

# Dataset

F179412

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Setup of Rhdf5 Installation

```
if (!requireNamespace("BiocManager", quietly = TRUE))  
  install.packages("BiocManager", repo="https://cran.rstudio.com/")  
BiocManager::install(version = "3.13")
```

```
## Bioconductor version 3.13 (BiocManager 1.30.16), R 4.1.1 (2021-08-10)
```

```
## Installation paths not writeable, unable to update packages
```

```
##   path: C:/Program Files/R/R-4.1.1/library
```

```
##   packages:
```

```
##     lattice, mgcv, nlme, survival
```

```
## Old packages: 'pillar', 'rlang', 'xfun'
```

```
BiocManager::install("rhdf5")
```

```
## Bioconductor version 3.13 (BiocManager 1.30.16), R 4.1.1 (2021-08-10)
```

```
## Warning: package(s) not installed when version(s) same as current; use 'force = TRUE' to
```

```
##   re-install: 'rhdf5'
```

```
## Installation paths not writeable, unable to update packages
```

```
##   path: C:/Program Files/R/R-4.1.1/library
```

```
##   packages:
```

```
##     lattice, mgcv, nlme, survival
```

```
## Old packages: 'pillar', 'rlang', 'xfun'
```

Importing Library for Future Use

```
library(rhdf5)
```

Checking Structure of HDF5 File

```
h5ls("dataset.hdf5")
```

##	group	name	otype	dclass	dim
## 0	/	Domain_03	H5I_GROUP		
## 1	/Domain_03	OSBS	H5I_GROUP		
## 2	/Domain_03/OSBS	min_1	H5I_GROUP		
## 3	/Domain_03/OSBS/min_1	boom_1	H5I_GROUP		
## 4	/Domain_03/OSBS/min_1/boom_1	temperature	H5I_DATASET	COMPOUND	4323
## 5	/Domain_03/OSBS/min_1	boom_2	H5I_GROUP		
## 6	/Domain_03/OSBS/min_1/boom_2	temperature	H5I_DATASET	COMPOUND	4323
## 7	/Domain_03/OSBS/min_1	boom_3	H5I_GROUP		
## 8	/Domain_03/OSBS/min_1/boom_3	temperature	H5I_DATASET	COMPOUND	4323
## 9	/Domain_03/OSBS/min_1	boom_5	H5I_GROUP		
## 10	/Domain_03/OSBS/min_1/boom_5	temperature	H5I_DATASET	COMPOUND	4323
## 11	/Domain_03/OSBS/min_1	tower_top	H5I_GROUP		
## 12	/Domain_03/OSBS/min_1/tower_top	temperature	H5I_DATASET	COMPOUND	4323
## 13	/Domain_03/OSBS	min_30	H5I_GROUP		
## 14	/Domain_03/OSBS/min_30	boom_1	H5I_GROUP		
## 15	/Domain_03/OSBS/min_30/boom_1	temperature	H5I_DATASET	COMPOUND	147
## 16	/Domain_03/OSBS/min_30	boom_2	H5I_GROUP		
## 17	/Domain_03/OSBS/min_30/boom_2	temperature	H5I_DATASET	COMPOUND	147
## 18	/Domain_03/OSBS/min_30	boom_3	H5I_GROUP		
## 19	/Domain_03/OSBS/min_30/boom_3	temperature	H5I_DATASET	COMPOUND	147
## 20	/Domain_03/OSBS/min_30	boom_5	H5I_GROUP		
## 21	/Domain_03/OSBS/min_30/boom_5	temperature	H5I_DATASET	COMPOUND	147
## 22	/Domain_03/OSBS/min_30	tower_top	H5I_GROUP		
## 23	/Domain_03/OSBS/min_30/tower_top	temperature	H5I_DATASET	COMPOUND	147
## 24	/	Domain_10	H5I_GROUP		
## 25	/Domain_10	STER	H5I_GROUP		
## 26	/Domain_10/STER	min_1	H5I_GROUP		
## 27	/Domain_10/STER/min_1	boom_1	H5I_GROUP		
## 28	/Domain_10/STER/min_1/boom_1	temperature	H5I_DATASET	COMPOUND	4323
## 29	/Domain_10/STER/min_1	boom_2	H5I_GROUP		
## 30	/Domain_10/STER/min_1/boom_2	temperature	H5I_DATASET	COMPOUND	4323
## 31	/Domain_10/STER/min_1	boom_3	H5I_GROUP		
## 32	/Domain_10/STER/min_1/boom_3	temperature	H5I_DATASET	COMPOUND	4323
## 33	/Domain_10/STER	min_30	H5I_GROUP		
## 34	/Domain_10/STER/min_30	boom_1	H5I_GROUP		
## 35	/Domain_10/STER/min_30/boom_1	temperature	H5I_DATASET	COMPOUND	147
## 36	/Domain_10/STER/min_30	boom_2	H5I_GROUP		
## 37	/Domain_10/STER/min_30/boom_2	temperature	H5I_DATASET	COMPOUND	147
## 38	/Domain_10/STER/min_30	boom_3	H5I_GROUP		
## 39	/Domain_10/STER/min_30/boom_3	temperature	H5I_DATASET	COMPOUND	147

This dataset contains from 2 domains of NeonScience satellite capturing temperature data of Seattle city. Each domain has divided city into multiple booms. Let's take data from domain 3 and Boom 1 for instance.

```
data<- h5read("dataset.hdf5", "/Domain_03/OSBS/min_1/boom_1")
```

Let's display what we read at the current moment.

```
data
```

```
## $temperature
##           date numPts      mean      min      max      variance
```

## 1	2014-04-01 00:00:00.0	60 15.061538 14.968861 15.156247 2.655015e-03
## 2	2014-04-01 00:01:00.0	60 14.998578 14.937197 15.042743 1.254117e-03
## 3	2014-04-01 00:02:00.0	60 15.262313 15.035021 15.566826 4.143754e-02
## 4	2014-04-01 00:03:00.0	60 15.453514 15.385535 15.534492 1.174759e-03
## 5	2014-04-01 00:04:00.0	60 15.353062 15.237991 15.423458 3.526443e-03
## 6	2014-04-01 00:05:00.0	60 15.128070 15.058457 15.234942 3.764170e-03
## 7	2014-04-01 00:06:00.0	60 15.194531 15.099289 15.275794 1.367752e-03
## 8	2014-04-01 00:07:00.0	60 15.505682 15.284572 15.652820 1.692407e-02
## 9	2014-04-01 00:08:00.0	60 15.492722 15.271474 15.655969 1.772526e-02
## 10	2014-04-01 00:09:00.0	60 15.375332 15.275658 15.453210 2.186238e-03
## 11	2014-04-01 00:10:00.0	60 15.340243 15.287464 15.380472 8.695045e-04
## 12	2014-04-01 00:11:00.0	60 15.158865 15.111213 15.286565 2.092377e-03
## 13	2014-04-01 00:12:00.0	60 15.186992 15.050580 15.271690 4.685882e-03
## 14	2014-04-01 00:13:00.0	60 15.068753 15.016414 15.117720 1.003661e-03
## 15	2014-04-01 00:14:00.0	60 15.122980 15.053318 15.265453 3.438040e-03
## 16	2014-04-01 00:15:00.0	60 15.150045 14.960945 15.285061 1.313307e-02
## 17	2014-04-01 00:16:00.0	60 15.037419 14.964111 15.163459 4.217241e-03
## 18	2014-04-01 00:17:00.0	60 14.717551 14.613586 14.951896 1.232419e-02
## 19	2014-04-01 00:18:00.0	60 14.603001 14.496504 14.688515 3.225964e-03
## 20	2014-04-01 00:19:00.0	60 14.448766 14.334989 14.676652 9.692948e-03
## 21	2014-04-01 00:20:00.0	60 14.358327 14.295203 14.474168 3.136116e-03
## 22	2014-04-01 00:21:00.0	60 14.500503 14.436489 14.567306 1.680835e-03
## 23	2014-04-01 00:22:00.0	60 14.685317 14.543991 14.842795 1.386003e-02
## 24	2014-04-01 00:23:00.0	60 14.578425 14.488061 14.762273 6.158928e-03
## 25	2014-04-01 00:24:00.0	60 14.663271 14.554624 14.773746 4.552710e-03
## 26	2014-04-01 00:25:00.0	60 14.559813 14.505103 14.611513 1.193210e-03
## 27	2014-04-01 00:26:00.0	60 14.590606 14.516222 14.670594 2.305394e-03
## 28	2014-04-01 00:27:00.0	60 14.645550 14.597853 14.722129 4.982980e-04
## 29	2014-04-01 00:28:00.0	60 15.091036 14.745799 15.192389 1.248275e-02
## 30	2014-04-01 00:29:00.0	60 14.869637 14.675694 15.191313 3.478926e-02
## 31	2014-04-01 00:30:00.0	60 14.493824 14.288011 14.722229 2.193322e-02
## 32	2014-04-01 00:31:00.0	60 14.407988 14.272574 14.565060 1.022184e-02
## 33	2014-04-01 00:32:00.0	60 14.352239 14.251625 14.505610 9.354145e-03
## 34	2014-04-01 00:33:00.0	60 14.615996 14.497521 14.776795 8.286670e-03
## 35	2014-04-01 00:34:00.0	60 15.156900 14.779843 15.459992 7.224926e-02
## 36	2014-04-01 00:35:00.0	60 15.038811 14.599005 15.321712 5.127507e-02
## 37	2014-04-01 00:36:00.0	60 14.768683 14.527908 15.276283 5.508711e-02
## 38	2014-04-01 00:37:00.0	60 15.184144 14.752052 15.416458 4.168506e-02
## 39	2014-04-01 00:38:00.0	60 14.557699 14.491678 14.731453 2.908394e-03
## 40	2014-04-01 00:39:00.0	60 14.373706 14.288362 14.503714 4.170239e-03
## 41	2014-04-01 00:40:00.0	60 14.695935 14.473248 14.797647 8.913051e-03
## 42	2014-04-01 00:41:00.0	60 14.593249 14.471353 14.746424 6.420796e-03
## 43	2014-04-01 00:42:00.0	60 14.954549 14.485461 15.526377 8.790127e-02
## 44	2014-04-01 00:43:00.0	60 15.358484 15.185431 15.538302 1.588299e-02
## 45	2014-04-01 00:44:00.0	60 15.266456 15.005352 15.480713 3.558805e-02
## 46	2014-04-01 00:45:00.0	60 16.136404 15.397790 16.557179 8.110604e-02
## 47	2014-04-01 00:46:00.0	60 16.391803 16.177000 16.568756 1.660585e-02
## 48	2014-04-01 00:47:00.0	60 16.748157 16.178507 17.307167 2.028881e-01
## 49	2014-04-01 00:48:00.0	60 16.988910 16.818304 17.272783 1.878649e-02
## 50	2014-04-01 00:49:00.0	60 17.281818 16.858786 17.461784 3.204007e-02
## 51	2014-04-01 00:50:00.0	60 16.440673 16.107139 16.838936 3.544779e-02
## 52	2014-04-01 00:51:00.0	60 15.877682 15.763258 16.107903 1.331714e-02
## 53	2014-04-01 00:52:00.0	60 15.947659 15.752037 16.152051 2.022470e-02
## 54	2014-04-01 00:53:00.0	60 16.030381 15.773541 16.271655 3.240541e-02

## 55	2014-04-01 00:54:00.0	60 15.621047 15.493596 15.908673 1.096747e-02
## 56	2014-04-01 00:55:00.0	60 15.502011 15.290024 15.724842 2.201912e-02
## 57	2014-04-01 00:56:00.0	60 15.076025 14.889586 15.304354 1.137714e-02
## 58	2014-04-01 00:57:00.0	60 14.545765 14.287914 14.877000 3.308199e-02
## 59	2014-04-01 00:58:00.0	60 14.184661 14.090611 14.282207 1.982435e-03
## 60	2014-04-01 00:59:00.0	60 14.213730 14.054912 14.423513 1.534802e-02
## 61	2014-04-01 01:00:00.0	60 14.353978 14.086644 14.507449 2.141809e-02
## 62	2014-04-01 01:01:00.0	60 14.085049 14.035626 14.156872 1.481528e-03
## 63	2014-04-01 01:02:00.0	60 14.150915 13.989396 14.295086 1.123623e-02
## 64	2014-04-01 01:03:00.0	60 14.341593 14.110015 14.502464 1.034082e-02
## 65	2014-04-01 01:04:00.0	60 13.941744 13.825344 14.190521 8.772991e-03
## 66	2014-04-01 01:05:00.0	60 14.336945 13.920206 14.745583 1.043530e-01
## 67	2014-04-01 01:06:00.0	60 15.229074 14.730867 15.747734 1.510566e-01
## 68	2014-04-01 01:07:00.0	60 14.880480 14.521655 15.399258 5.466782e-02
## 69	2014-04-01 01:08:00.0	60 14.566074 14.295634 14.892478 4.722230e-02
## 70	2014-04-01 01:09:00.0	60 15.194681 14.772261 15.384420 2.224996e-02
## 71	2014-04-01 01:10:00.0	60 15.039486 14.637155 15.337994 5.345160e-02
## 72	2014-04-01 01:11:00.0	60 14.684865 14.483722 15.062367 3.404645e-02
## 73	2014-04-01 01:12:00.0	60 15.427381 15.109317 15.563385 1.101698e-02
## 74	2014-04-01 01:13:00.0	60 15.312346 15.018154 15.475476 2.200116e-02
## 75	2014-04-01 01:14:00.0	60 15.035590 14.948084 15.351228 1.022444e-02
## 76	2014-04-01 01:15:00.0	60 15.096315 14.774313 15.437237 4.480103e-02
## 77	2014-04-01 01:16:00.0	60 14.717754 14.667973 14.791453 8.616933e-04
## 78	2014-04-01 01:17:00.0	60 14.418689 14.158649 14.711362 2.836499e-02
## 79	2014-04-01 01:18:00.0	60 14.098083 14.014249 14.189584 3.608653e-03
## 80	2014-04-01 01:19:00.0	60 14.025246 13.820225 14.226202 2.136442e-02
## 81	2014-04-01 01:20:00.0	60 13.977732 13.764033 14.286682 3.501790e-02
## 82	2014-04-01 01:21:00.0	60 14.117557 13.966318 14.270464 6.982462e-03
## 83	2014-04-01 01:22:00.0	60 13.770876 13.663785 14.002898 1.002947e-02
## 84	2014-04-01 01:23:00.0	60 14.004936 13.739495 14.231322 1.845475e-02
## 85	2014-04-01 01:24:00.0	60 13.642992 13.537790 13.913289 1.191389e-02
## 86	2014-04-01 01:25:00.0	60 13.549164 13.488419 13.606541 1.398388e-03
## 87	2014-04-01 01:26:00.0	60 13.284785 13.206578 13.476601 6.684199e-03
## 88	2014-04-01 01:27:00.0	60 13.532240 13.256999 13.879350 4.739382e-02
## 89	2014-04-01 01:28:00.0	60 13.648884 13.493149 13.877435 1.122465e-02
## 90	2014-04-01 01:29:00.0	60 13.568055 13.238400 13.776597 3.331422e-02
## 91	2014-04-01 01:30:00.0	60 13.393410 13.230255 13.601148 1.031777e-02
## 92	2014-04-01 01:31:00.0	60 13.908172 13.529252 14.289986 5.255750e-02
## 93	2014-04-01 01:32:00.0	60 13.509884 13.402988 13.606052 4.872277e-03
## 94	2014-04-01 01:33:00.0	60 13.667595 13.380521 14.143779 7.599427e-02
## 95	2014-04-01 01:34:00.0	60 13.517481 13.331193 14.000826 4.225044e-02
## 96	2014-04-01 01:35:00.0	60 13.358168 13.100857 13.498736 1.276777e-02
## 97	2014-04-01 01:36:00.0	60 13.009637 12.950972 13.091696 2.453621e-03
## 98	2014-04-01 01:37:00.0	60 13.159905 13.095114 13.200248 1.035832e-03
## 99	2014-04-01 01:38:00.0	60 13.147737 13.100504 13.259519 9.890844e-04
## 100	2014-04-01 01:39:00.0	60 13.337391 13.135451 13.475175 1.343112e-02
## 101	2014-04-01 01:40:00.0	60 13.234138 13.128264 13.338578 4.278701e-03
## 102	2014-04-01 01:41:00.0	60 12.892048 12.796333 13.109939 8.516365e-03
## 103	2014-04-01 01:42:00.0	60 13.269889 13.077786 13.346782 3.368312e-03
## 104	2014-04-01 01:43:00.0	60 13.014806 12.803772 13.234454 2.240163e-02
## 105	2014-04-01 01:44:00.0	60 12.915957 12.786427 13.090933 1.251076e-02
## 106	2014-04-01 01:45:00.0	60 12.876925 12.791468 13.068294 7.762284e-03
## 107	2014-04-01 01:46:00.0	60 12.716708 12.666852 12.792620 1.220355e-03
## 108	2014-04-01 01:47:00.0	60 12.590477 12.477011 12.682791 5.942583e-03

## 109	2014-04-01	01:48:00.0	60	12.374076	12.339089	12.473573	1.577162e-03
## 110	2014-04-01	01:49:00.0	60	12.543950	12.338503	12.703963	1.825232e-02
## 111	2014-04-01	01:50:00.0	60	12.517764	12.379048	12.634821	5.504581e-03
## 112	2014-04-01	01:51:00.0	60	12.450211	12.370649	12.545602	2.661766e-03
## 113	2014-04-01	01:52:00.0	60	12.355926	12.272824	12.406389	1.537503e-03
## 114	2014-04-01	01:53:00.0	60	12.313541	12.254624	12.377972	1.108196e-03
## 115	2014-04-01	01:54:00.0	60	12.289880	12.249486	12.375863	1.553631e-03
## 116	2014-04-01	01:55:00.0	60	12.208521	12.111770	12.287041	3.580347e-03
## 117	2014-04-01	01:56:00.0	60	12.052427	11.987766	12.109093	1.159355e-03
## 118	2014-04-01	01:57:00.0	60	12.001891	11.950116	12.071833	1.279917e-03
## 119	2014-04-01	01:58:00.0	60	12.061545	12.020925	12.098550	4.719848e-04
## 120	2014-04-01	01:59:00.0	60	12.285450	11.995401	12.528200	4.263208e-02
## 121	2014-04-01	02:00:00.0	60	12.373653	12.282610	12.447557	2.356956e-03
## 122	2014-04-01	02:01:00.0	60	12.136006	11.962263	12.275363	9.908928e-03
## 123	2014-04-01	02:02:00.0	60	11.932159	11.848635	11.982005	1.539070e-03
## 124	2014-04-01	02:03:00.0	60	11.948064	11.847481	12.040119	3.744252e-03
## 125	2014-04-01	02:04:00.0	60	11.964091	11.878141	12.161822	9.619960e-03
## 126	2014-04-01	02:05:00.0	60	12.224407	12.129619	12.294072	2.390424e-03
## 127	2014-04-01	02:06:00.0	60	12.165544	12.103372	12.212127	1.236246e-03
## 128	2014-04-01	02:07:00.0	60	12.009971	11.889505	12.151255	7.360713e-03
## 129	2014-04-01	02:08:00.0	60	11.931220	11.876147	11.969821	1.085191e-03
## 130	2014-04-01	02:09:00.0	60	12.169575	11.974390	12.384006	1.520277e-02
## 131	2014-04-01	02:10:00.0	60	12.188792	12.081871	12.378305	8.930499e-03
## 132	2014-04-01	02:11:00.0	60	12.358448	12.180784	12.505701	1.091084e-02
## 133	2014-04-01	02:12:00.0	60	12.191997	12.141920	12.363051	3.166393e-03
## 134	2014-04-01	02:13:00.0	60	12.032804	11.758110	12.201620	2.509896e-02
## 135	2014-04-01	02:14:00.0	60	11.659775	11.599285	11.751235	1.847584e-03
## 136	2014-04-01	02:15:00.0	60	11.500437	11.424166	11.639312	5.822126e-03
## 137	2014-04-01	02:16:00.0	60	11.410338	11.335431	11.449235	1.593334e-03
## 138	2014-04-01	02:17:00.0	60	11.300813	11.241600	11.347906	1.531898e-03
## 139	2014-04-01	02:18:00.0	60	11.356842	11.247125	11.569959	9.707411e-03
## 140	2014-04-01	02:19:00.0	60	11.433984	11.334689	11.576362	7.797468e-03
## 141	2014-04-01	02:20:00.0	60	11.377883	11.296830	11.540945	6.233071e-03
## 142	2014-04-01	02:21:00.0	60	11.533341	11.409582	11.608736	4.762111e-03
## 143	2014-04-01	02:22:00.0	60	11.512692	11.410050	11.705720	1.431974e-02
## 144	2014-04-01	02:23:00.0	60	11.772142	11.533329	12.080993	4.752663e-02
## 145	2014-04-01	02:24:00.0	60	11.692641	11.534092	11.986302	2.029409e-02
## 146	2014-04-01	02:25:00.0	60	11.474655	11.420008	11.562793	1.640152e-03
## 147	2014-04-01	02:26:00.0	60	11.830838	11.567732	12.258957	4.914060e-02
## 148	2014-04-01	02:27:00.0	60	11.944045	11.635565	12.333698	6.614546e-02
## 149	2014-04-01	02:28:00.0	60	11.657315	11.605534	11.722824	1.448098e-03
## 150	2014-04-01	02:29:00.0	60	11.513414	11.309111	11.631718	1.182318e-02
## 151	2014-04-01	02:30:00.0	60	11.326885	11.280763	11.377015	9.371254e-04
## 152	2014-04-01	02:31:00.0	60	11.232206	11.208352	11.274672	3.975116e-04
## 153	2014-04-01	02:32:00.0	60	11.173086	11.115891	11.229749	9.537238e-04
## 154	2014-04-01	02:33:00.0	60	11.181076	11.061288	11.500879	2.010926e-02
## 155	2014-04-01	02:34:00.0	60	11.300326	11.162276	11.539947	2.042077e-02
## 156	2014-04-01	02:35:00.0	60	11.262081	11.162608	11.363250	4.397850e-03
## 157	2014-04-01	02:36:00.0	60	11.372175	11.246245	11.532646	9.954653e-03
## 158	2014-04-01	02:37:00.0	60	11.172887	11.073859	11.334804	5.983758e-03
## 159	2014-04-01	02:38:00.0	60	11.158619	11.106344	11.183927	3.906755e-04
## 160	2014-04-01	02:39:00.0	60	11.055512	10.957118	11.102536	1.420328e-03
## 161	2014-04-01	02:40:00.0	60	10.887938	10.825780	10.951788	1.596414e-03
## 162	2014-04-01	02:41:00.0	60	10.779980	10.738366	10.821582	3.795691e-04

## 163	2014-04-01	02:42:00.0	60	10.783214	10.738504	10.816956	3.811898e-04
## 164	2014-04-01	02:43:00.0	60	10.715045	10.660773	10.756657	7.704959e-04
## 165	2014-04-01	02:44:00.0	60	10.995962	10.658862	11.319342	5.937102e-02
## 166	2014-04-01	02:45:00.0	60	11.149603	11.063435	11.271059	4.762019e-03
## 167	2014-04-01	02:46:00.0	60	11.187286	11.105272	11.237772	1.541448e-03
## 168	2014-04-01	02:47:00.0	60	11.421494	11.163527	11.568298	1.224498e-02
## 169	2014-04-01	02:48:00.0	60	11.432890	11.309405	11.633474	1.458847e-02
## 170	2014-04-01	02:49:00.0	60	11.108826	10.982807	11.318835	9.093447e-03
## 171	2014-04-01	02:50:00.0	60	11.171597	11.046997	11.267369	2.656405e-03
## 172	2014-04-01	02:51:00.0	60	11.091701	10.977948	11.198687	3.813446e-03
## 173	2014-04-01	02:52:00.0	60	10.950702	10.916728	10.990128	4.403954e-04
## 174	2014-04-01	02:53:00.0	60	10.987361	10.836555	11.072746	4.747774e-03
## 175	2014-04-01	02:54:00.0	60	10.948796	10.810963	11.076162	1.019505e-02
## 176	2014-04-01	02:55:00.0	60	10.996522	10.950948	11.043932	1.245101e-03
## 177	2014-04-01	02:56:00.0	60	11.135963	11.036903	11.254093	4.884046e-03
## 178	2014-04-01	02:57:00.0	60	11.052798	10.968714	11.215458	4.390413e-03
## 179	2014-04-01	02:58:00.0	60	11.094684	10.939588	11.294548	1.599511e-02
## 180	2014-04-01	02:59:00.0	60	11.199943	10.961237	11.309659	1.205173e-02
## 181	2014-04-01	03:00:00.0	60	11.298174	11.260048	11.329338	3.455580e-04
## 182	2014-04-01	03:01:00.0	60	11.079750	10.895215	11.249761	9.913674e-03
## 183	2014-04-01	03:02:00.0	60	10.888944	10.812232	11.016698	3.559977e-03
## 184	2014-04-01	03:03:00.0	60	10.862622	10.729659	11.019001	1.021005e-02
## 185	2014-04-01	03:04:00.0	60	10.899297	10.733875	11.053867	8.231450e-03
## 186	2014-04-01	03:05:00.0	60	10.881993	10.774518	11.038328	6.048062e-03
## 187	2014-04-01	03:06:00.0	60	11.329935	11.042898	11.476902	1.530501e-02
## 188	2014-04-01	03:07:00.0	60	10.988562	10.864528	11.181079	8.930601e-03
## 189	2014-04-01	03:08:00.0	60	10.856572	10.761848	10.922273	3.187524e-03
## 190	2014-04-01	03:09:00.0	60	10.919033	10.766047	11.075031	1.012445e-02
## 191	2014-04-01	03:10:00.0	60	10.956038	10.819514	11.113762	1.216941e-02
## 192	2014-04-01	03:11:00.0	60	11.186587	11.104218	11.304738	2.403156e-03
## 193	2014-04-01	03:12:00.0	60	11.255006	11.134067	11.425456	1.210222e-02
## 194	2014-04-01	03:13:00.0	60	11.423652	11.191951	11.607172	2.125715e-02
## 195	2014-04-01	03:14:00.0	60	11.569305	11.515172	11.705408	3.525487e-03
## 196	2014-04-01	03:15:00.0	60	11.767907	11.698554	11.821180	8.827014e-04
## 197	2014-04-01	03:16:00.0	60	11.884924	11.687093	12.141237	1.549525e-02
## 198	2014-04-01	03:17:00.0	60	12.442806	12.154596	12.639020	1.565851e-02
## 199	2014-04-01	03:18:00.0	60	12.260778	11.963044	12.513260	4.575674e-02
## 200	2014-04-01	03:19:00.0	60	12.262480	11.962655	12.473476	2.471346e-02
## 201	2014-04-01	03:20:00.0	60	12.023740	11.640054	12.466424	8.420937e-02
## 202	2014-04-01	03:21:00.0	60	11.737909	11.657549	11.812412	1.374074e-03
## 203	2014-04-01	03:22:00.0	60	11.462305	11.349290	11.685394	8.519540e-03
## 204	2014-04-01	03:23:00.0	60	11.273487	11.248453	11.337851	3.714687e-04
## 205	2014-04-01	03:24:00.0	60	11.300538	11.206438	11.423191	4.011026e-03
## 206	2014-04-01	03:25:00.0	60	11.430518	11.320299	11.546294	5.286421e-03
## 207	2014-04-01	03:26:00.0	60	11.018320	10.821661	11.351614	3.181939e-02
## 208	2014-04-01	03:27:00.0	60	10.702612	10.553473	10.816702	7.500536e-03
## 209	2014-04-01	03:28:00.0	60	10.654025	10.549669	10.718767	2.554406e-03
## 210	2014-04-01	03:29:00.0	60	10.754466	10.648945	10.824022	3.711432e-03
## 211	2014-04-01	03:30:00.0	60	10.954906	10.800227	11.092014	1.065067e-02
## 212	2014-04-01	03:31:00.0	60	10.946851	10.833472	11.092014	6.306638e-03
## 213	2014-04-01	03:32:00.0	60	10.880818	10.807801	10.958563	2.206536e-03
## 214	2014-04-01	03:33:00.0	60	10.932531	10.882585	10.962916	7.160338e-04
## 215	2014-04-01	03:34:00.0	60	10.884902	10.798449	10.958269	1.572790e-03
## 216	2014-04-01	03:35:00.0	60	10.585014	10.424982	10.788905	1.395990e-02

## 217	2014-04-01	03:36:00.0	60	10.360401	10.323566	10.422991	8.461897e-04
## 218	2014-04-01	03:37:00.0	60	10.364870	10.260836	10.433063	2.488477e-03
## 219	2014-04-01	03:38:00.0	60	10.280972	10.239503	10.329869	1.072292e-03
## 220	2014-04-01	03:39:00.0	60	10.272750	10.229667	10.323996	1.010354e-03
## 221	2014-04-01	03:40:00.0	60	10.364350	10.261598	10.409212	1.709403e-03
## 222	2014-04-01	03:41:00.0	60	10.277259	10.215497	10.492594	6.416138e-03
## 223	2014-04-01	03:42:00.0	60	10.480141	10.317749	10.596926	6.149834e-03
## 224	2014-04-01	03:43:00.0	60	10.346323	10.300534	10.410031	1.354957e-03
## 225	2014-04-01	03:44:00.0	60	10.286197	10.187606	10.362249	2.279018e-03
## 226	2014-04-01	03:45:00.0	60	10.123662	10.076653	10.181888	9.152958e-04
## 227	2014-04-01	03:46:00.0	60	10.097561	10.077863	10.113755	9.526405e-05
## 228	2014-04-01	03:47:00.0	60	10.197061	10.088090	10.400291	1.487996e-02
## 229	2014-04-01	03:48:00.0	60	10.290154	10.164127	10.438548	8.056897e-03
## 230	2014-04-01	03:49:00.0	60	10.118035	9.997086	10.268134	4.819456e-03
## 231	2014-04-01	03:50:00.0	60	10.135798	10.004113	10.242176	7.481290e-03
## 232	2014-04-01	03:51:00.0	60	10.139731	10.002355	10.357312	1.750208e-02
## 233	2014-04-01	03:52:00.0	60	10.324940	10.253361	10.421645	2.176583e-03
## 234	2014-04-01	03:53:00.0	60	10.271041	10.061177	10.461034	2.008934e-02
## 235	2014-04-01	03:54:00.0	60	10.191755	10.056143	10.263276	2.213809e-03
## 236	2014-04-01	03:55:00.0	60	10.184527	9.996032	10.433590	2.853860e-02
## 237	2014-04-01	03:56:00.0	60	10.175260	10.010748	10.295812	8.235993e-03
## 238	2014-04-01	03:57:00.0	60	10.258495	10.005635	10.575941	3.212625e-02
## 239	2014-04-01	03:58:00.0	60	10.460175	10.177381	10.697900	3.016102e-02
## 240	2014-04-01	03:59:00.0	60	10.210010	10.150037	10.281642	1.989655e-03
## 241	2014-04-01	04:00:00.0	60	10.402846	10.160244	10.671549	1.590167e-02
## 242	2014-04-01	04:01:00.0	60	10.617964	10.472549	10.766651	6.568062e-03
## 243	2014-04-01	04:02:00.0	60	10.296424	10.130207	10.472684	1.344233e-02
## 244	2014-04-01	04:03:00.0	60	10.183644	10.127925	10.243074	1.208227e-03
## 245	2014-04-01	04:04:00.0	60	10.049761	9.967150	10.181420	5.247367e-03
## 246	2014-04-01	04:05:00.0	60	10.241445	10.023142	10.360200	1.014939e-02
## 247	2014-04-01	04:06:00.0	60	10.200632	10.039457	10.326610	9.667810e-03
## 248	2014-04-01	04:07:00.0	60	10.074923	10.016076	10.187606	3.441386e-03
## 249	2014-04-01	04:08:00.0	60	10.190158	10.136842	10.312576	2.298020e-03
## 250	2014-04-01	04:09:00.0	60	10.456900	10.318667	10.557963	5.389633e-03
## 251	2014-04-01	04:10:00.0	60	10.110780	9.878978	10.425138	3.277595e-02
## 252	2014-04-01	04:11:00.0	60	9.787026	9.670914	9.874041	4.742410e-03
## 253	2014-04-01	04:12:00.0	60	9.719336	9.673255	9.795844	1.291243e-03
## 254	2014-04-01	04:13:00.0	60	9.966269	9.799668	10.047614	4.180490e-03
## 255	2014-04-01	04:14:00.0	60	9.759543	9.668922	9.949840	7.318168e-03
## 256	2014-04-01	04:15:00.0	60	9.695172	9.642327	9.755390	1.516985e-03
## 257	2014-04-01	04:16:00.0	60	9.695660	9.681647	9.709396	5.752170e-05
## 258	2014-04-01	04:17:00.0	60	9.726895	9.690563	9.810949	1.318008e-03
## 259	2014-04-01	04:18:00.0	60	9.960327	9.815125	10.036646	4.163910e-03
## 260	2014-04-01	04:19:00.0	60	10.016754	9.943829	10.088443	1.259011e-03
## 261	2014-04-01	04:20:00.0	60	10.005332	9.938207	10.097537	2.149371e-03
## 262	2014-04-01	04:21:00.0	60	9.899431	9.744054	9.973082	3.873891e-03
## 263	2014-04-01	04:22:00.0	60	9.777370	9.705042	9.852399	2.916904e-03
## 264	2014-04-01	04:23:00.0	60	9.592941	9.531469	9.761421	3.140548e-03
## 265	2014-04-01	04:24:00.0	60	9.635984	9.611025	9.660921	2.687549e-04
## 266	2014-04-01	04:25:00.0	60	9.616169	9.588546	9.651243	2.992199e-04
## 267	2014-04-01	04:26:00.0	60	9.606090	9.530884	9.758846	4.680908e-03
## 268	2014-04-01	04:27:00.0	60	9.621390	9.418196	9.774067	1.009495e-02
## 269	2014-04-01	04:28:00.0	60	9.373775	9.327290	9.434314	8.927444e-04
## 270	2014-04-01	04:29:00.0	60	9.452052	9.359601	9.552056	3.247278e-03

## 271	2014-04-01	04:30:00.0	60	9.314594	9.296812	9.353885	1.272024e-04
## 272	2014-04-01	04:31:00.0	60	9.326119	9.301027	9.347095	1.433245e-04
## 273	2014-04-01	04:32:00.0	60	9.389472	9.328499	9.449184	1.092901e-03
## 274	2014-04-01	04:33:00.0	60	9.490745	9.429319	9.588019	3.343111e-03
## 275	2014-04-01	04:34:00.0	60	9.621538	9.557851	9.775589	2.508604e-03
## 276	2014-04-01	04:35:00.0	60	9.761167	9.642639	9.896581	1.007080e-02
## 277	2014-04-01	04:36:00.0	60	9.615277	9.580019	9.659167	6.147060e-04
## 278	2014-04-01	04:37:00.0	60	9.493138	9.445613	9.584057	1.371735e-03
## 279	2014-04-01	04:38:00.0	60	9.607804	9.483624	9.744210	6.920150e-03
## 280	2014-04-01	04:39:00.0	60	9.581103	9.413319	9.901088	3.177000e-02
## 281	2014-04-01	04:40:00.0	60	9.531313	9.384265	9.878686	2.176419e-02
## 282	2014-04-01	04:41:00.0	60	9.429509	9.277943	9.621543	1.941253e-02
## 283	2014-04-01	04:42:00.0	60	9.409192	9.319681	9.586418	7.979624e-03
## 284	2014-04-01	04:43:00.0	60	9.283535	9.195546	9.459994	6.990189e-03
## 285	2014-04-01	04:44:00.0	60	9.395615	9.181870	9.534065	1.211597e-02
## 286	2014-04-01	04:45:00.0	60	9.442844	9.158339	9.648355	2.694067e-02
## 287	2014-04-01	04:46:00.0	60	9.390176	9.212034	9.637214	2.670170e-02
## 288	2014-04-01	04:47:00.0	60	9.439450	9.343212	9.593541	5.217037e-03
## 289	2014-04-01	04:48:00.0	60	9.492774	9.408889	9.615747	3.388352e-03
## 290	2014-04-01	04:49:00.0	60	9.672086	9.476051	9.867094	1.509643e-02
## 291	2014-04-01	04:50:00.0	60	9.802619	9.701687	9.873046	3.281471e-03
## 292	2014-04-01	04:51:00.0	60	9.694826	9.658484	9.739856	2.742230e-04
## 293	2014-04-01	04:52:00.0	60	9.866764	9.750141	9.911138	1.126283e-03
## 294	2014-04-01	04:53:00.0	60	9.825846	9.632802	9.900249	5.166301e-03
## 295	2014-04-01	04:54:00.0	60	9.586238	9.501302	9.650248	1.914955e-03
## 296	2014-04-01	04:55:00.0	60	9.446441	9.327525	9.680884	1.021265e-02
## 297	2014-04-01	04:56:00.0	60	9.743002	9.669549	9.817039	2.551515e-03
## 298	2014-04-01	04:57:00.0	60	9.688441	9.571159	9.889263	8.350743e-03
## 299	2014-04-01	04:58:00.0	60	9.599100	9.414334	9.894532	2.185759e-02
## 300	2014-04-01	04:59:00.0	60	10.014978	9.688885	10.266553	3.842925e-02
## 301	2014-04-01	05:00:00.0	60	9.715506	9.588605	10.025756	1.439595e-02
## 302	2014-04-01	05:01:00.0	60	9.757138	9.578788	9.814599	3.681746e-03
## 303	2014-04-01	05:02:00.0	60	9.402692	9.296500	9.564701	6.558416e-03
## 304	2014-04-01	05:03:00.0	60	9.284428	9.160817	9.429690	8.586580e-03
## 305	2014-04-01	05:04:00.0	60	9.330779	9.137835	9.514533	2.333289e-02
## 306	2014-04-01	05:05:00.0	60	9.380302	9.224678	9.483097	1.025025e-02
## 307	2014-04-01	05:06:00.0	60	9.289418	9.236403	9.343952	7.168682e-04
## 308	2014-04-01	05:07:00.0	60	9.170319	9.119376	9.264287	2.236071e-03
## 309	2014-04-01	05:08:00.0	60	9.317429	9.152156	9.460462	9.474139e-03
## 310	2014-04-01	05:09:00.0	60	9.200402	9.097933	9.413163	8.784072e-03
## 311	2014-04-01	05:10:00.0	60	9.494932	9.285086	9.585111	7.791866e-03
## 312	2014-04-01	05:11:00.0	60	9.163107	9.116450	9.278997	1.791639e-03
## 313	2014-04-01	05:12:00.0	60	9.381143	9.177128	9.523781	1.320414e-02
## 314	2014-04-01	05:13:00.0	60	9.138283	8.991116	9.219645	7.131807e-03
## 315	2014-04-01	05:14:00.0	60	8.968988	8.898250	9.024322	1.944342e-03
## 316	2014-04-01	05:15:00.0	60	8.992410	8.856070	9.146847	1.266478e-02
## 317	2014-04-01	05:16:00.0	60	9.103457	8.973594	9.307720	1.492206e-02
## 318	2014-04-01	05:17:00.0	60	9.033042	8.870976	9.310784	2.616088e-02
## 319	2014-04-01	05:18:00.0	60	9.026493	8.882408	9.102109	3.463076e-03
## 320	2014-04-01	05:19:00.0	60	9.110877	8.972912	9.257809	9.305627e-03
## 321	2014-04-01	05:20:00.0	60	9.010755	8.981985	9.039343	3.234590e-04
## 322	2014-04-01	05:21:00.0	60	9.408459	9.023716	9.566826	3.263120e-02
## 323	2014-04-01	05:22:00.0	60	9.364847	9.132272	9.569852	2.697118e-02
## 324	2014-04-01	05:23:00.0	60	9.419003	9.157636	9.651711	3.371433e-02



## 325	2014-04-01	05:24:00.0	60	9.330831	9.043266	9.636160	4.351374e-02
## 326	2014-04-01	05:25:00.0	60	8.935037	8.872303	9.035656	2.093539e-03
## 327	2014-04-01	05:26:00.0	60	8.823288	8.775264	8.874407	5.989729e-04
## 328	2014-04-01	05:27:00.0	60	8.865204	8.777644	9.061177	6.843711e-03
## 329	2014-04-01	05:28:00.0	60	9.164729	9.064980	9.242666	2.865558e-03
## 330	2014-04-01	05:29:00.0	60	9.139895	9.102909	9.197498	9.066703e-04
## 331	2014-04-01	05:30:00.0	60	9.218482	9.128838	9.295759	2.023067e-03
## 332	2014-04-01	05:31:00.0	60	9.058990	8.958671	9.184583	3.510558e-03
## 333	2014-04-01	05:32:00.0	60	8.879547	8.815821	8.966961	3.292281e-03
## 334	2014-04-01	05:33:00.0	60	8.886704	8.822728	8.940254	1.663765e-03
## 335	2014-04-01	05:34:00.0	60	8.739577	8.671674	8.871073	3.660414e-03
## 336	2014-04-01	05:35:00.0	60	8.648355	8.604117	8.685272	5.731111e-04
## 337	2014-04-01	05:36:00.0	60	8.819749	8.664865	8.881061	2.576363e-03
## 338	2014-04-01	05:37:00.0	60	8.781391	8.707043	8.934009	2.926286e-03
## 339	2014-04-01	05:38:00.0	60	8.772898	8.652438	8.983000	1.432785e-02
## 340	2014-04-01	05:39:00.0	60	8.669518	8.602714	8.821245	1.781858e-03
## 341	2014-04-01	05:40:00.0	60	9.126923	8.843719	9.261691	1.278656e-02
## 342	2014-04-01	05:41:00.0	60	9.066176	9.003992	9.137308	1.803740e-03
## 343	2014-04-01	05:42:00.0	60	9.283453	9.146438	9.446764	1.040035e-02
## 344	2014-04-01	05:43:00.0	60	9.178891	9.001084	9.434411	1.604308e-02
## 345	2014-04-01	05:44:00.0	60	9.171669	8.980911	9.372616	1.519041e-02
## 346	2014-04-01	05:45:00.0	60	9.161179	9.065995	9.306490	7.206931e-03
## 347	2014-04-01	05:46:00.0	60	9.289828	9.119064	9.417631	1.027078e-02
## 348	2014-04-01	05:47:00.0	60	9.205473	9.076434	9.313651	5.056088e-03
## 349	2014-04-01	05:48:00.0	60	9.208395	9.086637	9.293183	4.919405e-03
## 350	2014-04-01	05:49:00.0	60	9.135820	9.051342	9.193439	2.506006e-03
## 351	2014-04-01	05:50:00.0	60	9.130138	8.892473	9.233810	6.755447e-03
## 352	2014-04-01	05:51:00.0	60	8.907026	8.776141	9.153071	1.618025e-02
## 353	2014-04-01	05:52:00.0	60	9.093707	8.802711	9.184739	1.255371e-02
## 354	2014-04-01	05:53:00.0	60	8.849731	8.687944	9.025317	9.129864e-03
## 355	2014-04-01	05:54:00.0	60	9.135598	9.021123	9.292403	6.259581e-03
## 356	2014-04-01	05:55:00.0	60	9.334444	9.198533	9.461243	5.776799e-03
## 357	2014-04-01	05:56:00.0	60	9.107902	8.963314	9.251331	9.881479e-03
## 358	2014-04-01	05:57:00.0	60	9.200293	9.029278	9.350529	1.071290e-02
## 359	2014-04-01	05:58:00.0	60	8.913967	8.786111	9.165480	1.298886e-02
## 360	2014-04-01	05:59:00.0	60	9.228750	8.893391	9.584740	5.554136e-02
## 361	2014-04-01	06:00:00.0	60	9.787088	9.585502	9.999311	2.033832e-02
## 362	2014-04-01	06:01:00.0	60	9.809184	9.671341	10.001145	9.021185e-03
## 363	2014-04-01	06:02:00.0	60	10.075387	9.938872	10.151851	3.533316e-03
## 364	2014-04-01	06:03:00.0	60	10.190538	10.149940	10.220961	5.133620e-04
## 365	2014-04-01	06:04:00.0	60	10.142723	10.095762	10.190105	8.689221e-04
## 366	2014-04-01	06:05:00.0	60	10.058006	9.853765	10.128705	4.647082e-03
## 367	2014-04-01	06:06:00.0	60	9.592014	9.521868	9.841569	7.174625e-03
## 368	2014-04-01	06:07:00.0	60	9.755063	9.624880	9.844318	4.886193e-03
## 369	2014-04-01	06:08:00.0	60	9.935884	9.772545	10.152165	1.762785e-02
## 370	2014-04-01	06:09:00.0	60	10.188582	10.148047	10.231949	7.765479e-04
## 371	2014-04-01	06:10:00.0	60	10.200840	9.948160	10.450747	2.074745e-02
## 372	2014-04-01	06:11:00.0	60	9.793530	9.602772	10.253049	3.891168e-02
## 373	2014-04-01	06:12:00.0	60	9.744230	9.585034	9.867562	6.725199e-03
## 374	2014-04-01	06:13:00.0	60	9.300154	8.954027	9.586556	5.165466e-02
## 375	2014-04-01	06:14:00.0	60	9.309729	8.899283	9.857121	1.299294e-01
## 376	2014-04-01	06:15:00.0	60	9.516046	9.025608	9.859405	4.618806e-02
## 377	2014-04-01	06:16:00.0	60	8.943742	8.796743	9.097662	1.176854e-02
## 378	2014-04-01	06:17:00.0	60	8.856531	8.770270	9.008227	2.103040e-03

## 379	2014-04-01	06:18:00.0	60	8.780629	8.720756	8.867132	2.418515e-03
## 380	2014-04-01	06:19:00.0	60	8.758951	8.654625	8.875131	4.361824e-03
## 381	2014-04-01	06:20:00.0	60	8.615666	8.517135	8.668690	2.551100e-03
## 382	2014-04-01	06:21:00.0	60	8.665526	8.497647	8.846765	1.915707e-02
## 383	2014-04-01	06:22:00.0	60	8.690058	8.612156	8.774758	1.674854e-03
## 384	2014-04-01	06:23:00.0	60	8.605085	8.484285	8.689251	4.436564e-03
## 385	2014-04-01	06:24:00.0	60	8.684779	8.479135	8.866800	2.190530e-02
## 386	2014-04-01	06:25:00.0	60	8.787345	8.738391	8.822027	8.714099e-04
## 387	2014-04-01	06:26:00.0	60	8.828545	8.763402	8.901234	2.131047e-03
## 388	2014-04-01	06:27:00.0	60	8.793669	8.731935	8.836559	1.060653e-03
## 389	2014-04-01	06:28:00.0	60	8.694616	8.651426	8.743347	9.843948e-04
## 390	2014-04-01	06:29:00.0	60	8.722043	8.620349	8.754956	7.559070e-04
## 391	2014-04-01	06:30:00.0	60	8.535981	8.459668	8.608917	1.067700e-03
## 392	2014-04-01	06:31:00.0	60	8.447749	8.415484	8.492477	6.080735e-04
## 393	2014-04-01	06:32:00.0	60	8.411301	8.308434	8.521719	4.378142e-03
## 394	2014-04-01	06:33:00.0	60	8.411180	8.331178	8.536720	4.967356e-03
## 395	2014-04-01	06:34:00.0	60	8.669220	8.541305	8.754877	3.146448e-03
## 396	2014-04-01	06:35:00.0	60	8.766525	8.540466	8.962084	1.884464e-02
## 397	2014-04-01	06:36:00.0	60	8.671725	8.536270	8.961246	1.433640e-02
## 398	2014-04-01	06:37:00.0	60	8.908450	8.712387	9.091202	1.751693e-02
## 399	2014-04-01	06:38:00.0	60	8.861075	8.695943	9.124879	2.458487e-02
## 400	2014-04-01	06:39:00.0	60	8.772513	8.588942	9.083827	2.606495e-02
## 401	2014-04-01	06:40:00.0	60	8.633480	8.460877	8.803161	1.327104e-02
## 402	2014-04-01	06:41:00.0	60	8.815198	8.770367	8.871676	7.965087e-04
## 403	2014-04-01	06:42:00.0	60	8.702362	8.497158	8.867874	9.401123e-03
## 404	2014-04-01	06:43:00.0	60	8.491033	8.451844	8.568750	1.714154e-03
## 405	2014-04-01	06:44:00.0	60	8.581974	8.433177	8.947629	2.031756e-02
## 406	2014-04-01	06:45:00.0	60	9.013931	8.686500	9.203508	2.712034e-02
## 407	2014-04-01	06:46:00.0	60	8.650771	8.577881	8.677351	3.996776e-04
## 408	2014-04-01	06:47:00.0	60	8.590617	8.499715	8.726179	5.030961e-03
## 409	2014-04-01	06:48:00.0	60	8.433440	8.342706	8.545048	4.095386e-03
## 410	2014-04-01	06:49:00.0	60	8.702429	8.542962	8.817228	7.100978e-03
## 411	2014-04-01	06:50:00.0	60	8.531324	8.303732	8.710262	1.606365e-02
## 412	2014-04-01	06:51:00.0	60	8.352943	8.248649	8.601504	1.156494e-02
## 413	2014-04-01	06:52:00.0	60	8.580439	8.461813	8.697152	5.441364e-03
## 414	2014-04-01	06:53:00.0	60	8.543947	8.399877	8.763325	8.614818e-03
## 415	2014-04-01	06:54:00.0	60	9.017356	8.766388	9.160603	1.550570e-02
## 416	2014-04-01	06:55:00.0	60	8.886798	8.692429	9.147414	2.650414e-02
## 417	2014-04-01	06:56:00.0	60	8.661851	8.516158	9.004578	2.013380e-02
## 418	2014-04-01	06:57:00.0	60	8.849631	8.496458	9.040691	2.143746e-02
## 419	2014-04-01	06:58:00.0	60	8.244605	8.164268	8.475116	7.264789e-03
## 420	2014-04-01	06:59:00.0	60	8.210523	8.151219	8.316216	2.591567e-03
## 421	2014-04-01	07:00:00.0	60	8.339073	8.297509	8.364142	3.189024e-04
## 422	2014-04-01	07:01:00.0	60	8.199210	8.149189	8.296809	1.502173e-03
## 423	2014-04-01	07:02:00.0	60	8.341184	8.233687	8.480774	3.578177e-03
## 424	2014-04-01	07:03:00.0	60	8.218245	8.033295	8.483446	2.143261e-02
## 425	2014-04-01	07:04:00.0	60	8.175252	8.032162	8.274941	8.088051e-03
## 426	2014-04-01	07:05:00.0	60	8.510251	8.272211	8.709344	1.096549e-02
## 427	2014-04-01	07:06:00.0	60	8.749078	8.666681	8.844149	2.490424e-03
## 428	2014-04-01	07:07:00.0	60	8.865116	8.787632	8.913797	1.017317e-03
## 429	2014-04-01	07:08:00.0	60	8.847486	8.779360	8.920783	1.660180e-03
## 430	2014-04-01	07:09:00.0	60	8.705779	8.561688	8.824464	5.261292e-03
## 431	2014-04-01	07:10:00.0	60	8.342943	8.186973	8.552931	1.347144e-02
## 432	2014-04-01	07:11:00.0	60	8.241299	8.185899	8.399274	3.653400e-03

## 433	2014-04-01	07:12:00.0	60	8.573112	8.406510	8.685973	6.295622e-03
## 434	2014-04-01	07:13:00.0	60	8.669784	8.623333	8.697912	6.437118e-04
## 435	2014-04-01	07:14:00.0	60	8.591346	8.568750	8.620172	2.648676e-04
## 436	2014-04-01	07:15:00.0	60	8.593068	8.515885	8.621149	6.887016e-04
## 437	2014-04-01	07:16:00.0	60	8.307662	8.156954	8.503694	1.110589e-02
## 438	2014-04-01	07:17:00.0	60	8.154614	8.122236	8.225125	5.668234e-04
## 439	2014-04-01	07:18:00.0	60	8.168148	8.112209	8.252783	2.302941e-03
## 440	2014-04-01	07:19:00.0	60	8.092366	8.037779	8.161129	1.879843e-03
## 441	2014-04-01	07:20:00.0	60	8.091018	8.014998	8.250579	3.777017e-03
## 442	2014-04-01	07:21:00.0	60	8.327214	8.260097	8.396505	1.117556e-03
## 443	2014-04-01	07:22:00.0	60	8.329582	8.269557	8.475407	3.277022e-03
## 444	2014-04-01	07:23:00.0	60	8.566057	8.411524	8.648460	4.840785e-03
## 445	2014-04-01	07:24:00.0	60	8.308708	8.187070	8.404288	3.475749e-03
## 446	2014-04-01	07:25:00.0	60	8.067757	7.952527	8.179833	5.027223e-03
## 447	2014-04-01	07:26:00.0	60	7.859741	7.820567	7.945681	1.266734e-03
## 448	2014-04-01	07:27:00.0	60	8.038235	7.844653	8.121553	6.134410e-03
## 449	2014-04-01	07:28:00.0	60	7.922732	7.861251	7.998616	1.376328e-03
## 450	2014-04-01	07:29:00.0	60	7.990887	7.882295	8.036649	2.013300e-03
## 451	2014-04-01	07:30:00.0	60	7.935889	7.849704	8.010864	2.445968e-03
## 452	2014-04-01	07:31:00.0	60	7.863487	7.809859	7.939402	1.618656e-03
## 453	2014-04-01	07:32:00.0	60	8.010824	7.905563	8.151570	6.886282e-03
## 454	2014-04-01	07:33:00.0	60	7.865912	7.811848	7.945330	1.404304e-03
## 455	2014-04-01	07:34:00.0	60	7.758313	7.724339	7.808788	6.650286e-04
## 456	2014-04-01	07:35:00.0	60	7.727966	7.693020	7.751001	3.664719e-04
## 457	2014-04-01	07:36:00.0	60	7.677286	7.630905	7.698442	4.365674e-04
## 458	2014-04-01	07:37:00.0	60	7.571686	7.545175	7.630573	7.865545e-04
## 459	2014-04-01	07:38:00.0	60	7.510114	7.487687	7.552626	5.548383e-04
## 460	2014-04-01	07:39:00.0	60	7.565944	7.497106	7.603350	9.856623e-04
## 461	2014-04-01	07:40:00.0	60	7.636181	7.580473	7.673087	8.496647e-04
## 462	2014-04-01	07:41:00.0	60	7.657064	7.638627	7.704623	2.871293e-04
## 463	2014-04-01	07:42:00.0	60	7.694265	7.641554	7.728787	1.092516e-03
## 464	2014-04-01	07:43:00.0	60	7.642104	7.616591	7.674473	4.010704e-04
## 465	2014-04-01	07:44:00.0	60	7.589189	7.550891	7.655242	8.276941e-04
## 466	2014-04-01	07:45:00.0	60	7.526809	7.502215	7.555083	1.735226e-04
## 467	2014-04-01	07:46:00.0	60	7.524451	7.502136	7.536653	7.698172e-05
## 468	2014-04-01	07:47:00.0	60	7.533289	7.515709	7.547632	9.527972e-05
## 469	2014-04-01	07:48:00.0	60	7.547335	7.515747	7.577957	1.452213e-04
## 470	2014-04-01	07:49:00.0	60	7.893661	7.581020	8.178547	3.977058e-02
## 471	2014-04-01	07:50:00.0	60	8.139201	8.083129	8.218064	1.754964e-03
## 472	2014-04-01	07:51:00.0	60	8.120275	7.871236	8.243656	1.583503e-02
## 473	2014-04-01	07:52:00.0	60	7.922723	7.859983	8.041407	3.919565e-03
## 474	2014-04-01	07:53:00.0	60	7.955520	7.721609	8.079578	1.412534e-02
## 475	2014-04-01	07:54:00.0	60	7.596750	7.566335	7.712463	1.452260e-03
## 476	2014-04-01	07:55:00.0	60	7.575676	7.565399	7.584882	3.687291e-05
## 477	2014-04-01	07:56:00.0	60	7.569716	7.558886	7.581878	3.755869e-05
## 478	2014-04-01	07:57:00.0	60	7.519161	7.433356	7.573783	1.658930e-03
## 479	2014-04-01	07:58:00.0	60	7.460665	7.399698	7.517385	1.816298e-03
## 480	2014-04-01	07:59:00.0	60	7.626367	7.519668	7.703667	3.016151e-03
## 481	2014-04-01	08:00:00.0	60	7.765380	7.674082	7.836792	2.641184e-03
## 482	2014-04-01	08:01:00.0	60	7.795058	7.676364	7.845786	2.681769e-03
## 483	2014-04-01	08:02:00.0	60	7.828515	7.776645	7.863455	7.966096e-04
## 484	2014-04-01	08:03:00.0	60	7.854151	7.801474	7.956701	2.723077e-03
## 485	2014-04-01	08:04:00.0	60	7.924602	7.773350	8.005987	3.838353e-03
## 486	2014-04-01	08:05:00.0	60	7.596671	7.514832	7.766875	7.477356e-03

## 487	2014-04-01	08:06:00.0	60	7.565178	7.440045	7.788680	1.444503e-02
## 488	2014-04-01	08:07:00.0	60	7.745176	7.557677	7.839055	5.136761e-03
## 489	2014-04-01	08:08:00.0	60	7.474397	7.454282	7.547028	4.233508e-04
## 490	2014-04-01	08:09:00.0	60	7.475846	7.450555	7.511829	4.340795e-04
## 491	2014-04-01	08:10:00.0	60	7.497161	7.481212	7.515865	6.732870e-05
## 492	2014-04-01	08:11:00.0	60	7.571605	7.519297	7.633732	1.405453e-03
## 493	2014-04-01	08:12:00.0	60	7.691116	7.620568	7.790201	2.004221e-03
## 494	2014-04-01	08:13:00.0	60	7.897815	7.793576	8.056211	8.270367e-03
## 495	2014-04-01	08:14:00.0	60	8.030074	7.975015	8.083343	1.353911e-03
## 496	2014-04-01	08:15:00.0	60	8.126006	7.997952	8.255593	5.574443e-03
## 497	2014-04-01	08:16:00.0	60	8.495950	8.266262	8.660828	1.655717e-02
## 498	2014-04-01	08:17:00.0	60	8.740219	8.640403	8.806360	2.304337e-03
## 499	2014-04-01	08:18:00.0	60	8.632849	8.499989	8.783283	8.418120e-03
## 500	2014-04-01	08:19:00.0	60	8.169135	7.778734	8.599436	9.311029e-02
## 501	2014-04-01	08:20:00.0	60	7.617274	7.491820	7.773780	1.044878e-02
## 502	2014-04-01	08:21:00.0	60	7.483938	7.430861	7.527508	8.601411e-04
## 503	2014-04-01	08:22:00.0	60	7.592448	7.522769	7.686154	2.742023e-03
## 504	2014-04-01	08:23:00.0	60	7.571861	7.533203	7.673967	1.210330e-03
## 505	2014-04-01	08:24:00.0	60	7.617624	7.540495	7.678920	2.094110e-03
## 506	2014-04-01	08:25:00.0	60	7.616791	7.499271	7.720830	6.237121e-03
## 507	2014-04-01	08:26:00.0	60	7.466469	7.418554	7.498685	4.785930e-04
## 508	2014-04-01	08:27:00.0	60	7.391849	7.376999	7.416662	1.284390e-04
## 509	2014-04-01	08:28:00.0	60	7.385185	7.351940	7.412529	3.525584e-04
## 510	2014-04-01	08:29:00.0	60	7.343537	7.325364	7.355743	5.742463e-05
## 511	2014-04-01	08:30:00.0	60	7.298489	7.235409	7.323061	8.131656e-04
## 512	2014-04-01	08:31:00.0	60	7.238287	7.196080	7.275871	5.687574e-04
## 513	2014-04-01	08:32:00.0	60	7.269462	7.250834	7.287222	1.422765e-04
## 514	2014-04-01	08:33:00.0	60	7.313563	7.250560	7.369121	1.977119e-03
## 515	2014-04-01	08:34:00.0	60	7.335622	7.319375	7.355920	1.262797e-04
## 516	2014-04-01	08:35:00.0	60	7.322132	7.309509	7.331759	3.356488e-05
## 517	2014-04-01	08:36:00.0	60	7.384477	7.298861	7.661620	1.120458e-02
## 518	2014-04-01	08:37:00.0	60	8.040755	7.671899	8.236068	3.469952e-02
## 519	2014-04-01	08:38:00.0	60	8.072283	7.852376	8.238036	1.105592e-02
## 520	2014-04-01	08:39:00.0	60	7.728987	7.544687	7.858598	1.074065e-02
## 521	2014-04-01	08:40:00.0	60	7.598179	7.534138	7.683542	2.581592e-03
## 522	2014-04-01	08:41:00.0	60	7.469980	7.424699	7.533105	1.074225e-03
## 523	2014-04-01	08:42:00.0	60	7.478773	7.392133	7.534353	1.679628e-03
## 524	2014-04-01	08:43:00.0	60	7.370426	7.355199	7.386047	6.842533e-05
## 525	2014-04-01	08:44:00.0	60	7.366017	7.341939	7.457830	7.161473e-04
## 526	2014-04-01	08:45:00.0	60	7.582340	7.462392	7.680245	3.744387e-03
## 527	2014-04-01	08:46:00.0	60	7.655493	7.594339	7.702361	1.009805e-03
## 528	2014-04-01	08:47:00.0	60	7.526082	7.419978	7.585953	2.033378e-03
## 529	2014-04-01	08:48:00.0	60	7.443355	7.403502	7.508787	1.124089e-03
## 530	2014-04-01	08:49:00.0	60	7.373173	7.336771	7.405022	2.833981e-04
## 531	2014-04-01	08:50:00.0	60	7.241542	7.200545	7.333729	1.468953e-03
## 532	2014-04-01	08:51:00.0	60	7.104013	7.024333	7.207545	3.101629e-03
## 533	2014-04-01	08:52:00.0	60	6.998384	6.975295	7.031780	2.327776e-04
## 534	2014-04-01	08:53:00.0	60	7.107866	7.034454	7.180538	2.744831e-03
## 535	2014-04-01	08:54:00.0	60	7.187116	7.164102	7.308436	9.952922e-04
## 536	2014-04-01	08:55:00.0	60	7.379439	7.322905	7.464013	1.085699e-03
## 537	2014-04-01	08:56:00.0	60	7.462314	7.407070	7.513641	1.208429e-03
## 538	2014-04-01	08:57:00.0	60	7.405369	7.324270	7.446460	7.163454e-04
## 539	2014-04-01	08:58:00.0	60	7.292665	7.245998	7.373704	7.833992e-04
## 540	2014-04-01	08:59:00.0	60	7.455893	7.377507	7.531467	2.976377e-03

## 541	2014-04-01	09:00:00.0	60	7.546412	7.492249	7.583302	5.976232e-04
## 542	2014-04-01	09:01:00.0	60	7.488718	7.421772	7.584158	3.003901e-03
## 543	2014-04-01	09:02:00.0	60	7.607336	7.484916	7.674493	4.664886e-03
## 544	2014-04-01	09:03:00.0	60	7.611736	7.575792	7.663688	1.005907e-03
## 545	2014-04-01	09:04:00.0	60	7.642716	7.601203	7.724009	1.187245e-03
## 546	2014-04-01	09:05:00.0	60	7.555324	7.355899	7.742108	1.807321e-02
## 547	2014-04-01	09:06:00.0	60	7.337606	7.291237	7.394648	1.260628e-03
## 548	2014-04-01	09:07:00.0	60	7.343099	7.239739	7.419921	3.564605e-03
## 549	2014-04-01	09:08:00.0	60	7.229323	7.146318	7.307442	1.977891e-03
## 550	2014-04-01	09:09:00.0	60	7.189630	7.141480	7.234844	7.231074e-04
## 551	2014-04-01	09:10:00.0	60	7.321665	7.178355	7.558066	1.125869e-02
## 552	2014-04-01	09:11:00.0	60	7.719558	7.571777	7.828837	4.156719e-03
## 553	2014-04-01	09:12:00.0	60	7.479818	7.282951	7.688552	2.159887e-02
## 554	2014-04-01	09:13:00.0	60	7.302331	7.167299	7.469628	8.412159e-03
## 555	2014-04-01	09:14:00.0	60	7.209048	7.129138	7.272283	2.076232e-03
## 556	2014-04-01	09:15:00.0	60	7.286676	7.170788	7.350361	2.135140e-03
## 557	2014-04-01	09:16:00.0	60	7.299866	7.191068	7.375869	3.574000e-03
## 558	2014-04-01	09:17:00.0	60	7.133269	7.108685	7.186894	6.505947e-04
## 559	2014-04-01	09:18:00.0	60	7.127535	7.063116	7.196353	1.530289e-03
## 560	2014-04-01	09:19:00.0	60	7.088361	7.037768	7.149710	1.696587e-03
## 561	2014-04-01	09:20:00.0	60	7.044103	7.002651	7.126526	1.650372e-03
## 562	2014-04-01	09:21:00.0	60	6.964746	6.942013	7.001833	4.176560e-04
## 563	2014-04-01	09:22:00.0	60	6.910175	6.889720	6.943084	2.556160e-04
## 564	2014-04-01	09:23:00.0	60	6.871968	6.859477	6.895841	8.814158e-05
## 565	2014-04-01	09:24:00.0	60	6.892882	6.880244	6.925790	9.687054e-05
## 566	2014-04-01	09:25:00.0	60	7.012272	6.928851	7.055881	1.232788e-03
## 567	2014-04-01	09:26:00.0	60	7.004876	6.953224	7.054789	9.541457e-04
## 568	2014-04-01	09:27:00.0	60	6.901547	6.835652	6.981612	1.485251e-03
## 569	2014-04-01	09:28:00.0	60	6.838494	6.805589	6.912981	7.518607e-04
## 570	2014-04-01	09:29:00.0	60	6.915741	6.886873	6.964707	6.297858e-04
## 571	2014-04-01	09:30:00.0	60	7.175977	6.972312	7.356738	2.414595e-02
## 572	2014-04-01	09:31:00.0	60	7.599880	7.322516	7.814287	2.214873e-02
## 573	2014-04-01	09:32:00.0	60	7.515002	7.394139	7.713710	6.266660e-03
## 574	2014-04-01	09:33:00.0	60	7.552990	7.491061	7.613431	1.359973e-03
## 575	2014-04-01	09:34:00.0	60	7.391043	7.319960	7.489655	2.288435e-03
## 576	2014-04-01	09:35:00.0	60	7.375318	7.176735	7.570041	1.935593e-02
## 577	2014-04-01	09:36:00.0	60	7.095203	7.013045	7.182215	1.941490e-03
## 578	2014-04-01	09:37:00.0	60	7.002204	6.958604	7.112994	1.949118e-03
## 579	2014-04-01	09:38:00.0	60	7.237142	7.118317	7.311321	3.408096e-03
## 580	2014-04-01	09:39:00.0	60	7.095893	7.022442	7.300323	8.240704e-03
## 581	2014-04-01	09:40:00.0	60	7.056973	7.032327	7.101176	4.366491e-04
## 582	2014-04-01	09:41:00.0	60	7.141233	7.108802	7.168526	1.779119e-04
## 583	2014-04-01	09:42:00.0	60	7.086394	7.020316	7.157198	2.218693e-03
## 584	2014-04-01	09:43:00.0	60	7.060491	6.978063	7.143880	3.679689e-03
## 585	2014-04-01	09:44:00.0	60	6.940676	6.914228	6.981165	2.772365e-04
## 586	2014-04-01	09:45:00.0	60	6.854220	6.811086	6.910678	1.137586e-03
## 587	2014-04-01	09:46:00.0	60	6.800366	6.763183	6.830758	2.846423e-04
## 588	2014-04-01	09:47:00.0	60	6.958322	6.813133	7.070504	8.057768e-03
## 589	2014-04-01	09:48:00.0	60	6.985712	6.893073	7.068225	2.723937e-03
## 590	2014-04-01	09:49:00.0	60	6.814652	6.755930	6.886991	7.714858e-04
## 591	2014-04-01	09:50:00.0	60	6.749959	6.715045	6.797925	5.474942e-04
## 592	2014-04-01	09:51:00.0	60	6.731203	6.700482	6.770885	3.896705e-04
## 593	2014-04-01	09:52:00.0	60	6.660509	6.594014	6.756319	2.805867e-03
## 594	2014-04-01	09:53:00.0	60	6.584849	6.570111	6.603430	9.921974e-05

## 595	2014-04-01	09:54:00.0	60	6.600841	6.589820	6.613411	3.738469e-05
## 596	2014-04-01	09:55:00.0	60	6.592390	6.571340	6.604560	8.770126e-05
## 597	2014-04-01	09:56:00.0	60	6.557623	6.543676	6.577266	1.062026e-04
## 598	2014-04-01	09:57:00.0	60	6.575398	6.537183	6.598828	2.909897e-04
## 599	2014-04-01	09:58:00.0	60	6.590674	6.541374	6.611344	4.164157e-04
## 600	2014-04-01	09:59:00.0	60	6.506874	6.493475	6.537845	1.140422e-04
## 601	2014-04-01	10:00:00.0	60	6.508654	6.474504	6.559739	8.559486e-04
## 602	2014-04-01	10:01:00.0	60	6.551966	6.536110	6.562800	3.687668e-05
## 603	2014-04-01	10:02:00.0	60	6.560945	6.530790	6.574869	1.528480e-04
## 604	2014-04-01	10:03:00.0	60	6.550212	6.538215	6.567655	8.560135e-05
## 605	2014-04-01	10:04:00.0	60	6.667847	6.543188	6.827561	8.965905e-03
## 606	2014-04-01	10:05:00.0	60	6.892695	6.806447	6.990524	4.774698e-03
## 607	2014-04-01	10:06:00.0	60	7.092270	6.990562	7.208969	4.186315e-03
## 608	2014-04-01	10:07:00.0	60	7.236355	7.156222	7.284607	1.710344e-03
## 609	2014-04-01	10:08:00.0	60	6.980550	6.832923	7.149475	7.081891e-03
## 610	2014-04-01	10:09:00.0	60	6.729070	6.692097	6.829123	1.193111e-03
## 611	2014-04-01	10:10:00.0	60	6.663557	6.630489	6.712704	4.082483e-04
## 612	2014-04-01	10:11:00.0	60	6.615242	6.600601	6.635383	1.103816e-04
## 613	2014-04-01	10:12:00.0	60	6.682664	6.623587	6.719998	8.722821e-04
## 614	2014-04-01	10:13:00.0	60	6.689262	6.661430	6.715319	2.562598e-04
## 615	2014-04-01	10:14:00.0	60	6.688567	6.659598	6.716351	2.917199e-04
## 616	2014-04-01	10:15:00.0	60	6.738958	6.663653	6.810580	1.288068e-03
## 617	2014-04-01	10:16:00.0	60	6.909488	6.812100	6.979371	3.904021e-03
## 618	2014-04-01	10:17:00.0	60	6.885151	6.685957	6.964904	6.220861e-03
## 619	2014-04-01	10:18:00.0	60	6.517968	6.436490	6.677572	4.461907e-03
## 620	2014-04-01	10:19:00.0	60	6.396989	6.376136	6.435731	1.776275e-04
## 621	2014-04-01	10:20:00.0	60	6.357067	6.326405	6.409333	6.558898e-04
## 622	2014-04-01	10:21:00.0	60	6.351782	6.317066	6.419334	1.145374e-03
## 623	2014-04-01	10:22:00.0	60	6.459655	6.416664	6.519695	8.327119e-04
## 624	2014-04-01	10:23:00.0	60	6.447209	6.428400	6.485599	1.876181e-04
## 625	2014-04-01	10:24:00.0	60	6.434078	6.427795	6.439201	7.620372e-06
## 626	2014-04-01	10:25:00.0	60	6.402296	6.389078	6.431344	8.932582e-05
## 627	2014-04-01	10:26:00.0	60	6.357061	6.323011	6.404384	6.372966e-04
## 628	2014-04-01	10:27:00.0	60	6.319121	6.298314	6.336482	1.565907e-04
## 629	2014-04-01	10:28:00.0	60	6.310817	6.283478	6.388707	8.617994e-04
## 630	2014-04-01	10:29:00.0	60	6.509491	6.380814	6.682895	1.391578e-02
## 631	2014-04-01	10:30:00.0	60	6.769042	6.633044	6.875623	5.974266e-03
## 632	2014-04-01	10:31:00.0	60	6.653438	6.581827	6.716898	1.149714e-03
## 633	2014-04-01	10:32:00.0	60	6.524701	6.467820	6.580677	1.449191e-03
## 634	2014-04-01	10:33:00.0	60	6.419058	6.358804	6.465403	9.998136e-04
## 635	2014-04-01	10:34:00.0	60	6.317869	6.255934	6.358648	9.061323e-04
## 636	2014-04-01	10:35:00.0	60	6.247686	6.218020	6.267552	1.607974e-04
## 637	2014-04-01	10:36:00.0	60	6.238746	6.223398	6.257572	9.628849e-05
## 638	2014-04-01	10:37:00.0	60	6.217763	6.201683	6.237395	1.590706e-04
## 639	2014-04-01	10:38:00.0	60	6.297269	6.235231	6.410133	2.306146e-03
## 640	2014-04-01	10:39:00.0	60	6.417347	6.349506	6.455634	7.583726e-04
## 641	2014-04-01	10:40:00.0	60	6.438214	6.347303	6.554710	3.910656e-03
## 642	2014-04-01	10:41:00.0	60	6.755516	6.556230	6.823994	6.372369e-03
## 643	2014-04-01	10:42:00.0	60	6.672254	6.610838	6.787807	2.500952e-03
## 644	2014-04-01	10:43:00.0	60	6.561863	6.354925	6.721792	1.861480e-02
## 645	2014-04-01	10:44:00.0	60	6.401975	6.351864	6.437699	6.300048e-04
## 646	2014-04-01	10:45:00.0	60	6.367467	6.335429	6.386643	3.038529e-04
## 647	2014-04-01	10:46:00.0	60	6.301776	6.274101	6.335274	3.407288e-04
## 648	2014-04-01	10:47:00.0	60	6.243163	6.223886	6.272834	1.529505e-04

## 649	2014-04-01	10:48:00.0	60	6.220198	6.196322	6.250630	3.601424e-04
## 650	2014-04-01	10:49:00.0	60	6.214420	6.188953	6.231975	1.746593e-04
## 651	2014-04-01	10:50:00.0	60	6.208400	6.188136	6.237024	1.260398e-04
## 652	2014-04-01	10:51:00.0	60	6.319607	6.235445	6.467858	3.438875e-03
## 653	2014-04-01	10:52:00.0	60	6.666408	6.476239	6.745713	4.932854e-03
## 654	2014-04-01	10:53:00.0	60	6.713210	6.643826	6.768018	1.267174e-03
## 655	2014-04-01	10:54:00.0	60	6.736462	6.687321	6.769421	5.690573e-04
## 656	2014-04-01	10:55:00.0	60	6.557802	6.497704	6.684280	2.732677e-03
## 657	2014-04-01	10:56:00.0	60	6.435303	6.298234	6.533440	6.031584e-03
## 658	2014-04-01	10:57:00.0	60	6.238746	6.193514	6.295564	8.481708e-04
## 659	2014-04-01	10:58:00.0	60	6.160071	6.114899	6.195816	8.227817e-04
## 660	2014-04-01	10:59:00.0	60	6.145161	6.117083	6.161683	8.436892e-05
## 661	2014-04-01	11:00:00.0	60	6.184682	6.160375	6.201292	9.612411e-05
## 662	2014-04-01	11:01:00.0	60	6.223034	6.188933	6.313013	1.088138e-03
## 663	2014-04-01	11:02:00.0	60	6.504423	6.317962	6.633862	1.105193e-02
## 664	2014-04-01	11:03:00.0	60	6.634492	6.558180	6.727347	2.720412e-03
## 665	2014-04-01	11:04:00.0	60	6.837647	6.736102	6.884903	1.246636e-03
## 666	2014-04-01	11:05:00.0	60	6.760745	6.712004	6.831364	1.816174e-03
## 667	2014-04-01	11:06:00.0	60	6.499304	6.405845	6.711751	9.366403e-03
## 668	2014-04-01	11:07:00.0	60	6.364372	6.313557	6.435008	1.481740e-03
## 669	2014-04-01	11:08:00.0	60	6.244251	6.190221	6.311646	1.323840e-03
## 670	2014-04-01	11:09:00.0	60	6.233324	6.189441	6.264491	6.423450e-04
## 671	2014-04-01	11:10:00.0	60	6.156963	6.121371	6.218038	5.844266e-04
## 672	2014-04-01	11:11:00.0	60	6.100373	6.089656	6.116419	5.302164e-05
## 673	2014-04-01	11:12:00.0	60	6.116807	6.085095	6.159655	4.239588e-04
## 674	2014-04-01	11:13:00.0	60	6.309655	6.168779	6.356252	1.767617e-03
## 675	2014-04-01	11:14:00.0	60	6.319805	6.292191	6.345548	2.509360e-04
## 676	2014-04-01	11:15:00.0	60	6.304537	6.245446	6.346210	1.346753e-03
## 677	2014-04-01	11:16:00.0	60	6.226718	6.204626	6.249307	1.657450e-04
## 678	2014-04-01	11:17:00.0	60	6.306738	6.229735	6.355919	1.146536e-03
## 679	2014-04-01	11:18:00.0	60	6.168080	6.103925	6.274433	2.215571e-03
## 680	2014-04-01	11:19:00.0	60	6.084693	6.066636	6.104099	1.061282e-04
## 681	2014-04-01	11:20:00.0	60	6.159227	6.097959	6.211801	1.384577e-03
## 682	2014-04-01	11:21:00.0	60	6.277955	6.210845	6.416782	4.621456e-03
## 683	2014-04-01	11:22:00.0	60	6.389146	6.361827	6.418964	3.074243e-04
## 684	2014-04-01	11:23:00.0	60	6.394746	6.366017	6.424110	3.177088e-04
## 685	2014-04-01	11:24:00.0	60	6.385030	6.357031	6.412588	2.444548e-04
## 686	2014-04-01	11:25:00.0	60	6.445778	6.387558	6.527299	1.702179e-03
## 687	2014-04-01	11:26:00.0	60	6.430107	6.361924	6.530378	2.916190e-03
## 688	2014-04-01	11:27:00.0	60	6.293206	6.246675	6.360033	1.179493e-03
## 689	2014-04-01	11:28:00.0	60	6.188375	6.142483	6.246381	1.203372e-03
## 690	2014-04-01	11:29:00.0	60	6.196222	6.159499	6.231781	6.082955e-04
## 691	2014-04-01	11:30:00.0	60	6.287595	6.224665	6.455596	3.743134e-03
## 692	2014-04-01	11:31:00.0	60	6.585503	6.467408	6.647199	1.669748e-03
## 693	2014-04-01	11:32:00.0	60	6.572980	6.521041	6.621893	1.125982e-03
## 694	2014-04-01	11:33:00.0	60	6.575582	6.532699	6.636553	8.154129e-04
## 695	2014-04-01	11:34:00.0	60	6.697254	6.640726	6.734561	8.901707e-04
## 696	2014-04-01	11:35:00.0	60	6.799533	6.727347	6.888003	2.336176e-03
## 697	2014-04-01	11:36:00.0	60	6.653848	6.573522	6.760512	3.572477e-03
## 698	2014-04-01	11:37:00.0	60	6.573950	6.506438	6.649361	2.443414e-03
## 699	2014-04-01	11:38:00.0	60	6.583587	6.487899	6.721948	5.220647e-03
## 700	2014-04-01	11:39:00.0	60	6.864596	6.734503	6.939127	3.451220e-03
## 701	2014-04-01	11:40:00.0	60	6.978720	6.925595	7.036733	6.608468e-04
## 702	2014-04-01	11:41:00.0	60	7.123467	7.045119	7.273083	4.668141e-03

