7	159	277	126	56	951	145	395	36
100128	105.33	24.33	2747	10	925	703	2004	24	954	4.6	-5.4	14.6	23.8	169	273	107	62	1019	151	401	37
100131	105.13	24.34	2406	12.7	714	567	2855	1	1805	7	-2.9	17.5	26.6	131	294	166	36	535	95	325	26
100135	104.83	24.34	2285	14.4	611	499	3455	0	2583	8.8	-0.7	19.4	27.9	95	307	202	24	278	68	285	21
100145	105.92	24.27	2700	9.1	1293	934	1751	41	890	4	-6	13.9	22.4	170	273	110	73	1164	255	544	45
100150	105.67	24.28	2432	10.5	1071	804	2179	18	1160	5.1	-5.5	15.4	24.8	162	278	129	59	1045	185	468	39
100151	105.62	24.28	2343	11.2	1000	758	2379	10	1343	5.7	-4.6	16	25.5	154	282	134	50	908	166	441	36
100152	105.57	24.28	2573	10.1	1034	776	2058	23	1075	4.7	-5.8	15	24.3	164	276	121	62	1100	178	447	39
100153	105.47	24.28	2441	11.2	916	701	2371	10	1306	5.6	-4.8	15.9	25.5	155	281	134	51	898	146	404	34
100154	105.37	24.29	2495	11.2	872	671	2388	10	1289	5.6	-4.7	15.9	25.4	156	281	133	50	856	135	385	33
100158	105.18	24.29	2317	13	714	567	2974	0	1925	7.3	-2.8	17.8	27	127	296	169	34	507	96	326	25
100171	105.62	24.24	2478	10.4	1051	790	2146	19	1132	5	-5.4	15.3	24.6	163	278	128	60	1037	181	457	39
100172	105.57	24.24	2451	10.8	1002	758	2246	15	1181	5.3	-5.1	15.5	25	162	279	131	56	982	168	438	37
100173	105.52	24.24	2478	10.8	976	740	2250	14	1196	5.3	-5.1	15.5	25	160	279	132	55	969	162	426	37
100174	105.47	24.24	2438	11.2	924	705	2374	10	1304	5.6	-4.8	15.9	25.4	155	281	135	51	890	149	406	34
100175	105.42	24.24	2433	11.4	887	682	2442	8	1338	5.8	-4.6	16.1	25.6	155	283	142	48	840	139	392	33
100178	105.22	24.24	2466	11.8	789	616	2593	5	1505	6.2	-4	16.5	25.7	145	288	150	43	691	115	353	30
100180	105.12	24.25	2499	11.9	760	597	2596	4	1606	6.3	-3.7	16.6	25.6	134	288	155	42	637	107	343	29
100181	104.98	24.25	2622	11.5	754	595	2487	6	1512	6	-3.6	16.1	24.8	134	284	154	45	635	104	341	30
100188	106.11	24.17	2210	12.2	1313	956	2685	0	1782	7.5	-0.7	16.4	24.1	132	304	183	34	380	253	568	36
100190	105.71	24.19	2222	11.6	1042	783	2493	4	1429	6.4	-3.4	16.2	25.2	154	290	147	43	718	180	457	34
100192	105.57	24.19	2415	10.9	996	754	2306	12	1256	5.5	-4.8	15.7	25	158	281	134	52	925	167	435	36
100193	105.52	24.19	2256	12	898	689	2642	3	1500	6.6	-3.7	16.7	26.1	153	290	148	41	717	143	398	31
100194	105.47	24.19	2360	11.6	901	690	2522	6	1397	6.1	-4.3	16.3	25.7	155	286	143	45	799	144	398	32
100198	105.22	24.2	2473	11.7	802	624	2550	5	1477	6.1	-4.1	16.3	25.5	145	287	148	44	698	118	357	31
100199	105.12	24.2	2535	11.6	783	611	2508	6	1489	6	-4	16.2	25.2	139	285	151	45	680	114	351	30
100209	105.62	24.14	2524	10.2	1086	809	2084	20	1088	4.9	-5.3	15	24	164	277	125	60	1030	193	465	40
100210	105.57	24.15	2577	10.1	1067	797	2037	23	1065	4.7	-5.4	14.8	23.9	164	277	122	61	1053	188	456	40
100212	105.47	24.15	2297	12	884	679	2628	3	1494	6.5	-3.9	16.6	26	152	289	148	42	723	140	391	31
100213	105.42	24.15	2520	10.8	940	714	2269	13	1219	5.3	-5	15.4	24.7	157	279	132	53	909	155	408	36
100216	105.27	24.15	2532	11.2	859	662	2383	10	1315	5.6	-4.6	15.7	24.9	152	282	142	49	796	133	378	34
100217	105.22	24.15	2017	14.3	703	558	3418	0	2432	8.9	-1.1	19.1	28.1	110	310	207	24	325	94	323	21
100224	103.89	24.18	2444	15.1	547	454	3699	0	2962	9.8	1.6	19.6	27.8	79	323	236	20	129	53	254	26
100229	105.62	24.1	2471	10.5	1074	802	2168	16	1184	5.2	-4.8	15.2	24.2	159	280	132	57	952	190	460	39
100231	105.52	24.1	2233	12.1	901	689	2677	2	1547	6.8	-3.5	16.8	26	151	292	153	39	673	144	397	30
100232	105.47	24.1	2293	12	888	681	2639	3	1504	6.5	-3.8	16.6	25.9	152	290	149	41	704	141	392	31

100233	105.42	24.1	2439	11.3	915	698	2427	8	1334	5.8	-4.6	15.9	25.1	155	284	142	47	814	148	399	34
100234	105.37	24.1	2531	10.9	925	704	2286	13	1233	5.3	-4.9	15.4	24.6	156	280	132	52	868	151	401	36
100236	105.27	24.11	2554	11	879	675	2325	11	1272	5.4	-4.8	15.5	24.6	153	281	141	50	813	138	385	35
100237	105.22	24.11	2631	10.7	886	679	2209	15	1166	5.1	-4.9	15.1	24.1	156	277	127	54	852	140	388	35
100238	105.17	24.11	2432	12	781	610	2639	4	1614	6.3	-3.8	16.5	25.5	136	290	156	41	619	113	351	30
100262	105.07	24.07	2535	11.4	794	619	2447	8	1507	5.8	-4.1	15.9	24.7	134	286	152	46	668	116	357	31
100263	105.02	24.07	2384	12.4	732	576	2764	2	1815	6.7	-3.1	17	25.6	125	294	168	38	505	101	334	27
100265	104.87	24.07	2567	11.6	756	596	2524	5	1572	6.2	-3.2	16.2	24.4	131	287	155	43	566	105	344	29
100269	103.84	24.09	2346	15.5	536	447	3850	0	3092	10.2	2	20.1	28.3	77	324	243	19	111	51	251	25
100277	105.61	24.01	2508	10.4	1113	826	2113	16	1174	5.2	-4.6	14.9	23.7	157	280	132	57	922	201	471	39
100279	105.51	24.01	2308	11.8	948	718	2555	4	1480	6.4	-3.7	16.3	25.3	152	291	149	42	709	158	411	32
100280	105.47	24.01	2158	12.7	853	655	2882	0	1813	7.5	-2.7	17.3	26.4	139	300	167	33	557	134	377	27
100281	105.42	24.01	2310	12.1	883	675	2679	3	1543	6.6	-3.7	16.6	25.7	150	292	152	40	662	141	386	31
100282	105.37	24.01	2395	11.7	888	680	2552	5	1448	6.1	-4.1	16.1	25.3	151	289	146	43	704	141	387	33
100283	105.32	24.02	2390	11.9	855	657	2612	4	1506	6.2	-4	16.3	25.4	147	290	150	42	659	134	376	31
100286	105.07	24.02	2698	10.4	879	677	2130	16	1126	5.1	-4.6	14.8	23.5	156	278	125	55	812	137	388	35
100289	104.92	24.02	2378	12.4	726	572	2774	2	1884	6.9	-2.6	17.1	25.3	120	296	173	37	459	100	332	27
100290	104.82	24.02	2300	13.3	696	552	3081	0	2228	7.8	-1.5	18.1	25.8	103	300	188	31	346	93	320	25
100304	105.91	23.96	2147	12.1	1207	889	2645	0	1778	7.6	-0.7	16.1	23.8	129	306	184	33	365	221	519	31
100306	105.81	23.96	2354	10.9	1208	887	2273	7	1339	6.1	-2.9	15.2	23.4	152	290	148	47	675	226	512	37
100307	105.76	23.96	2236	11.4	1132	839	2447	3	1521	6.7	-2.4	15.7	24	145	298	167	41	571	203	485	32
100309	105.51	23.97	2344	11.6	979	738	2489	5	1438	6.3	-3.8	16	24.9	152	290	146	43	720	166	420	34
100310	105.46	23.97	2404	11.4	972	734	2437	7	1406	6	-4.2	15.8	24.8	151	288	146	46	763	164	416	35
100311	105.37	23.97	2335	12.1	878	671	2669	3	1556	6.5	-3.7	16.5	25.5	147	292	156	40	632	140	383	31
100313	105.27	23.97	2430	11.8	860	660	2563	5	1510	6	-4.1	16	25	142	289	150	43	642	135	377	32
100315	105.07	23.97	2573	11	832	645	2312	10	1356	5.5	-4.3	15.4	24.1	140	281	142	49	720	125	373	33
100316	105.02	23.98	2431	11.8	762	596	2560	5	1632	6.2	-3.6	16.3	24.9	130	290	159	43	572	109	348	29
100318	104.92	23.98	2413	12	747	586	2637	3	1738	6.5	-2.9	16.7	24.9	125	292	164	40	500	105	341	28
100331	105.56	23.92	2433	10.9	1071	799	2288	9	1303	5.8	-4	15.3	24	154	286	142	49	791	189	453	37
100333	105.46	23.92	2470	11	1020	764	2299	10	1268	5.6	-4.4	15.4	24.2	156	284	141	50	812	177	431	37
100334	105.41	23.92	2446	11.2	973	735	2396	8	1356	5.8	-4.3	15.6	24.5	152	286	144	47	768	163	415	36
100335	105.32	23.92	2384	11.9	887	677	2608	4	1556	6.3	-3.9	16.1	25.1	142	292	153	41	624	142	385	33
100336	105.27	23.93	2365	12.2	851	653	2690	3	1670	6.4	-3.6	16.3	25.3	134	294	163	40	559	133	374	31
100337	105.22	23.93	2248	12.8	802	620	2902	0	1940	7.2	-2.8	17.1	26	123	300	175	35	463	121	357	27
100339	105.12	23.93	2496	11.4	824	637	2430	8	1475	5.7	-4.2	15.7	24.5	135	285	151	46	669	125	369	32
100358	105.56	23.87	2861	8.8	1273	929	1653	40	752	4	-5.1	13.1	21.3	173	267	100	70	1073	244	526	45
100359	105.51	23.87	2588	10.2	1133	838	2050	17	1115	5.1	-4.6	14.6	23.2	159	279	128	57	915	206	471	41
100361	105.36	23.88	2473	11.2	974	735	2366	8	1321	5.7	-4.4	15.5	24.3	152	284	145	47	765	164	413	37
100362	105.17	23.88	2440	11.8	842	648	2546	5	1574	6	-4	15.8	24.7	133	291	158	42	590	130	374	32

100363	105.12	23.88	2525	11.1	853	658	2332	10	1358	5.5	-4.4	15.4	24.1	141	282	145	49	713	131	381	33
100364	105.02	23.88	2210	13	767	594	2966	0	2146	7.5	-1.8	17.6	26.1	107	303	191	33	367	114	345	25
100365	104.97	23.89	2483	11.2	796	620	2387	8	1499	5.8	-3.7	15.8	24.2	132	286	158	47	629	117	364	30
100366	104.92	23.89	2302	12.3	773	600	2735	2	1947	6.9	-2.2	17	25.2	111	297	176	38	409	114	348	27
100367	104.82	23.89	2298	12.8	754	589	2897	0	2115	7.4	-1.6	17.5	24.9	103	299	186	34	355	108	342	26
100379	105.51	23.83	2715	9.5	1220	894	1854	25	975	4.6	-4.6	13.9	22.2	164	277	117	63	964	231	503	43
100380	105.46	23.83	2620	10.1	1143	844	2012	18	1078	5	-4.6	14.5	23	160	277	125	58	922	209	472	42
100381	105.41	23.83	2578	10.4	1087	809	2108	15	1145	5.2	-4.7	14.8	23.4	158	279	129	54	905	193	451	41
100382	105.36	23.83	2480	11.1	1000	752	2326	9	1296	5.7	-4.3	15.3	24.1	153	284	144	48	773	171	421	38
100383	105.31	23.83	2452	11.4	956	724	2425	7	1379	5.9	-4.1	15.5	24.4	149	287	145	45	698	158	408	36
100384	105.26	23.83	2399	11.8	906	689	2578	4	1590	6.2	-3.7	15.9	24.7	135	292	159	41	583	147	393	33
100385	105.16	23.84	2420	11.8	854	656	2548	5	1589	6.1	-3.8	15.9	24.6	132	291	160	42	574	133	379	32
100386	105.11	23.84	2400	11.7	821	633	2532	5	1567	6.1	-3.7	16	24.7	134	290	158	43	578	125	370	30
100388	105.02	23.84	2580	10.7	869	671	2216	11	1315	5.5	-4.1	15.1	23.6	139	280	140	51	730	134	391	33
100390	104.92	23.84	2190	13.3	771	597	3066	0	2312	7.9	-1.2	18	26.1	98	307	199	30	313	115	346	25
100392	104.82	23.84	2183	13.8	745	581	3258	0	2468	8.4	-0.6	18.6	26.1	95	309	205	27	270	108	337	24
100393	104.67	23.85	2178	14.8	691	548	3583	0	2712	9.2	0.1	19.6	26.5	94	313	213	22	220	92	319	22
100404	105.71	23.78	2675	9.6	1337	969	1879	21	1031	5	-3.8	13.8	21.8	159	279	125	60	839	261	551	42
100406	105.51	23.78	2760	9.3	1266	924	1796	27	932	4.6	-4.5	13.6	21.8	165	276	117	63	950	243	521	44
100407	105.46	23.78	2724	9.6	1222	896	1860	24	972	4.7	-4.5	13.8	22.1	164	277	119	62	943	230	504	43
100408	105.41	23.79	2614	10.1	1133	839	2034	17	1092	5.1	-4.5	14.5	23	160	278	127	56	913	206	467	42
100409	105.36	23.79	2500	10.9	1034	775	2261	10	1241	5.7	-4.3	15.2	23.9	156	283	141	49	807	179	431	39
100410	105.31	23.79	2514	10.9	1010	760	2260	10	1245	5.6	-4.4	15.1	23.9	154	282	141	49	797	172	424	39
100411	105.21	23.79	2439	11.5	915	696	2468	6	1520	6	-3.8	15.6	24.4	135	290	154	43	620	149	399	33
100412	105.16	23.79	2328	12.1	863	660	2663	2	1728	6.6	-3	16.3	25	127	295	170	39	494	136	382	29
100413	105.11	23.79	2475	11.2	872	669	2367	8	1451	5.8	-4	15.5	24.2	136	287	153	47	672	137	390	32
100414	105.07	23.79	2574	10.7	906	695	2197	12	1267	5.5	-4.2	15	23.6	144	280	139	51	746	143	404	34
100415	105.02	23.79	2210	12.8	815	627	2904	0	2117	7.5	-1.6	17.3	25.8	107	304	192	33	355	125	363	27
100416	104.97	23.8	2548	10.8	866	669	2248	10	1374	5.7	-3.7	15.2	23.7	135	282	152	49	675	132	392	31
100417	104.92	23.8	2260	12.3	818	628	2747	1	2018	7.1	-1.6	17	25.4	105	300	186	36	359	127	363	27
100418	104.82	23.8	2322	12.3	806	625	2734	1	1978	7.1	-1.8	16.9	24.6	107	298	179	36	366	120	362	28
100420	104.67	23.8	2224	14.2	717	567	3391	0	2575	8.8	-0.1	19	25.7	94	311	210	24	241	98	331	23
100421	104.62	23.8	2523	12.3	779	619	2738	0	1851	7.3	-1.7	16.7	24.1	118	295	175	35	400	104	361	28
100431	105.7	23.73	2598	10.1	1332	966	2007	14	1137	5.5	-3.1	14.2	22	156	284	141	54	733	258	548	41
100432	105.61	23.74	2703	9.6	1323	960	1861	21	1007	4.9	-3.9	13.8	21.7	160	278	124	60	852	258	543	43
100434	105.51	23.74	2760	9.4	1296	943	1799	26	952	4.7	-4.2	13.6	21.6	163	277	121	62	905	251	533	43
100435	105.41	23.74	2696	9.7	1213	890	1905	21	1003	4.9	-4.3	14	22.2	162	277	123	60	902	229	500	42
100436	105.36	23.74	2600	10.2	1124	834	2059	15	1116	5.3	-4.4	14.6	23.1	158	278	129	54	892	202	463	42
100437	105.31	23.74	2601	10.3	1090	813	2077	15	1126	5.3	-4.4	14.6	23.2	157	278	129	54	870	193	454	41