## 703	2014-04-01	11:42:00.0	60	7.238396	7.125862	7.307735	2.970392e-03
## 704	2014-04-01	11:43:00.0	60	7.204401	7.124771	7.262650	1.834971e-03
## 705	2014-04-01	11:44:00.0	60	7.174901	7.132356	7.222773	6.983648e-04
## 706	2014-04-01	11:45:00.0	60	7.213919	7.167025	7.294084	1.208524e-03
## 707	2014-04-01	11:46:00.0	60	7.408128	7.296737	7.461086	2.509634e-03
## 708	2014-04-01	11:47:00.0	60	7.418057	7.383767	7.461106	3.901022e-04
## 709	2014-04-01	11:48:00.0	60	7.536393	7.466448	7.578699	8.253836e-04
## 710	2014-04-01	11:49:00.0	60	7.563486	7.522827	7.603759	4.001321e-04
## 711	2014-04-01	11:50:00.0	60	7.534841	7.503130	7.582814	5.864335e-04
## 712	2014-04-01	11:51:00.0	60	7.655525	7.532850	7.751157	3.826907e-03
## 713	2014-04-01	11:52:00.0	60	7.800906	7.750104	7.834862	8.431827e-04
## 714	2014-04-01	11:53:00.0	60	7.795544	7.767734	7.825404	2.837605e-04
## 715	2014-04-01	11:54:00.0	60	7.861177	7.824292	7.878842	1.383150e-04
## 716	2014-04-01	11:55:00.0	60	7.921422	7.870807	7.967057	8.826183e-04
## 717	2014-04-01	11:56:00.0	60	7.971719	7.924189	8.002556	3.706134e-04
## 718	2014-04-01	11:57:00.0	60	8.026785	7.974157	8.088784	7.874753e-04
## 719	2014-04-01	11:58:00.0	60	8.091418	8.060562	8.130406	3.493240e-04
## 720	2014-04-01	11:59:00.0	60	8.104593	8.067232	8.151570	5.601108e-04
## 721	2014-04-01	12:00:00.0	60	8.118307	8.045367	8.174840	2.003840e-03
## 722	2014-04-01	12:01:00.0	60	8.286183	8.182448	8.345084	2.562883e-03
## 723	2014-04-01	12:02:00.0	60	8.292182	8.254148	8.358663	1.033545e-03
## 724	2014-04-01	12:03:00.0	60	8.219038	8.165633	8.348226	2.307329e-03
## 725	2014-04-01	12:04:00.0	60	8.454778	8.355462	8.501899	1.236901e-03
## 726	2014-04-01	12:05:00.0	60	8.448422	8.376997	8.525815	2.154691e-03
## 727	2014-04-01	12:06:00.0	60	8.564993	8.446695	8.632464	3.158816e-03
## 728	2014-04-01	12:07:00.0	60	8.698363	8.608411	8.780629	2.921011e-03
## 729	2014-04-01	12:08:00.0	60	8.692175	8.589975	8.885919	5.825662e-03
## 730	2014-04-01	12:09:00.0	60	8.834735	8.713128	8.926187	3.574519e-03
## 731	2014-04-01	12:10:00.0	60	8.794397	8.701328	8.859151	2.482672e-03
## 732	2014-04-01	12:11:00.0	60	8.892105	8.847251	8.957949	1.122676e-03
## 733	2014-04-01	12:12:00.0	60	8.774410	8.744539	8.840014	4.781471e-04
## 734	2014-04-01	12:13:00.0	60	8.737676	8.717810	8.794636	3.885093e-04
## 735	2014-04-01	12:14:00.0	60	8.850374	8.795007	8.888221	3.485733e-04
## 736	2014-04-01	12:15:00.0	60	8.989400	8.888612	9.090578	2.273315e-03
## 737	2014-04-01	12:16:00.0	60	9.174316	9.093251	9.260246	1.611840e-03
## 738	2014-04-01	12:17:00.0	60	9.253697	9.210863	9.279836	2.827973e-04
## 739	2014-04-01	12:18:00.0	60	9.297496	9.179197	9.348987	2.317700e-03
## 740	2014-04-01	12:19:00.0	60	9.190182	9.161209	9.224442	2.694297e-04
## 741	2014-04-01	12:20:00.0	60	9.228472	9.168505	9.263663	7.927982e-04
## 742	2014-04-01	12:21:00.0	60	9.353358	9.265573	9.403544	1.214153e-03
## 743	2014-04-01	12:22:00.0	60	9.559461	9.405066	9.673470	6.460294e-03
## 744	2014-04-01	12:23:00.0	60	9.628620	9.564621	9.691617	1.464303e-03
## 745	2014-04-01	12:24:00.0	60	9.604520	9.544191	9.673646	1.083079e-03
## 746	2014-04-01	12:25:00.0	60	9.776596	9.656200	9.824277	1.982487e-03
## 747	2014-04-01	12:26:00.0	60	9.875205	9.794243	9.932781	1.949263e-03
## 748	2014-04-01	12:27:00.0	60	10.005162	9.879681	10.083212	3.867186e-03
## 749	2014-04-01	12:28:00.0	60	10.093520	9.977065	10.251700	7.667861e-03
## 750	2014-04-01	12:29:00.0	60	10.151894	10.071755	10.250941	2.968113e-03
## 751	2014-04-01	12:30:00.0	60	10.190117	10.163679	10.232164	3.987363e-04
## 752	2014-04-01	12:31:00.0	60	10.265575	10.225001	10.332699	9.784927e-04
## 753	2014-04-01	12:32:00.0	60	10.360886	10.257109	10.428865	1.780526e-03
## 754	2014-04-01	12:33:00.0	60	10.568872	10.430779	10.665419	7.131094e-03
## 755	2014-04-01	12:34:00.0	60	10.656029	10.601413	10.755621	2.197040e-03
## 756	2014-04-01	12:35:00.0	60	10.786977	10.756754	10.824217	2.929929e-04



## 757	2014-04-01	12:36:00.0	60	10.912160	10.799191	11.035265	4.578267e-03
## 758	2014-04-01	12:37:00.0	60	11.098063	11.033684	11.193356	2.876013e-03
## 759	2014-04-01	12:38:00.0	60	11.213984	11.172156	11.297184	1.284306e-03
## 760	2014-04-01	12:39:00.0	60	11.326860	11.298706	11.356046	4.147250e-04
## 761	2014-04-01	12:40:00.0	60	11.420495	11.346012	11.517454	1.690290e-03
## 762	2014-04-01	12:41:00.0	60	11.629490	11.520502	11.727062	2.392431e-03
## 763	2014-04-01	12:42:00.0	60	11.844824	11.727062	11.950487	4.616362e-03
## 764	2014-04-01	12:43:00.0	60	11.946150	11.917741	11.995148	4.355157e-04
## 765	2014-04-01	12:44:00.0	60	12.001484	11.975073	12.031058	2.721363e-04
## 766	2014-04-01	12:45:00.0	60	12.084176	11.986556	12.197245	3.654622e-03
## 767	2014-04-01	12:46:00.0	60	12.242373	12.203340	12.298055	8.307845e-04
## 768	2014-04-01	12:47:00.0	60	12.306289	12.244096	12.364341	1.575898e-03
## 769	2014-04-01	12:48:00.0	60	12.422431	12.365473	12.447071	4.603937e-04
## 770	2014-04-01	12:49:00.0	60	12.461038	12.431074	12.495212	4.310206e-04
## 771	2014-04-01	12:50:00.0	60	12.558219	12.490095	12.656034	2.663995e-03
## 772	2014-04-01	12:51:00.0	60	12.692921	12.656794	12.732657	4.280639e-04
## 773	2014-04-01	12:52:00.0	60	12.764492	12.734961	12.803304	3.879330e-04
## 774	2014-04-01	12:53:00.0	60	12.851935	12.803675	12.895988	6.575509e-04
## 775	2014-04-01	12:54:00.0	60	12.981298	12.896749	13.040770	1.837963e-03
## 776	2014-04-01	12:55:00.0	60	13.094601	13.028737	13.166706	2.411410e-03
## 777	2014-04-01	12:56:00.0	60	13.204642	13.169423	13.241564	4.203596e-04
## 778	2014-04-01	12:57:00.0	60	13.358534	13.246918	13.469547	4.280917e-03
## 779	2014-04-01	12:58:00.0	60	13.488560	13.441318	13.569517	1.920440e-03
## 780	2014-04-01	12:59:00.0	60	13.625981	13.571041	13.666951	6.003617e-04
## 781	2014-04-01	13:00:00.0	60	13.716938	13.643662	13.807175	3.501213e-03
## 782	2014-04-01	13:01:00.0	60	13.848557	13.783788	13.926322	2.088941e-03
## 783	2014-04-01	13:02:00.0	60	13.999939	13.936249	14.043266	9.341397e-04
## 784	2014-04-01	13:03:00.0	60	14.111845	14.027633	14.158298	1.723605e-03
## 785	2014-04-01	13:04:00.0	60	14.121066	14.098602	14.148645	1.695754e-04
## 786	2014-04-01	13:05:00.0	60	14.135743	14.106419	14.164727	4.493512e-04
## 787	2014-04-01	13:06:00.0	60	14.161110	14.123323	14.185714	2.807269e-04
## 788	2014-04-01	13:07:00.0	60	14.253749	14.176588	14.359083	3.426979e-03
## 789	2014-04-01	13:08:00.0	60	14.377262	14.342199	14.454703	7.630722e-04
## 790	2014-04-01	13:09:00.0	60	14.462414	14.428574	14.499221	3.440599e-04
## 791	2014-04-01	13:10:00.0	60	14.538125	14.498809	14.564122	3.266840e-04
## 792	2014-04-01	13:11:00.0	60	14.578118	14.537447	14.629122	9.903924e-04
## 793	2014-04-01	13:12:00.0	60	14.645205	14.603168	14.685564	4.715885e-04
## 794	2014-04-01	13:13:00.0	60	14.775973	14.679270	14.845239	2.629248e-03
## 795	2014-04-01	13:14:00.0	60	14.937455	14.841115	15.001168	2.872321e-03
## 796	2014-04-01	13:15:00.0	60	15.012090	14.972360	15.069794	8.489507e-04
## 797	2014-04-01	13:16:00.0	60	15.097937	15.067409	15.148663	4.253325e-04
## 798	2014-04-01	13:17:00.0	60	15.122118	15.083925	15.152220	4.322522e-04
## 799	2014-04-01	13:18:00.0	60	15.175139	15.088519	15.201361	1.077651e-03
## 800	2014-04-01	13:19:00.0	60	15.223575	15.184570	15.280155	1.053615e-03
## 801	2014-04-01	13:20:00.0	60	15.344895	15.263734	15.410495	1.493998e-03
## 802	2014-04-01	13:21:00.0	60	15.512340	15.416614	15.560159	1.686295e-03
## 803	2014-04-01	13:22:00.0	60	15.566415	15.536642	15.614270	4.150348e-04
## 804	2014-04-01	13:23:00.0	60	15.641903	15.609032	15.666427	2.646936e-04
## 805	2014-04-01	13:24:00.0	60	15.638985	15.587155	15.673173	6.827569e-04
## 806	2014-04-01	13:25:00.0	60	15.593528	15.559318	15.621483	2.750051e-04
## 807	2014-04-01	13:26:00.0	60	15.620052	15.591457	15.648736	2.634961e-04
## 808	2014-04-01	13:27:00.0	60	15.737590	15.618180	15.846562	4.328763e-03
## 809	2014-04-01	13:28:00.0	60	15.878142	15.849611	15.910843	2.394073e-04
## 810	2014-04-01	13:29:00.0	60	15.921164	15.877235	15.944882	2.288143e-04

## 811	2014-04-01	13:30:00.0	60	15.863069	15.824939	15.906620	6.131754e-04
## 812	2014-04-01	13:31:00.0	60	15.847154	15.777587	15.966544	4.134254e-03
## 813	2014-04-01	13:32:00.0	60	16.078459	15.971510	16.112224	1.754176e-03
## 814	2014-04-01	13:33:00.0	60	16.293118	16.112477	16.526519	1.395748e-02
## 815	2014-04-01	13:34:00.0	60	16.729774	16.542943	16.856361	8.161347e-03
## 816	2014-04-01	13:35:00.0	60	16.918995	16.797183	17.030084	6.441855e-03
## 817	2014-04-01	13:36:00.0	60	17.013507	16.905488	17.056428	1.235093e-03
## 818	2014-04-01	13:37:00.0	60	16.863346	16.806472	16.961497	1.787425e-03
## 819	2014-04-01	13:38:00.0	60	16.802498	16.762451	16.830408	4.867831e-04
## 820	2014-04-01	13:39:00.0	60	16.803888	16.773637	16.869619	6.579920e-04
## 821	2014-04-01	13:40:00.0	60	16.993412	16.849105	17.155840	1.092329e-02
## 822	2014-04-01	13:41:00.0	60	17.259498	17.172252	17.435867	4.691165e-03
## 823	2014-04-01	13:42:00.0	60	17.351695	17.203956	17.488699	1.003029e-02
## 824	2014-04-01	13:43:00.0	60	17.469727	17.269886	17.599159	1.075750e-02
## 825	2014-04-01	13:44:00.0	60	17.342304	17.189190	17.518980	1.497183e-02
## 826	2014-04-01	13:45:00.0	60	17.464078	17.218840	17.714256	2.785017e-02
## 827	2014-04-01	13:46:00.0	60	17.671287	17.600174	17.735519	1.766264e-03
## 828	2014-04-01	13:47:00.0	60	17.635129	17.536173	17.861264	1.017128e-02
## 829	2014-04-01	13:48:00.0	60	17.865940	17.778399	17.974962	2.887037e-03
## 830	2014-04-01	13:49:00.0	60	17.753276	17.698821	17.815821	8.184819e-04
## 831	2014-04-01	13:50:00.0	60	17.697129	17.630064	17.815311	3.499332e-03
## 832	2014-04-01	13:51:00.0	60	18.081145	17.680494	18.282799	2.881371e-02
## 833	2014-04-01	13:52:00.0	60	18.196278	18.120241	18.278986	2.171110e-03
## 834	2014-04-01	13:53:00.0	60	18.388931	18.078336	18.597185	2.865129e-02
## 835	2014-04-01	13:54:00.0	60	18.419053	18.247995	18.634616	1.481824e-02
## 836	2014-04-01	13:55:00.0	60	18.856965	18.655610	18.920166	2.976502e-03
## 837	2014-04-01	13:56:00.0	60	18.719183	18.583056	18.919776	6.910758e-03
## 838	2014-04-01	13:57:00.0	60	18.471256	18.288905	18.747204	2.109767e-02
## 839	2014-04-01	13:58:00.0	60	18.299832	18.205345	18.411363	3.308479e-03
## 840	2014-04-01	13:59:00.0	60	18.604785	18.225475	18.860053	3.451904e-02
## 841	2014-04-01	14:00:00.0	60	18.347831	18.118559	18.601096	2.757256e-02
## 842	2014-04-01	14:01:00.0	60	18.269688	18.209571	18.337073	1.453434e-03
## 843	2014-04-01	14:02:00.0	60	18.375215	18.227257	18.466149	6.876101e-03
## 844	2014-04-01	14:03:00.0	60	18.265276	18.204758	18.375345	3.005205e-03
## 845	2014-04-01	14:04:00.0	60	18.331069	18.248308	18.574800	7.725556e-03
## 846	2014-04-01	14:05:00.0	60	18.865241	18.577852	19.310759	3.145076e-02
## 847	2014-04-01	14:06:00.0	60	19.307243	19.194003	19.426993	5.427343e-03
## 848	2014-04-01	14:07:00.0	60	19.109047	18.846062	19.365793	1.516207e-02
## 849	2014-04-01	14:08:00.0	60	18.820068	18.618335	18.944040	1.338683e-02
## 850	2014-04-01	14:09:00.0	60	18.758884	18.590063	18.908406	1.057255e-02
## 851	2014-04-01	14:10:00.0	60	18.758256	18.611370	18.968541	8.584369e-03
## 852	2014-04-01	14:11:00.0	60	19.089656	18.987270	19.189443	2.971416e-03
## 853	2014-04-01	14:12:00.0	60	19.112578	19.069439	19.164979	8.132969e-04
## 854	2014-04-01	14:13:00.0	60	19.024587	18.869564	19.203220	1.413692e-02
## 855	2014-04-01	14:14:00.0	60	18.799881	18.732998	18.878584	2.291178e-03
## 856	2014-04-01	14:15:00.0	60	18.981378	18.880110	19.055095	2.608029e-03
## 857	2014-04-01	14:16:00.0	60	19.098261	18.973511	19.169735	2.662804e-03
## 858	2014-04-01	14:17:00.0	60	19.482494	19.178895	19.729546	2.017228e-02
## 859	2014-04-01	14:18:00.0	60	20.002633	19.734947	20.207365	2.932639e-02
## 860	2014-04-01	14:19:00.0	60	20.147464	20.086955	20.239921	1.948704e-03
## 861	2014-04-01	14:20:00.0	60	20.068854	19.978018	20.142646	1.752299e-03
## 862	2014-04-01	14:21:00.0	60	19.605272	19.450244	19.973418	3.030690e-02
## 863	2014-04-01	14:22:00.0	60	19.653103	19.528631	19.746574	2.744752e-03
## 864	2014-04-01	14:23:00.0	60	19.626569	19.505086	19.835047	1.237083e-02

## 865	2014-04-01	14:24:00.0	60	19.579805	19.532348	19.669767	1.618936e-03
## 866	2014-04-01	14:25:00.0	60	19.829576	19.551098	20.108508	3.712082e-02
## 867	2014-04-01	14:26:00.0	60	19.982463	19.871612	20.193486	1.130104e-02
## 868	2014-04-01	14:27:00.0	60	20.003090	19.930610	20.045259	1.163787e-03
## 869	2014-04-01	14:28:00.0	60	19.745536	19.617745	19.923718	9.467296e-03
## 870	2014-04-01	14:29:00.0	60	19.711166	19.609269	19.806862	6.284819e-03
## 871	2014-04-01	14:30:00.0	60	19.889375	19.779282	20.172677	1.380654e-02
## 872	2014-04-01	14:31:00.0	60	20.158888	20.018970	20.247614	2.870052e-03
## 873	2014-04-01	14:32:00.0	60	19.901689	19.805374	20.134679	6.866285e-03
## 874	2014-04-01	14:33:00.0	60	20.082244	19.962419	20.225688	9.756385e-03
## 875	2014-04-01	14:34:00.0	60	20.255968	20.005562	20.389841	1.569105e-02
## 876	2014-04-01	14:35:00.0	60	20.182030	20.090694	20.370947	6.902453e-03
## 877	2014-04-01	14:36:00.0	60	20.421474	20.178745	20.634526	1.246700e-02
## 878	2014-04-01	14:37:00.0	60	20.651832	20.516528	20.821175	7.567445e-03
## 879	2014-04-01	14:38:00.0	60	20.325654	20.067419	20.628162	3.883635e-02
## 880	2014-04-01	14:39:00.0	60	20.323941	20.088287	20.733656	3.880452e-02
## 881	2014-04-01	14:40:00.0	60	20.857883	20.605218	21.111028	2.797883e-02
## 882	2014-04-01	14:41:00.0	60	21.247917	20.574323	21.952395	2.187862e-01
## 883	2014-04-01	14:42:00.0	60	22.009468	21.780508	22.268810	2.941674e-02
## 884	2014-04-01	14:43:00.0	60	22.204948	21.836445	22.443426	3.514577e-02
## 885	2014-04-01	14:44:00.0	60	21.793198	21.465629	21.949515	1.839295e-02
## 886	2014-04-01	14:45:00.0	60	21.496579	21.324277	21.568425	3.155110e-03
## 887	2014-04-01	14:46:00.0	60	21.360756	21.220941	21.569560	1.426072e-02
## 888	2014-04-01	14:47:00.0	60	21.410498	21.258538	21.520463	6.485125e-03
## 889	2014-04-01	14:48:00.0	60	21.829504	21.350302	22.127973	5.906144e-02
## 890	2014-04-01	14:49:00.0	60	22.107232	21.924289	22.219584	8.269570e-03
## 891	2014-04-01	14:50:00.0	60	21.982911	21.804580	22.230554	1.869134e-02
## 892	2014-04-01	14:51:00.0	60	21.681185	21.514882	21.820208	1.355885e-02
## 893	2014-04-01	14:52:00.0	60	21.765752	21.593864	22.018187	1.963827e-02
## 894	2014-04-01	14:53:00.0	60	21.884590	21.778706	21.998991	4.376890e-03
## 895	2014-04-01	14:54:00.0	60	21.861356	21.644392	22.056185	1.440066e-02
## 896	2014-04-01	14:55:00.0	60	22.093046	21.905700	22.182014	5.323435e-03
## 897	2014-04-01	14:56:00.0	60	22.021610	21.884020	22.117514	5.344819e-03
## 898	2014-04-01	14:57:00.0	60	21.859237	21.497199	22.148245	5.280803e-02
## 899	2014-04-01	14:58:00.0	60	21.756764	21.646528	21.930831	6.645268e-03
## 900	2014-04-01	14:59:00.0	60	22.088241	21.659728	22.510421	7.155330e-02
## 901	2014-04-01	15:00:00.0	60	22.193093	22.084431	22.368791	9.989740e-03
## 902	2014-04-01	15:01:00.0	60	22.261571	22.190929	22.359505	3.494153e-03
## 903	2014-04-01	15:02:00.0	60	21.993997	21.808086	22.313823	2.547564e-02
## 904	2014-04-01	15:03:00.0	60	22.336549	21.946557	22.866817	6.948901e-02
## 905	2014-04-01	15:04:00.0	60	23.280512	22.894736	23.644332	4.651656e-02
## 906	2014-04-01	15:05:00.0	60	23.249906	22.801559	23.374579	1.913308e-02
## 907	2014-04-01	15:06:00.0	60	22.349743	22.119609	22.760239	2.912809e-02
## 908	2014-04-01	15:07:00.0	60	22.550049	22.275706	22.702072	1.387469e-02
## 909	2014-04-01	15:08:00.0	60	22.441978	22.196803	22.779164	3.030723e-02
## 910	2014-04-01	15:09:00.0	60	22.924718	22.746154	23.109217	1.231248e-02
## 911	2014-04-01	15:10:00.0	60	23.440514	22.833727	23.899350	1.242712e-01
## 912	2014-04-01	15:11:00.0	60	23.919290	23.530360	24.463896	1.356522e-01
## 913	2014-04-01	15:12:00.0	60	24.341175	24.088496	24.589328	2.524004e-02
## 914	2014-04-01	15:13:00.0	60	24.348719	24.077735	24.493457	1.221753e-02
## 915	2014-04-01	15:14:00.0	60	24.186576	23.479921	24.635413	1.507857e-01
## 916	2014-04-01	15:15:00.0	60	23.484732	23.280878	23.737515	1.456045e-02
## 917	2014-04-01	15:16:00.0	60	24.010733	23.699027	24.245017	4.075179e-02
## 918	2014-04-01	15:17:00.0	60	23.903007	23.590894	24.204936	4.109741e-02

## 919	2014-04-01	15:18:00.0	60	23.712145	23.379693	24.110152	7.538340e-02
## 920	2014-04-01	15:19:00.0	60	23.900829	23.504221	24.105939	2.089857e-02
## 921	2014-04-01	15:20:00.0	60	23.743098	23.376498	24.292449	8.629292e-02
## 922	2014-04-01	15:21:00.0	60	24.220494	23.749724	24.565218	6.389882e-02
## 923	2014-04-01	15:22:00.0	60	23.199741	22.907686	23.722170	5.318352e-02
## 924	2014-04-01	15:23:00.0	60	23.308313	23.143720	23.426329	6.643531e-03
## 925	2014-04-01	15:24:00.0	60	22.720799	22.410633	23.216805	6.377784e-02
## 926	2014-04-01	15:25:00.0	60	23.790775	22.752520	24.526641	3.185940e-01
## 927	2014-04-01	15:26:00.0	60	24.546065	24.226947	24.800938	2.319964e-02
## 928	2014-04-01	15:27:00.0	60	23.652444	23.323377	24.207816	4.691579e-02
## 929	2014-04-01	15:28:00.0	60	23.096308	22.953317	23.303882	9.229926e-03
## 930	2014-04-01	15:29:00.0	60	23.576790	23.287717	24.115621	5.599011e-02
## 931	2014-04-01	15:30:00.0	60	24.133884	23.986857	24.378182	1.547919e-02
## 932	2014-04-01	15:31:00.0	60	23.710957	23.471497	23.971100	2.370506e-02
## 933	2014-04-01	15:32:00.0	60	23.822338	23.710352	23.970099	5.263471e-03
## 934	2014-04-01	15:33:00.0	60	23.836001	23.660596	24.027465	1.430336e-02
## 935	2014-04-01	15:34:00.0	60	23.495805	23.273373	23.858684	3.437512e-02
## 936	2014-04-01	15:35:00.0	60	24.543798	23.892745	24.906484	9.668711e-02
## 937	2014-04-01	15:36:00.0	60	24.764229	24.382023	25.291232	6.251132e-02
## 938	2014-04-01	15:37:00.0	60	25.264166	25.133719	25.425772	6.366469e-03
## 939	2014-04-01	15:38:00.0	60	24.579165	24.111211	25.177458	1.244095e-01
## 940	2014-04-01	15:39:00.0	60	24.411644	24.105487	24.543302	1.298995e-02
## 941	2014-04-01	15:40:00.0	60	24.710283	24.472893	24.836812	7.975337e-03
## 942	2014-04-01	15:41:00.0	60	25.333355	24.809173	25.636965	5.013981e-02
## 943	2014-04-01	15:42:00.0	60	25.177596	24.955475	25.381657	1.977686e-02
## 944	2014-04-01	15:43:00.0	60	24.815750	24.569157	25.245963	3.316052e-02
## 945	2014-04-01	15:44:00.0	60	25.450446	25.281958	25.644338	9.766359e-03
## 946	2014-04-01	15:45:00.0	60	25.014430	24.720194	25.617630	5.658467e-02
## 947	2014-04-01	15:46:00.0	60	24.701614	24.444748	24.814640	1.001201e-02
## 948	2014-04-01	15:47:00.0	60	24.506030	24.240352	24.679909	2.033884e-02
## 949	2014-04-01	15:48:00.0	60	24.727334	24.382593	24.946594	2.999832e-02
## 950	2014-04-01	15:49:00.0	60	25.064083	24.791685	25.527219	2.575603e-02
## 951	2014-04-01	15:50:00.0	60	25.390978	25.168361	25.681769	2.006882e-02
## 952	2014-04-01	15:51:00.0	60	24.968694	24.707668	25.174773	1.660014e-02
## 953	2014-04-01	15:52:00.0	60	25.413883	25.030871	26.410479	1.446599e-01
## 954	2014-04-01	15:53:00.0	60	26.352965	25.855662	26.742185	5.871188e-02
## 955	2014-04-01	15:54:00.0	60	25.781699	25.588159	25.934629	9.560641e-03
## 956	2014-04-01	15:55:00.0	60	25.898279	25.655927	26.164603	1.481730e-02
## 957	2014-04-01	15:56:00.0	60	25.719230	25.484141	25.986969	2.170904e-02
## 958	2014-04-01	15:57:00.0	60	25.733563	25.502141	25.922549	2.314018e-02
## 959	2014-04-01	15:58:00.0	60	25.544576	25.368266	25.829346	1.733814e-02
## 960	2014-04-01	15:59:00.0	60	25.270496	25.056025	25.794206	4.578562e-02
## 961	2014-04-01	16:00:00.0	60	25.701391	25.496672	26.203844	5.149189e-02
## 962	2014-04-01	16:01:00.0	60	25.421648	24.987900	25.721377	4.249055e-02
## 963	2014-04-01	16:02:00.0	60	24.585446	24.353133	24.965316	2.732250e-02
## 964	2014-04-01	16:03:00.0	60	24.975700	24.545224	25.494297	1.322143e-01
## 965	2014-04-01	16:04:00.0	60	25.573797	25.233432	25.860700	2.750604e-02
## 966	2014-04-01	16:05:00.0	60	25.966948	25.662239	26.460001	5.315873e-02
## 967	2014-04-01	16:06:00.0	60	26.216590	25.389223	26.616713	1.827084e-01
## 968	2014-04-01	16:07:00.0	60	25.233857	25.035558	25.398400	1.265076e-02
## 969	2014-04-01	16:08:00.0	60	25.652379	24.999016	26.138854	1.526270e-01
## 970	2014-04-01	16:09:00.0	60	26.113126	25.723380	26.302376	3.326898e-02
## 971	2014-04-01	16:10:00.0	60	26.321907	26.161133	26.476749	7.608320e-03
## 972	2014-04-01	16:11:00.0	60	26.612140	26.228554	26.941553	4.468167e-02

## 973	2014-04-01	16:12:00.0	60	26.305708	25.977870	26.723903	4.728092e-02
## 974	2014-04-01	16:13:00.0	60	26.507950	25.948768	27.078986	1.735991e-01
## 975	2014-04-01	16:14:00.0	60	26.386691	25.952709	26.735927	5.080985e-02
## 976	2014-04-01	16:15:00.0	60	26.527079	26.252463	26.820977	2.748640e-02
## 977	2014-04-01	16:16:00.0	60	27.516134	26.838984	28.048579	1.973996e-01
## 978	2014-04-01	16:17:00.0	60	27.506217	26.849263	27.875968	8.121811e-02
## 979	2014-04-01	16:18:00.0	60	26.191486	25.932982	26.793753	3.449248e-02
## 980	2014-04-01	16:19:00.0	60	25.655822	25.258881	26.175743	6.783970e-02
## 981	2014-04-01	16:20:00.0	60	26.139711	25.802716	26.819820	9.161527e-02
## 982	2014-04-01	16:21:00.0	60	26.930826	26.710094	27.196826	2.021322e-02
## 983	2014-04-01	16:22:00.0	60	26.671854	26.462864	26.997696	2.505160e-02
## 984	2014-04-01	16:23:00.0	60	27.011283	26.780415	27.213557	1.857414e-02
## 985	2014-04-01	16:24:00.0	60	26.592062	26.103945	27.189369	1.363545e-01
## 986	2014-04-01	16:25:00.0	60	26.560944	26.268956	26.910325	2.710226e-02
## 987	2014-04-01	16:26:00.0	60	26.200766	26.017129	26.397574	8.430496e-03
## 988	2014-04-01	16:27:00.0	60	25.949722	25.755165	26.124303	9.506659e-03
## 989	2014-04-01	16:28:00.0	60	25.271495	25.037460	25.731046	3.930339e-02
## 990	2014-04-01	16:29:00.0	60	24.788445	24.576901	25.214493	3.433787e-02
## 991	2014-04-01	16:30:00.0	60	24.174583	23.672609	24.669403	1.215936e-01
## 992	2014-04-01	16:31:00.0	60	23.939152	23.676059	24.216774	4.646365e-02
## 993	2014-04-01	16:32:00.0	60	24.130812	24.039282	24.248485	4.172705e-03
## 994	2014-04-01	16:33:00.0	60	24.836066	24.150155	25.763675	2.556726e-01
## 995	2014-04-01	16:34:00.0	60	26.138538	25.787030	26.327516	3.259334e-02
## 996	2014-04-01	16:35:00.0	60	26.166002	25.971554	26.451078	1.865611e-02
## 997	2014-04-01	16:36:00.0	60	26.429876	25.505965	26.907088	2.258473e-01
## 998	2014-04-01	16:37:00.0	60	25.019304	24.625671	25.560788	8.853512e-02
## 999	2014-04-01	16:38:00.0	60	25.512875	25.310935	25.673709	1.311542e-02
## 1000	2014-04-01	16:39:00.0	60	25.323180	25.123309	25.570924	1.771498e-02
## 1001	2014-04-01	16:40:00.0	60	24.964950	24.815601	25.230374	1.978369e-02
## 1002	2014-04-01	16:41:00.0	60	24.904804	24.730310	25.031892	8.653160e-03
## 1003	2014-04-01	16:42:00.0	60	25.541111	24.741993	26.696679	5.013835e-01
## 1004	2014-04-01	16:43:00.0	60	26.547558	26.288253	26.859228	3.943175e-02
## 1005	2014-04-01	16:44:00.0	60	26.164762	25.954025	26.289392	7.754775e-03
## 1006	2014-04-01	16:45:00.0	60	25.692546	25.470926	25.936022	1.591417e-02
## 1007	2014-04-01	16:46:00.0	60	25.817032	25.509319	25.955572	1.060836e-02
## 1008	2014-04-01	16:47:00.0	60	25.699729	25.468847	25.900822	1.732778e-02
## 1009	2014-04-01	16:48:00.0	60	25.366636	25.037164	25.748379	6.204900e-02
## 1010	2014-04-01	16:49:00.0	60	25.018719	24.857121	25.097469	3.514141e-03
## 1011	2014-04-01	16:50:00.0	60	24.757379	24.699356	24.847948	1.965408e-03
## 1012	2014-04-01	16:51:00.0	60	24.884200	24.805467	24.970296	2.300087e-03
## 1013	2014-04-01	16:52:00.0	60	25.008375	24.840281	25.181950	1.109082e-02
## 1014	2014-04-01	16:53:00.0	60	25.251802	24.824266	25.858505	1.719170e-01
## 1015	2014-04-01	16:54:00.0	60	25.773209	25.453535	25.998852	2.500826e-02
## 1016	2014-04-01	16:55:00.0	60	26.973544	25.687691	27.669026	3.541382e-01
## 1017	2014-04-01	16:56:00.0	60	27.856609	27.675697	28.248656	2.011374e-02
## 1018	2014-04-01	16:57:00.0	60	27.622027	26.147776	28.618109	7.066118e-01
## 1019	2014-04-01	16:58:00.0	60	25.464848	25.008387	26.106436	1.123640e-01
## 1020	2014-04-01	16:59:00.0	60	24.973437	24.855495	25.158501	8.147937e-03
## 1021	2014-04-01	17:00:00.0	60	25.419848	25.083688	25.763184	7.660738e-02
## 1022	2014-04-01	17:01:00.0	60	25.750693	25.687691	25.850288	2.581337e-03
## 1023	2014-04-01	17:02:00.0	60	25.778734	25.628159	25.873271	5.122727e-03
## 1024	2014-04-01	17:03:00.0	60	25.997574	25.631218	26.236479	3.782326e-02
## 1025	2014-04-01	17:04:00.0	60	25.897128	25.705967	26.138224	1.951994e-02
## 1026	2014-04-01	17:05:00.0	60	26.061452	25.894489	26.509857	2.213720e-02

## 1027	2014-04-01	17:06:00.0	60	26.771202	26.556576	26.951578	1.311076e-02
## 1028	2014-04-01	17:07:00.0	60	26.365823	25.966848	26.743439	3.809109e-02
## 1029	2014-04-01	17:08:00.0	60	25.226204	24.799036	25.964082	1.475125e-01
## 1030	2014-04-01	17:09:00.0	60	25.398174	24.805172	26.045252	1.872282e-01
## 1031	2014-04-01	17:10:00.0	60	25.840329	25.573512	26.155896	4.016660e-02
## 1032	2014-04-01	17:11:00.0	60	26.356708	26.110908	26.607494	3.374640e-02
## 1033	2014-04-01	17:12:00.0	60	26.052776	25.879468	26.407908	2.057449e-02
## 1034	2014-04-01	17:13:00.0	60	26.003849	25.871171	26.364742	1.471897e-02
## 1035	2014-04-01	17:14:00.0	60	25.998808	25.682417	26.190647	2.529383e-02
## 1036	2014-04-01	17:15:00.0	60	25.594462	25.435929	25.697927	4.871825e-03
## 1037	2014-04-01	17:16:00.0	60	25.325015	25.245002	25.424811	3.508968e-03
## 1038	2014-04-01	17:17:00.0	60	25.725963	25.388637	26.076274	2.371969e-02
## 1039	2014-04-01	17:18:00.0	60	25.966627	25.803579	26.179625	1.851833e-02
## 1040	2014-04-01	17:19:00.0	60	26.375007	26.132068	26.615476	1.992767e-02
## 1041	2014-04-01	17:20:00.0	60	25.846464	25.404715	26.236009	8.226595e-02
## 1042	2014-04-01	17:21:00.0	60	25.165146	25.042537	25.378304	9.817853e-03
## 1043	2014-04-01	17:22:00.0	60	25.350496	25.203770	25.487690	9.979445e-03
## 1044	2014-04-01	17:23:00.0	60	25.501825	25.194575	25.657160	2.238559e-02
## 1045	2014-04-01	17:24:00.0	60	25.255993	25.205494	25.366619	1.031849e-03
## 1046	2014-04-01	17:25:00.0	60	25.588063	25.292466	25.719848	1.514442e-02
## 1047	2014-04-01	17:26:00.0	60	25.609081	25.502514	25.732203	3.569022e-03
## 1048	2014-04-01	17:27:00.0	60	25.309151	25.241080	25.479181	4.095564e-03
## 1049	2014-04-01	17:28:00.0	60	25.727769	25.370186	26.275428	6.806565e-02
## 1050	2014-04-01	17:29:00.0	60	26.447540	26.263779	26.774432	1.947209e-02
## 1051	2014-04-01	17:30:00.0	60	27.088103	26.799694	27.254246	1.735287e-02
## 1052	2014-04-01	17:31:00.0	60	27.217088	26.940947	27.430828	2.100532e-02
## 1053	2014-04-01	17:32:00.0	60	26.817152	26.708094	26.937887	4.562034e-03
## 1054	2014-04-01	17:33:00.0	60	26.602183	26.346089	26.793753	2.190771e-02
## 1055	2014-04-01	17:34:00.0	60	26.821387	26.654039	27.079575	2.571022e-02
## 1056	2014-04-01	17:35:00.0	60	26.911259	26.840730	27.066037	2.743385e-03
## 1057	2014-04-01	17:36:00.0	60	27.049900	26.894182	27.217422	6.719961e-03
## 1058	2014-04-01	17:37:00.0	60	26.682366	26.486009	26.991497	2.319529e-02
## 1059	2014-04-01	17:38:00.0	60	26.725876	26.226889	27.075651	6.391887e-02
## 1060	2014-04-01	17:39:00.0	60	25.802185	25.531513	26.202001	2.951748e-02
## 1061	2014-04-01	17:40:00.0	60	26.293266	25.587689	27.020685	1.992831e-01
## 1062	2014-04-01	17:41:00.0	60	26.717288	26.409438	27.097954	6.339423e-02
## 1063	2014-04-01	17:42:00.0	60	26.323120	26.205551	26.451291	6.053416e-03
## 1064	2014-04-01	17:43:00.0	60	26.489091	26.283194	26.666335	1.586087e-02
## 1065	2014-04-01	17:44:00.0	60	26.743090	26.584153	26.919409	1.399052e-02
## 1066	2014-04-01	17:45:00.0	60	27.281436	26.744735	27.462434	2.524501e-02
## 1067	2014-04-01	17:46:00.0	60	27.384475	27.277982	27.457903	3.041027e-03
## 1068	2014-04-01	17:47:00.0	60	26.858722	26.704683	27.348175	2.824295e-02
## 1069	2014-04-01	17:48:00.0	60	27.134436	26.890415	27.413623	2.521768e-02
## 1070	2014-04-01	17:49:00.0	60	27.340781	27.186034	27.452606	4.920271e-03
## 1071	2014-04-01	17:50:00.0	60	27.102201	26.889592	27.352137	2.527059e-02
## 1072	2014-04-01	17:51:00.0	60	27.140066	27.056504	27.273981	2.016814e-03
## 1073	2014-04-01	17:52:00.0	60	27.588537	27.116140	28.018912	9.268081e-02
## 1074	2014-04-01	17:53:00.0	60	27.465821	27.196196	27.938029	4.310501e-02
## 1075	2014-04-01	17:54:00.0	60	27.411213	27.146918	27.621978	1.668636e-02
## 1076	2014-04-01	17:55:00.0	60	27.363532	27.057779	27.676700	3.827384e-02
## 1077	2014-04-01	17:56:00.0	60	27.607629	27.050621	27.838530	5.149678e-02
## 1078	2014-04-01	17:57:00.0	60	27.247011	27.040675	27.523371	1.355377e-02
## 1079	2014-04-01	17:58:00.0	60	27.695270	27.435184	27.895038	1.470138e-02
## 1080	2014-04-01	17:59:00.0	60	27.593299	27.347763	28.110196	7.264143e-02

## 1081	2014-04-01	18:00:00.0	60	28.147924	27.790930	28.497647	5.982027e-02
## 1082	2014-04-01	18:01:00.0	60	28.370604	28.085785	28.509816	1.185888e-02
## 1083	2014-04-01	18:02:00.0	60	27.505713	27.076986	28.053978	9.531421e-02
## 1084	2014-04-01	18:03:00.0	60	27.647782	27.216836	28.432494	1.890323e-01
## 1085	2014-04-01	18:04:00.0	60	28.912207	28.445525	29.573035	8.515676e-02
## 1086	2014-04-01	18:05:00.0	60	28.868448	28.202444	29.630475	2.079033e-01
## 1087	2014-04-01	18:06:00.0	60	27.909130	27.268565	28.246575	9.898125e-02
## 1088	2014-04-01	18:07:00.0	60	27.787085	27.198001	28.307761	1.785197e-01
## 1089	2014-04-01	18:08:00.0	60	27.801777	27.649976	28.026936	5.304674e-03
## 1090	2014-04-01	18:09:00.0	60	27.257385	26.873351	27.634281	5.202920e-02
## 1091	2014-04-01	18:10:00.0	60	27.009397	26.878334	27.273824	1.626482e-02
## 1092	2014-04-01	18:11:00.0	60	26.862109	26.609905	27.195021	2.136535e-02
## 1093	2014-04-01	18:12:00.0	60	26.787357	26.602511	27.041007	2.238194e-02
## 1094	2014-04-01	18:13:00.0	60	27.010076	26.747069	27.225897	2.532197e-02
## 1095	2014-04-01	18:14:00.0	60	26.867592	26.703425	27.014840	1.273112e-02
## 1096	2014-04-01	18:15:00.0	60	27.006992	26.781062	27.465417	4.671869e-02
## 1097	2014-04-01	18:16:00.0	60	27.469303	27.339916	27.663808	1.008836e-02
## 1098	2014-04-01	18:17:00.0	60	27.958725	27.421196	28.231935	5.492933e-02
## 1099	2014-04-01	18:18:00.0	60	28.138003	27.989399	28.257309	5.837521e-03
## 1100	2014-04-01	18:19:00.0	60	28.585404	28.187940	28.880672	3.700308e-02
## 1101	2014-04-01	18:20:00.0	60	27.834225	27.558627	28.307370	5.687565e-02
## 1102	2014-04-01	18:21:00.0	60	28.238745	27.936596	28.767678	7.978318e-02
## 1103	2014-04-01	18:22:00.0	60	28.416633	28.151541	28.770408	5.264210e-02
## 1104	2014-04-01	18:23:00.0	60	28.544660	28.414283	28.698672	5.394080e-03
## 1105	2014-04-01	18:24:00.0	60	28.697117	28.388044	28.880672	3.315566e-02
## 1106	2014-04-01	18:25:00.0	60	28.540190	28.172654	28.867580	3.768303e-02
## 1107	2014-04-01	18:26:00.0	60	28.260734	27.945094	28.742460	7.784611e-02
## 1108	2014-04-01	18:27:00.0	60	28.930904	28.630963	29.198393	2.784003e-02
## 1109	2014-04-01	18:28:00.0	60	28.060076	27.282613	29.028565	2.912627e-01
## 1110	2014-04-01	18:29:00.0	60	27.562618	27.274256	28.057293	6.295478e-02
## 1111	2014-04-01	18:30:00.0	60	28.151902	28.074561	28.259487	2.494704e-03
## 1112	2014-04-01	18:31:00.0	60	28.023260	27.924707	28.127737	3.938279e-03
## 1113	2014-04-01	18:32:00.0	60	28.225922	27.867707	28.847815	6.726535e-02
## 1114	2014-04-01	18:33:00.0	60	28.758021	28.597679	29.032511	1.644751e-02
## 1115	2014-04-01	18:34:00.0	60	28.698057	28.535820	28.880299	8.820646e-03
## 1116	2014-04-01	18:35:00.0	60	28.523798	28.382529	28.740418	1.122438e-02
## 1117	2014-04-01	18:36:00.0	60	28.097164	27.767483	28.553265	6.603666e-02
## 1118	2014-04-01	18:37:00.0	60	28.709741	28.451629	28.997042	2.852834e-02
## 1119	2014-04-01	18:38:00.0	60	28.599379	28.362142	28.818081	1.080006e-02
## 1120	2014-04-01	18:39:00.0	60	29.236794	28.440519	29.997803	3.484901e-01
## 1121	2014-04-01	18:40:00.0	60	29.697592	29.463453	30.040430	2.046467e-02
## 1122	2014-04-01	18:41:00.0	60	29.717063	29.478099	30.043590	2.491224e-02
## 1123	2014-04-01	18:42:00.0	60	28.879325	28.254287	29.451656	1.386726e-01
## 1124	2014-04-01	18:43:00.0	60	28.425379	27.893431	28.724659	5.235328e-02
## 1125	2014-04-01	18:44:00.0	60	27.925871	27.730636	28.283094	1.436759e-02
## 1126	2014-04-01	18:45:00.0	60	28.366365	28.175599	28.574618	1.549325e-02
## 1127	2014-04-01	18:46:00.0	60	28.551844	28.177444	29.253590	8.954195e-02
## 1128	2014-04-01	18:47:00.0	60	30.009778	29.268920	30.332892	7.776029e-02
## 1129	2014-04-01	18:48:00.0	60	30.743620	30.363954	30.980266	2.744151e-02
## 1130	2014-04-01	18:49:00.0	60	30.038219	29.164455	30.913237	2.887391e-01
## 1131	2014-04-01	18:50:00.0	60	28.823286	28.651787	29.214154	2.011636e-02
## 1132	2014-04-01	18:51:00.0	60	28.187439	27.845554	28.632298	6.720817e-02
## 1133	2014-04-01	18:52:00.0	60	27.892079	27.551936	28.507342	7.443095e-02
## 1134	2014-04-01	18:53:00.0	60	27.999014	27.563022	28.558487	1.476818e-01

## 1135	2014-04-01	18:54:00.0	60	27.361006	27.100386	27.560921	2.386796e-02
## 1136	2014-04-01	18:55:00.0	60	27.782974	27.288144	28.165041	6.212532e-02
## 1137	2014-04-01	18:56:00.0	60	27.416196	26.787572	28.126620	1.949301e-01
## 1138	2014-04-01	18:57:00.0	60	27.301048	26.729533	27.685745	1.153987e-01
## 1139	2014-04-01	18:58:00.0	60	27.847871	27.435596	28.241552	5.398426e-02
## 1140	2014-04-01	18:59:00.0	60	27.571008	27.149625	27.841082	3.322836e-02
## 1141	2014-04-01	19:00:00.0	60	26.999325	26.888926	27.126772	6.060476e-03
## 1142	2014-04-01	19:01:00.0	60	26.980163	26.901635	27.129125	6.310448e-03
## 1143	2014-04-01	19:02:00.0	60	27.195364	27.118140	27.384429	2.913376e-03
## 1144	2014-04-01	19:03:00.0	60	27.840510	27.421196	28.104504	2.682251e-02
## 1145	2014-04-01	19:04:00.0	60	27.608891	27.436321	27.822696	2.125445e-02
## 1146	2014-04-01	19:05:00.0	60	27.813417	27.524449	28.023974	2.865812e-02
## 1147	2014-04-01	19:06:00.0	60	27.955884	27.516426	28.246321	5.698774e-02
## 1148	2014-04-01	19:07:00.0	60	27.269420	27.164358	27.494982	6.195091e-03
## 1149	2014-04-01	19:08:00.0	60	27.221326	27.076278	27.375110	9.212461e-03
## 1150	2014-04-01	19:09:00.0	60	27.337995	27.205242	27.733400	2.146489e-02
## 1151	2014-04-01	19:10:00.0	60	27.680789	27.374779	27.829172	1.467862e-02
## 1152	2014-04-01	19:11:00.0	60	27.102849	26.936943	27.357162	1.321697e-02
## 1153	2014-04-01	19:12:00.0	60	27.222578	26.985650	27.427277	1.226026e-02
## 1154	2014-04-01	19:13:00.0	60	27.187063	27.066431	27.393710	6.646816e-03
## 1155	2014-04-01	19:14:00.0	60	27.354565	27.266858	27.495591	4.519579e-03
## 1156	2014-04-01	19:15:00.0	60	27.893890	27.348802	28.271831	8.346778e-02
## 1157	2014-04-01	19:16:00.0	60	27.858100	27.585858	28.105602	2.550386e-02
## 1158	2014-04-01	19:17:00.0	60	27.780259	27.602398	27.961518	1.033940e-02
## 1159	2014-04-01	19:18:00.0	60	27.578018	27.297719	27.794265	2.061283e-02
## 1160	2014-04-01	19:19:00.0	60	27.858065	27.255755	28.236843	1.063051e-01
## 1161	2014-04-01	19:20:00.0	60	28.065057	27.785534	28.313962	3.124609e-02
## 1162	2014-04-01	19:21:00.0	60	28.325585	27.903713	28.534642	3.362570e-02
## 1163	2014-04-01	19:22:00.0	60	27.807540	27.599397	28.117868	3.039757e-02
## 1164	2014-04-01	19:23:00.0	60	28.139855	27.789752	28.571557	6.332398e-02
## 1165	2014-04-01	19:24:00.0	60	28.590122	28.428432	28.780435	1.848348e-02
## 1166	2014-04-01	19:25:00.0	60	28.347826	28.014162	28.541412	2.149615e-02
## 1167	2014-04-01	19:26:00.0	60	28.898406	28.511267	29.249898	1.926849e-02
## 1168	2014-04-01	19:27:00.0	60	29.107742	28.620188	29.435245	6.207643e-02
## 1169	2014-04-01	19:28:00.0	60	29.524356	28.641307	30.082053	2.737765e-01
## 1170	2014-04-01	19:29:00.0	60	29.343537	28.380196	30.037131	3.366508e-01
## 1171	2014-04-01	19:30:00.0	60	28.250163	27.957572	28.572910	3.276718e-02
## 1172	2014-04-01	19:31:00.0	60	28.527319	28.270674	28.951743	2.785687e-02
## 1173	2014-04-01	19:32:00.0	60	28.764044	28.492250	29.109886	4.984334e-02
## 1174	2014-04-01	19:33:00.0	60	28.484591	28.139020	28.996198	7.669654e-02
## 1175	2014-04-01	19:34:00.0	60	29.036775	28.477768	29.335012	5.344720e-02
## 1176	2014-04-01	19:35:00.0	60	29.650929	28.471626	30.167994	3.354395e-01
## 1177	2014-04-01	19:36:00.0	60	30.275309	30.097762	30.535165	1.318646e-02
## 1178	2014-04-01	19:37:00.0	60	30.515413	30.219968	30.833954	3.415605e-02
## 1179	2014-04-01	19:38:00.0	60	29.728431	29.110671	30.604014	2.203451e-01
## 1180	2014-04-01	19:39:00.0	60	29.850149	29.123095	30.480947	2.826920e-01
## 1181	2014-04-01	19:40:00.0	60	30.175201	29.645435	30.614204	1.362435e-01
## 1182	2014-04-01	19:41:00.0	60	30.070171	29.706531	30.390541	4.068288e-02
## 1183	2014-04-01	19:42:00.0	60	29.533311	29.110828	30.194834	7.964262e-02
## 1184	2014-04-01	19:43:00.0	60	29.907233	29.311084	30.321776	9.483951e-02
## 1185	2014-04-01	19:44:00.0	60	29.534820	29.321821	29.729499	1.566728e-02
## 1186	2014-04-01	19:45:00.0	60	29.651989	29.212996	30.011980	6.392584e-02
## 1187	2014-04-01	19:46:00.0	60	29.725384	29.253315	29.994290	4.421536e-02
## 1188	2014-04-01	19:47:00.0	60	30.218390	29.737332	30.864395	1.612794e-01



## 1189	2014-04-01	19:48:00.0	60	30.506691	30.303851	30.794756	1.590310e-02
## 1190	2014-04-01	19:49:00.0	60	30.305850	29.717858	30.491827	3.095358e-02
## 1191	2014-04-01	19:50:00.0	60	29.853541	29.447987	30.348383	6.962729e-02
## 1192	2014-04-01	19:51:00.0	60	29.230781	29.095440	29.426981	9.337452e-03
## 1193	2014-04-01	19:52:00.0	60	29.629161	29.269861	29.926751	4.154140e-02
## 1194	2014-04-01	19:53:00.0	60	29.285037	29.055318	29.745677	3.602531e-02
## 1195	2014-04-01	19:54:00.0	60	29.312612	29.035377	29.559037	3.159796e-02
## 1196	2014-04-01	19:55:00.0	60	28.811111	28.480261	29.242363	6.286252e-02
## 1197	2014-04-01	19:56:00.0	60	28.923366	28.646763	29.160194	2.900536e-02
## 1198	2014-04-01	19:57:00.0	60	28.797111	28.505009	29.091061	2.684014e-02
## 1199	2014-04-01	19:58:00.0	60	27.969751	27.823401	28.465933	2.612827e-02
## 1200	2014-04-01	19:59:00.0	60	28.347702	27.910364	28.799533	7.962824e-02
## 1201	2014-04-01	20:00:00.0	60	29.048329	28.592025	29.621582	1.426716e-01
## 1202	2014-04-01	20:01:00.0	60	29.553418	29.236885	29.793658	2.964587e-02
## 1203	2014-04-01	20:02:00.0	60	28.735072	28.420032	29.204694	5.004867e-02
## 1204	2014-04-01	20:03:00.0	60	29.413049	28.964619	29.738256	3.023815e-02
## 1205	2014-04-01	20:04:00.0	60	28.908117	28.591084	29.381477	4.160390e-02
## 1206	2014-04-01	20:05:00.0	60	29.251188	28.963577	29.494335	2.464569e-02
## 1207	2014-04-01	20:06:00.0	60	29.215909	29.004521	29.444276	1.116689e-02
## 1208	2014-04-01	20:07:00.0	60	29.022105	28.569319	29.241380	2.809153e-02
## 1209	2014-04-01	20:08:00.0	60	28.742335	28.429492	29.001438	4.571976e-02
## 1210	2014-04-01	20:09:00.0	60	28.813184	28.586237	29.016710	1.104342e-02
## 1211	2014-04-01	20:10:00.0	60	28.636072	28.204190	29.128533	1.040376e-01
## 1212	2014-04-01	20:11:00.0	60	29.451535	29.127767	29.818671	7.605813e-02
## 1213	2014-04-01	20:12:00.0	60	29.275269	28.677122	29.692885	9.700609e-02
## 1214	2014-04-01	20:13:00.0	60	28.210328	28.041241	28.636890	2.192897e-02
## 1215	2014-04-01	20:14:00.0	60	28.341376	28.041203	28.697985	3.820804e-02
## 1216	2014-04-01	20:15:00.0	60	29.028896	28.356529	29.406250	8.896821e-02
## 1217	2014-04-01	20:16:00.0	60	29.326662	29.157426	29.567166	1.191932e-02
## 1218	2014-04-01	20:17:00.0	60	29.689916	29.533438	29.918465	1.054926e-02
## 1219	2014-04-01	20:18:00.0	60	29.650529	29.409412	30.234988	6.438955e-02
## 1220	2014-04-01	20:19:00.0	60	30.108875	29.627650	30.708604	1.387479e-01
## 1221	2014-04-01	20:20:00.0	60	29.248667	28.925597	29.688449	4.000794e-02
## 1222	2014-04-01	20:21:00.0	60	29.956968	29.633324	30.160178	2.156455e-02
## 1223	2014-04-01	20:22:00.0	60	29.395094	29.263836	29.603424	8.862367e-03
## 1224	2014-04-01	20:23:00.0	60	29.796932	29.543174	30.153052	2.798846e-02
## 1225	2014-04-01	20:24:00.0	60	30.086017	29.725691	30.440613	6.810203e-02
## 1226	2014-04-01	20:25:00.0	60	30.064022	29.763325	30.271785	2.388003e-02
## 1227	2014-04-01	20:26:00.0	60	30.334952	30.029001	30.558453	2.235188e-02
## 1228	2014-04-01	20:27:00.0	60	29.877543	29.747522	30.137796	8.550903e-03
## 1229	2014-04-01	20:28:00.0	60	30.072505	29.697460	30.544277	6.638935e-02
## 1230	2014-04-01	20:29:00.0	60	30.121721	29.673254	30.629776	1.099588e-01
## 1231	2014-04-01	20:30:00.0	60	29.411748	29.248880	29.667874	1.509090e-02
## 1232	2014-04-01	20:31:00.0	60	29.395027	29.117265	29.596847	2.677705e-02
## 1233	2014-04-01	20:32:00.0	60	29.731040	29.194585	30.035363	4.977496e-02
## 1234	2014-04-01	20:33:00.0	60	29.239849	29.093359	29.387503	6.015793e-03
## 1235	2014-04-01	20:34:00.0	60	29.144110	28.977436	29.301055	7.451228e-03
## 1236	2014-04-01	20:35:00.0	60	29.166084	28.837589	29.733447	6.079621e-02
## 1237	2014-04-01	20:36:00.0	60	29.592515	29.409744	29.798115	1.263828e-02
## 1238	2014-04-01	20:37:00.0	60	29.437614	29.325179	29.593530	8.933925e-03
## 1239	2014-04-01	20:38:00.0	60	30.083911	29.476941	30.746761	1.917263e-01
## 1240	2014-04-01	20:39:00.0	60	30.418005	30.166149	30.691556	3.110282e-02
## 1241	2014-04-01	20:40:00.0	60	30.715384	30.279246	30.877436	2.518995e-02
## 1242	2014-04-01	20:41:00.0	60	29.822047	29.286804	30.383965	1.009339e-01

## 1243	2014-04-01	20:42:00.0	60	28.791224	28.534091	29.235452	2.362279e-02
## 1244	2014-04-01	20:43:00.0	60	28.911391	28.755747	29.155031	1.213596e-02
## 1245	2014-04-01	20:44:00.0	60	28.774154	28.650040	28.951035	6.073566e-03
## 1246	2014-04-01	20:45:00.0	60	29.081122	28.833704	29.540956	4.129472e-02
## 1247	2014-04-01	20:46:00.0	60	29.699532	29.400206	30.005796	3.784757e-02
## 1248	2014-04-01	20:47:00.0	60	29.350723	29.086842	29.541957	1.824196e-02
## 1249	2014-04-01	20:48:00.0	60	29.324574	29.132791	29.543509	1.675365e-02
## 1250	2014-04-01	20:49:00.0	60	29.401879	29.294636	29.526253	4.353723e-03
## 1251	2014-04-01	20:50:00.0	60	29.363539	29.194819	29.562845	1.228380e-02
## 1252	2014-04-01	20:51:00.0	60	29.679706	29.371348	29.957418	3.621067e-02
## 1253	2014-04-01	20:52:00.0	60	29.593317	28.971997	29.994133	1.125091e-01
## 1254	2014-04-01	20:53:00.0	60	29.217335	29.100699	29.310575	2.663144e-03
## 1255	2014-04-01	20:54:00.0	60	29.061396	28.760102	29.596041	5.708460e-02
## 1256	2014-04-01	20:55:00.0	60	29.385419	29.169263	29.676180	1.957419e-02
## 1257	2014-04-01	20:56:00.0	60	29.298313	28.885459	29.752391	9.219924e-02
## 1258	2014-04-01	20:57:00.0	60	28.743549	28.508875	28.929780	1.459858e-02
## 1259	2014-04-01	20:58:00.0	60	29.082272	28.739142	29.391900	2.848405e-02
## 1260	2014-04-01	20:59:00.0	60	29.725519	29.382517	29.875685	2.178267e-02
## 1261	2014-04-01	21:00:00.0	60	29.238394	28.927130	29.516810	2.642301e-02
## 1262	2014-04-01	21:01:00.0	60	29.187098	28.907776	29.814762	5.590992e-02
## 1263	2014-04-01	21:02:00.0	60	29.771224	29.268626	30.203414	9.475480e-02
## 1264	2014-04-01	21:03:00.0	60	28.879225	28.484971	29.257517	5.507787e-02
## 1265	2014-04-01	21:04:00.0	60	28.467042	28.242789	28.679165	2.424408e-02
## 1266	2014-04-01	21:05:00.0	60	28.529234	28.445839	28.624193	1.596045e-03
## 1267	2014-04-01	21:06:00.0	60	28.569377	28.194005	28.831898	4.324004e-02
## 1268	2014-04-01	21:07:00.0	60	28.607817	28.287688	28.823064	2.720706e-02
## 1269	2014-04-01	21:08:00.0	60	28.813826	28.377860	29.219691	7.150948e-02
## 1270	2014-04-01	21:09:00.0	60	28.876362	28.318163	29.333247	1.401199e-01
## 1271	2014-04-01	21:10:00.0	60	29.424836	29.137286	29.730894	2.881362e-02
## 1272	2014-04-01	21:11:00.0	60	29.257034	28.908757	29.675019	8.646947e-02
## 1273	2014-04-01	21:12:00.0	60	29.087158	28.924715	29.210071	1.143704e-02
## 1274	2014-04-01	21:13:00.0	60	28.940958	28.756884	29.339626	2.014958e-02
## 1275	2014-04-01	21:14:00.0	60	29.252167	29.116187	29.489366	1.394122e-02
## 1276	2014-04-01	21:15:00.0	60	29.879985	29.184044	30.212075	9.742754e-02
## 1277	2014-04-01	21:16:00.0	60	29.659863	29.439858	29.952567	1.930438e-02
## 1278	2014-04-01	21:17:00.0	60	29.458725	29.148966	29.839502	4.644308e-02
## 1279	2014-04-01	21:18:00.0	60	29.128388	28.677575	29.570856	6.389528e-02
## 1280	2014-04-01	21:19:00.0	60	29.129363	28.673747	29.457270	7.319571e-02
## 1281	2014-04-01	21:20:00.0	60	29.613329	29.428825	29.733189	5.295314e-03
## 1282	2014-04-01	21:21:00.0	60	29.322332	29.160372	29.493763	9.569147e-03
## 1283	2014-04-01	21:22:00.0	60	29.340320	29.145120	29.560823	1.329782e-02
## 1284	2014-04-01	21:23:00.0	60	28.883170	28.613183	29.304588	3.372572e-02
## 1285	2014-04-01	21:24:00.0	60	29.487683	29.104447	29.794307	3.279328e-02
## 1286	2014-04-01	21:25:00.0	60	28.824260	28.508461	29.139329	4.900051e-02
## 1287	2014-04-01	21:26:00.0	60	28.760989	28.467250	28.955609	1.786551e-02
## 1288	2014-04-01	21:27:00.0	60	28.690142	28.516743	28.922790	9.332105e-03
## 1289	2014-04-01	21:28:00.0	60	28.691457	28.497647	29.075949	2.050630e-02
## 1290	2014-04-01	21:29:00.0	60	29.728993	29.108139	30.354079	1.593470e-01
## 1291	2014-04-01	21:30:00.0	60	29.906255	29.519185	30.234931	6.237365e-02
## 1292	2014-04-01	21:31:00.0	60	29.779068	29.515830	30.047479	3.044726e-02
## 1293	2014-04-01	21:32:00.0	60	29.650276	29.392629	29.847628	2.080683e-02
## 1294	2014-04-01	21:33:00.0	60	29.882900	29.626747	30.354138	6.882421e-02
## 1295	2014-04-01	21:34:00.0	60	29.944539	29.704958	30.219222	2.485525e-02
## 1296	2014-04-01	21:35:00.0	60	29.546299	28.835706	30.100156	2.071183e-01

## 1297	2014-04-01	21:36:00.0	60	28.967258	28.680930	29.255767	2.864959e-02
## 1298	2014-04-01	21:37:00.0	60	29.065828	28.833154	29.308277	2.021528e-02
## 1299	2014-04-01	21:38:00.0	60	29.149357	28.890368	29.275632	5.868561e-03
## 1300	2014-04-01	21:39:00.0	60	29.364593	29.066643	29.508919	1.657827e-02
## 1301	2014-04-01	21:40:00.0	60	28.911054	28.790918	29.055928	5.955204e-03
## 1302	2014-04-01	21:41:00.0	60	29.195131	28.971565	29.303762	9.392400e-03
## 1303	2014-04-01	21:42:00.0	60	29.063934	28.788914	29.285625	3.113214e-02
## 1304	2014-04-01	21:43:00.0	60	28.875924	28.349561	29.204753	6.719575e-02
## 1305	2014-04-01	21:44:00.0	60	28.170190	28.082310	28.328858	3.022104e-03
## 1306	2014-04-01	21:45:00.0	60	28.278936	28.077542	28.379548	5.072043e-03
## 1307	2014-04-01	21:46:00.0	60	28.019920	27.870611	28.302542	1.295206e-02
## 1308	2014-04-01	21:47:00.0	60	28.898806	28.321694	29.323529	8.884711e-02
## 1309	2014-04-01	21:48:00.0	60	28.946917	28.836393	29.180411	6.281576e-03
## 1310	2014-04-01	21:49:00.0	60	28.716245	28.606569	28.984186	5.455373e-03
## 1311	2014-04-01	21:50:00.0	60	29.444125	29.007564	29.760401	4.790742e-02
## 1312	2014-04-01	21:51:00.0	60	29.032536	28.941202	29.233548	4.334052e-03
## 1313	2014-04-01	21:52:00.0	60	28.862076	28.733549	29.067665	9.219913e-03
## 1314	2014-04-01	21:53:00.0	60	28.941049	28.792565	29.236062	1.820141e-02
## 1315	2014-04-01	21:54:00.0	60	29.038650	28.687114	29.247171	3.379793e-02
## 1316	2014-04-01	21:55:00.0	60	28.778042	28.401015	29.043700	3.818785e-02
## 1317	2014-04-01	21:56:00.0	60	28.340542	28.198146	28.501513	5.114733e-03
## 1318	2014-04-01	21:57:00.0	60	28.922692	28.520275	29.119583	2.542770e-02
## 1319	2014-04-01	21:58:00.0	60	28.706941	28.610533	28.908404	4.965521e-03
## 1320	2014-04-01	21:59:00.0	60	28.837418	28.697612	28.918198	4.289192e-03
## 1321	2014-04-01	22:00:00.0	60	28.554897	28.388849	28.809191	1.588283e-02
## 1322	2014-04-01	22:01:00.0	60	28.327465	28.102423	28.614320	2.267037e-02
## 1323	2014-04-01	22:02:00.0	60	28.519389	28.384610	28.625350	3.569464e-03
## 1324	2014-04-01	22:03:00.0	60	28.814094	28.262216	29.377139	1.478992e-01
## 1325	2014-04-01	22:04:00.0	60	29.136791	28.859690	29.316325	1.924693e-02
## 1326	2014-04-01	22:05:00.0	60	28.868482	28.708133	29.094987	8.681408e-03
## 1327	2014-04-01	22:06:00.0	60	28.923755	28.468956	29.196684	5.588617e-02
## 1328	2014-04-01	22:07:00.0	60	28.669999	28.490053	28.975550	1.934816e-02
## 1329	2014-04-01	22:08:00.0	60	28.831779	28.319302	29.054554	4.971826e-02
## 1330	2014-04-01	22:09:00.0	60	28.054584	27.884620	28.318929	1.638017e-02
## 1331	2014-04-01	22:10:00.0	60	28.224097	28.153228	28.292886	1.147648e-03
## 1332	2014-04-01	22:11:00.0	60	28.175151	27.841179	28.356861	2.114100e-02
## 1333	2014-04-01	22:12:00.0	60	27.620978	27.450644	27.822794	9.258264e-03
## 1334	2014-04-01	22:13:00.0	60	27.813106	27.464121	28.288629	5.208107e-02
## 1335	2014-04-01	22:14:00.0	60	28.348473	28.055822	28.593458	2.495108e-02
## 1336	2014-04-01	22:15:00.0	60	28.018777	27.974644	28.072460	8.245539e-04
## 1337	2014-04-01	22:16:00.0	60	28.125622	27.981787	28.258801	6.753889e-03
## 1338	2014-04-01	22:17:00.0	60	28.095963	27.999918	28.203208	2.923963e-03
## 1339	2014-04-01	22:18:00.0	60	27.808985	27.606184	28.035452	1.851066e-02
## 1340	2014-04-01	22:19:00.0	60	28.033614	27.605813	28.321792	6.055344e-02
## 1341	2014-04-01	22:20:00.0	60	28.236361	28.040516	28.481732	1.965623e-02
## 1342	2014-04-01	22:21:00.0	60	28.209955	28.034765	28.376191	1.126852e-02
## 1343	2014-04-01	22:22:00.0	60	27.956509	27.589430	28.168928	3.459166e-02
## 1344	2014-04-01	22:23:00.0	60	27.505561	27.408346	27.741347	7.184516e-03
## 1345	2014-04-01	22:24:00.0	60	28.030238	27.742388	28.282703	4.180450e-02
## 1346	2014-04-01	22:25:00.0	60	28.074588	27.966265	28.265905	9.857477e-03
## 1347	2014-04-01	22:26:00.0	60	27.903580	27.696438	28.072107	1.231472e-02
## 1348	2014-04-01	22:27:00.0	60	27.773579	27.690296	27.890918	3.440672e-03
## 1349	2014-04-01	22:28:00.0	60	27.763254	27.708406	27.842612	1.533516e-03
## 1350	2014-04-01	22:29:00.0	60	27.649015	27.474873	27.827837	1.449522e-02

## 1351	2014-04-01	22:30:00.0	60	27.607469	27.355100	27.766483	1.618530e-02
## 1352	2014-04-01	22:31:00.0	60	27.228363	27.065410	27.345153	8.548370e-03
## 1353	2014-04-01	22:32:00.0	60	27.198570	27.063489	27.289203	4.696383e-03
## 1354	2014-04-01	22:33:00.0	60	27.088633	27.055974	27.210420	1.178785e-03
## 1355	2014-04-01	22:34:00.0	60	27.072946	26.986298	27.264053	4.428543e-03
## 1356	2014-04-01	22:35:00.0	60	27.175563	26.920507	27.297542	1.208544e-02
## 1357	2014-04-01	22:36:00.0	60	27.064163	26.874372	27.309234	2.240924e-02
## 1358	2014-04-01	22:37:00.0	60	26.992070	26.937846	27.092444	1.904320e-03
## 1359	2014-04-01	22:38:00.0	60	26.793113	26.711763	26.953833	6.728780e-03
## 1360	2014-04-01	22:39:00.0	60	26.801134	26.720825	26.870937	2.701904e-03
## 1361	2014-04-01	22:40:00.0	60	26.633407	26.522783	26.739303	3.390995e-03
## 1362	2014-04-01	22:41:00.0	60	26.506559	26.495695	26.520369	3.998402e-05
## 1363	2014-04-01	22:42:00.0	60	26.508878	26.493873	26.549674	2.286896e-04
## 1364	2014-04-01	22:43:00.0	60	26.745147	26.550830	26.919566	1.125507e-02
## 1365	2014-04-01	22:44:00.0	60	26.948624	26.908461	26.988103	5.625866e-04
## 1366	2014-04-01	22:45:00.0	60	27.017823	26.900203	27.118984	6.041267e-03
## 1367	2014-04-01	22:46:00.0	60	27.039273	26.999362	27.088147	4.955281e-04
## 1368	2014-04-01	22:47:00.0	60	27.008652	26.958816	27.056465	7.901966e-04
## 1369	2014-04-01	22:48:00.0	60	26.987145	26.911600	27.115708	4.747691e-03
## 1370	2014-04-01	22:49:00.0	60	26.835427	26.666826	27.031376	1.039440e-02
## 1371	2014-04-01	22:50:00.0	60	26.610154	26.571502	26.677966	1.340373e-03
## 1372	2014-04-01	22:51:00.0	60	26.517496	26.499109	26.564990	2.212071e-04
## 1373	2014-04-01	22:52:00.0	60	26.506881	26.459962	26.539414	5.057307e-04
## 1374	2014-04-01	22:53:00.0	60	26.416642	26.358035	26.455019	6.009718e-04
## 1375	2014-04-01	22:54:00.0	60	26.313988	26.283960	26.354976	3.841794e-04
## 1376	2014-04-01	22:55:00.0	60	26.277665	26.210355	26.358624	2.799744e-03
## 1377	2014-04-01	22:56:00.0	60	26.380242	26.352464	26.409340	3.387719e-04
## 1378	2014-04-01	22:57:00.0	60	26.287284	26.228811	26.350482	2.117847e-03
## 1379	2014-04-01	22:58:00.0	60	26.259416	26.240302	26.269269	6.683347e-05
## 1380	2014-04-01	22:59:00.0	60	26.197119	26.169093	26.243461	2.829513e-04
## 1381	2014-04-01	23:00:00.0	60	25.776632	25.304053	26.164209	8.194453e-02
## 1382	2014-04-01	23:01:00.0	60	25.307615	25.247019	25.357835	1.534992e-03
## 1383	2014-04-01	23:02:00.0	60	25.089805	24.837714	25.335151	2.598558e-02
## 1384	2014-04-01	23:03:00.0	60	24.597371	24.478931	24.828148	1.057775e-02
## 1385	2014-04-01	23:04:00.0	60	24.679085	24.567137	24.757517	2.594787e-03
## 1386	2014-04-01	23:05:00.0	60	24.468403	24.302368	24.601776	1.053505e-02
## 1387	2014-04-01	23:06:00.0	60	24.537272	24.241978	24.647312	9.854570e-03
## 1388	2014-04-01	23:07:00.0	60	23.945805	23.731928	24.220537	1.094852e-02
## 1389	2014-04-01	23:08:00.0	60	23.720803	23.636082	23.836362	4.101269e-03
## 1390	2014-04-01	23:09:00.0	60	23.780451	23.675196	23.878851	2.516425e-03
## 1391	2014-04-01	23:10:00.0	60	23.548840	23.300119	23.845966	2.973917e-02
## 1392	2014-04-01	23:11:00.0	60	23.348348	23.163803	23.438380	9.237531e-03
## 1393	2014-04-01	23:12:00.0	60	23.032707	22.812862	23.377597	3.483243e-02
## 1394	2014-04-01	23:13:00.0	60	22.452217	22.120921	22.831218	5.048102e-02
## 1395	2014-04-01	23:14:00.0	60	21.947953	21.757065	22.114418	1.717733e-02
## 1396	2014-04-01	23:15:00.0	60	21.703922	21.423956	21.836112	1.715474e-02
## 1397	2014-04-01	23:16:00.0	60	21.249095	21.135172	21.417454	1.008061e-02
## 1398	2014-04-01	23:17:00.0	60	21.237312	21.138383	21.324570	3.938978e-03
## 1399	2014-04-01	23:18:00.0	60	20.959584	20.789632	21.143983	1.178680e-02
## 1400	2014-04-01	23:19:00.0	60	20.575963	20.417190	20.783132	1.562442e-02
## 1401	2014-04-01	23:20:00.0	60	20.394893	20.217193	20.506485	9.472143e-03
## 1402	2014-04-01	23:21:00.0	60	20.187508	20.124716	20.233168	1.569311e-03
## 1403	2014-04-01	23:22:00.0	60	20.067377	20.000648	20.125596	1.607705e-03
## 1404	2014-04-01	23:23:00.0	60	20.286579	20.115300	20.351194	3.205581e-03

## 1405	2014-04-01	23:24:00.0	60	20.099609	19.987063	20.256169	7.543809e-03
## 1406	2014-04-01	23:25:00.0	60	20.029815	19.930766	20.190687	7.213742e-03
## 1407	2014-04-01	23:26:00.0	60	20.180862	20.052561	20.276509	3.980305e-03
## 1408	2014-04-01	23:27:00.0	60	19.924039	19.852429	20.074701	2.575336e-03
## 1409	2014-04-01	23:28:00.0	60	19.789179	19.660842	19.908450	3.307242e-03
## 1410	2014-04-01	23:29:00.0	60	19.417387	19.198015	19.644793	1.512619e-02
## 1411	2014-04-01	23:30:00.0	60	19.304276	19.157974	19.434568	1.052313e-02
## 1412	2014-04-01	23:31:00.0	60	19.218745	19.020027	19.412060	1.570789e-02
## 1413	2014-04-01	23:32:00.0	60	18.895690	18.806964	19.017739	2.984433e-03
## 1414	2014-04-01	23:33:00.0	60	18.851793	18.766576	19.009108	7.407651e-03
## 1415	2014-04-01	23:34:00.0	60	18.923025	18.803950	19.025057	4.686541e-03
## 1416	2014-04-01	23:35:00.0	60	18.673210	18.590101	18.797846	4.349940e-03
## 1417	2014-04-01	23:36:00.0	60	18.546132	18.494362	18.623872	1.893964e-03
## 1418	2014-04-01	23:37:00.0	60	18.557758	18.511542	18.588378	6.052337e-04
## 1419	2014-04-01	23:38:00.0	60	18.445330	18.369493	18.510816	1.297250e-03
## 1420	2014-04-01	23:39:00.0	60	18.485176	18.359653	18.590119	6.214005e-03
## 1421	2014-04-01	23:40:00.0	60	18.349163	18.289510	18.408214	1.893711e-03
## 1422	2014-04-01	23:41:00.0	60	18.253858	18.140940	18.322225	2.613640e-03
## 1423	2014-04-01	23:42:00.0	60	18.060725	18.009804	18.134072	1.636175e-03
## 1424	2014-04-01	23:43:00.0	60	17.982727	17.951898	18.023441	7.771432e-04
## 1425	2014-04-01	23:44:00.0	60	17.912503	17.840997	17.958608	8.925858e-04
## 1426	2014-04-01	23:45:00.0	60	17.828890	17.795301	17.874977	4.884662e-04
## 1427	2014-04-01	23:46:00.0	60	17.814373	17.776189	17.869187	7.687768e-04
## 1428	2014-04-01	23:47:00.0	60	17.809805	17.687732	17.942626	8.691314e-03
## 1429	2014-04-01	23:48:00.0	60	17.771109	17.716897	17.801150	4.159381e-04
## 1430	2014-04-01	23:49:00.0	60	17.660491	17.566708	17.772002	2.443741e-03
## 1431	2014-04-01	23:50:00.0	60	17.543504	17.508378	17.605768	1.199727e-03
## 1432	2014-04-01	23:51:00.0	60	17.517687	17.424894	17.625077	4.236147e-03
## 1433	2014-04-01	23:52:00.0	60	17.399309	17.275970	17.632899	1.346519e-02
## 1434	2014-04-01	23:53:00.0	60	17.450235	17.281192	17.541631	5.037518e-03
## 1435	2014-04-01	23:54:00.0	60	17.181849	17.073091	17.272040	2.523807e-03
## 1436	2014-04-01	23:55:00.0	60	17.098035	17.034662	17.262864	5.681851e-03
## 1437	2014-04-01	23:56:00.0	60	17.262530	17.223162	17.308674	9.102567e-04
## 1438	2014-04-01	23:57:00.0	60	17.104734	16.874958	17.289329	1.892671e-02
## 1439	2014-04-01	23:58:00.0	60	17.066412	16.834730	17.256373	2.497486e-02
## 1440	2014-04-01	23:59:00.0	60	17.214180	16.943935	17.351703	1.493903e-02
## 1441	2014-04-02	00:00:00.0	60	16.956202	16.876466	17.191087	6.896325e-03
## 1442	2014-04-02	00:00:00.0	60	16.956202	16.876466	17.191087	6.896325e-03
## 1443	2014-04-02	00:01:00.0	60	17.079655	16.900402	17.258288	1.926753e-02
## 1444	2014-04-02	00:02:00.0	60	16.918362	16.892384	16.949136	2.751491e-04
## 1445	2014-04-02	00:03:00.0	60	16.945750	16.832072	16.994452	1.747792e-03
## 1446	2014-04-02	00:04:00.0	60	16.679479	16.532384	16.824815	5.676780e-03
## 1447	2014-04-02	00:05:00.0	60	16.332791	16.233115	16.520163	7.517499e-03
## 1448	2014-04-02	00:06:00.0	60	16.190019	16.132323	16.256365	2.167897e-03
## 1449	2014-04-02	00:07:00.0	60	16.172748	16.123935	16.188712	3.949916e-04
## 1450	2014-04-02	00:08:00.0	60	16.194780	16.156528	16.268467	8.697859e-04
## 1451	2014-04-02	00:09:00.0	60	16.141276	16.027624	16.227387	5.374326e-03
## 1452	2014-04-02	00:10:00.0	60	16.211781	16.046567	16.279046	6.141290e-03
## 1453	2014-04-02	00:11:00.0	60	16.347606	16.224942	16.437957	4.069714e-03
## 1454	2014-04-02	00:12:00.0	60	16.291675	16.199114	16.389873	3.324460e-03
## 1455	2014-04-02	00:13:00.0	60	16.309296	16.243402	16.383382	2.245018e-03
## 1456	2014-04-02	00:14:00.0	60	16.122312	16.035640	16.246452	4.560208e-03
## 1457	2014-04-02	00:15:00.0	60	16.314197	16.151954	16.481484	1.180836e-02
## 1458	2014-04-02	00:16:00.0	60	16.129575	15.991491	16.212587	4.577228e-03

## 1459	2014-04-02	00:17:00.0	60	16.136028	15.945215	16.372804	2.630564e-02
## 1460	2014-04-02	00:18:00.0	60	16.138678	16.023790	16.359449	1.142315e-02
## 1461	2014-04-02	00:19:00.0	60	16.183564	16.057146	16.252318	2.716216e-03
## 1462	2014-04-02	00:20:00.0	60	16.162851	16.089328	16.233858	2.277989e-03
## 1463	2014-04-02	00:21:00.0	60	16.046194	15.843551	16.233097	1.358120e-02
## 1464	2014-04-02	00:22:00.0	60	16.011784	15.846464	16.089211	5.492971e-03
## 1465	2014-04-02	00:23:00.0	60	15.860709	15.790999	16.007543	2.609772e-03
## 1466	2014-04-02	00:24:00.0	60	16.013176	15.836786	16.217474	1.834646e-02
## 1467	2014-04-02	00:25:00.0	60	15.730454	15.651667	15.857901	3.337057e-03
## 1468	2014-04-02	00:26:00.0	60	15.719689	15.602424	15.892739	1.058355e-02
## 1469	2014-04-02	00:27:00.0	60	15.740325	15.585026	15.876103	6.941324e-03
## 1470	2014-04-02	00:28:00.0	60	15.645175	15.558672	15.735888	3.018804e-03
## 1471	2014-04-02	00:29:00.0	60	15.513845	15.472309	15.551811	3.643321e-04
## 1472	2014-04-02	00:30:00.0	60	15.651087	15.522957	15.819876	8.312370e-03
## 1473	2014-04-02	00:31:00.0	60	15.634086	15.396734	15.820775	1.881922e-02
## 1474	2014-04-02	00:32:00.0	60	15.548946	15.383247	15.681206	9.507931e-03
## 1475	2014-04-02	00:33:00.0	60	15.437488	15.344856	15.626899	5.738349e-03
## 1476	2014-04-02	00:34:00.0	60	15.551674	15.494808	15.662224	3.708926e-03
## 1477	2014-04-02	00:35:00.0	60	15.748165	15.546591	16.080920	2.528423e-02
## 1478	2014-04-02	00:36:00.0	60	16.498264	16.100005	16.762451	4.138186e-02
## 1479	2014-04-02	00:37:00.0	60	16.887444	16.762705	16.949021	3.918329e-03
## 1480	2014-04-02	00:38:00.0	60	16.620639	16.357417	16.898738	3.680170e-02
## 1481	2014-04-02	00:39:00.0	60	16.205346	16.046980	16.357417	9.647970e-03
## 1482	2014-04-02	00:40:00.0	60	16.164506	16.115273	16.283231	2.112647e-03
## 1483	2014-04-02	00:41:00.0	60	15.912784	15.681206	16.129020	1.686567e-02
## 1484	2014-04-02	00:42:00.0	60	16.038311	15.604730	16.728483	2.026741e-01
## 1485	2014-04-02	00:43:00.0	60	16.585593	16.452348	16.745144	8.781029e-03
## 1486	2014-04-02	00:44:00.0	60	16.259531	16.104871	16.444703	9.413715e-03
## 1487	2014-04-02	00:45:00.0	60	16.034168	15.919230	16.254350	9.594771e-03
## 1488	2014-04-02	00:46:00.0	60	16.464048	16.263502	16.599183	8.679837e-03
## 1489	2014-04-02	00:47:00.0	60	16.444483	16.254743	16.603250	1.689567e-02
## 1490	2014-04-02	00:48:00.0	60	16.291678	16.220250	16.368229	1.259839e-03
## 1491	2014-04-02	00:49:00.0	60	16.343139	16.220895	16.468500	6.710587e-03
## 1492	2014-04-02	00:50:00.0	60	16.266673	16.157761	16.354482	4.163158e-03
## 1493	2014-04-02	00:51:00.0	60	15.971232	15.783629	16.257400	3.931183e-02
## 1494	2014-04-02	00:52:00.0	60	15.862413	15.702907	15.981325	9.527993e-03
## 1495	2014-04-02	00:53:00.0	60	15.775729	15.664259	15.935380	5.821558e-03
## 1496	2014-04-02	00:54:00.0	60	15.749877	15.554352	15.963768	2.582325e-02
## 1497	2014-04-02	00:55:00.0	60	15.860546	15.598378	15.943416	9.917530e-03
## 1498	2014-04-02	00:56:00.0	60	15.662574	15.487869	15.901538	1.748151e-02
## 1499	2014-04-02	00:57:00.0	60	15.371950	15.092936	15.573705	1.576579e-02
## 1500	2014-04-02	00:58:00.0	60	15.166751	15.065239	15.332012	8.131067e-03
## 1501	2014-04-02	00:59:00.0	60	14.930304	14.816627	15.166605	9.530813e-03
## 1502	2014-04-02	01:00:00.0	60	14.716826	14.665022	14.805955	1.422089e-03
## 1503	2014-04-02	01:01:00.0	60	14.773933	14.699010	14.892068	5.585389e-03
## 1504	2014-04-02	01:02:00.0	60	14.882882	14.807986	14.920624	1.431338e-03
## 1505	2014-04-02	01:03:00.0	60	15.006116	14.820047	15.107869	8.521021e-03
## 1506	2014-04-02	01:04:00.0	60	15.164029	14.924787	15.378204	2.024617e-02
## 1507	2014-04-02	01:05:00.0	60	14.860161	14.771049	14.965459	4.462777e-03
## 1508	2014-04-02	01:06:00.0	60	14.863561	14.720174	14.928128	3.945546e-03
## 1509	2014-04-02	01:07:00.0	60	14.746817	14.626250	14.953713	8.560531e-03
## 1510	2014-04-02	01:08:00.0	60	15.021342	14.933426	15.102102	2.854009e-03
## 1511	2014-04-02	01:09:00.0	60	15.029249	14.969837	15.068915	5.709897e-04
## 1512	2014-04-02	01:10:00.0	60	14.863953	14.792175	14.961452	2.274383e-03