100439	105.16	23.74	2534	10.8	961	730	2245	10	1307	5.6	-4	15	23.7	143	282	142	49	726	158	419	35
100440	105.11	23.75	2534	10.8	936	714	2243	10	1324	5.6	-4	15.1	23.7	141	282	143	49	714	151	413	35
100441	105.06	23.75	2550	10.7	921	705	2218	10	1310	5.6	-3.9	15	23.6	140	281	142	50	713	147	411	33
100442	105.01	23.75	2845	9.6	1041	793	1872	20	929	4.9	-4.2	13.7	22	163	274	114	60	850	171	455	39
100443	104.97	23.75	2540	10.8	893	689	2250	9	1383	5.8	-3.6	15.2	23.6	134	282	153	48	660	138	403	33
100444	104.92	23.75	2346	11.6	855	655	2507	4	1750	6.5	-2.4	16.1	24.7	116	294	172	42	433	135	380	29
100445	104.87	23.75	2447	11.4	853	660	2430	4	1595	6.4	-2.7	15.8	24	126	290	162	42	501	129	387	29
100446	104.82	23.75	2258	12.9	808	624	2930	0	2219	7.7	-1.1	17.5	25.2	98	306	198	32	310	122	362	26
100449	104.67	23.75	2282	13.7	750	591	3207	0	2403	8.4	-0.5	18.3	25.1	96	307	202	27	268	104	345	25
100452	104.47	23.76	2210	15.1	654	528	3714	0	2857	9.7	0.9	19.9	27.2	90	317	218	21	173	80	310	21
100463	105.61	23.69	2389	11.3	1211	888	2382	3	1493	6.6	-2.1	15.3	23.1	140	296	165	41	536	224	503	35
100464	105.56	23.69	2591	10.2	1281	933	2043	13	1162	5.5	-3.2	14.4	22.3	155	284	140	52	743	246	526	40
100467	105.31	23.7	2439	11.3	1037	776	2390	5	1391	6.2	-3.4	15.4	23.9	147	289	146	43	645	179	438	36
100468	105.21	23.7	2557	10.6	1038	780	2181	11	1221	5.6	-3.9	14.9	23.4	151	281	140	50	746	178	443	38
100470	105.11	23.7	2599	10.5	1005	762	2135	12	1214	5.5	-3.9	14.7	23.2	147	280	137	51	744	167	440	36
100471	105.06	23.7	2205	12.8	872	665	2913	0	2109	7.7	-1.3	17.2	25.5	108	306	195	32	342	138	386	27
100472	105.01	23.7	2382	11.5	886	678	2477	4	1630	6.4	-2.7	15.9	24.5	126	292	163	42	511	140	396	30
100473	104.96	23.7	2475	11.1	899	691	2332	6	1460	6.1	-3.1	15.4	23.9	132	286	155	45	585	141	405	31
100475	104.82	23.71	2423	11.8	859	665	2546	2	1732	6.8	-2.2	16.2	24.1	121	294	170	39	437	130	389	29
100478	104.62	23.71	2475	12.6	796	631	2821	0	1944	7.6	-1.3	16.9	24.3	112	296	179	32	362	108	369	27
100486	105.51	23.65	2001	13.3	1075	798	3068	0	2319	9.1	1	17	24.2	103	328	251	22	197	183	461	25
100487	105.46	23.65	2422	11.2	1164	858	2369	3	1464	6.5	-2.5	15.3	23.3	141	294	160	42	576	212	484	36
100488	105.41	23.65	2958	8.7	1340	978	1595	37	824	4.2	-4.2	12.7	20.5	159	268	104	68	934	257	556	44
100489	105.21	23.65	2517	10.9	1052	789	2255	8	1317	5.9	-3.4	15	23.4	144	284	144	46	673	182	450	36
100490	105.16	23.66	2440	11.3	990	748	2403	5	1524	6.3	-3	15.5	23.9	132	291	158	43	581	165	431	34
100491	105.11	23.66	2469	11.1	977	741	2345	6	1477	6.1	-3.1	15.3	23.8	132	288	154	44	602	161	429	33
100492	105.06	23.66	2440	11.3	948	722	2394	5	1512	6.3	-2.9	15.5	24	133	291	157	43	564	154	421	32
100496	104.82	23.66	2414	11.9	878	680	2589	1	1768	7	-2	16.2	24.2	119	295	174	37	422	133	398	29
100497	104.77	23.66	2474	11.9	874	682	2571	1	1701	7	-2.1	16.1	24	123	292	165	37	444	129	400	29
100499	104.67	23.66	2461	12.4	831	655	2765	0	1882	7.5	-1.5	16.7	24.3	116	296	179	33	377	116	383	28
100500	104.57	23.67	2210	14.8	709	566	3589	0	2740	9.4	0.7	19.4	26.7	92	316	216	21	189	92	332	22
100509	105.5	23.6	1949	13.9	1096	811	3252	0	2610	9.8	2	17.5	24.3	81	329	246	21	135	186	470	24
100510	105.45	23.6	2237	12.3	1120	829	2735	0	1868	7.8	-0.7	16.2	23.9	121	304	182	31	347	197	474	29
100516	105.16	23.61	2540	10.8	1071	804	2227	7	1298	6	-3.1	14.9	23.2	144	284	144	46	647	185	462	36
100519	105.01	23.61	2604	10.6	1025	781	2168	8	1282	5.9	-3.2	14.7	23.1	140	282	140	47	667	168	455	34
100524	104.77	23.62	2471	11.9	893	696	2594	1	1728	7.2	-1.9	16.1	24.1	122	294	166	35	435	133	409	29
100540	105.45	23.56	2513	10.8	1282	934	2232	5	1388	6.3	-2	14.9	22.5	141	293	159	43	554	245	530	37
100545	105.16	23.56	2368	11.8	1033	776	2561	1	1687	7	-1.8	15.9	24.1	126	296	173	37	448	176	449	31
100546	105.06	23.57	2385	11.8	995	755	2547	1	1709	7	-1.9	15.9	24.2	123	296	171	37	453	164	439	31

100547	105.01	23.57	2588	10.8	1049	799	2216	6	1318	6.2	-2.9	14.8	23.1	138	283	147	44	626	173	466	34
100549	104.91	23.57	2575	11	1007	775	2292	4	1409	6.5	-2.7	15	23.4	133	286	154	42	587	160	455	33
100550	104.86	23.57	2668	10.8	1015	785	2204	5	1285	6.3	-2.9	14.6	23	138	280	140	44	632	158	460	34
100554	104.61	23.57	2675	11.7	894	711	2502	1	1592	6.9	-1.9	15.6	23.6	126	289	162	38	461	121	413	31
100555	104.57	23.57	2812	11.2	907	722	2363	3	1455	6.5	-2.1	15.1	23.1	131	286	154	41	506	121	415	34
100556	104.52	23.58	2667	12.1	844	677	2653	0	1723	7.3	-1.3	16.1	24	122	291	164	35	397	108	393	29
100558	104.17	23.58	2370	15	632	525	3651	0	2931	9.8	1.8	19.2	27	79	325	239	20	128	64	306	20
100573	104.91	23.52	2489	11.5	998	767	2460	1	1568	7	-2.1	15.5	23.8	128	291	162	37	488	158	450	31
100576	104.76	23.53	2783	10.7	1010	789	2182	6	1274	6.2	-2.7	14.5	22.7	138	280	138	44	610	150	457	35
100579	104.22	23.53	2396	14.7	659	546	3559	0	2801	9.5	1.5	18.9	26.7	84	321	227	22	145	68	318	21
100580	104.17	23.54	2390	14.9	644	535	3618	0	2902	9.7	1.7	19.1	26.9	79	324	240	21	131	65	311	21
100591	105.5	23.47	2210	12.9	1225	902	2920	0	2159	8.7	0.9	16.5	23.5	106	322	232	25	217	217	518	29
100593	105.35	23.47	2752	9.8	1383	1007	1909	13	1117	5.5	-2.4	13.7	21.1	147	283	142	52	636	268	576	41
100594	105.3	23.47	2345	12.1	1163	862	2641	0	1791	7.6	-0.7	16	23.6	121	301	178	32	360	206	495	32
100597	104.96	23.48	2450	11.8	1025	784	2540	0	1675	7.2	-1.7	15.8	23.9	124	295	167	35	443	165	459	30
100602	104.71	23.48	2628	11.6	965	759	2480	1	1542	7.1	-2	15.4	23.6	129	289	159	36	487	138	445	31
100604	104.57	23.48	2336	13.9	793	632	3291	0	2483	8.9	0.3	18.2	25.8	94	311	209	24	226	104	371	24
100618	105.35	23.42	2380	12	1233	910	2596	0	1752	7.6	-0.5	15.8	23.1	122	301	178	32	351	222	523	33
100627	104.76	23.44	2473	12.3	956	748	2727	0	1796	7.7	-1.2	16.3	24.4	121	295	176	32	384	140	440	29
100628	104.71	23.44	2497	12.4	936	736	2748	0	1816	7.7	-1.2	16.3	24.4	120	295	176	32	377	134	433	28
100629	104.66	23.44	2477	12.7	903	714	2860	0	1939	8	-0.8	16.7	24.7	115	298	183	30	338	125	418	28
100630	104.52	23.44	2210	15.1	739	592	3683	0	2892	9.8	1.4	19.5	27.1	84	320	224	20	152	95	349	21
100631	104.47	23.44	2027	16.5	663	531	4196	0	3381	11.1	2.6	21.2	28.8	74	325	232	16	90	86	315	18
100632	104.32	23.44	2095	16.2	623	508	4109	0	3316	10.8	2.6	20.8	28.6	73	324	234	17	88	72	301	17
100635	104.07	23.45	2652	13.7	697	580	3198	0	2416	8.7	0.8	17.5	25.8	91	308	203	25	195	69	328	26
100649	105.06	23.38	2000	15.2	990	746	3721	0	2959	10.6	2.2	19.3	26.2	81	327	242	18	121	160	439	23
100650	105.01	23.39	2051	14.9	971	736	3612	0	2825	10.2	1.8	19	26.1	85	323	230	19	142	156	433	23
100651	104.96	23.39	2453	12	1065	814	2623	0	1735	7.6	-1.2	15.9	23.9	122	296	174	32	396	171	476	30
100652	104.86	23.39	2455	12.3	1015	785	2703	0	1786	7.7	-1.1	16.2	24.2	121	296	177	32	381	156	460	30
100670	105.15	23.34	1918	15.7	1057	789	3922	0	3252	11.3	3.1	19.7	26	66	332	257	16	79	175	466	22
100675	104.91	23.34	2395	12.6	1034	795	2838	0	1933	8.1	-0.6	16.5	24.4	116	301	182	29	322	161	466	29
100676	104.81	23.34	2476	12.4	1010	786	2749	0	1832	7.9	-0.9	16.2	24.3	119	297	179	30	362	151	460	30
100682	104.37	23.35	2087	16.3	657	532	4112	0	3299	10.9	2.6	20.8	28.5	75	324	234	17	90	80	315	17
100683	104.32	23.36	2426	14.3	733	603	3437	0	2645	9.2	1.1	18.5	26.4	91	317	219	22	177	80	349	23
100684	104.27	23.35	2562	13.7	750	621	3229	0	2440	8.6	0.6	17.7	25.9	93	309	203	25	214	77	355	26
100685	104.22	23.35	2390	14.8	688	569	3589	0	2842	9.6	1.6	18.9	27	82	321	231	21	142	72	329	22
100686	104.12	23.35	2620	13.8	714	595	3229	0	2453	8.7	0.8	17.7	26	91	309	205	25	197	70	337	26
100687	104.02	23.36	2350	15.4	619	518	3795	0	3043	10.3	2.4	19.4	27.8	78	327	241	19	99	60	299	20
100699	104.91	23.3	2400	12.7	1049	808	2874	0	1991	8.2	-0.4	16.6	24.4	112	302	183	28	305	162	472	29