## 1513	2014-04-02	01:11:00.0	60	14.829814	14.744664	14.874223	1.281545e-03
## 1514	2014-04-02	01:12:00.0	60	15.047886	14.740091	15.238675	3.081136e-02
## 1515	2014-04-02	01:13:00.0	60	15.414715	15.166077	15.652684	3.437189e-02
## 1516	2014-04-02	01:14:00.0	60	15.227870	15.098331	15.442536	6.235994e-03
## 1517	2014-04-02	01:15:00.0	60	15.305745	15.102161	15.670378	4.069434e-02
## 1518	2014-04-02	01:16:00.0	60	15.611705	15.492287	15.784372	1.071953e-02
## 1519	2014-04-02	01:17:00.0	60	15.907583	15.704470	16.236265	2.783330e-02
## 1520	2014-04-02	01:18:00.0	60	15.212032	14.995560	15.676223	3.898724e-02
## 1521	2014-04-02	01:19:00.0	60	15.183915	14.994915	15.342939	1.055582e-02
## 1522	2014-04-02	01:20:00.0	60	15.205259	14.954476	15.386178	2.301081e-02
## 1523	2014-04-02	01:21:00.0	60	15.376312	15.175049	15.688051	3.083126e-02
## 1524	2014-04-02	01:22:00.0	60	15.333474	15.119969	15.688812	2.331592e-02
## 1525	2014-04-02	01:23:00.0	60	15.292207	15.036177	15.511229	1.901635e-02
## 1526	2014-04-02	01:24:00.0	60	15.322144	14.950761	15.687423	6.832814e-02
## 1527	2014-04-02	01:25:00.0	60	15.360259	15.251890	15.626372	1.030751e-02
## 1528	2014-04-02	01:26:00.0	60	15.368621	14.962705	15.636908	5.027122e-02
## 1529	2014-04-02	01:27:00.0	60	15.152527	14.917261	15.362076	2.103960e-02
## 1530	2014-04-02	01:28:00.0	60	15.158100	15.032715	15.293465	6.196744e-03
## 1531	2014-04-02	01:29:00.0	60	15.203081	15.083182	15.308927	2.496655e-03
## 1532	2014-04-02	01:30:00.0	60	15.018305	14.893984	15.159647	5.942775e-03
## 1533	2014-04-02	01:31:00.0	60	15.138979	14.957056	15.285099	5.517517e-03
## 1534	2014-04-02	01:32:00.0	60	14.769572	14.691369	14.932624	2.821377e-03
## 1535	2014-04-02	01:33:00.0	60	14.656179	14.564650	14.730943	2.607112e-03
## 1536	2014-04-02	01:34:00.0	60	14.498874	14.350446	14.666157	1.227719e-02
## 1537	2014-04-02	01:35:00.0	60	14.655401	14.372295	14.804646	1.697404e-02
## 1538	2014-04-02	01:36:00.0	60	14.878438	14.593572	15.080134	1.548796e-02
## 1539	2014-04-02	01:37:00.0	60	15.298489	15.085762	15.409440	9.426123e-03
## 1540	2014-04-02	01:38:00.0	60	14.986389	14.841309	15.335063	1.954904e-02
## 1541	2014-04-02	01:39:00.0	60	15.717637	15.357190	15.923141	2.167825e-02
## 1542	2014-04-02	01:40:00.0	60	15.410342	15.009202	15.711099	6.489318e-02
## 1543	2014-04-02	01:41:00.0	60	14.909678	14.761668	14.990516	2.336909e-03
## 1544	2014-04-02	01:42:00.0	60	15.249643	14.652399	15.682203	1.457179e-01
## 1545	2014-04-02	01:43:00.0	60	14.978603	14.791609	15.243345	1.965401e-02
## 1546	2014-04-02	01:44:00.0	60	14.957587	14.634204	15.269402	5.455657e-02
## 1547	2014-04-02	01:45:00.0	60	14.768301	14.613624	14.912140	1.279734e-02
## 1548	2014-04-02	01:46:00.0	60	14.618837	14.374951	14.862828	1.502133e-02
## 1549	2014-04-02	01:47:00.0	60	14.811803	14.368015	15.150285	6.074637e-02
## 1550	2014-04-02	01:48:00.0	60	14.902828	14.494921	15.677337	8.771687e-02
## 1551	2014-04-02	01:49:00.0	60	16.203770	15.727325	16.285010	1.594011e-02
## 1552	2014-04-02	01:50:00.0	60	15.630938	15.171299	16.203942	8.240302e-02
## 1553	2014-04-02	01:51:00.0	60	14.948697	14.828372	15.150695	6.813162e-03
## 1554	2014-04-02	01:52:00.0	60	14.817458	14.597266	14.991377	1.985225e-02
## 1555	2014-04-02	01:53:00.0	60	14.905959	14.639655	15.094949	1.837797e-02
## 1556	2014-04-02	01:54:00.0	60	14.723712	14.592517	14.931784	1.237324e-02
## 1557	2014-04-02	01:55:00.0	60	15.046775	14.800286	15.241470	1.506714e-02
## 1558	2014-04-02	01:56:00.0	60	15.029692	14.804861	15.261779	1.620075e-02
## 1559	2014-04-02	01:57:00.0	60	15.364820	15.218914	15.562621	9.876957e-03
## 1560	2014-04-02	01:58:00.0	60	15.333393	15.029687	15.630438	4.053861e-02
## 1561	2014-04-02	01:59:00.0	60	16.318929	15.626372	16.779386	1.732134e-01
## 1562	2014-04-02	02:00:00.0	60	16.706926	16.519146	16.793487	4.581595e-03
## 1563	2014-04-02	02:01:00.0	60	16.817121	16.668918	16.963512	6.372855e-03
## 1564	2014-04-02	02:02:00.0	60	16.996428	16.968108	17.029576	3.188804e-04
## 1565	2014-04-02	02:03:00.0	60	17.163421	17.038748	17.235249	2.676505e-03
## 1566	2014-04-02	02:04:00.0	60	17.444767	17.212346	17.563244	1.024467e-02

## 1567	2014-04-02	02:05:00.0	60	17.482286	17.393345	17.684580	7.165341e-03
## 1568	2014-04-02	02:06:00.0	60	17.756431	17.676522	17.810088	1.639181e-03
## 1569	2014-04-02	02:07:00.0	60	17.697554	17.581083	17.803085	4.995764e-03
## 1570	2014-04-02	02:08:00.0	60	17.468102	17.417500	17.568877	1.319343e-03
## 1571	2014-04-02	02:09:00.0	60	17.465289	17.380496	17.510939	1.241023e-03
## 1572	2014-04-02	02:10:00.0	60	17.181071	17.074247	17.372084	1.035190e-02
## 1573	2014-04-02	02:11:00.0	60	17.069950	17.006146	17.139647	1.649769e-03
## 1574	2014-04-02	02:12:00.0	60	17.292861	17.142971	17.402636	6.243718e-03
## 1575	2014-04-02	02:13:00.0	60	16.755000	16.497616	17.138260	3.428533e-02
## 1576	2014-04-02	02:14:00.0	60	16.472766	16.382992	16.619031	4.151379e-03
## 1577	2014-04-02	02:15:00.0	60	16.768369	16.613049	16.940375	1.145031e-02
## 1578	2014-04-02	02:16:00.0	60	16.562386	16.454245	16.744519	4.395230e-03
## 1579	2014-04-02	02:17:00.0	60	16.283911	16.202320	16.443942	4.468164e-03
## 1580	2014-04-02	02:18:00.0	60	16.257554	16.190980	16.323686	1.659824e-03
## 1581	2014-04-02	02:19:00.0	60	16.366790	16.273062	16.522060	7.553172e-03
## 1582	2014-04-02	02:20:00.0	60	16.458972	16.121511	16.589640	2.100244e-02
## 1583	2014-04-02	02:21:00.0	60	15.999176	15.892564	16.129489	4.555571e-03
## 1584	2014-04-02	02:22:00.0	60	15.794724	15.698743	16.024318	6.518734e-03
## 1585	2014-04-02	02:23:00.0	60	15.704612	15.568115	15.840207	8.814711e-03
## 1586	2014-04-02	02:24:00.0	60	16.052480	15.850511	16.308688	1.838343e-02
## 1587	2014-04-02	02:25:00.0	60	16.288686	16.212858	16.339369	1.047702e-03
## 1588	2014-04-02	02:26:00.0	60	16.230820	16.143156	16.339094	3.800290e-03
## 1589	2014-04-02	02:27:00.0	60	16.440266	16.350533	16.531348	2.025292e-03
## 1590	2014-04-02	02:28:00.0	60	16.410406	16.277383	16.529198	7.933697e-03
## 1591	2014-04-02	02:29:00.0	60	16.451785	16.343162	16.559488	6.288685e-03
## 1592	2014-04-02	02:30:00.0	60	16.541571	16.506671	16.562910	2.584782e-04
## 1593	2014-04-02	02:31:00.0	60	16.456984	16.105107	16.556807	1.495398e-02
## 1594	2014-04-02	02:32:00.0	60	16.221680	16.043382	16.330824	1.012356e-02
## 1595	2014-04-02	02:33:00.0	60	15.860977	15.482219	16.173540	4.667409e-02
## 1596	2014-04-02	02:34:00.0	60	15.377649	15.285333	15.468104	9.276843e-04
## 1597	2014-04-02	02:35:00.0	60	15.390114	15.182126	15.549543	1.824751e-02
## 1598	2014-04-02	02:36:00.0	60	15.745958	15.574351	15.856766	4.463300e-03
## 1599	2014-04-02	02:37:00.0	60	15.621150	15.492932	15.835907	9.708662e-03
## 1600	2014-04-02	02:38:00.0	60	15.377304	15.206324	15.500926	5.485979e-03
## 1601	2014-04-02	02:39:00.0	60	15.142634	15.018448	15.208730	2.558973e-03
## 1602	2014-04-02	02:40:00.0	60	14.979399	14.919510	15.034358	9.153100e-04
## 1603	2014-04-02	02:41:00.0	60	14.855998	14.394141	15.055329	4.272709e-02
## 1604	2014-04-02	02:42:00.0	60	14.228114	14.159062	14.375832	2.057425e-03
## 1605	2014-04-02	02:43:00.0	60	14.078841	13.893262	14.283127	1.930276e-02
## 1606	2014-04-02	02:44:00.0	60	14.026090	13.871926	14.226261	1.434661e-02
## 1607	2014-04-02	02:45:00.0	60	14.324434	14.095693	14.588552	2.244539e-02
## 1608	2014-04-02	02:46:00.0	60	14.790460	14.586577	14.938332	1.240279e-02
## 1609	2014-04-02	02:47:00.0	60	14.273490	14.145149	14.569788	1.432807e-02
## 1610	2014-04-02	02:48:00.0	60	14.353528	14.255416	14.426074	1.934568e-03
## 1611	2014-04-02	02:49:00.0	60	13.937489	13.562347	14.398070	6.047276e-02
## 1612	2014-04-02	02:50:00.0	60	13.472797	13.410938	13.552814	1.485105e-03
## 1613	2014-04-02	02:51:00.0	60	13.532124	13.469880	13.587589	1.520775e-03
## 1614	2014-04-02	02:52:00.0	60	13.315860	13.200699	13.566744	1.066135e-02
## 1615	2014-04-02	02:53:00.0	60	13.256210	13.205991	13.289953	5.492118e-04
## 1616	2014-04-02	02:54:00.0	60	13.279506	13.188255	13.367159	3.952544e-03
## 1617	2014-04-02	02:55:00.0	60	13.263545	13.141156	13.426743	1.160300e-02
## 1618	2014-04-02	02:56:00.0	60	13.359215	13.253110	13.441103	3.221825e-03
## 1619	2014-04-02	02:57:00.0	60	13.155445	13.122851	13.248519	1.140923e-03
## 1620	2014-04-02	02:58:00.0	60	12.999637	12.905832	13.151607	5.766634e-03



## 1621	2014-04-02	02:59:00.0	60	12.894642	12.833755	12.982520	3.342378e-03
## 1622	2014-04-02	03:00:00.0	60	12.937242	12.833383	13.012171	3.322105e-03
## 1623	2014-04-02	03:01:00.0	60	12.950907	12.783519	13.046160	6.244154e-03
## 1624	2014-04-02	03:02:00.0	60	12.711141	12.651735	12.829751	1.973221e-03
## 1625	2014-04-02	03:03:00.0	60	12.807932	12.752344	12.862352	1.554904e-03
## 1626	2014-04-02	03:04:00.0	60	12.867362	12.768069	12.900402	8.777760e-04
## 1627	2014-04-02	03:05:00.0	60	12.989427	12.863778	13.079388	5.276140e-03
## 1628	2014-04-02	03:06:00.0	60	12.936964	12.924702	12.947398	3.351880e-05
## 1629	2014-04-02	03:07:00.0	60	12.899133	12.852155	12.941441	9.077720e-04
## 1630	2014-04-02	03:08:00.0	60	13.169905	12.933276	13.254633	1.200103e-02
## 1631	2014-04-02	03:09:00.0	60	13.083618	12.918529	13.245825	1.300688e-02
## 1632	2014-04-02	03:10:00.0	60	13.021837	12.930385	13.132130	4.644772e-03
## 1633	2014-04-02	03:11:00.0	60	13.149481	13.123243	13.169500	9.875781e-05
## 1634	2014-04-02	03:12:00.0	60	13.085638	13.027331	13.118790	3.115175e-04
## 1635	2014-04-02	03:13:00.0	60	12.975143	12.883994	13.073666	3.840803e-03
## 1636	2014-04-02	03:14:00.0	60	12.967769	12.666540	13.124649	2.252658e-02
## 1637	2014-04-02	03:15:00.0	60	12.572950	12.542303	12.658161	6.308648e-04
## 1638	2014-04-02	03:16:00.0	60	12.636093	12.559782	12.718182	3.143917e-03
## 1639	2014-04-02	03:17:00.0	60	12.541896	12.448788	12.630036	2.644372e-03
## 1640	2014-04-02	03:18:00.0	60	12.428192	12.377112	12.447831	3.465020e-04
## 1641	2014-04-02	03:19:00.0	60	12.253303	12.161822	12.374340	4.310033e-03
## 1642	2014-04-02	03:20:00.0	60	12.224575	12.155182	12.271106	2.013419e-03
## 1643	2014-04-02	03:21:00.0	60	12.238257	12.210077	12.262766	2.456545e-04
## 1644	2014-04-02	03:22:00.0	60	12.298830	12.266964	12.375686	9.287648e-04
## 1645	2014-04-02	03:23:00.0	60	12.351331	12.290146	12.409338	1.533456e-03
## 1646	2014-04-02	03:24:00.0	60	12.214059	12.177679	12.288466	9.783387e-04
## 1647	2014-04-02	03:25:00.0	60	12.170768	12.143502	12.208124	3.072341e-04
## 1648	2014-04-02	03:26:00.0	60	12.354284	12.207753	12.597593	1.066704e-02
## 1649	2014-04-02	03:27:00.0	60	12.851262	12.612457	12.993655	1.193372e-02
## 1650	2014-04-02	03:28:00.0	60	12.891910	12.858699	12.937749	5.188289e-04
## 1651	2014-04-02	03:29:00.0	60	12.884694	12.768086	12.979707	6.243196e-03
## 1652	2014-04-02	03:30:00.0	60	12.680934	12.575562	12.779768	4.123246e-03
## 1653	2014-04-02	03:31:00.0	60	12.540493	12.422716	12.651874	6.302467e-03
## 1654	2014-04-02	03:32:00.0	60	12.546167	12.420294	12.655212	5.736164e-03
## 1655	2014-04-02	03:33:00.0	60	12.482535	12.344283	12.613161	5.346051e-03
## 1656	2014-04-02	03:34:00.0	60	12.274806	12.242905	12.336647	5.782221e-04
## 1657	2014-04-02	03:35:00.0	60	12.381831	12.300907	12.485505	3.285476e-03
## 1658	2014-04-02	03:36:00.0	60	12.216249	12.178186	12.299814	1.366565e-03
## 1659	2014-04-02	03:37:00.0	60	12.145895	12.088688	12.191486	1.377700e-03
## 1660	2014-04-02	03:38:00.0	60	12.135586	12.109426	12.170335	2.839122e-04
## 1661	2014-04-02	03:39:00.0	60	12.193046	12.159067	12.262864	8.092730e-04
## 1662	2014-04-02	03:40:00.0	60	12.216836	12.134052	12.274270	1.283923e-03
## 1663	2014-04-02	03:41:00.0	60	12.031509	11.958319	12.130243	2.647458e-03
## 1664	2014-04-02	03:42:00.0	60	12.153604	11.941935	12.337663	2.222158e-02
## 1665	2014-04-02	03:43:00.0	60	12.130461	12.017390	12.261927	5.022630e-03
## 1666	2014-04-02	03:44:00.0	60	11.929696	11.863083	12.013953	1.738216e-03
## 1667	2014-04-02	03:45:00.0	60	11.838052	11.813369	11.862205	1.062218e-04
## 1668	2014-04-02	03:46:00.0	60	11.819247	11.786931	11.855216	4.877833e-04
## 1669	2014-04-02	03:47:00.0	60	11.805192	11.788256	11.821979	5.747586e-05
## 1670	2014-04-02	03:48:00.0	60	11.899957	11.785193	11.967321	3.444326e-03
## 1671	2014-04-02	03:49:00.0	60	11.926730	11.863611	12.011823	2.312384e-03
## 1672	2014-04-02	03:50:00.0	60	11.991667	11.893605	12.072498	3.196477e-03
## 1673	2014-04-02	03:51:00.0	60	12.019213	11.923950	12.103236	1.932631e-03
## 1674	2014-04-02	03:52:00.0	60	12.165635	12.074548	12.339224	9.587509e-03

## 1675	2014-04-02	03:53:00.0	60	12.272494	12.213358	12.327293	1.251572e-03
## 1676	2014-04-02	03:54:00.0	60	12.206428	12.166703	12.259155	9.790313e-04
## 1677	2014-04-02	03:55:00.0	60	12.178024	12.123683	12.253334	2.076623e-03
## 1678	2014-04-02	03:56:00.0	60	12.146470	12.089292	12.194220	1.047941e-03
## 1679	2014-04-02	03:57:00.0	60	12.049946	11.998194	12.170980	2.081638e-03
## 1680	2014-04-02	03:58:00.0	60	11.928668	11.802922	12.029889	3.872526e-03
## 1681	2014-04-02	03:59:00.0	60	11.728330	11.649075	11.796830	1.214449e-03
## 1682	2014-04-02	04:00:00.0	60	11.631827	11.596239	11.656320	4.638691e-04
## 1683	2014-04-02	04:01:00.0	60	11.672451	11.618615	11.747701	1.472100e-03
## 1684	2014-04-02	04:02:00.0	60	11.775985	11.724114	11.849201	1.777502e-03
## 1685	2014-04-02	04:03:00.0	60	11.740777	11.727472	11.763108	7.475311e-05
## 1686	2014-04-02	04:04:00.0	60	11.926441	11.763497	12.091557	1.621629e-02
## 1687	2014-04-02	04:05:00.0	60	12.016759	11.911414	12.082028	2.392053e-03
## 1688	2014-04-02	04:06:00.0	60	11.756990	11.689494	11.907234	4.664484e-03
## 1689	2014-04-02	04:07:00.0	60	11.781300	11.734052	11.808624	3.455333e-04
## 1690	2014-04-02	04:08:00.0	60	11.635792	11.544536	11.757777	4.100793e-03
## 1691	2014-04-02	04:09:00.0	60	11.474779	11.442344	11.539323	9.104989e-04
## 1692	2014-04-02	04:10:00.0	60	11.404578	11.377015	11.454507	5.892367e-04
## 1693	2014-04-02	04:11:00.0	60	11.369277	11.337030	11.401439	3.697544e-04
## 1694	2014-04-02	04:12:00.0	60	11.622224	11.377504	11.905693	1.956515e-02
## 1695	2014-04-02	04:13:00.0	60	11.913849	11.834574	11.973627	2.247872e-03
## 1696	2014-04-02	04:14:00.0	60	11.782060	11.703455	11.935355	4.735694e-03
## 1697	2014-04-02	04:15:00.0	60	11.777299	11.653157	11.830845	2.756350e-03
## 1698	2014-04-02	04:16:00.0	60	11.549264	11.491781	11.645912	1.979264e-03
## 1699	2014-04-02	04:17:00.0	60	11.531403	11.481022	11.585480	1.401693e-03
## 1700	2014-04-02	04:18:00.0	60	11.506571	11.464523	11.564042	1.076510e-03
## 1701	2014-04-02	04:19:00.0	60	11.650854	11.494847	11.980950	2.865812e-02
## 1702	2014-04-02	04:20:00.0	60	11.903090	11.786012	11.987687	5.589908e-03
## 1703	2014-04-02	04:21:00.0	60	11.900762	11.778357	12.062715	1.375610e-02
## 1704	2014-04-02	04:22:00.0	60	11.927309	11.759046	12.105189	1.679023e-02
## 1705	2014-04-02	04:23:00.0	60	11.953325	11.777558	12.105852	1.062593e-02
## 1706	2014-04-02	04:24:00.0	60	11.767206	11.713979	11.871169	2.604207e-03
## 1707	2014-04-02	04:25:00.0	60	11.703973	11.582317	11.842736	5.543453e-03
## 1708	2014-04-02	04:26:00.0	60	11.615901	11.587336	11.653858	2.733756e-04
## 1709	2014-04-02	04:27:00.0	60	11.534390	11.405306	11.652707	7.453051e-03
## 1710	2014-04-02	04:28:00.0	60	11.491062	11.415186	11.628885	4.000830e-03
## 1711	2014-04-02	04:29:00.0	60	11.650497	11.551527	11.702244	1.691504e-03
## 1712	2014-04-02	04:30:00.0	60	11.582409	11.489554	11.833658	8.300820e-03
## 1713	2014-04-02	04:31:00.0	60	11.685460	11.495021	11.874176	1.423911e-02
## 1714	2014-04-02	04:32:00.0	60	11.384837	11.324399	11.484730	1.796360e-03
## 1715	2014-04-02	04:33:00.0	60	11.406049	11.274281	11.514703	5.621196e-03
## 1716	2014-04-02	04:34:00.0	60	11.225905	11.206049	11.274593	2.825060e-04
## 1717	2014-04-02	04:35:00.0	60	11.360819	11.220143	11.429965	4.788859e-03
## 1718	2014-04-02	04:36:00.0	60	11.281783	11.237442	11.356515	1.260089e-03
## 1719	2014-04-02	04:37:00.0	60	11.192006	11.170554	11.250833	5.433907e-04
## 1720	2014-04-02	04:38:00.0	60	11.113185	11.075188	11.183011	1.118368e-03
## 1721	2014-04-02	04:39:00.0	60	11.020377	10.996962	11.071380	4.186256e-04
## 1722	2014-04-02	04:40:00.0	60	11.043883	10.967465	11.142421	4.093452e-03
## 1723	2014-04-02	04:41:00.0	60	11.234355	11.145469	11.331096	2.941276e-03
## 1724	2014-04-02	04:42:00.0	60	11.459903	11.329064	11.586965	6.412548e-03
## 1725	2014-04-02	04:43:00.0	60	11.521196	11.480398	11.594051	1.554362e-03
## 1726	2014-04-02	04:44:00.0	60	11.592666	11.525715	11.674655	2.621268e-03
## 1727	2014-04-02	04:45:00.0	60	11.578006	11.439884	11.657472	4.143055e-03
## 1728	2014-04-02	04:46:00.0	60	11.361261	11.306086	11.429965	9.337294e-04

## 1729	2014-04-02	04:47:00.0	60	11.396885	11.376311	11.430160	2.555965e-04
## 1730	2014-04-02	04:48:00.0	60	11.361843	11.300306	11.398882	7.811308e-04
## 1731	2014-04-02	04:49:00.0	60	11.243749	11.163233	11.304855	2.782008e-03
## 1732	2014-04-02	04:50:00.0	60	11.158106	11.085456	11.200698	1.324198e-03
## 1733	2014-04-02	04:51:00.0	60	11.055486	11.025542	11.083151	2.748438e-04
## 1734	2014-04-02	04:52:00.0	60	10.983608	10.923501	11.029231	1.379075e-03
## 1735	2014-04-02	04:53:00.0	60	10.933402	10.909369	10.978767	4.912147e-04
## 1736	2014-04-02	04:54:00.0	60	11.076492	10.981812	11.120712	1.977934e-03
## 1737	2014-04-02	04:55:00.0	60	11.074156	11.018612	11.114798	8.641389e-04
## 1738	2014-04-02	04:56:00.0	60	11.100911	11.018182	11.127703	7.644043e-04
## 1739	2014-04-02	04:57:00.0	60	11.008344	10.908645	11.104450	3.654520e-03
## 1740	2014-04-02	04:58:00.0	60	10.852816	10.792751	10.903686	7.240295e-04
## 1741	2014-04-02	04:59:00.0	60	10.775698	10.760835	10.790075	6.367534e-05
## 1742	2014-04-02	05:00:00.0	60	10.826853	10.736923	11.051838	8.778196e-03
## 1743	2014-04-02	05:01:00.0	60	11.334604	11.063279	11.464367	1.431577e-02
## 1744	2014-04-02	05:02:00.0	60	11.547832	11.464367	11.581342	8.552924e-04
## 1745	2014-04-02	05:03:00.0	60	11.342443	11.263367	11.511461	5.538270e-03
## 1746	2014-04-02	05:04:00.0	60	11.282200	11.182581	11.354503	2.370020e-03
## 1747	2014-04-02	05:05:00.0	60	11.125853	10.973419	11.210890	6.036461e-03
## 1748	2014-04-02	05:06:00.0	60	10.840723	10.696574	10.966176	5.649851e-03
## 1749	2014-04-02	05:07:00.0	60	10.653169	10.633896	10.691245	2.847720e-04
## 1750	2014-04-02	05:08:00.0	60	10.599948	10.538757	10.643713	1.069217e-03
## 1751	2014-04-02	05:09:00.0	60	10.545212	10.526636	10.585858	2.514092e-04
## 1752	2014-04-02	05:10:00.0	60	10.582114	10.572662	10.590893	3.434624e-05
## 1753	2014-04-02	05:11:00.0	60	10.588852	10.577796	10.597765	4.003762e-05
## 1754	2014-04-02	05:12:00.0	60	10.531605	10.470791	10.574360	7.885553e-04
## 1755	2014-04-02	05:13:00.0	60	10.427992	10.404878	10.465444	2.678476e-04
## 1756	2014-04-02	05:14:00.0	60	10.396082	10.377806	10.414306	1.075971e-04
## 1757	2014-04-02	05:15:00.0	60	10.445920	10.389692	10.568115	3.123996e-03
## 1758	2014-04-02	05:16:00.0	60	10.598034	10.571920	10.623823	1.721914e-04
## 1759	2014-04-02	05:17:00.0	60	10.613935	10.580293	10.635866	3.043369e-04
## 1760	2014-04-02	05:18:00.0	60	10.582615	10.533351	10.660013	1.460469e-03
## 1761	2014-04-02	05:19:00.0	60	10.603674	10.532374	10.671997	1.915254e-03
## 1762	2014-04-02	05:20:00.0	60	10.484200	10.449283	10.532745	5.801513e-04
## 1763	2014-04-02	05:21:00.0	60	10.632135	10.510162	10.714433	4.815750e-03
## 1764	2014-04-02	05:22:00.0	60	10.651747	10.540827	10.736316	3.528695e-03
## 1765	2014-04-02	05:23:00.0	60	10.482148	10.404157	10.536258	1.044433e-03
## 1766	2014-04-02	05:24:00.0	60	10.326477	10.282245	10.395392	5.230165e-04
## 1767	2014-04-02	05:25:00.0	60	10.273893	10.262729	10.285896	5.649146e-05
## 1768	2014-04-02	05:26:00.0	60	10.282239	10.259060	10.338711	4.420463e-04
## 1769	2014-04-02	05:27:00.0	60	10.431154	10.339082	10.553084	3.282734e-03
## 1770	2014-04-02	05:28:00.0	60	10.679806	10.559194	10.784551	3.160198e-03
## 1771	2014-04-02	05:29:00.0	60	10.671992	10.604693	10.775475	2.467859e-03
## 1772	2014-04-02	05:30:00.0	60	10.501416	10.423439	10.597453	2.463906e-03
## 1773	2014-04-02	05:31:00.0	60	10.369229	10.298641	10.418952	1.061073e-03
## 1774	2014-04-02	05:32:00.0	60	10.263821	10.221800	10.301529	4.528712e-04
## 1775	2014-04-02	05:33:00.0	60	10.199128	10.179059	10.218170	8.782893e-05
## 1776	2014-04-02	05:34:00.0	60	10.144252	10.106281	10.215341	9.313436e-04
## 1777	2014-04-02	05:35:00.0	60	10.251088	10.219907	10.275297	2.569071e-04
## 1778	2014-04-02	05:36:00.0	60	10.221708	10.194692	10.249321	2.634486e-04
## 1779	2014-04-02	05:37:00.0	60	10.361997	10.223558	10.501047	7.134587e-03
## 1780	2014-04-02	05:38:00.0	60	10.486152	10.451215	10.520391	4.261092e-04
## 1781	2014-04-02	05:39:00.0	60	10.451590	10.386044	10.499212	1.035105e-03
## 1782	2014-04-02	05:40:00.0	60	10.414973	10.371482	10.516289	2.045210e-03

## 1783	2014-04-02	05:41:00.0	60	10.587773	10.520096	10.651189	1.030214e-03
## 1784	2014-04-02	05:42:00.0	60	10.638343	10.589430	10.668231	8.662084e-04
## 1785	2014-04-02	05:43:00.0	60	10.495398	10.348315	10.586014	5.739864e-03
## 1786	2014-04-02	05:44:00.0	60	10.319664	10.256873	10.364943	1.379631e-03
## 1787	2014-04-02	05:45:00.0	60	10.237674	10.188974	10.306858	1.014514e-03
## 1788	2014-04-02	05:46:00.0	60	10.332314	10.269150	10.478950	2.622150e-03
## 1789	2014-04-02	05:47:00.0	60	10.770355	10.495329	10.916025	1.377546e-02
## 1790	2014-04-02	05:48:00.0	60	10.639529	10.400076	10.873860	1.988905e-02
## 1791	2014-04-02	05:49:00.0	60	10.304029	10.232476	10.396270	1.455688e-03
## 1792	2014-04-02	05:50:00.0	60	10.174825	10.118790	10.228672	1.154254e-03
## 1793	2014-04-02	05:51:00.0	60	10.081752	9.997769	10.139127	2.171775e-03
## 1794	2014-04-02	05:52:00.0	60	9.974784	9.953058	10.005323	2.763599e-04
## 1795	2014-04-02	05:53:00.0	60	9.926980	9.895448	9.952298	2.816283e-04
## 1796	2014-04-02	05:54:00.0	60	9.889408	9.862372	9.919063	2.149318e-04
## 1797	2014-04-02	05:55:00.0	60	9.908307	9.893693	9.944121	1.805205e-04
## 1798	2014-04-02	05:56:00.0	60	9.988258	9.941447	10.083289	1.144201e-03
## 1799	2014-04-02	05:57:00.0	60	10.216645	10.087095	10.272721	2.823451e-03
## 1800	2014-04-02	05:58:00.0	60	10.247485	10.208255	10.275765	3.964946e-04
## 1801	2014-04-02	05:59:00.0	60	10.198155	10.180034	10.215653	9.566074e-05
## 1802	2014-04-02	06:00:00.0	60	10.168495	10.135185	10.213292	5.124119e-04
## 1803	2014-04-02	06:01:00.0	60	10.237232	10.157415	10.295205	1.742125e-03
## 1804	2014-04-02	06:02:00.0	60	10.097850	10.051127	10.153979	8.746128e-04
## 1805	2014-04-02	06:03:00.0	60	10.025456	10.009753	10.048824	5.324672e-05
## 1806	2014-04-02	06:04:00.0	60	10.001446	9.990159	10.011646	4.733103e-05
## 1807	2014-04-02	06:05:00.0	60	9.969883	9.910243	10.000074	7.175093e-04
## 1808	2014-04-02	06:06:00.0	60	9.852385	9.810189	9.906496	7.078811e-04
## 1809	2014-04-02	06:07:00.0	60	9.780261	9.771021	9.809035	1.027800e-04
## 1810	2014-04-02	06:08:00.0	60	9.768255	9.751899	9.785032	9.153359e-05
## 1811	2014-04-02	06:09:00.0	60	9.776045	9.756093	9.794947	1.221385e-04
## 1812	2014-04-02	06:10:00.0	60	9.813533	9.795474	9.828084	8.589001e-05
## 1813	2014-04-02	06:11:00.0	60	9.857250	9.822912	9.874120	2.247200e-04
## 1814	2014-04-02	06:12:00.0	60	9.924376	9.850329	10.019277	3.534838e-03
## 1815	2014-04-02	06:13:00.0	60	10.092021	10.023083	10.166176	1.841543e-03
## 1816	2014-04-02	06:14:00.0	60	10.151079	10.122381	10.187294	4.372095e-04
## 1817	2014-04-02	06:15:00.0	60	10.197793	10.161083	10.234389	4.172899e-04
## 1818	2014-04-02	06:16:00.0	60	10.302845	10.232711	10.364027	1.651702e-03
## 1819	2014-04-02	06:17:00.0	60	10.280619	10.117035	10.374606	7.555803e-03
## 1820	2014-04-02	06:18:00.0	60	9.978981	9.874647	10.110926	5.336296e-03
## 1821	2014-04-02	06:19:00.0	60	9.833306	9.816433	9.877535	2.467429e-04
## 1822	2014-04-02	06:20:00.0	60	9.820975	9.800039	9.855813	2.385863e-04
## 1823	2014-04-02	06:21:00.0	60	9.963336	9.833724	10.082450	6.757595e-03
## 1824	2014-04-02	06:22:00.0	60	10.168540	10.086256	10.216628	1.499698e-03
## 1825	2014-04-02	06:23:00.0	60	10.073145	10.007080	10.135029	2.584575e-03
## 1826	2014-04-02	06:24:00.0	60	10.000462	9.932333	10.045253	9.818964e-04
## 1827	2014-04-02	06:25:00.0	60	9.941694	9.919219	9.969511	1.840523e-04
## 1828	2014-04-02	06:26:00.0	60	10.007235	9.952531	10.104465	1.450478e-03
## 1829	2014-04-02	06:27:00.0	60	10.025354	9.815143	10.185851	1.123154e-02
## 1830	2014-04-02	06:28:00.0	60	9.713224	9.684555	9.810949	1.159101e-03
## 1831	2014-04-02	06:29:00.0	60	9.748854	9.683401	10.044414	1.015105e-02
## 1832	2014-04-02	06:30:00.0	60	9.990496	9.899490	10.161239	7.603301e-03
## 1833	2014-04-02	06:31:00.0	60	10.035640	9.999838	10.053702	1.596575e-04
## 1834	2014-04-02	06:32:00.0	60	10.090573	9.990159	10.155736	2.398587e-03
## 1835	2014-04-02	06:33:00.0	60	9.960874	9.922810	10.080539	1.763276e-03
## 1836	2014-04-02	06:34:00.0	60	9.956828	9.904739	10.023843	1.471253e-03

## 1837	2014-04-02	06:35:00.0	60	9.943773	9.895292	10.039984	2.344576e-03
## 1838	2014-04-02	06:36:00.0	60	9.900451	9.815358	10.039377	3.703180e-03
## 1839	2014-04-02	06:37:00.0	60	9.809956	9.715407	9.839284	1.201971e-03
## 1840	2014-04-02	06:38:00.0	60	9.734069	9.678503	9.798968	1.646040e-03
## 1841	2014-04-02	06:39:00.0	60	9.853783	9.717143	9.961822	3.206450e-03
## 1842	2014-04-02	06:40:00.0	60	10.150122	9.969802	10.282716	5.642280e-03
## 1843	2014-04-02	06:41:00.0	60	10.310973	10.191179	10.396935	4.926851e-03
## 1844	2014-04-02	06:42:00.0	60	10.095038	9.967071	10.185851	4.162459e-03
## 1845	2014-04-02	06:43:00.0	60	9.877702	9.803769	9.965705	3.146780e-03
## 1846	2014-04-02	06:44:00.0	60	9.765481	9.707718	9.805291	6.257725e-04
## 1847	2014-04-02	06:45:00.0	60	9.706874	9.610263	9.767276	2.558843e-03
## 1848	2014-04-02	06:46:00.0	60	9.781567	9.599142	9.903508	8.595963e-03
## 1849	2014-04-02	06:47:00.0	60	10.163167	9.912292	10.294133	1.386086e-02
## 1850	2014-04-02	06:48:00.0	60	10.313925	10.199181	10.456603	9.951629e-03
## 1851	2014-04-02	06:49:00.0	60	10.182489	10.056299	10.440986	1.207938e-02
## 1852	2014-04-02	06:50:00.0	60	9.867069	9.730940	10.043731	8.882554e-03
## 1853	2014-04-02	06:51:00.0	60	9.729196	9.698858	9.813680	9.653941e-04
## 1854	2014-04-02	06:52:00.0	60	9.941505	9.817878	10.049448	3.926477e-03
## 1855	2014-04-02	06:53:00.0	60	9.896876	9.741066	10.054015	8.295550e-03
## 1856	2014-04-02	06:54:00.0	60	9.743107	9.690330	9.789542	8.618786e-04
## 1857	2014-04-02	06:55:00.0	60	9.652281	9.585249	9.694525	8.785242e-04
## 1858	2014-04-02	06:56:00.0	60	9.580149	9.533753	9.619768	7.514981e-04
## 1859	2014-04-02	06:57:00.0	60	9.564053	9.519507	9.628587	8.441933e-04
## 1860	2014-04-02	06:58:00.0	60	9.862412	9.634694	10.001654	1.665944e-02
## 1861	2014-04-02	06:59:00.0	60	9.818990	9.637682	9.962428	1.142052e-02
## 1862	2014-04-02	07:00:00.0	60	9.537924	9.468071	9.633114	2.666620e-03
## 1863	2014-04-02	07:01:00.0	60	9.457107	9.406217	9.505635	7.684868e-04
## 1864	2014-04-02	07:02:00.0	60	9.386930	9.353573	9.415447	3.652948e-04
## 1865	2014-04-02	07:03:00.0	60	9.406485	9.371427	9.441027	2.637248e-04
## 1866	2014-04-02	07:04:00.0	60	9.532475	9.452851	9.607885	2.252411e-03
## 1867	2014-04-02	07:05:00.0	60	9.456527	9.434938	9.515858	2.708804e-04
## 1868	2014-04-02	07:06:00.0	60	9.498836	9.448733	9.575824	1.246450e-03
## 1869	2014-04-02	07:07:00.0	60	9.564317	9.495371	9.732150	4.204443e-03
## 1870	2014-04-02	07:08:00.0	60	9.789600	9.685921	9.884462	3.727475e-03
## 1871	2014-04-02	07:09:00.0	60	9.679744	9.574379	9.768192	4.818698e-03
## 1872	2014-04-02	07:10:00.0	60	9.594531	9.543743	9.641935	7.047923e-04
## 1873	2014-04-02	07:11:00.0	60	9.866790	9.578164	10.126930	3.217387e-02
## 1874	2014-04-02	07:12:00.0	60	10.085260	10.010416	10.149725	2.054453e-03
## 1875	2014-04-02	07:13:00.0	60	10.033333	9.968593	10.106670	1.844838e-03
## 1876	2014-04-02	07:14:00.0	60	9.922971	9.873046	10.021717	1.235905e-03
## 1877	2014-04-02	07:15:00.0	60	9.903994	9.804469	10.062778	6.724933e-03
## 1878	2014-04-02	07:16:00.0	60	10.002859	9.876696	10.102339	6.596083e-03
## 1879	2014-04-02	07:17:00.0	60	9.895695	9.809583	9.952142	1.502259e-03
## 1880	2014-04-02	07:18:00.0	60	9.775455	9.754336	9.819088	2.139088e-04
## 1881	2014-04-02	07:19:00.0	60	9.889957	9.809641	9.980792	3.063542e-03
## 1882	2014-04-02	07:20:00.0	60	9.737275	9.651693	9.813153	3.304004e-03
## 1883	2014-04-02	07:21:00.0	60	9.515864	9.453925	9.651243	4.267865e-03
## 1884	2014-04-02	07:22:00.0	60	9.344664	9.288460	9.458276	2.650859e-03
## 1885	2014-04-02	07:23:00.0	60	9.356600	9.328305	9.380089	2.519566e-04
## 1886	2014-04-02	07:24:00.0	60	9.436015	9.350315	9.503586	2.284240e-03
## 1887	2014-04-02	07:25:00.0	60	9.389849	9.330665	9.448130	2.289046e-03
## 1888	2014-04-02	07:26:00.0	60	9.377972	9.310840	9.434567	1.920663e-03
## 1889	2014-04-02	07:27:00.0	60	9.399302	9.327914	9.462979	2.349738e-03
## 1890	2014-04-02	07:28:00.0	60	9.538243	9.418022	9.625172	3.620761e-03

## 1891	2014-04-02	07:29:00.0	60	9.625038	9.492072	9.783979	9.626045e-03
## 1892	2014-04-02	07:30:00.0	60	9.652276	9.580077	9.774359	3.344012e-03
## 1893	2014-04-02	07:31:00.0	60	9.673457	9.626090	9.706311	5.825871e-04
## 1894	2014-04-02	07:32:00.0	60	9.597672	9.561345	9.634794	5.998711e-04
## 1895	2014-04-02	07:33:00.0	60	9.637806	9.599669	9.675851	5.368780e-04
## 1896	2014-04-02	07:34:00.0	60	9.723770	9.656044	9.820159	2.978839e-03
## 1897	2014-04-02	07:35:00.0	60	9.607160	9.533518	9.682094	1.815034e-03
## 1898	2014-04-02	07:36:00.0	60	9.443049	9.404168	9.529694	1.352082e-03
## 1899	2014-04-02	07:37:00.0	60	9.421877	9.401710	9.441340	1.303052e-04
## 1900	2014-04-02	07:38:00.0	60	9.469486	9.409281	9.527216	1.197702e-03
## 1901	2014-04-02	07:39:00.0	60	9.420342	9.375836	9.467936	8.030591e-04
## 1902	2014-04-02	07:40:00.0	60	9.347442	9.310587	9.395797	9.001299e-04
## 1903	2014-04-02	07:41:00.0	60	9.299057	9.263271	9.345747	9.528394e-04
## 1904	2014-04-02	07:42:00.0	60	9.377107	9.263545	9.739330	2.038167e-02
## 1905	2014-04-02	07:43:00.0	60	9.642515	9.589073	9.767900	2.551782e-03
## 1906	2014-04-02	07:44:00.0	60	9.745935	9.638209	9.791806	1.147368e-03
## 1907	2014-04-02	07:45:00.0	60	9.688216	9.619397	9.744637	1.067236e-03
## 1908	2014-04-02	07:46:00.0	60	9.608502	9.593111	9.630656	9.442697e-05
## 1909	2014-04-02	07:47:00.0	60	9.558483	9.526298	9.603455	5.037950e-04
## 1910	2014-04-02	07:48:00.0	60	9.538212	9.513323	9.561169	2.025650e-04
## 1911	2014-04-02	07:49:00.0	60	9.670530	9.536114	9.771412	5.942722e-03
## 1912	2014-04-02	07:50:00.0	60	9.890427	9.775978	9.992520	3.002812e-03
## 1913	2014-04-02	07:51:00.0	60	10.134557	9.997086	10.240051	5.910135e-03
## 1914	2014-04-02	07:52:00.0	60	9.953914	9.843011	10.221430	1.100802e-02
## 1915	2014-04-02	07:53:00.0	60	9.856727	9.798517	9.975384	2.642433e-03
## 1916	2014-04-02	07:54:00.0	60	9.807350	9.684222	9.966467	7.503135e-03
## 1917	2014-04-02	07:55:00.0	60	9.772316	9.664259	9.916252	6.507373e-03
## 1918	2014-04-02	07:56:00.0	60	9.643042	9.558437	9.791141	6.111005e-03
## 1919	2014-04-02	07:57:00.0	60	9.592230	9.514707	9.703579	3.281234e-03
## 1920	2014-04-02	07:58:00.0	60	9.845944	9.715777	9.941174	3.162238e-03
## 1921	2014-04-02	07:59:00.0	60	9.675351	9.604682	9.841569	5.728590e-03
## 1922	2014-04-02	08:00:00.0	60	9.500551	9.327231	9.653292	1.104645e-02
## 1923	2014-04-02	08:01:00.0	60	9.319487	9.249068	9.372168	1.148964e-03
## 1924	2014-04-02	08:02:00.0	60	9.601448	9.375601	9.849043	2.898639e-02
## 1925	2014-04-02	08:03:00.0	60	9.453995	9.345105	9.658016	6.787779e-03
## 1926	2014-04-02	08:04:00.0	60	9.599047	9.385260	9.724305	9.778996e-03
## 1927	2014-04-02	08:05:00.0	60	9.455285	9.328791	9.621310	7.434372e-03
## 1928	2014-04-02	08:06:00.0	60	9.504548	9.427641	9.610166	3.163705e-03
## 1929	2014-04-02	08:07:00.0	60	9.587741	9.518377	9.668103	1.805490e-03
## 1930	2014-04-02	08:08:00.0	60	9.664228	9.548680	9.739936	4.382440e-03
## 1931	2014-04-02	08:09:00.0	60	9.478589	9.373690	9.638441	6.591892e-03
## 1932	2014-04-02	08:10:00.0	60	9.593350	9.531293	9.663441	1.665952e-03
## 1933	2014-04-02	08:11:00.0	60	9.606913	9.554028	9.647731	6.020246e-04
## 1934	2014-04-02	08:12:00.0	60	9.645809	9.565519	9.767821	5.355992e-03
## 1935	2014-04-02	08:13:00.0	60	9.541074	9.396695	9.763255	1.093235e-02
## 1936	2014-04-02	08:14:00.0	60	9.819541	9.480793	10.069862	4.526842e-02
## 1937	2014-04-02	08:15:00.0	60	9.969999	9.803943	10.209094	2.253354e-02
## 1938	2014-04-02	08:16:00.0	60	10.144564	9.933543	10.425821	2.696074e-02
## 1939	2014-04-02	08:17:00.0	60	10.468252	10.418657	10.539617	1.528403e-03
## 1940	2014-04-02	08:18:00.0	60	10.593734	10.532589	10.634500	9.590809e-04
## 1941	2014-04-02	08:19:00.0	60	10.605297	10.555758	10.692337	1.859547e-03
## 1942	2014-04-02	08:20:00.0	60	10.732746	10.580606	10.951476	1.787098e-02
## 1943	2014-04-02	08:21:00.0	60	10.890986	10.726184	10.955439	4.378642e-03
## 1944	2014-04-02	08:22:00.0	60	10.646499	10.301609	10.823769	2.540646e-02

##	1945	2014-04-02	08:23:00.0	60	10.052742	9.893381	10.285975	1.401858e-02
##	1946	2014-04-02	08:24:00.0	60	10.251730	10.066974	10.462730	2.165916e-02
##	1947	2014-04-02	08:25:00.0	60	10.447318	10.391762	10.490312	5.932059e-04
##	1948	2014-04-02	08:26:00.0	60	10.563481	10.457969	10.640433	4.042922e-03
##	1949	2014-04-02	08:27:00.0	60	10.625649	10.585779	10.656674	6.084230e-04
##	1950	2014-04-02	08:28:00.0	60	10.808652	10.658880	10.932247	6.199382e-03
##	1951	2014-04-02	08:29:00.0	60	10.775868	10.682889	10.870618	3.724883e-03
##	1952	2014-04-02	08:30:00.0	60	10.933796	10.849791	11.023981	4.851537e-03
##	1953	2014-04-02	08:31:00.0	60	10.739657	10.462303	10.998894	4.518422e-02
##	1954	2014-04-02	08:32:00.0	60	10.238756	10.121463	10.456211	1.052817e-02
##	1955	2014-04-02	08:33:00.0	60	10.278771	10.118713	10.412333	1.012529e-02
##	1956	2014-04-02	08:34:00.0	60	10.417282	10.218150	10.510884	8.533151e-03
##	1957	2014-04-02	08:35:00.0	60	10.032448	9.693980	10.235540	3.305702e-02
##	1958	2014-04-02	08:36:00.0	60	9.782583	9.646209	10.099274	2.218950e-02
##	1959	2014-04-02	08:37:00.0	60	10.073698	9.955186	10.171116	4.489861e-03
##	1960	2014-04-02	08:38:00.0	60	10.124394	9.942463	10.337813	2.484079e-02
##	1961	2014-04-02	08:39:00.0	60	10.346834	10.246119	10.452931	4.534661e-03
##	1962	2014-04-02	08:40:00.0	60	10.145813	9.913735	10.281621	1.023717e-02
##	1963	2014-04-02	08:41:00.0	60	9.825053	9.745652	9.903820	2.261402e-03
##	1964	2014-04-02	08:42:00.0	60	9.750930	9.567668	9.827089	4.053181e-03
##	1965	2014-04-02	08:43:00.0	60	9.362128	9.235408	9.554711	9.130424e-03
##	1966	2014-04-02	08:44:00.0	60	9.417774	9.253165	9.550045	7.314659e-03
##	1967	2014-04-02	08:45:00.0	60	9.356410	9.280831	9.438355	3.861285e-03
##	1968	2014-04-02	08:46:00.0	60	9.337464	9.282705	9.426938	1.132641e-03
##	1969	2014-04-02	08:47:00.0	60	9.606166	9.431135	9.722783	1.033462e-02
##	1970	2014-04-02	08:48:00.0	60	9.711955	9.663497	9.779160	1.243592e-03
##	1971	2014-04-02	08:49:00.0	60	9.483069	9.331095	9.652453	7.958485e-03
##	1972	2014-04-02	08:50:00.0	60	9.513889	9.330333	9.756308	1.714152e-02
##	1973	2014-04-02	08:51:00.0	60	9.607932	9.431194	9.752873	1.057138e-02
##	1974	2014-04-02	08:52:00.0	60	9.404798	9.368734	9.445554	5.664568e-04
##	1975	2014-04-02	08:53:00.0	60	9.443454	9.346256	9.497399	2.993015e-03
##	1976	2014-04-02	08:54:00.0	60	9.485428	9.426997	9.581364	2.089814e-03
##	1977	2014-04-02	08:55:00.0	60	9.470054	9.402432	9.564389	1.880555e-03
##	1978	2014-04-02	08:56:00.0	60	9.318772	9.235876	9.455506	3.850654e-03
##	1979	2014-04-02	08:57:00.0	60	9.266082	9.133579	9.369864	5.552239e-03
##	1980	2014-04-02	08:58:00.0	60	9.129249	9.069877	9.200894	1.768502e-03
##	1981	2014-04-02	08:59:00.0	60	9.071398	9.028984	9.184465	1.899257e-03
##	1982	2014-04-02	09:00:00.0	60	9.067743	9.036047	9.094033	4.304135e-04
##	1983	2014-04-02	09:01:00.0	60	9.040941	9.010234	9.084589	5.442275e-04
##	1984	2014-04-02	09:02:00.0	60	9.149070	9.086502	9.203234	1.219818e-03
##	1985	2014-04-02	09:03:00.0	60	9.098041	8.999271	9.212717	5.250219e-03
##	1986	2014-04-02	09:04:00.0	60	9.179575	9.079477	9.279680	4.299814e-03
##	1987	2014-04-02	09:05:00.0	60	9.200627	9.132781	9.250940	1.286541e-03
##	1988	2014-04-02	09:06:00.0	60	9.132475	9.034116	9.204699	3.559609e-03
##	1989	2014-04-02	09:07:00.0	60	9.092956	9.035267	9.208287	3.434121e-03
##	1990	2014-04-02	09:08:00.0	60	9.295664	9.212463	9.357767	1.838353e-03
##	1991	2014-04-02	09:09:00.0	60	9.275272	9.237751	9.312753	5.187714e-04
##	1992	2014-04-02	09:10:00.0	60	9.293871	9.214532	9.362665	3.276753e-03
##	1993	2014-04-02	09:11:00.0	60	9.268573	9.190434	9.341632	2.402514e-03
##	1994	2014-04-02	09:12:00.0	60	9.215594	9.116742	9.314313	3.129375e-03
##	1995	2014-04-02	09:13:00.0	60	9.018614	8.943082	9.201421	3.760934e-03
##	1996	2014-04-02	09:14:00.0	60	8.844759	8.787262	8.938615	1.646081e-03
##	1997	2014-04-02	09:15:00.0	60	8.835973	8.802517	8.862294	2.689716e-04
##	1998	2014-04-02	09:16:00.0	60	8.752934	8.734257	8.800216	2.437289e-04

##	1999	2014-04-02	09:17:00.0	60	9.079726	8.751598	9.478588	6.342430e-02
##	2000	2014-04-02	09:18:00.0	60	9.390988	9.237945	9.526513	1.063043e-02
##	2001	2014-04-02	09:19:00.0	60	9.240362	9.146906	9.318118	3.036254e-03
##	2002	2014-04-02	09:20:00.0	60	9.194222	9.164270	9.239234	3.417246e-04
##	2003	2014-04-02	09:21:00.0	60	9.246992	9.172484	9.301866	2.094519e-03
##	2004	2014-04-02	09:22:00.0	60	9.385772	9.239897	9.613895	1.793124e-02
##	2005	2014-04-02	09:23:00.0	60	9.688341	9.626090	9.739173	1.159663e-03
##	2006	2014-04-02	09:24:00.0	60	9.642716	9.572233	9.690878	1.403322e-03
##	2007	2014-04-02	09:25:00.0	60	9.470283	9.332949	9.689724	1.547578e-02
##	2008	2014-04-02	09:26:00.0	60	9.252868	9.117854	9.370803	4.470369e-03
##	2009	2014-04-02	09:27:00.0	60	8.996304	8.920119	9.106421	2.303303e-03
##	2010	2014-04-02	09:28:00.0	60	8.903554	8.893468	8.917505	3.853055e-05
##	2011	2014-04-02	09:29:00.0	60	8.891331	8.869843	8.911184	1.859794e-04
##	2012	2014-04-02	09:30:00.0	60	8.867711	8.804097	8.912335	1.304616e-03
##	2013	2014-04-02	09:31:00.0	60	8.759098	8.727527	8.801816	5.206097e-04
##	2014	2014-04-02	09:32:00.0	60	8.726998	8.718104	8.734784	1.568196e-05
##	2015	2014-04-02	09:33:00.0	60	8.733836	8.712778	8.751210	1.565433e-04
##	2016	2014-04-02	09:34:00.0	60	8.699121	8.672649	8.730961	2.863826e-04
##	2017	2014-04-02	09:35:00.0	60	8.790561	8.675323	8.905781	5.398267e-03
##	2018	2014-04-02	09:36:00.0	60	8.767000	8.725302	8.797523	4.359547e-04
##	2019	2014-04-02	09:37:00.0	60	8.707387	8.691649	8.732950	1.387894e-04
##	2020	2014-04-02	09:38:00.0	60	8.933726	8.737514	9.082929	1.226217e-02
##	2021	2014-04-02	09:39:00.0	60	8.845836	8.708155	8.936605	4.778836e-03
##	2022	2014-04-02	09:40:00.0	60	8.701214	8.683398	8.714064	6.809122e-05
##	2023	2014-04-02	09:41:00.0	60	8.689229	8.656282	8.707355	1.678138e-04
##	2024	2014-04-02	09:42:00.0	60	8.601282	8.562527	8.654371	6.649565e-04
##	2025	2014-04-02	09:43:00.0	60	8.627874	8.606907	8.655248	1.608859e-04
##	2026	2014-04-02	09:44:00.0	60	8.726294	8.652986	8.897467	6.040383e-03
##	2027	2014-04-02	09:45:00.0	60	8.992749	8.911943	9.022350	5.911250e-04
##	2028	2014-04-02	09:46:00.0	60	9.050597	8.972679	9.116704	2.198567e-03
##	2029	2014-04-02	09:47:00.0	60	8.999870	8.933288	9.069956	2.124850e-03
##	2030	2014-04-02	09:48:00.0	60	9.056051	8.936878	9.125777	2.482105e-03
##	2031	2014-04-02	09:49:00.0	60	9.012015	8.959842	9.067596	1.313270e-03
##	2032	2014-04-02	09:50:00.0	60	9.160914	9.065136	9.287426	4.728243e-03
##	2033	2014-04-02	09:51:00.0	60	9.429247	9.297339	9.475701	1.918890e-03
##	2034	2014-04-02	09:52:00.0	60	9.430880	9.331095	9.497576	3.591298e-03
##	2035	2014-04-02	09:53:00.0	60	9.073731	8.927944	9.326978	1.772095e-02
##	2036	2014-04-02	09:54:00.0	60	9.001684	8.941893	9.059732	1.961870e-03
##	2037	2014-04-02	09:55:00.0	60	9.064669	8.997182	9.131101	1.513113e-03
##	2038	2014-04-02	09:56:00.0	60	9.013731	8.915007	9.073058	2.469198e-03
##	2039	2014-04-02	09:57:00.0	60	9.005416	8.916372	9.094695	2.884967e-03
##	2040	2014-04-02	09:58:00.0	60	9.057073	8.949521	9.176778	5.091044e-03
##	2041	2014-04-02	09:59:00.0	60	8.902300	8.723586	9.167704	1.567279e-02
##	2042	2014-04-02	10:00:00.0	60	8.676090	8.614926	8.820406	2.625494e-03
##	2043	2014-04-02	10:01:00.0	60	8.926039	8.766445	9.035208	5.724528e-03
##	2044	2014-04-02	10:02:00.0	60	8.698435	8.662817	8.762622	7.196846e-04
##	2045	2014-04-02	10:03:00.0	60	8.765279	8.673449	8.841497	2.228187e-03
##	2046	2014-04-02	10:04:00.0	60	8.719207	8.675147	8.816251	1.344201e-03
##	2047	2014-04-02	10:05:00.0	60	8.843766	8.745065	8.900746	1.581505e-03
##	2048	2014-04-02	10:06:00.0	60	8.655900	8.630960	8.735934	7.655856e-04
##	2049	2014-04-02	10:07:00.0	60	8.796103	8.637360	8.885139	5.742338e-03
##	2050	2014-04-02	10:08:00.0	60	8.720145	8.562742	8.797249	7.009836e-03
##	2051	2014-04-02	10:09:00.0	60	8.592298	8.555738	8.674034	7.115618e-04
##	2052	2014-04-02	10:10:00.0	60	8.721883	8.679361	8.798050	6.232855e-04



##	2053	2014-04-02	10:11:00.0	60	8.757529	8.728307	8.804995	6.588018e-04
##	2054	2014-04-02	10:12:00.0	60	8.862107	8.759111	8.976228	3.487128e-03
##	2055	2014-04-02	10:13:00.0	60	8.933809	8.870508	8.983721	9.277669e-04
##	2056	2014-04-02	10:14:00.0	60	8.951155	8.844266	9.039714	5.038761e-03
##	2057	2014-04-02	10:15:00.0	60	8.866051	8.789154	8.935884	8.872095e-04
##	2058	2014-04-02	10:16:00.0	60	8.691522	8.647698	8.781155	1.152637e-03
##	2059	2014-04-02	10:17:00.0	60	8.611339	8.584514	8.645046	3.930289e-04
##	2060	2014-04-02	10:18:00.0	60	8.534011	8.502037	8.595475	8.343267e-04
##	2061	2014-04-02	10:19:00.0	60	8.489288	8.462340	8.537012	4.081002e-04
##	2062	2014-04-02	10:20:00.0	60	8.517957	8.490779	8.543430	2.964720e-04
##	2063	2014-04-02	10:21:00.0	60	8.511943	8.474784	8.540172	2.535390e-04
##	2064	2014-04-02	10:22:00.0	60	8.522044	8.478023	8.609034	1.499392e-03
##	2065	2014-04-02	10:23:00.0	60	8.883985	8.610556	9.073137	2.695098e-02
##	2066	2014-04-02	10:24:00.0	60	8.988377	8.946534	9.013142	2.329350e-04
##	2067	2014-04-02	10:25:00.0	60	8.792375	8.722277	8.943102	4.066849e-03
##	2068	2014-04-02	10:26:00.0	60	8.739452	8.709638	8.780570	6.406030e-04
##	2069	2014-04-02	10:27:00.0	60	8.753107	8.721733	8.776882	2.793858e-04
##	2070	2014-04-02	10:28:00.0	60	8.663941	8.638549	8.725808	8.218937e-04
##	2071	2014-04-02	10:29:00.0	60	8.611009	8.560499	8.643328	6.002726e-04
##	2072	2014-04-02	10:30:00.0	60	8.564068	8.548132	8.579226	1.041439e-04
##	2073	2014-04-02	10:31:00.0	60	8.603025	8.554861	8.684275	1.856482e-03
##	2074	2014-04-02	10:32:00.0	60	8.714737	8.685037	8.733906	1.408235e-04
##	2075	2014-04-02	10:33:00.0	60	8.848675	8.729263	8.966923	7.567118e-03
##	2076	2014-04-02	10:34:00.0	60	8.931332	8.850508	9.014234	2.316596e-03
##	2077	2014-04-02	10:35:00.0	60	8.869080	8.838510	8.939141	7.681765e-04
##	2078	2014-04-02	10:36:00.0	60	8.941243	8.871502	8.978023	7.387641e-04
##	2079	2014-04-02	10:37:00.0	60	8.842544	8.757375	8.931631	3.011766e-03
##	2080	2014-04-02	10:38:00.0	60	8.756260	8.715470	8.915066	2.361666e-03
##	2081	2014-04-02	10:39:00.0	60	9.190844	8.926499	9.376422	1.514380e-02
##	2082	2014-04-02	10:40:00.0	60	9.302810	9.130147	9.406432	6.066843e-03
##	2083	2014-04-02	10:41:00.0	60	8.974728	8.861532	9.116821	4.148796e-03
##	2084	2014-04-02	10:42:00.0	60	8.995877	8.834181	9.260558	1.633824e-02
##	2085	2014-04-02	10:43:00.0	60	9.222662	8.965578	9.340714	1.675670e-02
##	2086	2014-04-02	10:44:00.0	60	8.926536	8.874507	8.981263	1.063883e-03
##	2087	2014-04-02	10:45:00.0	60	8.878238	8.842921	8.914501	3.710290e-04
##	2088	2014-04-02	10:46:00.0	60	8.912657	8.878350	8.963900	5.258506e-04
##	2089	2014-04-02	10:47:00.0	60	8.897322	8.835194	8.949150	1.132774e-03
##	2090	2014-04-02	10:48:00.0	60	8.830560	8.803747	8.897040	5.043076e-04
##	2091	2014-04-02	10:49:00.0	60	8.907669	8.869122	8.963685	7.126064e-04
##	2092	2014-04-02	10:50:00.0	60	9.007977	8.942576	9.055012	1.209202e-03
##	2093	2014-04-02	10:51:00.0	60	8.963169	8.922246	9.002841	5.496342e-04
##	2094	2014-04-02	10:52:00.0	60	8.902861	8.870605	8.958338	6.272271e-04
##	2095	2014-04-02	10:53:00.0	60	8.897415	8.823958	8.966319	1.790463e-03
##	2096	2014-04-02	10:54:00.0	60	8.853735	8.782032	8.927317	3.108218e-03
##	2097	2014-04-02	10:55:00.0	60	8.922389	8.896143	8.969224	3.603838e-04
##	2098	2014-04-02	10:56:00.0	60	8.989944	8.965595	9.009845	1.117969e-04
##	2099	2014-04-02	10:57:00.0	60	8.953776	8.931375	8.977555	1.807110e-04
##	2100	2014-04-02	10:58:00.0	60	8.878378	8.845691	8.945793	9.661339e-04
##	2101	2014-04-02	10:59:00.0	60	8.732693	8.658232	8.853475	3.711452e-03
##	2102	2014-04-02	11:00:00.0	60	8.755909	8.667363	8.800254	2.270366e-03
##	2103	2014-04-02	11:01:00.0	60	8.774837	8.746334	8.803044	2.587811e-04
##	2104	2014-04-02	11:02:00.0	60	8.785033	8.739368	8.815277	4.682874e-04
##	2105	2014-04-02	11:03:00.0	60	8.780395	8.702087	8.842413	2.657220e-03
##	2106	2014-04-02	11:04:00.0	60	8.661475	8.635312	8.701092	2.114977e-04

##	2107	2014-04-02	11:05:00.0	60	8.609337	8.565864	8.669723	1.031033e-03
##	2108	2014-04-02	11:06:00.0	60	8.605541	8.572184	8.659462	7.616876e-04
##	2109	2014-04-02	11:07:00.0	60	8.614986	8.588825	8.662720	3.404534e-04
##	2110	2014-04-02	11:08:00.0	60	8.661967	8.640500	8.686929	1.736650e-04
##	2111	2014-04-02	11:09:00.0	60	8.664516	8.636539	8.722065	4.133503e-04
##	2112	2014-04-02	11:10:00.0	60	8.768528	8.731214	8.782794	9.799578e-05
##	2113	2014-04-02	11:11:00.0	60	8.796421	8.743835	8.874154	1.566684e-03
##	2114	2014-04-02	11:12:00.0	60	8.966717	8.875287	9.035032	3.111881e-03
##	2115	2014-04-02	11:13:00.0	60	8.998939	8.960796	9.042212	8.032836e-04
##	2116	2014-04-02	11:14:00.0	60	8.831567	8.728795	8.959860	3.949992e-03
##	2117	2014-04-02	11:15:00.0	60	8.695046	8.638979	8.725555	6.054419e-04
##	2118	2014-04-02	11:16:00.0	60	8.594612	8.569942	8.640871	3.593430e-04
##	2119	2014-04-02	11:17:00.0	60	8.618629	8.598735	8.642607	1.453958e-04
##	2120	2014-04-02	11:18:00.0	60	8.747467	8.637301	8.854352	6.532569e-03
##	2121	2014-04-02	11:19:00.0	60	8.907103	8.850920	8.966278	8.343808e-04
##	2122	2014-04-02	11:20:00.0	60	9.065008	8.969321	9.127084	1.993449e-03
##	2123	2014-04-02	11:21:00.0	60	9.160075	9.129191	9.175742	1.171834e-04
##	2124	2014-04-02	11:22:00.0	60	9.200503	9.160211	9.240053	5.705861e-04
##	2125	2014-04-02	11:23:00.0	60	9.195971	9.145734	9.285145	1.456719e-03
##	2126	2014-04-02	11:24:00.0	60	9.350910	9.283777	9.419485	1.534649e-03
##	2127	2014-04-02	11:25:00.0	60	9.315580	9.109876	9.457184	1.456792e-02
##	2128	2014-04-02	11:26:00.0	60	9.009759	8.956640	9.105679	1.635712e-03
##	2129	2014-04-02	11:27:00.0	60	8.984514	8.922558	9.027736	9.200800e-04
##	2130	2014-04-02	11:28:00.0	60	8.916408	8.883930	8.933971	1.893203e-04
##	2131	2014-04-02	11:29:00.0	60	8.839620	8.815821	8.878603	4.380088e-04
##	2132	2014-04-02	11:30:00.0	60	8.930934	8.869354	8.984483	1.894527e-03
##	2133	2014-04-02	11:31:00.0	60	8.985478	8.967723	8.998021	6.780691e-05
##	2134	2014-04-02	11:32:00.0	60	9.037090	8.992032	9.134165	1.996112e-03
##	2135	2014-04-02	11:33:00.0	60	9.130528	9.117875	9.146496	5.221993e-05
##	2136	2014-04-02	11:34:00.0	60	9.119459	9.095555	9.133191	8.562347e-05
##	2137	2014-04-02	11:35:00.0	60	9.136491	9.090363	9.167472	6.838545e-04
##	2138	2014-04-02	11:36:00.0	60	9.167382	9.155179	9.192600	1.084168e-04
##	2139	2014-04-02	11:37:00.0	60	9.212856	9.178747	9.246531	4.289981e-04
##	2140	2014-04-02	11:38:00.0	60	9.249283	9.207819	9.264287	2.675974e-04
##	2141	2014-04-02	11:39:00.0	60	9.279957	9.252794	9.318898	3.753146e-04
##	2142	2014-04-02	11:40:00.0	60	9.387862	9.324246	9.453672	9.968887e-04
##	2143	2014-04-02	11:41:00.0	60	9.478545	9.448501	9.559276	1.305654e-03
##	2144	2014-04-02	11:42:00.0	60	9.541530	9.521732	9.566964	1.854895e-04
##	2145	2014-04-02	11:43:00.0	60	9.546129	9.519957	9.578105	4.110231e-04
##	2146	2014-04-02	11:44:00.0	60	9.597270	9.532485	9.636843	1.425518e-03
##	2147	2014-04-02	11:45:00.0	60	9.645937	9.626714	9.676690	1.054615e-04
##	2148	2014-04-02	11:46:00.0	60	9.707216	9.680514	9.725436	1.579953e-04
##	2149	2014-04-02	11:47:00.0	60	9.726374	9.698408	9.763547	2.412614e-04
##	2150	2014-04-02	11:48:00.0	60	9.806898	9.764309	9.849882	5.482175e-04
##	2151	2014-04-02	11:49:00.0	60	9.890834	9.840515	9.955478	1.848668e-03
##	2152	2014-04-02	11:50:00.0	60	9.993332	9.953956	10.031688	5.170246e-04
##	2153	2014-04-02	11:51:00.0	60	10.046788	10.023531	10.072985	2.281806e-04
##	2154	2014-04-02	11:52:00.0	60	9.991854	9.936608	10.048765	8.845525e-04
##	2155	2014-04-02	11:53:00.0	60	9.915623	9.893614	9.967539	2.301604e-04
##	2156	2014-04-02	11:54:00.0	60	10.069303	9.977435	10.136530	1.927926e-03
##	2157	2014-04-02	11:55:00.0	60	10.118713	10.091429	10.149119	2.699254e-04
##	2158	2014-04-02	11:56:00.0	60	10.175161	10.127006	10.214267	5.017668e-04
##	2159	2014-04-02	11:57:00.0	60	10.185188	10.161474	10.217019	2.893478e-04
##	2160	2014-04-02	11:58:00.0	60	10.266201	10.170295	10.336897	2.258722e-03

## 2161	2014-04-02	11:59:00.0	60	10.319289	10.291849	10.366077	4.259451e-04
## 2162	2014-04-02	12:00:00.0	60	10.392901	10.349154	10.450140	9.278276e-04
## 2163	2014-04-02	12:01:00.0	60	10.450500	10.421313	10.487850	3.690825e-04
## 2164	2014-04-02	12:02:00.0	60	10.487517	10.454026	10.520877	2.827119e-04
## 2165	2014-04-02	12:03:00.0	60	10.525776	10.467903	10.558061	4.273271e-04
## 2166	2014-04-02	12:04:00.0	60	10.625452	10.554080	10.681893	2.352236e-03
## 2167	2014-04-02	12:05:00.0	60	10.740668	10.657982	10.860468	5.489550e-03
## 2168	2014-04-02	12:06:00.0	60	10.801177	10.771630	10.844988	5.061822e-04
## 2169	2014-04-02	12:07:00.0	60	10.969814	10.779456	11.046002	5.484534e-03
## 2170	2014-04-02	12:08:00.0	60	11.054160	11.012013	11.076145	2.368986e-04
## 2171	2014-04-02	12:09:00.0	60	11.070903	11.007776	11.124714	1.314010e-03
## 2172	2014-04-02	12:10:00.0	60	11.078784	11.008147	11.115228	1.064559e-03
## 2173	2014-04-02	12:11:00.0	60	11.190666	11.122977	11.247378	1.334455e-03
## 2174	2014-04-02	12:12:00.0	60	11.187918	11.168563	11.206944	1.328095e-04
## 2175	2014-04-02	12:13:00.0	60	11.243816	11.170086	11.381232	3.147905e-03
## 2176	2014-04-02	12:14:00.0	60	11.423586	11.386719	11.465286	6.283799e-04
## 2177	2014-04-02	12:15:00.0	60	11.424803	11.396500	11.512282	7.934818e-04
## 2178	2014-04-02	12:16:00.0	60	11.436146	11.393590	11.516264	1.358620e-03
## 2179	2014-04-02	12:17:00.0	60	11.570342	11.518550	11.595771	2.359409e-04
## 2180	2014-04-02	12:18:00.0	60	11.652589	11.591592	11.693732	5.839407e-04
## 2181	2014-04-02	12:19:00.0	60	11.782758	11.634567	11.893449	5.310418e-03
## 2182	2014-04-02	12:20:00.0	60	11.901109	11.849610	12.003681	1.877948e-03
## 2183	2014-04-02	12:21:00.0	60	11.987938	11.932834	12.029594	7.785684e-04
## 2184	2014-04-02	12:22:00.0	60	12.028947	12.014577	12.058085	7.841686e-05
## 2185	2014-04-02	12:23:00.0	60	12.118261	12.060000	12.143776	4.242509e-04
## 2186	2014-04-02	12:24:00.0	60	12.124383	12.078004	12.157232	5.498973e-04
## 2187	2014-04-02	12:25:00.0	60	12.192428	12.142586	12.226697	6.065277e-04
## 2188	2014-04-02	12:26:00.0	60	12.307541	12.224020	12.387541	2.881510e-03
## 2189	2014-04-02	12:27:00.0	60	12.398236	12.350319	12.451405	1.361707e-03
## 2190	2014-04-02	12:28:00.0	60	12.534049	12.450020	12.589040	1.589967e-03
## 2191	2014-04-02	12:29:00.0	60	12.714231	12.584919	12.768655	2.916210e-03
## 2192	2014-04-02	12:30:00.0	60	12.782958	12.726699	12.847155	1.231261e-03
## 2193	2014-04-02	12:31:00.0	60	12.904204	12.849830	12.986289	1.690343e-03
## 2194	2014-04-02	12:32:00.0	60	13.053434	12.990022	13.159481	3.046202e-03
## 2195	2014-04-02	12:33:00.0	60	13.194811	13.144164	13.284817	1.789708e-03
## 2196	2014-04-02	12:34:00.0	60	13.257131	13.222069	13.284778	3.597773e-04
## 2197	2014-04-02	12:35:00.0	60	13.309920	13.257329	13.367316	1.247844e-03
## 2198	2014-04-02	12:36:00.0	60	13.469161	13.366747	13.591847	5.073321e-03
## 2199	2014-04-02	12:37:00.0	60	13.638150	13.591906	13.710577	1.375706e-03
## 2200	2014-04-02	12:38:00.0	60	13.706292	13.645127	13.781793	1.739165e-03
## 2201	2014-04-02	12:39:00.0	60	13.813612	13.750903	13.861257	1.649968e-03
## 2202	2014-04-02	12:40:00.0	60	13.859532	13.821436	13.899416	5.212242e-04
## 2203	2014-04-02	12:41:00.0	60	13.928859	13.865713	13.962451	6.364314e-04
## 2204	2014-04-02	12:42:00.0	60	13.995397	13.917568	14.134323	4.876652e-03
## 2205	2014-04-02	12:43:00.0	60	14.225742	14.136239	14.262001	1.435792e-03
## 2206	2014-04-02	12:44:00.0	60	14.338725	14.254399	14.440006	3.249068e-03
## 2207	2014-04-02	12:45:00.0	60	14.520042	14.427949	14.614288	3.148162e-03
## 2208	2014-04-02	12:46:00.0	60	14.719304	14.619252	14.797883	3.109311e-03
## 2209	2014-04-02	12:47:00.0	60	14.944769	14.795577	15.070047	6.879131e-03
## 2210	2014-04-02	12:48:00.0	60	15.113450	15.055995	15.185938	1.630561e-03
## 2211	2014-04-02	12:49:00.0	60	15.207545	15.161525	15.270516	1.359679e-03
## 2212	2014-04-02	12:50:00.0	60	15.290030	15.268033	15.313229	1.955923e-04
## 2213	2014-04-02	12:51:00.0	60	15.343544	15.293055	15.441734	2.321225e-03
## 2214	2014-04-02	12:52:00.0	60	15.519373	15.445175	15.580432	1.388667e-03

## 2215	2014-04-02	12:53:00.0	60	15.647281	15.582738	15.738799	2.415640e-03
## 2216	2014-04-02	12:54:00.0	60	15.992776	15.741087	16.220232	2.095025e-02
## 2217	2014-04-02	12:55:00.0	60	16.370365	16.227484	16.425598	2.795250e-03
## 2218	2014-04-02	12:56:00.0	60	16.434436	16.373176	16.475618	1.353569e-03
## 2219	2014-04-02	12:57:00.0	60	16.611337	16.473957	16.706463	4.529507e-03
## 2220	2014-04-02	12:58:00.0	60	16.892496	16.702905	17.046513	1.212379e-02
## 2221	2014-04-02	12:59:00.0	60	17.049525	17.025626	17.089287	2.936164e-04
## 2222	2014-04-02	13:00:00.0	60	17.171714	17.083926	17.289329	4.139535e-03
## 2223	2014-04-02	13:01:00.0	60	17.333681	17.283109	17.384446	1.434545e-03
## 2224	2014-04-02	13:02:00.0	60	17.341972	17.289739	17.461825	2.705151e-03
## 2225	2014-04-02	13:03:00.0	60	17.384101	17.322697	17.470078	2.808866e-03
## 2226	2014-04-02	13:04:00.0	60	17.410629	17.324243	17.465384	2.035374e-03
## 2227	2014-04-02	13:05:00.0	60	17.397226	17.351997	17.443733	9.689321e-04
## 2228	2014-04-02	13:06:00.0	60	17.520172	17.425932	17.592780	1.724128e-03
## 2229	2014-04-02	13:07:00.0	60	17.537246	17.494764	17.612419	8.518362e-04
## 2230	2014-04-02	13:08:00.0	60	17.684186	17.618524	17.734247	2.274140e-03
## 2231	2014-04-02	13:09:00.0	60	17.740114	17.695672	17.808172	8.517411e-04
## 2232	2014-04-02	13:10:00.0	60	18.078945	17.816954	18.299217	2.437129e-02
## 2233	2014-04-02	13:11:00.0	60	18.258449	18.145381	18.342240	3.819320e-03
## 2234	2014-04-02	13:12:00.0	60	18.350837	18.105686	18.565093	2.768693e-02
## 2235	2014-04-02	13:13:00.0	60	18.241383	18.181240	18.344646	1.314718e-03
## 2236	2014-04-02	13:14:00.0	60	18.264494	18.161364	18.464387	8.817963e-03
## 2237	2014-04-02	13:15:00.0	60	18.660346	18.467439	18.877528	1.593479e-02
## 2238	2014-04-02	13:16:00.0	60	18.711552	18.585562	18.867235	6.982686e-03
## 2239	2014-04-02	13:17:00.0	60	18.618990	18.581022	18.709713	1.548464e-03
## 2240	2014-04-02	13:18:00.0	60	18.731852	18.680793	18.770587	8.614114e-04
## 2241	2014-04-02	13:19:00.0	60	18.777659	18.722003	18.839878	9.849996e-04
## 2242	2014-04-02	13:20:00.0	60	18.932718	18.845221	19.045525	2.795180e-03
## 2243	2014-04-02	13:21:00.0	60	19.005604	18.903418	19.121163	4.096463e-03
## 2244	2014-04-02	13:22:00.0	60	19.133933	19.001985	19.198992	3.043032e-03
## 2245	2014-04-02	13:23:00.0	60	19.066286	18.976761	19.241245	5.628910e-03
## 2246	2014-04-02	13:24:00.0	60	19.306190	19.236900	19.362153	1.537165e-03
## 2247	2014-04-02	13:25:00.0	60	19.427684	19.296807	19.531566	5.195115e-03
## 2248	2014-04-02	13:26:00.0	60	19.415376	19.379689	19.496297	7.660841e-04
## 2249	2014-04-02	13:27:00.0	60	19.557442	19.421141	19.632481	2.827420e-03
## 2250	2014-04-02	13:28:00.0	60	19.617403	19.500389	19.762370	6.611415e-03
## 2251	2014-04-02	13:29:00.0	60	19.437558	19.362232	19.523267	2.129586e-03
## 2252	2014-04-02	13:30:00.0	60	19.654490	19.507218	19.713907	3.162203e-03
## 2253	2014-04-02	13:31:00.0	60	19.907669	19.576016	20.386454	7.893365e-02
## 2254	2014-04-02	13:32:00.0	60	20.353942	20.261142	20.438373	2.161153e-03
## 2255	2014-04-02	13:33:00.0	60	20.323478	20.254642	20.392189	1.006297e-03
## 2256	2014-04-02	13:34:00.0	60	20.223520	20.139652	20.307734	2.497251e-03
## 2257	2014-04-02	13:35:00.0	60	20.262018	20.146074	20.482697	6.121748e-03
## 2258	2014-04-02	13:36:00.0	60	20.921507	20.504878	21.130490	2.563842e-02
## 2259	2014-04-02	13:37:00.0	60	20.869812	20.747262	20.970005	3.645938e-03
## 2260	2014-04-02	13:38:00.0	60	20.824853	20.714057	20.904937	2.604137e-03
## 2261	2014-04-02	13:39:00.0	60	20.767480	20.619352	20.903667	8.422479e-03
## 2262	2014-04-02	13:40:00.0	60	20.629484	20.251940	20.831199	3.128209e-02
## 2263	2014-04-02	13:41:00.0	60	20.440863	20.197363	20.640321	2.157935e-02
## 2264	2014-04-02	13:42:00.0	60	20.582622	20.464901	20.651912	3.353755e-03
## 2265	2014-04-02	13:43:00.0	60	20.603886	20.533796	20.707575	2.876732e-03
## 2266	2014-04-02	13:44:00.0	60	20.824608	20.663445	20.951991	4.603753e-03
## 2267	2014-04-02	13:45:00.0	60	20.627105	20.563163	20.751648	2.692037e-03
## 2268	2014-04-02	13:46:00.0	60	20.968958	20.583230	21.117077	1.826796e-02

## 2269	2014-04-02	13:47:00.0	60	21.024171	20.837603	21.303695	2.738552e-02
## 2270	2014-04-02	13:48:00.0	60	21.155929	21.040104	21.282722	5.601321e-03
## 2271	2014-04-02	13:49:00.0	60	21.089972	20.940085	21.244930	8.258926e-03
## 2272	2014-04-02	13:50:00.0	60	21.479373	21.204217	21.762374	3.473461e-02
## 2273	2014-04-02	13:51:00.0	60	21.320800	21.030900	21.713977	4.939200e-02
## 2274	2014-04-02	13:52:00.0	60	20.859759	20.588183	21.034935	2.301615e-02
## 2275	2014-04-02	13:53:00.0	60	20.503678	20.401783	20.686156	4.845292e-03
## 2276	2014-04-02	13:54:00.0	60	20.841066	20.706792	21.149075	8.705164e-03
## 2277	2014-04-02	13:55:00.0	60	21.267570	21.134977	21.528161	1.305568e-02
## 2278	2014-04-02	13:56:00.0	60	21.563027	21.495669	21.655869	1.642436e-03
## 2279	2014-04-02	13:57:00.0	60	21.324868	21.089938	21.557711	1.737099e-02
## 2280	2014-04-02	13:58:00.0	60	20.820133	20.623581	21.088078	1.940174e-02
## 2281	2014-04-02	13:59:00.0	60	20.635737	20.511573	20.768427	5.881769e-03
## 2282	2014-04-02	14:00:00.0	60	21.125503	20.774144	21.699013	8.235579e-02
## 2283	2014-04-02	14:01:00.0	60	21.967533	21.632425	22.265754	4.874621e-02
## 2284	2014-04-02	14:02:00.0	60	21.921047	21.785152	22.091011	9.747498e-03
## 2285	2014-04-02	14:03:00.0	60	21.894026	21.695684	22.100002	1.483486e-02
## 2286	2014-04-02	14:04:00.0	60	21.901998	21.759514	22.080729	1.107950e-02
## 2287	2014-04-02	14:05:00.0	60	21.761299	21.638440	21.858929	2.415930e-03
## 2288	2014-04-02	14:06:00.0	60	21.494721	21.290086	21.702402	2.032950e-02
## 2289	2014-04-02	14:07:00.0	60	21.818867	21.665308	21.923663	7.501065e-03
## 2290	2014-04-02	14:08:00.0	60	21.971453	21.779627	22.133221	1.567587e-02
## 2291	2014-04-02	14:09:00.0	60	21.851606	21.710216	22.117142	1.143730e-02
## 2292	2014-04-02	14:10:00.0	60	22.509106	22.153475	22.649843	1.490334e-02
## 2293	2014-04-02	14:11:00.0	60	22.492488	22.388849	22.649473	4.929512e-03
## 2294	2014-04-02	14:12:00.0	60	22.436684	22.329808	22.537161	3.619277e-03
## 2295	2014-04-02	14:13:00.0	60	22.384944	22.136885	22.584373	1.858900e-02
## 2296	2014-04-02	14:14:00.0	60	21.952229	21.613273	22.314529	4.810503e-02
## 2297	2014-04-02	14:15:00.0	60	22.363378	22.203542	22.637033	1.536012e-02
## 2298	2014-04-02	14:16:00.0	60	22.843263	22.504328	23.118994	4.707913e-02
## 2299	2014-04-02	14:17:00.0	60	23.113177	22.953512	23.284345	8.488188e-03
## 2300	2014-04-02	14:18:00.0	60	22.823529	22.735241	23.099381	8.176572e-03
## 2301	2014-04-02	14:19:00.0	60	23.057161	22.946029	23.179322	2.887237e-03
## 2302	2014-04-02	14:20:00.0	60	22.934844	22.487050	23.186590	3.478960e-02
## 2303	2014-04-02	14:21:00.0	60	22.564489	22.458762	22.672766	2.841420e-03
## 2304	2014-04-02	14:22:00.0	60	22.816679	22.573502	23.045088	2.007797e-02
## 2305	2014-04-02	14:23:00.0	60	22.800544	22.556419	23.363076	4.403017e-02
## 2306	2014-04-02	14:24:00.0	60	23.044653	22.686596	23.440065	4.798686e-02
## 2307	2014-04-02	14:25:00.0	60	22.999535	22.732498	23.411476	4.971687e-02
## 2308	2014-04-02	14:26:00.0	60	23.320091	22.863368	23.487192	3.270942e-02
## 2309	2014-04-02	14:27:00.0	60	23.370261	22.852673	23.721151	6.440451e-02
## 2310	2014-04-02	14:28:00.0	60	23.418485	23.169622	23.615251	9.339188e-03
## 2311	2014-04-02	14:29:00.0	60	23.485614	23.276527	23.655130	1.429732e-02
## 2312	2014-04-02	14:30:00.0	60	23.435904	23.259050	23.737554	1.840399e-02
## 2313	2014-04-02	14:31:00.0	60	23.807064	23.644548	23.951010	8.467984e-03
## 2314	2014-04-02	14:32:00.0	60	23.759221	23.616289	23.964671	1.293640e-02
## 2315	2014-04-02	14:33:00.0	60	23.464811	23.251093	23.805497	3.815978e-02
## 2316	2014-04-02	14:34:00.0	60	23.612864	23.326924	23.926316	2.899263e-02
## 2317	2014-04-02	14:35:00.0	60	23.387924	23.303255	23.618485	5.821499e-03
## 2318	2014-04-02	14:36:00.0	60	23.858499	23.611391	24.285079	4.310697e-02
## 2319	2014-04-02	14:37:00.0	60	24.015722	23.637690	24.270165	2.597521e-02
## 2320	2014-04-02	14:38:00.0	60	23.588821	23.434658	24.067211	3.018804e-02
## 2321	2014-04-02	14:39:00.0	60	24.225184	24.091317	24.359443	4.176280e-03
## 2322	2014-04-02	14:40:00.0	60	24.212518	23.759795	24.773689	1.226662e-01

## 2323	2014-04-02	14:41:00.0	60	23.695288	23.456487	23.977587	2.766992e-02
## 2324	2014-04-02	14:42:00.0	60	23.992335	23.750173	24.299545	2.149611e-02
## 2325	2014-04-02	14:43:00.0	60	24.168243	23.618680	24.834127	1.899767e-01
## 2326	2014-04-02	14:44:00.0	60	24.596212	24.323576	24.846281	1.047736e-02
## 2327	2014-04-02	14:45:00.0	60	24.191088	23.831327	24.479774	3.979918e-02
## 2328	2014-04-02	14:46:00.0	60	23.732150	23.629085	24.084497	1.507539e-02
## 2329	2014-04-02	14:47:00.0	60	24.262960	24.090143	24.583095	2.398600e-02
## 2330	2014-04-02	14:48:00.0	60	23.968271	23.661970	24.191256	2.300110e-02
## 2331	2014-04-02	14:49:00.0	60	23.933737	23.814610	24.036284	4.144688e-03
## 2332	2014-04-02	14:50:00.0	60	23.875662	23.678019	24.070445	1.004151e-02
## 2333	2014-04-02	14:51:00.0	60	24.219482	24.050082	24.567785	2.170452e-02
## 2334	2014-04-02	14:52:00.0	60	25.060822	24.570079	25.314484	3.328182e-02
## 2335	2014-04-02	14:53:00.0	60	24.588781	24.264930	25.016697	4.433536e-02
## 2336	2014-04-02	14:54:00.0	60	25.089803	24.442631	25.418595	6.504996e-02
## 2337	2014-04-02	14:55:00.0	60	24.096715	23.892257	24.409348	1.565190e-02
## 2338	2014-04-02	14:56:00.0	60	24.274472	23.847181	24.757969	9.325250e-02
## 2339	2014-04-02	14:57:00.0	60	24.518877	24.257837	24.772630	2.722357e-02
## 2340	2014-04-02	14:58:00.0	60	24.749202	24.329788	25.029147	3.872852e-02
## 2341	2014-04-02	14:59:00.0	60	24.426823	24.027229	25.185301	1.425456e-01
## 2342	2014-04-02	15:00:00.0	60	25.640101	25.209415	26.091668	6.848861e-02
## 2343	2014-04-02	15:01:00.0	60	25.439826	25.025031	25.895077	7.203199e-02
## 2344	2014-04-02	15:02:00.0	60	25.162938	25.018912	25.348247	6.215274e-03
## 2345	2014-04-02	15:03:00.0	60	25.291567	25.049419	25.523965	2.423154e-02
## 2346	2014-04-02	15:04:00.0	60	25.268917	24.815208	25.750556	8.456410e-02
## 2347	2014-04-02	15:05:00.0	60	24.682573	24.432652	24.963119	2.927386e-02
## 2348	2014-04-02	15:06:00.0	60	25.545706	24.491967	26.596431	4.752552e-01
## 2349	2014-04-02	15:07:00.0	60	25.865132	25.209613	26.559931	2.092407e-01
## 2350	2014-04-02	15:08:00.0	60	25.224931	25.022345	25.468063	1.939252e-02
## 2351	2014-04-02	15:09:00.0	60	25.533174	25.204142	25.941415	6.230204e-02
## 2352	2014-04-02	15:10:00.0	60	25.654795	25.371226	25.909353	2.210870e-02
## 2353	2014-04-02	15:11:00.0	60	25.555907	25.414185	25.664925	3.431551e-03
## 2354	2014-04-02	15:12:00.0	60	25.302852	25.037480	25.516122	2.157551e-02
## 2355	2014-04-02	15:13:00.0	60	25.596722	25.318308	25.791147	1.900437e-02
## 2356	2014-04-02	15:14:00.0	60	25.322493	25.169500	25.543944	7.534829e-03
## 2357	2014-04-02	15:15:00.0	60	25.107264	24.780277	25.556571	6.596832e-02
## 2358	2014-04-02	15:16:00.0	60	25.091549	24.798468	25.381853	2.753124e-02
## 2359	2014-04-02	15:17:00.0	60	25.054672	24.674873	25.449300	5.085774e-02
## 2360	2014-04-02	15:18:00.0	60	25.509622	24.716468	26.047172	1.386180e-01
## 2361	2014-04-02	15:19:00.0	60	25.651606	25.413537	25.808835	9.952839e-03
## 2362	2014-04-02	15:20:00.0	60	25.213844	24.953573	25.591140	3.591177e-02
## 2363	2014-04-02	15:21:00.0	60	25.366188	25.184458	25.560691	9.053976e-03
## 2364	2014-04-02	15:22:00.0	60	25.661567	25.182536	25.985792	6.687791e-02
## 2365	2014-04-02	15:23:00.0	60	25.321151	24.719410	25.976811	2.049866e-01
## 2366	2014-04-02	15:24:00.0	60	25.836889	25.049242	26.125735	1.127609e-01
## 2367	2014-04-02	15:25:00.0	60	25.887306	25.639159	26.267994	3.231446e-02
## 2368	2014-04-02	15:26:00.0	60	26.177782	26.029642	26.405065	1.786000e-02
## 2369	2014-04-02	15:27:00.0	60	25.700371	25.451711	26.040289	2.538799e-02
## 2370	2014-04-02	15:28:00.0	60	25.664178	25.240039	25.839855	2.185373e-02
## 2371	2014-04-02	15:29:00.0	60	25.820477	25.018424	26.731063	4.135744e-01
## 2372	2014-04-02	15:30:00.0	60	27.149225	26.745244	27.552448	3.788271e-02
## 2373	2014-04-02	15:31:00.0	60	26.625940	25.988968	27.599613	2.416897e-01
## 2374	2014-04-02	15:32:00.0	60	26.300369	25.882056	26.949714	1.020604e-01
## 2375	2014-04-02	15:33:00.0	60	26.806489	26.073863	27.206810	1.242162e-01
## 2376	2014-04-02	15:34:00.0	60	26.121536	25.953572	26.399181	1.412249e-02

## 2377	2014-04-02	15:35:00.0	60	26.392533	26.054996	26.876490	7.096339e-02
## 2378	2014-04-02	15:36:00.0	60	26.548498	26.179920	26.870093	4.305705e-02
## 2379	2014-04-02	15:37:00.0	60	26.518556	26.144795	26.982748	6.096786e-02
## 2380	2014-04-02	15:38:00.0	60	26.649754	26.287803	26.941337	2.954156e-02
## 2381	2014-04-02	15:39:00.0	60	25.402225	24.805545	26.304571	2.715800e-01
## 2382	2014-04-02	15:40:00.0	60	25.909510	25.119095	26.632698	2.010514e-01
## 2383	2014-04-02	15:41:00.0	60	26.505260	26.340344	26.628089	5.675448e-03
## 2384	2014-04-02	15:42:00.0	60	26.207484	25.634394	26.687833	1.743164e-01
## 2385	2014-04-02	15:43:00.0	60	26.491643	25.781481	26.939749	1.117622e-01
## 2386	2014-04-02	15:44:00.0	60	26.460468	26.225300	26.873940	3.171474e-02
## 2387	2014-04-02	15:45:00.0	60	26.641604	26.252599	27.031316	4.955200e-02
## 2388	2014-04-02	15:46:00.0	60	26.464262	26.210651	26.934079	4.688577e-02
## 2389	2014-04-02	15:47:00.0	60	26.480184	26.125832	26.702484	1.734202e-02
## 2390	2014-04-02	15:48:00.0	60	25.953932	25.532572	26.282174	6.145094e-02
## 2391	2014-04-02	15:49:00.0	60	26.794810	25.809717	27.515032	3.354097e-01
## 2392	2014-04-02	15:50:00.0	60	26.873780	26.215514	27.619075	2.760004e-01
## 2393	2014-04-02	15:51:00.0	60	26.249287	25.953081	26.518094	3.632560e-02
## 2394	2014-04-02	15:52:00.0	60	26.356988	26.085708	26.663314	2.023476e-02
## 2395	2014-04-02	15:53:00.0	60	27.354571	26.670965	27.952688	1.236584e-01
## 2396	2014-04-02	15:54:00.0	60	27.993869	27.743643	28.202601	2.213572e-02
## 2397	2014-04-02	15:55:00.0	60	27.835185	27.302348	28.093123	5.998764e-02
## 2398	2014-04-02	15:56:00.0	60	27.050628	26.784554	27.249890	2.387628e-02
## 2399	2014-04-02	15:57:00.0	60	26.783474	26.524606	27.043596	2.521532e-02
## 2400	2014-04-02	15:58:00.0	60	27.175413	26.931295	27.500063	2.991164e-02
## 2401	2014-04-02	15:59:00.0	60	26.878090	26.606375	27.229193	4.368540e-02
## 2402	2014-04-02	16:00:00.0	60	26.938419	26.681282	27.249046	2.082572e-02
## 2403	2014-04-02	16:01:00.0	60	27.209648	27.007286	27.454077	1.919856e-02
## 2404	2014-04-02	16:02:00.0	60	26.272944	25.799873	27.035261	1.917475e-01
## 2405	2014-04-02	16:03:00.0	60	26.231184	25.997479	26.428404	1.876353e-02
## 2406	2014-04-02	16:04:00.0	60	27.124385	26.396808	27.486213	1.445423e-01
## 2407	2014-04-02	16:05:00.0	60	26.621274	25.884095	27.269607	1.384309e-01
## 2408	2014-04-02	16:06:00.0	60	26.454661	25.891744	26.894457	1.333570e-01
## 2409	2014-04-02	16:07:00.0	60	27.153760	26.740675	27.655726	1.264051e-01
## 2410	2014-04-02	16:08:00.0	60	27.952487	27.396986	28.510974	1.378121e-01
## 2411	2014-04-02	16:09:00.0	60	27.097070	26.701505	27.988517	1.586037e-01
## 2412	2014-04-02	16:10:00.0	60	26.681150	26.510230	26.859462	8.508237e-03
## 2413	2014-04-02	16:11:00.0	60	26.940960	26.598884	27.322651	5.591862e-02
## 2414	2014-04-02	16:12:00.0	60	26.952059	26.473258	27.375504	9.901729e-02
## 2415	2014-04-02	16:13:00.0	60	26.466166	26.243677	26.817527	2.011230e-02
## 2416	2014-04-02	16:14:00.0	60	26.688281	26.546789	26.781944	6.130113e-03
## 2417	2014-04-02	16:15:00.0	60	27.069733	26.627245	27.267133	2.771000e-02
## 2418	2014-04-02	16:16:00.0	60	27.846708	27.322672	28.320617	1.036482e-01
## 2419	2014-04-02	16:17:00.0	60	28.421304	28.304386	28.605862	9.143581e-03
## 2420	2014-04-02	16:18:00.0	60	28.062414	27.743309	28.426743	4.969035e-02
## 2421	2014-04-02	16:19:00.0	60	27.305703	26.699975	28.023503	2.179432e-01
## 2422	2014-04-02	16:20:00.0	60	26.926903	26.451664	27.288576	7.817487e-02
## 2423	2014-04-02	16:21:00.0	60	27.094736	26.447448	28.033040	1.921011e-01
## 2424	2014-04-02	16:22:00.0	60	27.987949	27.484212	28.370481	3.545449e-02
## 2425	2014-04-02	16:23:00.0	60	27.032890	26.762585	27.441325	3.148166e-02
## 2426	2014-04-02	16:24:00.0	60	27.144623	26.730613	27.446640	4.588695e-02
## 2427	2014-04-02	16:25:00.0	60	27.557354	27.356357	27.842002	1.604348e-02
## 2428	2014-04-02	16:26:00.0	60	27.688098	27.502771	27.828287	8.382363e-03
## 2429	2014-04-02	16:27:00.0	60	27.338086	27.069470	27.629259	3.412990e-02
## 2430	2014-04-02	16:28:00.0	60	26.822360	26.576209	27.039989	2.087636e-02

## 2431	2014-04-02	16:29:00.0	60	27.000345	26.743028	27.401753	3.970428e-02
## 2432	2014-04-02	16:30:00.0	60	27.068826	26.819468	27.263425	1.990091e-02
## 2433	2014-04-02	16:31:00.0	60	27.802199	26.951853	28.465797	2.742916e-01
## 2434	2014-04-02	16:32:00.0	60	27.790221	27.448407	28.426822	1.054603e-01
## 2435	2014-04-02	16:33:00.0	60	27.269010	26.824430	27.535298	4.925345e-02
## 2436	2014-04-02	16:34:00.0	60	26.883777	26.619674	27.377525	6.249858e-02
## 2437	2014-04-02	16:35:00.0	60	27.692811	27.262268	28.278346	8.014091e-02
## 2438	2014-04-02	16:36:00.0	60	27.707976	27.206183	28.284998	1.211121e-01
## 2439	2014-04-02	16:37:00.0	60	27.949697	27.194843	28.393617	1.445685e-01
## 2440	2014-04-02	16:38:00.0	60	27.240629	26.697502	28.654123	3.246756e-01
## 2441	2014-04-02	16:39:00.0	60	28.446989	28.140669	28.833370	4.025689e-02
## 2442	2014-04-02	16:40:00.0	60	28.899527	28.502771	29.284408	8.454151e-02
## 2443	2014-04-02	16:41:00.0	60	28.569694	27.661944	29.408018	4.248148e-01
## 2444	2014-04-02	16:42:00.0	60	27.345826	27.118768	27.642402	3.008892e-02
## 2445	2014-04-02	16:43:00.0	60	27.711735	27.163104	28.157153	8.869386e-02
## 2446	2014-04-02	16:44:00.0	60	27.316261	27.151096	27.582700	1.777351e-02
## 2447	2014-04-02	16:45:00.0	60	28.173636	27.421746	28.588141	8.174530e-02
## 2448	2014-04-02	16:46:00.0	60	28.301993	27.581013	28.785755	1.761194e-01
## 2449	2014-04-02	16:47:00.0	60	26.968607	26.551594	27.538870	1.222010e-01
## 2450	2014-04-02	16:48:00.0	60	26.661688	26.506130	26.990829	1.992375e-02
## 2451	2014-04-02	16:49:00.0	60	27.058303	26.596511	27.321319	5.804824e-02
## 2452	2014-04-02	16:50:00.0	60	26.614050	26.218691	27.137227	1.039176e-01
## 2453	2014-04-02	16:51:00.0	60	27.193582	26.478476	27.649369	9.533125e-02
## 2454	2014-04-02	16:52:00.0	60	27.921374	27.470694	28.330172	8.420739e-02
## 2455	2014-04-02	16:53:00.0	60	27.423687	27.229998	27.492804	4.706576e-03
## 2456	2014-04-02	16:54:00.0	60	26.941431	26.655959	27.222719	2.946386e-02
## 2457	2014-04-02	16:55:00.0	60	26.561031	26.514192	26.649820	1.116546e-03
## 2458	2014-04-02	16:56:00.0	60	26.652668	26.483459	26.812544	1.066828e-02
## 2459	2014-04-02	16:57:00.0	60	26.745665	26.656057	26.852479	3.932523e-03
## 2460	2014-04-02	16:58:00.0	60	27.215046	26.894613	27.453018	1.385423e-02
## 2461	2014-04-02	16:59:00.0	60	27.709991	27.411483	27.871336	2.077708e-02
## 2462	2014-04-02	17:00:00.0	60	27.517886	27.351196	27.712487	1.193820e-02
## 2463	2014-04-02	17:01:00.0	60	27.653594	27.386353	27.950549	4.139156e-02
## 2464	2014-04-02	17:02:00.0	60	26.894096	26.555440	27.519800	7.470269e-02
## 2465	2014-04-02	17:03:00.0	60	27.609515	27.029316	27.901318	6.852630e-02
## 2466	2014-04-02	17:04:00.0	60	27.051042	26.912464	27.553291	2.812888e-02
## 2467	2014-04-02	17:05:00.0	60	27.152284	27.003443	27.316354	8.812757e-03
## 2468	2014-04-02	17:06:00.0	60	27.239449	27.045795	27.492274	2.442942e-02
## 2469	2014-04-02	17:07:00.0	60	27.454770	27.144251	28.025800	7.652825e-02
## 2470	2014-04-02	17:08:00.0	60	27.465790	26.430031	28.324423	4.529560e-01
## 2471	2014-04-02	17:09:00.0	60	26.682906	26.330282	27.191313	9.845501e-02
## 2472	2014-04-02	17:10:00.0	60	26.833758	26.482183	27.252597	7.815299e-02
## 2473	2014-04-02	17:11:00.0	60	26.545062	26.413085	26.641583	5.112887e-03
## 2474	2014-04-02	17:12:00.0	60	27.244725	26.492225	28.022482	2.722726e-01
## 2475	2014-04-02	17:13:00.0	60	27.728252	27.462082	28.044891	2.828093e-02
## 2476	2014-04-02	17:14:00.0	60	27.800205	27.535260	28.009630	1.186099e-02
## 2477	2014-04-02	17:15:00.0	60	27.435118	26.983984	27.893274	8.103428e-02
## 2478	2014-04-02	17:16:00.0	60	27.624775	27.540223	27.743564	2.143675e-03
## 2479	2014-04-02	17:17:00.0	60	27.112617	26.845692	27.606950	6.608051e-02
## 2480	2014-04-02	17:18:00.0	60	26.591417	26.335814	26.851813	2.746785e-02
## 2481	2014-04-02	17:19:00.0	60	27.205265	26.578209	27.969797	1.348993e-01
## 2482	2014-04-02	17:20:00.0	60	28.389058	27.991616	28.623604	2.963572e-02
## 2483	2014-04-02	17:21:00.0	60	28.426750	28.192907	28.661402	2.008809e-02
## 2484	2014-04-02	17:22:00.0	60	28.772690	28.370794	29.055555	3.271687e-02



## 2485	2014-04-02	17:23:00.0	60	27.745144	27.365833	28.338984	1.034869e-01
## 2486	2014-04-02	17:24:00.0	60	27.441484	27.266858	27.696811	2.461093e-02
## 2487	2014-04-02	17:25:00.0	60	27.681306	27.433770	27.818026	7.625254e-03
## 2488	2014-04-02	17:26:00.0	60	28.002751	27.766030	28.212609	1.660425e-02
## 2489	2014-04-02	17:27:00.0	60	27.636763	27.437537	27.843710	1.878234e-02
## 2490	2014-04-02	17:28:00.0	60	27.994859	27.811550	28.327150	1.813438e-02
## 2491	2014-04-02	17:29:00.0	60	28.136294	27.847889	28.341397	3.409356e-02
## 2492	2014-04-02	17:30:00.0	60	28.060940	27.835920	28.234605	1.135660e-02
## 2493	2014-04-02	17:31:00.0	60	28.054995	27.738130	28.326522	3.136461e-02
## 2494	2014-04-02	17:32:00.0	60	27.675930	27.334775	28.019853	4.925612e-02
## 2495	2014-04-02	17:33:00.0	60	27.282210	27.137640	27.506399	1.611958e-02
## 2496	2014-04-02	17:34:00.0	60	27.543974	27.406304	27.996071	2.533348e-02
## 2497	2014-04-02	17:35:00.0	60	28.326546	28.015221	28.572439	2.527880e-02
## 2498	2014-04-02	17:36:00.0	60	28.231013	28.086942	28.390675	1.021554e-02
## 2499	2014-04-02	17:37:00.0	60	28.092353	27.812905	28.240611	8.931688e-03
## 2500	2014-04-02	17:38:00.0	60	27.261940	26.959209	27.789145	4.894735e-02
## 2501	2014-04-02	17:39:00.0	60	26.828466	26.561656	26.951383	1.501727e-02
## 2502	2014-04-02	17:40:00.0	60	26.594677	26.552576	26.637482	6.732551e-04
## 2503	2014-04-02	17:41:00.0	60	26.529582	26.410576	26.730986	7.927460e-03
## 2504	2014-04-02	17:42:00.0	60	27.300552	26.752425	28.074168	1.817063e-01
## 2505	2014-04-02	17:43:00.0	60	27.840724	27.490824	28.078445	2.590543e-02
## 2506	2014-04-02	17:44:00.0	60	27.829009	27.373622	28.252836	8.794845e-02
## 2507	2014-04-02	17:45:00.0	60	27.957269	27.557352	28.385826	1.026027e-01
## 2508	2014-04-02	17:46:00.0	60	28.703936	28.141199	29.261481	1.755556e-01
## 2509	2014-04-02	17:47:00.0	60	28.986249	28.327505	29.273062	8.231276e-02
## 2510	2014-04-02	17:48:00.0	60	27.783957	27.386607	28.316475	1.260525e-01
## 2511	2014-04-02	17:49:00.0	60	27.488184	27.426238	27.546621	1.561937e-03
## 2512	2014-04-02	17:50:00.0	60	27.307028	27.063664	27.530945	2.461077e-02
## 2513	2014-04-02	17:51:00.0	60	27.250327	27.020312	27.513934	2.740948e-02
## 2514	2014-04-02	17:52:00.0	60	27.064477	26.913151	27.221484	9.758449e-03
## 2515	2014-04-02	17:53:00.0	60	27.628977	26.975294	28.049286	1.058991e-01
## 2516	2014-04-02	17:54:00.0	60	27.539457	27.351590	27.871573	2.436053e-02
## 2517	2014-04-02	17:55:00.0	60	27.845853	27.714056	28.009944	8.974177e-03
## 2518	2014-04-02	17:56:00.0	60	27.745688	27.513816	27.994265	2.512748e-02
## 2519	2014-04-02	17:57:00.0	60	27.472716	27.149155	27.729221	2.594732e-02
## 2520	2014-04-02	17:58:00.0	60	27.216137	27.104271	27.366342	5.800211e-03
## 2521	2014-04-02	17:59:00.0	60	27.736271	27.375152	28.325462	1.164672e-01
## 2522	2014-04-02	18:00:00.0	60	28.095638	27.766424	28.442816	4.874569e-02
## 2523	2014-04-02	18:01:00.0	60	27.847704	27.520388	28.522631	9.132245e-02
## 2524	2014-04-02	18:02:00.0	60	28.789061	28.546631	29.380240	4.607847e-02
## 2525	2014-04-02	18:03:00.0	60	28.920720	28.400663	29.384068	7.283404e-02
## 2526	2014-04-02	18:04:00.0	60	28.746440	28.349070	29.013648	6.393064e-02
## 2527	2014-04-02	18:05:00.0	60	29.395213	28.901731	29.804103	8.851247e-02
## 2528	2014-04-02	18:06:00.0	60	29.744560	29.433714	30.111034	4.914852e-02
## 2529	2014-04-02	18:07:00.0	60	30.282454	30.030535	30.627166	2.766650e-02
## 2530	2014-04-02	18:08:00.0	60	29.303516	28.636869	30.285215	3.193505e-01
## 2531	2014-04-02	18:09:00.0	60	28.587698	28.387123	28.758337	9.904194e-03
## 2532	2014-04-02	18:10:00.0	60	28.982656	28.392362	29.668581	1.542911e-01
## 2533	2014-04-02	18:11:00.0	60	29.541963	29.005856	29.957104	1.502659e-01
## 2534	2014-04-02	18:12:00.0	60	28.822752	28.549793	29.073729	1.625147e-02
## 2535	2014-04-02	18:13:00.0	60	28.584875	28.447997	28.732803	7.737114e-03
## 2536	2014-04-02	18:14:00.0	60	28.791343	28.590104	29.021459	2.182567e-02
## 2537	2014-04-02	18:15:00.0	60	28.745330	28.360925	29.041776	6.218403e-02
## 2538	2014-04-02	18:16:00.0	60	28.494868	28.384630	28.747993	7.648641e-03

## 2539	2014-04-02	18:17:00.0	60	29.246579	28.710664	29.855384	1.928093e-01
## 2540	2014-04-02	18:18:00.0	60	29.115003	28.420464	29.617146	1.582915e-01
## 2541	2014-04-02	18:19:00.0	60	28.019498	27.798288	28.405902	3.401537e-02
## 2542	2014-04-02	18:20:00.0	60	28.311044	28.232879	28.501299	2.710708e-03
## 2543	2014-04-02	18:21:00.0	60	28.794194	28.541903	28.936353	1.091077e-02
## 2544	2014-04-02	18:22:00.0	60	29.036765	28.469370	29.437620	8.020627e-02
## 2545	2014-04-02	18:23:00.0	60	28.229392	27.917408	28.642601	5.855879e-02
## 2546	2014-04-02	18:24:00.0	60	28.387138	28.084273	28.707722	3.788422e-02
## 2547	2014-04-02	18:25:00.0	60	29.584540	28.726130	30.236148	3.108424e-01
## 2548	2014-04-02	18:26:00.0	60	29.391021	28.983775	30.064363	9.149990e-02
## 2549	2014-04-02	18:27:00.0	60	29.257709	29.129182	29.519265	1.406367e-02
## 2550	2014-04-02	18:28:00.0	60	29.247443	29.142331	29.417499	5.587774e-03
## 2551	2014-04-02	18:29:00.0	60	29.705826	29.203181	30.037445	7.224746e-02
## 2552	2014-04-02	18:30:00.0	60	29.100946	28.974176	29.299208	9.892486e-03
## 2553	2014-04-02	18:31:00.0	60	30.150670	29.240459	30.878594	2.787591e-01
## 2554	2014-04-02	18:32:00.0	60	29.691775	28.961084	30.761566	2.774678e-01
## 2555	2014-04-02	18:33:00.0	60	29.260351	28.849150	29.608274	8.158205e-02
## 2556	2014-04-02	18:34:00.0	60	29.648684	29.509114	29.810091	8.523087e-03
## 2557	2014-04-02	18:35:00.0	60	29.676741	29.339765	30.096759	4.971933e-02
## 2558	2014-04-02	18:36:00.0	60	30.480084	30.099842	30.851826	5.062172e-02
## 2559	2014-04-02	18:37:00.0	60	29.557553	29.145452	30.445228	1.384694e-01
## 2560	2014-04-02	18:38:00.0	60	30.018557	29.409412	30.410336	8.503012e-02
## 2561	2014-04-02	18:39:00.0	60	30.583350	30.361108	30.887804	2.922132e-02
## 2562	2014-04-02	18:40:00.0	60	30.428684	29.739864	30.777966	7.766389e-02
## 2563	2014-04-02	18:41:00.0	60	29.267208	29.020165	29.693495	2.166002e-02
## 2564	2014-04-02	18:42:00.0	60	28.783623	28.331448	28.993726	3.354622e-02
## 2565	2014-04-02	18:43:00.0	60	28.421209	28.260861	28.637068	7.029171e-03
## 2566	2014-04-02	18:44:00.0	60	28.988497	28.652767	29.753961	8.661483e-02
## 2567	2014-04-02	18:45:00.0	60	30.131551	29.716247	30.850215	1.602086e-01
## 2568	2014-04-02	18:46:00.0	60	30.918852	30.643405	31.154708	2.312336e-02
## 2569	2014-04-02	18:47:00.0	60	30.913780	30.756972	31.050045	4.614343e-03
## 2570	2014-04-02	18:48:00.0	60	30.613989	30.357808	30.861116	3.017131e-02
## 2571	2014-04-02	18:49:00.0	60	30.359750	29.923295	30.713257	5.657781e-02
## 2572	2014-04-02	18:50:00.0	60	29.906230	29.790457	30.035363	4.766947e-03
## 2573	2014-04-02	18:51:00.0	60	29.761489	28.799631	30.344397	2.512053e-01
## 2574	2014-04-02	18:52:00.0	60	28.848187	28.623133	29.172953	4.060150e-02
## 2575	2014-04-02	18:53:00.0	60	29.084603	28.736690	29.779444	7.736652e-02
## 2576	2014-04-02	18:54:00.0	60	29.759199	29.619678	30.021108	1.804382e-02
## 2577	2014-04-02	18:55:00.0	60	30.553713	30.007621	30.781049	4.694381e-02
## 2578	2014-04-02	18:56:00.0	60	30.394115	29.938784	30.866635	7.258319e-02
## 2579	2014-04-02	18:57:00.0	60	31.042385	30.657212	31.368876	4.172873e-02
## 2580	2014-04-02	18:58:00.0	60	30.820370	30.484090	31.259022	6.909857e-02
## 2581	2014-04-02	18:59:00.0	60	30.742894	30.026765	31.407728	2.205489e-01
## 2582	2014-04-02	19:00:00.0	60	30.106614	29.783566	30.411574	4.274990e-02
## 2583	2014-04-02	19:01:00.0	60	30.382770	29.999334	30.744068	5.325614e-02
## 2584	2014-04-02	19:02:00.0	60	30.428528	29.784685	30.749371	9.444362e-02
## 2585	2014-04-02	19:03:00.0	60	29.553442	29.275928	30.178204	6.491995e-02
## 2586	2014-04-02	19:04:00.0	60	30.643394	30.224582	30.895993	2.904169e-02
## 2587	2014-04-02	19:05:00.0	60	30.832746	30.535402	31.211372	4.934218e-02
## 2588	2014-04-02	19:06:00.0	60	30.936611	30.252542	31.284084	1.273062e-01
## 2589	2014-04-02	19:07:00.0	60	29.658818	29.490858	30.211151	3.477852e-02
## 2590	2014-04-02	19:08:00.0	60	29.520127	29.374095	29.785470	1.763653e-02
## 2591	2014-04-02	19:09:00.0	60	30.014218	29.627866	30.515607	7.371888e-02
## 2592	2014-04-02	19:10:00.0	60	30.855436	30.535538	31.046294	2.034726e-02

## 2593	2014-04-02	19:11:00.0	60	30.674513	30.420605	30.950572	2.822252e-02
## 2594	2014-04-02	19:12:00.0	60	30.094114	29.844998	30.420154	3.270717e-02
## 2595	2014-04-02	19:13:00.0	60	29.438089	28.716710	30.041961	2.059091e-01
## 2596	2014-04-02	19:14:00.0	60	28.319015	28.056881	28.680302	2.575213e-02
## 2597	2014-04-02	19:15:00.0	60	28.843701	28.486208	29.046152	2.952525e-02
## 2598	2014-04-02	19:16:00.0	60	28.562774	28.220731	29.069705	8.494197e-02
## 2599	2014-04-02	19:17:00.0	60	28.749389	28.194221	28.934647	5.026368e-02
## 2600	2014-04-02	19:18:00.0	60	29.108139	28.658948	29.604051	1.157238e-01
## 2601	2014-04-02	19:19:00.0	60	29.273708	28.982812	29.739159	4.598142e-02
## 2602	2014-04-02	19:20:00.0	60	30.672290	29.783998	31.376733	2.210966e-01
## 2603	2014-04-02	19:21:00.0	60	30.960613	30.476883	31.504586	1.061820e-01
## 2604	2014-04-02	19:22:00.0	60	31.474774	31.273891	31.662397	1.199825e-02
## 2605	2014-04-02	19:23:00.0	60	31.291559	30.752593	31.644384	5.707294e-02
## 2606	2014-04-02	19:24:00.0	60	30.816493	30.632762	31.293905	2.101009e-02
## 2607	2014-04-02	19:25:00.0	60	31.600450	31.349745	31.845521	2.344258e-02
## 2608	2014-04-02	19:26:00.0	60	30.826212	30.433173	31.367208	7.453676e-02
## 2609	2014-04-02	19:27:00.0	60	30.909106	30.641560	31.285008	4.943881e-02
## 2610	2014-04-02	19:28:00.0	60	30.533891	30.135637	31.338216	1.044633e-01
## 2611	2014-04-02	19:29:00.0	60	31.905210	30.978734	32.359405	1.541972e-01
## 2612	2014-04-02	19:30:00.0	60	30.712883	30.436392	31.204401	3.595430e-02
## 2613	2014-04-02	19:31:00.0	60	31.429945	31.244430	31.789827	2.611611e-02
## 2614	2014-04-02	19:32:00.0	60	31.802347	31.660355	31.998103	7.108827e-03
## 2615	2014-04-02	19:33:00.0	60	31.207623	30.985785	31.777118	4.989864e-02
## 2616	2014-04-02	19:34:00.0	60	30.493424	30.029101	30.962414	1.129239e-01
## 2617	2014-04-02	19:35:00.0	60	30.859592	30.452044	31.290702	5.305436e-02
## 2618	2014-04-02	19:36:00.0	60	31.538960	31.127330	31.938009	5.436781e-02
## 2619	2014-04-02	19:37:00.0	60	30.588150	30.075458	31.246649	1.834158e-01
## 2620	2014-04-02	19:38:00.0	60	30.259700	29.964230	30.579701	4.071841e-02
## 2621	2014-04-02	19:39:00.0	60	30.058736	29.637209	30.551563	6.655764e-02
## 2622	2014-04-02	19:40:00.0	60	30.770487	30.541842	31.109457	2.886677e-02
## 2623	2014-04-02	19:41:00.0	60	30.833763	30.325470	31.165373	5.167715e-02
## 2624	2014-04-02	19:42:00.0	60	30.526676	30.233142	31.352260	1.171839e-01
## 2625	2014-04-02	19:43:00.0	60	31.506838	31.242424	31.982465	5.083810e-02
## 2626	2014-04-02	19:44:00.0	60	31.326898	30.561146	31.734629	1.887169e-01
## 2627	2014-04-02	19:45:00.0	60	31.081804	30.704380	31.339630	3.170178e-02
## 2628	2014-04-02	19:46:00.0	60	31.045357	30.856186	31.334759	1.968042e-02
## 2629	2014-04-02	19:47:00.0	60	31.061851	30.759801	31.272790	2.468782e-02
## 2630	2014-04-02	19:48:00.0	60	30.859784	30.499976	31.220743	7.043266e-02
## 2631	2014-04-02	19:49:00.0	60	30.605338	30.352447	30.846287	2.716391e-02
## 2632	2014-04-02	19:50:00.0	60	31.042817	30.449354	31.678682	1.706557e-01
## 2633	2014-04-02	19:51:00.0	60	31.019191	30.432859	31.799944	2.730642e-01
## 2634	2014-04-02	19:52:00.0	60	31.065793	30.565130	31.590385	9.058660e-02
## 2635	2014-04-02	19:53:00.0	60	31.065312	30.745327	31.323877	3.209320e-02
## 2636	2014-04-02	19:54:00.0	60	30.809849	30.526427	31.078720	2.835926e-02
## 2637	2014-04-02	19:55:00.0	60	30.216402	29.628965	30.516451	5.806092e-02
## 2638	2014-04-02	19:56:00.0	60	29.722007	29.239437	30.268036	9.781004e-02
## 2639	2014-04-02	19:57:00.0	60	30.139034	29.839893	30.286669	2.046715e-02
## 2640	2014-04-02	19:58:00.0	60	30.154449	29.830469	30.478652	5.936792e-02
## 2641	2014-04-02	19:59:00.0	60	29.918740	29.668187	30.316732	3.591161e-02
## 2642	2014-04-02	20:00:00.0	60	29.628559	29.370956	29.916540	2.375983e-02
## 2643	2014-04-02	20:01:00.0	60	29.560316	29.444019	29.721077	5.675707e-03
## 2644	2014-04-02	20:02:00.0	60	29.656449	29.588505	29.791831	2.982563e-03
## 2645	2014-04-02	20:03:00.0	60	29.697243	29.567166	30.014219	1.038627e-02
## 2646	2014-04-02	20:04:00.0	60	30.232344	30.050245	30.457719	1.737723e-02

## 2647	2014-04-02	20:05:00.0	60	30.439664	30.336876	30.581706	4.998793e-03
## 2648	2014-04-02	20:06:00.0	60	30.370762	30.079835	30.547419	1.147837e-02
## 2649	2014-04-02	20:07:00.0	60	30.270257	29.920449	30.926828	9.061986e-02
## 2650	2014-04-02	20:08:00.0	60	31.473930	30.959801	31.752876	3.856219e-02
## 2651	2014-04-02	20:09:00.0	60	30.865446	30.568744	31.478127	1.004128e-01
## 2652	2014-04-02	20:10:00.0	60	30.883867	30.590581	31.052344	1.708707e-02
## 2653	2014-04-02	20:11:00.0	60	30.628463	30.479496	30.942538	2.100366e-02
## 2654	2014-04-02	20:12:00.0	60	30.375632	30.019891	30.756187	5.550004e-02
## 2655	2014-04-02	20:13:00.0	60	30.446254	30.016437	30.611141	3.584954e-02
## 2656	2014-04-02	20:14:00.0	60	31.115515	30.585690	31.653303	1.574166e-01
## 2657	2014-04-02	20:15:00.0	60	31.287887	31.205953	31.391897	1.672447e-03
## 2658	2014-04-02	20:16:00.0	60	31.242783	31.024182	31.611032	3.008498e-02
## 2659	2014-04-02	20:17:00.0	60	31.542196	31.253247	31.703021	8.876470e-03
## 2660	2014-04-02	20:18:00.0	60	31.414881	31.148561	31.561001	1.498941e-02
## 2661	2014-04-02	20:19:00.0	60	31.431170	31.005542	31.634976	3.475631e-02
## 2662	2014-04-02	20:20:00.0	60	30.634484	30.383787	31.034785	6.051610e-02
## 2663	2014-04-02	20:21:00.0	60	30.491310	30.314727	30.735507	1.922064e-02
## 2664	2014-04-02	20:22:00.0	60	30.380893	30.052484	30.717479	4.849822e-02
## 2665	2014-04-02	20:23:00.0	60	30.425188	29.918936	30.721546	7.893571e-02
## 2666	2014-04-02	20:24:00.0	60	30.656255	30.523717	30.764159	3.819459e-03
## 2667	2014-04-02	20:25:00.0	60	30.523687	30.402519	30.696938	5.887559e-03
## 2668	2014-04-02	20:26:00.0	60	30.579546	30.183801	30.885624	4.864146e-02
## 2669	2014-04-02	20:27:00.0	60	31.632059	30.918972	32.514172	3.132610e-01
## 2670	2014-04-02	20:28:00.0	60	31.954917	31.243132	32.586010	1.933365e-01
## 2671	2014-04-02	20:29:00.0	60	30.899053	30.670329	31.268961	3.396648e-02
## 2672	2014-04-02	20:30:00.0	60	30.335793	30.021286	30.710802	3.256463e-02
## 2673	2014-04-02	20:31:00.0	60	30.813754	30.561617	31.144063	3.388739e-02
## 2674	2014-04-02	20:32:00.0	60	31.012058	30.829516	31.210862	9.009184e-03
## 2675	2014-04-02	20:33:00.0	60	30.345967	29.915148	30.852119	6.985636e-02
## 2676	2014-04-02	20:34:00.0	60	30.428404	29.828702	31.004973	2.022864e-01
## 2677	2014-04-02	20:35:00.0	60	31.193972	31.028481	31.383865	1.109266e-02
## 2678	2014-04-02	20:36:00.0	60	31.132337	30.937689	31.269963	1.082338e-02
## 2679	2014-04-02	20:37:00.0	60	30.959769	30.588146	31.595710	8.087351e-02
## 2680	2014-04-02	20:38:00.0	60	32.100506	31.586495	32.443517	5.851866e-02
## 2681	2014-04-02	20:39:00.0	60	31.961815	31.524995	32.253662	2.940481e-02
## 2682	2014-04-02	20:40:00.0	60	31.621014	31.446954	31.800436	8.621774e-03
## 2683	2014-04-02	20:41:00.0	60	31.724512	31.099049	32.128101	1.027290e-01
## 2684	2014-04-02	20:42:00.0	60	31.185255	30.934015	31.465733	3.177532e-02
## 2685	2014-04-02	20:43:00.0	60	31.539859	31.369054	31.771067	1.450839e-02
## 2686	2014-04-02	20:44:00.0	60	31.022088	30.547262	31.360864	5.412290e-02
## 2687	2014-04-02	20:45:00.0	60	30.166614	29.960854	30.526172	2.951993e-02
## 2688	2014-04-02	20:46:00.0	60	30.439146	30.227251	30.768697	1.917971e-02
## 2689	2014-04-02	20:47:00.0	60	31.546642	30.845386	31.903080	7.194957e-02
## 2690	2014-04-02	20:48:00.0	60	30.379110	29.857013	31.152646	1.491766e-01
## 2691	2014-04-02	20:49:00.0	60	30.641072	29.915127	31.087166	8.807332e-02
## 2692	2014-04-02	20:50:00.0	60	30.970944	30.597337	31.140135	1.800328e-02
## 2693	2014-04-02	20:51:00.0	60	30.629022	30.378820	30.868460	1.865385e-02
## 2694	2014-04-02	20:52:00.0	60	30.467485	30.248970	30.695937	2.196685e-02
## 2695	2014-04-02	20:53:00.0	60	30.337160	30.039213	30.556981	2.521361e-02
## 2696	2014-04-02	20:54:00.0	60	30.379913	30.174827	30.533083	1.286339e-02
## 2697	2014-04-02	20:55:00.0	60	30.338772	29.939628	30.646939	6.786078e-02
## 2698	2014-04-02	20:56:00.0	60	30.416623	30.054074	30.708977	3.830297e-02
## 2699	2014-04-02	20:57:00.0	60	30.761919	30.586300	30.919443	9.341351e-03
## 2700	2014-04-02	20:58:00.0	60	30.433132	29.903660	30.906029	1.286213e-01

## 2701	2014-04-02	20:59:00.0	60	30.585452	29.924216	30.929871	1.046490e-01
## 2702	2014-04-02	21:00:00.0	60	30.768162	30.621118	30.957327	9.789893e-03
## 2703	2014-04-02	21:01:00.0	60	31.118999	30.672547	31.689625	8.067143e-02
## 2704	2014-04-02	21:02:00.0	60	31.575893	31.283986	31.817860	2.190129e-02
## 2705	2014-04-02	21:03:00.0	60	31.882044	31.724216	32.010244	6.110551e-03
## 2706	2014-04-02	21:04:00.0	60	31.535810	31.280018	31.874241	3.526113e-02
## 2707	2014-04-02	21:05:00.0	60	31.136905	30.926414	31.345345	1.701949e-02
## 2708	2014-04-02	21:06:00.0	60	30.954512	30.826198	31.106100	5.370103e-03
## 2709	2014-04-02	21:07:00.0	60	30.584916	30.461860	30.813176	8.702258e-03
## 2710	2014-04-02	21:08:00.0	60	30.579209	30.389030	30.788197	9.417004e-03
## 2711	2014-04-02	21:09:00.0	60	30.347570	30.118613	30.481400	1.392950e-02
## 2712	2014-04-02	21:10:00.0	60	30.371126	30.209246	30.510541	7.266473e-03
## 2713	2014-04-02	21:11:00.0	60	30.194397	29.999334	30.365172	9.581033e-03
## 2714	2014-04-02	21:12:00.0	60	30.293449	30.130374	30.440770	9.238063e-03
## 2715	2014-04-02	21:13:00.0	60	30.882036	30.466084	31.438921	9.683122e-02
## 2716	2014-04-02	21:14:00.0	60	31.081374	30.848958	31.479581	3.963308e-02
## 2717	2014-04-02	21:15:00.0	60	31.049718	30.836330	31.297362	2.352170e-02
## 2718	2014-04-02	21:16:00.0	60	31.417201	31.241286	31.555401	6.859992e-03
## 2719	2014-04-02	21:17:00.0	60	30.428874	30.009780	31.206010	1.297616e-01
## 2720	2014-04-02	21:18:00.0	60	30.272737	29.921998	30.568430	5.515354e-02
## 2721	2014-04-02	21:19:00.0	60	30.398811	30.294719	30.567194	4.976192e-03
## 2722	2014-04-02	21:20:00.0	60	31.007378	30.580231	31.276208	3.187787e-02
## 2723	2014-04-02	21:21:00.0	60	31.015715	30.737353	31.230719	2.638545e-02
## 2724	2014-04-02	21:22:00.0	60	31.029535	30.803732	31.283239	2.351397e-02
## 2725	2014-04-02	21:23:00.0	60	31.119354	30.916614	31.429256	2.539798e-02
## 2726	2014-04-02	21:24:00.0	60	31.042987	30.732207	31.508180	6.646228e-02
## 2727	2014-04-02	21:25:00.0	60	31.225471	30.984449	31.397299	1.908159e-02
## 2728	2014-04-02	21:26:00.0	60	31.065600	30.772604	31.252717	1.732405e-02
## 2729	2014-04-02	21:27:00.0	60	31.173152	30.829653	31.371510	1.814403e-02
## 2730	2014-04-02	21:28:00.0	60	30.568600	30.482008	30.815475	5.892944e-03
## 2731	2014-04-02	21:29:00.0	60	30.332346	30.066739	30.585062	3.012711e-02
## 2732	2014-04-02	21:30:00.0	60	30.640300	30.191928	30.955638	7.051404e-02
## 2733	2014-04-02	21:31:00.0	60	31.087002	30.821130	31.217520	8.905359e-03
## 2734	2014-04-02	21:32:00.0	60	30.515531	30.438318	30.777435	4.402960e-03
## 2735	2014-04-02	21:33:00.0	60	30.414390	30.243885	30.735723	2.030884e-02
## 2736	2014-04-02	21:34:00.0	60	31.244794	30.737569	31.579170	5.161051e-02
## 2737	2014-04-02	21:35:00.0	60	30.730470	30.448036	31.070964	3.614111e-02
## 2738	2014-04-02	21:36:00.0	60	30.484858	30.271412	30.878731	3.292178e-02
## 2739	2014-04-02	21:37:00.0	60	30.697957	30.307914	31.038597	3.404606e-02
## 2740	2014-04-02	21:38:00.0	60	31.088988	30.920130	31.223884	8.769279e-03
## 2741	2014-04-02	21:39:00.0	60	30.813590	30.462470	31.084612	3.068140e-02
## 2742	2014-04-02	21:40:00.0	60	30.452022	30.288514	30.673472	1.404272e-02
## 2743	2014-04-02	21:41:00.0	60	30.492369	30.212075	30.632762	1.561781e-02
## 2744	2014-04-02	21:42:00.0	60	30.537144	30.290733	30.670308	8.975690e-03
## 2745	2014-04-02	21:43:00.0	60	30.091382	29.961775	30.375384	1.028793e-02
## 2746	2014-04-02	21:44:00.0	60	30.141128	29.994368	30.281995	7.450302e-03
## 2747	2014-04-02	21:45:00.0	60	30.625000	30.075458	31.065738	1.059710e-01
## 2748	2014-04-02	21:46:00.0	60	30.722113	30.350857	30.887864	2.081600e-02
## 2749	2014-04-02	21:47:00.0	60	29.839852	29.287509	30.329770	8.932646e-02
## 2750	2014-04-02	21:48:00.0	60	29.387447	29.257831	29.562570	1.179452e-02
## 2751	2014-04-02	21:49:00.0	60	29.552191	29.422308	29.722845	9.716393e-03
## 2752	2014-04-02	21:50:00.0	60	30.014311	29.527962	30.399770	9.060422e-02
## 2753	2014-04-02	21:51:00.0	60	30.052786	29.585010	30.332833	6.407179e-02
## 2754	2014-04-02	21:52:00.0	60	29.595425	29.491211	29.840698	7.149617e-03

## 2755	2014-04-02	21:53:00.0	60	29.894856	29.722904	30.070115	7.366863e-03
## 2756	2014-04-02	21:54:00.0	60	29.504962	29.385404	29.709122	7.028622e-03
## 2757	2014-04-02	21:55:00.0	60	29.151848	29.039890	29.414653	1.078169e-02
## 2758	2014-04-02	21:56:00.0	60	29.003708	28.935568	29.072532	1.688558e-03
## 2759	2014-04-02	21:57:00.0	60	28.996474	28.849739	29.208638	1.486816e-02
## 2760	2014-04-02	21:58:00.0	60	29.633552	29.232411	29.914559	4.835794e-02
## 2761	2014-04-02	21:59:00.0	60	29.640001	29.540035	29.800550	3.354359e-03
## 2762	2014-04-02	22:00:00.0	60	29.576044	29.350620	29.801708	1.276321e-02
## 2763	2014-04-02	22:01:00.0	60	29.320236	29.267957	29.362162	1.087519e-03
## 2764	2014-04-02	22:02:00.0	60	29.107891	28.913802	29.330008	1.780048e-02
## 2765	2014-04-02	22:03:00.0	60	28.947597	28.883144	28.993255	9.909192e-04
## 2766	2014-04-02	22:04:00.0	60	29.051818	28.890957	29.354389	2.110373e-02
## 2767	2014-04-02	22:05:00.0	60	29.716833	29.370113	29.988850	3.605469e-02
## 2768	2014-04-02	22:06:00.0	60	29.233866	29.116246	29.466909	8.922298e-03
## 2769	2014-04-02	22:07:00.0	60	29.239740	29.174759	29.390606	3.570329e-03
## 2770	2014-04-02	22:08:00.0	60	29.157675	28.817726	29.402599	2.727910e-02
## 2771	2014-04-02	22:09:00.0	60	28.923415	28.733549	29.252374	2.168238e-02
## 2772	2014-04-02	22:10:00.0	60	29.355228	29.217686	29.552697	1.408347e-02
## 2773	2014-04-02	22:11:00.0	60	29.047095	28.955529	29.216176	4.763046e-03
## 2774	2014-04-02	22:12:00.0	60	28.910806	28.792487	28.990193	2.182065e-03
## 2775	2014-04-02	22:13:00.0	60	28.652575	28.562744	28.779455	3.671376e-03
## 2776	2014-04-02	22:14:00.0	60	28.857013	28.705718	29.113948	1.809043e-02
## 2777	2014-04-02	22:15:00.0	60	29.524191	29.140762	29.731738	2.031879e-02
## 2778	2014-04-02	22:16:00.0	60	29.306336	29.094516	29.646516	2.303918e-02
## 2779	2014-04-02	22:17:00.0	60	29.286374	29.062344	29.622053	3.582693e-02
## 2780	2014-04-02	22:18:00.0	60	29.464357	29.349246	29.631949	7.696636e-03
## 2781	2014-04-02	22:19:00.0	60	29.471472	29.394944	29.536049	1.530343e-03
## 2782	2014-04-02	22:20:00.0	60	29.086499	28.912996	29.388388	1.785647e-02
## 2783	2014-04-02	22:21:00.0	60	28.903571	28.856392	28.974215	8.188118e-04
## 2784	2014-04-02	22:22:00.0	60	28.732727	28.606706	28.949327	1.078639e-02
## 2785	2014-04-02	22:23:00.0	60	28.617542	28.475039	28.758945	9.558826e-03
## 2786	2014-04-02	22:24:00.0	60	28.677863	28.490817	28.819180	1.672652e-02
## 2787	2014-04-02	22:25:00.0	60	28.972186	28.695297	29.200140	2.415571e-02
## 2788	2014-04-02	22:26:00.0	60	28.548351	28.444681	28.683795	6.460433e-03
## 2789	2014-04-02	22:27:00.0	60	28.535161	28.479808	28.584195	1.120208e-03
## 2790	2014-04-02	22:28:00.0	60	28.407192	28.305624	28.588532	7.144172e-03
## 2791	2014-04-02	22:29:00.0	60	28.610238	28.558899	28.704403	1.926431e-03
## 2792	2014-04-02	22:30:00.0	60	28.656059	28.585666	28.703284	1.528909e-03
## 2793	2014-04-02	22:31:00.0	60	28.876041	28.671039	29.102114	1.317176e-02
## 2794	2014-04-02	22:32:00.0	60	28.933144	28.769484	29.136267	1.218560e-02
## 2795	2014-04-02	22:33:00.0	60	29.123339	29.082484	29.170205	6.043393e-04
## 2796	2014-04-02	22:34:00.0	60	29.103954	28.982028	29.221654	5.197451e-03
## 2797	2014-04-02	22:35:00.0	60	29.060091	28.934117	29.165474	5.948967e-03
## 2798	2014-04-02	22:36:00.0	60	28.939215	28.780613	29.132282	1.694404e-02
## 2799	2014-04-02	22:37:00.0	60	28.864685	28.530716	29.166338	3.646823e-02
## 2800	2014-04-02	22:38:00.0	60	28.493406	28.350816	28.598464	6.273277e-03
## 2801	2014-04-02	22:39:00.0	60	28.220517	28.120674	28.347755	5.236500e-03
## 2802	2014-04-02	22:40:00.0	60	28.082935	28.038495	28.119594	5.314141e-04
## 2803	2014-04-02	22:41:00.0	60	28.034003	27.993854	28.101718	1.206606e-03
## 2804	2014-04-02	22:42:00.0	60	28.117703	28.085430	28.182446	9.493811e-04
## 2805	2014-04-02	22:43:00.0	60	28.155238	28.117181	28.186765	3.908415e-04
## 2806	2014-04-02	22:44:00.0	60	28.219997	28.184548	28.279465	8.290227e-04
## 2807	2014-04-02	22:45:00.0	60	28.256077	28.199028	28.303229	6.304663e-04
## 2808	2014-04-02	22:46:00.0	60	28.182439	28.060667	28.253659	3.556419e-03

## 2809	2014-04-02	22:47:00.0	60	28.180343	28.047247	28.316985	7.344667e-03
## 2810	2014-04-02	22:48:00.0	60	28.397024	28.322736	28.480948	2.170953e-03
## 2811	2014-04-02	22:49:00.0	60	28.260863	28.144084	28.386827	5.899740e-03
## 2812	2014-04-02	22:50:00.0	60	28.088410	28.011397	28.187842	3.229547e-03
## 2813	2014-04-02	22:51:00.0	60	28.137394	28.077817	28.185291	1.354553e-03
## 2814	2014-04-02	22:52:00.0	60	28.045159	27.976154	28.130584	1.827223e-03
## 2815	2014-04-02	22:53:00.0	60	27.916807	27.838548	27.974624	1.724838e-03
## 2816	2014-04-02	22:54:00.0	60	27.795445	27.772722	27.835488	2.900425e-04
## 2817	2014-04-02	22:55:00.0	60	27.746823	27.712958	27.801093	8.894675e-04
## 2818	2014-04-02	22:56:00.0	60	27.766005	27.733107	27.780098	1.283381e-04
## 2819	2014-04-02	22:57:00.0	60	27.813536	27.769013	27.853598	9.524335e-04
## 2820	2014-04-02	22:58:00.0	60	27.828788	27.800484	27.869513	4.799937e-04
## 2821	2014-04-02	22:59:00.0	60	27.759556	27.707246	27.818535	9.062844e-04
## 2822	2014-04-02	23:00:00.0	60	27.650726	27.618309	27.728458	1.108056e-03
## 2823	2014-04-02	23:01:00.0	60	27.527096	27.407130	27.626512	5.431104e-03
## 2824	2014-04-02	23:02:00.0	60	27.489382	27.388628	27.568260	3.415082e-03
## 2825	2014-04-02	23:03:00.0	60	27.403905	27.357103	27.476207	1.146236e-03
## 2826	2014-04-02	23:04:00.0	60	27.269202	27.233667	27.350217	1.264751e-03
## 2827	2014-04-02	23:05:00.0	60	27.203217	27.057033	27.249576	2.944570e-03
## 2828	2014-04-02	23:06:00.0	60	27.029829	26.967840	27.070393	8.193349e-04
## 2829	2014-04-02	23:07:00.0	60	26.916547	26.864543	26.969663	1.141194e-03
## 2830	2014-04-02	23:08:00.0	60	26.876220	26.823921	26.940062	1.182177e-03
## 2831	2014-04-02	23:09:00.0	60	26.479128	25.911352	26.859933	1.072335e-01
## 2832	2014-04-02	23:10:00.0	60	25.468927	25.109723	25.885704	4.218653e-02
## 2833	2014-04-02	23:11:00.0	60	24.884390	24.739639	25.100547	1.032508e-02
## 2834	2014-04-02	23:12:00.0	60	25.187970	24.970961	25.299368	9.680182e-03
## 2835	2014-04-02	23:13:00.0	60	24.860402	24.713704	25.203202	2.545951e-02
## 2836	2014-04-02	23:14:00.0	60	24.707648	24.455960	24.831285	1.836525e-02
## 2837	2014-04-02	23:15:00.0	60	24.214054	24.112582	24.445629	8.870244e-03
## 2838	2014-04-02	23:16:00.0	60	23.990920	23.727482	24.248663	3.714141e-02
## 2839	2014-04-02	23:17:00.0	60	23.516882	23.331902	23.723660	1.680791e-02
## 2840	2014-04-02	23:18:00.0	60	23.417126	23.328121	23.589266	8.271237e-03
## 2841	2014-04-02	23:19:00.0	60	23.422589	23.212082	23.595381	1.697709e-02
## 2842	2014-04-02	23:20:00.0	60	23.233384	23.177853	23.292653	1.410351e-03
## 2843	2014-04-02	23:21:00.0	60	23.259067	23.090878	23.362606	8.196420e-03
## 2844	2014-04-02	23:22:00.0	60	22.961406	22.877808	23.094327	5.904550e-03
## 2845	2014-04-02	23:23:00.0	60	22.767459	22.608959	22.888837	9.329808e-03
## 2846	2014-04-02	23:24:00.0	60	22.487052	22.405500	22.606666	4.529345e-03
## 2847	2014-04-02	23:25:00.0	60	22.226208	22.111637	22.398624	8.654567e-03
## 2848	2014-04-02	23:26:00.0	60	22.160519	22.131891	22.186990	2.512646e-04
## 2849	2014-04-02	23:27:00.0	60	22.076692	22.005396	22.130479	2.193679e-03
## 2850	2014-04-02	23:28:00.0	60	21.917353	21.774496	22.041182	8.521028e-03
## 2851	2014-04-02	23:29:00.0	60	21.734753	21.706281	21.769913	4.823211e-04
## 2852	2014-04-02	23:30:00.0	60	21.591638	21.425052	21.719206	7.685793e-03
## 2853	2014-04-02	23:31:00.0	60	21.413712	21.376719	21.456932	5.147928e-04
## 2854	2014-04-02	23:32:00.0	60	21.437912	21.377581	21.463493	4.385425e-04
## 2855	2014-04-02	23:33:00.0	60	21.257609	21.154380	21.371845	4.206987e-03
## 2856	2014-04-02	23:34:00.0	60	21.110019	21.068574	21.151698	5.246877e-04
## 2857	2014-04-02	23:35:00.0	60	20.986631	20.917764	21.065913	1.910581e-03
## 2858	2014-04-02	23:36:00.0	60	20.870144	20.797308	20.914318	7.798198e-04
## 2859	2014-04-02	23:37:00.0	60	20.751686	20.729757	20.792335	3.132835e-04
## 2860	2014-04-02	23:38:00.0	60	20.687351	20.658628	20.727840	4.299610e-04
## 2861	2014-04-02	23:39:00.0	60	20.614169	20.586284	20.659801	6.484317e-04
## 2862	2014-04-02	23:40:00.0	60	20.651305	20.617356	20.672078	2.116503e-04

## 2863	2014-04-02	23:41:00.0	60	20.545657	20.512964	20.616591	7.248714e-04
## 2864	2014-04-02	23:42:00.0	60	20.474331	20.333340	20.558600	5.844136e-03
## 2865	2014-04-02	23:43:00.0	60	20.297993	20.240078	20.376918	1.960118e-03
## 2866	2014-04-02	23:44:00.0	60	20.197331	20.023080	20.372515	1.158788e-02
## 2867	2014-04-02	23:45:00.0	60	19.930980	19.860336	20.016581	1.935358e-03
## 2868	2014-04-02	23:46:00.0	60	19.789402	19.736317	19.857655	1.857545e-03
## 2869	2014-04-02	23:47:00.0	60	19.793578	19.734146	19.848594	1.841274e-03
## 2870	2014-04-02	23:48:00.0	60	19.895075	19.834755	19.927164	6.198516e-04
## 2871	2014-04-02	23:49:00.0	60	20.189426	19.908275	20.345908	1.635792e-02
## 2872	2014-04-02	23:50:00.0	60	20.330501	20.292287	20.402722	5.981841e-04
## 2873	2014-04-02	23:51:00.0	60	20.647752	20.414175	20.788693	1.239542e-02
## 2874	2014-04-02	23:52:00.0	60	20.741296	20.694869	20.819746	2.010639e-03
## 2875	2014-04-02	23:53:00.0	60	20.722494	20.544818	20.815321	5.610663e-03
## 2876	2014-04-02	23:54:00.0	60	20.339182	20.152220	20.543291	1.951162e-02
## 2877	2014-04-02	23:55:00.0	60	20.113555	20.022416	20.188083	3.339462e-03
## 2878	2014-04-02	23:56:00.0	60	19.808213	19.609620	20.063504	1.821392e-02
## 2879	2014-04-02	23:57:00.0	60	19.815137	19.511330	20.158190	6.894567e-02
## 2880	2014-04-02	23:58:00.0	60	20.232840	20.160677	20.301078	1.591524e-03
## 2881	2014-04-02	23:59:00.0	60	20.644843	20.044456	21.396088	3.138614e-01
## 2882	2014-04-03	00:00:00.0	60	21.256130	21.169734	21.377327	3.286199e-03
## 2883	2014-04-03	00:00:00.0	60	21.256130	21.169734	21.377327	3.286199e-03
## 2884	2014-04-03	00:01:00.0	60	21.304620	21.261105	21.353787	5.068633e-04
## 2885	2014-04-03	00:02:00.0	60	21.095124	20.764726	21.359134	2.721576e-02
## 2886	2014-04-03	00:03:00.0	60	21.048575	20.755898	21.332658	4.238726e-02
## 2887	2014-04-03	00:04:00.0	60	21.813066	21.330055	22.216451	1.222099e-01
## 2888	2014-04-03	00:05:00.0	60	22.348955	22.228321	22.485661	3.111162e-03
## 2889	2014-04-03	00:06:00.0	60	22.735179	22.496355	22.888308	1.541787e-02
## 2890	2014-04-03	00:07:00.0	60	23.042904	22.830083	23.270219	2.218438e-02
## 2891	2014-04-03	00:08:00.0	60	23.027263	22.971342	23.115426	1.583982e-03
## 2892	2014-04-03	00:09:00.0	60	23.192294	23.093248	23.262969	1.923332e-03
## 2893	2014-04-03	00:10:00.0	60	22.668021	22.441210	23.074498	3.909804e-02
## 2894	2014-04-03	00:11:00.0	60	22.743974	22.494730	23.011701	2.798904e-02
## 2895	2014-04-03	00:12:00.0	60	22.691494	22.148951	23.031647	8.899050e-02
## 2896	2014-04-03	00:13:00.0	60	21.912847	21.771990	22.141683	1.120452e-02
## 2897	2014-04-03	00:14:00.0	60	21.662443	21.602756	21.785111	2.649485e-03
## 2898	2014-04-03	00:15:00.0	60	21.765340	21.622106	22.132340	2.331112e-02
## 2899	2014-04-03	00:16:00.0	60	22.301405	22.123391	22.607021	2.177201e-02
## 2900	2014-04-03	00:17:00.0	60	22.094905	21.916788	22.583197	4.488997e-02
## 2901	2014-04-03	00:18:00.0	60	22.080842	21.938684	22.388223	1.861945e-02
## 2902	2014-04-03	00:19:00.0	60	22.341551	22.123801	22.500882	1.526455e-02
## 2903	2014-04-03	00:20:00.0	60	22.146488	21.990355	22.223738	4.480093e-03
## 2904	2014-04-03	00:21:00.0	60	21.901565	21.805891	22.084880	8.857744e-03
## 2905	2014-04-03	00:22:00.0	60	21.928061	21.857029	22.025375	1.556387e-03
## 2906	2014-04-03	00:23:00.0	60	22.117046	21.881571	22.309006	1.989075e-02
## 2907	2014-04-03	00:24:00.0	60	21.994071	21.884821	22.116338	4.079719e-03
## 2908	2014-04-03	00:25:00.0	60	22.147800	21.879964	22.529738	5.682753e-02
## 2909	2014-04-03	00:26:00.0	60	22.347352	22.228595	22.531638	7.759026e-03
## 2910	2014-04-03	00:27:00.0	60	22.223272	22.086331	22.374276	5.949848e-03
## 2911	2014-04-03	00:28:00.0	60	22.343735	22.255413	22.408635	2.066739e-03
## 2912	2014-04-03	00:29:00.0	60	22.428715	22.259467	22.522900	5.008971e-03
## 2913	2014-04-03	00:30:00.0	60	22.339831	22.109796	22.483563	1.833689e-02
## 2914	2014-04-03	00:31:00.0	60	21.792665	21.640965	22.089915	2.408135e-02
## 2915	2014-04-03	00:32:00.0	60	21.592354	21.255679	21.954316	5.815128e-02
## 2916	2014-04-03	00:33:00.0	60	22.103276	21.893185	22.384187	2.281657e-02



## 2917	2014-04-03	00:34:00.0	60	22.380358	22.092323	22.541354	1.631223e-02
## 2918	2014-04-03	00:35:00.0	60	22.256869	22.012487	22.413511	1.951912e-02
## 2919	2014-04-03	00:36:00.0	60	22.172319	21.865511	22.358290	2.208297e-02
## 2920	2014-04-03	00:37:00.0	60	21.944615	21.762548	22.295802	2.269886e-02
## 2921	2014-04-03	00:38:00.0	60	22.232447	22.098906	22.319328	3.910128e-03
## 2922	2014-04-03	00:39:00.0	60	21.743390	21.461378	22.089347	4.107009e-02
## 2923	2014-04-03	00:40:00.0	60	21.352997	21.156965	21.560337	2.203526e-02
## 2924	2014-04-03	00:41:00.0	60	21.746663	21.262396	22.092187	1.035673e-01
## 2925	2014-04-03	00:42:00.0	60	21.874588	21.701521	22.071209	9.975801e-03
## 2926	2014-04-03	00:43:00.0	60	21.854277	21.658062	22.018559	1.461263e-02
## 2927	2014-04-03	00:44:00.0	60	21.608751	21.357979	21.901765	3.878184e-02
## 2928	2014-04-03	00:45:00.0	60	21.874173	21.472013	22.022163	1.720319e-02
## 2929	2014-04-03	00:46:00.0	60	21.693271	21.536365	21.887232	8.877491e-03
## 2930	2014-04-03	00:47:00.0	60	21.255332	20.877233	21.717191	9.782068e-02
## 2931	2014-04-03	00:48:00.0	60	21.040698	20.791454	21.527024	5.187340e-02
## 2932	2014-04-03	00:49:00.0	60	21.477197	21.255425	21.586756	1.399659e-02
## 2933	2014-04-03	00:50:00.0	60	21.213210	21.158923	21.270034	1.278903e-03
## 2934	2014-04-03	00:51:00.0	60	21.147316	20.920074	21.261338	1.132187e-02
## 2935	2014-04-03	00:52:00.0	60	20.660313	20.486240	20.923500	2.200984e-02
## 2936	2014-04-03	00:53:00.0	60	20.700199	20.503331	20.865014	7.822104e-03
## 2937	2014-04-03	00:54:00.0	60	20.330678	20.202452	20.552041	6.107553e-03
## 2938	2014-04-03	00:55:00.0	60	20.276813	20.072802	20.673017	2.760690e-02
## 2939	2014-04-03	00:56:00.0	60	20.482613	20.288548	20.739802	2.527763e-02
## 2940	2014-04-03	00:57:00.0	60	20.014093	19.656558	20.287589	4.167848e-02
## 2941	2014-04-03	00:58:00.0	60	19.890611	19.660373	20.018383	9.128741e-03
## 2942	2014-04-03	00:59:00.0	60	19.763417	19.442200	20.006167	4.339633e-02
## 2943	2014-04-03	01:00:00.0	60	19.382569	19.258878	19.479994	4.068679e-03
## 2944	2014-04-03	01:01:00.0	60	20.084266	19.415251	20.625657	1.436303e-01
## 2945	2014-04-03	01:02:00.0	60	20.824630	20.652793	20.929041	5.825914e-03
## 2946	2014-04-03	01:03:00.0	60	20.363554	19.794372	20.780763	7.343002e-02
## 2947	2014-04-03	01:04:00.0	60	19.526367	19.270542	19.774505	2.878217e-02
## 2948	2014-04-03	01:05:00.0	60	19.411501	19.223359	19.564936	1.065148e-02
## 2949	2014-04-03	01:06:00.0	60	19.561766	19.478430	19.624633	1.805648e-03
## 2950	2014-04-03	01:07:00.0	60	19.600790	19.380571	19.870006	2.991575e-02
## 2951	2014-04-03	01:08:00.0	60	19.629450	19.402548	19.895922	2.760492e-02
## 2952	2014-04-03	01:09:00.0	60	19.905068	19.636103	20.290075	5.018665e-02
## 2953	2014-04-03	01:10:00.0	60	19.419694	19.077093	19.680671	5.024928e-02
## 2954	2014-04-03	01:11:00.0	60	19.301185	19.042199	19.573607	3.679758e-02
## 2955	2014-04-03	01:12:00.0	60	19.138004	19.023061	19.303656	5.471796e-03
## 2956	2014-04-03	01:13:00.0	60	19.110200	18.903123	19.257626	1.239121e-02
## 2957	2014-04-03	01:14:00.0	60	19.880347	19.261813	20.302956	6.684745e-02
## 2958	2014-04-03	01:15:00.0	60	20.209996	20.029559	20.381188	1.142050e-02
## 2959	2014-04-03	01:16:00.0	60	19.941163	19.779946	20.030285	4.494054e-03
## 2960	2014-04-03	01:17:00.0	60	19.411951	19.123687	19.768086	5.492534e-02
## 2961	2014-04-03	01:18:00.0	60	19.051245	18.978090	19.253045	5.082465e-03
## 2962	2014-04-03	01:19:00.0	60	19.415340	19.027111	19.903244	8.372811e-02
## 2963	2014-04-03	01:20:00.0	60	19.938687	19.877249	20.018657	1.792614e-03
## 2964	2014-04-03	01:21:00.0	60	19.631473	19.344617	19.887819	3.492073e-02
## 2965	2014-04-03	01:22:00.0	60	19.394436	19.182925	19.600010	1.612900e-02
## 2966	2014-04-03	01:23:00.0	60	20.134250	19.611090	20.480857	7.508308e-02
## 2967	2014-04-03	01:24:00.0	60	20.142103	20.009651	20.352996	7.851287e-03
## 2968	2014-04-03	01:25:00.0	60	19.656313	19.567227	20.000040	1.511767e-02
## 2969	2014-04-03	01:26:00.0	60	19.570235	19.345715	19.755753	2.326979e-02
## 2970	2014-04-03	01:27:00.0	60	19.020083	18.560574	19.327766	3.906222e-02

## 2971	2014-04-03	01:28:00.0	60	18.187441	17.923864	18.540324	2.562702e-02
## 2972	2014-04-03	01:29:00.0	60	18.508089	18.221134	18.717697	3.239498e-02
## 2973	2014-04-03	01:30:00.0	60	18.863532	18.589886	18.985918	8.549916e-03
## 2974	2014-04-03	01:31:00.0	60	18.966127	18.575642	19.460285	8.498221e-02
## 2975	2014-04-03	01:32:00.0	60	19.296236	19.206919	19.459836	6.461854e-03
## 2976	2014-04-03	01:33:00.0	60	19.768920	19.229443	20.226432	1.475925e-01
## 2977	2014-04-03	01:34:00.0	60	19.744572	19.404603	20.206406	7.509947e-02
## 2978	2014-04-03	01:35:00.0	60	18.679503	18.308215	19.371744	1.068768e-01
## 2979	2014-04-03	01:36:00.0	60	18.391736	18.294442	18.452744	2.968098e-03
## 2980	2014-04-03	01:37:00.0	60	18.711748	18.450829	19.082238	2.363737e-02
## 2981	2014-04-03	01:38:00.0	60	19.151884	18.965742	19.248076	5.774048e-03
## 2982	2014-04-03	01:39:00.0	60	18.464149	18.240228	18.945118	3.986287e-02
## 2983	2014-04-03	01:40:00.0	60	18.851142	18.453098	18.985782	1.812019e-02
## 2984	2014-04-03	01:41:00.0	60	18.945716	18.700752	19.010283	6.006170e-03
## 2985	2014-04-03	01:42:00.0	60	18.727777	18.564839	19.038892	1.721680e-02
## 2986	2014-04-03	01:43:00.0	60	19.366505	19.046151	19.556814	3.272723e-02
## 2987	2014-04-03	01:44:00.0	60	19.938369	19.554369	20.193389	3.267264e-02
## 2988	2014-04-03	01:45:00.0	60	19.984420	19.906885	20.181232	5.958486e-03
## 2989	2014-04-03	01:46:00.0	60	20.011530	19.962868	20.071999	1.074235e-03
## 2990	2014-04-03	01:47:00.0	60	19.974874	19.787953	20.093649	8.474370e-03
## 2991	2014-04-03	01:48:00.0	60	19.622787	19.496318	19.780690	9.162689e-03
## 2992	2014-04-03	01:49:00.0	60	19.959484	19.661117	20.142746	2.487350e-02
## 2993	2014-04-03	01:50:00.0	60	19.827099	19.636493	20.094512	2.012803e-02
## 2994	2014-04-03	01:51:00.0	60	19.537414	19.441848	19.659180	6.120983e-03
## 2995	2014-04-03	01:52:00.0	60	19.587317	19.458720	19.691533	6.287717e-03
## 2996	2014-04-03	01:53:00.0	60	19.297772	18.998561	19.676248	5.518798e-02
## 2997	2014-04-03	01:54:00.0	60	19.127220	19.033372	19.221127	5.577417e-03
## 2998	2014-04-03	01:55:00.0	60	19.004615	18.944805	19.170284	3.684270e-03
## 2999	2014-04-03	01:56:00.0	60	18.735519	18.476479	18.937543	2.145926e-02
## 3000	2014-04-03	01:57:00.0	60	18.394730	18.128457	18.481252	1.170735e-02
## 3001	2014-04-03	01:58:00.0	60	18.303471	18.135852	18.422965	6.720476e-03
## 3002	2014-04-03	01:59:00.0	60	18.394233	18.261005	18.738771	1.738616e-02
## 3003	2014-04-03	02:00:00.0	60	19.022129	18.746402	19.237546	2.286238e-02
## 3004	2014-04-03	02:01:00.0	60	19.113396	19.060223	19.223553	2.139905e-03
## 3005	2014-04-03	02:02:00.0	60	19.145477	18.855747	19.311151	2.028909e-02
## 3006	2014-04-03	02:03:00.0	60	18.752119	18.565016	18.845044	3.282930e-03
## 3007	2014-04-03	02:04:00.0	60	17.857679	17.466127	18.538660	1.291949e-01
## 3008	2014-04-03	02:05:00.0	60	17.419185	17.325748	17.478215	2.451439e-03
## 3009	2014-04-03	02:06:00.0	60	17.402480	17.322815	17.489952	3.751746e-03
## 3010	2014-04-03	02:07:00.0	60	17.148319	16.857259	17.413062	2.660275e-02
## 3011	2014-04-03	02:08:00.0	60	16.845442	16.779622	16.920506	1.764731e-03
## 3012	2014-04-03	02:09:00.0	60	16.846491	16.745770	17.007300	7.246000e-03
## 3013	2014-04-03	02:10:00.0	60	17.079259	16.907795	17.194527	6.366424e-03
## 3014	2014-04-03	02:11:00.0	60	16.610476	16.441399	16.905877	1.811179e-02
## 3015	2014-04-03	02:12:00.0	60	16.815576	16.756722	16.891248	1.856282e-03
## 3016	2014-04-03	02:13:00.0	60	16.728295	16.690038	16.825715	1.559967e-03
## 3017	2014-04-03	02:14:00.0	60	16.938952	16.825579	17.040530	6.100008e-03
## 3018	2014-04-03	02:15:00.0	60	16.917327	16.824443	16.982112	2.151612e-03
## 3019	2014-04-03	02:16:00.0	60	16.865048	16.790183	16.941392	2.596298e-03
## 3020	2014-04-03	02:17:00.0	60	16.630903	16.365705	16.837665	2.284489e-02
## 3021	2014-04-03	02:18:00.0	60	16.473643	16.345840	16.672360	1.138489e-02
## 3022	2014-04-03	02:19:00.0	60	16.680139	16.508078	16.762961	4.539654e-03
## 3023	2014-04-03	02:20:00.0	60	16.370229	16.283249	16.495094	3.833218e-03
## 3024	2014-04-03	02:21:00.0	60	16.437440	16.305385	16.589758	7.781290e-03