100700	104.86	23.3	2607	11.6	1086	843	2495	0	1549	7.3	-1.5	15.3	23.4	131	292	162	35	442	164	491	33
100701	104.76	23.3	2686	11.5	1048	823	2468	1	1535	7.1	-1.6	15.2	23.4	130	290	160	36	457	150	476	34
100705	104.27	23.31	2530	13.9	750	621	3293	0	2502	8.8	0.8	18	26.1	92	310	207	24	201	77	355	26
100709	104.02	23.31	2310	15.6	614	513	3855	0	3080	10.4	2.4	19.6	28.1	78	326	240	18	98	60	297	19
100713	103.63	23.32	2450	15	563	469	3668	0	2931	10.2	2	18.9	27.7	78	326	243	19	116	55	265	22
100728	104.71	23.26	2638	12	1015	803	2628	0	1730	7.4	-1.1	15.8	23.9	122	294	169	34	395	139	464	32
100730	104.32	23.26	2550	13.8	779	644	3232	0	2451	8.6	0.6	17.8	26	93	309	203	25	220	81	367	26
100731	104.27	23.26	2480	14.2	745	615	3394	0	2613	9	1	18.3	26.5	91	315	215	23	184	78	352	25
100732	104.12	23.26	2710	13.3	749	624	3091	0	2309	8.3	0.5	17.1	25.6	93	303	190	27	230	72	349	29
100734	104.02	23.27	2420	15	650	542	3647	0	2928	9.9	1.9	18.9	27.5	79	326	245	20	124	64	311	21
100738	103.58	23.27	2630	14.2	596	494	3382	0	2638	9.5	1.6	17.9	26.6	81	317	224	22	143	59	276	25
100747	104.9	23.21	2746	11	1162	899	2295	2	1422	6.8	-1.7	14.6	22.5	132	289	157	39	478	176	518	35
100748	104.76	23.21	1795	17.8	840	651	4655	0	4043	12.7	4.2	22.4	29.1	51	339	278	13	42	125	390	17
100749	104.66	23.21	1866	17.4	793	619	4531	0	3879	12.3	3.8	22.1	29.1	56	335	271	14	53	115	370	17
100752	104.27	23.22	2130	16.1	663	541	4070	0	3247	10.8	2.5	20.6	28.5	77	324	231	17	94	77	318	18
100757	103.92	23.22	2570	14.3	665	556	3417	0	2659	9.3	1.4	18.1	26.8	85	318	220	21	156	63	314	24
100771	104.31	23.17	2600	13.6	805	669	3175	0	2408	8.3	0.4	17.5	25.9	93	306	195	27	238	80	377	28
100790	104.36	23.12	2012	16.7	699	560	4282	0	3627	11.4	3	21.3	29.1	60	331	264	16	77	90	333	17
100791	104.31	23.13	2745	12.9	848	705	2923	0	2117	7.6	-0.2	16.9	25.1	106	301	182	32	290	83	392	32
100793	104.21	23.13	2310	15.2	709	583	3739	0	2975	10	1.8	19.4	27.7	80	322	238	20	133	77	338	21
100794	104.02	23.13	2130	16.2	608	497	4075	0	3218	10.9	2.4	20.5	29.1	78	322	233	17	98	69	291	18
100796	103.58	23.13	2512	14.6	589	487	3519	0	2793	9.9	1.7	18.3	27.2	78	322	238	20	137	60	275	23
100797	103.53	23.13	2578	14.4	595	491	3430	0	2712	9.7	1.6	18	26.8	79	321	234	21	141	61	275	25
100806	104.51	23.08	1638	19.2	725	573	5172	0	4765	13.8	5.1	24.2	31.5	33	351	322	11	21	103	347	14
100811	104.26	23.08	2764	12.9	840	701	2943	0	2179	7.7	-0.1	17	25.2	101	302	183	32	281	79	388	32
100813	103.87	23.09	2460	14.8	651	542	3569	0	2848	9.8	1.7	18.6	27.4	79	323	240	20	141	64	309	23
100814	103.82	23.09	2500	14.6	649	539	3506	0	2763	9.7	1.6	18.3	27.2	81	320	229	21	147	64	306	23
100815	103.58	23.09	2647	14	625	517	3311	0	2523	9.4	1.5	17.5	26.3	85	313	210	21	154	62	289	26
100823	104.85	23.03	1813	17.7	976	755	4608	0	4041	12.9	4.3	21.9	28.6	47	342	285	12	35	144	451	18
100824	104.8	23.03	1950	16.7	960	747	4258	0	3586	12	3.5	20.8	27.9	60	333	264	14	60	139	444	20
100827	104.65	23.03	2599	12.8	1015	813	2890	0	2020	8.1	-0.1	16.5	24.6	112	302	183	29	286	128	465	31
100831	104.36	23.03	2560	13.8	844	699	3235	0	2486	8.5	0.6	17.7	26.1	93	311	204	26	223	85	394	29
100832	104.31	23.03	2772	12.8	869	724	2902	0	2110	7.6	-0.2	16.9	25.1	106	301	183	32	292	83	400	33
100835	103.92	23.04	2500	14.5	680	566	3489	0	2730	9.6	1.5	18.3	27.1	85	320	226	21	154	67	321	24
100836	103.87	23.04	2460	14.7	659	547	3552	0	2799	9.8	1.6	18.5	27.4	82	321	232	20	147	66	312	23
100837	103.82	23.04	2510	14.5	659	548	3488	0	2720	9.7	1.5	18.2	27.1	85	320	224	21	152	65	311	24
100843	103.33	23.05	2367	15.1	534	432	3701	0	2939	10.4	1.8	19	27.9	78	325	240	18	128	62	246	22
100859	104.56	22.99	2519	13.5	947	767	3142	0	2354	8.6	0.5	17.3	25.5	98	311	203	25	231	112	438	29
100863	104.36	22.99	2758	12.8	898	745	2896	0	2104	7.6	-0.2	16.9	25	106	301	183	32	289	89	412	34

100864	104.31	22.99	2790	12.7	881	734	2869	0	2077	7.6	-0.2	16.8	24.9	107	301	180	32	292	84	405	34
100865	104.26	22.99	2611	13.7	819	684	3227	0	2482	8.4	0.6	17.8	26.2	93	310	203	27	225	77	382	29
100869	103.82	23	2450	14.7	655	541	3560	0	2801	9.9	1.6	18.5	27.4	82	321	231	20	147	68	309	23
100870	103.77	23	2260	15.4	605	495	3814	0	3013	10.4	1.7	19.5	28.6	79	322	235	18	136	68	288	20
100872	103.62	23	2710	13.7	666	551	3190	0	2405	9.2	1.3	17.1	25.9	86	308	203	22	169	67	308	28
100886	104.7	22.94	2119	15.7	961	757	3905	0	3084	11	2.6	19.7	27.2	80	325	231	17	96	131	446	23
100889	104.51	22.94	2300	14.8	885	713	3608	0	2801	9.9	1.7	18.8	26.9	88	320	226	20	147	108	414	25
100892	104.35	22.94	2620	13.5	871	723	3154	0	2420	8.3	0.5	17.5	25.8	92	307	196	27	237	86	404	31
100895	103.77	22.95	2430	14.8	647	535	3578	0	2810	10	1.6	18.5	27.5	82	321	231	20	147	67	306	23
100898	103.62	22.95	2700	13.7	673	556	3200	0	2408	9.3	1.4	17.1	25.9	86	308	202	21	168	68	311	28
100918	104.26	22.9	2523	14.1	823	683	3345	0	2584	9	1.1	17.9	26.5	91	314	214	23	189	82	386	28
100922	103.77	22.91	2400	14.8	652	537	3599	0	2814	10.1	1.6	18.6	27.7	83	321	230	19	149	70	309	23
100939	104.41	22.85	1735	18.3	764	608	4856	0	4293	13.1	4.2	23	30.9	44	341	287	12	39	104	366	16
100944	103.77	22.86	2450	14.6	670	552	3521	0	2727	10	1.6	18.2	27.3	85	319	224	20	152	71	317	23
100945	103.72	22.86	2500	14.4	670	552	3458	0	2671	9.9	1.6	18	27.1	84	317	220	20	152	71	316	24
100953	104.85	22.8	1623	19.2	1044	822	5157	0	4993	14.6	5.8	23.3	30.2	12	359	346	10	8	143	494	17
100960	104.21	22.81	2174	15.7	760	617	3903	0	3084	10.7	2.1	19.7	28.4	80	323	237	17	120	90	362	21
100965	103.67	22.82	2399	14.8	648	532	3592	0	2802	10.2	1.6	18.5	27.6	82	320	229	19	149	71	308	23
100976	104.55	22.76	2270	15	954	767	3649	0	2894	10.3	2.1	18.7	26.9	81	324	245	19	123	117	446	26
100979	103.87	22.77	2020	16.1	636	514	4043	0	3142	10.9	1.5	20.5	29.6	82	320	232	17	149	80	308	18
100991	104.75	22.71	2220	15.1	1074	850	3692	0	2891	10.7	2.4	18.7	26.5	82	324	234	17	103	142	496	26
101004	104.79	22.66	1877	17.3	1072	847	4489	0	3933	13	4.4	21.1	28.5	46	342	286	13	33	144	503	21
101005	104.75	22.66	2254	14.9	1091	866	3626	0	2848	10.6	2.4	18.4	26.2	82	325	238	18	106	142	505	26
101025	104.26	22.63	2563	13.8	905	746	3234	0	2495	9.5	1.3	17.2	25.9	87	314	208	22	171	94	424	30
101037	104.25	22.58	2462	14.2	895	737	3389	0	2633	10	1.7	17.5	26.4	86	320	227	20	147	95	423	28
101047	104.3	22.54	2617	13.5	959	789	3118	0	2389	9.4	1.2	16.7	25.4	88	314	210	21	175	101	448	31
101049	104.21	22.54	2035	16.2	806	654	4080	0	3203	11.4	2.6	20.1	28.9	79	324	231	16	93	97	390	22
101077	103.62	22.41	2296	15.3	723	599	3766	0	2937	11.2	2.6	18.7	27.8	80	325	235	16	100	77	355	24
101082	104.84	22.34	2222	15.1	1223	978	3683	0	3013	11.3	3.1	18.1	26	68	332	258	16	72	151	569	27
101089	103.86	22.36	2090	16	749	621	4010	0	3181	11.5	2.8	19.9	28.6	73	324	238	15	89	81	373	22
101090	103.62	22.36	2453	14.7	757	630	3557	0	2786	10.9	2.6	18	26.9	77	324	234	16	97	78	368	25
101108	103.62	22.27	2360	15.2	767	642	3735	0	3059	11.4	3.1	18.5	27.4	65	330	253	15	76	77	378	25
101148	103.91	22.09	2414	15	893	752	3645	0	2990	11.2	3.5	18.1	26.7	61	332	261	14	54	83	437	28
101154	103.91	22.04	2615	13.9	941	787	3276	0	2563	10.5	2.8	17.2	25.6	70	322	233	15	81	90	451	30
101194	103.17	21.87	2417	15.5	773	649	3840	0	3241	11.8	3.7	19	27.7	54	334	265	15	54	73	377	29
101195	103.12	21.87	2452	15.3	767	641	3771	0	3157	11.6	3.5	18.7	27.4	56	332	260	15	60	74	371	30
101254	103.61	21.64	1998	18	830	722	4716	0	4418	13.1	5.1	22.4	30.6	22	352	333	12	17	63	422	26
101362	104.42	21.17	1700	17.6	1069	922	4590	0	4535	14.2	6.1	20.6	29.2	5	363	359	11	7	82	535	26
101581	104.89	20.26	1519	17.9	1321	1069	4707	0	4027	14.5	4.6	20.6	30	50	344	287	11	29	129	587	31

101610	103.78	20.14	2380	14.8	1007	800	3588	0	3147	11.9	4.7	17.9	25.9	41	343	290	14	27	112	394	54
101611	103.69	20.14	2274	15.4	959	766	3784	0	3366	12.4	4.9	18.5	26.6	39	348	304	14	22	102	376	54
101621	103.69	20.09	2342	15.1	974	774	3686	0	3290	12.1	4.9	18.2	26.1	39	349	305	14	22	107	378	54
101622	103.64	20.09	2716	13.4	1065	845	3072	0	2596	10.7	4.2	16.3	23.8	52	336	271	17	41	116	418	53
101631	103.73	20.05	2229	15.6	973	771	3861	0	3550	12.6	5.2	18.7	26.8	28	352	328	13	17	105	371	54
101632	98.46	20.02	2695	12.9	620	510	2888	0	2000	10.6	2	15.2	23.3	78	305	210	18	113	51	202	101
101645	98.41	19.97	2834	12.3	669	556	2667	0	1795	9.7	1.3	14.7	22.5	83	296	192	21	155	53	229	107
101655	103.83	19.96	2143	16	1001	789	4001	0	3765	13	5.5	19	27.3	21	356	341	13	13	108	374	53
101659	103.35	19.96	2258	15.7	963	776	3893	0	3750	12.8	5.7	18.7	26.5	14	360	354	13	11	91	383	50
101661	103.16	19.96	2188	15.7	955	779	3876	0	3757	12.8	5.8	18.6	26.3	12	361	359	13	10	82	392	48
101668	103.44	19.91	1910	17.6	961	777	4555	0	4463	14.2	6.1	21	28.9	9	363	363	11	6	89	380	47
101669	103.35	19.91	1830	18	961	785	4706	0	4585	14.3	6.1	21.7	29.4	12	363	362	11	7	85	391	44
101674	103.01	19.92	2162	15.6	930	763	3846	0	3728	12.8	5.7	18.5	26.2	12	361	357	13	11	79	382	49
101687	103.4	19.87	2065	17.2	974	783	4408	0	4336	14	6.4	20.4	28.2	7	363	364	11	4	91	382	48
101695	101.91	19.88	2618	14.8	926	783	3561	0	2950	11.3	3	17.8	26	57	332	262	16	65	58	413	56
101712	103.73	19.82	2112	16.7	1002	790	4252	0	4199	13.8	6.3	19.8	27.9	5	363	363	11	5	105	375	49
101715	103.4	19.82	1950	18	986	797	4722	0	4644	14.7	6.7	21.5	29.4	7	363	363	10	3	90	392	46
101722	102.44	19.83	1948	14.7	981	831	3520	0	2816	11.8	3.1	17.8	27	62	329	252	15	70	61	436	48
101724	101.96	19.83	2230	15.3	919	773	3764	0	3124	12	3.4	18.2	26.7	56	334	264	14	57	60	422	48
101725	100.76	19.83	2413	14.6	1165	999	3509	0	2808	11.7	2.9	17.1	25.5	61	328	251	15	76	68	529	82
101737	103.63	19.78	2121	17.1	993	786	4385	0	4329	14.2	6.6	20.2	28.2	5	363	363	11	3	101	375	47
101738	103.59	19.78	2280	16.3	986	778	4094	0	4042	13.5	6.4	19.3	27.1	5	363	363	12	5	103	370	48
101744	102.77	19.78	1759	17.6	927	768	4564	0	4488	14.5	5.9	20.7	29.5	6	362	362	11	9	73	388	48
101749	102.29	19.78	2257	14.3	1012	847	3402	0	2824	11.7	4	17	25.3	54	336	265	15	47	64	448	48
101750	102.25	19.78	2214	14.5	1018	854	3461	0	2873	11.8	4	17.1	25.5	54	336	266	15	47	63	455	48
101751	102.2	19.78	2179	14.7	1024	860	3533	0	2928	11.9	4	17.4	25.8	55	336	268	14	47	63	461	48
101752	102.15	19.78	2475	14.4	976	817	3422	0	2801	11.4	3.5	17.1	25.3	60	333	264	16	57	64	431	51
101775	103.63	19.73	2208	16.8	995	785	4284	0	4229	14	6.7	19.9	27.8	5	363	363	11	3	104	373	46
101790	102.15	19.74	2408	14.5	998	835	3449	0	2810	11.5	3.6	17.1	25.4	62	334	266	15	56	65	441	50
101791	102.1	19.74	2183	14.9	1033	868	3621	0	2966	12	3.8	17.5	26.1	59	335	266	14	52	64	468	49
101792	102.05	19.74	2140	15.1	1034	871	3693	0	3030	12.1	3.7	17.8	26.4	59	335	266	14	53	64	472	50
101795	101.86	19.74	2826	13.8	1024	859	3214	0	2627	10.6	2.8	16.7	24.6	62	331	263	18	76	67	441	61
101796	101.81	19.74	2580	15.1	946	803	3664	0	2958	11.4	2.5	18	26.6	65	330	256	16	82	57	420	56
101797	101.77	19.74	2416	15.7	897	766	3885	0	3200	11.9	2.6	18.6	27.4	60	333	268	14	77	53	408	51
101798	101.58	19.74	2332	16.2	850	731	4090	0	3481	12.7	3.6	19.3	28	46	336	285	13	43	48	385	46
101799	101.53	19.74	2846	13.8	1078	913	3225	0	2633	10.6	3	16.8	24.6	61	330	258	18	68	67	466	67
101820	103.68	19.69	2188	17.1	1006	793	4370	0	4333	14.3	6.9	20.1	28	4	364	363	11	2	105	377	43
101831	102.29	19.69	2530	14	1027	850	3293	0	2693	11.3	3.8	16.6	24.7	61	335	266	16	50	72	440	50
101832	102.25	19.69	2444	14.2	1027	854	3367	0	2750	11.5	3.8	16.8	25	61	335	266	15	50	69	445	50