## 3025	2014-04-03	02:22:00.0	60	16.445864	16.371669	16.573744	3.705003e-03
## 3026	2014-04-03	02:23:00.0	60	16.437547	16.347990	16.509857	3.719946e-03
## 3027	2014-04-03	02:24:00.0	60	16.378254	16.267080	16.497890	5.912195e-03
## 3028	2014-04-03	02:25:00.0	60	16.297437	16.244184	16.352332	1.070420e-03
## 3029	2014-04-03	02:26:00.0	60	16.624133	16.366448	16.867958	1.630782e-02
## 3030	2014-04-03	02:27:00.0	60	17.107378	16.877501	17.223416	1.055383e-02
## 3031	2014-04-03	02:28:00.0	60	16.813851	16.632524	17.100335	1.729856e-02
## 3032	2014-04-03	02:29:00.0	60	16.293677	16.016302	16.623373	2.863419e-02
## 3033	2014-04-03	02:30:00.0	60	15.915440	15.845291	16.001052	1.640098e-03
## 3034	2014-04-03	02:31:00.0	60	15.712531	15.520904	15.971492	2.710417e-02
## 3035	2014-04-03	02:32:00.0	60	15.580004	15.474223	15.722046	8.416427e-03
## 3036	2014-04-03	02:33:00.0	60	15.640963	15.523426	15.705762	2.806112e-03
## 3037	2014-04-03	02:34:00.0	60	15.504307	15.456141	15.555877	5.560069e-04
## 3038	2014-04-03	02:35:00.0	60	15.596487	15.554880	15.668343	1.544786e-03
## 3039	2014-04-03	02:36:00.0	60	15.489799	15.388466	15.630067	6.613304e-03
## 3040	2014-04-03	02:37:00.0	60	15.492095	15.382114	15.756629	1.491637e-02
## 3041	2014-04-03	02:38:00.0	60	15.633048	15.378281	15.770530	1.818422e-02
## 3042	2014-04-03	02:39:00.0	60	15.240845	15.099269	15.370638	9.681681e-03
## 3043	2014-04-03	02:40:00.0	60	15.017214	14.980919	15.095457	1.266077e-03
## 3044	2014-04-03	02:41:00.0	60	15.164289	15.041100	15.201966	1.511513e-03
## 3045	2014-04-03	02:42:00.0	60	15.043560	15.006779	15.144285	1.479394e-03
## 3046	2014-04-03	02:43:00.0	60	15.065937	15.032833	15.104821	5.375007e-04
## 3047	2014-04-03	02:44:00.0	60	14.966260	14.938214	15.027889	8.027604e-04
## 3048	2014-04-03	02:45:00.0	60	14.907929	14.859585	14.962098	1.542462e-03
## 3049	2014-04-03	02:46:00.0	60	14.906248	14.858998	14.954240	9.217390e-04
## 3050	2014-04-03	02:47:00.0	60	14.921302	14.906921	14.940012	1.108527e-04
## 3051	2014-04-03	02:48:00.0	60	14.874424	14.798293	14.924298	1.621856e-03
## 3052	2014-04-03	02:49:00.0	60	14.779877	14.766612	14.794619	6.199397e-05
## 3053	2014-04-03	02:50:00.0	60	14.693271	14.602054	14.785784	4.137529e-03
## 3054	2014-04-03	02:51:00.0	60	14.585006	14.560390	14.610010	2.881307e-04
## 3055	2014-04-03	02:52:00.0	60	14.548998	14.485971	14.611475	1.352248e-03
## 3056	2014-04-03	02:53:00.0	60	14.457528	14.445966	14.488179	1.307238e-04
## 3057	2014-04-03	02:54:00.0	60	14.597618	14.468597	14.697681	6.738195e-03
## 3058	2014-04-03	02:55:00.0	60	14.682037	14.643290	14.747069	9.267384e-04
## 3059	2014-04-03	02:56:00.0	60	14.652279	14.573190	14.746306	2.574466e-03
## 3060	2014-04-03	02:57:00.0	60	14.542447	14.510692	14.601546	6.600565e-04
## 3061	2014-04-03	02:58:00.0	60	14.713533	14.606139	14.776306	3.601971e-03
## 3062	2014-04-03	02:59:00.0	60	14.691405	14.628789	14.748944	9.223514e-04
## 3063	2014-04-03	03:00:00.0	60	14.572756	14.490661	14.624959	1.755414e-03
## 3064	2014-04-03	03:01:00.0	60	14.436697	14.365943	14.486850	8.230827e-04
## 3065	2014-04-03	03:02:00.0	60	14.323427	14.284259	14.362131	3.270232e-04
## 3066	2014-04-03	03:03:00.0	60	14.339052	14.258797	14.477334	6.328160e-03
## 3067	2014-04-03	03:04:00.0	60	14.418354	14.297019	14.489137	4.058426e-03
## 3068	2014-04-03	03:05:00.0	60	14.262417	14.227101	14.294735	3.524896e-04
## 3069	2014-04-03	03:06:00.0	60	14.216887	14.193569	14.253364	2.664234e-04
## 3070	2014-04-03	03:07:00.0	60	14.393659	14.246682	14.517590	5.919929e-03
## 3071	2014-04-03	03:08:00.0	60	14.570383	14.402524	14.674444	5.521567e-03
## 3072	2014-04-03	03:09:00.0	60	14.398914	14.351210	14.445538	1.144017e-03
## 3073	2014-04-03	03:10:00.0	60	14.310009	14.220127	14.430198	3.998140e-03
## 3074	2014-04-03	03:11:00.0	60	14.613974	14.330299	14.810666	2.213288e-02
## 3075	2014-04-03	03:12:00.0	60	14.735013	14.616145	14.811250	2.952498e-03
## 3076	2014-04-03	03:13:00.0	60	14.417829	14.273435	14.604303	9.958587e-03
## 3077	2014-04-03	03:14:00.0	60	14.215628	14.171430	14.271030	5.699076e-04
## 3078	2014-04-03	03:15:00.0	60	14.116954	14.100439	14.167619	3.123570e-04

## 3079	2014-04-03	03:16:00.0	60	14.165949	14.119550	14.214986	1.007218e-03
## 3080	2014-04-03	03:17:00.0	60	14.220792	14.164297	14.303722	1.209304e-03
## 3081	2014-04-03	03:18:00.0	60	14.484119	14.319746	14.638443	7.328554e-03
## 3082	2014-04-03	03:19:00.0	60	14.748187	14.617495	14.881319	7.151754e-03
## 3083	2014-04-03	03:20:00.0	60	14.604328	14.567170	14.712807	1.303894e-03
## 3084	2014-04-03	03:21:00.0	60	14.753787	14.650521	14.843305	4.061945e-03
## 3085	2014-04-03	03:22:00.0	60	14.642611	14.599769	14.696448	8.480082e-04
## 3086	2014-04-03	03:23:00.0	60	14.895711	14.704461	14.997456	7.802297e-03
## 3087	2014-04-03	03:24:00.0	60	14.910916	14.748319	14.998238	4.151629e-03
## 3088	2014-04-03	03:25:00.0	60	14.772372	14.663713	14.848152	2.921287e-03
## 3089	2014-04-03	03:26:00.0	60	14.631079	14.514306	14.857689	1.213817e-02
## 3090	2014-04-03	03:27:00.0	60	14.509897	14.426171	14.609285	4.552736e-03
## 3091	2014-04-03	03:28:00.0	60	14.594425	14.470571	14.644484	2.387581e-03
## 3092	2014-04-03	03:29:00.0	60	14.367931	14.160332	14.606198	1.947298e-02
## 3093	2014-04-03	03:30:00.0	60	14.184466	14.122462	14.272887	2.455580e-03
## 3094	2014-04-03	03:31:00.0	60	14.136892	14.108980	14.160662	2.012552e-04
## 3095	2014-04-03	03:32:00.0	60	14.128331	14.024624	14.178445	2.122359e-03
## 3096	2014-04-03	03:33:00.0	60	14.008138	13.980386	14.085043	6.640964e-04
## 3097	2014-04-03	03:34:00.0	60	14.144890	14.089615	14.208245	1.108597e-03
## 3098	2014-04-03	03:35:00.0	60	13.950602	13.833355	14.123264	6.207090e-03
## 3099	2014-04-03	03:36:00.0	60	13.763424	13.711691	13.921966	2.706042e-03
## 3100	2014-04-03	03:37:00.0	60	14.047562	13.931500	14.166525	5.603924e-03
## 3101	2014-04-03	03:38:00.0	60	14.434171	14.183701	14.779295	3.750212e-02
## 3102	2014-04-03	03:39:00.0	60	15.032839	14.796848	15.212970	1.420255e-02
## 3103	2014-04-03	03:40:00.0	60	15.086281	14.987957	15.200091	7.127990e-03
## 3104	2014-04-03	03:41:00.0	60	15.163687	15.022240	15.251557	4.486064e-03
## 3105	2014-04-03	03:42:00.0	60	15.106043	15.067721	15.136702	3.822297e-04
## 3106	2014-04-03	03:43:00.0	60	15.189821	15.071651	15.273352	4.366250e-03
## 3107	2014-04-03	03:44:00.0	60	15.217314	15.085352	15.295499	4.878721e-03
## 3108	2014-04-03	03:45:00.0	60	15.030742	14.992374	15.087797	5.923015e-04
## 3109	2014-04-03	03:46:00.0	60	14.896005	14.822332	15.005644	3.166348e-03
## 3110	2014-04-03	03:47:00.0	60	14.960263	14.889742	15.023920	1.257286e-03
## 3111	2014-04-03	03:48:00.0	60	14.774883	14.647122	14.894627	6.038429e-03
## 3112	2014-04-03	03:49:00.0	60	14.933810	14.861129	14.990967	1.810041e-03
## 3113	2014-04-03	03:50:00.0	60	15.095729	14.919997	15.154448	2.757834e-03
## 3114	2014-04-03	03:51:00.0	60	15.085255	15.060020	15.110078	2.144622e-04
## 3115	2014-04-03	03:52:00.0	60	15.156338	15.082265	15.212306	1.095461e-03
## 3116	2014-04-03	03:53:00.0	60	15.187592	15.167153	15.215493	1.632726e-04
## 3117	2014-04-03	03:54:00.0	60	15.178697	15.101634	15.229213	1.879597e-03
## 3118	2014-04-03	03:55:00.0	60	15.122668	15.109512	15.134452	4.161048e-05
## 3119	2014-04-03	03:56:00.0	60	15.151693	15.134004	15.168698	1.241293e-04
## 3120	2014-04-03	03:57:00.0	60	15.172891	15.125990	15.208573	4.509667e-04
## 3121	2014-04-03	03:58:00.0	60	15.241377	15.211251	15.309434	7.611739e-04
## 3122	2014-04-03	03:59:00.0	60	15.306622	15.238498	15.336449	8.304597e-04
## 3123	2014-04-03	04:00:00.0	60	15.213747	14.993155	15.281482	5.404243e-03
## 3124	2014-04-03	04:01:00.0	60	14.838402	14.759888	14.977891	4.040947e-03
## 3125	2014-04-03	04:02:00.0	60	14.960031	14.879559	15.053551	1.749227e-03
## 3126	2014-04-03	04:03:00.0	60	14.848573	14.715661	15.070245	1.431874e-02
## 3127	2014-04-03	04:04:00.0	60	14.587031	14.396134	14.764678	9.382744e-03
## 3128	2014-04-03	04:05:00.0	60	14.459210	14.302844	14.688904	1.637375e-02
## 3129	2014-04-03	04:06:00.0	60	14.960108	14.688144	15.077103	1.514774e-02
## 3130	2014-04-03	04:07:00.0	60	14.981067	14.923711	15.026344	1.131452e-03
## 3131	2014-04-03	04:08:00.0	60	15.031167	14.976698	15.057461	4.630418e-04
## 3132	2014-04-03	04:09:00.0	60	15.038550	14.972788	15.128452	1.468199e-03

## 3133	2014-04-03	04:10:00.0	60	15.088052	15.036586	15.128393	9.839729e-04
## 3134	2014-04-03	04:11:00.0	60	15.081972	15.038444	15.138282	1.148114e-03
## 3135	2014-04-03	04:12:00.0	60	15.204408	15.111331	15.257460	2.235641e-03
## 3136	2014-04-03	04:13:00.0	60	15.206377	15.163636	15.240317	4.393235e-04
## 3137	2014-04-03	04:14:00.0	60	15.276479	15.224327	15.336254	1.676869e-03
## 3138	2014-04-03	04:15:00.0	60	15.262517	15.112404	15.322983	4.902819e-03
## 3139	2014-04-03	04:16:00.0	60	15.067880	15.039399	15.102845	1.819534e-04
## 3140	2014-04-03	04:17:00.0	60	14.994511	14.808358	15.108651	5.322699e-03
## 3141	2014-04-03	04:18:00.0	60	14.764509	14.701666	14.837167	1.564743e-03
## 3142	2014-04-03	04:19:00.0	60	15.015932	14.839455	15.109532	7.966479e-03
## 3143	2014-04-03	04:20:00.0	60	14.980319	14.916246	15.081502	1.428708e-03
## 3144	2014-04-03	04:21:00.0	60	15.035914	14.907001	15.170594	7.890616e-03
## 3145	2014-04-03	04:22:00.0	60	14.827993	14.735460	15.039576	6.691408e-03
## 3146	2014-04-03	04:23:00.0	60	14.826184	14.654784	14.926350	6.243151e-03
## 3147	2014-04-03	04:24:00.0	60	14.703511	14.566233	14.807517	6.599517e-03
## 3148	2014-04-03	04:25:00.0	60	14.880695	14.791786	14.956761	2.074352e-03
## 3149	2014-04-03	04:26:00.0	60	14.907453	14.779979	15.060804	7.347894e-03
## 3150	2014-04-03	04:27:00.0	60	14.902947	14.807284	14.937179	9.681299e-04
## 3151	2014-04-03	04:28:00.0	60	14.541444	14.264580	14.794325	1.964056e-02
## 3152	2014-04-03	04:29:00.0	60	14.347184	14.171742	14.570687	2.114683e-02
## 3153	2014-04-03	04:30:00.0	60	14.409080	14.090004	14.632992	3.938005e-02
## 3154	2014-04-03	04:31:00.0	60	14.345023	14.057667	14.557419	3.887395e-02
## 3155	2014-04-03	04:32:00.0	60	14.319921	14.072145	14.554117	2.489037e-02
## 3156	2014-04-03	04:33:00.0	60	14.007382	13.931636	14.084749	2.256261e-03
## 3157	2014-04-03	04:34:00.0	60	13.946396	13.927259	13.977574	2.591087e-04
## 3158	2014-04-03	04:35:00.0	60	13.902552	13.776635	13.981052	3.909999e-03
## 3159	2014-04-03	04:36:00.0	60	13.676854	13.604879	13.777066	4.175861e-03
## 3160	2014-04-03	04:37:00.0	60	13.670269	13.569948	13.740040	2.521890e-03
## 3161	2014-04-03	04:38:00.0	60	13.560998	13.523957	13.587061	2.462528e-04
## 3162	2014-04-03	04:39:00.0	60	13.626265	13.498070	13.892734	2.331282e-02
## 3163	2014-04-03	04:40:00.0	60	13.889272	13.824192	13.952895	1.898807e-03
## 3164	2014-04-03	04:41:00.0	60	13.945573	13.833903	14.038928	4.819291e-03
## 3165	2014-04-03	04:42:00.0	60	13.778673	13.684144	13.865654	3.133098e-03
## 3166	2014-04-03	04:43:00.0	60	13.696322	13.540153	13.838631	9.916059e-03
## 3167	2014-04-03	04:44:00.0	60	13.530666	13.497230	13.600444	4.384270e-04
## 3168	2014-04-03	04:45:00.0	60	13.575799	13.482734	13.642059	2.628667e-03
## 3169	2014-04-03	04:46:00.0	60	13.451290	13.336312	13.536128	3.972089e-03
## 3170	2014-04-03	04:47:00.0	60	13.425870	13.343246	13.636277	8.191532e-03
## 3171	2014-04-03	04:48:00.0	60	13.534605	13.433288	13.635573	2.411762e-03
## 3172	2014-04-03	04:49:00.0	60	13.396805	13.316619	13.540681	4.393570e-03
## 3173	2014-04-03	04:50:00.0	60	13.380681	13.232597	13.548125	8.312870e-03
## 3174	2014-04-03	04:51:00.0	60	13.190515	13.156393	13.231074	5.152131e-04
## 3175	2014-04-03	04:52:00.0	60	13.229335	13.187512	13.284054	4.117418e-04
## 3176	2014-04-03	04:53:00.0	60	13.309483	13.192690	13.407149	3.805045e-03
## 3177	2014-04-03	04:54:00.0	60	13.190170	13.139514	13.237091	6.932859e-04
## 3178	2014-04-03	04:55:00.0	60	13.119477	13.063606	13.243264	3.101222e-03
## 3179	2014-04-03	04:56:00.0	60	13.275244	13.199017	13.314783	9.659410e-04
## 3180	2014-04-03	04:57:00.0	60	13.305895	13.183331	13.392576	6.189187e-03
## 3181	2014-04-03	04:58:00.0	60	13.244242	13.119571	13.389526	6.980918e-03
## 3182	2014-04-03	04:59:00.0	60	13.074104	13.035573	13.116524	3.348274e-04
## 3183	2014-04-03	05:00:00.0	60	12.995128	12.961659	13.033289	2.353969e-04
## 3184	2014-04-03	05:01:00.0	60	12.942576	12.930191	12.958612	3.656244e-05
## 3185	2014-04-03	05:02:00.0	60	12.889989	12.843327	12.943005	7.821491e-04
## 3186	2014-04-03	05:03:00.0	60	12.836489	12.814515	12.850729	1.162321e-04

## 3187	2014-04-03	05:04:00.0	60	12.863458	12.829479	12.898820	5.853781e-04
## 3188	2014-04-03	05:05:00.0	60	12.933798	12.842037	13.082671	7.310667e-03
## 3189	2014-04-03	05:06:00.0	60	13.069949	13.037957	13.104744	3.969596e-04
## 3190	2014-04-03	05:07:00.0	60	13.044639	12.972225	13.108533	2.013686e-03
## 3191	2014-04-03	05:08:00.0	60	13.007458	12.983673	13.095486	1.094253e-03
## 3192	2014-04-03	05:09:00.0	60	13.230850	13.089996	13.304430	5.188584e-03
## 3193	2014-04-03	05:10:00.0	60	13.246734	13.182998	13.286965	5.393925e-04
## 3194	2014-04-03	05:11:00.0	60	13.169289	13.113769	13.241193	2.010451e-03
## 3195	2014-04-03	05:12:00.0	60	13.155750	13.066085	13.216013	2.921709e-03
## 3196	2014-04-03	05:13:00.0	60	13.186025	13.112753	13.223963	1.185878e-03
## 3197	2014-04-03	05:14:00.0	60	13.168963	13.111757	13.228554	1.425412e-03
## 3198	2014-04-03	05:15:00.0	60	13.060391	12.999613	13.109081	1.417611e-03
## 3199	2014-04-03	05:16:00.0	60	13.057842	12.961406	13.145941	4.374366e-03
## 3200	2014-04-03	05:17:00.0	60	12.995192	12.956677	13.041864	8.290026e-04
## 3201	2014-04-03	05:18:00.0	60	12.956143	12.869091	13.029441	2.986613e-03
## 3202	2014-04-03	05:19:00.0	60	12.886981	12.790431	13.097321	7.153972e-03
## 3203	2014-04-03	05:20:00.0	60	13.027484	12.901593	13.159010	6.035038e-03
## 3204	2014-04-03	05:21:00.0	60	12.786036	12.699411	12.896593	4.675976e-03
## 3205	2014-04-03	05:22:00.0	60	12.776639	12.735995	12.814615	4.269651e-04
## 3206	2014-04-03	05:23:00.0	60	12.794452	12.732987	12.843678	8.807903e-04
## 3207	2014-04-03	05:24:00.0	60	12.682713	12.654352	12.724608	3.266323e-04
## 3208	2014-04-03	05:25:00.0	60	12.700176	12.669607	12.733653	2.556190e-04
## 3209	2014-04-03	05:26:00.0	60	12.737101	12.722071	12.761799	8.789142e-05
## 3210	2014-04-03	05:27:00.0	60	12.720586	12.704980	12.730097	3.784267e-05
## 3211	2014-04-03	05:28:00.0	60	12.762418	12.702245	12.840281	2.378822e-03
## 3212	2014-04-03	05:29:00.0	60	12.777446	12.705955	12.808401	1.129465e-03
## 3213	2014-04-03	05:30:00.0	60	12.739313	12.692069	12.774710	5.216255e-04
## 3214	2014-04-03	05:31:00.0	60	12.677150	12.644099	12.733243	5.533990e-04
## 3215	2014-04-03	05:32:00.0	60	12.610516	12.593571	12.637614	1.741735e-04
## 3216	2014-04-03	05:33:00.0	60	12.673075	12.597634	12.761602	3.071112e-03
## 3217	2014-04-03	05:34:00.0	60	12.870836	12.764884	12.963710	4.082987e-03
## 3218	2014-04-03	05:35:00.0	60	12.675448	12.610406	12.762208	2.216124e-03
## 3219	2014-04-03	05:36:00.0	60	12.610137	12.528904	12.813970	6.171460e-03
## 3220	2014-04-03	05:37:00.0	60	12.759969	12.683808	12.823130	3.045091e-03
## 3221	2014-04-03	05:38:00.0	60	12.683249	12.626091	12.732345	9.894324e-04
## 3222	2014-04-03	05:39:00.0	60	12.786929	12.740724	12.840944	8.466853e-04
## 3223	2014-04-03	05:40:00.0	60	12.806642	12.732987	12.915229	3.560631e-03
## 3224	2014-04-03	05:41:00.0	60	12.702702	12.599119	12.896339	7.230690e-03
## 3225	2014-04-03	05:42:00.0	60	12.776735	12.696580	12.830493	2.060452e-03
## 3226	2014-04-03	05:43:00.0	60	12.786409	12.624568	12.886825	5.741646e-03
## 3227	2014-04-03	05:44:00.0	60	12.522290	12.493436	12.615798	1.136257e-03
## 3228	2014-04-03	05:45:00.0	60	12.575546	12.508514	12.696972	4.285668e-03
## 3229	2014-04-03	05:46:00.0	60	12.617858	12.543785	12.705584	3.166407e-03
## 3230	2014-04-03	05:47:00.0	60	12.579600	12.516032	12.670134	2.846962e-03
## 3231	2014-04-03	05:48:00.0	60	12.639407	12.549957	12.706697	2.036530e-03
## 3232	2014-04-03	05:49:00.0	60	12.594261	12.578142	12.632986	1.456213e-04
## 3233	2014-04-03	05:50:00.0	60	12.679443	12.597770	12.813071	2.379950e-03
## 3234	2014-04-03	05:51:00.0	60	12.961199	12.821079	13.048935	3.505702e-03
## 3235	2014-04-03	05:52:00.0	60	12.725498	12.586910	12.905090	1.051089e-02
## 3236	2014-04-03	05:53:00.0	60	12.598992	12.543025	12.625467	4.503490e-04
## 3237	2014-04-03	05:54:00.0	60	12.488132	12.396565	12.541540	2.067821e-03
## 3238	2014-04-03	05:55:00.0	60	12.416073	12.391115	12.453711	3.396581e-04
## 3239	2014-04-03	05:56:00.0	60	12.506175	12.460195	12.532439	2.570733e-04
## 3240	2014-04-03	05:57:00.0	60	12.652970	12.532145	12.727421	3.950861e-03

## 3241	2014-04-03	05:58:00.0	60	12.719805	12.658161	12.887568	3.794427e-03
## 3242	2014-04-03	05:59:00.0	60	12.760833	12.594117	12.923452	1.111807e-02
## 3243	2014-04-03	06:00:00.0	60	12.541775	12.493221	12.593474	1.169533e-03
## 3244	2014-04-03	06:01:00.0	60	12.562898	12.505642	12.676619	4.103533e-03
## 3245	2014-04-03	06:02:00.0	60	12.529941	12.477383	12.663650	3.437871e-03
## 3246	2014-04-03	06:03:00.0	60	12.465654	12.387034	12.527575	2.066021e-03
## 3247	2014-04-03	06:04:00.0	60	12.401832	12.373872	12.457226	5.728244e-04
## 3248	2014-04-03	06:05:00.0	60	12.549749	12.445136	12.840201	1.377763e-02
## 3249	2014-04-03	06:06:00.0	60	12.944994	12.852019	13.016137	1.333498e-03
## 3250	2014-04-03	06:07:00.0	60	12.803754	12.747306	12.882432	1.152716e-03
## 3251	2014-04-03	06:08:00.0	60	12.800824	12.706073	12.864559	2.092783e-03
## 3252	2014-04-03	06:09:00.0	60	12.717165	12.671366	12.759592	7.831809e-04
## 3253	2014-04-03	06:10:00.0	60	12.528199	12.407854	12.663358	5.989716e-03
## 3254	2014-04-03	06:11:00.0	60	12.469433	12.397970	12.529626	1.773796e-03
## 3255	2014-04-03	06:12:00.0	60	12.364788	12.299990	12.405079	1.306974e-03
## 3256	2014-04-03	06:13:00.0	60	12.296390	12.264446	12.321121	2.200095e-04
## 3257	2014-04-03	06:14:00.0	60	12.274938	12.235211	12.305965	5.143964e-04
## 3258	2014-04-03	06:15:00.0	60	12.381100	12.283273	12.502928	4.710353e-03
## 3259	2014-04-03	06:16:00.0	60	12.451718	12.418341	12.475898	3.237392e-04
## 3260	2014-04-03	06:17:00.0	60	12.682880	12.471620	12.942145	2.543302e-02
## 3261	2014-04-03	06:18:00.0	60	12.961434	12.827956	13.046375	3.023720e-03
## 3262	2014-04-03	06:19:00.0	60	12.597933	12.504313	12.816509	8.536757e-03
## 3263	2014-04-03	06:20:00.0	60	12.567450	12.491073	12.619801	1.380865e-03
## 3264	2014-04-03	06:21:00.0	60	12.866782	12.591931	13.051163	1.805209e-02
## 3265	2014-04-03	06:22:00.0	60	12.711770	12.599293	12.863660	6.365127e-03
## 3266	2014-04-03	06:23:00.0	60	12.621986	12.415039	12.740586	7.993606e-03
## 3267	2014-04-03	06:24:00.0	60	12.362920	12.289933	12.415139	1.194138e-03
## 3268	2014-04-03	06:25:00.0	60	12.270591	12.202733	12.494529	5.270411e-03
## 3269	2014-04-03	06:26:00.0	60	12.475640	12.376019	12.637281	7.302359e-03
## 3270	2014-04-03	06:27:00.0	60	12.450143	12.364047	12.627341	4.750170e-03
## 3271	2014-04-03	06:28:00.0	60	12.387453	12.325358	12.453691	1.718902e-03
## 3272	2014-04-03	06:29:00.0	60	12.395231	12.306474	12.483729	5.335036e-03
## 3273	2014-04-03	06:30:00.0	60	12.453180	12.396506	12.499296	6.113327e-04
## 3274	2014-04-03	06:31:00.0	60	12.464775	12.433340	12.488690	3.314752e-04
## 3275	2014-04-03	06:32:00.0	60	12.448200	12.337701	12.582945	8.541558e-03
## 3276	2014-04-03	06:33:00.0	60	12.488942	12.321395	12.603259	7.575072e-03
## 3277	2014-04-03	06:34:00.0	60	12.221062	12.157680	12.318738	2.597811e-03
## 3278	2014-04-03	06:35:00.0	60	12.341303	12.169905	12.420860	5.374216e-03
## 3279	2014-04-03	06:36:00.0	60	12.460269	12.358950	12.552438	3.504318e-03
## 3280	2014-04-03	06:37:00.0	60	12.297064	12.233278	12.406407	1.738496e-03
## 3281	2014-04-03	06:38:00.0	60	12.390656	12.256106	12.547673	1.245599e-02
## 3282	2014-04-03	06:39:00.0	60	12.550829	12.450644	12.641482	3.364996e-03
## 3283	2014-04-03	06:40:00.0	60	12.550467	12.488787	12.650448	2.343871e-03
## 3284	2014-04-03	06:41:00.0	60	12.631021	12.596441	12.681015	8.739010e-04
## 3285	2014-04-03	06:42:00.0	60	12.475953	12.320574	12.610701	1.019703e-02
## 3286	2014-04-03	06:43:00.0	60	12.296494	12.243297	12.347370	1.175606e-03
## 3287	2014-04-03	06:44:00.0	60	12.298131	12.265441	12.333132	4.857013e-04
## 3288	2014-04-03	06:45:00.0	60	12.268581	12.234860	12.301142	4.567855e-04
## 3289	2014-04-03	06:46:00.0	60	12.389440	12.304951	12.483534	1.619098e-03
## 3290	2014-04-03	06:47:00.0	60	12.429543	12.304716	12.501794	2.438960e-03
## 3291	2014-04-03	06:48:00.0	60	12.240317	12.190098	12.297861	8.054192e-04
## 3292	2014-04-03	06:49:00.0	60	12.388819	12.266888	12.643377	1.146547e-02
## 3293	2014-04-03	06:50:00.0	60	12.516601	12.292979	12.681580	1.736407e-02
## 3294	2014-04-03	06:51:00.0	60	12.194857	12.152077	12.286884	1.062525e-03

## 3295	2014-04-03	06:52:00.0	60	12.211215	12.104094	12.432638	1.320081e-02
## 3296	2014-04-03	06:53:00.0	60	12.316521	12.230701	12.440840	3.647661e-03
## 3297	2014-04-03	06:54:00.0	60	12.238717	12.112336	12.324674	3.575212e-03
## 3298	2014-04-03	06:55:00.0	60	12.101458	12.051036	12.160122	1.336466e-03
## 3299	2014-04-03	06:56:00.0	60	12.175327	12.070194	12.263762	6.203281e-03
## 3300	2014-04-03	06:57:00.0	60	12.230559	12.162193	12.278898	8.502870e-04
## 3301	2014-04-03	06:58:00.0	60	12.245904	12.050547	12.425860	1.479218e-02
## 3302	2014-04-03	06:59:00.0	60	12.055997	12.029029	12.094467	3.669835e-04
## 3303	2014-04-03	07:00:00.0	60	12.139140	12.046564	12.188010	2.459556e-03
## 3304	2014-04-03	07:01:00.0	60	12.087162	12.038929	12.177717	2.162073e-03
## 3305	2014-04-03	07:02:00.0	60	12.017391	11.985365	12.045628	2.691649e-04
## 3306	2014-04-03	07:03:00.0	60	12.041286	11.996671	12.088531	1.135642e-03
## 3307	2014-04-03	07:04:00.0	60	12.043935	12.020027	12.081052	2.433261e-04
## 3308	2014-04-03	07:05:00.0	60	12.080218	11.979427	12.143249	3.310496e-03
## 3309	2014-04-03	07:06:00.0	60	12.130614	12.011493	12.235933	4.916857e-03
## 3310	2014-04-03	07:07:00.0	60	11.988399	11.961521	12.030826	3.422141e-04
## 3311	2014-04-03	07:08:00.0	60	12.330904	12.041898	12.495115	1.379857e-02
## 3312	2014-04-03	07:09:00.0	60	12.124025	12.079724	12.244293	1.635940e-03
## 3313	2014-04-03	07:10:00.0	60	12.214115	12.148209	12.277472	1.639178e-03
## 3314	2014-04-03	07:11:00.0	60	12.002234	11.868962	12.200371	6.400291e-03
## 3315	2014-04-03	07:12:00.0	60	11.979411	11.864217	12.061817	3.225787e-03
## 3316	2014-04-03	07:13:00.0	60	12.349767	12.062969	12.541307	2.172004e-02
## 3317	2014-04-03	07:14:00.0	60	12.203855	12.122296	12.326530	3.602350e-03
## 3318	2014-04-03	07:15:00.0	60	12.057800	11.967126	12.239821	5.695779e-03
## 3319	2014-04-03	07:16:00.0	60	12.219453	11.966755	12.356175	1.709401e-02
## 3320	2014-04-03	07:17:00.0	60	12.414015	12.297628	12.482303	2.840347e-03
## 3321	2014-04-03	07:18:00.0	60	12.412605	12.274308	12.631560	1.832773e-02
## 3322	2014-04-03	07:19:00.0	60	12.542084	12.413283	12.638298	4.766091e-03
## 3323	2014-04-03	07:20:00.0	60	12.367592	12.246617	12.537068	7.715600e-03
## 3324	2014-04-03	07:21:00.0	60	12.293509	12.094311	12.538278	2.415496e-02
## 3325	2014-04-03	07:22:00.0	60	12.015443	11.952401	12.090113	1.527727e-03
## 3326	2014-04-03	07:23:00.0	60	11.944993	11.897237	11.996768	9.184019e-04
## 3327	2014-04-03	07:24:00.0	60	11.954565	11.922330	11.989484	3.758014e-04
## 3328	2014-04-03	07:25:00.0	60	11.984406	11.914577	12.022975	1.566165e-03
## 3329	2014-04-03	07:26:00.0	60	11.991173	11.970134	12.005284	6.978491e-05
## 3330	2014-04-03	07:27:00.0	60	12.009141	11.952752	12.065820	1.364052e-03
## 3331	2014-04-03	07:28:00.0	60	11.957243	11.893879	12.021900	1.548587e-03
## 3332	2014-04-03	07:29:00.0	60	11.866257	11.778769	11.979798	3.249020e-03
## 3333	2014-04-03	07:30:00.0	60	12.020117	11.966520	12.105189	1.723703e-03
## 3334	2014-04-03	07:31:00.0	60	11.886152	11.834671	11.962731	1.532930e-03
## 3335	2014-04-03	07:32:00.0	60	11.825336	11.745318	11.905849	2.802691e-03
## 3336	2014-04-03	07:33:00.0	60	11.744628	11.704822	11.770098	4.094489e-04
## 3337	2014-04-03	07:34:00.0	60	11.761843	11.675474	11.859628	2.936921e-03
## 3338	2014-04-03	07:35:00.0	60	11.713810	11.672859	11.789741	1.274651e-03
## 3339	2014-04-03	07:36:00.0	60	11.677469	11.640855	11.715717	5.298197e-04
## 3340	2014-04-03	07:37:00.0	60	11.678333	11.595907	11.770333	4.548734e-03
## 3341	2014-04-03	07:38:00.0	60	11.615241	11.588567	11.639918	3.630257e-04
## 3342	2014-04-03	07:39:00.0	60	11.682569	11.623439	11.770410	2.590112e-03
## 3343	2014-04-03	07:40:00.0	60	11.843036	11.764045	11.944142	1.824662e-03
## 3344	2014-04-03	07:41:00.0	60	11.958150	11.898565	12.037465	1.759111e-03
## 3345	2014-04-03	07:42:00.0	60	12.177666	11.993116	12.281184	6.244582e-03
## 3346	2014-04-03	07:43:00.0	60	11.859250	11.786577	11.978237	2.245825e-03
## 3347	2014-04-03	07:44:00.0	60	11.794235	11.737138	11.857831	1.556746e-03
## 3348	2014-04-03	07:45:00.0	60	11.889859	11.761135	11.948964	2.731669e-03



## 3349	2014-04-03	07:46:00.0	60	12.118058	11.955447	12.201894	4.367170e-03
## 3350	2014-04-03	07:47:00.0	60	11.904891	11.766875	12.112141	1.688276e-02
## 3351	2014-04-03	07:48:00.0	60	12.043315	11.774687	12.231891	3.068299e-02
## 3352	2014-04-03	07:49:00.0	60	12.032844	11.953046	12.134267	2.773950e-03
## 3353	2014-04-03	07:50:00.0	60	12.174783	11.996886	12.311492	1.026871e-02
## 3354	2014-04-03	07:51:00.0	60	12.296245	12.207402	12.323346	7.407625e-04
## 3355	2014-04-03	07:52:00.0	60	12.193282	12.144831	12.290655	1.752557e-03
## 3356	2014-04-03	07:53:00.0	60	12.139655	12.014362	12.260969	6.229058e-03
## 3357	2014-04-03	07:54:00.0	60	11.889774	11.809581	12.104035	5.891646e-03
## 3358	2014-04-03	07:55:00.0	60	11.962127	11.850138	12.117120	8.764332e-03
## 3359	2014-04-03	07:56:00.0	60	11.911002	11.817216	12.104662	5.411529e-03
## 3360	2014-04-03	07:57:00.0	60	12.008521	11.902704	12.167269	8.464799e-03
## 3361	2014-04-03	07:58:00.0	60	11.841787	11.807531	11.901552	9.477192e-04
## 3362	2014-04-03	07:59:00.0	60	11.839499	11.771446	11.897431	1.057020e-03
## 3363	2014-04-03	08:00:00.0	60	11.888390	11.772852	11.940628	2.570466e-03
## 3364	2014-04-03	08:01:00.0	60	11.958605	11.892686	12.125244	2.830313e-03
## 3365	2014-04-03	08:02:00.0	60	12.050883	11.893469	12.230562	1.288373e-02
## 3366	2014-04-03	08:03:00.0	60	11.977372	11.887122	12.089781	4.647642e-03
## 3367	2014-04-03	08:04:00.0	60	11.794709	11.703493	11.889935	4.679966e-03
## 3368	2014-04-03	08:05:00.0	60	11.770094	11.690254	11.833422	2.349083e-03
## 3369	2014-04-03	08:06:00.0	60	11.661115	11.606842	11.698945	4.935261e-04
## 3370	2014-04-03	08:07:00.0	60	11.559225	11.499630	11.641988	2.379062e-03
## 3371	2014-04-03	08:08:00.0	60	11.577120	11.519584	11.646206	2.144047e-03
## 3372	2014-04-03	08:09:00.0	60	11.547338	11.491448	11.594834	1.083865e-03
## 3373	2014-04-03	08:10:00.0	60	11.474970	11.447986	11.527197	2.928731e-04
## 3374	2014-04-03	08:11:00.0	60	11.455919	11.441056	11.469150	5.956615e-05
## 3375	2014-04-03	08:12:00.0	60	11.440575	11.411125	11.487914	5.293482e-04
## 3376	2014-04-03	08:13:00.0	60	11.382934	11.282285	11.487522	4.154973e-03
## 3377	2014-04-03	08:14:00.0	60	11.325793	11.264500	11.402670	2.087752e-03
## 3378	2014-04-03	08:15:00.0	60	11.469277	11.409544	11.486703	3.183389e-04
## 3379	2014-04-03	08:16:00.0	60	11.474293	11.453824	11.494885	1.401765e-04
## 3380	2014-04-03	08:17:00.0	60	11.427823	11.404546	11.453512	1.665578e-04
## 3381	2014-04-03	08:18:00.0	60	11.344931	11.314674	11.401029	6.083748e-04
## 3382	2014-04-03	08:19:00.0	60	11.425787	11.354329	11.448493	5.965865e-04
## 3383	2014-04-03	08:20:00.0	60	11.614283	11.440977	11.757465	7.017920e-03
## 3384	2014-04-03	08:21:00.0	60	11.473206	11.405618	11.547154	1.530073e-03
## 3385	2014-04-03	08:22:00.0	60	11.413661	11.387968	11.429146	1.664495e-04
## 3386	2014-04-03	08:23:00.0	60	11.591690	11.407082	11.846388	2.197071e-02
## 3387	2014-04-03	08:24:00.0	60	11.680987	11.505877	11.862518	1.526159e-02
## 3388	2014-04-03	08:25:00.0	60	11.451487	11.417684	11.501309	5.532327e-04
## 3389	2014-04-03	08:26:00.0	60	11.468370	11.435216	11.490276	2.654929e-04
## 3390	2014-04-03	08:27:00.0	60	11.603296	11.461673	11.799623	7.609772e-03
## 3391	2014-04-03	08:28:00.0	60	11.832575	11.708727	11.992588	5.903723e-03
## 3392	2014-04-03	08:29:00.0	60	11.859472	11.794583	11.925219	1.119701e-03
## 3393	2014-04-03	08:30:00.0	60	11.914367	11.809443	12.036137	4.358071e-03
## 3394	2014-04-03	08:31:00.0	60	11.827744	11.628826	12.038187	1.915099e-02
## 3395	2014-04-03	08:32:00.0	60	11.464395	11.380022	11.638551	7.493635e-03
## 3396	2014-04-03	08:33:00.0	60	11.388128	11.314129	11.427232	1.383487e-03
## 3397	2014-04-03	08:34:00.0	60	11.313927	11.288670	11.333808	2.183581e-04
## 3398	2014-04-03	08:35:00.0	60	11.249824	11.214480	11.302453	6.073182e-04
## 3399	2014-04-03	08:36:00.0	60	11.225252	11.198725	11.275862	6.427497e-04
## 3400	2014-04-03	08:37:00.0	60	11.326562	11.215829	11.412881	3.739068e-03
## 3401	2014-04-03	08:38:00.0	60	11.285684	11.225706	11.394450	2.793943e-03
## 3402	2014-04-03	08:39:00.0	60	11.417222	11.353293	11.474773	9.884672e-04

## 3403	2014-04-03	08:40:00.0	60	11.363229	11.311767	11.392167	5.297213e-04
## 3404	2014-04-03	08:41:00.0	60	11.254082	11.204076	11.333458	1.229519e-03
## 3405	2014-04-03	08:42:00.0	60	11.171593	11.126610	11.243941	1.725080e-03
## 3406	2014-04-03	08:43:00.0	60	11.183545	11.138460	11.235333	7.038851e-04
## 3407	2014-04-03	08:44:00.0	60	11.189819	11.137777	11.240290	1.317694e-03
## 3408	2014-04-03	08:45:00.0	60	11.112822	11.077861	11.169968	1.119277e-03
## 3409	2014-04-03	08:46:00.0	60	11.088373	11.044167	11.112201	3.320260e-04
## 3410	2014-04-03	08:47:00.0	60	11.063591	11.006079	11.154840	2.223796e-03
## 3411	2014-04-03	08:48:00.0	60	11.147001	11.124187	11.162550	1.107207e-04
## 3412	2014-04-03	08:49:00.0	60	11.088811	11.052698	11.145039	8.118105e-04
## 3413	2014-04-03	08:50:00.0	60	11.081090	11.051936	11.098066	1.799021e-04
## 3414	2014-04-03	08:51:00.0	60	11.228147	11.078174	11.470576	1.730618e-02
## 3415	2014-04-03	08:52:00.0	60	11.479019	11.421042	11.498888	3.623479e-04
## 3416	2014-04-03	08:53:00.0	60	11.230120	11.142324	11.420670	7.131022e-03
## 3417	2014-04-03	08:54:00.0	60	11.092394	11.041414	11.226645	2.927703e-03
## 3418	2014-04-03	08:55:00.0	60	10.995429	10.961920	11.039891	4.459901e-04
## 3419	2014-04-03	08:56:00.0	60	11.138907	11.030053	11.239862	5.659873e-03
## 3420	2014-04-03	08:57:00.0	60	11.020684	10.984468	11.109916	1.083417e-03
## 3421	2014-04-03	08:58:00.0	60	10.971019	10.926410	11.039208	1.958648e-03
## 3422	2014-04-03	08:59:00.0	60	10.918264	10.909699	10.930901	2.179767e-05
## 3423	2014-04-03	09:00:00.0	60	10.909585	10.895000	10.927017	1.115051e-04
## 3424	2014-04-03	09:01:00.0	60	10.930579	10.897947	10.981285	4.053914e-04
## 3425	2014-04-03	09:02:00.0	60	11.003631	10.963561	11.032609	3.687455e-04
## 3426	2014-04-03	09:03:00.0	60	10.943643	10.930277	10.963189	5.373156e-05
## 3427	2014-04-03	09:04:00.0	60	10.923297	10.910951	10.934081	4.952434e-05
## 3428	2014-04-03	09:05:00.0	60	10.910089	10.897205	10.931761	8.576207e-05
## 3429	2014-04-03	09:06:00.0	60	10.978327	10.919852	11.026713	1.748077e-03
## 3430	2014-04-03	09:07:00.0	60	10.959891	10.938710	11.018182	3.777488e-04
## 3431	2014-04-03	09:08:00.0	60	10.940364	10.923171	10.958522	7.692812e-05
## 3432	2014-04-03	09:09:00.0	60	10.902030	10.880262	10.941051	4.217072e-04
## 3433	2014-04-03	09:10:00.0	60	10.907407	10.887679	10.932541	1.529525e-04
## 3434	2014-04-03	09:11:00.0	60	11.130803	10.944741	11.197535	5.204544e-03
## 3435	2014-04-03	09:12:00.0	60	10.985231	10.952141	11.066889	9.180447e-04
## 3436	2014-04-03	09:13:00.0	60	11.047591	10.986868	11.104333	1.162932e-03
## 3437	2014-04-03	09:14:00.0	60	11.080948	11.034229	11.127117	1.141404e-03
## 3438	2014-04-03	09:15:00.0	60	11.057676	10.996962	11.122997	2.016627e-03
## 3439	2014-04-03	09:16:00.0	60	11.125002	10.995440	11.197126	3.184249e-03
## 3440	2014-04-03	09:17:00.0	60	11.103667	10.980369	11.173210	5.116531e-03
## 3441	2014-04-03	09:18:00.0	60	10.998229	10.921881	11.139671	4.385077e-03
## 3442	2014-04-03	09:19:00.0	60	10.899622	10.854749	10.994892	1.228416e-03
## 3443	2014-04-03	09:20:00.0	60	10.982276	10.903981	11.121981	3.592911e-03
## 3444	2014-04-03	09:21:00.0	60	11.165985	11.105720	11.254308	1.968945e-03
## 3445	2014-04-03	09:22:00.0	60	11.298019	11.198902	11.373540	2.938682e-03
## 3446	2014-04-03	09:23:00.0	60	11.062110	10.969827	11.193963	4.691323e-03
## 3447	2014-04-03	09:24:00.0	60	11.015487	10.962468	11.075791	1.298719e-03
## 3448	2014-04-03	09:25:00.0	60	11.028146	10.975039	11.090960	1.420575e-03
## 3449	2014-04-03	09:26:00.0	60	11.020988	10.977324	11.046373	4.209864e-04
## 3450	2014-04-03	09:27:00.0	60	10.969809	10.911887	11.048325	1.645625e-03
## 3451	2014-04-03	09:28:00.0	60	10.935636	10.852014	11.048520	4.093621e-03
## 3452	2014-04-03	09:29:00.0	60	10.841000	10.824938	10.857246	8.494072e-05
## 3453	2014-04-03	09:30:00.0	60	10.835917	10.776703	10.857170	5.122653e-04
## 3454	2014-04-03	09:31:00.0	60	10.792678	10.764893	10.810884	1.388872e-04
## 3455	2014-04-03	09:32:00.0	60	10.738441	10.721031	10.758921	7.232021e-05
## 3456	2014-04-03	09:33:00.0	60	10.713779	10.700243	10.728195	7.661737e-05

## 3457	2014-04-03	09:34:00.0	60	10.714996	10.696457	10.734929	1.517411e-04
## 3458	2014-04-03	09:35:00.0	60	10.749287	10.702098	10.809264	7.687390e-04
## 3459	2014-04-03	09:36:00.0	60	10.793816	10.772899	10.810027	1.679600e-04
## 3460	2014-04-03	09:37:00.0	60	10.816243	10.775181	10.840733	3.439803e-04
## 3461	2014-04-03	09:38:00.0	60	10.831124	10.785175	10.862361	6.739430e-04
## 3462	2014-04-03	09:39:00.0	60	10.782678	10.758939	10.802998	1.249472e-04
## 3463	2014-04-03	09:40:00.0	60	10.759616	10.730362	10.800030	5.567414e-04
## 3464	2014-04-03	09:41:00.0	60	10.790235	10.753768	10.890568	1.436089e-03
## 3465	2014-04-03	09:42:00.0	60	10.891398	10.801944	10.934629	1.835283e-03
## 3466	2014-04-03	09:43:00.0	60	10.777116	10.755367	10.819785	4.216853e-04
## 3467	2014-04-03	09:44:00.0	60	10.748468	10.700282	10.775493	5.628019e-04
## 3468	2014-04-03	09:45:00.0	60	10.750530	10.710569	10.769539	2.339591e-04
## 3469	2014-04-03	09:46:00.0	60	10.808127	10.727141	10.910324	4.502705e-03
## 3470	2014-04-03	09:47:00.0	60	10.871778	10.816994	10.939841	1.327125e-03
## 3471	2014-04-03	09:48:00.0	60	10.883906	10.811841	10.958484	2.811229e-03
## 3472	2014-04-03	09:49:00.0	60	11.077213	10.941578	11.155717	5.247686e-03
## 3473	2014-04-03	09:50:00.0	60	11.085015	11.048596	11.119775	5.353878e-04
## 3474	2014-04-03	09:51:00.0	60	10.991919	10.938651	11.058046	1.551941e-03
## 3475	2014-04-03	09:52:00.0	60	10.987313	10.929455	11.038622	1.475386e-03
## 3476	2014-04-03	09:53:00.0	60	10.885214	10.849340	10.938846	5.746316e-04
## 3477	2014-04-03	09:54:00.0	60	10.928984	10.851684	11.004009	2.408281e-03
## 3478	2014-04-03	09:55:00.0	60	10.953676	10.862829	11.051936	3.782207e-03
## 3479	2014-04-03	09:56:00.0	60	10.818848	10.790116	10.861307	4.997788e-04
## 3480	2014-04-03	09:57:00.0	60	10.763241	10.713965	10.796614	7.035033e-04
## 3481	2014-04-03	09:58:00.0	60	10.672026	10.640648	10.711682	4.465170e-04
## 3482	2014-04-03	09:59:00.0	60	10.654487	10.642561	10.678245	8.617602e-05
## 3483	2014-04-03	10:00:00.0	60	10.650967	10.623823	10.692417	4.844369e-04
## 3484	2014-04-03	10:01:00.0	60	10.608997	10.591499	10.623061	9.633529e-05
## 3485	2014-04-03	10:02:00.0	60	10.691039	10.607270	10.754001	2.010758e-03
## 3486	2014-04-03	10:03:00.0	60	10.622765	10.602565	10.644260	1.739903e-04
## 3487	2014-04-03	10:04:00.0	60	10.582006	10.547072	10.625266	3.658960e-04
## 3488	2014-04-03	10:05:00.0	60	10.596415	10.574419	10.616562	1.625474e-04
## 3489	2014-04-03	10:06:00.0	60	10.653005	10.597218	10.787675	3.369312e-03
## 3490	2014-04-03	10:07:00.0	60	10.692259	10.616854	10.787304	2.851966e-03
## 3491	2014-04-03	10:08:00.0	60	10.598892	10.584707	10.619978	1.271696e-04
## 3492	2014-04-03	10:09:00.0	60	10.606703	10.571764	10.644396	4.454259e-04
## 3493	2014-04-03	10:10:00.0	60	10.588027	10.562980	10.621306	3.577321e-04
## 3494	2014-04-03	10:11:00.0	60	10.561149	10.526636	10.587086	2.525211e-04
## 3495	2014-04-03	10:12:00.0	60	10.499925	10.471710	10.529291	2.408540e-04
## 3496	2014-04-03	10:13:00.0	60	10.468924	10.451430	10.499348	2.055753e-04
## 3497	2014-04-03	10:14:00.0	60	10.663299	10.449672	10.848736	1.935657e-02
## 3498	2014-04-03	10:15:00.0	60	10.581134	10.504541	10.651327	2.296104e-03
## 3499	2014-04-03	10:16:00.0	60	10.500784	10.454612	10.590210	1.342006e-03
## 3500	2014-04-03	10:17:00.0	60	10.525225	10.495561	10.553553	2.652275e-04
## 3501	2014-04-03	10:18:00.0	60	10.482629	10.442040	10.505613	4.863636e-04
## 3502	2014-04-03	10:19:00.0	60	10.419360	10.410578	10.440071	5.647765e-05
## 3503	2014-04-03	10:20:00.0	60	10.403064	10.355166	10.428847	6.785537e-04
## 3504	2014-04-03	10:21:00.0	60	10.352246	10.340937	10.366153	3.680055e-05
## 3505	2014-04-03	10:22:00.0	60	10.374669	10.351282	10.417974	3.753236e-04
## 3506	2014-04-03	10:23:00.0	60	10.441457	10.417974	10.457754	6.190959e-05
## 3507	2014-04-03	10:24:00.0	60	10.439985	10.413172	10.462244	2.000768e-04
## 3508	2014-04-03	10:25:00.0	60	10.432546	10.414538	10.443739	4.983594e-05
## 3509	2014-04-03	10:26:00.0	60	10.447572	10.431247	10.470011	9.400087e-05
## 3510	2014-04-03	10:27:00.0	60	10.454112	10.432984	10.474736	2.203631e-04

## 3511	2014-04-03	10:28:00.0	60	10.494826	10.440206	10.550352	1.053264e-03
## 3512	2014-04-03	10:29:00.0	60	10.583871	10.507059	10.659174	2.310002e-03
## 3513	2014-04-03	10:30:00.0	60	10.636819	10.602780	10.682479	4.741638e-04
## 3514	2014-04-03	10:31:00.0	60	10.614530	10.592026	10.635418	1.557634e-04
## 3515	2014-04-03	10:32:00.0	60	10.684261	10.589215	10.933086	1.263804e-02
## 3516	2014-04-03	10:33:00.0	60	10.791090	10.661223	10.963151	1.314838e-02
## 3517	2014-04-03	10:34:00.0	60	10.870748	10.724429	10.936464	4.189291e-03
## 3518	2014-04-03	10:35:00.0	60	10.916482	10.848657	10.973673	1.852569e-03
## 3519	2014-04-03	10:36:00.0	60	10.835118	10.779300	10.953546	3.340815e-03
## 3520	2014-04-03	10:37:00.0	60	10.941727	10.776256	11.066421	7.464502e-03
## 3521	2014-04-03	10:38:00.0	60	10.893328	10.853224	11.002095	1.288238e-03
## 3522	2014-04-03	10:39:00.0	60	11.120347	11.006059	11.190137	2.926567e-03
## 3523	2014-04-03	10:40:00.0	60	10.890304	10.795054	11.000711	2.883922e-03
## 3524	2014-04-03	10:41:00.0	60	10.788959	10.751698	10.826852	2.922679e-04
## 3525	2014-04-03	10:42:00.0	60	10.823451	10.761595	10.858516	7.043380e-04
## 3526	2014-04-03	10:43:00.0	60	10.625281	10.517482	10.759310	5.424888e-03
## 3527	2014-04-03	10:44:00.0	60	10.438104	10.368515	10.513695	2.235085e-03
## 3528	2014-04-03	10:45:00.0	60	10.326603	10.296630	10.369804	5.770411e-04
## 3529	2014-04-03	10:46:00.0	60	10.308745	10.299910	10.318217	2.260966e-05
## 3530	2014-04-03	10:47:00.0	60	10.254958	10.228672	10.309746	7.284303e-04
## 3531	2014-04-03	10:48:00.0	60	10.235569	10.216572	10.258766	1.507718e-04
## 3532	2014-04-03	10:49:00.0	60	10.284235	10.228360	10.352042	2.181873e-03
## 3533	2014-04-03	10:50:00.0	60	10.322258	10.283926	10.356237	5.167877e-04
## 3534	2014-04-03	10:51:00.0	60	10.399499	10.344275	10.469640	2.564025e-03
## 3535	2014-04-03	10:52:00.0	60	10.461207	10.431170	10.497319	3.233461e-04
## 3536	2014-04-03	10:53:00.0	60	10.507137	10.437922	10.587068	2.735493e-03
## 3537	2014-04-03	10:54:00.0	60	10.745110	10.589742	10.901775	9.175848e-03
## 3538	2014-04-03	10:55:00.0	60	10.769355	10.710004	10.886392	2.013161e-03
## 3539	2014-04-03	10:56:00.0	60	10.741300	10.690892	10.815745	1.432637e-03
## 3540	2014-04-03	10:57:00.0	60	10.821576	10.702917	10.918542	4.629640e-03
## 3541	2014-04-03	10:58:00.0	60	10.832242	10.785996	10.911281	1.442992e-03
## 3542	2014-04-03	10:59:00.0	60	10.904860	10.862087	10.943042	4.754033e-04
## 3543	2014-04-03	11:00:00.0	60	10.750080	10.638852	10.862441	5.341599e-03
## 3544	2014-04-03	11:01:00.0	60	10.648990	10.601181	10.735712	1.509006e-03
## 3545	2014-04-03	11:02:00.0	60	10.596339	10.544787	10.616874	4.925929e-04
## 3546	2014-04-03	11:03:00.0	60	10.535336	10.506511	10.557807	2.648684e-04
## 3547	2014-04-03	11:04:00.0	60	10.528305	10.508054	10.567471	2.526035e-04
## 3548	2014-04-03	11:05:00.0	60	10.620290	10.570144	10.639652	2.047666e-04
## 3549	2014-04-03	11:06:00.0	60	10.669292	10.610491	10.766945	2.650417e-03
## 3550	2014-04-03	11:07:00.0	60	10.793873	10.742915	10.843368	7.909614e-04
## 3551	2014-04-03	11:08:00.0	60	10.935284	10.849849	11.021754	2.575410e-03
## 3552	2014-04-03	11:09:00.0	60	11.107934	11.004204	11.194782	4.589270e-03
## 3553	2014-04-03	11:10:00.0	60	11.056024	10.957939	11.156831	3.164265e-03
## 3554	2014-04-03	11:11:00.0	60	10.851704	10.810475	10.948781	1.738712e-03
## 3555	2014-04-03	11:12:00.0	60	10.837521	10.811841	10.855138	1.738954e-04
## 3556	2014-04-03	11:13:00.0	60	10.841172	10.805595	10.885026	7.645924e-04
## 3557	2014-04-03	11:14:00.0	60	10.875017	10.796968	10.937538	1.789826e-03
## 3558	2014-04-03	11:15:00.0	60	10.830107	10.798567	10.868707	4.116522e-04
## 3559	2014-04-03	11:16:00.0	60	10.805441	10.794624	10.818166	2.657069e-05
## 3560	2014-04-03	11:17:00.0	60	10.844246	10.801867	10.873468	4.870545e-04
## 3561	2014-04-03	11:18:00.0	60	10.903019	10.857853	10.939099	7.960166e-04
## 3562	2014-04-03	11:19:00.0	60	10.946711	10.922936	10.973361	1.273866e-04
## 3563	2014-04-03	11:20:00.0	60	10.973224	10.944311	11.041726	1.119892e-03
## 3564	2014-04-03	11:21:00.0	60	11.099738	11.028801	11.157690	2.363442e-03

## 3565	2014-04-03	11:22:00.0	60	11.157760	11.129985	11.215673	5.358200e-04
## 3566	2014-04-03	11:23:00.0	60	11.425254	11.219498	11.587277	1.373700e-02
## 3567	2014-04-03	11:24:00.0	60	11.680958	11.592237	11.738290	1.596979e-03
## 3568	2014-04-03	11:25:00.0	60	11.717891	11.685686	11.776698	1.086280e-03
## 3569	2014-04-03	11:26:00.0	60	11.795621	11.754496	11.843322	8.681121e-04
## 3570	2014-04-03	11:27:00.0	60	11.716019	11.677583	11.786754	1.066934e-03
## 3571	2014-04-03	11:28:00.0	60	11.778645	11.738720	11.825690	7.355905e-04
## 3572	2014-04-03	11:29:00.0	60	11.883754	11.817254	11.947500	1.336499e-03
## 3573	2014-04-03	11:30:00.0	60	11.972460	11.941877	12.013817	5.108456e-04
## 3574	2014-04-03	11:31:00.0	60	12.022714	11.988997	12.066913	8.393891e-04
## 3575	2014-04-03	11:32:00.0	60	12.078492	12.031742	12.118722	6.552683e-04
## 3576	2014-04-03	11:33:00.0	60	12.072873	12.032935	12.112707	4.476376e-04
## 3577	2014-04-03	11:34:00.0	60	12.078059	12.053613	12.132488	4.437960e-04
## 3578	2014-04-03	11:35:00.0	60	12.111967	12.088511	12.141726	3.612963e-04
## 3579	2014-04-03	11:36:00.0	60	12.075923	12.043907	12.124776	5.563541e-04
## 3580	2014-04-03	11:37:00.0	60	12.163869	12.114463	12.242985	1.515481e-03
## 3581	2014-04-03	11:38:00.0	60	12.223527	12.181252	12.268254	7.721561e-04
## 3582	2014-04-03	11:39:00.0	60	12.328782	12.253764	12.414709	2.436246e-03
## 3583	2014-04-03	11:40:00.0	60	12.422603	12.388693	12.443554	2.076475e-04
## 3584	2014-04-03	11:41:00.0	60	12.459739	12.435958	12.520290	5.373896e-04
## 3585	2014-04-03	11:42:00.0	60	12.545009	12.517323	12.580582	3.144467e-04
## 3586	2014-04-03	11:43:00.0	60	12.622567	12.549215	12.664469	1.054666e-03
## 3587	2014-04-03	11:44:00.0	60	12.703674	12.651013	12.760685	1.548874e-03
## 3588	2014-04-03	11:45:00.0	60	12.780305	12.732949	12.812016	5.818842e-04
## 3589	2014-04-03	11:46:00.0	60	12.728162	12.687615	12.794435	1.187142e-03
## 3590	2014-04-03	11:47:00.0	60	12.769761	12.691875	12.815885	1.746236e-03
## 3591	2014-04-03	11:48:00.0	60	12.854081	12.791857	12.942221	2.133857e-03
## 3592	2014-04-03	11:49:00.0	60	12.969930	12.943161	13.002621	3.859067e-04
## 3593	2014-04-03	11:50:00.0	60	12.934476	12.899368	12.967694	4.441345e-04
## 3594	2014-04-03	11:51:00.0	60	12.914955	12.882099	12.944019	2.802978e-04
## 3595	2014-04-03	11:52:00.0	60	12.941157	12.916322	12.975313	2.971356e-04
## 3596	2014-04-03	11:53:00.0	60	12.958845	12.930677	13.006508	4.180533e-04
## 3597	2014-04-03	11:54:00.0	60	12.950948	12.915951	13.022036	1.212097e-03
## 3598	2014-04-03	11:55:00.0	60	12.968788	12.922553	13.030867	1.272439e-03
## 3599	2014-04-03	11:56:00.0	60	13.028661	12.995394	13.052958	1.970517e-04
## 3600	2014-04-03	11:57:00.0	60	13.034347	12.997736	13.068704	4.212093e-04
## 3601	2014-04-03	11:58:00.0	60	13.008546	12.970175	13.067219	7.028866e-04
## 3602	2014-04-03	11:59:00.0	60	13.106867	13.058273	13.150317	1.081862e-03
## 3603	2014-04-03	12:00:00.0	60	13.148260	13.083198	13.210308	1.917076e-03
## 3604	2014-04-03	12:01:00.0	60	13.255071	13.198763	13.344498	1.798224e-03
## 3605	2014-04-03	12:02:00.0	60	13.395552	13.354031	13.444698	7.497368e-04
## 3606	2014-04-03	12:03:00.0	60	13.454361	13.397966	13.507489	1.130019e-03
## 3607	2014-04-03	12:04:00.0	60	13.585537	13.511296	13.661890	1.587382e-03
## 3608	2014-04-03	12:05:00.0	60	13.664518	13.597358	13.724234	1.924715e-03
## 3609	2014-04-03	12:06:00.0	60	13.708285	13.668610	13.748578	3.865673e-04
## 3610	2014-04-03	12:07:00.0	60	13.760434	13.681721	13.851879	4.125549e-03
## 3611	2014-04-03	12:08:00.0	60	13.873662	13.828548	13.902328	5.617364e-04
## 3612	2014-04-03	12:09:00.0	60	13.949752	13.877886	14.013135	1.528237e-03
## 3613	2014-04-03	12:10:00.0	60	14.188042	14.025720	14.266281	3.919414e-03
## 3614	2014-04-03	12:11:00.0	60	14.299518	14.237303	14.349255	1.559791e-03
## 3615	2014-04-03	12:12:00.0	60	14.330941	14.283595	14.376475	6.604667e-04
## 3616	2014-04-03	12:13:00.0	60	14.415980	14.316347	14.487085	3.135264e-03
## 3617	2014-04-03	12:14:00.0	60	14.532210	14.480694	14.610576	1.302467e-03
## 3618	2014-04-03	12:15:00.0	60	14.628552	14.602581	14.675031	4.140949e-04

## 3619	2014-04-03	12:16:00.0	60	14.630091	14.603091	14.660821	2.086957e-04
## 3620	2014-04-03	12:17:00.0	60	14.711199	14.662717	14.756194	8.457641e-04
## 3621	2014-04-03	12:18:00.0	60	14.814620	14.739425	14.882472	2.393827e-03
## 3622	2014-04-03	12:19:00.0	60	14.967127	14.888961	15.044521	2.066401e-03
## 3623	2014-04-03	12:20:00.0	60	15.132845	15.049096	15.188341	1.723572e-03
## 3624	2014-04-03	12:21:00.0	60	15.177114	15.136973	15.261134	1.156573e-03
## 3625	2014-04-03	12:22:00.0	60	15.251360	15.229039	15.272725	1.774814e-04
## 3626	2014-04-03	12:23:00.0	60	15.338270	15.265592	15.435400	3.596757e-03
## 3627	2014-04-03	12:24:00.0	60	15.444553	15.431160	15.461673	9.913091e-05
## 3628	2014-04-03	12:25:00.0	60	15.500965	15.445370	15.567705	1.614068e-03
## 3629	2014-04-03	12:26:00.0	60	15.560061	15.530190	15.604105	4.923671e-04
## 3630	2014-04-03	12:27:00.0	60	15.616686	15.548254	15.716181	2.160157e-03
## 3631	2014-04-03	12:28:00.0	60	15.811891	15.721910	15.861693	1.862449e-03
## 3632	2014-04-03	12:29:00.0	60	15.912570	15.863239	15.973545	1.463242e-03
## 3633	2014-04-03	12:30:00.0	60	15.990077	15.973524	16.028875	2.500672e-04
## 3634	2014-04-03	12:31:00.0	60	16.059098	16.034974	16.088936	1.720320e-04
## 3635	2014-04-03	12:32:00.0	60	16.093846	16.085613	16.104715	1.909139e-05
## 3636	2014-04-03	12:33:00.0	60	16.114042	16.090971	16.142215	1.452241e-04
## 3637	2014-04-03	12:34:00.0	60	16.183250	16.144778	16.220739	5.633214e-04
## 3638	2014-04-03	12:35:00.0	60	16.225134	16.213525	16.235383	4.114224e-05
## 3639	2014-04-03	12:36:00.0	60	16.222838	16.194147	16.266181	5.152097e-04
## 3640	2014-04-03	12:37:00.0	60	16.299995	16.268095	16.339348	4.914516e-04
## 3641	2014-04-03	12:38:00.0	60	16.340483	16.330060	16.358549	6.208099e-05
## 3642	2014-04-03	12:39:00.0	60	16.330628	16.312227	16.341380	8.046510e-05
## 3643	2014-04-03	12:40:00.0	60	16.320421	16.308532	16.334009	5.516370e-05
## 3644	2014-04-03	12:41:00.0	60	16.353513	16.335399	16.370769	1.016889e-04
## 3645	2014-04-03	12:42:00.0	60	16.357009	16.341245	16.367584	6.047406e-05
## 3646	2014-04-03	12:43:00.0	60	16.344525	16.326482	16.367837	1.795336e-04
## 3647	2014-04-03	12:44:00.0	60	16.372842	16.360602	16.381582	3.428290e-05
## 3648	2014-04-03	12:45:00.0	60	16.374584	16.368716	16.380567	7.252688e-06
## 3649	2014-04-03	12:46:00.0	60	16.386754	16.369362	16.424094	1.446005e-04
## 3650	2014-04-03	12:47:00.0	60	16.433306	16.423077	16.442004	2.241194e-05
## 3651	2014-04-03	12:48:00.0	60	16.496486	16.434008	16.581741	1.818284e-03
## 3652	2014-04-03	12:49:00.0	60	16.602960	16.565724	16.638001	4.298887e-04
## 3653	2014-04-03	12:50:00.0	60	16.730676	16.641812	16.800115	1.533642e-03
## 3654	2014-04-03	12:51:00.0	60	16.916098	16.805083	17.022965	4.107800e-03
## 3655	2014-04-03	12:52:00.0	60	17.085536	17.027543	17.180643	3.151898e-03
## 3656	2014-04-03	12:53:00.0	60	17.126621	17.094860	17.160809	4.818768e-04
## 3657	2014-04-03	12:54:00.0	60	17.195256	17.093842	17.301437	5.228559e-03
## 3658	2014-04-03	12:55:00.0	60	17.291850	17.276870	17.305016	5.048872e-05
## 3659	2014-04-03	12:56:00.0	60	17.373265	17.304506	17.473541	2.072198e-03
## 3660	2014-04-03	12:57:00.0	60	17.686631	17.478118	17.883271	1.740839e-02
## 3661	2014-04-03	12:58:00.0	60	17.794787	17.680004	17.898451	4.990600e-03
## 3662	2014-04-03	12:59:00.0	60	17.701784	17.646378	17.856472	3.941735e-03
## 3663	2014-04-03	13:00:00.0	60	17.939966	17.857233	18.027510	2.282891e-03
## 3664	2014-04-03	13:01:00.0	60	17.953977	17.828400	18.031461	3.078589e-03
## 3665	2014-04-03	13:02:00.0	60	17.762785	17.736126	17.823821	5.768869e-04
## 3666	2014-04-03	13:03:00.0	60	17.845299	17.740839	17.941959	3.248863e-03
## 3667	2014-04-03	13:04:00.0	60	17.958639	17.920205	18.062763	1.691347e-03
## 3668	2014-04-03	13:05:00.0	60	18.006917	17.977760	18.068904	6.232131e-04
## 3669	2014-04-03	13:06:00.0	60	18.086581	18.028018	18.116425	7.039852e-04
## 3670	2014-04-03	13:07:00.0	60	18.152997	18.105001	18.194467	7.733476e-04
## 3671	2014-04-03	13:08:00.0	60	18.098061	18.048754	18.150369	1.180822e-03
## 3672	2014-04-03	13:09:00.0	60	18.155427	18.044452	18.420931	1.552434e-02

## 3673	2014-04-03	13:10:00.0	60	18.493871	18.426291	18.534315	6.994658e-04
## 3674	2014-04-03	13:11:00.0	60	18.556807	18.441437	18.697874	7.094640e-03
## 3675	2014-04-03	13:12:00.0	60	18.436380	18.408332	18.505984	7.391696e-04
## 3676	2014-04-03	13:13:00.0	60	18.597918	18.430635	18.779510	1.327236e-02
## 3677	2014-04-03	13:14:00.0	60	18.852499	18.787533	18.945000	1.593752e-03
## 3678	2014-04-03	13:15:00.0	60	18.713742	18.556386	18.950537	1.603849e-02
## 3679	2014-04-03	13:16:00.0	60	19.055933	18.966212	19.142963	2.405841e-03
## 3680	2014-04-03	13:17:00.0	60	19.216548	19.059322	19.325124	7.373346e-03
## 3681	2014-04-03	13:18:00.0	60	19.279081	19.180088	19.433062	5.642392e-03
## 3682	2014-04-03	13:19:00.0	60	19.367071	19.317297	19.458035	1.443759e-03
## 3683	2014-04-03	13:20:00.0	60	19.448263	19.352544	19.574018	2.602956e-03
## 3684	2014-04-03	13:21:00.0	60	19.460675	19.345558	19.626650	8.931895e-03
## 3685	2014-04-03	13:22:00.0	60	19.380965	19.283283	19.487626	5.798526e-03
## 3686	2014-04-03	13:23:00.0	60	19.394750	19.317941	19.533171	3.561722e-03
## 3687	2014-04-03	13:24:00.0	60	19.548352	19.454180	19.656499	3.715416e-03
## 3688	2014-04-03	13:25:00.0	60	19.591925	19.451517	19.656263	4.560795e-03
## 3689	2014-04-03	13:26:00.0	60	19.677503	19.630739	19.777950	1.722596e-03
## 3690	2014-04-03	13:27:00.0	60	20.034867	19.770690	20.424983	4.298050e-02
## 3691	2014-04-03	13:28:00.0	60	20.275555	20.124480	20.419245	8.078063e-03
## 3692	2014-04-03	13:29:00.0	60	20.501150	20.148520	20.766861	5.694184e-02
## 3693	2014-04-03	13:30:00.0	60	20.537124	20.398886	20.758285	1.018884e-02
## 3694	2014-04-03	13:31:00.0	60	20.454219	20.355033	20.579492	4.917838e-03
## 3695	2014-04-03	13:32:00.0	60	20.568865	20.412864	20.876234	2.213286e-02
## 3696	2014-04-03	13:33:00.0	60	20.792432	20.660840	20.905410	5.469119e-03
## 3697	2014-04-03	13:34:00.0	60	20.573856	20.374473	20.732401	1.585897e-02
## 3698	2014-04-03	13:35:00.0	60	20.545794	20.458655	20.655279	4.178825e-03
## 3699	2014-04-03	13:36:00.0	60	20.786523	20.555175	21.055965	2.994901e-02
## 3700	2014-04-03	13:37:00.0	60	20.817749	20.727350	21.022500	6.293312e-03
## 3701	2014-04-03	13:38:00.0	60	20.796425	20.669984	20.923051	5.961691e-03
## 3702	2014-04-03	13:39:00.0	60	20.782821	20.679086	20.862979	2.545179e-03
## 3703	2014-04-03	13:40:00.0	60	20.730141	20.586010	20.920857	6.431245e-03
## 3704	2014-04-03	13:41:00.0	60	20.962878	20.885299	21.053360	2.478088e-03
## 3705	2014-04-03	13:42:00.0	60	20.934202	20.800714	21.071315	6.203213e-03
## 3706	2014-04-03	13:43:00.0	60	21.115303	20.980109	21.194623	3.679593e-03
## 3707	2014-04-03	13:44:00.0	60	20.825378	20.701505	21.116333	1.304594e-02
## 3708	2014-04-03	13:45:00.0	60	20.939449	20.726940	21.276220	3.873726e-02
## 3709	2014-04-03	13:46:00.0	60	21.658616	21.303363	22.019753	3.232971e-02
## 3710	2014-04-03	13:47:00.0	60	22.122237	22.004731	22.273354	4.970206e-03
## 3711	2014-04-03	13:48:00.0	60	22.025573	21.911872	22.177139	4.874026e-03
## 3712	2014-04-03	13:49:00.0	60	21.752181	21.534231	22.131108	2.722101e-02
## 3713	2014-04-03	13:50:00.0	60	21.752962	21.364070	21.985105	3.387588e-02
## 3714	2014-04-03	13:51:00.0	60	21.667701	21.354904	21.930890	2.699188e-02
## 3715	2014-04-03	13:52:00.0	60	21.627094	21.474148	21.803894	1.019392e-02
## 3716	2014-04-03	13:53:00.0	60	21.781713	21.610434	21.997815	1.775589e-02
## 3717	2014-04-03	13:54:00.0	60	21.886888	21.650620	22.114536	1.871953e-02
## 3718	2014-04-03	13:55:00.0	60	22.307365	22.064783	22.632565	3.642716e-02
## 3719	2014-04-03	13:56:00.0	60	22.338683	22.086133	22.627981	2.918970e-02
## 3720	2014-04-03	13:57:00.0	60	22.321541	22.099904	22.467618	7.732725e-03
## 3721	2014-04-03	13:58:00.0	60	22.370962	21.953610	22.697019	7.212141e-02
## 3722	2014-04-03	13:59:00.0	60	22.058942	21.892050	22.279113	1.433635e-02
## 3723	2014-04-03	14:00:00.0	60	21.863130	21.740790	22.064568	8.809317e-03
## 3724	2014-04-03	14:01:00.0	60	21.755034	21.510906	22.041220	3.129180e-02
## 3725	2014-04-03	14:02:00.0	60	21.987787	21.572948	22.399212	3.840203e-02
## 3726	2014-04-03	14:03:00.0	60	22.642437	22.410299	22.768055	9.413960e-03

## 3727	2014-04-03	14:04:00.0	60	22.596192	22.333863	23.063720	5.279489e-02
## 3728	2014-04-03	14:05:00.0	60	22.946788	22.762845	23.131708	1.058811e-02
## 3729	2014-04-03	14:06:00.0	60	22.906403	22.727894	23.118660	1.780618e-02
## 3730	2014-04-03	14:07:00.0	60	23.102287	22.889407	23.287265	1.686519e-02
## 3731	2014-04-03	14:08:00.0	60	23.043448	22.827831	23.286207	2.381550e-02
## 3732	2014-04-03	14:09:00.0	60	22.986756	22.832492	23.120560	1.270056e-02
## 3733	2014-04-03	14:10:00.0	60	23.047097	22.990111	23.154555	1.997538e-03
## 3734	2014-04-03	14:11:00.0	60	23.076645	22.916523	23.215904	6.427756e-03
## 3735	2014-04-03	14:12:00.0	60	22.686287	22.523742	22.888231	8.922554e-03
## 3736	2014-04-03	14:13:00.0	60	22.812105	22.675703	22.876691	1.961996e-03
## 3737	2014-04-03	14:14:00.0	60	22.893753	22.765803	23.045520	6.287620e-03
## 3738	2014-04-03	14:15:00.0	60	23.711851	22.999770	24.102176	1.151817e-01
## 3739	2014-04-03	14:16:00.0	60	23.475923	23.267358	23.924475	2.972190e-02
## 3740	2014-04-03	14:17:00.0	60	23.682928	23.257797	23.923691	2.562364e-02
## 3741	2014-04-03	14:18:00.0	60	22.767853	22.430947	23.227954	5.763146e-02
## 3742	2014-04-03	14:19:00.0	60	22.439083	22.306734	22.627804	7.719327e-03
## 3743	2014-04-03	14:20:00.0	60	22.898130	22.562648	23.077672	2.504195e-02
## 3744	2014-04-03	14:21:00.0	60	22.954677	22.789410	23.168192	1.343934e-02
## 3745	2014-04-03	14:22:00.0	60	22.943643	22.770878	23.183359	1.235867e-02
## 3746	2014-04-03	14:23:00.0	60	23.146131	22.932529	23.312033	1.386588e-02
## 3747	2014-04-03	14:24:00.0	60	23.026797	22.647709	23.216510	2.403624e-02
## 3748	2014-04-03	14:25:00.0	60	22.732714	22.549992	22.947321	1.425162e-02
## 3749	2014-04-03	14:26:00.0	60	23.021011	22.874498	23.325180	9.559131e-03
## 3750	2014-04-03	14:27:00.0	60	23.568298	23.191275	23.997184	6.427749e-02
## 3751	2014-04-03	14:28:00.0	60	23.819823	23.549506	24.035853	1.800392e-02
## 3752	2014-04-03	14:29:00.0	60	23.644802	23.455116	24.119364	3.044902e-02
## 3753	2014-04-03	14:30:00.0	60	24.256381	24.144411	24.416952	8.038256e-03
## 3754	2014-04-03	14:31:00.0	60	24.010283	23.845828	24.193157	1.046986e-02
## 3755	2014-04-03	14:32:00.0	60	24.249029	23.840010	24.702021	7.888954e-02
## 3756	2014-04-03	14:33:00.0	60	24.317363	23.813747	24.617046	9.186427e-02
## 3757	2014-04-03	14:34:00.0	60	24.475344	24.375810	24.640020	6.307162e-03
## 3758	2014-04-03	14:35:00.0	60	24.503219	24.241665	24.638217	7.522487e-03
## 3759	2014-04-03	14:36:00.0	60	24.285516	24.134631	24.533267	1.261879e-02
## 3760	2014-04-03	14:37:00.0	60	24.068229	23.890924	24.500808	2.960483e-02
## 3761	2014-04-03	14:38:00.0	60	24.423707	24.155465	24.551046	1.379794e-02
## 3762	2014-04-03	14:39:00.0	60	24.701848	24.443669	24.872805	1.167295e-02
## 3763	2014-04-03	14:40:00.0	60	24.511391	24.220714	24.825247	3.598849e-02
## 3764	2014-04-03	14:41:00.0	60	24.434281	24.315440	24.555966	4.619082e-03
## 3765	2014-04-03	14:42:00.0	60	24.233540	24.010002	24.664228	2.933558e-02
## 3766	2014-04-03	14:43:00.0	60	24.526653	23.990482	25.016523	1.322680e-01
## 3767	2014-04-03	14:44:00.0	60	24.293894	24.088848	24.743462	5.761208e-02
## 3768	2014-04-03	14:45:00.0	60	24.938579	24.757812	25.313916	2.328549e-02
## 3769	2014-04-03	14:46:00.0	60	24.719762	24.426302	25.226355	5.414954e-02
## 3770	2014-04-03	14:47:00.0	60	24.940183	24.758360	25.136112	1.621796e-02
## 3771	2014-04-03	14:48:00.0	60	25.852002	25.046184	26.532177	2.525888e-01
## 3772	2014-04-03	14:49:00.0	60	26.045325	25.817189	26.269524	1.472629e-02
## 3773	2014-04-03	14:50:00.0	60	25.670065	25.382716	26.220593	6.194653e-02
## 3774	2014-04-03	14:51:00.0	60	25.560443	25.411322	25.761577	1.103268e-02
## 3775	2014-04-03	14:52:00.0	60	25.830163	25.634004	26.028601	1.054341e-02
## 3776	2014-04-03	14:53:00.0	60	26.188604	25.971554	26.461217	2.061814e-02
## 3777	2014-04-03	14:54:00.0	60	25.597308	24.884764	26.122007	1.633350e-01
## 3778	2014-04-03	14:55:00.0	60	25.247781	24.872903	25.375148	2.267212e-02
## 3779	2014-04-03	14:56:00.0	60	25.160846	24.937300	25.350932	1.464519e-02
## 3780	2014-04-03	14:57:00.0	60	25.200530	24.772730	25.924078	1.686622e-01



## 3781	2014-04-03	14:58:00.0	60	26.121676	25.760027	26.410890	3.491249e-02
## 3782	2014-04-03	14:59:00.0	60	25.855753	25.572865	26.200767	3.607871e-02
## 3783	2014-04-03	15:00:00.0	60	25.052742	24.896034	25.569416	2.973097e-02
## 3784	2014-04-03	15:01:00.0	60	25.270436	24.993252	25.556396	3.761455e-02
## 3785	2014-04-03	15:02:00.0	60	25.746846	25.322522	25.931766	3.410968e-02
## 3786	2014-04-03	15:03:00.0	60	25.689483	25.494868	25.852563	8.322697e-03
## 3787	2014-04-03	15:04:00.0	60	25.437028	24.960257	25.911450	8.882717e-02
## 3788	2014-04-03	15:05:00.0	60	24.950390	24.865159	25.254196	7.337356e-03
## 3789	2014-04-03	15:06:00.0	60	25.899405	25.288251	26.176566	4.317257e-02
## 3790	2014-04-03	15:07:00.0	60	26.457211	25.993500	26.782649	6.784417e-02
## 3791	2014-04-03	15:08:00.0	60	26.098862	25.867995	26.370801	2.399615e-02
## 3792	2014-04-03	15:09:00.0	60	26.513929	26.178879	26.990870	8.335739e-02
## 3793	2014-04-03	15:10:00.0	60	26.568237	26.068627	27.010446	8.151673e-02
## 3794	2014-04-03	15:11:00.0	60	26.469710	26.011266	26.919113	6.298764e-02
## 3795	2014-04-03	15:12:00.0	60	25.776980	25.561356	25.981792	1.279202e-02
## 3796	2014-04-03	15:13:00.0	60	26.281199	25.906939	26.601668	5.690506e-02
## 3797	2014-04-03	15:14:00.0	60	25.920555	25.713338	26.137618	1.283713e-02
## 3798	2014-04-03	15:15:00.0	60	25.469209	25.285113	25.685378	1.225172e-02
## 3799	2014-04-03	15:16:00.0	60	25.482692	25.341953	25.645495	7.681709e-03
## 3800	2014-04-03	15:17:00.0	60	25.811276	25.532572	26.174939	4.371411e-02
## 3801	2014-04-03	15:18:00.0	60	25.822023	25.595630	25.996441	9.569391e-03
## 3802	2014-04-03	15:19:00.0	60	25.445546	25.227494	25.727692	1.802973e-02
## 3803	2014-04-03	15:20:00.0	60	25.794274	25.515533	26.027169	2.411255e-02
## 3804	2014-04-03	15:21:00.0	60	26.084998	25.702515	26.253365	2.433588e-02
## 3805	2014-04-03	15:22:00.0	60	26.869437	26.170546	27.244143	9.051186e-02
## 3806	2014-04-03	15:23:00.0	60	26.399689	26.218671	26.975019	2.907082e-02
## 3807	2014-04-03	15:24:00.0	60	26.328430	25.956161	26.491106	1.657298e-02
## 3808	2014-04-03	15:25:00.0	60	25.995437	25.832600	26.132441	1.167060e-02
## 3809	2014-04-03	15:26:00.0	60	26.099298	25.852013	26.481459	3.502874e-02
## 3810	2014-04-03	15:27:00.0	60	25.942073	25.795185	26.165191	1.266270e-02
## 3811	2014-04-03	15:28:00.0	60	26.694098	25.917393	27.166770	1.917656e-01
## 3812	2014-04-03	15:29:00.0	60	26.472522	26.063116	27.037456	9.277259e-02
## 3813	2014-04-03	15:30:00.0	60	26.532308	26.272760	26.815387	2.044380e-02
## 3814	2014-04-03	15:31:00.0	60	26.153913	25.669808	26.525470	6.980483e-02
## 3815	2014-04-03	15:32:00.0	60	26.563358	26.236400	27.131205	8.131363e-02
## 3816	2014-04-03	15:33:00.0	60	26.882574	26.600982	27.164417	2.249490e-02
## 3817	2014-04-03	15:34:00.0	60	27.460541	27.122555	27.855540	5.081664e-02
## 3818	2014-04-03	15:35:00.0	60	27.882136	27.068079	28.192140	8.689856e-02
## 3819	2014-04-03	15:36:00.0	60	26.870335	26.073843	27.179817	8.769844e-02
## 3820	2014-04-03	15:37:00.0	60	25.928150	25.733144	26.225182	1.255450e-02
## 3821	2014-04-03	15:38:00.0	60	26.992043	26.127362	27.667339	3.083561e-01
## 3822	2014-04-03	15:39:00.0	60	27.235420	27.016977	27.492824	2.735700e-02
## 3823	2014-04-03	15:40:00.0	60	26.885969	26.661314	27.193882	3.070282e-02
## 3824	2014-04-03	15:41:00.0	60	25.953090	25.458966	26.745930	1.914273e-01
## 3825	2014-04-03	15:42:00.0	60	26.573039	25.795167	27.314688	2.555201e-01
## 3826	2014-04-03	15:43:00.0	60	27.269528	26.879529	27.910284	1.465589e-01
## 3827	2014-04-03	15:44:00.0	60	27.151944	26.758680	27.804390	1.105433e-01
## 3828	2014-04-03	15:45:00.0	60	26.786176	26.516192	27.206692	5.333348e-02
## 3829	2014-04-03	15:46:00.0	60	26.947060	26.655764	27.120945	1.793947e-02
## 3830	2014-04-03	15:47:00.0	60	26.401092	26.243363	26.792889	2.269851e-02
## 3831	2014-04-03	15:48:00.0	60	26.319016	25.734282	27.709209	3.436517e-01
## 3832	2014-04-03	15:49:00.0	60	27.459869	27.236511	27.796580	2.569324e-02
## 3833	2014-04-03	15:50:00.0	60	27.793203	27.276922	28.124146	6.948616e-02
## 3834	2014-04-03	15:51:00.0	60	26.825512	26.571934	27.234020	2.844163e-02

## 3835	2014-04-03	15:52:00.0	60	27.403565	26.800304	28.181327	1.607107e-01
## 3836	2014-04-03	15:53:00.0	60	28.010685	27.755316	28.250578	2.585998e-02
## 3837	2014-04-03	15:54:00.0	60	28.088963	27.755887	28.352053	4.095644e-02
## 3838	2014-04-03	15:55:00.0	60	27.594379	27.219739	27.878949	3.551515e-02
## 3839	2014-04-03	15:56:00.0	60	27.351201	27.095935	27.579640	2.570995e-02
## 3840	2014-04-03	15:57:00.0	60	26.968504	26.479024	27.237609	4.282695e-02
## 3841	2014-04-03	15:58:00.0	60	26.648517	26.418165	26.871780	1.733875e-02
## 3842	2014-04-03	15:59:00.0	60	26.754429	26.374312	27.127929	4.452598e-02
## 3843	2014-04-03	16:00:00.0	60	27.337799	27.029277	27.976411	7.382034e-02
## 3844	2014-04-03	16:01:00.0	60	27.502906	27.118590	28.166690	9.996877e-02
## 3845	2014-04-03	16:02:00.0	60	28.089451	27.746861	28.868699	1.266721e-01
## 3846	2014-04-03	16:03:00.0	60	27.709720	26.955833	28.821063	4.405387e-01
## 3847	2014-04-03	16:04:00.0	60	26.880171	26.529177	27.213128	5.271246e-02
## 3848	2014-04-03	16:05:00.0	60	26.597183	26.356426	26.762014	1.304754e-02
## 3849	2014-04-03	16:06:00.0	60	26.239853	25.865604	26.528118	4.604308e-02
## 3850	2014-04-03	16:07:00.0	60	25.914806	25.686729	26.086492	1.093307e-02
## 3851	2014-04-03	16:08:00.0	60	26.595365	26.063252	26.775098	2.330465e-02
## 3852	2014-04-03	16:09:00.0	60	27.002092	26.647154	27.515798	6.838111e-02
## 3853	2014-04-03	16:10:00.0	60	27.686409	27.443835	27.947527	1.645059e-02
## 3854	2014-04-03	16:11:00.0	60	27.490824	27.366812	27.610578	4.774407e-03
## 3855	2014-04-03	16:12:00.0	60	27.579541	27.285888	27.765560	2.112041e-02
## 3856	2014-04-03	16:13:00.0	60	27.614098	27.342919	27.980256	3.815528e-02
## 3857	2014-04-03	16:14:00.0	60	27.376557	27.197569	27.605890	1.531309e-02
## 3858	2014-04-03	16:15:00.0	60	27.195147	27.012210	27.413839	1.376802e-02
## 3859	2014-04-03	16:16:00.0	60	27.430295	27.118631	27.643462	2.457501e-02
## 3860	2014-04-03	16:17:00.0	60	27.411943	27.155511	27.648170	2.350287e-02
## 3861	2014-04-03	16:18:00.0	60	28.235947	27.626453	28.546652	8.202781e-02
## 3862	2014-04-03	16:19:00.0	60	28.130355	27.742545	28.543866	5.602669e-02
## 3863	2014-04-03	16:20:00.0	60	27.923952	27.777881	28.065377	9.524935e-03
## 3864	2014-04-03	16:21:00.0	60	27.513271	26.668004	27.861036	1.285285e-01
## 3865	2014-04-03	16:22:00.0	60	26.823874	26.615476	27.089579	1.626864e-02
## 3866	2014-04-03	16:23:00.0	60	27.164963	26.791652	27.452390	2.675064e-02
## 3867	2014-04-03	16:24:00.0	60	27.583092	27.098779	28.108115	9.361853e-02
## 3868	2014-04-03	16:25:00.0	60	27.704708	27.064333	28.128542	1.189277e-01
## 3869	2014-04-03	16:26:00.0	60	28.008582	27.759478	28.247910	2.308348e-02
## 3870	2014-04-03	16:27:00.0	60	28.682793	28.161235	29.062424	7.623165e-02
## 3871	2014-04-03	16:28:00.0	60	27.817902	27.567553	28.234016	1.914769e-02
## 3872	2014-04-03	16:29:00.0	60	27.653282	27.298072	27.943525	4.254004e-02
## 3873	2014-04-03	16:30:00.0	60	27.316971	26.782649	27.588409	5.792763e-02
## 3874	2014-04-03	16:31:00.0	60	27.657859	26.779589	28.528203	3.499627e-01
## 3875	2014-04-03	16:32:00.0	60	28.065648	27.495473	28.697810	2.023316e-01
## 3876	2014-04-03	16:33:00.0	60	27.749433	27.424217	28.376584	7.133431e-02
## 3877	2014-04-03	16:34:00.0	60	27.556678	26.851441	28.298283	2.821763e-01
## 3878	2014-04-03	16:35:00.0	60	26.704900	26.514721	26.897223	1.476313e-02
## 3879	2014-04-03	16:36:00.0	60	27.177151	26.581192	27.897414	2.381136e-01
## 3880	2014-04-03	16:37:00.0	60	27.642945	27.457687	28.140965	3.474498e-02
## 3881	2014-04-03	16:38:00.0	60	28.486089	28.149010	28.765795	2.786582e-02
## 3882	2014-04-03	16:39:00.0	60	29.014978	28.651020	29.368777	4.287957e-02
## 3883	2014-04-03	16:40:00.0	60	28.423040	27.886386	28.809661	9.367505e-02
## 3884	2014-04-03	16:41:00.0	60	27.418372	27.179130	27.878342	3.397640e-02
## 3885	2014-04-03	16:42:00.0	60	27.011843	26.658646	27.162278	2.934833e-02
## 3886	2014-04-03	16:43:00.0	60	27.805081	27.018350	28.108076	1.054422e-01
## 3887	2014-04-03	16:44:00.0	60	27.988788	27.855620	28.119437	5.367605e-03
## 3888	2014-04-03	16:45:00.0	60	27.633422	27.517447	27.838764	8.380583e-03

## 3889	2014-04-03	16:46:00.0	60	27.003313	26.706840	27.589803	6.493203e-02
## 3890	2014-04-03	16:47:00.0	60	26.723876	26.638053	26.906638	3.463410e-03
## 3891	2014-04-03	16:48:00.0	60	26.759441	26.387060	27.091932	5.747233e-02
## 3892	2014-04-03	16:49:00.0	60	26.261485	26.034819	26.799265	4.071994e-02
## 3893	2014-04-03	16:50:00.0	60	27.317059	26.851734	27.590294	3.135838e-02
## 3894	2014-04-03	16:51:00.0	60	27.457679	26.960739	27.733735	3.541511e-02
## 3895	2014-04-03	16:52:00.0	60	26.233319	25.927119	26.911346	7.790041e-02
## 3896	2014-04-03	16:53:00.0	60	26.625690	26.310473	26.910953	3.919351e-02
## 3897	2014-04-03	16:54:00.0	60	27.003969	26.814192	27.172460	1.215766e-02
## 3898	2014-04-03	16:55:00.0	60	27.117093	26.996459	27.196098	2.144317e-03
## 3899	2014-04-03	16:56:00.0	60	27.345605	26.929608	27.830368	6.987182e-02
## 3900	2014-04-03	16:57:00.0	60	27.676146	27.235999	28.111942	1.040506e-01
## 3901	2014-04-03	16:58:00.0	60	27.285088	27.103821	27.492842	1.797391e-02
## 3902	2014-04-03	16:59:00.0	60	27.464429	27.308488	27.618838	9.022452e-03
## 3903	2014-04-03	17:00:00.0	60	27.442229	27.261366	27.592333	1.404785e-02
## 3904	2014-04-03	17:01:00.0	60	27.340398	27.143230	27.587331	2.447616e-02
## 3905	2014-04-03	17:02:00.0	60	27.343154	27.157511	27.509619	1.463813e-02
## 3906	2014-04-03	17:03:00.0	60	27.240417	27.020667	27.379271	9.571029e-03
## 3907	2014-04-03	17:04:00.0	60	26.813928	26.519153	27.503064	7.725534e-02
## 3908	2014-04-03	17:05:00.0	60	27.674058	27.478051	27.980040	1.540562e-02
## 3909	2014-04-03	17:06:00.0	60	27.730750	27.510540	28.042831	4.467677e-02
## 3910	2014-04-03	17:07:00.0	60	27.208992	26.849322	27.530551	4.400944e-02
## 3911	2014-04-03	17:08:00.0	60	26.491661	26.233400	26.842810	2.922818e-02
## 3912	2014-04-03	17:09:00.0	60	26.683138	26.341971	27.096779	7.371602e-02
## 3913	2014-04-03	17:10:00.0	60	27.812203	27.136993	28.348481	1.537194e-01
## 3914	2014-04-03	17:11:00.0	60	28.135283	27.878833	28.666604	6.466979e-02
## 3915	2014-04-03	17:12:00.0	60	28.475697	28.371777	28.618284	3.832915e-03
## 3916	2014-04-03	17:13:00.0	60	28.072543	27.819949	28.463716	3.157957e-02
## 3917	2014-04-03	17:14:00.0	60	27.445910	27.208929	27.903005	6.518349e-02
## 3918	2014-04-03	17:15:00.0	60	27.065489	26.902126	27.248360	1.423720e-02
## 3919	2014-04-03	17:16:00.0	60	27.130497	26.960384	27.233490	5.378370e-03
## 3920	2014-04-03	17:17:00.0	60	27.072562	26.880097	27.239550	1.342053e-02
## 3921	2014-04-03	17:18:00.0	60	27.062641	26.869034	27.214853	6.110495e-03
## 3922	2014-04-03	17:19:00.0	60	26.799072	26.671161	27.109606	1.045349e-02
## 3923	2014-04-03	17:20:00.0	60	27.528610	27.131048	27.707012	2.750996e-02
## 3924	2014-04-03	17:21:00.0	60	27.779589	27.329833	28.081644	4.574247e-02
## 3925	2014-04-03	17:22:00.0	60	27.099029	26.963583	27.301877	7.825678e-03
## 3926	2014-04-03	17:23:00.0	60	27.429124	27.221070	27.572380	1.170265e-02
## 3927	2014-04-03	17:24:00.0	60	27.622800	27.225053	28.132683	1.049035e-01
## 3928	2014-04-03	17:25:00.0	60	27.886205	27.751551	28.010396	4.025543e-03
## 3929	2014-04-03	17:26:00.0	60	27.184426	26.740087	27.769188	9.508345e-02
## 3930	2014-04-03	17:27:00.0	60	26.605305	26.452430	26.743930	8.065151e-03
## 3931	2014-04-03	17:28:00.0	60	27.198225	26.708860	27.611502	7.518358e-02
## 3932	2014-04-03	17:29:00.0	60	27.695570	27.506870	27.920607	2.000836e-02
## 3933	2014-04-03	17:30:00.0	60	27.662430	27.482327	27.923097	2.606487e-02
## 3934	2014-04-03	17:31:00.0	60	27.546461	27.251754	27.895470	3.947767e-02
## 3935	2014-04-03	17:32:00.0	60	27.953685	27.698909	28.296379	2.257091e-02
## 3936	2014-04-03	17:33:00.0	60	27.725397	27.176716	28.414931	1.848726e-01
## 3937	2014-04-03	17:34:00.0	60	26.910730	26.564481	27.254264	6.721710e-02
## 3938	2014-04-03	17:35:00.0	60	26.923060	26.527940	27.209340	4.366595e-02
## 3939	2014-04-03	17:36:00.0	60	26.252258	26.091494	26.508405	1.271366e-02
## 3940	2014-04-03	17:37:00.0	60	26.915662	26.330871	27.121593	4.512782e-02
## 3941	2014-04-03	17:38:00.0	60	27.461603	27.098013	27.666966	3.302060e-02
## 3942	2014-04-03	17:39:00.0	60	27.821816	27.662494	28.392753	3.524174e-02

## 3943	2014-04-03	17:40:00.0	60	28.856233	28.439128	29.090256	2.976559e-02
## 3944	2014-04-03	17:41:00.0	60	28.914544	28.793293	29.080562	7.011380e-03
## 3945	2014-04-03	17:42:00.0	60	28.953224	28.712038	29.141017	2.082517e-02
## 3946	2014-04-03	17:43:00.0	60	28.785647	28.439912	29.125608	4.381977e-02
## 3947	2014-04-03	17:44:00.0	60	28.454672	27.926432	28.629471	3.360528e-02
## 3948	2014-04-03	17:45:00.0	60	27.675789	27.231489	27.942406	5.520350e-02
## 3949	2014-04-03	17:46:00.0	60	27.412376	27.206476	27.648543	1.714357e-02
## 3950	2014-04-03	17:47:00.0	60	28.106473	27.668851	28.634024	6.186520e-02
## 3951	2014-04-03	17:48:00.0	60	28.812071	28.661225	28.972998	5.722561e-03
## 3952	2014-04-03	17:49:00.0	60	28.681525	28.467641	28.909660	2.556731e-02
## 3953	2014-04-03	17:50:00.0	60	28.982094	28.774608	29.345554	2.459155e-02
## 3954	2014-04-03	17:51:00.0	60	29.278758	28.605726	29.585558	9.021880e-02
## 3955	2014-04-03	17:52:00.0	60	28.487018	28.343673	28.609101	7.196586e-03
## 3956	2014-04-03	17:53:00.0	60	28.588639	28.221516	28.991096	6.106783e-02
## 3957	2014-04-03	17:54:00.0	60	29.191419	28.617324	29.720861	1.566251e-01
## 3958	2014-04-03	17:55:00.0	60	29.233328	28.576403	29.692180	7.039995e-02
## 3959	2014-04-03	17:56:00.0	60	28.401855	28.188843	28.589731	1.916014e-02
## 3960	2014-04-03	17:57:00.0	60	28.668900	28.326365	28.863438	1.965243e-02
## 3961	2014-04-03	17:58:00.0	60	28.167926	28.067635	28.349620	6.809936e-03
## 3962	2014-04-03	17:59:00.0	60	27.911058	27.666576	28.328446	3.792075e-02
## 3963	2014-04-03	18:00:00.0	60	28.202780	27.719372	29.011922	1.403208e-01
## 3964	2014-04-03	18:01:00.0	60	29.401783	28.889053	29.739689	5.022094e-02
## 3965	2014-04-03	18:02:00.0	60	28.283656	28.069381	28.854174	6.258069e-02
## 3966	2014-04-03	18:03:00.0	60	28.202173	28.047286	28.684855	3.641336e-02
## 3967	2014-04-03	18:04:00.0	60	29.054568	28.720105	29.231762	1.338779e-02
## 3968	2014-04-03	18:05:00.0	60	28.925014	28.735630	29.181098	1.344902e-02
## 3969	2014-04-03	18:06:00.0	60	29.591644	29.214429	29.929657	3.097344e-02
## 3970	2014-04-03	18:07:00.0	60	29.126677	28.726423	29.523938	6.163091e-02
## 3971	2014-04-03	18:08:00.0	60	28.959035	28.756336	29.198982	1.354333e-02
## 3972	2014-04-03	18:09:00.0	60	29.197180	28.802909	30.002713	1.389395e-01
## 3973	2014-04-03	18:10:00.0	60	29.921943	29.416066	30.288200	8.488983e-02
## 3974	2014-04-03	18:11:00.0	60	29.417373	29.305491	29.500989	2.870427e-03
## 3975	2014-04-03	18:12:00.0	60	29.462516	29.351621	29.556230	3.715309e-03
## 3976	2014-04-03	18:13:00.0	60	29.387516	28.889424	29.890094	1.277385e-01
## 3977	2014-04-03	18:14:00.0	60	28.600260	28.306231	29.203397	7.458316e-02
## 3978	2014-04-03	18:15:00.0	60	28.997470	28.703521	29.472680	6.931845e-02
## 3979	2014-04-03	18:16:00.0	60	29.113120	28.928640	29.356468	9.182753e-03
## 3980	2014-04-03	18:17:00.0	60	29.490067	29.385895	29.606722	4.612916e-03
## 3981	2014-04-03	18:18:00.0	60	29.984005	29.474113	30.343318	6.232597e-02
## 3982	2014-04-03	18:19:00.0	60	30.625274	30.355590	30.840003	1.380688e-02
## 3983	2014-04-03	18:20:00.0	60	30.100370	29.306039	30.810957	2.082500e-01
## 3984	2014-04-03	18:21:00.0	60	29.416227	29.215587	29.579867	1.297203e-02
## 3985	2014-04-03	18:22:00.0	60	29.058600	28.891819	29.217275	1.027920e-02
## 3986	2014-04-03	18:23:00.0	60	29.602789	29.221497	30.057353	6.555689e-02
## 3987	2014-04-03	18:24:00.0	60	30.625580	29.963466	31.298874	1.901515e-01
## 3988	2014-04-03	18:25:00.0	60	30.407944	29.827327	31.172582	1.937817e-01
## 3989	2014-04-03	18:26:00.0	60	30.119370	29.835161	30.399673	3.819144e-02
## 3990	2014-04-03	18:27:00.0	60	29.964697	29.740199	30.291500	2.065070e-02
## 3991	2014-04-03	18:28:00.0	60	30.215791	30.001339	30.536462	1.657272e-02
## 3992	2014-04-03	18:29:00.0	60	30.555253	30.144629	30.802121	3.565192e-02
## 3993	2014-04-03	18:30:00.0	60	30.377008	30.135421	30.472897	1.046988e-02
## 3994	2014-04-03	18:31:00.0	60	30.649820	30.430424	30.927652	2.164601e-02
## 3995	2014-04-03	18:32:00.0	60	30.716259	30.334580	31.131081	6.327524e-02
## 3996	2014-04-03	18:33:00.0	60	30.474770	29.946834	31.014595	1.379094e-01

## 3997	2014-04-03	18:34:00.0	60	30.755453	30.557393	30.950886	9.818789e-03
## 3998	2014-04-03	18:35:00.0	60	30.593730	30.240840	31.031704	6.059660e-02
## 3999	2014-04-03	18:36:00.0	60	30.591847	30.007544	31.140626	1.253436e-01
## 4000	2014-04-03	18:37:00.0	60	30.640830	30.155801	31.017208	7.431672e-02
## 4001	2014-04-03	18:38:00.0	60	29.703872	28.972195	30.723468	2.836108e-01
## 4002	2014-04-03	18:39:00.0	60	29.328872	28.989741	29.831844	7.555874e-02
## 4003	2014-04-03	18:40:00.0	60	30.285388	29.853302	30.849136	7.916112e-02
## 4004	2014-04-03	18:41:00.0	60	31.423581	30.874823	31.866679	8.440576e-02
## 4005	2014-04-03	18:42:00.0	60	30.900201	30.116099	31.573060	2.070518e-01
## 4006	2014-04-03	18:43:00.0	60	30.020247	29.878845	30.139917	7.615111e-03
## 4007	2014-04-03	18:44:00.0	60	30.938898	30.171294	31.487398	1.650637e-01
## 4008	2014-04-03	18:45:00.0	60	31.172392	30.691026	31.469582	4.214519e-02
## 4009	2014-04-03	18:46:00.0	60	30.147970	29.640724	30.751003	1.018832e-01
## 4010	2014-04-03	18:47:00.0	60	29.333060	28.953646	29.626157	5.765934e-02
## 4011	2014-04-03	18:48:00.0	60	29.409471	29.064408	29.873485	8.531569e-02
## 4012	2014-04-03	18:49:00.0	60	29.652590	29.254295	29.855088	3.236074e-02
## 4013	2014-04-03	18:50:00.0	60	29.250730	29.100758	29.411257	5.943199e-03
## 4014	2014-04-03	18:51:00.0	60	29.478837	29.247858	29.694025	1.861159e-02
## 4015	2014-04-03	18:52:00.0	60	28.688290	28.428962	29.215294	4.844561e-02
## 4016	2014-04-03	18:53:00.0	60	28.834439	28.674905	29.094810	1.833960e-02
## 4017	2014-04-03	18:54:00.0	60	29.085793	28.952095	29.166711	3.107085e-03
## 4018	2014-04-03	18:55:00.0	60	29.443735	28.867287	30.032596	1.185834e-01
## 4019	2014-04-03	18:56:00.0	60	30.478449	30.073610	30.907955	7.937322e-02
## 4020	2014-04-03	18:57:00.0	60	30.798203	30.564227	31.013143	2.219860e-02
## 4021	2014-04-03	18:58:00.0	60	30.381763	30.143234	30.848292	4.494374e-02
## 4022	2014-04-03	18:59:00.0	60	30.262833	30.059376	30.519514	1.807781e-02
## 4023	2014-04-03	19:00:00.0	60	30.078194	29.722058	30.308365	3.580345e-02
## 4024	2014-04-03	19:01:00.0	60	29.669122	29.273219	29.913341	4.049821e-02
## 4025	2014-04-03	19:02:00.0	60	28.945634	28.597777	29.279520	4.279839e-02
## 4026	2014-04-03	19:03:00.0	60	29.054153	28.512347	29.921921	2.310376e-01
## 4027	2014-04-03	19:04:00.0	60	29.405365	29.153736	29.880927	4.597899e-02
## 4028	2014-04-03	19:05:00.0	60	29.195944	29.123095	29.281619	1.610672e-03
## 4029	2014-04-03	19:06:00.0	60	28.878908	28.456475	29.211151	5.221722e-02
## 4030	2014-04-03	19:07:00.0	60	28.691633	28.431277	29.087470	4.556795e-02
## 4031	2014-04-03	19:08:00.0	60	29.184854	29.026445	29.367933	1.330544e-02
## 4032	2014-04-03	19:09:00.0	60	29.149967	28.879002	29.393138	1.828906e-02
## 4033	2014-04-03	19:10:00.0	60	28.952376	28.825146	29.056301	6.878728e-03
## 4034	2014-04-03	19:11:00.0	60	29.047693	28.982342	29.135501	2.527588e-03
## 4035	2014-04-03	19:12:00.0	60	28.964922	28.844597	29.048449	3.906298e-03
## 4036	2014-04-03	19:13:00.0	60	29.050850	28.825871	29.279363	2.186910e-02
## 4037	2014-04-03	19:14:00.0	60	29.357397	29.124803	29.468126	1.101829e-02
## 4038	2014-04-03	19:15:00.0	60	29.387711	29.115618	29.581418	1.524926e-02
## 4039	2014-04-03	19:16:00.0	60	29.297608	29.121996	29.518578	1.618651e-02
## 4040	2014-04-03	19:17:00.0	60	29.911592	29.525096	30.332892	6.271647e-02
## 4041	2014-04-03	19:18:00.0	60	29.726965	29.111417	30.209385	9.257028e-02
## 4042	2014-04-03	19:19:00.0	60	29.271090	28.979615	29.561039	4.787538e-02
## 4043	2014-04-03	19:20:00.0	60	29.685908	29.432026	29.993897	4.166711e-02
## 4044	2014-04-03	19:21:00.0	60	29.600500	29.477332	29.768705	5.109312e-03
## 4045	2014-04-03	19:22:00.0	60	29.697637	29.463826	30.016280	2.633361e-02
## 4046	2014-04-03	19:23:00.0	60	31.158220	30.030476	32.032346	4.210190e-01
## 4047	2014-04-03	19:24:00.0	60	32.062285	31.777355	32.352313	3.019347e-02
## 4048	2014-04-03	19:25:00.0	60	32.268311	31.963941	32.610276	4.734296e-02
## 4049	2014-04-03	19:26:00.0	60	31.301154	30.285745	32.357912	3.234007e-01
## 4050	2014-04-03	19:27:00.0	60	30.446894	30.048557	30.809209	7.195824e-02

## 4051	2014-04-03	19:28:00.0	60	30.651047	30.447527	30.980482	2.422404e-02
## 4052	2014-04-03	19:29:00.0	60	31.517411	30.517277	32.008890	2.735295e-01
## 4053	2014-04-03	19:30:00.0	60	30.896064	30.405958	31.686030	1.357595e-01
## 4054	2014-04-03	19:31:00.0	60	30.127673	29.758320	30.858483	8.897473e-02
## 4055	2014-04-03	19:32:00.0	60	30.823469	30.648865	31.067231	1.923416e-02
## 4056	2014-04-03	19:33:00.0	60	30.957013	30.725767	31.290605	1.951597e-02
## 4057	2014-04-03	19:34:00.0	60	31.842375	31.334700	32.311444	5.511598e-02
## 4058	2014-04-03	19:35:00.0	60	32.539934	32.149338	33.021480	5.328437e-02
## 4059	2014-04-03	19:36:00.0	60	31.513970	30.761036	32.110222	2.268085e-01
## 4060	2014-04-03	19:37:00.0	60	30.868962	30.588676	31.192458	2.794282e-02
## 4061	2014-04-03	19:38:00.0	60	31.057710	30.584061	31.420753	7.122552e-02
## 4062	2014-04-03	19:39:00.0	60	31.276124	30.890005	31.555028	4.179286e-02
## 4063	2014-04-03	19:40:00.0	60	31.299899	31.096359	31.461018	1.146863e-02
## 4064	2014-04-03	19:41:00.0	60	31.151107	30.747525	31.553516	7.602194e-02
## 4065	2014-04-03	19:42:00.0	60	31.215632	30.787569	31.645229	6.207366e-02
## 4066	2014-04-03	19:43:00.0	60	30.922371	30.607548	31.273026	4.232687e-02
## 4067	2014-04-03	19:44:00.0	60	30.942775	30.677065	31.277485	3.066586e-02
## 4068	2014-04-03	19:45:00.0	60	30.948873	30.675924	31.440139	6.868108e-02
## 4069	2014-04-03	19:46:00.0	60	31.068760	30.703144	31.426213	2.260558e-02
## 4070	2014-04-03	19:47:00.0	60	30.683975	30.460172	30.985864	1.741049e-02
## 4071	2014-04-03	19:48:00.0	60	30.861830	30.335268	31.381723	1.488728e-01
## 4072	2014-04-03	19:49:00.0	60	31.580176	31.279959	31.890584	4.422160e-02
## 4073	2014-04-03	19:50:00.0	60	30.890002	30.561223	31.494449	8.647464e-02
## 4074	2014-04-03	19:51:00.0	60	30.722412	30.395392	31.186468	5.238432e-02
## 4075	2014-04-03	19:52:00.0	60	30.890821	30.610750	31.152705	2.408305e-02
## 4076	2014-04-03	19:53:00.0	60	30.575568	30.019657	31.044135	1.247600e-01
## 4077	2014-04-03	19:54:00.0	60	30.381218	30.115000	30.681150	1.148016e-02
## 4078	2014-04-03	19:55:00.0	60	31.433613	30.699924	31.907913	1.644759e-01
## 4079	2014-04-03	19:56:00.0	60	31.091705	30.575402	31.431084	4.841717e-02
## 4080	2014-04-03	19:57:00.0	60	30.683190	30.409098	30.879948	2.642857e-02
## 4081	2014-04-03	19:58:00.0	60	30.974807	30.767008	31.292844	1.747912e-02
## 4082	2014-04-03	19:59:00.0	60	30.786372	30.572651	31.031861	1.380287e-02
## 4083	2014-04-03	20:00:00.0	60	30.646867	30.406429	30.964084	2.138457e-02
## 4084	2014-04-03	20:01:00.0	60	30.675377	30.470384	30.913394	2.191527e-02
## 4085	2014-04-03	20:02:00.0	60	31.134435	30.862725	31.466814	3.902614e-02
## 4086	2014-04-03	20:03:00.0	60	30.882549	30.743855	31.319675	2.070121e-02
## 4087	2014-04-03	20:04:00.0	60	30.356022	30.136558	30.725687	2.893064e-02
## 4088	2014-04-03	20:05:00.0	60	30.303422	30.155978	30.543059	1.115146e-02
## 4089	2014-04-03	20:06:00.0	60	29.983228	29.617638	30.462784	6.100803e-02
## 4090	2014-04-03	20:07:00.0	60	30.590770	30.251266	30.805892	3.050900e-02
## 4091	2014-04-03	20:08:00.0	60	30.668922	30.526643	30.907718	1.550132e-02
## 4092	2014-04-03	20:09:00.0	60	30.773975	30.445915	31.209153	4.253849e-02
## 4093	2014-04-03	20:10:00.0	60	31.852873	31.251715	32.360132	1.293199e-01
## 4094	2014-04-03	20:11:00.0	60	32.417712	32.033898	32.673370	2.742753e-02
## 4095	2014-04-03	20:12:00.0	60	32.130910	31.602406	32.471771	8.230986e-02
## 4096	2014-04-03	20:13:00.0	60	30.776054	30.275929	31.620617	1.538352e-01
## 4097	2014-04-03	20:14:00.0	60	30.847796	30.495284	31.191673	5.053176e-02
## 4098	2014-04-03	20:15:00.0	60	31.803631	31.227320	32.154702	5.717040e-02
## 4099	2014-04-03	20:16:00.0	60	31.578235	31.454616	31.815699	1.196074e-02
## 4100	2014-04-03	20:17:00.0	60	31.379417	31.177236	31.549724	1.056672e-02
## 4101	2014-04-03	20:18:00.0	60	31.621532	31.329790	31.990069	3.740157e-02
## 4102	2014-04-03	20:19:00.0	60	31.672267	31.467617	31.925358	1.620368e-02
## 4103	2014-04-03	20:20:00.0	60	31.805076	31.499812	32.132659	4.761562e-02
## 4104	2014-04-03	20:21:00.0	60	32.345981	31.826681	32.888323	9.903830e-02

## 4105	2014-04-03	20:22:00.0	60	32.125639	31.749086	32.411431	4.941381e-02
## 4106	2014-04-03	20:23:00.0	60	32.165143	31.945494	32.419703	2.575610e-02
## 4107	2014-04-03	20:24:00.0	60	32.150351	31.857013	32.479002	3.973704e-02
## 4108	2014-04-03	20:25:00.0	60	32.098412	31.745237	32.511225	6.266404e-02
## 4109	2014-04-03	20:26:00.0	60	31.472681	31.206169	31.784956	2.329713e-02
## 4110	2014-04-03	20:27:00.0	60	31.276206	30.997490	31.625723	4.570397e-02
## 4111	2014-04-03	20:28:00.0	60	31.411248	31.109143	31.616706	1.694971e-02
## 4112	2014-04-03	20:29:00.0	60	31.495764	31.204931	31.883985	2.732896e-02
## 4113	2014-04-03	20:30:00.0	60	32.004056	31.840982	32.232561	1.247043e-02
## 4114	2014-04-03	20:31:00.0	60	31.527833	31.386182	31.944099	1.512722e-02
## 4115	2014-04-03	20:32:00.0	60	30.847839	30.464611	31.415369	8.977847e-02
## 4116	2014-04-03	20:33:00.0	60	31.280023	30.771994	31.875421	8.791737e-02
## 4117	2014-04-03	20:34:00.0	60	31.696201	31.105765	32.019283	6.842906e-02
## 4118	2014-04-03	20:35:00.0	60	31.136211	31.021077	31.265208	6.104522e-03
## 4119	2014-04-03	20:36:00.0	60	30.890644	30.715574	31.127724	1.735571e-02
## 4120	2014-04-03	20:37:00.0	60	31.251042	31.085240	31.555244	1.726296e-02
## 4121	2014-04-03	20:38:00.0	60	31.459544	31.024496	31.883475	1.036970e-01
## 4122	2014-04-03	20:39:00.0	60	31.488945	31.264443	31.742505	1.182832e-02
## 4123	2014-04-03	20:40:00.0	60	31.473756	31.205618	31.785821	3.939806e-02
## 4124	2014-04-03	20:41:00.0	60	31.541169	31.353890	31.744037	6.804362e-03
## 4125	2014-04-03	20:42:00.0	60	31.729667	31.482017	31.908758	1.395959e-02
## 4126	2014-04-03	20:43:00.0	60	31.621240	31.361768	31.861864	2.396147e-02
## 4127	2014-04-03	20:44:00.0	60	30.821135	30.340196	31.332246	5.963541e-02
## 4128	2014-04-03	20:45:00.0	60	30.378955	29.957732	30.987100	9.060161e-02
## 4129	2014-04-03	20:46:00.0	60	30.883048	30.635354	31.074104	1.950657e-02
## 4130	2014-04-03	20:47:00.0	60	31.375781	30.932090	31.790358	4.855881e-02
## 4131	2014-04-03	20:48:00.0	60	31.680703	31.582960	31.763268	2.909396e-03
## 4132	2014-04-03	20:49:00.0	60	31.685177	31.287520	32.009735	3.619062e-02
## 4133	2014-04-03	20:50:00.0	60	31.413744	31.126506	31.705359	4.087473e-02
## 4134	2014-04-03	20:51:00.0	60	31.207145	30.769304	31.422205	4.936874e-02
## 4135	2014-04-03	20:52:00.0	60	30.816443	30.544513	31.105116	3.095372e-02
## 4136	2014-04-03	20:53:00.0	60	30.881353	30.745700	31.016601	4.588693e-03
## 4137	2014-04-03	20:54:00.0	60	31.652039	31.024653	32.180283	1.414662e-01
## 4138	2014-04-03	20:55:00.0	60	31.651937	30.927711	32.083287	1.346637e-01
## 4139	2014-04-03	20:56:00.0	60	30.723836	30.561146	30.914691	9.348045e-03
## 4140	2014-04-03	20:57:00.0	60	30.878987	30.669013	31.090368	1.673044e-02
## 4141	2014-04-03	20:58:00.0	60	31.135241	30.722861	31.621814	8.319097e-02
## 4142	2014-04-03	20:59:00.0	60	31.043777	30.689711	31.543104	6.335194e-02
## 4143	2014-04-03	21:00:00.0	60	30.446841	30.244826	30.694385	1.667838e-02
## 4144	2014-04-03	21:01:00.0	60	30.896542	30.245200	31.237536	8.073481e-02
## 4145	2014-04-03	21:02:00.0	60	30.997585	30.770462	31.277859	2.442219e-02
## 4146	2014-04-03	21:03:00.0	60	30.775054	30.490471	31.170342	3.046013e-02
## 4147	2014-04-03	21:04:00.0	60	30.828495	30.489451	31.034942	3.382322e-02
## 4148	2014-04-03	21:05:00.0	60	30.617353	30.343552	30.913394	3.031035e-02
## 4149	2014-04-03	21:06:00.0	60	31.049489	30.790082	31.391524	3.978512e-02
## 4150	2014-04-03	21:07:00.0	60	31.269921	31.122341	31.389305	6.851247e-03
## 4151	2014-04-03	21:08:00.0	60	31.064549	30.837784	31.400815	2.761264e-02
## 4152	2014-04-03	21:09:00.0	60	30.852333	30.550559	31.101955	2.576222e-02
## 4153	2014-04-03	21:10:00.0	60	30.773684	30.516294	30.912923	1.173668e-02
## 4154	2014-04-03	21:11:00.0	60	31.003535	30.710959	31.333325	3.882711e-02
## 4155	2014-04-03	21:12:00.0	60	31.513612	31.166002	31.750441	2.659958e-02
## 4156	2014-04-03	21:13:00.0	60	31.091708	30.655837	31.657253	9.063440e-02
## 4157	2014-04-03	21:14:00.0	60	30.959398	30.589973	31.490364	1.149414e-01
## 4158	2014-04-03	21:15:00.0	60	31.380093	31.011238	31.533166	1.550448e-02

## 4159	2014-04-03	21:16:00.0	60	30.713066	30.384652	31.049713	5.368120e-02
## 4160	2014-04-03	21:17:00.0	60	30.700254	30.487683	31.024730	3.075987e-02
## 4161	2014-04-03	21:18:00.0	60	30.171063	29.928656	30.482008	2.729148e-02
## 4162	2014-04-03	21:19:00.0	60	29.968286	29.772985	30.324232	2.388006e-02
## 4163	2014-04-03	21:20:00.0	60	30.845749	30.331518	31.134950	7.065755e-02
## 4164	2014-04-03	21:21:00.0	60	30.554359	30.237523	31.012456	5.681011e-02
## 4165	2014-04-03	21:22:00.0	60	30.514265	30.254310	30.615795	7.822587e-03
## 4166	2014-04-03	21:23:00.0	60	30.029716	29.641017	30.413555	5.764436e-02
## 4167	2014-04-03	21:24:00.0	60	30.062076	29.645513	30.565660	1.157453e-01
## 4168	2014-04-03	21:25:00.0	60	30.357152	30.194834	30.536993	1.069039e-02
## 4169	2014-04-03	21:26:00.0	60	30.317051	30.193205	30.568824	1.517205e-02
## 4170	2014-04-03	21:27:00.0	60	30.992019	30.530944	31.363202	8.300574e-02
## 4171	2014-04-03	21:28:00.0	60	31.125861	30.836351	31.512618	5.825806e-02
## 4172	2014-04-03	21:29:00.0	60	31.264535	30.910547	31.543457	2.382770e-02
## 4173	2014-04-03	21:30:00.0	60	31.497631	31.298050	31.714749	1.260823e-02
## 4174	2014-04-03	21:31:00.0	60	31.734134	31.515448	31.923352	1.511607e-02
## 4175	2014-04-03	21:32:00.0	60	31.090543	30.892067	31.679841	4.571399e-02
## 4176	2014-04-03	21:33:00.0	60	31.056218	30.956640	31.187451	3.956652e-03
## 4177	2014-04-03	21:34:00.0	60	30.730495	30.383808	31.042582	5.437031e-02
## 4178	2014-04-03	21:35:00.0	60	30.686122	30.551720	30.871976	9.472914e-03
## 4179	2014-04-03	21:36:00.0	60	30.579222	30.509010	30.684135	3.338857e-03
## 4180	2014-04-03	21:37:00.0	60	30.700741	30.543726	31.014459	1.939849e-02
## 4181	2014-04-03	21:38:00.0	60	30.994004	30.802218	31.208074	1.909945e-02
## 4182	2014-04-03	21:39:00.0	60	30.471931	30.198743	30.822445	4.685621e-02
## 4183	2014-04-03	21:40:00.0	60	30.449340	30.302535	30.623099	8.862790e-03
## 4184	2014-04-03	21:41:00.0	60	30.975993	30.658370	31.098421	9.827907e-03
## 4185	2014-04-03	21:42:00.0	60	30.880654	30.502804	31.106236	2.289618e-02
## 4186	2014-04-03	21:43:00.0	60	30.901816	30.454262	31.214065	6.658530e-02
## 4187	2014-04-03	21:44:00.0	60	31.222289	30.926277	31.507590	4.006961e-02
## 4188	2014-04-03	21:45:00.0	60	31.231016	30.882108	31.514348	2.716944e-02
## 4189	2014-04-03	21:46:00.0	60	30.532974	30.295033	30.862941	2.284897e-02
## 4190	2014-04-03	21:47:00.0	60	30.331930	30.211838	30.440714	4.162442e-03
## 4191	2014-04-03	21:48:00.0	60	30.652302	30.383041	30.843519	2.146597e-02
## 4192	2014-04-03	21:49:00.0	60	30.914039	30.770089	31.110224	1.113121e-02
## 4193	2014-04-03	21:50:00.0	60	30.692345	30.567822	30.915064	9.602354e-03
## 4194	2014-04-03	21:51:00.0	60	30.489414	30.424749	30.630543	3.783918e-03
## 4195	2014-04-03	21:52:00.0	60	30.348055	30.193303	30.457562	5.522734e-03
## 4196	2014-04-03	21:53:00.0	60	30.140962	29.953666	30.284901	1.738857e-02
## 4197	2014-04-03	21:54:00.0	60	30.339226	29.921293	30.623787	6.476415e-02
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## 4199	2014-04-03	21:56:00.0	60	30.230243	30.085667	30.437551	1.209638e-02
## 4200	2014-04-03	21:57:00.0	60	30.175814	29.878629	30.642327	6.540642e-02
## 4201	2014-04-03	21:58:00.0	60	30.332521	30.107657	30.628384	3.646045e-02
## 4202	2014-04-03	21:59:00.0	60	30.264910	30.093107	30.428872	1.500340e-02
## 4203	2014-04-03	22:00:00.0	60	30.324290	30.209776	30.431188	2.304973e-03
## 4204	2014-04-03	22:01:00.0	60	30.100623	29.872896	30.263892	1.506188e-02
## 4205	2014-04-03	22:02:00.0	60	29.724191	29.644905	29.872718	6.325994e-03
## 4206	2014-04-03	22:03:00.0	60	29.974962	29.678084	30.100982	1.393168e-02
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## 4208	2014-04-03	22:05:00.0	60	29.982661	29.871933	30.170017	7.116136e-03
## 4209	2014-04-03	22:06:00.0	60	29.956654	29.743459	30.216591	1.950234e-02
## 4210	2014-04-03	22:07:00.0	60	30.137001	30.002124	30.212762	4.119912e-03
## 4211	2014-04-03	22:08:00.0	60	29.978001	29.903367	30.043726	1.679253e-03
## 4212	2014-04-03	22:09:00.0	60	30.025353	29.963857	30.171510	3.150473e-03



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##	4215	2014-04-03	22:12:00.0	60	30.124295	30.060830	30.260770	2.586271e-03
##	4216	2014-04-03	22:13:00.0	60	30.264161	30.146062	30.379134	4.702851e-03
##	4217	2014-04-03	22:14:00.0	60	30.432322	30.158570	30.684980	2.386942e-02
##	4218	2014-04-03	22:15:00.0	60	30.286430	30.202570	30.413949	3.967382e-03
##	4219	2014-04-03	22:16:00.0	60	30.352899	30.144549	30.518355	1.200218e-02
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##	4221	2014-04-03	22:18:00.0	60	30.045393	29.932562	30.123461	2.601267e-03
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##	4224	2014-04-03	22:21:00.0	60	29.753016	29.636561	29.841131	3.293883e-03
##	4225	2014-04-03	22:22:00.0	60	29.788728	29.758281	29.840562	3.891462e-04
##	4226	2014-04-03	22:23:00.0	60	30.084611	29.832551	30.248576	9.592010e-03
##	4227	2014-04-03	22:24:00.0	60	30.081525	29.910593	30.238071	8.260014e-03
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##	4229	2014-04-03	22:26:00.0	60	29.915097	29.558155	30.118711	3.376125e-02
##	4230	2014-04-03	22:27:00.0	60	29.445092	29.363672	29.546650	3.042731e-03
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##	4232	2014-04-03	22:29:00.0	60	29.687044	29.596082	29.720076	8.805756e-04
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##	4235	2014-04-03	22:32:00.0	60	29.335046	29.177604	29.446867	8.712328e-03
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##	4238	2014-04-03	22:35:00.0	60	29.062573	28.958925	29.121191	2.678658e-03
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##	4241	2014-04-03	22:38:00.0	60	29.085215	29.004894	29.167025	2.244761e-03
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##	4244	2014-04-03	22:41:00.0	60	28.637116	28.604645	28.704228	7.447955e-04
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##	4248	2014-04-03	22:45:00.0	60	28.458118	28.437322	28.515820	3.904662e-04
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##	4259	2014-04-03	22:56:00.0	60	27.742109	27.708326	27.767149	2.578657e-04
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##	4261	2014-04-03	22:58:00.0	60	27.427716	27.344565	27.532297	3.330138e-03
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##	4263	2014-04-03	23:00:00.0	60	27.316730	27.233333	27.375877	2.877800e-03
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##	4265	2014-04-03	23:02:00.0	60	27.307957	27.245986	27.347704	6.939424e-04
##	4266	2014-04-03	23:03:00.0	57	27.167226	27.088067	27.245593	2.163392e-03

## 4267	2014-04-03	23:04:00.0	60	27.015686	26.931236	27.087322	2.684847e-03
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## 4269	2014-04-03	23:06:00.0	60	26.708262	26.664199	26.768881	1.231849e-03
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## 4271	2014-04-03	23:08:00.0	60	26.538043	26.469122	26.582035	1.537651e-03
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## 4274	2014-04-03	23:11:00.0	60	26.301022	26.251854	26.349698	9.223913e-04
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## 4276	2014-04-03	23:13:00.0	60	26.177206	26.156639	26.202687	1.761633e-04
## 4277	2014-04-03	23:14:00.0	60	26.117063	26.079569	26.163366	6.570214e-04
## 4278	2014-04-03	23:15:00.0	60	26.069474	26.020170	26.105456	6.128856e-04
## 4279	2014-04-03	23:16:00.0	60	25.969717	25.913077	26.023915	1.406113e-03
## 4280	2014-04-03	23:17:00.0	60	25.921018	25.888369	25.942826	2.859723e-04
## 4281	2014-04-03	23:18:00.0	60	25.913273	25.866486	25.957749	1.215164e-03
## 4282	2014-04-03	23:19:00.0	60	25.797499	25.750849	25.872310	1.554838e-03
## 4283	2014-04-03	23:20:00.0	60	25.744722	25.735066	25.758989	4.280609e-05
## 4284	2014-04-03	23:21:00.0	60	25.713550	25.690554	25.740594	2.687445e-04
## 4285	2014-04-03	23:22:00.0	60	25.694475	25.649689	25.742026	8.049586e-04
## 4286	2014-04-03	23:23:00.0	60	25.614021	25.546435	25.681376	2.382486e-03
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## 4288	2014-04-03	23:25:00.0	60	25.565895	25.505770	25.681749	3.501430e-03
## 4289	2014-04-03	23:26:00.0	60	25.473938	25.459261	25.509887	2.148313e-04
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## 4293	2014-04-03	23:30:00.0	60	25.242826	25.216123	25.265979	1.922229e-04
## 4294	2014-04-03	23:31:00.0	60	25.172516	25.147601	25.217279	5.096018e-04
## 4295	2014-04-03	23:32:00.0	60	25.072049	24.985233	25.170009	3.925307e-03
## 4296	2014-04-03	23:33:00.0	60	25.161620	25.028207	25.243961	3.824143e-03
## 4297	2014-04-03	23:34:00.0	60	25.014675	24.904287	25.096040	3.461658e-03
## 4298	2014-04-03	23:35:00.0	60	24.907429	24.853398	24.953003	9.558435e-04
## 4299	2014-04-03	23:36:00.0	60	24.946618	24.832734	25.026187	4.957697e-03
## 4300	2014-04-03	23:37:00.0	60	24.924254	24.762103	25.030853	8.488898e-03
## 4301	2014-04-03	23:38:00.0	60	24.694371	24.635157	24.768319	2.579597e-03
## 4302	2014-04-03	23:39:00.0	60	24.572199	24.539500	24.625591	5.131026e-04
## 4303	2014-04-03	23:40:00.0	60	24.549003	24.427851	24.647782	7.324640e-03
## 4304	2014-04-03	23:41:00.0	60	24.524326	24.379554	24.747658	1.584021e-02
## 4305	2014-04-03	23:42:00.0	60	24.604805	24.453881	24.766710	1.192770e-02
## 4306	2014-04-03	23:43:00.0	60	24.448403	24.407760	24.481616	4.198958e-04
## 4307	2014-04-03	23:44:00.0	60	24.432260	24.393137	24.485616	9.317017e-04
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## 4312	2014-04-03	23:49:00.0	60	24.057815	23.977350	24.179711	3.335827e-03
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## 4314	2014-04-03	23:51:00.0	60	24.026477	23.867721	24.121833	8.320625e-03
## 4315	2014-04-03	23:52:00.0	60	24.143933	24.112171	24.161523	2.343184e-04
## 4316	2014-04-03	23:53:00.0	60	24.147849	24.094297	24.212912	1.389852e-03
## 4317	2014-04-03	23:54:00.0	60	24.085612	24.029659	24.169656	1.891821e-03
## 4318	2014-04-03	23:55:00.0	60	24.067122	23.971198	24.171752	5.382498e-03
## 4319	2014-04-03	23:56:00.0	60	23.898344	23.871227	23.970805	7.347399e-04
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## 4323 2014-04-04 00:00:00.0      60 23.664649 23.588757 23.758249 2.542847e-03
##          stdErr uncertainty
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## 2      0.0045718658 0.013061110
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## 4      0.0044248514 0.012868326
## 5      0.0076664234 0.017883720
## 6      0.0079206164 0.018312395
## 7      0.0047745015 0.013347127
## 8      0.0167948747 0.034909693
## 9      0.0171878150 0.035670847
## 10     0.0060363310 0.015228816
## 11     0.0038068019 0.012062454
## 12     0.0059053323 0.015022943
## 13     0.0088373093 0.019925434
## 14     0.0040899486 0.012417455
## 15     0.0075697207 0.017718950
## 16     0.0147947433 0.031053295
## 17     0.0083837548 0.019115378
## 18     0.0143318926 0.030164853
## 19     0.0073325343 0.017314876
## 20     0.0127101979 0.027078904
## 21     0.0072297027 0.017141189
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## 4166 0.0309957963 0.062883708  
## 4167 0.0439213910 0.088592053  
## 4168 0.0133481549 0.028401770  
## 4169 0.0159018091 0.033276613  
## 4170 0.0371944757 0.075197024  
## 4171 0.0311603540 0.063213654  
## 4172 0.0199280785 0.041086767  
## 4173 0.0144961069 0.030591564  
## 4174 0.0158724440 0.033228804  
## 4175 0.0276025337 0.056171701  
## 4176 0.0081206033 0.018839571  
## 4177 0.0301026872 0.061116169  
## 4178 0.0125651061 0.026927291  
## 4179 0.0074597327 0.017724923  
## 4180 0.0179807704 0.037295295  
## 4181 0.0178416409 0.037026623  
## 4182 0.0279452464 0.056845851  
## 4183 0.0121537304 0.026153558  
## 4184 0.0127983766 0.027367970  
## 4185 0.0195346599 0.040317300  
## 4186 0.0333129846 0.067483091  
## 4187 0.0258423462 0.052695877  
## 4188 0.0212796608 0.043727973  
## 4189 0.0195145138 0.040276748  
## 4190 0.0083291072 0.019185781  
## 4191 0.0189147059 0.039108643  
## 4192 0.0136205799 0.028922048  
## 4193 0.0126506612 0.027088505  
## 4194 0.0079413668 0.018529618  
## 4195 0.0095940379 0.021433907  
## 4196 0.0170237901 0.035438069  
## 4197 0.0328542603 0.066570656  
## 4198 0.0125937968 0.026980665  
## 4199 0.0141988140 0.030016058  
## 4200 0.0330167697 0.066893263  
## 4201 0.0246510471 0.050344401  
## 4202 0.0158131802 0.033105325  
## 4203 0.0061980820 0.015691783  
## 4204 0.0158439665 0.033163454  
## 4205 0.0102680683 0.022654514  
## 4206 0.0152379330 0.031999078  
## 4207 0.0068046974 0.016646462  
## 4208 0.0108904665 0.023800795



## 4209 0.0180288361 0.037383993  
## 4210 0.0082864468 0.019110252  
## 4211 0.0052903255 0.014318108  
## 4212 0.0072462320 0.017366170  
## 4213 0.0223242782 0.045769295  
## 4214 0.0178778388 0.037090517  
## 4215 0.0065654032 0.016266834  
## 4216 0.0088532964 0.020103221  
## 4217 0.0199455156 0.041116329  
## 4218 0.0081316070 0.018849017  
## 4219 0.0141434216 0.029911164  
## 4220 0.0092643238 0.020836303  
## 4221 0.0065844102 0.016295156  
## 4222 0.0176259875 0.036603289  
## 4223 0.0249837436 0.050998242  
## 4224 0.0074093220 0.017630770  
## 4225 0.0025467176 0.010967254  
## 4226 0.0126438459 0.027070526  
## 4227 0.0117331541 0.025364644  
## 4228 0.0115059374 0.024940456  
## 4229 0.0237210334 0.048511975  
## 4230 0.0071212488 0.017153295  
## 4231 0.0073097715 0.017464251  
## 4232 0.0038309608 0.012347735  
## 4233 0.0063263152 0.015881375  
## 4234 0.0051837197 0.014155411  
## 4235 0.0120501232 0.025950221  
## 4236 0.0075216795 0.017809374  
## 4237 0.0016164980 0.010233372  
## 4238 0.0066816395 0.016436561  
## 4239 0.0071988221 0.017274600  
## 4240 0.0096928174 0.021600378  
## 4241 0.0061165906 0.015547202  
## 4242 0.0056528232 0.014837685  
## 4243 0.0066177744 0.016331437  
## 4244 0.0035232454 0.011962640  
## 4245 0.0051263623 0.014060562  
## 4246 0.0028971304 0.011279531  
## 4247 0.0014196660 0.010103768  
## 4248 0.0025510333 0.010944187  
## 4249 0.0036214874 0.012076415  
## 4250 0.0063219065 0.015861480  
## 4251 0.0038380105 0.012339926  
## 4252 0.0095815138 0.021394892  
## 4253 0.0032037811 0.011599915  
## 4254 0.0051145324 0.014039957  
## 4255 0.0023444455 0.010758265  
## 4256 0.0109505200 0.023895551  
## 4257 0.0060692396 0.015457421  
## 4258 0.0030266947 0.011398432  
## 4259 0.0020731045 0.010523445  
## 4260 0.0054961320 0.014584299  
## 4261 0.0074499867 0.017668977  
## 4262 0.0048442700 0.013638577

## 4263 0.0069255569 0.016806191  
## 4264 0.0030915215 0.011457500  
## 4265 0.0034008392 0.011796828  
## 4266 0.0061607015 0.015588198  
## 4267 0.0066893541 0.016421376  
## 4268 0.0062314824 0.015694109  
## 4269 0.0045310950 0.013198397  
## 4270 0.0043157718 0.012909505  
## 4271 0.0050623620 0.013934737  
## 4272 0.0013222685 0.010007017  
## 4273 0.0045547727 0.013225329  
## 4274 0.0039208658 0.012398006  
## 4275 0.0033322409 0.011698770  
## 4276 0.0017134921 0.010231808  
## 4277 0.0033091324 0.011671284  
## 4278 0.0031960538 0.011545467  
## 4279 0.0048409932 0.013612528  
## 4280 0.0021831640 0.010572566  
## 4281 0.0045003034 0.013143236  
## 4282 0.0050905764 0.013963920  
## 4283 0.0008446507 0.009784956  
## 4284 0.0021163827 0.010514741  
## 4285 0.0036627825 0.012072213  
## 4286 0.0063014368 0.015786202  
## 4287 0.0038358985 0.012281215  
## 4288 0.0076391864 0.017961398  
## 4289 0.0018922266 0.010340271  
## 4290 0.0037964459 0.012230647  
## 4291 0.0031458654 0.011479424  
## 4292 0.0056598118 0.014794508  
## 4293 0.0017898925 0.010263073  
## 4294 0.0029143376 0.011230791  
## 4295 0.0080883737 0.018713491  
## 4296 0.0079834649 0.018536192  
## 4297 0.0075956769 0.017881411  
## 4298 0.0039913312 0.012461535  
## 4299 0.0090900103 0.020473311  
## 4300 0.0118946053 0.025623988  
## 4301 0.0065569261 0.016178192  
## 4302 0.0029243307 0.011229445  
## 4303 0.0110488609 0.024046317  
## 4304 0.0162481836 0.033907299  
## 4305 0.0140994682 0.029787317  
## 4306 0.0026454230 0.010950914  
## 4307 0.0039406043 0.012389549  
## 4308 0.0087457870 0.019852002  
## 4309 0.0057351000 0.014893023  
## 4310 0.0096156941 0.021415210  
## 4311 0.0050454314 0.013874782  
## 4312 0.0074563476 0.017637681  
## 4313 0.0055709629 0.014639799  
## 4314 0.0117761233 0.025395226  
## 4315 0.0019761850 0.010373409  
## 4316 0.0048129200 0.013543930

```
## 4317 0.0056151893 0.014708855
## 4318 0.0094714466 0.021152384
## 4319 0.0034993808 0.011847106
## 4320 0.0069306700 0.016768437
## 4321 0.0045088753 0.013116409
## 4322 0.0053532614 0.014312098
## 4323 0.0065100525 0.016089764
```

Lets Format the date Time Column

```
new <- do.call( rbind , strsplit( as.character( data$temperature$date ) , " " ) )
```

```
data$temperature<-cbind( data$temperature , NDate = new[,1] , Time = new[,2] )
```

Lets delete the old date time column

```
data$temperature <- subset (data$temperature, select = -date)
```

Lets see the changes we have done now

```
data
```

```
## $temperature
##      numPts      mean      min      max      variance      stdErr uncertainty
## 1         60 15.061538 14.968861 15.156247 2.655015e-03 0.0066520865 0.016203251
## 2         60 14.998578 14.937197 15.042743 1.254117e-03 0.0045718658 0.013061110
## 3         60 15.262313 15.035021 15.566826 4.143754e-02 0.0262797567 0.053496817
## 4         60 15.453514 15.385535 15.534492 1.174759e-03 0.0044248514 0.012868326
## 5         60 15.353062 15.237991 15.423458 3.526443e-03 0.0076664234 0.017883720
## 6         60 15.128070 15.058457 15.234942 3.764170e-03 0.0079206164 0.018312395
## 7         60 15.194531 15.099289 15.275794 1.367752e-03 0.0047745015 0.013347127
## 8         60 15.505682 15.284572 15.652820 1.692407e-02 0.0167948747 0.034909693
## 9         60 15.492722 15.271474 15.655969 1.772526e-02 0.0171878150 0.035670847
## 10        60 15.375332 15.275658 15.453210 2.186238e-03 0.0060363310 0.015228816
## 11        60 15.340243 15.287464 15.380472 8.695045e-04 0.0038068019 0.012062454
## 12        60 15.158865 15.111213 15.286565 2.092377e-03 0.0059053323 0.015022943
## 13        60 15.186992 15.050580 15.271690 4.685882e-03 0.0088373093 0.019925434
## 14        60 15.068753 15.016414 15.117720 1.003661e-03 0.0040899486 0.012417455
## 15        60 15.122980 15.053318 15.265453 3.438040e-03 0.0075697207 0.017718950
## 16        60 15.150045 14.960945 15.285061 1.313307e-02 0.0147947433 0.031053295
## 17        60 15.037419 14.964111 15.163459 4.217241e-03 0.0083837548 0.019115378
## 18        60 14.717551 14.613586 14.951896 1.232419e-02 0.0143318926 0.030164853
## 19        60 14.603001 14.496504 14.688515 3.225964e-03 0.0073325343 0.017314876
## 20        60 14.448766 14.334989 14.676652 9.692948e-03 0.0127101979 0.027078904
## 21        60 14.358327 14.295203 14.474168 3.136116e-03 0.0072297027 0.017141189
## 22        60 14.500503 14.436489 14.567306 1.680835e-03 0.0052928169 0.014084987
## 23        60 14.685317 14.543991 14.842795 1.386003e-02 0.0151987027 0.031825930
## 24        60 14.578425 14.488061 14.762273 6.158928e-03 0.0101315746 0.022269938
## 25        60 14.663271 14.554624 14.773746 4.552710e-03 0.0087108267 0.019694166
## 26        60 14.559813 14.505103 14.611513 1.193210e-03 0.0044594658 0.012900202
## 27        60 14.590606 14.516222 14.670594 2.305394e-03 0.0061986483 0.015472689
## 28        60 14.645550 14.597853 14.722129 4.982980e-04 0.0028818339 0.010994206
```

## 29	60	15.091036	14.745799	15.192389	1.248275e-02	0.0144237922	0.030342208
## 30	60	14.869637	14.675694	15.191313	3.478926e-02	0.0240794714	0.049154207
## 31	60	14.493824	14.288011	14.722229	2.193322e-02	0.0191194595	0.039422835
## 32	60	14.407988	14.272574	14.565060	1.022184e-02	0.0130523533	0.027725732
## 33	60	14.352239	14.251625	14.505610	9.354145e-03	0.0124860892	0.026654466
## 34	60	14.615996	14.497521	14.776795	8.286670e-03	0.0117520704	0.025276579
## 35	60	15.156900	14.779843	15.459992	7.224926e-02	0.0347009281	0.070192732
## 36	60	15.038811	14.599005	15.321712	5.127507e-02	0.0292332779	0.059339557
## 37	60	14.768683	14.527908	15.276283	5.508711e-02	0.0303004708	0.061454593
## 38	60	15.184144	14.752052	15.416458	4.168506e-02	0.0263581281	0.053651089
## 39	60	14.557699	14.491678	14.731453	2.908394e-03	0.0069622718	0.016702965
## 40	60	14.373706	14.288362	14.503714	4.170239e-03	0.0083369049	0.019025697
## 41	60	14.695935	14.473248	14.797647	8.913051e-03	0.0121881438	0.026095344
## 42	60	14.593249	14.471353	14.746424	6.420796e-03	0.0103447219	0.022661606
## 43	60	14.954549	14.485461	15.526377	8.790127e-02	0.0382755955	0.077305208
## 44	60	15.358484	15.185431	15.538302	1.588299e-02	0.0162701111	0.033894409
## 45	60	15.266456	15.005352	15.480713	3.558805e-02	0.0243543450	0.049697030
## 46	60	16.136404	15.397790	16.557179	8.110604e-02	0.0367663881	0.074303934
## 47	60	16.391803	16.177000	16.568756	1.660585e-02	0.0166362303	0.034608021
## 48	60	16.748157	16.178507	17.307167	2.028881e-01	0.0581503912	0.116976502
## 49	60	16.988910	16.818304	17.272783	1.878649e-02	0.0176948625	0.036663507
## 50	60	17.281818	16.858786	17.461784	3.204007e-02	0.0231084670	0.047252238
## 51	60	16.440673	16.107139	16.838936	3.544779e-02	0.0243063060	0.049607875
## 52	60	15.877682	15.763258	16.107903	1.331714e-02	0.0148980631	0.031256690
## 53	60	15.947659	15.752037	16.152051	2.022470e-02	0.0183596934	0.037949818
## 54	60	16.030381	15.773541	16.271655	3.240541e-02	0.0232398397	0.047505595
## 55	60	15.621047	15.493596	15.908673	1.096747e-02	0.0135200287	0.028623052
## 56	60	15.502011	15.290024	15.724842	2.201912e-02	0.0191568631	0.039500884
## 57	60	15.076025	14.889586	15.304354	1.137714e-02	0.0137702204	0.029095108
## 58	60	14.545765	14.287914	14.877000	3.308199e-02	0.0234811932	0.047974702
## 59	60	14.184661	14.090611	14.282207	1.982435e-03	0.0057480939	0.014766627
## 60	60	14.213730	14.054912	14.423513	1.534802e-02	0.0159937593	0.033354358
## 61	60	14.353978	14.086644	14.507449	2.141809e-02	0.0188935996	0.038981263
## 62	60	14.085049	14.035626	14.156872	1.481528e-03	0.0049691178	0.013606579
## 63	60	14.150915	13.989396	14.295086	1.123623e-02	0.0136846782	0.028925295
## 64	60	14.341593	14.110015	14.502464	1.034082e-02	0.0131281008	0.027868907
## 65	60	13.941744	13.825344	14.190521	8.772991e-03	0.0120920024	0.025909972
## 66	60	14.336945	13.920206	14.745583	1.043530e-01	0.0417039090	0.084133339
## 67	60	15.229074	14.730867	15.747734	1.510566e-01	0.0501757902	0.101039660
## 68	60	14.880480	14.521655	15.399258	5.466782e-02	0.0301849363	0.061225924
## 69	60	14.566074	14.295634	14.892478	4.722230e-02	0.0280542041	0.057003253
## 70	60	15.194681	14.772261	15.384420	2.224996e-02	0.0192570145	0.039694565
## 71	60	15.039486	14.637155	15.337994	5.345160e-02	0.0298472782	0.060556352
## 72	60	14.684865	14.483722	15.062367	3.404645e-02	0.0238210180	0.048644574
## 73	60	15.427381	15.109317	15.563385	1.101698e-02	0.0135505093	0.028678633
## 74	60	15.312346	15.018154	15.475476	2.200116e-02	0.0191490486	0.039484374
## 75	60	15.035590	14.948084	15.351228	1.022444e-02	0.0130540162	0.027734474
## 76	60	15.096315	14.774313	15.437237	4.480103e-02	0.0273255175	0.055563493
## 77	60	14.717754	14.667973	14.791453	8.616933e-04	0.0037896642	0.012030878
## 78	60	14.418689	14.158649	14.711362	2.836499e-02	0.0217428102	0.044556907
## 79	60	14.098083	14.014249	14.189584	3.608653e-03	0.0077552708	0.018019468
## 80	60	14.025246	13.820225	14.226202	2.136442e-02	0.0188699136	0.038933646
## 81	60	13.977732	13.764033	14.286682	3.501790e-02	0.0241584690	0.049306177
## 82	60	14.117557	13.966318	14.270464	6.982462e-03	0.0107876951	0.023475722

## 83	60	13.770876	13.663785	14.002898	1.002947e-02	0.0129289544	0.027487933
## 84	60	14.004936	13.739495	14.231322	1.845475e-02	0.0175379371	0.036342175
## 85	60	13.642992	13.537790	13.913289	1.191389e-02	0.0140913048	0.029698228
## 86	60	13.549164	13.488419	13.606541	1.398388e-03	0.0048276763	0.013396037
## 87	60	13.284785	13.206578	13.476601	6.684199e-03	0.0105547768	0.023038218
## 88	60	13.532240	13.256999	13.879350	4.739382e-02	0.0281051065	0.057100444
## 89	60	13.648884	13.493149	13.877435	1.122465e-02	0.0136776272	0.028909023
## 90	60	13.568055	13.238400	13.776597	3.331422e-02	0.0235634660	0.048132091
## 91	60	13.393410	13.230255	13.601148	1.031777e-02	0.0131134601	0.027834780
## 92	60	13.908172	13.529252	14.289986	5.255750e-02	0.0295965940	0.060056003
## 93	60	13.509884	13.402988	13.606052	4.872277e-03	0.0090113600	0.020222235
## 94	60	13.667595	13.380521	14.143779	7.599427e-02	0.0355889186	0.071954798
## 95	60	13.517481	13.331193	14.000826	4.225044e-02	0.0265362768	0.053997845
## 96	60	13.358168	13.100857	13.498736	1.276777e-02	0.0145875373	0.030644723
## 97	60	13.009637	12.950972	13.091696	2.453621e-03	0.0063948173	0.015762810
## 98	60	13.159905	13.095114	13.200248	1.035832e-03	0.0041549803	0.012469904
## 99	60	13.147737	13.100504	13.259519	9.890844e-04	0.0040601403	0.012347327
## 100	60	13.337391	13.135451	13.475175	1.343112e-02	0.0149616869	0.031362117
## 101	60	13.234138	13.128264	13.338578	4.278701e-03	0.0084446244	0.019205397
## 102	60	12.892048	12.796333	13.109939	8.516365e-03	0.0119138332	0.025567094
## 103	60	13.269889	13.077786	13.346782	3.368312e-03	0.0074925651	0.017566459
## 104	60	13.014806	12.803772	13.234454	2.240163e-02	0.0193225378	0.039811678
## 105	60	12.915957	12.786427	13.090933	1.251076e-02	0.0144399696	0.030359500
## 106	60	12.876925	12.791468	13.068294	7.762284e-03	0.0113741551	0.024556582
## 107	60	12.716708	12.666852	12.792620	1.220355e-03	0.0045099066	0.012939619
## 108	60	12.590477	12.477011	12.682791	5.942583e-03	0.0099520378	0.021922616
## 109	60	12.374076	12.339089	12.473573	1.577162e-03	0.0051269902	0.013809730
## 110	60	12.543950	12.338503	12.703963	1.825232e-02	0.0174414851	0.036146590
## 111	60	12.517764	12.379048	12.634821	5.504581e-03	0.0095782571	0.021239672
## 112	60	12.450211	12.370649	12.545602	2.661766e-03	0.0066605385	0.016183120
## 113	60	12.355926	12.272824	12.406389	1.537503e-03	0.0050621188	0.013714184
## 114	60	12.313541	12.254624	12.377972	1.108196e-03	0.0042976666	0.012645262
## 115	60	12.289880	12.249486	12.375863	1.553631e-03	0.0050886007	0.013752244
## 116	60	12.208521	12.111770	12.287041	3.580347e-03	0.0077247949	0.017945708
## 117	60	12.052427	11.987766	12.109093	1.159355e-03	0.0043957469	0.012772898
## 118	60	12.001891	11.950116	12.071833	1.279917e-03	0.0046186517	0.013078254
## 119	60	12.061545	12.020925	12.098550	4.719848e-04	0.0028047128	0.010864994
## 120	60	12.285450	11.995401	12.528200	4.263208e-02	0.0266558568	0.054228776
## 121	60	12.373653	12.282610	12.447557	2.356956e-03	0.0062675833	0.015551708
## 122	60	12.136006	11.962263	12.275363	9.908928e-03	0.0128510233	0.027328032
## 123	60	11.932159	11.848635	11.982005	1.539070e-03	0.0050646976	0.013711488
## 124	60	11.948064	11.847481	12.040119	3.744252e-03	0.0078996332	0.018240024
## 125	60	11.964091	11.878141	12.161822	9.619960e-03	0.0126622538	0.026970068
## 126	60	12.224407	12.129619	12.294072	2.390424e-03	0.0063119247	0.015620092
## 127	60	12.165544	12.103372	12.212127	1.236246e-03	0.0045391740	0.012970512
## 128	60	12.009971	11.889505	12.151255	7.360713e-03	0.0110760346	0.023993734
## 129	60	11.931220	11.876147	11.969821	1.085191e-03	0.0042528249	0.012578691
## 130	60	12.169575	11.974390	12.384006	1.520277e-02	0.0159178985	0.033195891
## 131	60	12.188792	12.081871	12.378305	8.930499e-03	0.0122000673	0.026099672
## 132	60	12.358448	12.180784	12.505701	1.091084e-02	0.0134850810	0.028533136
## 133	60	12.191997	12.141920	12.363051	3.166393e-03	0.0072645181	0.017173321
## 134	60	12.032804	11.758110	12.201620	2.509896e-02	0.0204527744	0.042016462
## 135	60	11.659775	11.599285	11.751235	1.847584e-03	0.0055491505	0.014427363
## 136	60	11.500437	11.424166	11.639312	5.822126e-03	0.0098506563	0.021727892

## 137	60	11.410338	11.335431	11.449235	1.593334e-03	0.0051532091	0.013832695
## 138	60	11.300813	11.241600	11.347906	1.531898e-03	0.0050528830	0.013684697
## 139	60	11.356842	11.247125	11.569959	9.707411e-03	0.0127196771	0.027074405
## 140	60	11.433984	11.334689	11.576362	7.797468e-03	0.0113999034	0.024592905
## 141	60	11.377883	11.296830	11.540945	6.233071e-03	0.0101923758	0.022353822
## 142	60	11.533341	11.409582	11.608736	4.762111e-03	0.0089089007	0.020019015
## 143	60	11.512692	11.410050	11.705720	1.431974e-02	0.0154486986	0.032287512
## 144	60	11.772142	11.533329	12.080993	4.752663e-02	0.0281444575	0.057172069
## 145	60	11.692641	11.534092	11.986302	2.029409e-02	0.0183911634	0.037989265
## 146	60	11.474655	11.420008	11.562793	1.640152e-03	0.0052283718	0.013944967
## 147	60	11.830838	11.567732	12.258957	4.914060e-02	0.0286183516	0.058111047
## 148	60	11.944045	11.635565	12.333698	6.614546e-02	0.0332027758	0.067206150
## 149	60	11.657315	11.605534	11.722824	1.448098e-03	0.0049127357	0.013488107
## 150	60	11.513414	11.309111	11.631718	1.182318e-02	0.0140375590	0.029580486
## 151	60	11.326885	11.280763	11.377015	9.371254e-04	0.0039520573	0.012176346
## 152	60	11.232206	11.208352	11.274672	3.975116e-04	0.0025739450	0.010621675
## 153	60	11.173086	11.115891	11.229749	9.537238e-04	0.0039869032	0.012218480
## 154	60	11.181076	11.061288	11.500879	2.010926e-02	0.0183072207	0.037823290
## 155	60	11.300326	11.162276	11.539947	2.042077e-02	0.0184484744	0.038098575
## 156	60	11.262081	11.162608	11.363250	4.397850e-03	0.0085613961	0.019394102
## 157	60	11.372175	11.246245	11.532646	9.954653e-03	0.0128806398	0.027378839
## 158	60	11.172887	11.073859	11.334804	5.983758e-03	0.0099864555	0.021973926
## 159	60	11.158619	11.106344	11.183927	3.906755e-04	0.0025517169	0.010598768
## 160	60	11.055512	10.957118	11.102536	1.420328e-03	0.0048654024	0.013410807
## 161	60	10.887938	10.825780	10.951788	1.596414e-03	0.0051581883	0.013832544
## 162	60	10.779980	10.738366	10.821582	3.795691e-04	0.0025151843	0.010557231
## 163	60	10.783214	10.738504	10.816956	3.811898e-04	0.0025205484	0.010562175
## 164	60	10.715045	10.660773	10.756657	7.704959e-04	0.0035835177	0.011707891
## 165	60	10.995962	10.658862	11.319342	5.937102e-02	0.0314565893	0.063735494
## 166	60	11.149603	11.063435	11.271059	4.762019e-03	0.0089088147	0.020015670
## 167	60	11.187286	11.105272	11.237772	1.541448e-03	0.0050686097	0.013705904
## 168	60	11.421494	11.163527	11.568298	1.224498e-02	0.0142857644	0.030054532
## 169	60	11.432890	11.309405	11.633474	1.458847e-02	0.0155929825	0.032564964
## 170	60	11.108826	10.982807	11.318835	9.093447e-03	0.0123108670	0.026300560
## 171	60	11.171597	11.046997	11.267369	2.656405e-03	0.0066538274	0.016155804
## 172	60	11.091701	10.977948	11.198687	3.813446e-03	0.0079722913	0.018354518
## 173	60	10.950702	10.916728	10.990128	4.403954e-04	0.0027092293	0.010747809
## 174	60	10.987361	10.836555	11.072746	4.747774e-03	0.0088954803	0.019989820
## 175	60	10.948796	10.810963	11.076162	1.019505e-02	0.0130352438	0.027668673
## 176	60	10.996522	10.950948	11.043932	1.245101e-03	0.0045554010	0.012974197
## 177	60	11.135963	11.036903	11.254093	4.884046e-03	0.0090222371	0.020219718
## 178	60	11.052798	10.968714	11.215458	4.390413e-03	0.0085541540	0.019379742
## 179	60	11.094684	10.939588	11.294548	1.599511e-02	0.0163274354	0.033980460
## 180	60	11.199943	10.961237	11.309659	1.205173e-02	0.0141725822	0.029836393
## 181	60	11.298174	11.260048	11.329338	3.455580e-04	0.0023998540	0.010461084
## 182	60	11.079750	10.895215	11.249761	9.913674e-03	0.0128541006	0.027326563
## 183	60	10.888944	10.812232	11.016698	3.559977e-03	0.0077027883	0.017893693
## 184	60	10.862622	10.729659	11.019001	1.021005e-02	0.0130448277	0.027686451
## 185	60	10.899297	10.733875	11.053867	8.231450e-03	0.0117128490	0.025174399
## 186	60	10.881993	10.774518	11.038328	6.048062e-03	0.0100399716	0.022069519
## 187	60	11.329935	11.042898	11.476902	1.530501e-02	0.0159713326	0.033293649
## 188	60	10.988562	10.864528	11.181079	8.930601e-03	0.0122001376	0.026090908
## 189	60	10.856572	10.761848	10.922273	3.187524e-03	0.0072887178	0.017196240
## 190	60	10.919033	10.766047	11.075031	1.012445e-02	0.0129900264	0.027582913