101839	100.95	19.69	2442	14.9	1237	1060	3605	0	3091	11.8	3.6	17.7	26.1	45	338	282	15	52	72	548	82
101860	103.54	19.64	1770	20.2	1077	883	5484	0	5412	17	7.9	23.5	31.8	6	364	365	8	1	90	456	37
101867	102.01	19.65	2580	14.4	1008	844	3435	0	2807	11.2	3	17.1	25.4	62	333	260	16	70	65	438	53
101872	101.43	19.65	2589	15.1	1046	895	3669	0	3101	11.7	3.5	18.1	26.4	49	335	271	15	51	58	455	61
101875	101	19.65	2188	16.3	1069	926	4113	0	3980	13.2	4.1	19.4	28.3	13	361	360	12	24	56	478	70
101908	102.1	19.6	2328	14.7	1056	881	3545	0	2893	11.8	3.7	17.2	25.6	61	335	265	15	53	69	464	47
101910	101.77	19.6	2540	15.1	987	835	3663	0	3007	11.5	2.7	17.8	26.5	61	333	265	15	77	60	432	53
101912	101.48	19.6	2300	16	953	815	4014	0	3428	12.7	3.8	18.9	27.8	45	337	284	13	42	56	417	51
101939	102.15	19.56	2720	13.7	1075	887	3181	0	2614	10.9	3.5	16.3	24.2	60	334	263	17	58	76	450	55
101940	101.96	19.56	2311	15.1	1039	869	3672	0	2980	11.9	3.4	17.4	26.1	62	333	262	14	61	69	460	45
101942	101.77	19.56	2460	15.2	992	838	3720	0	3026	11.8	2.9	17.8	26.6	62	332	262	15	72	61	436	49
101955	99.38	19.54	2739	13.2	1039	896	2972	0	2141	10.9	3	15.3	23	71	309	210	17	78	52	422	115
101969	102.15	19.51	2237	15	1134	941	3630	0	3070	12.2	4.3	17.3	25.8	50	340	285	14	39	76	491	47
101997	102.2	19.47	2588	14.1	1101	905	3335	0	2758	11.4	4	16.6	24.6	58	337	271	16	45	77	458	50
101998	102.15	19.47	2160	15.3	1184	981	3734	0	3240	12.5	4.6	17.6	26	43	344	290	13	31	80	509	47
102005	101.24	19.47	2262	16	1164	993	4012	0	3553	12.9	4.5	19.1	28	40	348	300	13	32	67	487	72
102012	100.67	19.46	2108	16.7	1099	935	4258	0	4088	13.8	5.5	19.6	28.6	13	358	351	11	15	64	482	65
102016	100.29	19.46	2172	15.9	992	843	3953	0	3442	13	4.6	18.5	27.3	43	345	291	13	30	61	444	68
102053	102.39	19.38	2080	16.2	1244	1021	4053	0	3965	13.7	6	18.7	27.1	8	362	361	12	8	87	521	46
102058	101.62	19.38	2300	15.5	1061	883	3816	0	3170	12.4	4.1	17.8	26.5	55	337	280	14	42	68	438	45
102097	99.43	19.31	2948	11.2	1054	915	2307	0	1373	9.2	1.2	13.1	20.3	91	280	149	22	189	53	433	120
102112	101.58	19.29	2180	15.7	1095	901	3885	0	3437	12.9	5	18.1	26.5	40	349	304	13	22	70	429	46
102113	101.43	19.29	1941	16.7	1095	938	4248	0	4001	14.1	5.4	19.4	28.4	19	356	342	11	15	63	464	59
102181	98.81	19.16	2692	13.6	785	672	3114	0	2572	11.3	3.8	15.7	23.2	44	327	265	16	45	42	295	107
102198	100.2	19.14	2304	15.7	1075	902	3876	0	3843	13	6.5	18.3	27.5	2	362	360	13	3	60	437	64
102232	99.53	19.08	2657	12.4	1043	911	2709	0	1536	9.4	-0.1	14.5	23	115	289	165	21	264	47	436	112
102240	98.58	19.07	2978	11.9	917	790	2518	0	1566	9.5	2	14	21.8	87	284	158	22	138	44	338	132
102253	99.01	19.03	2470	15.8	976	851	3931	0	3822	13.3	5.6	18.4	25.6	8	359	353	12	11	42	385	104
102277	97.34	18.94	2885	11.9	707	596	2523	0	1598	10	2.3	14.2	21.2	86	291	169	20	120	50	212	123
102286	98.82	18.94	2000	19.3	1019	869	5184	0	5136	17.2	9.2	21.7	29.2	3	363	364	8	0	49	378	82
102457	100.54	17.88	1810	21	1354	1135	5788	0	5702	19.5	12.8	23	30.3	4	362	359	7	0	60	546	68
102491	100.87	17.74	2034	19.4	1582	1269	5193	0	5168	17.6	10.8	20.5	28	2	364	364	8	0	101	608	71
102496	99.88	17.73	2236	16.3	1421	1236	4097	0	4098	14.9	8.8	17.8	24.1	0	364	364	10	0	55	562	136
102531	96.78	17.57	2304	14.1	1110	902	3286	0	3194	12	6	16.5	23.3	6	357	338	14	8	103	394	84
102582	99.6	17.55	2226	15.6	1499	1297	3857	0	3857	14.2	7.9	17	23.3	0	364	364	11	0	67	587	119
102697	96.5	17.33	2137	15.8	1050	836	3923	0	3896	13.7	6.6	18.3	25.6	1	362	361	12	3	103	354	90
102738	96.27	17.28	2403	13.6	1466	1098	3118	0	3017	11.6	6.1	15.7	21.9	7	356	336	15	8	192	431	108
102769	96.6	17.24	2500	14.5	1145	933	3436	0	3367	12.4	6.3	16.6	23.1	3	358	344	14	4	97	382	111
102811	96.6	17.2	2729	12.9	1315	1057	2878	0	2651	11.1	5.5	15	21	17	345	323	16	13	116	437	126

102859	95.99	17.13	2777	11.6	1619	1216	2421	0	2028	10	5	13.6	19.1	40	330	289	19	28	205	465	131
102890	97.64	17.14	2821	12.9	1230	1057	2870	0	2607	11.6	5.6	14.6	20.6	22	347	317	15	16	72	429	154
102898	96.51	17.11	2859	12	1286	1040	2568	0	2220	10.4	5	14	19.8	29	331	300	18	23	106	414	135
103040	95.91	16.95	1618	18.3	909	743	4824	0	4735	16.3	9.5	20.7	27.1	7	363	364	9	0	75	263	110
103153	96.94	16.85	2245	17.4	814	736	4498	0	4477	15.2	8.3	19.5	26.6	1	363	364	10	0	22	289	128
103567	96.55	16.07	2219	14.6	1833	1599	3483	0	3365	14	7.4	15.4	22.3	4	355	336	11	0	67	654	226

## Appendix 5

Coordinates, altitude (m) and climatic values for 429 sites with presence of *Pinus pseudostrobus*. Presence data is from Mexican Forest Inventory data (Mexican National Forest Commission) and climatic data was estimated from a spline climatic model (Sáenz-Romero et al 2010; Crookstone and Rehfeldt 2011). Climatic variable keys as on Appendix 1. Units are indicated after the variable key.

Site ID	LonW	Lat N	elev m	mat °C	map mm	gsp mm	dd5 grades	dd0 grades	gsdd5 grades	mtem °C	mmin °C	mtwm °C	mmax °C	sday days	fday date	ffp days	winp mm	sump mm	d100 date	mindd0 grades	sprp mm
2214	-107.63	25.95	1625	16.2	1260	869	4090	0	3080	11.3	1.5	20.4	29.7	93	320	217	16	147	261	538	34
2242	-107.62	25.9	1863	15.8	1284	902	3947	0	2853	10.7	1	20	29.6	104	317	219	17	179	258	569	32
2295	-107.62	25.81	1900	15.8	1273	892	3950	0	2846	10.7	1	20	29.5	104	316	216	17	177	258	562	31
2296	-107.52	25.81	1645	16.1	1237	847	4057	0	3109	11.2	1.6	20.3	29.3	87	320	215	16	143	261	520	33
2322	-107.11	25.78	2400	12.4	1089	783	2765	0	1702	7.1	-2.1	16.7	26.3	138	294	160	36	527	219	482	31
2346	-107.06	25.74	2065	14.3	1093	781	3409	0	2445	8.9	-0.1	18.7	27.8	111	312	210	24	285	219	481	29
2365	-107.06	25.7	1945	15.1	1113	791	3705	0	2677	9.9	0.9	19.4	28.3	107	316	215	20	196	224	488	29
2391	-107.01	25.65	2470	12	1077	766	2618	2	1571	6.7	-2.3	16.3	25.7	144	292	155	39	565	225	468	31
2411	-107.06	25.6	2066	14.7	1113	789	3581	0	2608	9.4	0.6	19.2	28	106	315	214	21	221	227	487	29
2558	-100.51	25.45	2535	13.8	692	513	3216	0	2512	9.7	3.2	16.2	24.3	60	311	233	21	58	110	206	102
2573	-100.21	25.4	1868	15.8	681	533	3950	0	3808	11.9	5.2	18.7	26.1	14	358	343	14	16	86	168	91
2594	-100.56	25.36	3072	12.1	776	568	2616	0	1718	8.1	1.9	14.5	22.1	91	286	158	29	135	124	232	113
2595	-100.51	25.36	3370	11	846	620	2236	0	1403	7.2	1.2	13.4	20.5	95	275	141	35	195	133	254	120
2596	-100.36	25.36	2249	13.9	588	447	3250	0	2626	9.7	3.2	16.5	24.6	54	313	236	21	60	90	159	95
2597	-100.26	25.35	2445	13.5	709	531	3106	0	2424	9.4	3.2	16	23.8	60	309	228	21	62	108	192	109
2598	-100.21	25.36	1787	16.5	671	517	4199	0	4123	12.4	5.8	19.5	26.7	8	362	362	14	9	91	158	91
2621	-100.26	25.31	2151	13.9	611	469	3244	0	2635	9.9	3.4	16.5	24.5	51	313	238	20	59	87	159	97
2622	-100.21	25.31	1608	18.2	752	571	4784	0	4749	13.5	6.9	21.4	28.1	3	363	364	12	2	104	175	103
2660	-100.21	25.27	2384	13.4	686	513	3070	0	2392	9.3	3.1	16	23.7	62	309	221	21	65	105	180	110
2857	-100.16	24.9	2199	13.7	577	411	3196	0	2310	9.5	2.3	16.5	24.9	76	297	195	22	105	100	144	104
2876	-100.22	24.86	3010	12.1	764	560	2606	0	1687	8.2	1.6	14.6	22	91	281	151	28	158	119	213	117
2913	-99.87	24.76	1615	16.4	637	491	4142	0	3643	11.4	3.5	20	27	43	336	287	16	47	75	166	98
2937	-99.87	24.72	1500	16.9	683	531	4335	0	3856	11.7	3.8	20.7	27.5	39	337	291	15	39	77	175	105
2967	-99.97	24.67	2138	14.2	658	479	3376	0	2400	10.1	1.9	16.9	27	78	297	195	19	124	101	175	102
2992	-99.97	24.63	2000	14.7	586	429	3550	0	2647	10.5	2	17.6	27.4	77	310	216	18	118	88	156	95
3046	-99.97	24.54	2999	12.2	781	582	2653	0	1750	8.5	1.6	14.6	22	87	282	155	26	160	111	214	118
3047	-99.92	24.54	1850	15.2	517	384	3721	0	2867	10.9	2.3	18.2	26.9	75	319	226	17	99	73	133	91