## 191	60	10.956038	10.819514	11.113762	1.216941e-02	0.0142416087	0.029967114
## 192	60	11.186587	11.104218	11.304738	2.403156e-03	0.0063287126	0.015633659
## 193	60	11.255006	11.134067	11.425456	1.210222e-02	0.0142022424	0.029893859
## 194	60	11.423652	11.191951	11.607172	2.125715e-02	0.0188224811	0.038827826
## 195	60	11.569305	11.515172	11.705408	3.525487e-03	0.0076653839	0.017838366
## 196	60	11.767907	11.698554	11.821180	8.827014e-04	0.0038355820	0.012036505
## 197	60	11.884924	11.687093	12.141237	1.549525e-02	0.0160702892	0.033488583
## 198	60	12.442806	12.154596	12.639020	1.565851e-02	0.0161547246	0.033654548
## 199	60	12.260778	11.963044	12.513260	4.575674e-02	0.0276154353	0.056126540
## 200	60	12.262480	11.962655	12.473476	2.471346e-02	0.0202950978	0.041709092
## 201	60	12.023740	11.640054	12.466424	8.420937e-02	0.0374631758	0.075679751
## 202	60	11.737909	11.657549	11.812412	1.374074e-03	0.0047855227	0.013308265
## 203	60	11.462305	11.349290	11.685394	8.519540e-03	0.0119160534	0.025560443
## 204	60	11.273487	11.248453	11.337851	3.714687e-04	0.0024882012	0.010542185
## 205	60	11.300538	11.206438	11.423191	4.011026e-03	0.0081762116	0.018710358
## 206	60	11.430518	11.320299	11.546294	5.286421e-03	0.0093865339	0.020881341
## 207	60	11.018320	10.821661	11.351614	3.181939e-02	0.0230287448	0.047069486
## 208	60	10.702612	10.553473	10.816702	7.500536e-03	0.0111807391	0.024178021
## 209	60	10.654025	10.549669	10.718767	2.554406e-03	0.0065248319	0.015940237
## 210	60	10.754466	10.648945	10.824022	3.711432e-03	0.0078649352	0.018167019
## 211	60	10.954906	10.800227	11.092014	1.065067e-02	0.0133233336	0.028215827
## 212	60	10.946851	10.833472	11.092014	6.306638e-03	0.0102523481	0.022460336
## 213	60	10.880818	10.807801	10.958563	2.206536e-03	0.0060642895	0.015210809
## 214	60	10.932531	10.882585	10.962916	7.160338e-04	0.0034545474	0.011557992
## 215	60	10.884902	10.798449	10.958269	1.572790e-03	0.0051198800	0.013776506
## 216	60	10.585014	10.424982	10.788905	1.395990e-02	0.0152533606	0.031905999
## 217	60	10.360401	10.323566	10.422991	8.461897e-04	0.0037554176	0.011912286
## 218	60	10.364870	10.260836	10.433063	2.488477e-03	0.0064400790	0.015800246
## 219	60	10.280972	10.239503	10.329869	1.072292e-03	0.0042274744	0.012517883
## 220	60	10.272750	10.229667	10.323996	1.010354e-03	0.0041035641	0.012354414
## 221	60	10.364350	10.261598	10.409212	1.709403e-03	0.0053376078	0.014089974
## 222	60	10.277259	10.215497	10.492594	6.416138e-03	0.0103409684	0.022618521
## 223	60	10.480141	10.317749	10.596926	6.149834e-03	0.0101240917	0.022220199
## 224	60	10.346323	10.300534	10.410031	1.354957e-03	0.0047521162	0.013239127
## 225	60	10.286197	10.187606	10.362249	2.279018e-03	0.0061630867	0.015358292
## 226	60	10.123662	10.076653	10.181888	9.152958e-04	0.0039057560	0.012096968
## 227	60	10.097561	10.077863	10.113755	9.526405e-05	0.0012600532	0.009618260
## 228	60	10.197061	10.088090	10.400291	1.487996e-02	0.0157479966	0.032856401
## 229	60	10.290154	10.164127	10.438548	8.056897e-03	0.0115879943	0.024935784
## 230	60	10.118035	9.997086	10.268134	4.819456e-03	0.0089623808	0.020102639
## 231	60	10.135798	10.004113	10.242176	7.481290e-03	0.0111663859	0.024146711
## 232	60	10.139731	10.002355	10.357312	1.750208e-02	0.0170792639	0.035430929
## 233	60	10.324940	10.253361	10.421645	2.176583e-03	0.0060229879	0.015138741
## 234	60	10.271041	10.061177	10.461034	2.008934e-02	0.0182981507	0.037800233
## 235	60	10.191755	10.056143	10.263276	2.213809e-03	0.0060742756	0.015217039
## 236	60	10.184527	9.996032	10.433590	2.853860e-02	0.0218092490	0.044668324
## 237	60	10.175260	10.010748	10.295812	8.235993e-03	0.0117160810	0.025174659
## 238	60	10.258495	10.005635	10.575941	3.212625e-02	0.0231395227	0.047284247
## 239	60	10.460175	10.177381	10.697900	3.016102e-02	0.0224206086	0.045870656
## 240	60	10.210010	10.150037	10.281642	1.989655e-03	0.0057585521	0.014726180
## 241	60	10.402846	10.160244	10.671549	1.590167e-02	0.0162796735	0.033884541
## 242	60	10.617964	10.472549	10.766651	6.568062e-03	0.0104626811	0.022845401
## 243	60	10.296424	10.130207	10.472684	1.344233e-02	0.0149679243	0.031355340
## 244	60	10.183644	10.127925	10.243074	1.208227e-03	0.0044874391	0.012867766

## 245	60	10.049761	9.967150	10.181420	5.247367e-03	0.0093517973	0.020805889
## 246	60	10.241445	10.023142	10.360200	1.014939e-02	0.0130060204	0.027608226
## 247	60	10.200632	10.039457	10.326610	9.667810e-03	0.0126937055	0.027016369
## 248	60	10.074923	10.016076	10.187606	3.441386e-03	0.0075734035	0.017665257
## 249	60	10.190158	10.136842	10.312576	2.298020e-03	0.0061887263	0.015398156
## 250	60	10.456900	10.318667	10.557963	5.389633e-03	0.0094777224	0.021038051
## 251	60	10.110780	9.878978	10.425138	3.277595e-02	0.0233723304	0.047741911
## 252	60	9.787026	9.670914	9.874041	4.742410e-03	0.0088904535	0.019969480
## 253	60	9.719336	9.673255	9.795844	1.291243e-03	0.0046390428	0.013070621
## 254	60	9.966269	9.799668	10.047614	4.180490e-03	0.0083471454	0.018999701
## 255	60	9.759543	9.668922	9.949840	7.318168e-03	0.0110439786	0.023916426
## 256	60	9.695172	9.642327	9.755390	1.516985e-03	0.0050282285	0.013624760
## 257	60	9.695660	9.681647	9.709396	5.752170e-05	0.0009791297	0.009479880
## 258	60	9.726895	9.690563	9.810949	1.318008e-03	0.0046868760	0.013137856
## 259	60	9.960327	9.815125	10.036646	4.163910e-03	0.0083305762	0.018970158
## 260	60	10.016754	9.943829	10.088443	1.259011e-03	0.0045807770	0.012994123
## 261	60	10.005332	9.938207	10.097537	2.149371e-03	0.0059852189	0.015075224
## 262	60	9.899431	9.744054	9.973082	3.873891e-03	0.0080352260	0.018448495
## 263	60	9.777370	9.705042	9.852399	2.916904e-03	0.0069724501	0.016658773
## 264	60	9.592941	9.531469	9.761421	3.140548e-03	0.0072348091	0.017092373
## 265	60	9.635984	9.611025	9.660921	2.687549e-04	0.0021164236	0.010183612
## 266	60	9.616169	9.588546	9.651243	2.992199e-04	0.0022331587	0.010281079
## 267	60	9.606090	9.530884	9.758846	4.680908e-03	0.0088326179	0.019864426
## 268	60	9.621390	9.418196	9.774067	1.009495e-02	0.0129710896	0.027537872
## 269	60	9.373775	9.327290	9.434314	8.927444e-04	0.0038573401	0.012022854
## 270	60	9.452052	9.359601	9.552056	3.247278e-03	0.0073567183	0.017293495
## 271	60	9.314594	9.296812	9.353885	1.272024e-04	0.0014560355	0.009710464
## 272	60	9.326119	9.301027	9.347095	1.433245e-04	0.0015455553	0.009764630
## 273	60	9.389472	9.328499	9.449184	1.092901e-03	0.0042679050	0.012557319
## 274	60	9.490745	9.429319	9.588019	3.343111e-03	0.0074644842	0.017474748
## 275	60	9.621538	9.557851	9.775589	2.508604e-03	0.0064660707	0.015833410
## 276	60	9.761167	9.642639	9.896581	1.007080e-02	0.0129555681	0.027509298
## 277	60	9.615277	9.580019	9.659167	6.147060e-04	0.0032007969	0.011242824
## 278	60	9.493138	9.445613	9.584057	1.371735e-03	0.0047814481	0.013267799
## 279	60	9.607804	9.483624	9.744210	6.920150e-03	0.0107394521	0.023349081
## 280	60	9.581103	9.413319	9.901088	3.177000e-02	0.0230108684	0.047028241
## 281	60	9.531313	9.384265	9.878686	2.176419e-02	0.0190456430	0.039254480
## 282	60	9.429509	9.277943	9.621543	1.941253e-02	0.0179872793	0.037190776
## 283	60	9.409192	9.319681	9.586418	7.979624e-03	0.0115322910	0.024824942
## 284	60	9.283535	9.195546	9.459994	6.990189e-03	0.0107936623	0.023447314
## 285	60	9.395615	9.181870	9.534065	1.211597e-02	0.0142103058	0.029896990
## 286	60	9.442844	9.158339	9.648355	2.694067e-02	0.0211898839	0.043449246
## 287	60	9.390176	9.212034	9.637214	2.670170e-02	0.0210956949	0.043264461
## 288	60	9.439450	9.343212	9.593541	5.217037e-03	0.0093247313	0.020751440
## 289	60	9.492774	9.408889	9.615747	3.388352e-03	0.0075148215	0.017559791
## 290	60	9.672086	9.476051	9.867094	1.509643e-02	0.0158621276	0.033073422
## 291	60	9.802619	9.701687	9.873046	3.281471e-03	0.0073953492	0.017362040
## 292	60	9.694826	9.658484	9.739856	2.742230e-04	0.0021378455	0.010202804
## 293	60	9.866764	9.750141	9.911138	1.126283e-03	0.0043325955	0.012651742
## 294	60	9.825846	9.632802	9.900249	5.166301e-03	0.0092792789	0.020671813
## 295	60	9.586238	9.501302	9.650248	1.914955e-03	0.0056494174	0.014549890
## 296	60	9.446441	9.327525	9.680884	1.021265e-02	0.0130464860	0.027680248
## 297	60	9.743002	9.669549	9.817039	2.551515e-03	0.0065211388	0.015922597
## 298	60	9.688441	9.571159	9.889263	8.350743e-03	0.0117974172	0.025324126



## 299	60	9.599100	9.414334	9.894532	2.185759e-02	0.0190864651	0.039334232
## 300	60	10.014978	9.688885	10.266553	3.842925e-02	0.0253078560	0.051557362
## 301	60	9.715506	9.588605	10.025756	1.439595e-02	0.0154897541	0.032356430
## 302	60	9.757138	9.578788	9.814599	3.681746e-03	0.0078334173	0.018101824
## 303	60	9.402692	9.296500	9.564701	6.558416e-03	0.0104549960	0.022821167
## 304	60	9.284428	9.160817	9.429690	8.586580e-03	0.0119628455	0.025631377
## 305	60	9.330779	9.137835	9.514533	2.333289e-02	0.0197200787	0.040570130
## 306	60	9.380302	9.224678	9.483097	1.025025e-02	0.0130704834	0.027724414
## 307	60	9.289418	9.236403	9.343952	7.168682e-04	0.0034565594	0.011531419
## 308	60	9.170319	9.119376	9.264287	2.236071e-03	0.0061047400	0.015251460
## 309	60	9.317429	9.152156	9.460462	9.474139e-03	0.0125659185	0.026768505
## 310	60	9.200402	9.097933	9.413163	8.784072e-03	0.0120996365	0.025888576
## 311	60	9.494932	9.285086	9.585111	7.791866e-03	0.0113958074	0.024569685
## 312	60	9.163107	9.116450	9.278997	1.791639e-03	0.0054644903	0.014263817
## 313	60	9.381143	9.177128	9.523781	1.320414e-02	0.0148347207	0.031093627
## 314	60	9.138283	8.991116	9.219645	7.131807e-03	0.0109024513	0.023647378
## 315	60	8.968988	8.898250	9.024322	1.944342e-03	0.0056926002	0.014607181
## 316	60	8.992410	8.856070	9.146847	1.266478e-02	0.0145285793	0.030503968
## 317	60	9.103457	8.973594	9.307720	1.492206e-02	0.0157702550	0.032892869
## 318	60	9.033042	8.870976	9.310784	2.616088e-02	0.0208809635	0.042841946
## 319	60	9.026493	8.882408	9.102109	3.463076e-03	0.0075972317	0.017692855
## 320	60	9.110877	8.972912	9.257809	9.305627e-03	0.0124536655	0.026554954
## 321	60	9.010755	8.981985	9.039343	3.234590e-04	0.0023218492	0.010345969
## 322	60	9.408459	9.023716	9.566826	3.263120e-02	0.0233206644	0.047636653
## 323	60	9.364847	9.132272	9.569852	2.697118e-02	0.0212018776	0.043472419
## 324	60	9.419003	9.157636	9.651711	3.371433e-02	0.0237045470	0.048393034
## 325	60	9.330831	9.043266	9.636160	4.351374e-02	0.0269300766	0.054760494
## 326	60	8.935037	8.872303	9.035656	2.093539e-03	0.0059069719	0.014938620
## 327	60	8.823288	8.775264	8.874407	5.989729e-04	0.0031595698	0.011182407
## 328	60	8.865204	8.777644	9.061177	6.843711e-03	0.0106799739	0.023233249
## 329	60	9.164729	9.064980	9.242666	2.865558e-03	0.0069108099	0.016549778
## 330	60	9.139895	9.102909	9.197498	9.066703e-04	0.0038873090	0.012056750
## 331	60	9.218482	9.128838	9.295759	2.023067e-03	0.0058067020	0.014786684
## 332	60	9.058990	8.958671	9.184583	3.510558e-03	0.0076491376	0.017781622
## 333	60	8.879547	8.815821	8.966961	3.292281e-03	0.0074075198	0.017371722
## 334	60	8.886704	8.822728	8.940254	1.663765e-03	0.0052658726	0.013961668
## 335	60	8.739577	8.671674	8.871073	3.660414e-03	0.0078106915	0.018052381
## 336	60	8.648355	8.604117	8.685272	5.731111e-04	0.0030906071	0.011102792
## 337	60	8.819749	8.664865	8.881061	2.576363e-03	0.0065528150	0.015961648
## 338	60	8.781391	8.707043	8.934009	2.926286e-03	0.0069836546	0.016665904
## 339	60	8.772898	8.652438	8.983000	1.432785e-02	0.0154530752	0.032279515
## 340	60	8.669518	8.602714	8.821245	1.781858e-03	0.0054495539	0.014234702
## 341	60	9.126923	8.843719	9.261691	1.278656e-02	0.0145982634	0.030638288
## 342	60	9.066176	9.003992	9.137308	1.803740e-03	0.0054829126	0.014289579
## 343	60	9.283453	9.146438	9.446764	1.040035e-02	0.0131658340	0.027905206
## 344	60	9.178891	9.001084	9.434411	1.604308e-02	0.0163519005	0.034017090
## 345	60	9.171669	8.980911	9.372616	1.519041e-02	0.0159114265	0.033165667
## 346	60	9.161179	9.065995	9.306490	7.206931e-03	0.0109597224	0.023754534
## 347	60	9.289828	9.119064	9.417631	1.027078e-02	0.0130835640	0.027748787
## 348	60	9.205473	9.076434	9.313651	5.056088e-03	0.0091797677	0.020486234
## 349	60	9.208395	9.086637	9.293183	4.919405e-03	0.0090548380	0.020260262
## 350	60	9.135820	9.051342	9.193439	2.506006e-03	0.0064627207	0.015820454
## 351	60	9.130138	8.892473	9.233810	6.755447e-03	0.0106108802	0.023106692
## 352	60	8.907026	8.776141	9.153071	1.618025e-02	0.0164216564	0.034150415

## 353	60	9.093707	8.802711	9.184739	1.255371e-02	0.0144647309	0.030381849
## 354	60	8.849731	8.687944	9.025317	9.129864e-03	0.0123354933	0.026330205
## 355	60	9.135598	9.021123	9.292403	6.259581e-03	0.0102140269	0.022374500
## 356	60	9.334444	9.198533	9.461243	5.776799e-03	0.0098122367	0.021638510
## 357	60	9.107902	8.963314	9.251331	9.881479e-03	0.0128332117	0.027272851
## 358	60	9.200293	9.029278	9.350529	1.071290e-02	0.0133622003	0.028277804
## 359	60	8.913967	8.786111	9.165480	1.298886e-02	0.0147132944	0.030858327
## 360	60	9.228750	8.893391	9.584740	5.554136e-02	0.0304251421	0.061683444
## 361	60	9.787088	9.585502	9.999311	2.033832e-02	0.0184111936	0.038018016
## 362	60	9.809184	9.671341	10.001145	9.021185e-03	0.0122618550	0.026198479
## 363	60	10.075387	9.938872	10.151851	3.533316e-03	0.0076738912	0.017834729
## 364	60	10.190538	10.149940	10.220961	5.133620e-04	0.0029250697	0.010953729
## 365	60	10.142723	10.095762	10.190105	8.689221e-04	0.0038055269	0.011970702
## 366	60	10.058006	9.853765	10.128705	4.647082e-03	0.0088006462	0.019810510
## 367	60	9.592014	9.521868	9.841569	7.174625e-03	0.0109351308	0.023713121
## 368	60	9.755063	9.624880	9.844318	4.886193e-03	0.0090242203	0.020210136
## 369	60	9.935884	9.772545	10.152165	1.762785e-02	0.0171405203	0.035548608
## 370	60	10.188582	10.148047	10.231949	7.765479e-04	0.0035975638	0.011715581
## 371	60	10.200840	9.948160	10.450747	2.074745e-02	0.0185954527	0.038379357
## 372	60	9.793530	9.602772	10.253049	3.891168e-02	0.0254662119	0.051869952
## 373	60	9.744230	9.585034	9.867562	6.725199e-03	0.0105870980	0.023067904
## 374	60	9.300154	8.954027	9.586556	5.165466e-02	0.0293412853	0.059534383
## 375	60	9.309729	8.899283	9.857121	1.299294e-01	0.0465348307	0.093758560
## 376	60	9.516046	9.025608	9.859405	4.618806e-02	0.0277452892	0.056374187
## 377	60	8.943742	8.796743	9.097662	1.176854e-02	0.0140050844	0.029501800
## 378	60	8.856531	8.770270	9.008227	2.103040e-03	0.0059203605	0.014959091
## 379	60	8.780629	8.720756	8.867132	2.418515e-03	0.0063489035	0.015633712
## 380	60	8.758951	8.654625	8.875131	4.361824e-03	0.0085262578	0.019307295
## 381	60	8.615666	8.517135	8.668690	2.551100e-03	0.0065206088	0.015906908
## 382	60	8.665526	8.497647	8.846765	1.915707e-02	0.0178685353	0.036955716
## 383	60	8.690058	8.612156	8.774758	1.674854e-03	0.0052833915	0.013985267
## 384	60	8.605085	8.484285	8.689251	4.436564e-03	0.0085989964	0.019435476
## 385	60	8.684779	8.479135	8.866800	2.190530e-02	0.0191072862	0.039369779
## 386	60	8.787345	8.738391	8.822027	8.714099e-04	0.0038109707	0.011953985
## 387	60	8.828545	8.763402	8.901234	2.131047e-03	0.0059596521	0.015018917
## 388	60	8.793669	8.731935	8.836559	1.060653e-03	0.0042044673	0.012462699
## 389	60	8.694616	8.651426	8.743347	9.843948e-04	0.0040505036	0.012258783
## 390	60	8.722043	8.620349	8.754956	7.559070e-04	0.0035494295	0.011631542
## 391	60	8.535981	8.459668	8.608917	1.067700e-03	0.0042184124	0.012477493
## 392	60	8.447749	8.415484	8.492477	6.080735e-04	0.0031834822	0.011202081
## 393	60	8.411301	8.308434	8.521719	4.378142e-03	0.0085421916	0.019332342
## 394	60	8.411180	8.331178	8.536720	4.967356e-03	0.0090988611	0.020332785
## 395	60	8.669220	8.541305	8.754877	3.146448e-03	0.0072416026	0.017091590
## 396	60	8.766525	8.540466	8.962084	1.884464e-02	0.0177222250	0.036671819
## 397	60	8.671725	8.536270	8.961246	1.433640e-02	0.0154576868	0.032288268
## 398	60	8.908450	8.712387	9.091202	1.751693e-02	0.0170865126	0.035438026
## 399	60	8.861075	8.695943	9.124879	2.458487e-02	0.0202422274	0.041589802
## 400	60	8.772513	8.588942	9.083827	2.606495e-02	0.0208426432	0.042765792
## 401	60	8.633480	8.460877	8.803161	1.327104e-02	0.0148722569	0.031161226
## 402	60	8.815198	8.770367	8.871676	7.965087e-04	0.0036435073	0.011747524
## 403	60	8.702362	8.497158	8.867874	9.401123e-03	0.0125174032	0.026672551
## 404	60	8.491033	8.451844	8.568750	1.714154e-03	0.0053450202	0.014074143
## 405	60	8.581974	8.433177	8.947629	2.031756e-02	0.0184017945	0.037994308
## 406	60	9.013931	8.686500	9.203508	2.712034e-02	0.0212604252	0.043585627

## 407	60	8.650771	8.577881	8.677351	3.996776e-04	0.0025809481	0.010577843
## 408	60	8.590617	8.499715	8.726179	5.030961e-03	0.0091569293	0.020439523
## 409	60	8.433440	8.342706	8.545048	4.095386e-03	0.0082617449	0.018833279
## 410	60	8.702429	8.542962	8.817228	7.100978e-03	0.0108788619	0.023600304
## 411	60	8.531324	8.303732	8.710262	1.606365e-02	0.0163623812	0.034033230
## 412	60	8.352943	8.248649	8.601504	1.156494e-02	0.0138834099	0.029266142
## 413	60	8.580439	8.461813	8.697152	5.441364e-03	0.0095230980	0.021103951
## 414	60	8.543947	8.399877	8.763325	8.614818e-03	0.0119824997	0.025663355
## 415	60	9.017356	8.766388	9.160603	1.550570e-02	0.0160757039	0.033481658
## 416	60	8.886798	8.692429	9.147414	2.650414e-02	0.0210175078	0.043108916
## 417	60	8.661851	8.516158	9.004578	2.013380e-02	0.0183183862	0.037832122
## 418	60	8.849631	8.496458	9.040691	2.143746e-02	0.0189021409	0.038970281
## 419	60	8.244605	8.164268	8.475116	7.264789e-03	0.0110036276	0.023829555
## 420	60	8.210523	8.151219	8.316216	2.591567e-03	0.0065721214	0.015985619
## 421	60	8.339073	8.297509	8.364142	3.189024e-04	0.0023054371	0.010318100
## 422	60	8.199210	8.149189	8.296809	1.502173e-03	0.0050036211	0.013566991
## 423	60	8.341184	8.233687	8.480774	3.578177e-03	0.0077224532	0.017897857
## 424	60	8.218245	8.033295	8.483446	2.143261e-02	0.0189000062	0.038963334
## 425	60	8.175252	8.032162	8.274941	8.088051e-03	0.0116103766	0.024961106
## 426	60	8.510251	8.272211	8.709344	1.096549e-02	0.0135188101	0.028571555
## 427	60	8.749078	8.666681	8.844149	2.490424e-03	0.0064425977	0.015783570
## 428	60	8.865116	8.787632	8.913797	1.017317e-03	0.0041176799	0.012349396
## 429	60	8.847486	8.779360	8.920783	1.660180e-03	0.0052601971	0.013952957
## 430	60	8.705779	8.561688	8.824464	5.261292e-03	0.0093641976	0.020816109
## 431	60	8.342943	8.186973	8.552931	1.347144e-02	0.0149841265	0.031374605
## 432	60	8.241299	8.185899	8.399274	3.653400e-03	0.0078032042	0.018034268
## 433	60	8.573112	8.406510	8.685973	6.295622e-03	0.0102433901	0.022423445
## 434	60	8.669784	8.623333	8.697912	6.437118e-04	0.0032754434	0.011309680
## 435	60	8.591346	8.568750	8.620172	2.648676e-04	0.0021010615	0.010150034
## 436	60	8.593068	8.515885	8.621149	6.887016e-04	0.0033879728	0.011438047
## 437	60	8.307662	8.156954	8.503694	1.110589e-02	0.0136050776	0.028734535
## 438	60	8.154614	8.122236	8.225125	5.668234e-04	0.0030736066	0.011075691
## 439	60	8.168148	8.112209	8.252783	2.302941e-03	0.0061953489	0.015381124
## 440	60	8.092366	8.037779	8.161129	1.879843e-03	0.0055973847	0.014449374
## 441	60	8.091018	8.014998	8.250579	3.777017e-03	0.0079341216	0.018256061
## 442	60	8.327214	8.260097	8.396505	1.117556e-03	0.0043157763	0.012604423
## 443	60	8.329582	8.269557	8.475407	3.277022e-03	0.0073903337	0.017337071
## 444	60	8.566057	8.411524	8.648460	4.840785e-03	0.0089821912	0.020123220
## 445	60	8.308708	8.187070	8.404288	3.475749e-03	0.0076111205	0.017708254
## 446	60	8.067757	7.952527	8.179833	5.027223e-03	0.0091535270	0.020428359
## 447	60	7.859741	7.820567	7.945681	1.266734e-03	0.0045948056	0.012979744
## 448	60	8.038235	7.844653	8.121553	6.134410e-03	0.0101113879	0.022175699
## 449	60	7.922732	7.861251	7.998616	1.376328e-03	0.0047894460	0.013254629
## 450	60	7.990887	7.882295	8.036649	2.013300e-03	0.0057926680	0.014747503
## 451	60	7.935889	7.849704	8.010864	2.445968e-03	0.0063848359	0.015680024
## 452	60	7.863487	7.809859	7.939402	1.618656e-03	0.0051939965	0.013840475
## 453	60	8.010824	7.905563	8.151570	6.886282e-03	0.0107131398	0.023287307
## 454	60	7.865912	7.811848	7.945330	1.404304e-03	0.0048378791	0.013322867
## 455	60	7.758313	7.724339	7.808788	6.650286e-04	0.0033292356	0.011355322
## 456	60	7.727966	7.693020	7.751001	3.664719e-04	0.0024714095	0.010456248
## 457	60	7.677286	7.630905	7.698442	4.365674e-04	0.0026974290	0.010672873
## 458	60	7.571686	7.545175	7.630573	7.865545e-04	0.0036206687	0.011697998
## 459	60	7.510114	7.487687	7.552626	5.548383e-04	0.0030409381	0.011027682
## 460	60	7.565944	7.497106	7.603350	9.856623e-04	0.0040531105	0.012243135

## 461	60	7.636181	7.580473	7.673087	8.496647e-04	0.0037631209	0.011874377
## 462	60	7.657064	7.638627	7.704623	2.871293e-04	0.0021875760	0.010203381
## 463	60	7.694265	7.641554	7.728787	1.092516e-03	0.0042671543	0.012528195
## 464	60	7.642104	7.616591	7.674473	4.010704e-04	0.0025854414	0.010562750
## 465	60	7.589189	7.550891	7.655242	8.276941e-04	0.0037141488	0.011813220
## 466	60	7.526809	7.502215	7.555083	1.735226e-04	0.0017006007	0.009828267
## 467	60	7.524451	7.502136	7.536653	7.698172e-05	0.0011327086	0.009500201
## 468	60	7.533289	7.515709	7.547632	9.527972e-05	0.0012601569	0.009563405
## 469	60	7.547335	7.515747	7.577957	1.452213e-04	0.0015557489	0.009733832
## 470	60	7.893661	7.581020	8.178547	3.977058e-02	0.0257457367	0.052414204
## 471	60	8.139201	8.083129	8.218064	1.754964e-03	0.0054082716	0.014163867
## 472	60	8.120275	7.871236	8.243656	1.583503e-02	0.0162455294	0.033804589
## 473	60	7.922723	7.859983	8.041407	3.919565e-03	0.0080824552	0.018510844
## 474	60	7.955520	7.721609	8.079578	1.412534e-02	0.0153434790	0.032063015
## 475	60	7.596750	7.566335	7.712463	1.452260e-03	0.0049197903	0.013436880
## 476	60	7.575676	7.565399	7.584882	3.687291e-05	0.0007839314	0.009361741
## 477	60	7.569716	7.558886	7.581878	3.755869e-05	0.0007911879	0.009364078
## 478	60	7.519161	7.433356	7.573783	1.658930e-03	0.0052582165	0.013930239
## 479	60	7.460665	7.399698	7.517385	1.816298e-03	0.0055019665	0.014295192
## 480	60	7.626367	7.519668	7.703667	3.016151e-03	0.0070900761	0.016826884
## 481	60	7.765380	7.674082	7.836792	2.641184e-03	0.0066347370	0.016081014
## 482	60	7.795058	7.676364	7.845786	2.681769e-03	0.0066855182	0.016163701
## 483	60	7.828515	7.776645	7.863455	7.966096e-04	0.0036437380	0.011730215
## 484	60	7.854151	7.801474	7.956701	2.723077e-03	0.0067368107	0.016248709
## 485	60	7.924602	7.773350	8.005987	3.838353e-03	0.0079982845	0.018363213
## 486	60	7.596671	7.514832	7.766875	7.477356e-03	0.0111634495	0.024121681
## 487	60	7.565178	7.440045	7.788680	1.444503e-02	0.0155161354	0.032393883
## 488	60	7.745176	7.557677	7.839055	5.136761e-03	0.0092527125	0.020604896
## 489	60	7.474397	7.454282	7.547028	4.233508e-04	0.0026562845	0.010629268
## 490	60	7.475846	7.450555	7.511829	4.340795e-04	0.0026897321	0.010661652
## 491	60	7.497161	7.481212	7.515865	6.732870e-05	0.0010593135	0.009466364
## 492	60	7.571605	7.519297	7.633732	1.405453e-03	0.0048398565	0.013320916
## 493	60	7.691116	7.620568	7.790201	2.004221e-03	0.0057795920	0.014723874
## 494	60	7.897815	7.793576	8.056211	8.270367e-03	0.0117405047	0.025203452
## 495	60	8.030074	7.975015	8.083343	1.353911e-03	0.0047502832	0.013200350
## 496	60	8.126006	7.997952	8.255593	5.574443e-03	0.0096388478	0.021311071
## 497	60	8.495950	8.266262	8.660828	1.655717e-02	0.0166118268	0.034515699
## 498	60	8.740219	8.640403	8.806360	2.304337e-03	0.0061972271	0.015391475
## 499	60	8.632849	8.499989	8.783283	8.418120e-03	0.0118449143	0.025404938
## 500	60	8.169135	7.778734	8.599436	9.311029e-02	0.0393933762	0.079513903
## 501	60	7.617274	7.491820	7.773780	1.044878e-02	0.0131964499	0.027951868
## 502	60	7.483938	7.430861	7.527508	8.601411e-04	0.0037862494	0.011900785
## 503	60	7.592448	7.522769	7.686154	2.742023e-03	0.0067602059	0.016283517
## 504	60	7.571861	7.533203	7.673967	1.210330e-03	0.0044913442	0.012832084
## 505	60	7.617624	7.540495	7.678920	2.094110e-03	0.0059077769	0.014921263
## 506	60	7.616791	7.499271	7.720830	6.237121e-03	0.0101956859	0.022327434
## 507	60	7.466469	7.418554	7.498685	4.785930e-04	0.0028242786	0.010797487
## 508	60	7.391849	7.376999	7.416662	1.284390e-04	0.0014630962	0.009673711
## 509	60	7.385185	7.351940	7.412529	3.525584e-04	0.0024240408	0.010405872
## 510	60	7.343537	7.325364	7.355743	5.742463e-05	0.0009783032	0.009428520
## 511	60	7.298489	7.235409	7.323061	8.131656e-04	0.0036814072	0.011767051
## 512	60	7.238287	7.196080	7.275871	5.687574e-04	0.0030788455	0.011063906
## 513	60	7.269462	7.250834	7.287222	1.422765e-04	0.0015398943	0.009717803
## 514	60	7.313563	7.250560	7.369121	1.977119e-03	0.0057403823	0.014657510

## 515	60	7.335622	7.319375	7.355920	1.262797e-04	0.0014507452	0.009665104
## 516	60	7.322132	7.309509	7.331759	3.356488e-05	0.0007479403	0.009344619
## 517	60	7.384477	7.298861	7.661620	1.120458e-02	0.0136653915	0.028843905
## 518	60	8.040755	7.671899	8.236068	3.469952e-02	0.0240483952	0.049064940
## 519	60	8.072283	7.852376	8.238036	1.105592e-02	0.0135744386	0.028674368
## 520	60	7.728987	7.544687	7.858598	1.074065e-02	0.0133794922	0.028300567
## 521	60	7.598179	7.534138	7.683542	2.581592e-03	0.0065594618	0.015957034
## 522	60	7.469980	7.424699	7.533105	1.074225e-03	0.0042312833	0.012477011
## 523	60	7.478773	7.392133	7.534353	1.679628e-03	0.0052909174	0.013978317
## 524	60	7.370426	7.355199	7.386047	6.842533e-05	0.0010679055	0.009467367
## 525	60	7.366017	7.341939	7.457830	7.161473e-04	0.0034548210	0.011495810
## 526	60	7.582340	7.462392	7.680245	3.744387e-03	0.0078997754	0.018190929
## 527	60	7.655493	7.594339	7.702361	1.009805e-03	0.0041024477	0.012309291
## 528	60	7.526082	7.419978	7.585953	2.033378e-03	0.0058214797	0.014785867
## 529	60	7.443355	7.403502	7.508787	1.124089e-03	0.0043283735	0.012607028
## 530	60	7.373173	7.336771	7.405022	2.833981e-04	0.0021733160	0.010185377
## 531	60	7.241542	7.200545	7.333729	1.468953e-03	0.0049479839	0.013471832
## 532	60	7.104013	7.024333	7.207545	3.101629e-03	0.0071898407	0.016986740
## 533	60	6.998384	6.975295	7.031780	2.327776e-04	0.0019696767	0.010013434
## 534	60	7.107866	7.034454	7.180538	2.744831e-03	0.0067636665	0.016282840
## 535	60	7.187116	7.164102	7.308436	9.952922e-04	0.0040728619	0.012264005
## 536	60	7.379439	7.322905	7.464013	1.085699e-03	0.0042538206	0.012506013
## 537	60	7.462314	7.407070	7.513641	1.208429e-03	0.0044878148	0.012824671
## 538	60	7.405369	7.324270	7.446460	7.163454e-04	0.0034552989	0.011496173
## 539	60	7.292665	7.245998	7.373704	7.833992e-04	0.0036133991	0.011684662
## 540	60	7.455893	7.377507	7.531467	2.976377e-03	0.0070431733	0.016747072
## 541	60	7.546412	7.492249	7.583302	5.976232e-04	0.0031560080	0.011154782
## 542	60	7.488718	7.421772	7.584158	3.003901e-03	0.0070756631	0.016801535
## 543	60	7.607336	7.484916	7.674493	4.664886e-03	0.0088174885	0.019817607
## 544	60	7.611736	7.575792	7.663688	1.005907e-03	0.0040945226	0.012298257
## 545	60	7.642716	7.601203	7.724009	1.187245e-03	0.0044483052	0.012773736
## 546	60	7.555324	7.355899	7.742108	1.807321e-02	0.0173556956	0.035953136
## 547	60	7.337606	7.291237	7.394648	1.260628e-03	0.0045837174	0.012955621
## 548	60	7.343099	7.239739	7.419921	3.564605e-03	0.0077077939	0.017860828
## 549	60	7.229323	7.146318	7.307442	1.977891e-03	0.0057415017	0.014658378
## 550	60	7.189630	7.141480	7.234844	7.231074e-04	0.0034715687	0.011511704
## 551	60	7.321665	7.178355	7.558066	1.125869e-02	0.0136983527	0.028906082
## 552	60	7.719558	7.571777	7.828837	4.156719e-03	0.0083233795	0.018935714
## 553	60	7.479818	7.282951	7.688552	2.159887e-02	0.0189731709	0.039102160
## 554	60	7.302331	7.167299	7.469628	8.412159e-03	0.0118407197	0.025387197
## 555	60	7.209048	7.129138	7.272283	2.076232e-03	0.0058825052	0.014876335
## 556	60	7.286676	7.170788	7.350361	2.135140e-03	0.0059653725	0.015006725
## 557	60	7.299866	7.191068	7.375869	3.574000e-03	0.0077179449	0.017877572
## 558	60	7.133269	7.108685	7.186894	6.505947e-04	0.0032929083	0.011302329
## 559	60	7.127535	7.063116	7.196353	1.530289e-03	0.0050502292	0.013618303
## 560	60	7.088361	7.037768	7.149710	1.696587e-03	0.0053175607	0.014012461
## 561	60	7.044103	7.002651	7.126526	1.650372e-03	0.0052446357	0.013903514
## 562	60	6.964746	6.942013	7.001833	4.176560e-04	0.0026383581	0.010601202
## 563	60	6.910175	6.889720	6.943084	2.556160e-04	0.0020640413	0.010086181
## 564	60	6.871968	6.859477	6.895841	8.814158e-05	0.0012120339	0.009524956
## 565	60	6.892882	6.880244	6.925790	9.687054e-05	0.0012706333	0.009555607
## 566	60	7.012272	6.928851	7.055881	1.232788e-03	0.0045328212	0.012879582
## 567	60	7.004876	6.953224	7.054789	9.541457e-04	0.0039877850	0.012149200
## 568	60	6.901547	6.835652	6.981612	1.485251e-03	0.0049753578	0.013506148

## 569	60	6.838494	6.805589	6.912981	7.518607e-04	0.0035399170	0.011587690
## 570	60	6.915741	6.886873	6.964707	6.297858e-04	0.0032398195	0.011237748
## 571	60	7.175977	6.972312	7.356738	2.414595e-02	0.0200607186	0.041226214
## 572	60	7.599880	7.322516	7.814287	2.214873e-02	0.0192131605	0.039571326
## 573	60	7.515002	7.394139	7.713710	6.266660e-03	0.0102198014	0.022371791
## 574	60	7.552990	7.491061	7.613431	1.359973e-03	0.0047609047	0.013208136
## 575	60	7.391043	7.319960	7.489655	2.288435e-03	0.0061758068	0.015339994
## 576	60	7.375318	7.176735	7.570041	1.935593e-02	0.0179610350	0.037128991
## 577	60	7.095203	7.013045	7.182215	1.941490e-03	0.0056884246	0.014574944
## 578	60	7.002204	6.958604	7.112994	1.949118e-03	0.0056995874	0.014591134
## 579	60	7.237142	7.118317	7.311321	3.408096e-03	0.0075366833	0.017569781
## 580	60	7.095893	7.022442	7.300323	8.240704e-03	0.0117194309	0.025158199
## 581	60	7.056973	7.032327	7.101176	4.366491e-04	0.0026976814	0.010661706
## 582	60	7.141233	7.108802	7.168526	1.779119e-04	0.0017219750	0.009834894
## 583	60	7.086394	7.020316	7.157198	2.218693e-03	0.0060809716	0.015185667
## 584	60	7.060491	6.978063	7.143880	3.679689e-03	0.0078312288	0.018067833
## 585	60	6.940676	6.914228	6.981165	2.772365e-04	0.0021495599	0.010157015
## 586	60	6.854220	6.811086	6.910678	1.137586e-03	0.0043542814	0.012632452
## 587	60	6.800366	6.763183	6.830758	2.846423e-04	0.0021780814	0.010177897
## 588	60	6.958322	6.813133	7.070504	8.057768e-03	0.0115886207	0.024911158
## 589	60	6.985712	6.893073	7.068225	2.723937e-03	0.0067378746	0.016239286
## 590	60	6.814652	6.755930	6.886991	7.714858e-04	0.0035858189	0.011642658
## 591	60	6.749959	6.715045	6.797925	5.474942e-04	0.0030207456	0.010991835
## 592	60	6.731203	6.700482	6.770885	3.896705e-04	0.0025484325	0.010509782
## 593	60	6.660509	6.594014	6.756319	2.805867e-03	0.0068384534	0.016400073
## 594	60	6.584849	6.570111	6.603430	9.921974e-05	0.0012859480	0.009556810
## 595	60	6.600841	6.589820	6.613411	3.738469e-05	0.0007893530	0.009342379
## 596	60	6.592390	6.571340	6.604560	8.770126e-05	0.0012090028	0.009517217
## 597	60	6.557623	6.543676	6.577266	1.062026e-04	0.0013304299	0.009580193
## 598	60	6.575398	6.537183	6.598828	2.909897e-04	0.0022022327	0.010193708
## 599	60	6.590674	6.541374	6.611344	4.164157e-04	0.0026344375	0.010589865
## 600	60	6.506874	6.493475	6.537845	1.140422e-04	0.0013786598	0.009606164
## 601	60	6.508654	6.474504	6.559739	8.559486e-04	0.0037770106	0.011872637
## 602	60	6.551966	6.536110	6.562800	3.687668e-05	0.0007839715	0.009339493
## 603	60	6.560945	6.530790	6.574869	1.528480e-04	0.0015960785	0.009738545
## 604	60	6.550212	6.538215	6.567655	8.560135e-05	0.0011944410	0.009509188
## 605	60	6.667847	6.543188	6.827561	8.965905e-03	0.0122242280	0.026104330
## 606	60	6.892695	6.806447	6.990524	4.774698e-03	0.0089206671	0.019996918
## 607	60	7.092270	6.990562	7.208969	4.186315e-03	0.0083529581	0.018982274
## 608	60	7.236355	7.156222	7.284607	1.710344e-03	0.0053390763	0.014046585
## 609	60	6.980550	6.832923	7.149475	7.081891e-03	0.0108642307	0.023559712
## 610	60	6.729070	6.692097	6.829123	1.193111e-03	0.0044592815	0.012774520
## 611	60	6.663557	6.630489	6.712704	4.082483e-04	0.0026084743	0.010566487
## 612	60	6.615242	6.600601	6.635383	1.103816e-04	0.0013563528	0.009595722
## 613	60	6.682664	6.623587	6.719998	8.722821e-04	0.0038128774	0.011920411
## 614	60	6.689262	6.661430	6.715319	2.562598e-04	0.0020666390	0.010083680
## 615	60	6.688567	6.659598	6.716351	2.917199e-04	0.0022049940	0.010198400
## 616	60	6.738958	6.663653	6.810580	1.288068e-03	0.0046333362	0.013015775
## 617	60	6.909488	6.812100	6.979371	3.904021e-03	0.0080664131	0.018471921
## 618	60	6.885151	6.685957	6.964904	6.220861e-03	0.0101823877	0.022296570
## 619	60	6.517968	6.436490	6.677572	4.461907e-03	0.0086235210	0.019460165
## 620	60	6.396989	6.376136	6.435731	1.776275e-04	0.0017205983	0.009818776
## 621	60	6.357067	6.326405	6.409333	6.558898e-04	0.0033062814	0.011303703
## 622	60	6.351782	6.317066	6.419334	1.145374e-03	0.0043691613	0.012644763

## 623	60	6.459655	6.416664	6.519695	8.327119e-04	0.0037253900	0.011807574
## 624	60	6.447209	6.428400	6.485599	1.876181e-04	0.0017683235	0.009853124
## 625	60	6.434078	6.427795	6.439201	7.620372e-06	0.0003563793	0.009233449
## 626	60	6.402296	6.389078	6.431344	8.932582e-05	0.0012201490	0.009519119
## 627	60	6.357061	6.323011	6.404384	6.372966e-04	0.0032590811	0.011249528
## 628	60	6.319121	6.298314	6.336482	1.565907e-04	0.0016155016	0.009746177
## 629	60	6.310817	6.283478	6.388707	8.617994e-04	0.0037898976	0.011885868
## 630	60	6.509491	6.380814	6.682895	1.391578e-02	0.0152292380	0.031834669
## 631	60	6.769042	6.633044	6.875623	5.974266e-03	0.0099785321	0.021920944
## 632	60	6.653438	6.581827	6.716898	1.149714e-03	0.0043774312	0.012660793
## 633	60	6.524701	6.467820	6.580677	1.449191e-03	0.0049145888	0.013412205
## 634	60	6.419058	6.358804	6.465403	9.998136e-04	0.0040821025	0.012262110
## 635	60	6.317869	6.255934	6.358648	9.061323e-04	0.0038861556	0.012007085
## 636	60	6.247686	6.218020	6.267552	1.607974e-04	0.0016370574	0.009758891
## 637	60	6.238746	6.223398	6.257572	9.628849e-05	0.0012668102	0.009539384
## 638	60	6.217763	6.201683	6.237395	1.590706e-04	0.0016282433	0.009752458
## 639	60	6.297269	6.235231	6.410133	2.306146e-03	0.0061996580	0.015363523
## 640	60	6.417347	6.349506	6.455634	7.583726e-04	0.0035552136	0.011598095
## 641	60	6.438214	6.347303	6.554710	3.910656e-03	0.0080732642	0.018479807
## 642	60	6.755516	6.556230	6.823994	6.372369e-03	0.0103056364	0.022522578
## 643	60	6.672254	6.610838	6.787807	2.500952e-03	0.0064562017	0.015778831
## 644	60	6.561863	6.354925	6.721792	1.861480e-02	0.0176138193	0.036449223
## 645	60	6.401975	6.351864	6.437699	6.300048e-04	0.0032403826	0.011228849
## 646	60	6.367467	6.335429	6.386643	3.038529e-04	0.0022503812	0.010230804
## 647	60	6.301776	6.274101	6.335274	3.407288e-04	0.0023830259	0.010347353
## 648	60	6.243163	6.223886	6.272834	1.529505e-04	0.0015966138	0.009732590
## 649	60	6.220198	6.196322	6.250630	3.601424e-04	0.0024499741	0.010407063
## 650	60	6.214420	6.188953	6.231975	1.746593e-04	0.0017061617	0.009804637
## 651	60	6.208400	6.188136	6.237024	1.260398e-04	0.0014493664	0.009640711
## 652	60	6.319607	6.235445	6.467858	3.438875e-03	0.0075706395	0.017617411
## 653	60	6.666408	6.476239	6.745713	4.932854e-03	0.0090672069	0.020259115
## 654	60	6.713210	6.643826	6.768018	1.267174e-03	0.0045956035	0.012962343
## 655	60	6.736462	6.687321	6.769421	5.690573e-04	0.0030796570	0.011055472
## 656	60	6.557802	6.497704	6.684280	2.732677e-03	0.0067486751	0.016252124
## 657	60	6.435303	6.298234	6.533440	6.031584e-03	0.0100262852	0.022005741
## 658	60	6.238746	6.193514	6.295564	8.481708e-04	0.0037598112	0.011846601
## 659	60	6.160071	6.114899	6.195816	8.227817e-04	0.0037031106	0.011774372
## 660	60	6.145161	6.117083	6.161683	8.436892e-05	0.0011858114	0.009496260
## 661	60	6.184682	6.160375	6.201292	9.612411e-05	0.0012657284	0.009537621
## 662	60	6.223034	6.188933	6.313013	1.088138e-03	0.0042585954	0.012493675
## 663	60	6.504423	6.317962	6.633862	1.105193e-02	0.0135719869	0.028658984
## 664	60	6.634492	6.558180	6.727347	2.720412e-03	0.0067335132	0.016227890
## 665	60	6.837647	6.736102	6.884903	1.246636e-03	0.0045582081	0.012912106
## 666	60	6.760745	6.712004	6.831364	1.816174e-03	0.0055017789	0.014285127
## 667	60	6.499304	6.405845	6.711751	9.366403e-03	0.0124942674	0.026613369
## 668	60	6.364372	6.313557	6.435008	1.481740e-03	0.0049694734	0.013489382
## 669	60	6.244251	6.190221	6.311646	1.323840e-03	0.0046972339	0.013097879
## 670	60	6.233324	6.189441	6.264491	6.423450e-04	0.0032719641	0.011261718
## 671	60	6.156963	6.121371	6.218038	5.844266e-04	0.0031209684	0.011090886
## 672	60	6.100373	6.089656	6.116419	5.302164e-05	0.0009400500	0.009386378
## 673	60	6.116807	6.085095	6.159655	4.239588e-04	0.0026581912	0.010604560
## 674	60	6.309655	6.168779	6.356252	1.767617e-03	0.0054277328	0.014166375
## 675	60	6.319805	6.292191	6.345548	2.509360e-04	0.0020450592	0.010058881
## 676	60	6.304537	6.245446	6.346210	1.346753e-03	0.0047377089	0.013155670

## 677	60	6.226718	6.204626	6.249307	1.657450e-04	0.0016620522	0.009775129
## 678	60	6.306738	6.229735	6.355919	1.146536e-03	0.0043713757	0.012646757
## 679	60	6.168080	6.103925	6.274433	2.215571e-03	0.0060766920	0.015167092
## 680	60	6.084693	6.066636	6.104099	1.061282e-04	0.0013299636	0.009569906
## 681	60	6.159227	6.097959	6.211801	1.384577e-03	0.0048037773	0.013247583
## 682	60	6.277955	6.210845	6.416782	4.621456e-03	0.0087763471	0.019731864
## 683	60	6.389146	6.361827	6.418964	3.074243e-04	0.0022635676	0.010242889
## 684	60	6.394746	6.366017	6.424110	3.177088e-04	0.0023011184	0.010275873
## 685	60	6.385030	6.357031	6.412588	2.444548e-04	0.0020184765	0.010039080
## 686	60	6.445778	6.387558	6.527299	1.702179e-03	0.0053263160	0.014016512
## 687	60	6.430107	6.361924	6.530378	2.916190e-03	0.0069715970	0.016616504
## 688	60	6.293206	6.246675	6.360033	1.179493e-03	0.0044337590	0.012732018
## 689	60	6.188375	6.142483	6.246381	1.203372e-03	0.0044784153	0.012791588
## 690	60	6.196222	6.159499	6.231781	6.082955e-04	0.0031840631	0.011161506
## 691	60	6.287595	6.224665	6.455596	3.743134e-03	0.0078984532	0.018174951
## 692	60	6.585503	6.467408	6.647199	1.669748e-03	0.0052753333	0.013942159
## 693	60	6.572980	6.521041	6.621893	1.125982e-03	0.0043320170	0.012597624
## 694	60	6.575582	6.532699	6.636553	8.154129e-04	0.0036864909	0.011761438
## 695	60	6.697254	6.640726	6.734561	8.901707e-04	0.0038517760	0.011969783
## 696	60	6.799533	6.727347	6.888003	2.336176e-03	0.0062398935	0.015433802
## 697	60	6.653848	6.573522	6.760512	3.572477e-03	0.0077163000	0.017867764
## 698	60	6.573950	6.506438	6.649361	2.443414e-03	0.0063815020	0.015656961
## 699	60	6.583587	6.487899	6.721948	5.220647e-03	0.0093279567	0.020731349
## 700	60	6.864596	6.734503	6.939127	3.451220e-03	0.0075842157	0.017645812
## 701	60	6.978720	6.925595	7.036733	6.608468e-04	0.0033187517	0.011329344
## 702	60	7.123467	7.045119	7.273083	4.668141e-03	0.0088205638	0.019819370
## 703	60	7.238396	7.125862	7.307735	2.970392e-03	0.0070360877	0.016732617
## 704	60	7.204401	7.124771	7.262650	1.834971e-03	0.0055301761	0.014334352
## 705	60	7.174901	7.132356	7.222773	6.983648e-04	0.0034116584	0.011440768
## 706	60	7.213919	7.167025	7.294084	1.208524e-03	0.0044879919	0.012821423
## 707	60	7.408128	7.296737	7.461086	2.509634e-03	0.0064673978	0.015805548
## 708	60	7.418057	7.383767	7.461106	3.901022e-04	0.0025498436	0.010524496
## 709	60	7.536393	7.466448	7.578699	8.253836e-04	0.0037089612	0.011805479
## 710	60	7.563486	7.522827	7.603759	4.001321e-04	0.0025824151	0.010558468
## 711	60	7.534841	7.503130	7.582814	5.864335e-04	0.0031263223	0.011121819
## 712	60	7.655525	7.532850	7.751157	3.826907e-03	0.0079863495	0.018339915
## 713	60	7.800906	7.750104	7.834862	8.431827e-04	0.0037487392	0.011859244
## 714	60	7.795544	7.767734	7.825404	2.837605e-04	0.0021747050	0.010194965
## 715	60	7.861177	7.824292	7.878842	1.383150e-04	0.0015183049	0.009716857
## 716	60	7.921422	7.870807	7.967057	8.826183e-04	0.0038354016	0.011970081
## 717	60	7.971719	7.924189	8.002556	3.706134e-04	0.0024853349	0.010474142
## 718	60	8.026785	7.974157	8.088784	7.874753e-04	0.0036227875	0.011708580
## 719	60	8.091418	8.060562	8.130406	3.493240e-04	0.0024128959	0.010409768
## 720	60	8.104593	8.067232	8.151570	5.601108e-04	0.0030553527	0.011054431
## 721	60	8.118307	8.045367	8.174840	2.003840e-03	0.0057790433	0.014728367
## 722	60	8.286183	8.182448	8.345084	2.562883e-03	0.0065356494	0.015927023
## 723	60	8.292182	8.254148	8.358663	1.033545e-03	0.0041503914	0.012383236
## 724	60	8.219038	8.165633	8.348226	2.307329e-03	0.0062012486	0.015391749
## 725	60	8.454778	8.355462	8.501899	1.236901e-03	0.0045403770	0.012912950
## 726	60	8.448422	8.376997	8.525815	2.154691e-03	0.0059926216	0.015065357
## 727	60	8.564993	8.446695	8.632464	3.158816e-03	0.0072558202	0.017113841
## 728	60	8.698363	8.608411	8.780629	2.921011e-03	0.0069773572	0.016653628
## 729	60	8.692175	8.589975	8.885919	5.825662e-03	0.0098536473	0.021709289
## 730	60	8.834735	8.713128	8.926187	3.574519e-03	0.0077185051	0.017896258



## 731	60	8.794397	8.701328	8.859151	2.482672e-03	0.0064325624	0.015767645
## 732	60	8.892105	8.847251	8.957949	1.122676e-03	0.0043256519	0.012626864
## 733	60	8.774410	8.744539	8.840014	4.781471e-04	0.0028229627	0.010821526
## 734	60	8.737676	8.717810	8.794636	3.885093e-04	0.0025446326	0.010545434
## 735	60	8.850374	8.795007	8.888221	3.485733e-04	0.0024103018	0.010422314
## 736	60	8.989400	8.888612	9.090578	2.273315e-03	0.0061553707	0.015329026
## 737	60	9.174316	9.093251	9.260246	1.611840e-03	0.0051830495	0.013843886
## 738	60	9.253697	9.210863	9.279836	2.827973e-04	0.0021710109	0.010221074
## 739	60	9.297496	9.179197	9.348987	2.317700e-03	0.0062151690	0.015427153
## 740	60	9.190182	9.161209	9.224442	2.694297e-04	0.0021190787	0.010176964
## 741	60	9.228472	9.168505	9.263663	7.927982e-04	0.0036350107	0.011744017
## 742	60	9.353358	9.265573	9.403544	1.214153e-03	0.0044984320	0.012869428
## 743	60	9.559461	9.405066	9.673470	6.460294e-03	0.0103764909	0.022677146
## 744	60	9.628620	9.564621	9.691617	1.464303e-03	0.0049401467	0.013496357
## 745	60	9.604520	9.544191	9.673646	1.083079e-03	0.0042486849	0.012535324
## 746	60	9.776596	9.656200	9.824277	1.982487e-03	0.0057481689	0.014703788
## 747	60	9.875205	9.794243	9.932781	1.949263e-03	0.0056998003	0.014631013
## 748	60	10.005162	9.879681	10.083212	3.867186e-03	0.0080282689	0.018437801
## 749	60	10.093520	9.977065	10.251700	7.667861e-03	0.0113047641	0.024404864
## 750	60	10.151894	10.071755	10.250941	2.968113e-03	0.0070333881	0.016764209
## 751	60	10.190117	10.163679	10.232164	3.987363e-04	0.0025779071	0.010605134
## 752	60	10.265575	10.225001	10.332699	9.784927e-04	0.0040383428	0.012269674
## 753	60	10.360886	10.257109	10.428865	1.780526e-03	0.0054475168	0.014254875
## 754	60	10.568872	10.430779	10.665419	7.131094e-03	0.0109019068	0.023658048
## 755	60	10.656029	10.601413	10.755621	2.197040e-03	0.0060512253	0.015187549
## 756	60	10.786977	10.756754	10.824217	2.929929e-04	0.0022097997	0.010284768
## 757	60	10.912160	10.799191	11.035265	4.578267e-03	0.0087352422	0.019701841
## 758	60	11.098063	11.033684	11.193356	2.876013e-03	0.0069234059	0.016594774
## 759	60	11.213984	11.172156	11.297184	1.284306e-03	0.0046265641	0.013076957
## 760	60	11.326860	11.298706	11.356046	4.147250e-04	0.0026290842	0.010676283
## 761	60	11.420495	11.346012	11.517454	1.690290e-03	0.0053076830	0.014061739
## 762	60	11.629490	11.520502	11.727062	2.392431e-03	0.0063145746	0.015616755
## 763	60	11.844824	11.727062	11.950487	4.616362e-03	0.0087715090	0.019775596
## 764	60	11.946150	11.917741	11.995148	4.355157e-04	0.0026941781	0.010752326
## 765	60	12.001484	11.975073	12.031058	2.721363e-04	0.0021296959	0.010242513
## 766	60	12.084176	11.986556	12.197245	3.654622e-03	0.0078045093	0.018079927
## 767	60	12.242373	12.203340	12.298055	8.307845e-04	0.0037210762	0.011902519
## 768	60	12.306289	12.244096	12.364341	1.575898e-03	0.0051249353	0.013805078
## 769	60	12.422431	12.365473	12.447071	4.603937e-04	0.0027700592	0.010836643
## 770	60	12.461038	12.431074	12.495212	4.310206e-04	0.0026802381	0.010748298
## 771	60	12.558219	12.490095	12.656034	2.663995e-03	0.0066633258	0.016189058
## 772	60	12.692921	12.656794	12.732657	4.280639e-04	0.0026710295	0.010743882
## 773	60	12.764492	12.734961	12.803304	3.879330e-04	0.0025427446	0.010622040
## 774	60	12.851935	12.803675	12.895988	6.575509e-04	0.0033104654	0.011426045
## 775	60	12.981298	12.896749	13.040770	1.837963e-03	0.0055346828	0.014424114
## 776	60	13.094601	13.028737	13.166706	2.411410e-03	0.0063395713	0.015675723
## 777	60	13.204642	13.169423	13.241564	4.203596e-04	0.0026468837	0.010730247
## 778	60	13.358534	13.246918	13.469547	4.280917e-03	0.0084468115	0.019210579
## 779	60	13.488560	13.441318	13.569517	1.920440e-03	0.0056575030	0.014618043
## 780	60	13.625981	13.571041	13.666951	6.003617e-04	0.0031632306	0.011274981
## 781	60	13.716938	13.643662	13.807175	3.501213e-03	0.0076389491	0.017818310
## 782	60	13.848557	13.783788	13.926322	2.088941e-03	0.0059004819	0.014996370
## 783	60	13.999939	13.936249	14.043266	9.341397e-04	0.0039457566	0.012213938
## 784	60	14.111845	14.027633	14.158298	1.723605e-03	0.0053597337	0.014178183

## 785	60	14.121066	14.098602	14.148645	1.695754e-04	0.0016811472	0.009953183
## 786	60	14.135743	14.106419	14.164727	4.493512e-04	0.0027366380	0.010836378
## 787	60	14.161110	14.123323	14.185714	2.807269e-04	0.0021630493	0.010313750
## 788	60	14.253749	14.176588	14.359083	3.426979e-03	0.0075575336	0.017687674
## 789	60	14.377262	14.342199	14.454703	7.630722e-04	0.0035662122	0.011752888
## 790	60	14.462414	14.428574	14.499221	3.440599e-04	0.0023946464	0.010519511
## 791	60	14.538125	14.498809	14.564122	3.266840e-04	0.0023333953	0.010466493
## 792	60	14.578118	14.537447	14.629122	9.903924e-04	0.0040628242	0.012374042
## 793	60	14.645205	14.603168	14.685564	4.715885e-04	0.0028035351	0.010913520
## 794	60	14.775973	14.679270	14.845239	2.629248e-03	0.0066197275	0.016146943
## 795	60	14.937455	14.841115	15.001168	2.872321e-03	0.0069189603	0.016635387
## 796	60	15.012090	14.972360	15.069794	8.489507e-04	0.0037615393	0.012000972
## 797	60	15.097937	15.067409	15.148663	4.253325e-04	0.0026624941	0.010782645
## 798	60	15.122118	15.083925	15.152220	4.322522e-04	0.0026840647	0.010803744
## 799	60	15.175139	15.088519	15.201361	1.077651e-03	0.0042380244	0.012612792
## 800	60	15.223575	15.184570	15.280155	1.053615e-03	0.0041904945	0.012551449
## 801	60	15.344895	15.263734	15.410495	1.493998e-03	0.0049899859	0.013655947
## 802	60	15.512340	15.416614	15.560159	1.686295e-03	0.0053014067	0.014112534
## 803	60	15.566415	15.536642	15.614270	4.150348e-04	0.0026300659	0.010760409
## 804	60	15.641903	15.609032	15.666427	2.646936e-04	0.0021003714	0.010292979
## 805	60	15.638985	15.587155	15.673173	6.827569e-04	0.0033733190	0.011548809
## 806	60	15.593528	15.559318	15.621483	2.750051e-04	0.0021408920	0.010324868
## 807	60	15.620052	15.591457	15.648736	2.634961e-04	0.0020956149	0.010288799
## 808	60	15.737590	15.618180	15.846562	4.328763e-03	0.0084938829	0.019317808
## 809	60	15.878142	15.849611	15.910843	2.394073e-04	0.0019975289	0.010217136
## 810	60	15.921164	15.877235	15.944882	2.288143e-04	0.0019528370	0.010183778
## 811	60	15.863069	15.824939	15.906620	6.131754e-04	0.0031968093	0.011353804
## 812	60	15.847154	15.777587	15.966544	4.134254e-03	0.0083008570	0.018976514
## 813	60	16.078459	15.971510	16.112224	1.754176e-03	0.0054070574	0.014277619
## 814	60	16.293118	16.112477	16.526519	1.395748e-02	0.0152520366	0.031938934
## 815	60	16.729774	16.542943	16.856361	8.161347e-03	0.0116628666	0.025125850
## 816	60	16.918995	16.797183	17.030084	6.441855e-03	0.0103616722	0.022712442
## 817	60	17.013507	16.905488	17.056428	1.235093e-03	0.0045370574	0.013045956
## 818	60	16.863346	16.806472	16.961497	1.787425e-03	0.0054580604	0.014366348
## 819	60	16.802498	16.762451	16.830408	4.867831e-04	0.0028483419	0.011000390
## 820	60	16.803888	16.773637	16.869619	6.579920e-04	0.0033115756	0.011500316
## 821	60	16.993412	16.849105	17.155840	1.092329e-02	0.0134927686	0.028579897
## 822	60	17.259498	17.172252	17.435867	4.691165e-03	0.0088422898	0.019955276
## 823	60	17.351695	17.203956	17.488699	1.003029e-02	0.0129294821	0.027513994
## 824	60	17.469727	17.269886	17.599159	1.075750e-02	0.0133899824	0.028387727
## 825	60	17.342304	17.189190	17.518980	1.497183e-02	0.0157965353	0.032992746
## 826	60	17.464078	17.218840	17.714256	2.785017e-02	0.0215445917	0.044181634
## 827	60	17.671287	17.600174	17.735519	1.766264e-03	0.0054256553	0.014329450
## 828	60	17.635129	17.536173	17.861264	1.017128e-02	0.0130200329	0.027688081
## 829	60	17.865940	17.778399	17.974962	2.887037e-03	0.0069366623	0.016702178
## 830	60	17.753276	17.698821	17.815821	8.184819e-04	0.0036934218	0.011966153
## 831	60	17.697129	17.630064	17.815311	3.499332e-03	0.0076368970	0.017862357
## 832	60	18.081145	17.680494	18.282799	2.881371e-02	0.0219141155	0.044909210
## 833	60	18.196278	18.120241	18.278986	2.171110e-03	0.0060154109	0.015235640
## 834	60	18.388931	18.078336	18.597185	2.865129e-02	0.0218522670	0.044789260
## 835	60	18.419053	18.247995	18.634616	1.481824e-02	0.0157152991	0.032843110
## 836	60	18.856965	18.655610	18.920166	2.976502e-03	0.0070433209	0.016888938
## 837	60	18.719183	18.583056	18.919776	6.910758e-03	0.0107321616	0.023411873
## 838	60	18.471256	18.288905	18.747204	2.109767e-02	0.0187517431	0.038726772

## 839	60	18.299832	18.205345	18.411363	3.308479e-03	0.0074257198	0.017515637
## 840	60	18.604785	18.225475	18.860053	3.451904e-02	0.0239857749	0.048984780
## 841	60	18.347831	18.118559	18.601096	2.757256e-02	0.0214369477	0.043974629
## 842	60	18.269688	18.209571	18.337073	1.453434e-03	0.0049217776	0.013603930
## 843	60	18.375215	18.227257	18.466149	6.876101e-03	0.0107052177	0.023358238
## 844	60	18.265276	18.204758	18.375345	3.005205e-03	0.0070771993	0.016937712
## 845	60	18.331069	18.248308	18.574800	7.725556e-03	0.0113472141	0.024550379
## 846	60	18.865241	18.577852	19.310759	3.145076e-02	0.0228949629	0.046840405
## 847	60	19.307243	19.194003	19.426993	5.427343e-03	0.0095108212	0.021179246
## 848	60	19.109047	18.846062	19.365793	1.516207e-02	0.0158965762	0.033196744
## 849	60	18.820068	18.618335	18.944040	1.338683e-02	0.0149369947	0.031349513
## 850	60	18.758884	18.590063	18.908406	1.057255e-02	0.0132743783	0.028177588
## 851	60	18.758256	18.611370	18.968541	8.584369e-03	0.0119613048	0.025701197
## 852	60	19.089656	18.987270	19.189443	2.971416e-03	0.0070373001	0.016882475
## 853	60	19.112578	19.069439	19.164979	8.132969e-04	0.0036817045	0.011976046
## 854	60	19.024587	18.869564	19.203220	1.413692e-02	0.0153497669	0.032143522
## 855	60	18.799881	18.732998	18.878584	2.291178e-03	0.0061795063	0.015500265
## 856	60	18.981378	18.880110	19.055095	2.608029e-03	0.0065929616	0.016159227
## 857	60	19.098261	18.973511	19.169735	2.662804e-03	0.0066618366	0.016271548
## 858	60	19.482494	19.178895	19.729546	2.017228e-02	0.0183358835	0.037922551
## 859	60	20.002633	19.734947	20.207365	2.932639e-02	0.0221082137	0.045298882
## 860	60	20.147464	20.086955	20.239921	1.948704e-03	0.0056989824	0.014777527
## 861	60	20.068854	19.978018	20.142646	1.752299e-03	0.0054041630	0.014333470
## 862	60	19.605272	19.450244	19.973418	3.030690e-02	0.0224747653	0.046017602
## 863	60	19.653103	19.528631	19.746574	2.744752e-03	0.0067635695	0.016443453
## 864	60	19.626569	19.505086	19.835047	1.237083e-02	0.0143589853	0.030248972
## 865	60	19.579805	19.532348	19.669767	1.618936e-03	0.0051944464	0.014017696
## 866	60	19.829576	19.551098	20.108508	3.712082e-02	0.0248732854	0.050738689
## 867	60	19.982463	19.871612	20.193486	1.130104e-02	0.0137240908	0.029040915
## 868	60	20.003090	19.930610	20.045259	1.163787e-03	0.0044041396	0.012915013
## 869	60	19.745536	19.617745	19.923718	9.467296e-03	0.0125613800	0.026836679
## 870	60	19.711166	19.609269	19.806862	6.284819e-03	0.0102345971	0.022503143
## 871	60	19.889375	19.779282	20.172677	1.380654e-02	0.0151693466	0.031803147
## 872	60	20.158888	20.018970	20.247614	2.870052e-03	0.0069162277	0.016697994
## 873	60	19.901689	19.805374	20.134679	6.866285e-03	0.0106975737	0.023358281
## 874	60	20.082244	19.962419	20.225688	9.756385e-03	0.0127517219	0.027198027
## 875	60	20.255968	20.005562	20.389841	1.569105e-02	0.0161715050	0.033732981
## 876	60	20.182030	20.090694	20.370947	6.902453e-03	0.0107257110	0.023412263
## 877	60	20.421474	20.178745	20.634526	1.246700e-02	0.0144146924	0.030360756
## 878	60	20.651832	20.516528	20.821175	7.567445e-03	0.0112304980	0.024351506
## 879	60	20.325654	20.067419	20.628162	3.883635e-02	0.0254415499	0.051861521
## 880	60	20.323941	20.088287	20.733656	3.880452e-02	0.0254311222	0.051841367
## 881	60	20.857883	20.605218	21.111028	2.797883e-02	0.0215943017	0.044294784
## 882	60	21.247917	20.574323	21.952395	2.187862e-01	0.0603857392	0.121453455
## 883	60	22.009468	21.780508	22.268810	2.941674e-02	0.0221422436	0.045375027
## 884	60	22.204948	21.836445	22.443426	3.514577e-02	0.0242025364	0.049426614
## 885	60	21.793198	21.465629	21.949515	1.839295e-02	0.0175085478	0.036328055
## 886	60	21.496579	21.324277	21.568425	3.155110e-03	0.0072515629	0.017265417
## 887	60	21.360756	21.220941	21.569560	1.426072e-02	0.0154168286	0.032287300
## 888	60	21.410498	21.258538	21.520463	6.485125e-03	0.0103964137	0.022815355
## 889	60	21.829504	21.350302	22.127973	5.906144e-02	0.0313744706	0.063606967
## 890	60	22.107232	21.924289	22.219584	8.269570e-03	0.0117399386	0.025312403
## 891	60	21.982911	21.804580	22.230554	1.869134e-02	0.0176499972	0.036603962
## 892	60	21.681185	21.514882	21.820208	1.355885e-02	0.0150326602	0.031551497

## 893	60	21.765752	21.593864	22.018187	1.963827e-02	0.0180915594	0.037460016
## 894	60	21.884590	21.778706	21.998991	4.376890e-03	0.0085409695	0.019463012
## 895	60	21.861356	21.644392	22.056185	1.440066e-02	0.0154922911	0.032435392
## 896	60	22.093046	21.905700	22.182014	5.323435e-03	0.0094193369	0.021039348
## 897	60	22.021610	21.884020	22.117514	5.344819e-03	0.0094382367	0.021072925
## 898	60	21.859237	21.497199	22.148245	5.280803e-02	0.0296670508	0.060222254
## 899	60	21.756764	21.646528	21.930831	6.645268e-03	0.0105239949	0.023053641
## 900	60	22.088241	21.659728	22.510421	7.155330e-02	0.0345333900	0.069880337
## 901	60	22.193093	22.084431	22.368791	9.989740e-03	0.0129033201	0.027500206
## 902	60	22.261571	22.190929	22.359505	3.494153e-03	0.0076312442	0.017907556
## 903	60	21.993997	21.808086	22.313823	2.547564e-02	0.0206056801	0.042364140
## 904	60	22.336549	21.946557	22.866817	6.948901e-02	0.0340316044	0.068884343
## 905	60	23.280512	22.894736	23.644332	4.651656e-02	0.0278437794	0.056618461
## 906	60	23.249906	22.801559	23.374579	1.913308e-02	0.0178573398	0.037012688
## 907	60	22.349743	22.119609	22.760239	2.912809e-02	0.0220333434	0.045163564
## 908	60	22.550049	22.275706	22.702072	1.387469e-02	0.0152067338	0.031891087
## 909	60	22.441978	22.196803	22.779164	3.030723e-02	0.0224748842	0.046030383
## 910	60	22.924718	22.746154	23.109217	1.231248e-02	0.0143250836	0.030206256
## 911	60	23.440514	22.833727	23.899350	1.242712e-01	0.0455102929	0.091745027
## 912	60	23.919290	23.530360	24.463896	1.356522e-01	0.0475486105	0.095813202
## 913	60	24.341175	24.088496	24.589328	2.524004e-02	0.0205101753	0.042188495
## 914	60	24.348719	24.077735	24.493457	1.221753e-02	0.0142697411	0.030110069
## 915	60	24.186576	23.479921	24.635413	1.507857e-01	0.0501307720	0.100967913
## 916	60	23.484732	23.280878	23.737515	1.456045e-02	0.0155780044	0.032610755
## 917	60	24.010733	23.699027	24.245017	4.075179e-02	0.0260613973	0.053099002
## 918	60	23.903007	23.590894	24.204936	4.109741e-02	0.0261716797	0.053316542
## 919	60	23.712145	23.379693	24.110152	7.538340e-02	0.0354455927	0.071698229
## 920	60	23.900829	23.504221	24.105939	2.089857e-02	0.0186630535	0.038582544
## 921	60	23.743098	23.376498	24.292449	8.629292e-02	0.0379238103	0.076628358
## 922	60	24.220494	23.749724	24.565218	6.389882e-02	0.0326340367	0.066114180
## 923	60	23.199741	22.907686	23.722170	5.318352e-02	0.0297723366	0.060436260
## 924	60	23.308313	23.143720	23.426329	6.643531e-03	0.0105226193	0.023064126
## 925	60	22.720799	22.410633	23.216805	6.377784e-02	0.0326031299	0.066048566
## 926	60	23.790775	22.752520	24.526641	3.185940e-01	0.0728690606	0.146428576
## 927	60	24.546065	24.226947	24.800938	2.319964e-02	0.0196636874	0.040536041
## 928	60	23.652444	23.323377	24.207816	4.691579e-02	0.0279630073	0.056856343
## 929	60	23.096308	22.953317	23.303882	9.229926e-03	0.0124029070	0.026563876
## 930	60	23.576790	23.287717	24.115621	5.599011e-02	0.0305478062	0.061974332
## 931	60	24.133884	23.986857	24.378182	1.547919e-02	0.0160619608	0.033546112
## 932	60	23.710957	23.471497	23.971100	2.370506e-02	0.0198767276	0.040947639
## 933	60	23.822338	23.710352	23.970099	5.263471e-03	0.0093661369	0.020960174
## 934	60	23.836001	23.660596	24.027465	1.430336e-02	0.0154398632	0.032347148
## 935	60	23.495805	23.273373	23.858684	3.437512e-02	0.0239357185	0.048907269
## 936	60	24.543798	23.892745	24.906484	9.668711e-02	0.0401428920	0.081048212
## 937	60	24.764229	24.382023	25.291232	6.251132e-02	0.0322777848	0.065409428
## 938	60	25.264166	25.133719	25.425772	6.366469e-03	0.0103008647	0.022674490
## 939	60	24.579165	24.111211	25.177458	1.244095e-01	0.0455356121	0.091798456
## 940	60	24.411644	24.105487	24.543302	1.298995e-02	0.0147139081	0.030958897
## 941	60	24.710283	24.472893	24.836812	7.975337e-03	0.0115291924	0.024940282
## 942	60	25.333355	24.809173	25.636965	5.013981e-02	0.0289078441	0.058731051
## 943	60	25.177596	24.955475	25.381657	1.977686e-02	0.0181552852	0.037602346
## 944	60	24.815750	24.569157	25.245963	3.316052e-02	0.0235090475	0.048073742
## 945	60	25.450446	25.281958	25.644338	9.766359e-03	0.0127582388	0.027250813
## 946	60	25.014430	24.720194	25.617630	5.658467e-02	0.0307095722	0.062300064

## 947	60	24.701614	24.444748	24.814640	1.001201e-02	0.0129176925	0.027545493
## 948	60	24.506030	24.240352	24.679909	2.033884e-02	0.0184114257	0.038096234
## 949	60	24.727334	24.382593	24.946594	2.999832e-02	0.0223600528	0.045814741
## 950	60	25.064083	24.791685	25.527219	2.575603e-02	0.0207187631	0.042601070
## 951	60	25.390978	25.168361	25.681769	2.006882e-02	0.0182888031	0.037863391
## 952	60	24.968694	24.707668	25.174773	1.660014e-02	0.0166333677	0.034653176
## 953	60	25.413883	25.030871	26.410479	1.446599e-01	0.0491019173	0.098917670
## 954	60	26.352965	25.855662	26.742185	5.871188e-02	0.0312814866	0.063437753
## 955	60	25.781699	25.588159	25.934629	9.560641e-03	0.0126231539	0.026998464
## 956	60	25.898279	25.655927	26.164603	1.481730e-02	0.0157148003	0.032889084
## 957	60	25.719230	25.484141	25.986969	2.170904e-02	0.0190214958	0.039290364
## 958	60	25.733563	25.502141	25.922549	2.314018e-02	0.0196384758	0.040492628
## 959	60	25.544576	25.368266	25.829346	1.733814e-02	0.0169990883	0.035363867
## 960	60	25.270496	25.056025	25.794206	4.578562e-02	0.0276241502	0.056192147
## 961	60	25.701391	25.496672	26.203844	5.149189e-02	0.0292950207	0.059499577
## 962	60	25.421648	24.987900	25.721377	4.249055e-02	0.0266115727	0.054191028
## 963	60	24.585446	24.353133	24.965316	2.732250e-02	0.0213395163	0.043813545
## 964	60	24.975700	24.545224	25.494297	1.322143e-01	0.0469422201	0.094605427
## 965	60	25.573797	25.233432	25.860700	2.750604e-02	0.0214110737	0.043957995
## 966	60	25.966948	25.662239	26.460001	5.315873e-02	0.0297653953	0.060432012
## 967	60	26.216590	25.389223	26.616713	1.827084e-01	0.0551827874	0.111062538
## 968	60	25.233857	25.035558	25.398400	1.265076e-02	0.0145205397	0.030594989
## 969	60	25.652379	24.999016	26.138854	1.526270e-01	0.0504359271	0.101580321
## 970	60	26.113126	25.723380	26.302376	3.326898e-02	0.0235474612	0.048153896
## 971	60	26.321907	26.161133	26.476749	7.608320e-03	0.0112607877	0.024454692
## 972	60	26.612140	26.228554	26.941553	4.468167e-02	0.0272890897	0.055534188
## 973	60	26.305708	25.977870	26.723903	4.728092e-02	0.0280716121	0.057080418
## 974	60	26.507950	25.948768	27.078986	1.735991e-01	0.0537895745	0.108280000
## 975	60	26.386691	25.952709	26.735927	5.080985e-02	0.0291003593	0.059116071
## 976	60	26.527079	26.252463	26.820977	2.748640e-02	0.0214034284	0.043947602
## 977	60	27.516134	26.838984	28.048579	1.973996e-01	0.0573584659	0.115412875
## 978	60	27.506217	26.849263	27.875968	8.121811e-02	0.0367917809	0.074386064
## 979	60	26.191486	25.932982	26.793753	3.449248e-02	0.0239765451	0.049000176
## 980	60	25.655822	25.258881	26.175743	6.783970e-02	0.0336253122	0.068087413
## 981	60	26.139711	25.802716	26.819820	9.161527e-02	0.0390758381	0.078928383
## 982	60	26.930826	26.710094	27.196826	2.021322e-02	0.0183544807	0.037999365
## 983	60	26.671854	26.462864	26.997696	2.505160e-02	0.0204334676	0.042050494
## 984	60	27.011283	26.780415	27.213557	1.857414e-02	0.0175945736	0.036524783
## 985	60	26.592062	26.103945	27.189369	1.363545e-01	0.0476715336	0.096064503
## 986	60	26.560944	26.268956	26.910325	2.710226e-02	0.0212533356	0.043654068
## 987	60	26.200766	26.017129	26.397574	8.430496e-03	0.0118536185	0.025558298
## 988	60	25.949722	25.755165	26.124303	9.506659e-03	0.0125874669	0.026932720
## 989	60	25.271495	25.037460	25.731046	3.930339e-02	0.0255940720	0.052182783
## 990	60	24.788445	24.576901	25.214493	3.433787e-02	0.0239227487	0.048887529
## 991	60	24.174583	23.672609	24.669403	1.215936e-01	0.0450173355	0.090763511
## 992	60	23.939152	23.676059	24.216774	4.646365e-02	0.0278279371	0.056589240
## 993	60	24.130812	24.039282	24.248485	4.172705e-03	0.0083393699	0.019131667
## 994	60	24.836066	24.150155	25.763675	2.556726e-01	0.0652779475	0.131243045
## 995	60	26.138538	25.787030	26.327516	3.259334e-02	0.0233071311	0.047681439
## 996	60	26.166002	25.971554	26.451078	1.865611e-02	0.0176333533	0.036595583
## 997	60	26.429876	25.505965	26.907088	2.258473e-01	0.0613524358	0.123394761
## 998	60	25.019304	24.625671	25.560788	8.853512e-02	0.0384133494	0.077606169
## 999	60	25.512875	25.310935	25.673709	1.311542e-02	0.0147847981	0.031102040
## 1000	60	25.323180	25.123309	25.570924	1.771498e-02	0.0171828296	0.035717843