3048	-99.87	24.54	1888	15	571	426	3649	0	2822	10.8	2.4	17.9	26.6	74	319	226	17	95	78	146	96
3071	-99.82	24.49	1965	14.7	633	473	3538	0	2789	10.7	2.5	17.4	26.1	69	321	229	17	90	86	158	102
3098	-99.87	24.44	2536	13.5	684	514	3120	0	2144	9.7	1.8	16.1	24.4	83	292	182	21	140	94	181	108
3099	-99.83	24.44	2146	14.3	688	516	3393	0	2597	10.5	2.5	16.9	25.6	71	314	223	18	94	92	172	106
3124	-99.83	24.4	2167	14.3	682	514	3390	0	2631	10.5	2.6	16.9	25.4	68	316	225	18	89	89	169	107
3197	-99.93	24.26	2155	14.6	582	437	3518	0	2794	11	2.9	17.2	25.5	62	319	235	17	79	78	140	99
3198	-99.78	24.26	2009	14.7	664	503	3522	0	2956	11	3.3	17.3	24.7	53	330	258	17	63	83	153	110
3217	-99.93	24.22	2248	14.6	611	461	3500	0	2823	10.9	3	17.1	25.3	59	321	241	17	75	80	150	102
3284	-99.73	24.08	1862	15.4	685	520	3807	0	3341	11.5	4.1	18.2	25.3	43	339	287	15	40	83	160	125
3308	-99.74	24.03	2479	14.2	797	616	3371	0	2894	10.6	3.8	16.9	23.9	45	331	269	18	47	87	203	117
3310	-99.58	24.03	2040	15.3	921	717	3770	0	3532	11.5	5.2	18.1	24.3	22	351	332	15	16	89	220	137
3330	-99.93	23.99	1997	15.4	528	399	3800	0	3253	11.7	3.8	18.3	26.2	47	333	269	15	51	68	123	102
3333	-99.68	23.99	2382	14.5	837	650	3482	0	3067	10.9	4.3	17.2	23.9	41	339	283	17	34	86	209	122
3334	-99.63	23.99	2037	15.4	855	664	3782	0	3523	11.6	5.1	18.1	24.5	27	353	333	15	18	84	203	132
3335	-99.59	23.99	2224	15	952	745	3658	0	3461	11.3	5.2	17.8	23.9	20	354	338	16	16	89	233	134
3336	-99.54	23.99	1831	15.8	824	631	3948	0	3586	11.7	4.9	18.6	25.3	34	346	307	15	21	93	199	139
3337	-99.49	23.98	1790	16	843	648	4008	0	3685	11.8	5	18.8	25.5	31	349	323	15	20	94	206	143
3356	-99.78	23.94	1564	16.7	697	513	4260	0	3764	12.2	4.2	20	27.8	40	338	290	14	36	100	171	149
3357	-99.73	23.94	2117	15.2	753	585	3716	0	3373	11.5	4.7	17.8	24.6	37	350	301	15	26	76	180	121
3360	-99.54	23.94	1619	16.6	799	604	4218	0	3859	12.1	4.8	19.7	26.6	32	347	309	14	22	100	199	150
3381	-99.44	23.89	2090	15.4	964	754	3806	0	3663	11.5	5.6	18.3	24.3	14	357	350	15	12	92	238	138
3409	-99.54	23.85	1804	16	742	570	4020	0	3649	11.9	4.9	19	25.8	34	346	307	14	21	84	182	133
3436	-99.34	23.8	1648	16.8	825	638	4293	0	4152	12.2	5.4	19.8	26.5	14	359	356	14	13	94	213	139
3511	-99.69	23.67	2598	14.4	806	629	3420	0	3008	10.6	4.3	17.1	23.8	41	337	277	18	35	84	215	116
3512	-99.54	23.67	1670	16.7	619	476	4256	0	3950	12.2	5	19.7	27.1	27	350	329	14	19	75	158	121
3538	-99.74	23.63	2606	14.4	774	603	3441	0	3029	10.7	4.2	17.1	23.9	41	338	277	17	36	82	208	112
3539	-99.69	23.62	2811	13.8	844	656	3199	0	2769	10.1	3.9	16.4	23	44	332	267	19	45	91	231	117
3771	-99.31	23.21	1609	17.2	800	661	4448	0	4294	12.4	5.5	20.6	27.8	15	359	357	14	12	70	256	98
3772	-99.26	23.21	1834	16.8	876	712	4286	0	4167	12.2	5.7	19.9	26.9	13	361	360	14	10	81	269	106
3788	-99.26	23.16	2001	16.5	925	746	4184	0	4095	12.1	5.8	19.6	26.4	9	361	361	14	9	87	280	111
3808	-99.26	23.12	2147	16.3	964	774	4109	0	4036	12	5.9	19.3	25.9	8	362	361	14	8	92	290	114
3828	-99.5	23.08	1776	17.2	725	590	4440	0	4299	12.6	5.6	20.4	28	14	360	360	13	11	68	232	94
3857	-99.31	23.03	1844	17	917	748	4381	0	4280	12.5	5.9	20.2	27.3	10	361	361	13	8	83	294	104
3858	-99.26	23.03	1616	17.6	948	782	4579	0	4482	12.8	6	21	28	9	361	361	13	7	83	314	104
4109	-104.79	22.25	1963	16.7	1193	961	4249	0	3706	12.8	4.4	19.9	27.7	46	342	285	13	32	143	566	23
4137	-100.59	22.18	1824	18.3	482	384	4820	0	4639	13.5	5.5	22	30.4	17	360	359	12	11	52	154	70
4194	-100.35	21.91	1785	18.3	497	404	4813	0	4682	13.6	5.9	22	30.1	12	361	361	12	8	49	152	74
4207	-100.35	21.86	2130	17	502	404	4363	0	4229	12.8	5.6	20.5	28.2	14	361	360	13	11	49	154	72
4209	-100.26	21.86	1880	17.9	521	423	4687	0	4567	13.4	6	21.5	29.4	11	361	361	12	7	51	160	74
4211	-100.16	21.86	1741	18.4	559	457	4863	0	4809	13.7	6.4	22.1	29.9	4	362	363	12	4	51	176	73
4218	-100.35	21.82	1965	17.5	479	388	4546	0	4388	13.2	5.6	21.1	29.1	15	360	360	12	11	47	144	73
4222	-100.16	21.81	1672	18.6	559	457	4944	0	4889	13.9	6.5	22.4	30.2	4	362	362	11	3	51	176	72
4322	-100.02	21.4	1886	17.6	564	461	4588	0	4467	13.5	5.8	21.1	29.2	11	361	361	12	9	49	180	71
4428	-99.59	20.85	2760	14.7	869	703	3517	0	3367	11.6	5.7	17.4	24.4	14	356	338	15	11	76	305	91
4508	-104.56	20.53	1681	17.4	1171	983	4524	0	3899	13.8	4.5	20.3	30.1	46	341	286	11	33	100	526	36

4519	-104.7	20.49	1854	16.1	1400	1151	4062	0	3322	12.7	4	18.8	28	63	335	268	13	44	135	621	39
4520	-104.65	20.49	1965	15.6	1445	1183	3864	0	3160	12.2	3.9	18.2	27.2	63	334	266	14	49	144	636	42
4521	-104.61	20.49	2403	13.4	1579	1265	3076	0	2491	10.3	3.1	16	24.1	69	332	254	19	74	176	676	48
4536	-104.7	20.44	1601	17.7	1238	1025	4602	0	3901	14.1	4.4	20.4	30.2	52	341	286	11	36	111	552	35
4538	-104.6	20.44	2245	14.1	1575	1268	3327	0	2732	10.8	3.4	16.7	25.1	65	334	262	17	63	171	677	48
4552	-104.65	20.4	1813	16.6	1344	1105	4210	0	3453	13.1	4.1	19.3	28.6	62	336	270	12	42	129	591	40
4557	-98.5	20.38	2174	16	706	556	3991	0	3858	12.7	5.6	19.1	26.6	13	360	359	13	11	67	217	90
4558	-98.45	20.38	2282	15.9	744	578	3947	0	3869	12.7	5.7	19	26.4	8	362	362	13	10	74	229	91
4581	-104.46	20.31	1874	16.7	1198	986	4260	0	3632	13.2	4.3	19.5	28.9	47	337	283	12	38	116	513	44
4599	-104.74	20.21	2025	14.9	1722	1378	3617	0	2977	11.5	3.8	17.4	25.9	62	334	264	15	49	189	738	47
4617	-104.55	20.13	1896	16.4	1341	1083	4143	0	3556	13	4.4	19	28.1	45	338	287	13	36	141	566	45
4625	-98.02	20.1	2460	13.5	911	688	3108	0	2522	10.8	3.6	16.2	23.4	56	327	252	17	51	105	274	91
4632	-100.42	20.1	2709	13.1	1029	885	2963	0	2217	10.5	3.1	15.7	23.2	66	310	215	18	73	62	462	84
4635	-97.98	20.05	1660	14.9	1584	1156	3591	0	3442	11.8	5.2	17.4	24.4	14	357	343	15	14	210	538	104
4638	-104.6	20.03	2049	15.2	1558	1240	3737	0	3129	12	4.2	17.8	26.3	55	336	273	14	38	174	651	46
4657	-98.17	19.96	2700	12.7	719	578	2825	0	1997	10.1	2.1	15.2	22.8	77	304	206	19	112	65	230	104
4659	-97.88	19.96	2240	13.9	972	712	3228	0	2811	11.1	4.2	16.6	23.7	40	339	277	16	34	121	260	87
4688	-97.93	19.87	2120	14.1	833	632	3319	0	2758	11.2	3.5	16.8	24.4	51	331	260	16	50	94	230	84
4689	-97.79	19.86	1780	15.2	1152	800	3715	0	3493	11.9	4.9	18	25.1	22	355	335	14	18	173	296	104
4708	-98.17	19.83	2536	13.2	648	533	2996	0	2121	10.4	1.7	15.7	23.9	76	303	204	18	128	51	214	100
4710	-97.94	19.82	2350	13.7	690	546	3163	0	2745	10.9	4.1	16.3	23.9	40	337	278	17	36	62	208	83
4711	-97.89	19.82	2025	14.5	852	634	3459	0	2966	11.4	3.7	17.2	24.8	44	336	273	16	44	102	223	89
4712	-97.84	19.82	1930	14.8	914	663	3579	0	3149	11.7	4.1	17.6	25.1	40	343	290	15	34	120	232	91
4713	-97.74	19.82	2090	14.6	856	618	3501	0	3118	11.5	4.3	17.4	24.7	39	347	295	15	30	113	201	89
4714	-97.7	19.81	1932	15.2	933	656	3696	0	3390	11.9	4.8	18	25.1	32	353	325	14	21	136	207	94
4734	-100.76	19.83	2413	14.6	1165	999	3509	0	2808	11.7	2.9	17.1	25.5	61	328	251	15	76	68	529	82
4735	-100.67	19.82	2927	11.4	1344	1132	2372	0	1536	8.8	1.6	13.8	21.1	88	288	167	24	162	96	593	95
4737	-100.28	19.82	2722	12.2	1012	869	2633	0	1785	9.2	1.6	14.6	22.4	86	295	191	22	151	58	453	82
4738	-100.23	19.82	2720	12.1	979	841	2606	0	1772	9	1.5	14.5	22.4	87	295	186	23	157	56	437	80
4741	-97.98	19.78	2690	12.5	742	606	2735	0	1863	9.8	1.9	14.9	22.5	80	296	194	21	124	58	247	110
4753	-102.77	19.78	1759	17.6	927	768	4564	0	4488	14.5	5.9	20.7	29.5	6	362	362	11	9	73	388	48
4755	-102.44	19.78	2383	14.1	1000	831	3306	0	2828	11.5	4.2	16.8	24.9	46	339	278	15	41	70	431	49
4756	-102.39	19.78	2167	14.3	1016	851	3404	0	2809	11.8	4.1	17.1	25.5	55	335	262	15	45	65	447	47
4757	-102.34	19.78	2461	14	996	829	3295	0	2735	11.4	3.9	16.7	24.8	56	336	266	16	47	68	432	50
4759	-102.25	19.78	2214	14.5	1018	854	3461	0	2873	11.8	4	17.1	25.5	54	336	266	15	47	63	455	48
4762	-102.1	19.78	2330	14.7	977	819	3544	0	2910	11.7	3.5	17.4	25.8	59	334	266	15	56	63	439	49
4763	-101.86	19.78	2600	14.9	940	797	3603	0	2977	11.3	2.7	17.9	26.3	60	333	265	16	76	57	418	56
4765	-100.71	19.78	2482	14	1255	1070	3292	0	2449	11.1	2.5	16.4	24.6	79	322	235	16	95	78	565	89
4766	-100.67	19.78	2850	11.6	1405	1184	2445	0	1553	8.9	1.3	14	21.6	93	288	166	24	177	100	625	96
4770	-100	19.77	2940	11.4	885	748	2371	0	1405	9.1	1.4	13.5	21.1	94	279	145	22	186	56	367	88
4778	-97.99	19.73	2760	12.2	773	636	2634	0	1747	9.6	1.5	14.5	22.2	84	293	183	21	149	58	265	117
4781	-97.65	19.72	2470	13.2	609	472	2983	0	2320	10.4	2.9	15.6	23	61	315	229	18	74	60	158	88
4793	-102.72	19.74	2040	15.7	975	805	3904	0	3652	13.1	5.1	18.7	27.2	23	356	335	12	18	76	407	48
4796	-102.39	19.74	2174	14.4	1043	870	3431	0	2872	11.9	4.2	17.1	25.6	51	337	271	15	43	68	456	47
4802	-101.96	19.74	2641	14.4	977	822	3436	0	2811	11.1	2.9	17.3	25.5	62	332	260	16	73	62	429	55

4803	-101.91	19.74	3003	12.8	1070	890	2871	0	2285	9.9	2.9	15.6	23.2	68	327	245	20	78	75	451	65
4811	-100.86	19.74	2225	15.9	1068	922	3962	0	3458	12.7	3.5	18.8	27.7	39	340	289	13	47	58	484	72
4812	-100.81	19.74	2801	12.4	1386	1171	2726	0	1932	9.6	2.2	15	22.7	82	305	209	21	119	94	611	94
4813	-100.76	19.73	2307	15.2	1147	983	3725	0	2834	12.2	2.5	17.8	26.4	74	326	239	14	90	66	518	79
4815	-100.28	19.73	2630	12.7	998	853	2817	0	1873	9.6	1.4	15.1	23.3	91	295	188	21	165	60	448	79
4816	-100.24	19.73	2730	12.1	974	832	2604	0	1656	9.1	1.3	14.4	22.6	94	287	160	22	181	57	433	76
4827	-97.13	19.66	1945	14.9	1747	1275	3601	0	3514	11.9	5.7	17.7	24.3	7	359	350	14	9	255	506	145
4828	-96.98	19.66	1571	16.6	1883	1408	4199	0	4172	13.2	8.1	19.4	25	2	363	364	12	0	263	606	160
4839	-102.39	19.69	2115	14.7	1080	901	3523	0	2990	12.1	4.2	17.4	26	47	339	278	14	42	70	472	47
4848	-100.95	19.69	2442	14.9	1237	1060	3605	0	3091	11.8	3.6	17.7	26.1	45	338	282	15	52	72	548	82
4849	-100.91	19.69	2258	15.8	1118	964	3932	0	3519	12.7	3.6	18.7	27.5	37	349	304	13	38	62	502	75
4850	-100.81	19.69	2940	11.8	1372	1153	2519	0	1760	9	2.3	14.5	21.9	85	301	204	23	116	97	595	93
4851	-100.76	19.69	2580	13.5	1380	1171	3118	0	2331	10.5	2.5	15.9	24.1	79	321	233	18	99	89	610	97
4852	-100.67	19.69	2146	16.3	1024	877	4095	0	3483	13.1	3.8	19.1	28	45	336	280	12	46	59	462	70
4855	-100.28	19.68	3200	10.2	1044	861	1935	0	1241	7.9	2.7	12.3	18.3	89	289	169	30	121	89	408	105
4856	-100.19	19.68	2800	11.9	927	790	2540	0	1542	9.2	1.4	14	22.4	96	282	148	22	195	54	406	72
4861	-97.7	19.63	2720	12.1	615	506	2597	0	1714	9.6	2	14.3	21.7	84	293	189	21	122	45	185	105
4862	-97.65	19.63	2680	12.2	575	470	2638	0	1775	9.7	2.1	14.4	21.8	81	295	190	21	116	44	165	100
4863	-97.18	19.62	2485	12.8	766	582	2857	0	2192	10.3	3	15.2	22.2	59	311	222	19	70	96	210	87
4868	-103.63	19.64	2274	16.8	997	784	4287	0	4259	14.1	7	19.8	27.6	3	364	363	11	1	106	371	42
4874	-102.2	19.65	2291	14.6	1065	886	3496	0	2844	11.8	3.9	17.1	25.5	61	335	266	15	49	70	467	48
4878	-101.86	19.65	3030	12.7	1105	918	2823	0	2235	9.8	2.9	15.5	22.9	69	326	242	21	79	76	461	66
4884	-101	19.65	2188	16.3	1069	926	4113	0	3980	13.2	4.1	19.4	28.3	13	361	360	12	24	56	478	70
4886	-100.76	19.64	2405	14.6	1304	1111	3487	0	2703	11.5	2.7	17	25.4	70	326	242	15	86	79	578	91
4891	-100.33	19.64	2421	14.2	1008	858	3339	0	2489	11.1	2.4	16.6	25.2	79	321	231	16	104	64	456	77
4894	-99.57	19.63	3319	9	1281	1084	1563	3	678	6.7	-0.4	11.2	17.9	135	267	128	39	336	90	494	141
4895	-99.52	19.63	3096	10.7	1157	984	2117	0	1143	8.4	0.6	12.7	20	108	276	138	27	230	74	457	127
4898	-97.99	19.59	2863	11.8	802	675	2496	0	1472	9.2	0.9	14	21.9	96	279	149	22	199	52	284	130
4901	-97.18	19.57	2766	11.8	744	598	2491	0	1795	9.5	3	14	20.5	72	307	218	22	77	77	236	90
4918	-101.82	19.6	2763	14	1050	880	3295	0	2687	10.8	2.9	16.8	24.9	63	332	262	17	73	67	447	59
4922	-101.15	19.6	2398	15.5	1164	999	3831	0	3439	12.4	4.4	18.6	27.1	37	350	303	14	34	65	505	73
4924	-100.76	19.6	2264	15.6	1187	1014	3843	0	3177	12.5	3.4	18.4	26.9	54	334	264	13	63	70	527	78
4926	-100.67	19.6	2461	14	1387	1174	3290	0	2523	10.9	2.7	16.2	24.5	75	325	238	17	88	89	608	100
4936	-97.75	19.54	2834	11.9	664	559	2526	0	1580	9.4	1.4	14.1	21.7	86	283	158	21	162	42	212	120
4940	-97.04	19.52	2287	13.6	1288	963	3146	0	2708	11	4.1	16.1	22.9	41	337	276	17	36	176	383	118
4947	-102.2	19.56	2830	13.3	1091	897	3037	0	2477	10.6	3.5	15.9	23.5	61	332	257	18	59	79	451	57
4949	-101.96	19.56	2311	15.1	1039	869	3672	0	2980	11.9	3.4	17.4	26.1	62	333	262	14	61	69	460	45
4950	-101.91	19.56	2700	14.1	1053	878	3337	0	2713	11	3	16.8	25	63	332	260	17	71	69	447	56
4954	-100.76	19.55	2132	16.5	1096	939	4179	0	3717	13.5	4.7	19.5	28.4	37	348	304	12	28	62	486	69
4956	-100.67	19.55	2690	13.1	1402	1181	2950	0	2279	9.9	2.9	15.7	23.8	74	322	233	20	87	94	607	96
4958	-100.57	19.55	2607	13.3	1346	1135	3055	0	2345	10.2	2.9	15.8	24.2	75	322	236	19	88	91	585	95
4959	-100.33	19.55	2570	13.5	1079	911	3114	0	2290	10.4	2.2	16	24.7	80	314	219	18	124	71	474	79
4968	-97.85	19.5	3210	10	854	728	1882	0	971	7.6	0.4	12.2	19.1	115	273	135	32	271	54	295	141
4970	-97.52	19.49	2397	13.9	501	409	3261	0	2225	10.8	0.7	16.5	25.5	81	296	186	17	176	44	129	101
4973	-104.2	19.5	1618	19.3	1377	1151	5166	0	5154	16.5	7.5	21.7	30	1	364	364	9	0	105	628	28

4974	-103.97	19.5	2329	16	1039	801	4003	0	3944	13.3	6.5	18.8	26.3	6	363	363	12	3	120	373	35
4975	-103.53	19.51	1667	21.7	1146	957	6045	0	5865	18.9	9.3	24.7	33.3	11	362	356	7	0	85	512	30
4977	-102.2	19.51	2437	14.5	1092	901	3460	0	2855	11.8	4.1	16.9	25.1	58	337	272	15	43	75	463	48
4983	-101.05	19.51	2080	16.9	1089	941	4300	0	4149	13.8	4.9	20.1	29.1	13	360	355	11	19	57	475	69
4985	-100.76	19.51	2083	16.9	1085	928	4309	0	4138	13.9	5.4	19.9	28.8	13	358	349	11	17	61	477	66
4989	-100.57	19.51	2369	14.7	1243	1052	3524	0	2978	11.6	4	17.2	25.6	50	336	273	15	45	79	546	81
4997	-98.38	19.47	2668	12.9	774	662	2871	0	1822	10.2	1.3	15	23.5	87	288	172	19	166	39	284	124
4998	-97.76	19.45	2822	12.2	642	547	2621	0	1620	9.7	1.2	14.4	22.3	87	281	157	21	173	37	203	125
5009	-101.81	19.47	1887	16.1	1128	949	4044	0	3532	13.1	4.9	18.5	26.9	43	346	302	12	23	78	493	49
5010	-101.67	19.47	2415	15.3	1029	864	3752	0	3064	12	3.4	17.8	26.6	60	333	264	14	58	65	441	47
5011	-101.62	19.47	2453	15.2	1040	875	3734	0	3058	12	3.5	17.8	26.5	60	334	263	14	55	64	442	50
5013	-101.53	19.47	2649	14.6	1117	940	3492	0	2880	11.3	3.5	17.4	25.7	60	335	266	16	55	67	468	61
5016	-101.1	19.47	1948	17.4	1067	920	4482	0	4313	14.3	5.5	20.5	29.7	12	358	354	11	16	58	461	67
5017	-101.05	19.46	1884	17.8	1049	905	4628	0	4541	14.7	5.9	20.9	30.1	7	362	362	10	11	56	457	63
5035	-102.2	19.42	2330	14.9	1147	942	3603	0	3118	12.3	4.6	17.2	25.5	44	344	291	14	31	80	481	46
5036	-102.1	19.42	1841	16.7	1435	1202	4239	0	4080	13.7	5.8	19.1	27.5	14	360	354	12	11	95	621	56
5038	-101.58	19.42	2406	15.3	1065	893	3769	0	3102	12.2	3.8	17.9	26.6	58	335	271	14	47	66	445	50
5062	-102.39	19.38	2080	16.2	1244	1021	4053	0	3965	13.7	6	18.7	27.1	8	362	361	12	8	87	521	46
5064	-102.24	19.38	2230	15.3	1195	981	3751	0	3368	12.8	5.2	17.6	25.9	36	352	322	13	20	83	500	45
5067	-101.62	19.38	2300	15.5	1061	883	3816	0	3170	12.4	4.1	17.8	26.5	55	337	280	14	42	68	438	45
5070	-101.29	19.38	2273	15.9	1200	1014	3971	0	3522	12.9	4.6	18.9	27.7	40	349	301	13	30	72	489	70
5088	-102.39	19.33	2123	16.2	1240	1013	4053	0	3991	13.8	6.2	18.6	26.9	6	363	363	11	6	89	513	45
5095	-101.43	19.33	2056	16.3	1109	937	4089	0	3617	13.4	4.8	18.9	27.9	40	349	304	12	25	69	456	59
5096	-101.39	19.33	2098	16.3	1147	969	4089	0	3608	13.4	4.7	19	28	41	349	301	12	27	70	467	65
5097	-101.34	19.33	2497	15.1	1217	1020	3680	0	3227	12.1	4.6	18	26.4	42	345	293	14	31	73	496	65
5098	-101.29	19.33	2361	15.6	1222	1028	3870	0	3458	12.7	4.8	18.6	27.2	39	351	306	13	26	73	497	67
5106	-99.43	19.31	2948	11.2	1054	915	2307	0	1373	9.2	1.2	13.1	20.3	91	280	149	22	189	53	433	120
5111	-98.05	19.28	3045	11.1	837	724	2245	0	1177	8.6	0.5	13.2	21.1	112	275	137	25	258	42	291	146
5112	-97.47	19.26	2551	13.6	441	371	3119	0	2110	10.8	1.2	15.9	24.4	80	296	190	17	151	30	119	101
5120	-101.58	19.29	2180	15.7	1095	901	3885	0	3437	12.9	5	18.1	26.5	40	349	304	13	22	70	429	46
5134	-99.91	19.27	3178	10.8	1046	879	2166	0	1494	8.3	2.6	13.1	19.5	83	300	197	27	99	78	384	127
5143	-98.1	19.24	2935	11.8	853	740	2487	0	1419	9.3	0.8	13.9	22.1	99	278	140	21	222	40	297	147
5169	-97.33	19.17	2967	12.2	622	527	2641	0	1735	9.9	2.1	14.5	21.6	82	293	183	20	116	46	179	121
5174	-103.2	19.19	2241	19.1	1077	858	5102	0	5089	16.8	9.2	21.9	30	1	364	361	8	0	103	404	38
5190	-98.72	19.16	2846	12.4	844	719	2696	0	1921	10.3	2.9	14.5	22.1	72	307	218	19	85	46	307	120
5209	-99.91	19.14	2794	12.8	1115	932	2871	0	2279	9.9	3	15.7	22.7	66	324	241	20	76	79	415	134
5220	-99.05	19.12	3069	10.8	1055	931	2142	0	1262	9	1.9	12.5	19.2	94	281	148	23	153	47	443	119
5240	-99.29	19.08	3100	10.3	1159	1043	1991	0	1178	8.5	1.3	12	18.5	94	279	146	26	201	52	514	113
5241	-99.24	19.08	3048	10.6	1128	1008	2099	0	1221	8.8	1.7	12.3	18.8	95	279	146	24	171	47	496	113
5253	-99.82	19.04	3051	11.4	1206	1024	2367	0	1657	9.2	2.9	13.4	19.7	79	308	219	22	80	82	446	150
5257	-99.29	19.04	2950	11.1	1137	1008	2257	0	1337	9.2	1.9	12.9	19.7	94	282	151	22	151	45	498	111
5259	-99.05	19.03	2600	14.7	951	833	3538	0	3256	12.3	4.7	17.2	24.3	26	352	323	14	24	41	392	100
5265	-97.2	18.98	2823	12.1	860	699	2579	0	1809	10.2	2.9	14.4	21.3	73	304	214	19	88	82	273	118
5266	-97.15	18.98	2035	15.8	1552	1240	3927	0	3868	13.1	6.1	18.2	25	4	361	356	12	6	163	530	152
5272	-99.96	19	2848	13	1332	1122	2918	0	2611	10.3	4.9	16.1	22.4	39	348	294	19	25	92	486	155

5273	-99.91	19	2802	12.7	1301	1099	2800	0	2339	10.1	4	15.4	21.6	52	332	263	19	46	87	477	157
5274	-99.86	19	2869	12.2	1302	1105	2642	0	2038	9.8	3.6	14.7	21	64	317	235	21	59	88	476	165
5275	-99.82	19	2644	13.2	1201	1010	3004	0	2399	10.3	2.8	15.9	22.8	65	327	245	19	83	76	455	134
5276	-99.77	19	2648	13	1172	992	2917	0	2174	10.1	2.2	15.5	22.7	79	319	229	19	108	71	448	133
5280	-99.2	18.99	1952	18.9	1096	960	5013	0	4966	16.9	8.8	21.5	28.5	3	363	364	9	0	44	434	82
5290	-99.82	18.95	2505	14.3	1218	1020	3381	0	2921	11.4	4	17	24.2	43	339	285	16	42	78	461	124
5291	-99.77	18.95	2420	14.7	1177	998	3531	0	3077	11.9	4.1	17.3	24.8	41	342	290	14	37	71	449	120
5296	-98.63	18.93	2672	14.5	892	767	3456	0	3003	12.2	4.4	16.6	24.4	38	341	281	14	33	46	325	111
5306	-97.25	18.8	1835	17.2	1044	864	4422	0	4402	14.2	6.6	19.7	27.2	1	363	364	11	3	89	344	124
5313	-97.06	18.75	1995	16	1456	1164	3998	0	3980	13.5	7	18.4	25	1	363	363	12	1	155	516	125
5324	-97.31	18.67	2623	12.3	894	722	2657	0	1820	10.5	3	14.5	21.7	78	304	208	18	87	89	291	109
5325	-97.21	18.67	2720	11.8	1144	901	2474	0	1677	10.1	3.2	14	20.8	79	303	208	19	85	128	386	113
5326	-97.11	18.66	2292	14.2	1236	970	3333	0	3159	12.1	5.6	16.5	23.1	15	355	328	14	12	148	442	96
5327	-97.07	18.66	2290	14.2	1386	1079	3330	0	3227	12.2	5.9	16.5	22.9	6	356	336	14	8	171	503	98
5328	-102.67	18.69	1772	20.3	1309	1050	5521	0	5467	18.4	10.5	22.4	30.3	3	363	362	8	0	103	506	38
5329	-102.58	18.7	1645	20.7	1305	1052	5682	0	5585	18.7	10.9	22.9	30.6	5	362	361	7	0	98	512	36
5334	-97.26	18.62	2869	11.2	1099	881	2268	0	1426	9.5	2.6	13.4	20.1	88	292	167	22	120	110	362	122
5337	-97.07	18.62	2355	13.7	1388	1071	3159	0	2972	11.8	5.6	16	22.4	17	354	326	15	12	179	508	91
5338	-97.02	18.62	1586	18	1677	1327	4705	0	4674	15.1	8.5	20.5	27.3	2	363	364	10	0	187	595	147
5339	-102.53	18.65	1696	20.3	1313	1059	5533	0	5479	18.4	10.7	22.4	30	3	363	362	8	0	98	514	37
5341	-97.31	18.58	2617	12.2	950	760	2624	0	1797	10.3	3	14.4	21.6	79	304	207	19	88	101	313	106
5343	-97.07	18.57	1870	16.9	1234	1006	4306	0	4296	14.2	7.6	19.4	26.1	1	364	364	11	0	119	444	105
5344	-102.72	18.61	1781	20.2	1324	1057	5506	0	5438	18.4	10.5	22.3	30	3	362	361	8	0	107	507	38
5349	-97.02	18.53	1920	16.5	1367	1098	4168	0	4159	14	7.6	19	25.5	1	364	364	11	0	142	503	101
5354	-97.17	18.48	2258	14.5	1026	818	3444	0	3287	12.3	5.7	16.9	23.7	13	356	338	14	11	114	376	76
5355	-97.07	18.48	1870	16.9	1157	946	4323	0	4314	14.3	7.7	19.5	26.2	1	364	364	11	0	110	421	93
5356	-102.62	18.52	1578	20.9	1326	1063	5748	0	5636	19	11	22.9	30.4	6	362	359	7	0	101	513	37
5360	-96.98	18.43	2294	14.2	1726	1316	3342	0	3281	12.3	6.6	16.5	22.6	3	359	344	14	3	228	673	80
5366	-103	18.47	2035	19.1	1349	1065	5106	0	5093	17.4	9.8	21	28.5	1	364	359	8	0	119	501	40
5425	-101.3	18.15	1919	19.3	1316	1088	5174	0	5124	17.5	11.2	21.2	28.4	3	363	364	8	0	73	525	52
5441	-96.81	17.88	2618	11.4	1926	1440	2333	0	1855	9.5	4.4	13.7	19.8	50	319	255	22	38	263	683	105
5453	-100.92	17.88	1705	21.1	1326	1096	5831	0	5716	19.4	12.5	23	30	5	361	359	7	0	68	525	59
5460	-101.01	17.84	2560	15.8	1635	1324	3942	0	3941	14.1	8.9	17.3	24.2	0	364	365	11	0	104	618	86
5461	-100.92	17.83	1863	20.4	1452	1176	5555	0	5514	18.6	11.6	21.8	29.2	2	363	363	7	0	86	565	62
5467	-96.86	17.75	2195	14.3	1045	836	3381	0	3223	12.2	6.3	16.9	23.6	3	359	349	14	5	112	380	69
5469	-96.72	17.75	2280	13.4	1401	1083	3054	0	2956	11.4	6	15.9	22.2	7	356	336	16	8	172	500	80
5473	-101.02	17.79	2060	19	1551	1245	5065	0	5053	17.2	10.7	20.2	27.6	1	364	365	8	0	101	595	67
5474	-100.97	17.79	2320	17.4	1615	1304	4483	0	4482	15.6	9.8	18.6	25.9	0	364	364	10	0	102	615	80
5483	-96.77	17.7	1621	17.9	1082	836	4668	0	4637	15.4	8.5	20.7	28	3	364	364	10	0	136	361	84
5489	-100.87	17.74	2034	19.4	1582	1269	5193	0	5168	17.6	10.8	20.5	28	2	364	364	8	0	101	608	71
5503	-100.64	17.7	2010	19.5	1570	1286	5249	0	5211	17.9	11.1	20.8	28.2	3	364	364	8	0	86	616	80
5505	-100.54	17.7	2414	16.5	1657	1373	4178	0	4178	15	9.3	17.8	24.7	0	364	365	10	0	89	642	106
5520	-100.31	17.65	2615	14.8	1689	1421	3573	0	3565	13.4	8.2	16.1	22.5	1	364	364	12	0	86	655	130
5523	-99.04	17.63	2110	19	1222	1077	5067	0	5017	17.6	11.3	20.5	26.9	3	363	365	8	0	42	521	86
5536	-100.73	17.61	1830	20.6	1584	1289	5630	0	5575	18.9	11.8	21.8	29.1	3	363	363	7	0	91	622	71

5543	-100.26	17.6	2672	14.4	1716	1446	3415	0	3399	13	7.8	15.6	21.9	1	363	361	13	0	88	665	135
5544	-100.07	17.6	2352	15.7	1632	1398	3893	0	3893	14.5	8.5	16.9	23.3	0	364	364	11	0	71	645	140
5546	-99.65	17.59	2470	14.7	1567	1360	3535	0	3518	13.4	7.5	16	22.1	1	363	361	12	0	67	619	143
5548	-98.8	17.58	1940	18.8	1024	918	4985	0	4948	17.5	10.9	20.3	26.9	3	364	364	8	0	37	447	90
5550	-97.53	17.55	2350	15.1	798	691	3682	0	3430	13.1	5.3	17.1	24.9	21	354	327	12	18	47	254	121
5554	-96.69	17.52	1952	16.4	998	818	4130	0	4112	14	7.3	19.2	26.5	1	363	364	11	0	89	358	79
5567	-100.36	17.56	2565	15.1	1740	1458	3672	0	3663	13.7	8.2	16.2	22.6	1	364	364	12	0	90	676	127
5569	-100.26	17.56	2221	17.2	1659	1404	4430	0	4430	15.9	9.5	18.4	25.1	0	364	365	9	0	75	661	118
5570	-100.08	17.55	2274	16.2	1643	1408	4060	0	4060	15	8.7	17.3	23.8	0	364	365	10	0	70	654	137
5571	-100.03	17.55	2109	17.5	1546	1334	4521	0	4521	16.2	9.5	18.8	25.4	0	364	364	9	0	59	624	124
5572	-99.98	17.55	2120	17.2	1540	1332	4408	0	4408	15.9	9.2	18.4	25	0	364	365	9	0	59	620	128
5573	-99.89	17.55	2150	16.4	1540	1336	4133	0	4134	15.1	8.6	17.6	24	0	364	364	10	0	61	616	135
5576	-99.7	17.55	2201	15.4	1522	1319	3791	0	3791	14.1	7.6	16.7	23	0	364	364	11	0	66	595	129
5582	-98.8	17.53	2121	18.2	1164	1034	4779	0	4755	17.1	10.6	19.5	26	2	364	364	8	0	45	502	93
5587	-97.58	17.5	2274	15.7	791	687	3876	0	3696	13.6	5.7	17.7	25.5	14	357	344	12	12	45	254	121
5588	-97.53	17.5	2239	15.9	748	650	3951	0	3775	13.8	5.6	17.9	25.8	14	358	343	11	13	44	239	117
5589	-97.39	17.5	2635	13.4	1011	856	3074	0	2705	11.7	5	15.4	22.4	35	345	302	15	24	69	340	126
5605	-100.26	17.51	2682	14.2	1769	1489	3356	0	3340	12.9	7.6	15.3	21.5	1	363	360	13	0	92	686	138
5606	-100.22	17.52	2647	14.3	1759	1485	3391	0	3375	13	7.6	15.4	21.6	1	363	361	13	0	89	684	139
5607	-100.17	17.51	2105	17.9	1650	1407	4671	0	4671	16.6	9.8	19.1	25.9	0	364	364	9	0	69	667	117
5609	-100.03	17.51	2338	15.5	1698	1456	3810	0	3800	14.3	8.1	16.6	22.8	1	364	364	11	0	74	673	145
5610	-99.75	17.5	1810	19.8	1312	1146	5338	0	5299	18.2	10.8	21.4	28.5	2	363	364	8	0	44	545	90
5611	-99.09	17.49	2076	19.1	1381	1204	5094	0	5068	17.9	11.8	20.3	26.5	2	364	365	8	0	51	593	87
5618	-97.77	17.46	3068	11.7	1269	1079	2433	0	1804	10.3	4.2	13.4	19.8	61	314	241	19	51	81	440	153
5620	-97.53	17.46	2347	15.3	828	718	3727	0	3535	13.3	5.6	17.2	24.9	15	356	337	12	14	49	269	124
5623	-96.78	17.43	2118	16.1	867	739	4013	0	3986	13.7	6.8	18.7	26.2	2	363	363	12	2	57	310	84
5624	-96.5	17.42	2610	12.1	1693	1288	2587	0	2259	10.3	5	14.2	20.3	29	333	304	19	22	205	555	119
5636	-100.5	17.47	1966	19.4	1716	1426	5222	0	5209	18	10.9	20.5	27.6	1	364	365	8	0	85	687	90
5640	-99.61	17.46	2492	14.5	1661	1435	3466	0	3450	13.4	7.4	15.6	21.6	1	363	361	12	0	75	657	142
5646	-97.54	17.41	2328	15.4	834	724	3781	0	3604	13.4	5.7	17.3	25	14	357	342	12	12	49	274	124
5647	-97.39	17.41	2723	13.1	1086	917	2945	0	2588	11.5	5.1	15	21.7	33	343	302	15	24	73	370	133
5649	-96.69	17.38	2344	14.6	1060	871	3477	0	3408	12.5	6.2	16.9	23.8	3	358	344	13	5	88	367	95
5651	-96.55	17.37	1741	17.8	1062	847	4639	0	4608	15.3	8.1	20.4	28.1	2	363	364	10	0	106	363	94
5652	-96.5	17.37	2421	13.1	1355	1052	2959	0	2742	11.3	5.6	15.2	21.7	18	348	324	16	13	152	444	104
5664	-100.08	17.42	2320	15.7	1778	1517	3896	0	3896	14.6	8.2	16.7	23	0	364	364	11	0	80	708	140
5665	-100.03	17.42	1854	20	1729	1490	5422	0	5409	18.5	10.7	21.3	28.8	1	364	365	8	0	61	728	102
5675	-98.62	17.39	1921	17.7	1156	1017	4610	0	4587	16.7	9.7	19	25.9	2	364	364	9	0	56	490	100
5684	-97.73	17.37	2147	16.4	916	799	4137	0	4099	14.4	6.6	18.2	26	3	363	363	11	4	49	320	122
5686	-97.44	17.36	3100	11.1	1334	1114	2217	0	1599	9.7	4	12.9	18.9	66	311	234	21	61	95	462	153
5689	-96.64	17.34	1940	17.4	870	741	4477	0	4467	14.8	7.4	20	27.8	1	364	365	10	0	57	313	87
5690	-96.6	17.33	2002	17.1	907	760	4369	0	4350	14.6	7.3	19.7	27.3	1	363	364	11	0	66	321	86
5692	-96.46	17.33	2130	15.8	1108	867	3899	0	3873	13.6	6.6	18.2	25.4	1	362	361	12	3	118	363	93
5696	-96.08	17.32	1995	15.8	1992	1342	3918	0	3918	13.7	7.9	18.2	24.5	0	364	364	11	0	361	465	172
5699	-93.13	17.17	1999	17.3	2473	1503	4459	0	4449	14.9	9.1	19.1	25.4	1	364	365	10	0	583	581	240
5700	-92.89	17.15	1699	17.4	2243	1446	4489	0	4479	15.1	9.4	19.3	25.7	1	364	364	10	0	475	573	221

5706	-100.13	17.38	1525	22.1	1770	1515	6188	0	6035	20.5	12.5	23.8	31.3	7	361	356	7	0	66	752	81
5717	-97.91	17.33	2749	13.4	1230	1063	3068	0	2830	12.1	5.7	15	21.6	19	350	321	14	15	70	432	149
5720	-97.68	17.32	2480	14.6	1033	895	3496	0	3391	13	6	16.3	23.4	6	357	338	13	10	60	349	141
5726	-96.74	17.29	2701	13	1324	1065	2901	0	2674	11.1	5.5	15.2	21.2	17	345	323	16	13	117	455	121
5727	-96.69	17.29	2539	14.1	1163	948	3313	0	3239	12.1	6.1	16.3	22.8	3	357	338	14	6	97	397	110
5728	-96.6	17.29	2202	16.1	947	785	4009	0	3991	13.8	6.8	18.5	25.8	1	363	363	11	2	74	326	94
5730	-96.36	17.28	2499	13.2	1443	1104	2976	0	2823	11.3	5.7	15.3	21.5	12	352	328	16	11	172	446	112
5734	-92.89	17.11	1695	17.1	2041	1362	4378	0	4368	14.9	9.1	19	25.4	1	364	365	10	0	399	542	203
5753	-97.73	17.28	2066	16.8	964	845	4284	0	4274	14.8	7	18.6	26.3	1	364	364	10	2	50	351	120
5758	-96.69	17.25	2831	12.1	1431	1143	2591	0	2247	10.3	5	14.3	20.1	28	331	301	19	22	129	484	133
5761	-96.55	17.24	2340	15.4	1043	853	3764	0	3730	13.2	6.6	17.6	24.6	1	361	358	12	2	88	346	104
5763	-96.46	17.24	2540	13.6	1316	1037	3111	0	2982	11.7	5.9	15.7	21.9	8	353	331	15	8	135	421	113
5803	-96.56	17.2	2108	17.3	863	730	4450	0	4429	14.9	7.4	19.8	27.3	1	363	364	10	0	58	296	96
5807	-96.32	17.19	2135	16.1	1206	926	4042	0	4042	14.1	7.3	18.5	25.2	0	364	364	11	0	142	353	110
5808	-96.27	17.19	1525	19.3	1017	809	5171	0	5055	16.7	9.5	22.1	29.2	8	362	363	9	0	99	308	117
5809	-96.23	17.18	1503	19.3	1048	829	5186	0	5093	16.7	9.8	22.2	29.1	6	362	362	9	0	104	315	119
5824	-98.53	17.21	1783	18	1694	1448	4706	0	4694	16.9	10	19.3	26.1	1	364	364	9	0	98	692	123
5825	-98.48	17.21	2345	15.3	1494	1303	3734	0	3705	14.3	7.8	16.3	23.1	1	362	357	11	0	77	603	124
5826	-98.43	17.21	2176	15.6	1519	1321	3835	0	3806	14.6	7.9	16.6	23.8	1	362	357	11	0	83	618	121
5835	-97.5	17.18	2440	14.9	951	826	3583	0	3485	13.1	6	16.5	23.7	6	358	343	12	9	52	326	133
5839	-96.98	17.17	2370	16.4	799	695	4141	0	4122	14.2	7.6	18.7	25.6	1	363	363	11	0	36	280	106
5842	-96.6	17.15	2586	14.4	1122	924	3412	0	3350	12.4	6.4	16.5	22.8	1	357	342	14	4	86	374	117
5845	-96.46	17.15	3101	10.3	1305	1053	1949	0	1380	8.8	3.8	12.2	17.7	68	308	231	24	69	107	402	153
5847	-96.32	17.14	1945	17.4	1131	895	4508	0	4498	15.2	8	19.9	26.8	1	364	364	10	0	119	335	120
5849	-96.09	17.13	1800	17.4	1554	1104	4491	0	4450	15.3	9	19.8	26.2	3	363	364	10	0	240	363	172
5871	-98.53	17.17	1927	16.8	1750	1506	4264	0	4264	15.8	9.2	17.8	24.8	0	364	364	9	0	106	725	118
5872	-98.48	17.16	2102	15.8	1608	1393	3927	0	3917	14.9	8.3	16.8	23.9	0	363	359	10	0	91	661	119
5873	-98.44	17.16	1986	16.1	1671	1441	4011	0	3991	15.1	8.2	17.1	24.5	1	363	360	10	0	97	684	121
5879	-97.69	17.14	2788	13.1	1238	1067	2936	0	2714	11.8	5.8	14.7	20.8	17	349	324	15	14	71	432	156
5882	-97.54	17.14	2001	17.2	835	746	4408	0	4408	14.9	7.1	19	26.9	0	364	364	10	0	38	308	110
5889	-96.47	17.1	2973	11.2	1289	1041	2255	0	1780	9.6	4.4	13.1	18.7	49	319	257	21	40	106	405	142
5890	-96.42	17.1	2986	11	1295	1044	2198	0	1718	9.5	4.3	12.9	18.5	50	317	251	22	44	108	402	144
5891	-96.37	17.1	2316	15.6	1101	883	3841	0	3815	13.6	7.1	17.8	24.3	1	362	359	12	1	105	335	108
5892	-96.32	17.1	2217	16	1127	892	4000	0	3991	14.1	7.4	18.3	24.8	0	363	363	11	0	115	334	108
5915	-98.67	17.12	2118	16.3	1641	1423	4109	0	4108	15.5	9.3	17.1	23.6	0	364	364	10	0	90	689	116
5924	-97.73	17.1	2801	13	1275	1100	2912	0	2690	11.8	5.8	14.6	20.6	17	349	324	15	13	73	448	157
5944	-92.58	16.86	2229	14.9	1415	1016	3592	0	3465	12.8	5.9	16.3	23	11	359	348	13	10	204	360	170
5971	-97.69	17.05	2557	14.2	1226	1064	3361	0	3296	13	6.7	15.8	22	3	359	344	13	3	69	423	160
5973	-97.59	17.05	2488	14.6	1113	969	3481	0	3407	13.1	6.5	16.1	22.7	4	359	347	12	5	60	386	150
5980	-96.37	17.01	2510	14.5	1127	920	3465	0	3418	12.8	6.7	16.6	22.8	1	359	348	13	3	94	349	116
5983	-96.23	17	2030	16.9	1184	938	4305	0	4295	15	8.4	19.1	25.7	1	364	365	10	0	121	342	126
5993	-92.63	16.82	2362	14.9	1387	1009	3605	0	3507	13.1	6.1	16.2	23.1	7	359	345	12	9	191	356	165
6010	-98.06	17.02	1831	17.2	1725	1473	4410	0	4410	15.8	8.3	18.5	25.7	0	364	364	9	0	96	670	143
6012	-97.78	17.01	2378	14.9	1250	1089	3601	0	3541	13.5	6.7	16.2	22.8	3	360	354	12	4	68	448	147
6013	-97.69	17.01	2644	13.8	1253	1087	3190	0	3083	12.6	6.5	15.3	21.4	7	357	337	13	5	69	439	158

6016	-97.55	17	2656	13.8	1162	1007	3181	0	3068	12.4	6.3	15.4	21.5	7	356	335	14	7	62	409	150
6017	-97.41	17	1853	17.3	881	787	4444	0	4433	14.8	6.7	19.3	28.1	0	363	364	10	1	37	310	123
6019	-97.17	16.99	2194	16.8	796	711	4285	0	4275	14.5	7.4	18.9	26.3	0	363	364	11	0	28	281	118
6020	-97.08	16.99	1828	18.5	761	695	4897	0	4874	15.9	8	21	29.4	1	363	364	9	0	21	260	125
6021	-97.03	16.99	2129	17.7	756	682	4586	0	4564	15.2	7.9	19.9	27.5	1	363	363	10	0	23	263	120
6027	-96.05	16.95	1911	16.9	1200	942	4311	0	4291	15.2	8.9	19	25.1	2	364	365	10	0	128	339	126
6060	-97.69	16.96	2691	13.5	1278	1108	3098	0	2971	12.3	6.3	15	20.9	8	355	334	14	7	70	452	158
6061	-97.55	16.96	2806	12.9	1228	1061	2885	0	2700	11.7	5.9	14.5	20.3	13	350	325	15	12	66	436	154
6064	-97.08	16.94	2382	16.3	820	725	4082	0	4053	14.3	7.9	18.3	24.9	1	362	361	11	0	28	301	115
6072	-95.68	16.89	1646	17.9	957	772	4655	0	4612	15.9	8.7	20.1	26.6	3	363	364	9	0	84	289	104
6102	-97.55	16.91	2476	14.6	1116	978	3473	0	3400	13	6.4	16	22.4	4	359	347	13	5	54	402	141
6105	-97.09	16.9	2857	12.9	1087	934	2863	0	2688	11.5	6	14.7	20.3	8	346	325	15	10	54	392	137
6134	-97.65	16.87	2441	14.6	1211	1062	3492	0	3417	13.1	6.5	15.9	22.2	4	359	350	12	5	59	440	144
6136	-97.27	16.86	2211	16.3	904	810	4104	0	4104	14.2	7.3	18.2	25.3	0	364	363	11	0	31	328	125
6137	-97.08	16.85	2394	16.1	873	775	4020	0	4010	14.2	7.9	18	24.5	0	363	361	11	0	29	322	122
6138	-97.04	16.85	2433	16	873	774	3992	0	3964	14.2	8	17.9	24.3	1	362	361	11	0	28	323	122
6139	-96.99	16.85	2417	16.3	862	765	4082	0	4063	14.4	8.1	18.2	24.7	1	363	362	11	0	28	317	122
6151	-92.55	16.63	2639	16	1574	1184	3980	0	3979	14.2	7.5	17.2	24.1	0	364	364	11	0	186	421	178
6164	-97.41	16.82	1908	16.9	1038	926	4300	0	4290	14.5	6.9	18.7	26.9	0	363	364	11	1	42	368	135
6165	-97.37	16.82	2255	15.8	988	882	3923	0	3895	13.8	7	17.5	24.3	1	362	360	11	2	36	363	127
6185	-92.55	16.59	2105	15	1053	843	3641	0	3405	12.8	5.3	16.5	23.3	22	356	338	13	17	83	292	145
6186	-92.5	16.59	1980	15.4	1090	868	3798	0	3715	13.2	6	17	23.8	7	361	357	12	8	91	301	154
6187	-92.46	16.58	2400	15.1	1280	971	3656	0	3574	13.1	6.2	16.3	23.3	6	360	352	12	7	144	338	158
6195	-97.42	16.77	2063	16.4	1054	944	4136	0	4126	14.2	7.1	18.1	25.4	0	363	364	11	0	40	381	132
6197	-97.32	16.77	1874	17.4	1036	933	4481	0	4481	15	7.5	19.3	27.4	0	364	363	10	0	36	365	145
6198	-97.27	16.77	2532	14.7	1045	923	3510	0	3459	13.1	7	16.2	22.4	1	359	350	12	1	41	386	136
6199	-97.23	16.77	2156	16.6	949	857	4199	0	4189	14.4	7.7	18.4	25.6	0	363	364	11	0	30	343	134
6202	-97.09	16.76	2383	16	937	837	3975	0	3956	14.1	7.8	17.8	24.3	0	362	361	11	0	29	345	132
6204	-96.99	16.76	2572	15	974	859	3616	0	3563	13.3	7.5	16.7	22.8	1	359	352	12	0	34	360	131
6207	-95.5	16.7	2024	15.7	1086	871	3884	0	3848	14.1	6.9	17.5	24.2	1	361	357	11	2	98	344	99
6226	-97.28	16.72	2400	15.3	1043	930	3735	0	3699	13.6	7.2	16.9	23.3	1	361	359	12	0	37	386	137
6227	-97.18	16.72	2428	15.4	1011	901	3767	0	3731	13.7	7.5	17	23.4	1	361	358	12	0	34	374	136
6228	-97.14	16.72	2546	14.8	1025	907	3554	0	3502	13.2	7.3	16.4	22.5	1	359	351	12	0	37	380	136
6229	-97.09	16.72	2780	13.3	1087	949	3022	0	2891	12	6.4	14.9	20.7	6	352	328	14	5	46	397	141
6231	-97	16.72	2426	15.8	966	864	3933	0	3905	14.1	7.8	17.6	24	1	362	361	11	0	29	355	137
6237	-92.32	16.48	2440	15	1326	1000	3629	0	3571	13.1	6.4	16.3	23.1	3	360	354	12	4	154	348	160
6247	-97.23	16.68	2141	16.5	1033	935	4184	0	4173	14.5	7.8	18.3	25.3	0	363	364	11	0	32	373	145
6252	-97	16.67	2091	17.4	925	844	4474	0	4464	15.2	8.2	19.3	26.6	1	364	365	10	0	24	327	148
6253	-96.95	16.67	2135	17.3	924	841	4450	0	4429	15.2	8.2	19.2	26.4	1	363	364	10	0	24	327	147
6260	-92.28	16.44	2113	15.2	1103	851	3716	0	3657	13.3	6.4	16.6	23.5	3	360	356	12	4	114	288	151
6269	-97.28	16.63	2160	16.3	1104	997	4088	0	4088	14.3	7.8	17.9	24.8	0	364	364	11	0	36	401	148
6271	-97.19	16.63	2213	16.3	1063	960	4081	0	4081	14.3	7.8	18	24.8	0	364	364	11	0	33	385	149
6273	-96.91	16.62	1600	19.7	766	700	5303	0	5255	17.1	8.3	22	30.4	3	363	363	8	0	19	263	134
6274	-96.67	16.61	2162	17.1	957	864	4395	0	4384	15.4	8.2	18.9	26.1	0	363	364	10	0	25	331	153
6275	-96.58	16.61	2526	14.8	1134	994	3539	0	3480	13.3	7.1	16.4	22.7	1	358	343	12	1	44	397	149

6276	-96.53	16.61	1969	17.8	771	698	4643	0	4632	16.2	8.5	19.7	27.3	1	364	365	9	0	20	254	138
6285	-92.33	16.39	2020	15.5	1022	821	3829	0	3785	13.7	6.6	16.9	23.9	3	362	358	12	3	80	275	148
6286	-92.19	16.39	2197	15.1	1181	896	3677	0	3627	13.2	6.5	16.6	23.3	3	361	357	12	3	133	305	151
6287	-92.14	16.38	2240	15.1	1234	926	3659	0	3634	13.1	6.6	16.5	23.2	1	362	358	12	2	146	316	153
6292	-97.05	16.58	1835	18.1	978	896	4758	0	4725	15.9	8.4	20.2	28	2	363	364	9	0	25	340	158
6302	-92.24	16.34	2100	15.4	1082	851	3767	0	3741	13.5	6.6	16.8	23.6	1	362	359	12	2	98	288	146
6303	-92.19	16.34	1886	16.3	1004	820	4094	0	4094	14.5	7.6	17.8	24.7	0	364	364	11	0	68	268	151
6316	-97.14	16.54	2096	16.7	1126	1025	4245	0	4244	14.8	8.2	18.4	25.4	0	364	364	10	0	32	403	163
6317	-97.1	16.54	1933	17.5	1077	984	4534	0	4523	15.4	8.4	19.4	26.8	1	364	364	10	0	30	377	166
6318	-96.91	16.53	2180	16.7	1081	980	4223	0	4222	14.9	8.1	18.4	25.3	0	364	364	10	0	28	386	164
6329	-97	16.49	2193	16.4	1152	1044	4121	0	4121	14.6	8	18	24.8	0	364	364	11	0	32	414	168
6330	-96.91	16.49	2044	17.1	1064	970	4399	0	4388	15.3	8.2	18.9	26.1	1	364	364	10	0	27	374	168
6353	-97.01	16.44	1999	17.1	1137	1038	4399	0	4389	15.2	8.4	18.9	26	1	364	365	10	0	31	399	175
6371	-97.01	16.4	1508	19.7	1024	920	5317	0	5218	17.4	9.4	21.7	29.4	7	363	363	8	0	31	351	161
6374	-96.17	16.37	1700	18.1	774	694	4732	0	4720	16.8	9	19.6	27.2	1	364	364	9	0	23	255	118
6389	-96.96	16.35	2200	15.9	1324	1194	3951	0	3931	14.4	8	17.3	24	1	363	361	11	0	40	476	186
6391	-96.87	16.35	1544	19.5	905	817	5234	0	5186	17.1	8.9	21.5	29.2	3	363	364	8	0	28	306	149
6412	-97.25	16.32	1757	17.9	1460	1332	4672	0	4639	16.1	9.7	19.6	26.2	3	364	364	9	0	46	498	203
6435	-96.92	16.26	1800	17.7	1204	1090	4596	0	4585	15.8	8.7	19.3	26.5	1	364	364	9	0	37	411	184
6436	-96.78	16.26	1571	19	967	865	5067	0	5044	16.7	8.9	20.9	28.4	2	364	364	9	0	34	323	154
6437	-96.73	16.26	2238	15.2	1577	1401	3714	0	3667	14.1	7.7	16.4	23.2	1	360	351	11	0	50	571	208
6439	-96.64	16.25	2413	14.2	1718	1510	3335	0	3227	13.2	7.1	15.3	21.7	4	355	334	12	1	58	634	209
6440	-96.55	16.25	2042	16	1371	1213	3994	0	3954	15	7.8	17.2	24.6	1	361	355	10	0	45	474	193
6442	-96.45	16.25	2291	14.5	1804	1577	3447	0	3315	13.8	7.2	15.4	22.4	4	353	332	11	0	62	652	218
6456	-97.06	16.22	1929	16.9	1425	1295	4317	0	4306	15.3	9	18.4	25	1	364	365	10	0	44	493	203
6457	-97.01	16.22	2009	16.5	1432	1295	4177	0	4177	15	8.6	17.9	24.5	0	364	364	10	0	45	500	203
6458	-96.97	16.22	2314	14.9	1495	1337	3601	0	3565	13.7	7.7	16.1	22.4	1	361	355	12	0	49	543	196
6459	-96.92	16.22	1952	16.8	1367	1234	4267	0	4266	15.2	8.6	18.2	25.1	0	364	364	10	0	42	474	198
6460	-96.83	16.21	1934	16.8	1325	1191	4281	0	4281	15.3	8.4	18.2	25.3	0	364	364	10	0	41	458	195
6461	-96.78	16.21	1534	19.1	1059	939	5082	0	5046	16.9	9.4	20.7	28.1	3	364	364	9	0	40	352	163
6463	-96.69	16.21	2268	14.9	1707	1509	3582	0	3519	13.9	7.5	15.9	22.7	2	359	345	11	0	55	621	217
6465	-96.5	16.2	2088	15.5	1509	1325	3820	0	3751	14.7	7.6	16.5	24	2	359	346	10	0	52	523	203
6485	-96.78	16.17	1845	17.1	1305	1165	4390	0	4389	15.6	8.6	18.5	25.6	0	364	364	10	0	45	445	191
6490	-96.46	16.15	2514	13.4	1495	1292	3061	0	2885	12.6	6.6	14.5	20.7	7	348	326	13	4	62	541	176
6491	-96.41	16.15	2318	14.1	1853	1610	3306	0	3126	13.6	7	14.9	21.8	5	348	328	12	1	67	667	219
6492	-96.36	16.15	2625	12.7	1250	1076	2811	0	2454	11.8	5.8	14	20.3	24	336	309	15	15	60	446	150
6520	-96.23	16.1	1950	15.7	1267	1089	3859	0	3711	15	7.5	16.4	24.6	4	354	335	10	0	56	403	175
6535	-96.46	16.06	2324	14	1859	1612	3271	0	3100	13.5	7.1	14.7	21.5	5	349	329	12	1	70	669	220
6536	-96.13	16.05	2366	13.7	1376	1180	3166	0	2805	13.3	6.5	14.5	21.7	16	337	317	12	7	62	470	166
6550	-96.42	16.02	1680	17.3	1471	1252	4454	0	4453	16.4	9.6	18.1	25.2	0	364	364	9	0	73	473	202
6551	-96.37	16.02	1834	16.4	1434	1230	4115	0	4082	15.8	8.6	17	24.7	1	362	358	9	0	65	464	197
6586	-92.35	15.45	2500	13.4	1606	1290	3075	0	2988	12.2	6.4	14.2	20.3	4	356	337	14	6	117	492	177