## 1001	60	24.964950	24.815601	25.230374	1.978369e-02	0.0181584170	0.037607591
## 1002	60	24.904804	24.730310	25.031892	8.653160e-03	0.0120091352	0.025838337
## 1003	60	25.541111	24.741993	26.696679	5.013835e-01	0.0914133047	0.183556914
## 1004	60	26.547558	26.288253	26.859228	3.943175e-02	0.0256358305	0.052269697
## 1005	60	26.164762	25.954025	26.289392	7.754775e-03	0.0113686521	0.024653492
## 1006	60	25.692546	25.470926	25.936022	1.591417e-02	0.0162860741	0.033987621
## 1007	60	25.817032	25.509319	25.955572	1.060836e-02	0.0132968389	0.028270955
## 1008	60	25.699729	25.468847	25.900822	1.732778e-02	0.0169940066	0.035354461
## 1009	60	25.366636	25.037164	25.748379	6.204900e-02	0.0321582018	0.065173601
## 1010	60	25.018719	24.857121	25.097469	3.514141e-03	0.0076530400	0.017977447
## 1011	60	24.757379	24.699356	24.847948	1.965408e-03	0.0057233556	0.014882051
## 1012	60	24.884200	24.805467	24.970296	2.300087e-03	0.0061915095	0.015604025
## 1013	60	25.008375	24.840281	25.181950	1.109082e-02	0.0135958429	0.028832338
## 1014	60	25.251802	24.824266	25.858505	1.719170e-01	0.0535283399	0.107755757
## 1015	60	25.773209	25.453535	25.998852	2.500826e-02	0.0204157861	0.042010948
## 1016	60	26.973544	25.687691	27.669026	3.541382e-01	0.0768264520	0.154353161
## 1017	60	27.856609	27.675697	28.248656	2.011374e-02	0.0183092606	0.037917338
## 1018	60	27.622027	26.147776	28.618109	7.066118e-01	0.1085212566	0.217827300
## 1019	60	25.464848	25.008387	26.106436	1.123640e-01	0.0432750971	0.087292781
## 1020	60	24.973437	24.855495	25.158501	8.147937e-03	0.0116532808	0.025174235
## 1021	60	25.419848	25.083688	25.763184	7.660738e-02	0.0357321935	0.072272854
## 1022	60	25.750693	25.687691	25.850288	2.581337e-03	0.0065591377	0.016196422
## 1023	60	25.778734	25.628159	25.873271	5.122727e-03	0.0092400642	0.020751217
## 1024	60	25.997574	25.631218	26.236479	3.782326e-02	0.0251075215	0.051225421
## 1025	60	25.897128	25.705967	26.138224	1.951994e-02	0.0180369732	0.037376811
## 1026	60	26.061452	25.894489	26.509857	2.213720e-02	0.0192081560	0.039656734
## 1027	60	26.771202	26.556576	26.951578	1.311076e-02	0.0147821726	0.031105548
## 1028	60	26.365823	25.966848	26.743439	3.809109e-02	0.0251962592	0.051402428
## 1029	60	25.226204	24.799036	25.964082	1.475125e-01	0.0495836815	0.099878446
## 1030	60	25.398174	24.805172	26.045252	1.872282e-01	0.0558611599	0.112416941
## 1031	60	25.840329	25.573512	26.155896	4.016660e-02	0.0258736017	0.052735952
## 1032	60	26.356708	26.110908	26.607494	3.374640e-02	0.0237158188	0.048486375
## 1033	60	26.052776	25.879468	26.407908	2.057449e-02	0.0185177798	0.038312442
## 1034	60	26.003849	25.871171	26.364742	1.471897e-02	0.0156625716	0.032789944
## 1035	60	25.998808	25.682417	26.190647	2.529383e-02	0.0205320199	0.042239132
## 1036	60	25.594462	25.435929	25.697927	4.871825e-03	0.0090109425	0.020338126
## 1037	60	25.325015	25.245002	25.424811	3.508968e-03	0.0076474052	0.017972012
## 1038	60	25.725963	25.388637	26.076274	2.371969e-02	0.0198828627	0.040970329
## 1039	60	25.966627	25.803579	26.179625	1.851833e-02	0.0175681208	0.036467591
## 1040	60	26.375007	26.132068	26.615476	1.992767e-02	0.0182243744	0.037743381
## 1041	60	25.846464	25.404715	26.236009	8.226595e-02	0.0370283568	0.074852000
## 1042	60	25.165146	25.042537	25.378304	9.817853e-03	0.0127918286	0.027312156
## 1043	60	25.350496	25.203770	25.487690	9.979445e-03	0.0128966692	0.027510817
## 1044	60	25.501825	25.194575	25.657160	2.238559e-02	0.0193156207	0.039861673
## 1045	60	25.255993	25.205494	25.366619	1.031849e-03	0.0041469851	0.012667202
## 1046	60	25.588063	25.292466	25.719848	1.514442e-02	0.0158873207	0.033218156
## 1047	60	25.609081	25.502514	25.732203	3.569022e-03	0.0077125674	0.018085031
## 1048	60	25.309151	25.241080	25.479181	4.095564e-03	0.0082619252	0.019013162
## 1049	60	25.727769	25.370186	26.275428	6.806565e-02	0.0336812631	0.068198843
## 1050	60	26.447540	26.263779	26.774432	1.947209e-02	0.0180148485	0.037337425
## 1051	60	27.088103	26.799694	27.254246	1.735287e-02	0.0170063081	0.035386241
## 1052	60	27.217088	26.940947	27.430828	2.100532e-02	0.0187106570	0.038693121
## 1053	60	26.817152	26.708094	26.937887	4.562034e-03	0.0087197419	0.019830630
## 1054	60	26.602183	26.346089	26.793753	2.190771e-02	0.0191083371	0.039463785

## 1055	60	26.821387	26.654039	27.079575	2.571022e-02	0.0207003282	0.042572655
## 1056	60	26.911259	26.840730	27.066037	2.743385e-03	0.0067618849	0.016537608
## 1057	60	27.049900	26.894182	27.217422	6.719961e-03	0.0105829743	0.023208408
## 1058	60	26.682366	26.486009	26.991497	2.319529e-02	0.0196618458	0.040543746
## 1059	60	26.725876	26.226889	27.075651	6.391887e-02	0.0326391566	0.066132336
## 1060	60	25.802185	25.531513	26.202001	2.951748e-02	0.0221801250	0.045467392
## 1061	60	26.293266	25.587689	27.020685	1.992831e-01	0.0576314577	0.115956583
## 1062	60	26.717288	26.409438	27.097954	6.339423e-02	0.0325049292	0.065866009
## 1063	60	26.323120	26.205551	26.451291	6.053416e-03	0.0100444151	0.022214688
## 1064	60	26.489091	26.283194	26.666335	1.586087e-02	0.0162587764	0.033939476
## 1065	60	26.743090	26.584153	26.919409	1.399052e-02	0.0152700778	0.032039872
## 1066	60	27.281436	26.744735	27.462434	2.524501e-02	0.0205121947	0.042206701
## 1067	60	27.384475	27.277982	27.457903	3.041027e-03	0.0071192549	0.017122875
## 1068	60	26.858722	26.704683	27.348175	2.824295e-02	0.0216959881	0.044523355
## 1069	60	27.134436	26.890415	27.413623	2.521768e-02	0.0205010895	0.042184749
## 1070	60	27.340781	27.186034	27.452606	4.920271e-03	0.0090556341	0.020435490
## 1071	60	27.102201	26.889592	27.352137	2.527059e-02	0.0205225856	0.042226464
## 1072	60	27.140066	27.056504	27.273981	2.016814e-03	0.0057977212	0.015030585
## 1073	60	27.588537	27.116140	28.018912	9.268081e-02	0.0393024200	0.079382710
## 1074	60	27.465821	27.196196	27.938029	4.310501e-02	0.0268032975	0.054578278
## 1075	60	27.411213	27.146918	27.621978	1.668636e-02	0.0166765089	0.034751193
## 1076	60	27.363532	27.057779	27.676700	3.827384e-02	0.0252566295	0.051525269
## 1077	60	27.607629	27.050621	27.838530	5.149678e-02	0.0292964118	0.059508138
## 1078	60	27.247011	27.040675	27.523371	1.355377e-02	0.0150298420	0.031583386
## 1079	60	27.695270	27.435184	27.895038	1.470138e-02	0.0156532128	0.032781702
## 1080	60	27.593299	27.347763	28.110196	7.264143e-02	0.0347949779	0.070416945
## 1081	60	28.147924	27.790930	28.497647	5.982027e-02	0.0315753772	0.064026417
## 1082	60	28.370604	28.085785	28.509816	1.185888e-02	0.0140587354	0.029735840
## 1083	60	27.505713	27.076986	28.053978	9.531421e-02	0.0398568719	0.080486819
## 1084	60	27.647782	27.216836	28.432494	1.890323e-01	0.0561296569	0.112957959
## 1085	60	28.912207	28.445525	29.573035	8.515676e-02	0.0376733245	0.076144548
## 1086	60	28.868448	28.202444	29.630475	2.079033e-01	0.0588647234	0.118426302
## 1087	60	27.909130	27.268565	28.246575	9.898125e-02	0.0406163445	0.081999911
## 1088	60	27.787085	27.198001	28.307761	1.785197e-01	0.0545465779	0.109794689
## 1089	60	27.801777	27.649976	28.026936	5.304674e-03	0.0094027246	0.021065061
## 1090	60	27.257385	26.873351	27.634281	5.202920e-02	0.0294474677	0.059806501
## 1091	60	27.009397	26.878334	27.273824	1.626482e-02	0.0164645169	0.034339938
## 1092	60	26.862109	26.609905	27.195021	2.136535e-02	0.0188703231	0.039002517
## 1093	60	26.787357	26.602511	27.041007	2.238194e-02	0.0193140468	0.039865875
## 1094	60	27.010076	26.747069	27.225897	2.532197e-02	0.0205434381	0.042266600
## 1095	60	26.867592	26.703425	27.014840	1.273112e-02	0.0145665805	0.030693878
## 1096	60	27.006992	26.781062	27.465417	4.671869e-02	0.0279042076	0.056752117
## 1097	60	27.469303	27.339916	27.663808	1.008836e-02	0.0129668524	0.027659611
## 1098	60	27.958725	27.421196	28.231935	5.492933e-02	0.0302570449	0.061412161
## 1099	60	28.138003	27.989399	28.257309	5.837521e-03	0.0098636719	0.021902079
## 1100	60	28.585404	28.187940	28.880672	3.700308e-02	0.0248338060	0.050696997
## 1101	60	27.834225	27.558627	28.307370	5.687565e-02	0.0307884324	0.062465499
## 1102	60	28.238745	27.936596	28.767678	7.978318e-02	0.0364653213	0.073739354
## 1103	60	28.416633	28.151541	28.770408	5.264210e-02	0.0296204043	0.060152973
## 1104	60	28.544660	28.414283	28.698672	5.394080e-03	0.0094816316	0.021213924
## 1105	60	28.697117	28.388044	28.880672	3.315566e-02	0.0235073257	0.048086292
## 1106	60	28.540190	28.172654	28.867580	3.768303e-02	0.0250609341	0.051144468
## 1107	60	28.260734	27.945094	28.742460	7.784611e-02	0.0360199274	0.072853636
## 1108	60	28.930904	28.630963	29.198393	2.784003e-02	0.0215406711	0.044227840

## 1109	60	28.060076	27.282613	29.028565	2.912627e-01	0.0696733695	0.140040856
## 1110	60	27.562618	27.274256	28.057293	6.295478e-02	0.0323920714	0.065645139
## 1111	60	28.151902	28.074561	28.259487	2.494704e-03	0.0064481310	0.016053286
## 1112	60	28.023260	27.924707	28.127737	3.938279e-03	0.0081017274	0.018771097
## 1113	60	28.225922	27.867707	28.847815	6.726535e-02	0.0334826704	0.067812492
## 1114	60	28.758021	28.597679	29.032511	1.644751e-02	0.0165567258	0.034528559
## 1115	60	28.698057	28.535820	28.880299	8.820646e-03	0.0121248000	0.026085480
## 1116	60	28.523798	28.382529	28.740418	1.122438e-02	0.0136774623	0.029012793
## 1117	60	28.097164	27.767483	28.553265	6.603666e-02	0.0331754585	0.067201612
## 1118	60	28.709741	28.451629	28.997042	2.852834e-02	0.0218053267	0.044745470
## 1119	60	28.599379	28.362142	28.818081	1.080006e-02	0.0134164443	0.028518418
## 1120	60	29.236794	28.440519	29.997803	3.484901e-01	0.0762113357	0.153125255
## 1121	60	29.697592	29.463453	30.040430	2.046467e-02	0.0184682920	0.038236254
## 1122	60	29.717063	29.478099	30.043590	2.491224e-02	0.0203765567	0.041954623
## 1123	60	28.879325	28.254287	29.451656	1.386726e-01	0.0480750455	0.096874751
## 1124	60	28.425379	27.893431	28.724659	5.235328e-02	0.0295390372	0.059991686
## 1125	60	27.925871	27.730636	28.283094	1.436759e-02	0.0154744898	0.032440943
## 1126	60	28.366365	28.175599	28.574618	1.549325e-02	0.0160692512	0.033586207
## 1127	60	28.551844	28.177444	29.253590	8.954195e-02	0.0386311510	0.078049759
## 1128	60	30.009778	29.268920	30.332892	7.776029e-02	0.0360000667	0.072818820
## 1129	60	30.743620	30.363954	30.980266	2.744151e-02	0.0213859397	0.043933421
## 1130	60	30.038219	29.164455	30.913237	2.887391e-01	0.0693708706	0.139438558
## 1131	60	28.823286	28.651787	29.214154	2.011636e-02	0.0183104530	0.037925029
## 1132	60	28.187439	27.845554	28.632298	6.720817e-02	0.0334684346	0.067783548
## 1133	60	27.892079	27.551936	28.507342	7.443095e-02	0.0352209584	0.071264689
## 1134	60	27.999014	27.563022	28.558487	1.476818e-01	0.0496121335	0.099940757
## 1135	60	27.361006	27.100386	27.560921	2.386796e-02	0.0199449092	0.041099042
## 1136	60	27.782974	27.288144	28.165041	6.212532e-02	0.0321779727	0.065220669
## 1137	60	27.416196	26.787572	28.126620	1.949301e-01	0.0569985470	0.114693723
## 1138	60	27.301048	26.729533	27.685745	1.153987e-01	0.0438555865	0.088453901
## 1139	60	27.847871	27.435596	28.241552	5.398426e-02	0.0299956277	0.060894287
## 1140	60	27.571008	27.149625	27.841082	3.322836e-02	0.0235330826	0.048132358
## 1141	60	26.999325	26.888926	27.126772	6.060476e-03	0.0100502704	0.022231549
## 1142	60	26.980163	26.901635	27.129125	6.310448e-03	0.0102554440	0.022606572
## 1143	60	27.195364	27.118140	27.384429	2.913376e-03	0.0069682323	0.016875596
## 1144	60	27.840510	27.421196	28.104504	2.682251e-02	0.0211433639	0.043444539
## 1145	60	27.608891	27.436321	27.822696	2.125445e-02	0.0188212863	0.038910477
## 1146	60	27.813417	27.524449	28.023974	2.865812e-02	0.0218548703	0.044837987
## 1147	60	27.955884	27.516426	28.246321	5.698774e-02	0.0308187546	0.062525396
## 1148	60	27.269420	27.164358	27.494982	6.195091e-03	0.0101612752	0.022437631
## 1149	60	27.221326	27.076278	27.375110	9.212461e-03	0.0123911670	0.026573233
## 1150	60	27.337995	27.205242	27.733400	2.146489e-02	0.0189142324	0.039090877
## 1151	60	27.680789	27.374779	27.829172	1.467862e-02	0.0156410898	0.032757987
## 1152	60	27.102849	26.936943	27.357162	1.321697e-02	0.0148419256	0.031222565
## 1153	60	27.222578	26.985650	27.427277	1.226026e-02	0.0142946742	0.030177771
## 1154	60	27.187063	27.066431	27.393710	6.646816e-03	0.0105252206	0.023103777
## 1155	60	27.354565	27.266858	27.495591	4.519579e-03	0.0086790734	0.019763974
## 1156	60	27.893890	27.348802	28.271831	8.346778e-02	0.0372978506	0.075393869
## 1157	60	27.858100	27.585858	28.105602	2.550386e-02	0.0206170903	0.042414976
## 1158	60	27.780259	27.602398	27.961518	1.033940e-02	0.0131271966	0.027964749
## 1159	60	27.578018	27.297719	27.794265	2.061283e-02	0.0185350261	0.038353561
## 1160	60	27.858065	27.255755	28.236843	1.063051e-01	0.0420921821	0.084940256
## 1161	60	28.065057	27.785534	28.313962	3.124609e-02	0.0228203440	0.046733803
## 1162	60	28.325585	27.903713	28.534642	3.362570e-02	0.0236733664	0.048411276



## 1163	60	27.807540	27.599397	28.117868	3.039757e-02	0.0225083585	0.046120353
## 1164	60	28.139855	27.789752	28.571557	6.332398e-02	0.0324869164	0.065835012
## 1165	60	28.590122	28.428432	28.780435	1.848348e-02	0.0175515819	0.036450511
## 1166	60	28.347826	28.014162	28.541412	2.149615e-02	0.0189280016	0.039122032
## 1167	60	28.898406	28.511267	29.249898	1.926849e-02	0.0179204206	0.037168183
## 1168	60	29.107742	28.620188	29.435245	6.207643e-02	0.0321653105	0.065199698
## 1169	60	29.524356	28.641307	30.082053	2.737765e-01	0.0675495455	0.135793709
## 1170	60	29.343537	28.380196	30.037131	3.366508e-01	0.0749055797	0.150512019
## 1171	60	28.250163	27.957572	28.572910	3.276718e-02	0.0233692023	0.047813388
## 1172	60	28.527319	28.270674	28.951743	2.785687e-02	0.0215471849	0.044239417
## 1173	60	28.764044	28.492250	29.109886	4.984334e-02	0.0288222535	0.058574185
## 1174	60	28.484591	28.139020	28.996198	7.669654e-02	0.0357529819	0.072323664
## 1175	60	29.036775	28.477768	29.335012	5.344720e-02	0.0298460494	0.060601840
## 1176	60	29.650929	28.471626	30.167994	3.354395e-01	0.0747707070	0.150242287
## 1177	60	30.275309	30.097762	30.535165	1.318646e-02	0.0148247884	0.031211150
## 1178	60	30.515413	30.219968	30.833954	3.415605e-02	0.0238593259	0.048787103
## 1179	60	29.728431	29.110671	30.604014	2.203451e-01	0.0606004766	0.121897815
## 1180	60	29.850149	29.123095	30.480947	2.826920e-01	0.0686406069	0.137976946
## 1181	60	30.175201	29.645435	30.614204	1.362435e-01	0.0476521264	0.096033395
## 1182	60	30.070171	29.706531	30.390541	4.068288e-02	0.0260393535	0.053079965
## 1183	60	29.533311	29.110828	30.194834	7.964262e-02	0.0364331845	0.073679588
## 1184	60	29.907233	29.311084	30.321776	9.483951e-02	0.0397574968	0.080294966
## 1185	60	29.534820	29.321821	29.729499	1.566728e-02	0.0161592513	0.033766721
## 1186	60	29.651989	29.212996	30.011980	6.392584e-02	0.0326409348	0.066145316
## 1187	60	29.725384	29.253315	29.994290	4.421536e-02	0.0271463190	0.055263802
## 1188	60	30.218390	29.737332	30.864395	1.612794e-01	0.0518458371	0.104405398
## 1189	60	30.506691	30.303851	30.794756	1.590310e-02	0.0162804073	0.034006722
## 1190	60	30.305850	29.717858	30.491827	3.095358e-02	0.0227132796	0.046533509
## 1191	60	29.853541	29.447987	30.348383	6.962729e-02	0.0340654490	0.068974507
## 1192	60	29.230781	29.095440	29.426981	9.337452e-03	0.0124749430	0.026746593
## 1193	60	29.629161	29.269861	29.926751	4.154140e-02	0.0263126711	0.053617438
## 1194	60	29.285037	29.055318	29.745677	3.602531e-02	0.0245035061	0.050050117
## 1195	60	29.312612	29.035377	29.559037	3.159796e-02	0.0229484789	0.046991107
## 1196	60	28.811111	28.480261	29.242363	6.286252e-02	0.0323683270	0.065601869
## 1197	60	28.923366	28.646763	29.160194	2.900536e-02	0.0219868747	0.045102144
## 1198	60	28.797111	28.505009	29.091061	2.684014e-02	0.0211503117	0.043462945
## 1199	60	27.969751	27.823401	28.465933	2.612827e-02	0.0208679469	0.042907357
## 1200	60	28.347702	27.910364	28.799533	7.962824e-02	0.0364298958	0.073668998
## 1201	60	29.048329	28.592025	29.621582	1.426716e-01	0.0487633066	0.098248729
## 1202	60	29.553418	29.236885	29.793658	2.964587e-02	0.0222283105	0.045578600
## 1203	60	28.735072	28.420032	29.204694	5.004867e-02	0.0288815609	0.058691894
## 1204	60	29.413049	28.964619	29.738256	3.023815e-02	0.0224492589	0.046011829
## 1205	60	28.908117	28.591084	29.381477	4.160390e-02	0.0263324571	0.053654321
## 1206	60	29.251188	28.963577	29.494335	2.464569e-02	0.0202672515	0.041738319
## 1207	60	29.215909	29.004521	29.444276	1.116689e-02	0.0136423914	0.028951321
## 1208	60	29.022105	28.569319	29.241380	2.809153e-02	0.0216377478	0.044418232
## 1209	60	28.742335	28.429492	29.001438	4.571976e-02	0.0276042738	0.056164933
## 1210	60	28.813184	28.586237	29.016710	1.104342e-02	0.0135667633	0.028804771
## 1211	60	28.636072	28.204190	29.128533	1.040376e-01	0.0416408469	0.084043164
## 1212	60	29.451535	29.127767	29.818671	7.605813e-02	0.0356038682	0.072029681
## 1213	60	29.275269	28.677122	29.692885	9.700609e-02	0.0402090552	0.081192500
## 1214	60	28.210328	28.041241	28.636890	2.192897e-02	0.0191176061	0.039491664
## 1215	60	28.341376	28.041203	28.697985	3.820804e-02	0.0252349087	0.051486655
## 1216	60	29.028896	28.356529	29.406250	8.896821e-02	0.0385071872	0.077803446

## 1217	60	29.326662	29.157426	29.567166	1.191932e-02	0.0140945127	0.029811372
## 1218	60	29.689916	29.533438	29.918465	1.054926e-02	0.0132597488	0.028229926
## 1219	60	29.650529	29.409412	30.234988	6.438955e-02	0.0327591086	0.066380559
## 1220	60	30.108875	29.627650	30.708604	1.387479e-01	0.0480880915	0.096903570
## 1221	60	29.248667	28.925597	29.688449	4.000794e-02	0.0258224505	0.052649241
## 1222	60	29.956968	29.633324	30.160178	2.156455e-02	0.0189580905	0.039189346
## 1223	60	29.395094	29.263836	29.603424	8.862367e-03	0.0121534403	0.026144877
## 1224	60	29.796932	29.543174	30.153052	2.798846e-02	0.0215980160	0.044344761
## 1225	60	30.086017	29.725691	30.440613	6.810203e-02	0.0336902631	0.068229708
## 1226	60	30.064022	29.763325	30.271785	2.388003e-02	0.0199499515	0.041122844
## 1227	60	30.334952	30.029001	30.558453	2.235188e-02	0.0193010714	0.039859253
## 1228	60	29.877543	29.747522	30.137796	8.550903e-03	0.0119379670	0.025746085
## 1229	60	30.072505	29.697460	30.544277	6.638935e-02	0.0332639319	0.067383577
## 1230	60	30.121721	29.673254	30.629776	1.099588e-01	0.0428094271	0.086375652
## 1231	60	29.411748	29.248880	29.667874	1.509090e-02	0.0158592249	0.033188997
## 1232	60	29.395027	29.117265	29.596847	2.677705e-02	0.0211254392	0.043416737
## 1233	60	29.731040	29.194585	30.035363	4.977496e-02	0.0288024777	0.058538427
## 1234	60	29.239849	29.093359	29.387503	6.015793e-03	0.0100131518	0.022184663
## 1235	60	29.144110	28.977436	29.301055	7.451228e-03	0.0111439283	0.024261881
## 1236	60	29.166084	28.837589	29.733447	6.079621e-02	0.0318319041	0.064539301
## 1237	60	29.592515	29.409744	29.798115	1.263828e-02	0.0145133719	0.030611282
## 1238	60	29.437614	29.325179	29.593530	8.933925e-03	0.0122024073	0.026236531
## 1239	60	30.083911	29.476941	30.746761	1.917263e-01	0.0565282135	0.113758747
## 1240	60	30.418005	30.166149	30.691556	3.110282e-02	0.0227679669	0.046641789
## 1241	60	30.715384	30.279246	30.877436	2.518995e-02	0.0204898135	0.042180123
## 1242	60	29.822047	29.286804	30.383965	1.009339e-01	0.0410150186	0.082799592
## 1243	60	28.791224	28.534091	29.235452	2.362279e-02	0.0198422064	0.040907239
## 1244	60	28.911391	28.755747	29.155031	1.213596e-02	0.0142220241	0.030051292
## 1245	60	28.774154	28.650040	28.951035	6.073566e-03	0.0100611182	0.022268080
## 1246	60	29.081122	28.833704	29.540956	4.129472e-02	0.0262344307	0.053461487
## 1247	60	29.699532	29.400206	30.005796	3.784757e-02	0.0251155904	0.051256913
## 1248	60	29.350723	29.086842	29.541957	1.824196e-02	0.0174365334	0.036232124
## 1249	60	29.324574	29.132791	29.543509	1.675365e-02	0.0167101038	0.034827676
## 1250	60	29.401879	29.294636	29.526253	4.353723e-03	0.0085183362	0.019499843
## 1251	60	29.363539	29.194819	29.562845	1.228380e-02	0.0143083899	0.030218707
## 1252	60	29.679706	29.371348	29.957418	3.621067e-02	0.0245664653	0.050174989
## 1253	60	29.593317	28.971997	29.994133	1.125091e-01	0.0433030177	0.087357915
## 1254	60	29.217335	29.100699	29.310575	2.663144e-03	0.0066622624	0.016408151
## 1255	60	29.061396	28.760102	29.596041	5.708460e-02	0.0308449356	0.062581888
## 1256	60	29.385419	29.169263	29.676180	1.957419e-02	0.0180620172	0.037445312
## 1257	60	29.298313	28.885459	29.752391	9.219924e-02	0.0392001777	0.079183824
## 1258	60	28.743549	28.508875	28.929780	1.459858e-02	0.0155983886	0.032683012
## 1259	60	29.082272	28.739142	29.391900	2.848405e-02	0.0217883937	0.044714156
## 1260	60	29.725519	29.382517	29.875685	2.178267e-02	0.0190537260	0.039373944
## 1261	60	29.238394	28.927130	29.516810	2.642301e-02	0.0209853167	0.043142152
## 1262	60	29.187098	28.907776	29.814762	5.590992e-02	0.0305259234	0.061950407
## 1263	60	29.771224	29.268626	30.203414	9.475480e-02	0.0397397360	0.080259285
## 1264	60	28.879225	28.484971	29.257517	5.507787e-02	0.0302979291	0.061496719
## 1265	60	28.467042	28.242789	28.679165	2.424408e-02	0.0201014418	0.041410360
## 1266	60	28.529234	28.445839	28.624193	1.596045e-03	0.0051575914	0.014103711
## 1267	60	28.569377	28.194005	28.831898	4.324004e-02	0.0268452491	0.054664607
## 1268	60	28.607817	28.287688	28.823064	2.720706e-02	0.0212943884	0.043743694
## 1269	60	28.813826	28.377860	29.219691	7.150948e-02	0.0345228138	0.069879549
## 1270	60	28.876362	28.318163	29.333247	1.401199e-01	0.0483252673	0.097373853

## 1271	60	29.424836	29.137286	29.730894	2.881362e-02	0.0219140823	0.044962127
## 1272	60	29.257034	28.908757	29.675019	8.646947e-02	0.0379625856	0.076720389
## 1273	60	29.087158	28.924715	29.210071	1.143704e-02	0.0138064233	0.029261041
## 1274	60	28.940958	28.756884	29.339626	2.014958e-02	0.0183255663	0.037955083
## 1275	60	29.252167	29.116187	29.489366	1.394122e-02	0.0152431524	0.032005054
## 1276	60	29.879985	29.184044	30.212075	9.742754e-02	0.0402963070	0.081367634
## 1277	60	29.659863	29.439858	29.952567	1.930438e-02	0.0179371010	0.037204538
## 1278	60	29.458725	29.148966	29.839502	4.644308e-02	0.0278217783	0.056598051
## 1279	60	29.128388	28.677575	29.570856	6.389528e-02	0.0326331317	0.066128404
## 1280	60	29.129363	28.673747	29.457270	7.319571e-02	0.0349274746	0.070684301
## 1281	60	29.613329	29.428825	29.733189	5.295314e-03	0.0093944252	0.021066587
## 1282	60	29.322332	29.160372	29.493763	9.569147e-03	0.0126287683	0.027036328
## 1283	60	29.340320	29.145120	29.560823	1.329782e-02	0.0148872524	0.031324035
## 1284	60	28.883170	28.613183	29.304588	3.372572e-02	0.0237085498	0.048483847
## 1285	60	29.487683	29.104447	29.794307	3.279328e-02	0.0233785095	0.047837112
## 1286	60	28.824260	28.508461	29.139329	4.900051e-02	0.0285775292	0.058090070
## 1287	60	28.760989	28.467250	28.955609	1.786551e-02	0.0172556792	0.035878633
## 1288	60	28.690142	28.516743	28.922790	9.332105e-03	0.0124713707	0.026735954
## 1289	60	28.691457	28.497647	29.075949	2.050630e-02	0.0184870674	0.038267398
## 1290	60	29.728993	29.108139	30.354079	1.593470e-01	0.0515342892	0.103782218
## 1291	60	29.906255	29.519185	30.234931	6.237365e-02	0.0322422214	0.065354906
## 1292	60	29.779068	29.515830	30.047479	3.044726e-02	0.0225267465	0.046165324
## 1293	60	29.650276	29.392629	29.847628	2.080683e-02	0.0186220439	0.038534014
## 1294	60	29.882900	29.626747	30.354138	6.882421e-02	0.0338684235	0.068583228
## 1295	60	29.944539	29.704958	30.219222	2.485525e-02	0.0203532346	0.041909955
## 1296	60	29.546299	28.835706	30.100156	2.071183e-01	0.0587534790	0.118204798
## 1297	60	28.967258	28.680930	29.255767	2.864959e-02	0.0218516155	0.044837427
## 1298	60	29.065828	28.833154	29.308277	2.021528e-02	0.0183554170	0.038012892
## 1299	60	29.149357	28.890368	29.275632	5.868561e-03	0.0098898613	0.021959196
## 1300	60	29.364593	29.066643	29.508919	1.657827e-02	0.0166224087	0.034658203
## 1301	60	28.911054	28.790918	29.055928	5.955204e-03	0.0099625998	0.022089513
## 1302	60	29.195131	28.971565	29.303762	9.392400e-03	0.0125115943	0.026814509
## 1303	60	29.063934	28.788914	29.285625	3.113214e-02	0.0227786968	0.046656432
## 1304	60	28.875924	28.349561	29.204753	6.719575e-02	0.0334653435	0.067779212
## 1305	60	28.170190	28.082310	28.328858	3.022104e-03	0.0070970696	0.017097912
## 1306	60	28.278936	28.077542	28.379548	5.072043e-03	0.0091942404	0.020693246
## 1307	60	28.019920	27.870611	28.302542	1.295206e-02	0.0146924361	0.030943064
## 1308	60	28.898806	28.321694	29.323529	8.884711e-02	0.0384809724	0.077751043
## 1309	60	28.946917	28.836393	29.180411	6.281576e-03	0.0102319564	0.022582173
## 1310	60	28.716245	28.606569	28.984186	5.455373e-03	0.0095353488	0.021313705
## 1311	60	29.444125	29.007564	29.760401	4.790742e-02	0.0282569805	0.057458290
## 1312	60	29.032536	28.941202	29.233548	4.334052e-03	0.0084990709	0.019463085
## 1313	60	28.862076	28.733549	29.067665	9.219913e-03	0.0123961775	0.026595847
## 1314	60	28.941049	28.792565	29.236062	1.820141e-02	0.0174171413	0.036192793
## 1315	60	29.038650	28.687114	29.247171	3.379793e-02	0.0237339174	0.048533487
## 1316	60	28.778042	28.401015	29.043700	3.818785e-02	0.0252282425	0.051474943
## 1317	60	28.340542	28.198146	28.501513	5.114733e-03	0.0092328521	0.020763812
## 1318	60	28.922692	28.520275	29.119583	2.542770e-02	0.0205862817	0.042359808
## 1319	60	28.706941	28.610533	28.908404	4.965521e-03	0.0090971801	0.020524317
## 1320	60	28.837418	28.697612	28.918198	4.289192e-03	0.0084549711	0.019383699
## 1321	60	28.554897	28.388849	28.809191	1.588283e-02	0.0162700301	0.033974387
## 1322	60	28.327465	28.102423	28.614320	2.267037e-02	0.0194380926	0.040115924
## 1323	60	28.519389	28.384610	28.625350	3.569464e-03	0.0077130451	0.018121255
## 1324	60	28.814094	28.262216	29.377139	1.478992e-01	0.0496486351	0.100015373

## 1325	60	29.136791	28.859690	29.316325	1.924693e-02	0.0179103907	0.037149107
## 1326	60	28.868482	28.708133	29.094987	8.681408e-03	0.0120287214	0.025907359
## 1327	60	28.923755	28.468956	29.196684	5.588617e-02	0.0305194385	0.061935425
## 1328	60	28.669999	28.490053	28.975550	1.934816e-02	0.0179574290	0.037238415
## 1329	60	28.831779	28.319302	29.054554	4.971826e-02	0.0287860684	0.058502379
## 1330	60	28.054584	27.884620	28.318929	1.638017e-02	0.0165227966	0.034458744
## 1331	60	28.224097	28.153228	28.292886	1.147648e-03	0.0043734969	0.013013466
## 1332	60	28.175151	27.841179	28.356861	2.114100e-02	0.0187709893	0.038815516
## 1333	60	27.620978	27.450644	27.822794	9.258264e-03	0.0124219325	0.026634510
## 1334	60	27.813106	27.464121	28.288629	5.208107e-02	0.0294621434	0.059837881
## 1335	60	28.348473	28.055822	28.593458	2.495108e-02	0.0203924338	0.041978312
## 1336	60	28.018777	27.974644	28.072460	8.245539e-04	0.0037070965	0.012167818
## 1337	60	28.125622	27.981787	28.258801	6.753889e-03	0.0106096570	0.023266669
## 1338	60	28.095963	27.999918	28.203208	2.923963e-03	0.0069808828	0.016906928
## 1339	60	27.808985	27.606184	28.035452	1.851066e-02	0.0175644817	0.036471200
## 1340	60	28.033614	27.605813	28.321792	6.055344e-02	0.0317682860	0.064408446
## 1341	60	28.236361	28.040516	28.481732	1.965623e-02	0.0180998297	0.037511963
## 1342	60	28.209955	28.034765	28.376191	1.126852e-02	0.0137043292	0.029061176
## 1343	60	27.956509	27.589430	28.168928	3.459166e-02	0.0240109894	0.049073882
## 1344	60	27.505561	27.408346	27.741347	7.184516e-03	0.0109426658	0.023876181
## 1345	60	28.030238	27.742388	28.282703	4.180450e-02	0.0263958648	0.053775132
## 1346	60	28.074588	27.966265	28.265905	9.857477e-03	0.0128176161	0.027382603
## 1347	60	27.903580	27.696438	28.072107	1.231472e-02	0.0143263879	0.030242693
## 1348	60	27.773579	27.690296	27.890918	3.440672e-03	0.0075726174	0.017877460
## 1349	60	27.763254	27.708406	27.842612	1.533516e-03	0.0050555517	0.013945054
## 1350	60	27.649015	27.474873	27.827837	1.449522e-02	0.0155430696	0.032569686
## 1351	60	27.607469	27.355100	27.766483	1.618530e-02	0.0164242212	0.034265220
## 1352	60	27.228363	27.065410	27.345153	8.548370e-03	0.0119361983	0.025720277
## 1353	60	27.198570	27.063489	27.289203	4.696383e-03	0.0088472058	0.020061239
## 1354	60	27.088633	27.055974	27.210420	1.178785e-03	0.0044324286	0.013073333
## 1355	60	27.072946	26.986298	27.264053	4.428543e-03	0.0085912198	0.019605651
## 1356	60	27.175563	26.920507	27.297542	1.208544e-02	0.0141923895	0.029981905
## 1357	60	27.064163	26.874372	27.309234	2.240924e-02	0.0193258189	0.039890230
## 1358	60	26.992070	26.937846	27.092444	1.904320e-03	0.0056337075	0.014780321
## 1359	60	26.793113	26.711763	26.953833	6.728780e-03	0.0105899164	0.023218859
## 1360	60	26.801134	26.720825	26.870937	2.701904e-03	0.0067105691	0.016452499
## 1361	60	26.633407	26.522783	26.739303	3.390995e-03	0.0075177507	0.017771712
## 1362	60	26.506559	26.495695	26.520369	3.998402e-05	0.0008163334	0.009792666
## 1363	60	26.508878	26.493873	26.549674	2.286896e-04	0.0019523044	0.010406207
## 1364	60	26.745147	26.550830	26.919566	1.125507e-02	0.0136961496	0.029035213
## 1365	60	26.948624	26.908461	26.988103	5.625866e-04	0.0030620980	0.011418768
## 1366	60	27.017823	26.900203	27.118984	6.041267e-03	0.0100343302	0.022202395
## 1367	60	27.039273	26.999362	27.088147	4.955281e-04	0.0028738130	0.011226453
## 1368	60	27.008652	26.958816	27.056465	7.901966e-04	0.0036290417	0.012056149
## 1369	60	26.987145	26.911600	27.115708	4.747691e-03	0.0088954020	0.020145527
## 1370	60	26.835427	26.666826	27.031376	1.039440e-02	0.0131620674	0.028023790
## 1371	60	26.610154	26.571502	26.677966	1.340373e-03	0.0047264741	0.013463918
## 1372	60	26.517496	26.499109	26.564990	2.212071e-04	0.0019201001	0.010382921
## 1373	60	26.506881	26.459962	26.539414	5.057307e-04	0.0029032473	0.011245430
## 1374	60	26.416642	26.358035	26.455019	6.009718e-04	0.0031648374	0.011518273
## 1375	60	26.313988	26.283960	26.354976	3.841794e-04	0.0025304131	0.010881356
## 1376	60	26.277665	26.210355	26.358624	2.799744e-03	0.0068309883	0.016639617
## 1377	60	26.380242	26.352464	26.409340	3.387719e-04	0.0023761731	0.010744719
## 1378	60	26.287284	26.228811	26.350482	2.117847e-03	0.0059411662	0.015236073

## 1379	60	26.259416	26.240302	26.269269	6.683347e-05	0.0010554104	0.009876578
## 1380	60	26.197119	26.169093	26.243461	2.829513e-04	0.0021716019	0.010569467
## 1381	60	25.776632	25.304053	26.164209	8.194453e-02	0.0369559497	0.074707758
## 1382	60	25.307615	25.247019	25.357835	1.534992e-03	0.0050579833	0.013909078
## 1383	60	25.089805	24.837714	25.335151	2.598558e-02	0.0208108869	0.042780363
## 1384	60	24.597371	24.478931	24.828148	1.057775e-02	0.0132776469	0.028226390
## 1385	60	24.679085	24.567137	24.757517	2.594787e-03	0.0065762035	0.016208816
## 1386	60	24.468403	24.302368	24.601776	1.053505e-02	0.0132508165	0.028173927
## 1387	60	24.537272	24.241978	24.647312	9.854570e-03	0.0128157261	0.027351754
## 1388	60	23.945805	23.731928	24.220537	1.094852e-02	0.0135083403	0.028659376
## 1389	60	23.720803	23.636082	23.836362	4.101269e-03	0.0082676766	0.019004046
## 1390	60	23.780451	23.675196	23.878851	2.516425e-03	0.0064761425	0.016037452
## 1391	60	23.548840	23.300119	23.845966	2.973917e-02	0.0222632618	0.045619736
## 1392	60	23.348348	23.163803	23.438380	9.237531e-03	0.0124080155	0.026574514
## 1393	60	23.032707	22.812862	23.377597	3.483243e-02	0.0240944069	0.049217623
## 1394	60	22.452217	22.120921	22.831218	5.048102e-02	0.0290060401	0.058915481
## 1395	60	21.947953	21.757065	22.114418	1.717733e-02	0.0169200715	0.035189265
## 1396	60	21.703922	21.423956	21.836112	1.715474e-02	0.0169089431	0.035166115
## 1397	60	21.249095	21.135172	21.417454	1.008061e-02	0.0129618717	0.027603879
## 1398	60	21.237312	21.138383	21.324570	3.938978e-03	0.0081024458	0.018692621
## 1399	60	20.959584	20.789632	21.143983	1.178680e-02	0.0140159428	0.029603212
## 1400	60	20.575963	20.417190	20.783132	1.562442e-02	0.0161371318	0.033669061
## 1401	60	20.394893	20.217193	20.506485	9.472143e-03	0.0125645950	0.026847104
## 1402	60	20.187508	20.124716	20.233168	1.569311e-03	0.0051142140	0.013909802
## 1403	60	20.067377	20.000648	20.125596	1.607705e-03	0.0051763966	0.013998395
## 1404	60	20.286579	20.115300	20.351194	3.205581e-03	0.0073093326	0.017345885
## 1405	60	20.099609	19.987063	20.256169	7.543809e-03	0.0112129454	0.024314236
## 1406	60	20.029815	19.930766	20.190687	7.213742e-03	0.0109649003	0.023853312
## 1407	60	20.180862	20.052561	20.276509	3.980305e-03	0.0081448397	0.018752940
## 1408	60	19.924039	19.852429	20.074701	2.575336e-03	0.0065515085	0.016106330
## 1409	60	19.789179	19.660842	19.908450	3.307242e-03	0.0074243317	0.017531642
## 1410	60	19.417387	19.198015	19.644793	1.512619e-02	0.0158777565	0.033162187
## 1411	60	19.304276	19.157974	19.434568	1.052313e-02	0.0132433219	0.028122446
## 1412	60	19.218745	19.020027	19.412060	1.570789e-02	0.0161801806	0.033743835
## 1413	60	18.895690	18.806964	19.017739	2.984433e-03	0.0070526979	0.016905571
## 1414	60	18.851793	18.766576	19.009108	7.407651e-03	0.0111112936	0.024115106
## 1415	60	18.923025	18.803950	19.025057	4.686541e-03	0.0088379309	0.019962930
## 1416	60	18.673210	18.590101	18.797846	4.349940e-03	0.0085146349	0.019384086
## 1417	60	18.546132	18.494362	18.623872	1.893964e-03	0.0056183685	0.014631822
## 1418	60	18.557758	18.511542	18.588378	6.052337e-04	0.0031760396	0.011381074
## 1419	60	18.445330	18.369493	18.510816	1.297250e-03	0.0046498210	0.013224783
## 1420	60	18.485176	18.359653	18.590119	6.214005e-03	0.0101767753	0.022386367
## 1421	60	18.349163	18.289510	18.408214	1.893711e-03	0.0056179937	0.014628103
## 1422	60	18.253858	18.140940	18.322225	2.613640e-03	0.0066000508	0.016160912
## 1423	60	18.060725	18.009804	18.134072	1.636175e-03	0.0052220279	0.014034556
## 1424	60	17.982727	17.951898	18.023441	7.771432e-04	0.0035989424	0.011856028
## 1425	60	17.912503	17.840997	17.958608	8.925858e-04	0.0038569975	0.012170097
## 1426	60	17.828890	17.795301	17.874977	4.884662e-04	0.0028532618	0.011025589
## 1427	60	17.814373	17.776189	17.869187	7.687768e-04	0.0035795177	0.011830077
## 1428	60	17.809805	17.687732	17.942626	8.691314e-03	0.0120355821	0.025832603
## 1429	60	17.771109	17.716897	17.801150	4.159381e-04	0.0026329263	0.010806201
## 1430	60	17.660491	17.566708	17.772002	2.443741e-03	0.0063819283	0.015804874
## 1431	60	17.543504	17.508378	17.605768	1.199727e-03	0.0044716264	0.012965746
## 1432	60	17.517687	17.424894	17.625077	4.236147e-03	0.0084025262	0.019173324

## 1433	60	17.399309	17.275970	17.632899	1.346519e-02	0.0149806463	0.031424836
## 1434	60	17.450235	17.281192	17.541631	5.037518e-03	0.0091628943	0.020532455
## 1435	60	17.181849	17.073091	17.272040	2.523807e-03	0.0064856346	0.015963515
## 1436	60	17.098035	17.034662	17.262864	5.681851e-03	0.0097312646	0.021560103
## 1437	60	17.262530	17.223162	17.308674	9.102567e-04	0.0038949897	0.012206293
## 1438	60	17.104734	16.874958	17.289329	1.892671e-02	0.0177607745	0.036791584
## 1439	60	17.066412	16.834730	17.256373	2.497486e-02	0.0204021478	0.041941441
## 1440	60	17.214180	16.943935	17.351703	1.493903e-02	0.0157792197	0.032958369
## 1441	60	16.956202	16.876466	17.191087	6.896325e-03	0.0107209493	0.023376562
## 1442	60	16.956202	16.876466	17.191087	6.896325e-03	0.0107209493	0.023376562
## 1443	60	17.079655	16.900402	17.258288	1.926753e-02	0.0179199764	0.037100669
## 1444	60	16.918362	16.892384	16.949136	2.751491e-04	0.0021414523	0.010352532
## 1445	60	16.945750	16.832072	16.994452	1.747792e-03	0.0053972090	0.014276058
## 1446	60	16.679479	16.532384	16.824815	5.676780e-03	0.0097269213	0.021548227
## 1447	60	16.332791	16.233115	16.520163	7.517499e-03	0.0111933755	0.024247346
## 1448	60	16.190019	16.132323	16.256365	2.167897e-03	0.0060109576	0.015200437
## 1449	60	16.172748	16.123935	16.188712	3.949916e-04	0.0025657733	0.010710485
## 1450	60	16.194780	16.156528	16.268467	8.697859e-04	0.0038074180	0.012078775
## 1451	60	16.141276	16.027624	16.227387	5.374326e-03	0.0094642541	0.021065219
## 1452	60	16.211781	16.046567	16.279046	6.141290e-03	0.0101170566	0.022256552
## 1453	60	16.347606	16.224942	16.437957	4.069714e-03	0.0082358096	0.018866243
## 1454	60	16.291675	16.199114	16.389873	3.324460e-03	0.0074436326	0.017520998
## 1455	60	16.309296	16.243402	16.383382	2.245018e-03	0.0061169411	0.015367713
## 1456	60	16.122312	16.035640	16.246452	4.560208e-03	0.0087179965	0.019721316
## 1457	60	16.314197	16.151954	16.481484	1.180836e-02	0.0140287565	0.029595987
## 1458	60	16.129575	15.991491	16.212587	4.577228e-03	0.0087342504	0.019750041
## 1459	60	16.136028	15.945215	16.372804	2.630564e-02	0.0209386556	0.042987652
## 1460	60	16.138678	16.023790	16.359449	1.142315e-02	0.0137980387	0.029155292
## 1461	60	16.183564	16.057146	16.252318	2.716216e-03	0.0067283183	0.016340859
## 1462	60	16.162851	16.089328	16.233858	2.277989e-03	0.0061616946	0.015435876
## 1463	60	16.046194	15.843551	16.233097	1.358120e-02	0.0150450426	0.031539524
## 1464	60	16.011784	15.846464	16.089211	5.492971e-03	0.0095681510	0.021252612
## 1465	60	15.860709	15.790999	16.007543	2.609772e-03	0.0065951655	0.016122558
## 1466	60	16.013176	15.836786	16.217474	1.834646e-02	0.0174864043	0.036253075
## 1467	60	15.730454	15.651667	15.857901	3.337057e-03	0.0074577222	0.017538145
## 1468	60	15.719689	15.602424	15.892739	1.058355e-02	0.0132812837	0.028169355
## 1469	60	15.740325	15.585026	15.876103	6.941324e-03	0.0107558698	0.023430144
## 1470	60	15.645175	15.558672	15.735888	3.018804e-03	0.0070931933	0.016930922
## 1471	60	15.513845	15.472309	15.551811	3.643321e-04	0.0024641839	0.010603476
## 1472	60	15.651087	15.522957	15.819876	8.312370e-03	0.0117702807	0.025318782
## 1473	60	15.634086	15.396734	15.820775	1.881922e-02	0.0177102688	0.036685476
## 1474	60	15.548946	15.383247	15.681206	9.507931e-03	0.0125883087	0.026856012
## 1475	60	15.437488	15.344856	15.626899	5.738349e-03	0.0097795274	0.021633354
## 1476	60	15.551674	15.494808	15.662224	3.708926e-03	0.0078622791	0.018218122
## 1477	60	15.748165	15.546591	16.080920	2.528423e-02	0.0205281222	0.042182340
## 1478	60	16.498264	16.100005	16.762451	4.138186e-02	0.0262620951	0.053466440
## 1479	60	16.887444	16.762705	16.949021	3.918329e-03	0.0080811809	0.018605994
## 1480	60	16.620639	16.357417	16.898738	3.680170e-02	0.0247661411	0.050514523
## 1481	60	16.205346	16.046980	16.357417	9.647970e-03	0.0126806745	0.027035380
## 1482	60	16.164506	16.115273	16.283231	2.112647e-03	0.0059338669	0.015081115
## 1483	60	15.912784	15.681206	16.129020	1.686567e-02	0.0167658742	0.034856295
## 1484	60	16.038311	15.604730	16.728483	2.026741e-01	0.0581197253	0.116914192
## 1485	60	16.585593	16.452348	16.745144	8.781029e-03	0.0120975401	0.025939770
## 1486	60	16.259531	16.104871	16.444703	9.413715e-03	0.0125257831	0.026743662

## 1487	60	16.034168	15.919230	16.254350	9.594771e-03	0.0126456655	0.026968508
## 1488	60	16.464048	16.263502	16.599183	8.679837e-03	0.0120276324	0.025807369
## 1489	60	16.444483	16.254743	16.603250	1.689567e-02	0.0167807755	0.034887855
## 1490	60	16.291678	16.220250	16.368229	1.259839e-03	0.0045822827	0.013096879
## 1491	60	16.343139	16.220895	16.468500	6.710587e-03	0.0105755905	0.023101900
## 1492	60	16.266673	16.157761	16.354482	4.163158e-03	0.0083298235	0.019031708
## 1493	60	15.971232	15.783629	16.257400	3.931183e-02	0.0255968202	0.052150813
## 1494	60	15.862413	15.702907	15.981325	9.527993e-03	0.0126015823	0.026883274
## 1495	60	15.775729	15.664259	15.935380	5.821558e-03	0.0098501762	0.021765078
## 1496	60	15.749877	15.554352	15.963768	2.582325e-02	0.0207457812	0.042607937
## 1497	60	15.860546	15.598378	15.943416	9.917530e-03	0.0128566003	0.027364923
## 1498	60	15.662574	15.487869	15.901538	1.748151e-02	0.0170692277	0.035442404
## 1499	60	15.371950	15.092936	15.573705	1.576579e-02	0.0162099720	0.033778484
## 1500	60	15.166751	15.065239	15.332012	8.131067e-03	0.0116412107	0.025073388
## 1501	60	14.930304	14.816627	15.166605	9.530813e-03	0.0126034476	0.026880815
## 1502	60	14.716826	14.665022	14.805955	1.422089e-03	0.0048684175	0.013472658
## 1503	60	14.773933	14.699010	14.892068	5.585389e-03	0.0096483068	0.021387565
## 1504	60	14.882882	14.807986	14.920624	1.431338e-03	0.0048842234	0.013496947
## 1505	60	15.006116	14.820047	15.107869	8.521021e-03	0.0119170894	0.025588477
## 1506	60	15.164029	14.924787	15.378204	2.024617e-02	0.0183694374	0.037964699
## 1507	60	14.860161	14.771049	14.965459	4.462777e-03	0.0086243619	0.019541581
## 1508	60	14.863561	14.720174	14.928128	3.945546e-03	0.0081091981	0.018630981
## 1509	60	14.746817	14.626250	14.953713	8.560531e-03	0.0119446857	0.025639077
## 1510	60	15.021342	14.933426	15.102102	2.854009e-03	0.0068968704	0.016600523
## 1511	60	15.029249	14.969837	15.068915	5.709897e-04	0.0030848817	0.011215504
## 1512	60	14.863953	14.792175	14.961452	2.274383e-03	0.0061568162	0.015410779
## 1513	60	14.829814	14.744664	14.874223	1.281545e-03	0.0046215895	0.013127109
## 1514	60	15.047886	14.740091	15.238675	3.081136e-02	0.0226610375	0.046362862
## 1515	60	15.414715	15.166077	15.652684	3.437189e-02	0.0239345960	0.048870706
## 1516	60	15.227870	15.098331	15.442536	6.235994e-03	0.0101947650	0.022391866
## 1517	60	15.305745	15.102161	15.670378	4.069434e-02	0.0260430214	0.053029582
## 1518	60	15.611705	15.492287	15.784372	1.071953e-02	0.0133663323	0.028330087
## 1519	60	15.907583	15.704470	16.236265	2.783330e-02	0.0215380681	0.044162081
## 1520	60	15.212032	14.995560	15.676223	3.898724e-02	0.0254909253	0.051939541
## 1521	60	15.183915	14.994915	15.342939	1.055582e-02	0.0132638760	0.028132447
## 1522	60	15.205259	14.954476	15.386178	2.301081e-02	0.0195835020	0.040331957
## 1523	60	15.376312	15.175049	15.688051	3.083126e-02	0.0226683561	0.046379196
## 1524	60	15.333474	15.119969	15.688812	2.331592e-02	0.0197129063	0.040586231
## 1525	60	15.292207	15.036177	15.511229	1.901635e-02	0.0178027867	0.036863501
## 1526	60	15.322144	14.950761	15.687423	6.832814e-02	0.0337461450	0.068295703
## 1527	60	15.360259	15.251890	15.626372	1.030751e-02	0.0131069392	0.027836743
## 1528	60	15.368621	14.962705	15.636908	5.027122e-02	0.0289457029	0.058770968
## 1529	60	15.152527	14.917261	15.362076	2.103960e-02	0.0187259189	0.038658840
## 1530	60	15.158100	15.032715	15.293465	6.196744e-03	0.0101626311	0.022331566
## 1531	60	15.203081	15.083182	15.308927	2.496655e-03	0.0064506529	0.015881456
## 1532	60	15.018305	14.893984	15.159647	5.942775e-03	0.0099521980	0.021944698
## 1533	60	15.138979	14.957056	15.285099	5.517517e-03	0.0095895053	0.021284115
## 1534	60	14.769572	14.691369	14.932624	2.821377e-03	0.0068573285	0.016533757
## 1535	60	14.656179	14.564650	14.730943	2.607112e-03	0.0065918027	0.016100418
## 1536	60	14.498874	14.350446	14.666157	1.227719e-02	0.0143045416	0.030110677
## 1537	60	14.655401	14.372295	14.804646	1.697404e-02	0.0168196501	0.034952812
## 1538	60	14.878438	14.593572	15.080134	1.548796e-02	0.0160665089	0.033498635
## 1539	60	15.298489	15.085762	15.409440	9.426123e-03	0.0125340357	0.026751585
## 1540	60	14.986389	14.841309	15.335063	1.954904e-02	0.0180504105	0.037343833

## 1541	60	15.717637	15.357190	15.923141	2.167825e-02	0.0190080010	0.039211561
## 1542	60	15.410342	15.009202	15.711099	6.489318e-02	0.0328869742	0.066588952
## 1543	60	14.909678	14.761668	14.990516	2.336909e-03	0.0062408715	0.015543690
## 1544	60	15.249643	14.652399	15.682203	1.457179e-01	0.0492811576	0.099253103
## 1545	60	14.978603	14.791609	15.243345	1.965401e-02	0.0180988091	0.037437458
## 1546	60	14.957587	14.634204	15.269402	5.455657e-02	0.0301542062	0.061164570
## 1547	60	14.768301	14.613624	14.912140	1.279734e-02	0.0146044197	0.030686167
## 1548	60	14.618837	14.374951	14.862828	1.502133e-02	0.0158226261	0.033026953
## 1549	60	14.811803	14.368015	15.150285	6.074637e-02	0.0318188542	0.064466468
## 1550	60	14.902828	14.494921	15.677337	8.771687e-02	0.0382354262	0.077225623
## 1551	60	16.203770	15.727325	16.285010	1.594011e-02	0.0162993386	0.033955254
## 1552	60	15.630938	15.171299	16.203942	8.240302e-02	0.0370591903	0.074885640
## 1553	60	14.948697	14.828372	15.150695	6.813162e-03	0.0106561112	0.023239539
## 1554	60	14.817458	14.597266	14.991377	1.985225e-02	0.0181898565	0.037613211
## 1555	60	14.905959	14.639655	15.094949	1.837797e-02	0.0175014119	0.036276011
## 1556	60	14.723712	14.592517	14.931784	1.237324e-02	0.0143603845	0.030219209
## 1557	60	15.046775	14.800286	15.241470	1.506714e-02	0.0158467329	0.033075702
## 1558	60	15.029692	14.804861	15.261779	1.620075e-02	0.0164320570	0.034205682
## 1559	60	15.364820	15.218914	15.562621	9.876957e-03	0.0128302747	0.027312370
## 1560	60	15.333393	15.029687	15.630438	4.053861e-02	0.0259931422	0.052930919
## 1561	60	16.318929	15.626372	16.779386	1.732134e-01	0.0537297800	0.108140767
## 1562	60	16.706926	16.519146	16.793487	4.581595e-03	0.0087384161	0.019763152
## 1563	60	16.817121	16.668918	16.963512	6.372855e-03	0.0103060298	0.022609521
## 1564	60	16.996428	16.968108	17.029576	3.188804e-04	0.0023053576	0.010491810
## 1565	60	17.163421	17.038748	17.235249	2.676505e-03	0.0066789532	0.016273775
## 1566	60	17.444767	17.212346	17.563244	1.024467e-02	0.0130669220	0.027774739
## 1567	60	17.482286	17.393345	17.684580	7.165341e-03	0.0109280536	0.023764141
## 1568	60	17.756431	17.676522	17.810088	1.639181e-03	0.0052268241	0.014036658
## 1569	60	17.697554	17.581083	17.803085	4.995764e-03	0.0091248413	0.020466357
## 1570	60	17.468102	17.417500	17.568877	1.319343e-03	0.0046892486	0.013264320
## 1571	60	17.465289	17.380496	17.510939	1.241023e-03	0.0045479353	0.013068258
## 1572	60	17.181071	17.074247	17.372084	1.035190e-02	0.0131351288	0.027902611
## 1573	60	17.069950	17.006146	17.139647	1.649769e-03	0.0052436769	0.014051222
## 1574	60	17.292861	17.142971	17.402636	6.243718e-03	0.0102010769	0.022420539
## 1575	60	16.755000	16.497616	17.138260	3.428533e-02	0.0239044366	0.048817445
## 1576	60	16.472766	16.382992	16.619031	4.151379e-03	0.0083180313	0.019013492
## 1577	60	16.768369	16.613049	16.940375	1.145031e-02	0.0138144310	0.029190484
## 1578	60	16.562386	16.454245	16.744519	4.395230e-03	0.0085588456	0.019442302
## 1579	60	16.283911	16.202320	16.443942	4.468164e-03	0.0086295654	0.019565363
## 1580	60	16.257554	16.190980	16.323686	1.659824e-03	0.0052596321	0.014062364
## 1581	60	16.366790	16.273062	16.522060	7.553172e-03	0.0112199023	0.024296723
## 1582	60	16.458972	16.121511	16.589640	2.100244e-02	0.0187093721	0.038632972
## 1583	60	15.999176	15.892564	16.129489	4.555571e-03	0.0087135633	0.019712252
## 1584	60	15.794724	15.698743	16.024318	6.518734e-03	0.0104233183	0.022817301
## 1585	60	15.704612	15.568115	15.840207	8.814711e-03	0.0121207199	0.025976441
## 1586	60	16.052480	15.850511	16.308688	1.838343e-02	0.0175040141	0.036287751
## 1587	60	16.288686	16.212858	16.339369	1.047702e-03	0.0041787192	0.012553840
## 1588	60	16.230820	16.143156	16.339094	3.800290e-03	0.0079585278	0.018389679
## 1589	60	16.440266	16.350533	16.531348	2.025292e-03	0.0058098942	0.014893435
## 1590	60	16.410406	16.277383	16.529198	7.933697e-03	0.0114990558	0.024817159
## 1591	60	16.451785	16.343162	16.559488	6.288685e-03	0.0102377445	0.022480518
## 1592	60	16.541571	16.506671	16.562910	2.584782e-04	0.0020755648	0.010291611
## 1593	60	16.456984	16.105107	16.556807	1.495398e-02	0.0157871144	0.032968748
## 1594	60	16.221680	16.043382	16.330824	1.012356e-02	0.0129894572	0.027619178



## 1595	60	15.860977	15.482219	16.173540	4.667409e-02	0.0278908863	0.056684591
## 1596	60	15.377649	15.285333	15.468104	9.276843e-04	0.0039320993	0.012221156
## 1597	60	15.390114	15.182126	15.549543	1.824751e-02	0.0174391839	0.036157759
## 1598	60	15.745958	15.574351	15.856766	4.463300e-03	0.0086248668	0.019551215
## 1599	60	15.621150	15.492932	15.835907	9.708662e-03	0.0127204967	0.027106803
## 1600	60	15.377304	15.206324	15.500926	5.485979e-03	0.0095620594	0.021236175
## 1601	60	15.142634	15.018448	15.208730	2.558973e-03	0.0065306621	0.016008331
## 1602	60	14.979399	14.919510	15.034358	9.153100e-04	0.0039057864	0.012180388
## 1603	60	14.855998	14.394141	15.055329	4.272709e-02	0.0266855423	0.054296764
## 1604	60	14.228114	14.159062	14.375832	2.057425e-03	0.0058558016	0.014933595
## 1605	60	14.078841	13.893262	14.283127	1.930276e-02	0.0179363526	0.037116449
## 1606	60	14.026090	13.871926	14.226261	1.434661e-02	0.0154631869	0.032330764
## 1607	60	14.324434	14.095693	14.588552	2.244539e-02	0.0193414020	0.039855267
## 1608	60	14.790460	14.586577	14.938332	1.240279e-02	0.0143775215	0.030252030
## 1609	60	14.273490	14.145149	14.569788	1.432807e-02	0.0154531944	0.032313640
## 1610	60	14.353528	14.255416	14.426074	1.934568e-03	0.0056782739	0.014661973
## 1611	60	13.937489	13.562347	14.398070	6.047276e-02	0.0317471164	0.064321729
## 1612	60	13.472797	13.410938	13.552814	1.485105e-03	0.0049751131	0.013605893
## 1613	60	13.532124	13.469880	13.587589	1.520775e-03	0.0050345060	0.013692151
## 1614	60	13.315860	13.200699	13.566744	1.066135e-02	0.0133300090	0.028245628
## 1615	60	13.256210	13.205991	13.289953	5.492118e-04	0.0030254802	0.011118080
## 1616	60	13.279506	13.188255	13.367159	3.952544e-03	0.0081163869	0.018625712
## 1617	60	13.263545	13.141156	13.426743	1.160300e-02	0.0139062320	0.029341729
## 1618	60	13.359215	13.253110	13.441103	3.221825e-03	0.0073278296	0.017291900
## 1619	60	13.155445	13.122851	13.248519	1.140923e-03	0.0043606635	0.012744142
## 1620	60	12.999637	12.905832	13.151607	5.766634e-03	0.0098035999	0.021655225
## 1621	60	12.894642	12.833755	12.982520	3.342378e-03	0.0074636651	0.017513617
## 1622	60	12.937242	12.833383	13.012171	3.322105e-03	0.0074409960	0.017475961
## 1623	60	12.950907	12.783519	13.046160	6.244154e-03	0.0102014327	0.022383397
## 1624	60	12.711141	12.651735	12.829751	1.973221e-03	0.0057347197	0.014725502
## 1625	60	12.807932	12.752344	12.862352	1.554904e-03	0.0050906846	0.013762655
## 1626	60	12.867362	12.768069	12.900402	8.777760e-04	0.0038248660	0.012041763
## 1627	60	12.989427	12.863778	13.079388	5.276140e-03	0.0093774020	0.020878778
## 1628	60	12.936964	12.924702	12.947398	3.351880e-05	0.0007474267	0.009467673
## 1629	60	12.899133	12.852155	12.941441	9.077720e-04	0.0038896701	0.012123905
## 1630	60	13.169905	12.933276	13.254633	1.200103e-02	0.0141427441	0.029792133
## 1631	60	13.083618	12.918529	13.245825	1.300688e-02	0.0147234984	0.030903682
## 1632	60	13.021837	12.930385	13.132130	4.644772e-03	0.0087984587	0.019835227
## 1633	60	13.149481	13.123243	13.169500	9.875781e-05	0.0012829511	0.009695855
## 1634	60	13.085638	13.027331	13.118790	3.115175e-04	0.0022785868	0.010389723
## 1635	60	12.975143	12.883994	13.073666	3.840803e-03	0.0080008364	0.018424540
## 1636	60	12.967769	12.666540	13.124649	2.252658e-02	0.0193763509	0.039916196
## 1637	60	12.572950	12.542303	12.658161	6.308648e-04	0.0032425935	0.011344801
## 1638	60	12.636093	12.559782	12.718182	3.143917e-03	0.0072386892	0.017134658
## 1639	60	12.541896	12.448788	12.630036	2.644372e-03	0.0066387396	0.016148914
## 1640	60	12.428192	12.377112	12.447831	3.465020e-04	0.0024031300	0.010486247
## 1641	60	12.253303	12.161822	12.374340	4.310033e-03	0.0084754867	0.019250827
## 1642	60	12.224575	12.155182	12.271106	2.013419e-03	0.0057928395	0.014806911
## 1643	60	12.238257	12.210077	12.262766	2.456545e-04	0.0020234234	0.010162098
## 1644	60	12.298830	12.266964	12.375686	9.287648e-04	0.0039343885	0.012170876
## 1645	60	12.351331	12.290146	12.409338	1.533456e-03	0.0050554519	0.013704545
## 1646	60	12.214059	12.177679	12.288466	9.783387e-04	0.0040380250	0.012302282
## 1647	60	12.170768	12.143502	12.208124	3.072341e-04	0.0022628673	0.010357864
## 1648	60	12.354284	12.207753	12.597593	1.066704e-02	0.0133335674	0.028245669

## 1649	60	12.851262	12.612457	12.993655	1.193372e-02	0.0141030267	0.029714531
## 1650	60	12.891910	12.858699	12.937749	5.188289e-04	0.0029406034	0.011021398
## 1651	60	12.884694	12.768086	12.979707	6.243196e-03	0.0102006501	0.022381387
## 1652	60	12.680934	12.575562	12.779768	4.123246e-03	0.0082897987	0.018924990
## 1653	60	12.540493	12.422716	12.651874	6.302467e-03	0.0102489572	0.022467413
## 1654	60	12.546167	12.420294	12.655212	5.736164e-03	0.0097776646	0.021603447
## 1655	60	12.482535	12.344283	12.613161	5.346051e-03	0.0094393242	0.020986887
## 1656	60	12.274806	12.242905	12.336647	5.782221e-04	0.0031043574	0.011185565
## 1657	60	12.381831	12.300907	12.485505	3.285476e-03	0.0073998601	0.017400756
## 1658	60	12.216249	12.178186	12.299814	1.366565e-03	0.0047724289	0.013297374
## 1659	60	12.145895	12.088688	12.191486	1.377700e-03	0.0047918335	0.013323121
## 1660	60	12.135586	12.109426	12.170335	2.839122e-04	0.0021752862	0.010282976
## 1661	60	12.193046	12.159067	12.262864	8.092730e-04	0.0036725853	0.011842468
## 1662	60	12.216836	12.134052	12.274270	1.283923e-03	0.0046258750	0.013091519
## 1663	60	12.031509	11.958319	12.130243	2.647458e-03	0.0066426122	0.016148733
## 1664	60	12.153604	11.941935	12.337663	2.222158e-02	0.0192447311	0.039655318
## 1665	60	12.130461	12.017390	12.261927	5.022630e-03	0.0091493445	0.020458471
## 1666	60	11.929696	11.863083	12.013953	1.738216e-03	0.0053824041	0.014180376
## 1667	60	11.838052	11.813369	11.862205	1.062218e-04	0.0013305502	0.009692994
## 1668	60	11.819247	11.786931	11.855216	4.877833e-04	0.0028512666	0.010907946
## 1669	60	11.805192	11.788256	11.821979	5.747586e-05	0.0009787395	0.009525727
## 1670	60	11.899957	11.785193	11.967321	3.444326e-03	0.0075766375	0.017691573
## 1671	60	11.926730	11.863611	12.011823	2.312384e-03	0.0062080385	0.015451539
## 1672	60	11.991667	11.893605	12.072498	3.196477e-03	0.0072989468	0.017227176
## 1673	60	12.019213	11.923950	12.103236	1.932631e-03	0.0056754304	0.014624453
## 1674	60	12.165635	12.074548	12.339224	9.587509e-03	0.0126408787	0.026930944
## 1675	60	12.272494	12.213358	12.327293	1.251572e-03	0.0045672231	0.013011056
## 1676	60	12.206428	12.166703	12.259155	9.790313e-04	0.0040394540	0.012303633
## 1677	60	12.178024	12.123683	12.253334	2.076623e-03	0.0058830595	0.014946025
## 1678	60	12.146470	12.089292	12.194220	1.047941e-03	0.0041791967	0.012484915
## 1679	60	12.049946	11.998194	12.170980	2.081638e-03	0.0058901589	0.014955881
## 1680	60	11.928668	11.802922	12.029889	3.872526e-03	0.0080338095	0.018469150
## 1681	60	11.728330	11.649075	11.796830	1.214449e-03	0.0044989804	0.012908579
## 1682	60	11.631827	11.596239	11.656320	4.638691e-04	0.0027804947	0.010831978
## 1683	60	11.672451	11.618615	11.747701	1.472100e-03	0.0049532816	0.013546733
## 1684	60	11.775985	11.724114	11.849201	1.777502e-03	0.0054428881	0.014268561
## 1685	60	11.740777	11.727472	11.763108	7.475311e-05	0.0011161923	0.009583760
## 1686	60	11.926441	11.763497	12.091557	1.621629e-02	0.0164399359	0.034202570
## 1687	60	12.016759	11.911414	12.082028	2.392053e-03	0.0063140761	0.015620688
## 1688	60	11.756990	11.689494	11.907234	4.664484e-03	0.0088171082	0.019856966
## 1689	60	11.781300	11.734052	11.808624	3.455333e-04	0.0023997684	0.010470516
## 1690	60	11.635792	11.544536	11.757777	4.100793e-03	0.0082671973	0.018874756
## 1691	60	11.474779	11.442344	11.539323	9.104989e-04	0.0038955079	0.012107187
## 1692	60	11.404578	11.377015	11.454507	5.892367e-04	0.0031337856	0.011201455
## 1693	60	11.369277	11.337030	11.401439	3.697544e-04	0.0024824530	0.010538102
## 1694	60	11.622224	11.377504	11.905693	1.956515e-02	0.0180578458	0.037340075
## 1695	60	11.913849	11.834574	11.973627	2.247872e-03	0.0061208277	0.015313454
## 1696	60	11.782060	11.703455	11.935355	4.735694e-03	0.0088841565	0.019977629
## 1697	60	11.777299	11.653157	11.830845	2.756350e-03	0.0067778435	0.016364620
## 1698	60	11.549264	11.491781	11.645912	1.979264e-03	0.0057434948	0.014722221
## 1699	60	11.531403	11.481022	11.585480	1.401693e-03	0.0048333794	0.013372644
## 1700	60	11.506571	11.464523	11.564042	1.076510e-03	0.0042357795	0.012549313
## 1701	60	11.650854	11.494847	11.980950	2.865812e-02	0.0218548706	0.044764731
## 1702	60	11.903090	11.786012	11.987687	5.589908e-03	0.0096522086	0.021368580

## 1703	60	11.900762	11.778357	12.062715	1.375610e-02	0.0151416106	0.031698942
## 1704	60	11.927309	11.759046	12.105189	1.679023e-02	0.0167283350	0.034760698
## 1705	60	11.953325	11.777558	12.105852	1.062593e-02	0.0133078484	0.028193392
## 1706	60	11.767206	11.713979	11.871169	2.604207e-03	0.0065881295	0.016057283
## 1707	60	11.703973	11.582317	11.842736	5.543453e-03	0.0096120180	0.021294038
## 1708	60	11.615901	11.587336	11.653858	2.733756e-04	0.0021345399	0.010238825
## 1709	60	11.534390	11.405306	11.652707	7.453051e-03	0.0111452909	0.024118647
## 1710	60	11.491062	11.415186	11.628885	4.000830e-03	0.0081658127	0.018694035
## 1711	60	11.650497	11.551527	11.702244	1.691504e-03	0.0053095890	0.014067300
## 1712	60	11.582409	11.489554	11.833658	8.300820e-03	0.0117621000	0.025272698
## 1713	60	11.685460	11.495021	11.874176	1.423911e-02	0.0154051445	0.032204692
## 1714	60	11.384837	11.324399	11.484730	1.796360e-03	0.0054716847	0.014306557
## 1715	60	11.406049	11.274281	11.514703	5.621196e-03	0.0096791838	0.021413554
## 1716	60	11.225905	11.206049	11.274593	2.825060e-04	0.0021698924	0.010260365
## 1717	60	11.360819	11.220143	11.429965	4.788859e-03	0.0089338854	0.020062265
## 1718	60	11.281783	11.237442	11.356515	1.260089e-03	0.0045827372	0.013017015
## 1719	60	11.192006	11.170554	11.250833	5.433907e-04	0.0030094038	0.011062567
## 1720	60	11.113185	11.075188	11.183011	1.118368e-03	0.0043173452	0.012652005
## 1721	60	11.020377	10.996962	11.071380	4.186256e-04	0.0026414187	0.010682737
## 1722	60	11.043883	10.967465	11.142421	4.093452e-03	0.0082597945	0.018855517
## 1723	60	11.234355	11.145469	11.331096	2.941276e-03	0.0070015193	0.016724988
## 1724	60	11.459903	11.329064	11.586965	6.412548e-03	0.0103380749	0.022622440
## 1725	60	11.521196	11.480398	11.594051	1.554362e-03	0.0050897965	0.013742156
## 1726	60	11.592666	11.525715	11.674655	2.621268e-03	0.0066096743	0.016089559
## 1727	60	11.578006	11.439884	11.657472	4.143055e-03	0.0083096884	0.018949095
## 1728	60	11.361261	11.306086	11.429965	9.337294e-04	0.0039448899	0.012168097
## 1729	60	11.396885	11.376311	11.430160	2.555965e-04	0.0020639628	0.010177144
## 1730	60	11.361843	11.300306	11.398882	7.811308e-04	0.0036081638	0.011748982
## 1731	60	11.243749	11.163233	11.304855	2.782008e-03	0.0068093176	0.016409316
## 1732	60	11.158106	11.085456	11.200698	1.324198e-03	0.0046978681	0.013175123
## 1733	60	11.055486	11.025542	11.083151	2.748438e-04	0.0021402638	0.010231962
## 1734	60	10.983608	10.923501	11.029231	1.379075e-03	0.0047942238	0.013308380
## 1735	60	10.933402	10.909369	10.978767	4.912147e-04	0.0028612779	0.010901589
## 1736	60	11.076492	10.981812	11.120712	1.977934e-03	0.0057415652	0.014711853
## 1737	60	11.074156	11.018612	11.114798	8.641389e-04	0.0037950382	0.011973572
## 1738	60	11.100911	11.018182	11.127703	7.644043e-04	0.0035693237	0.011697383
## 1739	60	11.008344	10.908645	11.104450	3.654520e-03	0.0078044003	0.018067181
## 1740	60	10.852816	10.792751	10.903686	7.240295e-04	0.0034737815	0.011579602
## 1741	60	10.775698	10.760835	10.790075	6.367534e-05	0.0010301726	0.009524605
## 1742	60	10.826853	10.736923	11.051838	8.778196e-03	0.0120955888	0.025893148
## 1743	60	11.334604	11.063279	11.464367	1.431577e-02	0.0154465562	0.032281924
## 1744	60	11.547832	11.464367	11.581342	8.552924e-04	0.0037755626	0.011957409
## 1745	60	11.342443	11.263367	11.511461	5.538270e-03	0.0096075229	0.021282882
## 1746	60	11.282200	11.182581	11.354503	2.370020e-03	0.0062849297	0.015564643
## 1747	60	11.125853	10.973419	11.210890	6.036461e-03	0.0100303385	0.022053336
## 1748	60	10.840723	10.696574	10.966176	5.649851e-03	0.0097038229	0.021453641
## 1749	60	10.653169	10.633896	10.691245	2.847720e-04	0.0021785777	0.010255832
## 1750	60	10.599948	10.538757	10.643713	1.069217e-03	0.0042214070	0.012515005
## 1751	60	10.545212	10.526636	10.585858	2.514092e-04	0.0020469864	0.010146416
## 1752	60	10.582114	10.572662	10.590893	3.434624e-05	0.0007565959	0.009418682
## 1753	60	10.588852	10.577796	10.597765	4.003762e-05	0.0008168804	0.009438633
## 1754	60	10.531605	10.470791	10.574360	7.885553e-04	0.0036252707	0.011755172
## 1755	60	10.427992	10.404878	10.465444	2.678476e-04	0.0021128482	0.010196980
## 1756	60	10.396082	10.377806	10.414306	1.075971e-04	0.0013391358	0.009666651

## 1757	60	10.445920	10.389692	10.568115	3.123996e-03	0.0072157195	0.017070337
## 1758	60	10.598034	10.571920	10.623823	1.721914e-04	0.0016940650	0.009887792
## 1759	60	10.613935	10.580293	10.635866	3.043369e-04	0.0022521727	0.010317108
## 1760	60	10.582615	10.533351	10.660013	1.460469e-03	0.0049336746	0.013501848
## 1761	60	10.603674	10.532374	10.671997	1.915254e-03	0.0056498584	0.014565051
## 1762	60	10.484200	10.449283	10.532745	5.801513e-04	0.0031095318	0.011157718
## 1763	60	10.632135	10.510162	10.714433	4.815750e-03	0.0089589343	0.020100618
## 1764	60	10.651747	10.540827	10.736316	3.528695e-03	0.0076688710	0.017833001
## 1765	60	10.482148	10.404157	10.536258	1.044433e-03	0.0041721964	0.012448093
## 1766	60	10.326477	10.282245	10.395392	5.230165e-04	0.0029524468	0.010985883
## 1767	60	10.273893	10.262729	10.285896	5.649146e-05	0.0009703217	0.009488854
## 1768	60	10.282239	10.259060	10.338711	4.420463e-04	0.0027143027	0.010740308
## 1769	60	10.431154	10.339082	10.553084	3.282734e-03	0.0073967714	0.017372507
## 1770	60	10.679806	10.559194	10.784551	3.160198e-03	0.0072574081	0.017142373
## 1771	60	10.671992	10.604693	10.775475	2.467859e-03	0.0064133445	0.015761878
## 1772	60	10.501416	10.423439	10.597453	2.463906e-03	0.0064082051	0.015751309
## 1773	60	10.369229	10.298641	10.418952	1.061073e-03	0.0042052995	0.012489921
## 1774	60	10.263821	10.221800	10.301529	4.528712e-04	0.0027473356	0.010772604
## 1775	60	10.199128	10.179059	10.218170	8.782893e-05	0.0012098824	0.009595116
## 1776	60	10.144252	10.106281	10.215341	9.313436e-04	0.0039398469	0.012140974
## 1777	60	10.251088	10.219907	10.275297	2.569071e-04	0.0020692475	0.010157859
## 1778	60	10.221708	10.194692	10.249321	2.634486e-04	0.0020954260	0.010178434
## 1779	60	10.361997	10.223558	10.501047	7.134587e-03	0.0109045763	0.023661675
## 1780	60	10.486152	10.451215	10.520391	4.261092e-04	0.0026649239	0.010695034
## 1781	60	10.451590	10.386044	10.499212	1.035105e-03	0.0041535217	0.012422869
## 1782	60	10.414973	10.371482	10.516289	2.045210e-03	0.0058383935	0.014852676
## 1783	60	10.587773	10.520096	10.651189	1.030214e-03	0.0041436979	0.012412481
## 1784	60	10.638343	10.589430	10.668231	8.662084e-04	0.0037995798	0.011971519
## 1785	60	10.495398	10.348315	10.586014	5.739864e-03	0.0097808175	0.021590921
## 1786	60	10.319664	10.256873	10.364943	1.379631e-03	0.0047951897	0.013299420
## 1787	60	10.237674	10.188974	10.306858	1.014514e-03	0.0041120031	0.012365168
## 1788	60	10.332314	10.269150	10.478950	2.622150e-03	0.0066107863	0.016075952
## 1789	60	10.770355	10.495329	10.916025	1.377546e-02	0.0151522605	0.031712342
## 1790	60	10.639529	10.400076	10.873860	1.988905e-02	0.0182067075	0.037624347
## 1791	60	10.304029	10.232476	10.396270	1.455688e-03	0.0049255924	0.013486185
## 1792	60	10.174825	10.118790	10.228672	1.154254e-03	0.0043860652	0.012729204
## 1793	60	10.081752	9.997769	10.139127	2.171775e-03	0.0060163323	0.015124463
## 1794	60	9.974784	9.953058	10.005323	2.763599e-04	0.0021461589	0.010215030
## 1795	60	9.926980	9.895448	9.952298	2.816283e-04	0.0021665190	0.010230865
## 1796	60	9.889408	9.862372	9.919063	2.149318e-04	0.0018926694	0.010014056
## 1797	60	9.908307	9.893693	9.944121	1.805205e-04	0.0017345532	0.009901218
## 1798	60	9.988258	9.941447	10.083289	1.144201e-03	0.0043669236	0.012700910
## 1799	60	10.216645	10.087095	10.272721	2.823451e-03	0.0068598478	0.016478994
## 1800	60	10.247485	10.208255	10.275765	3.964946e-04	0.0025706504	0.010599048
## 1801	60	10.198155	10.180034	10.215653	9.566074e-05	0.0012626740	0.009621799
## 1802	60	10.168495	10.135185	10.213292	5.124119e-04	0.0029223618	0.010950739
## 1803	60	10.237232	10.157415	10.295205	1.742125e-03	0.0053884515	0.014164283
## 1804	60	10.097850	10.051127	10.153979	8.746128e-04	0.0038179681	0.011985663
## 1805	60	10.025456	10.009753	10.048824	5.324672e-05	0.0009420432	0.009472466
## 1806	60	10.001446	9.990159	10.011646	4.733103e-05	0.0008881726	0.009451147
## 1807	60	9.969883	9.910243	10.000074	7.175093e-04	0.0034581046	0.011544954
## 1808	60	9.852385	9.810189	9.906496	7.078811e-04	0.0034348242	0.011515889
## 1809	60	9.780261	9.771021	9.809035	1.027800e-04	0.0013088161	0.009637340
## 1810	60	9.768255	9.751899	9.785032	9.153359e-05	0.0012351355	0.009598469

## 1811	60	9.776045	9.756093	9.794947	1.221385e-04	0.0014267589	0.009702706
## 1812	60	9.813533	9.795474	9.828084	8.589001e-05	0.0011964531	0.009580089
## 1813	60	9.857250	9.822912	9.874120	2.247200e-04	0.0019352865	0.010045145
## 1814	60	9.924376	9.850329	10.019277	3.534838e-03	0.0076755434	0.017835993
## 1815	60	10.092021	10.023083	10.166176	1.841543e-03	0.0055400706	0.014390827
## 1816	60	10.151079	10.122381	10.187294	4.372095e-04	0.0026994119	0.010722609
## 1817	60	10.197793	10.161083	10.234389	4.172899e-04	0.0026372015	0.010662410
## 1818	60	10.302845	10.232711	10.364027	1.651702e-03	0.0052467484	0.013954327
## 1819	60	10.280619	10.117035	10.374606	7.555803e-03	0.0112218562	0.024251162
## 1820	60	9.978981	9.874647	10.110926	5.336296e-03	0.0094307085	0.020948552
## 1821	60	9.833306	9.816433	9.877535	2.467429e-04	0.0020279007	0.010116874
## 1822	60	9.820975	9.800039	9.855813	2.385863e-04	0.0019941007	0.010089949
## 1823	60	9.963336	9.833724	10.082450	6.757595e-03	0.0106125672	0.023116811
## 1824	60	10.168540	10.086256	10.216628	1.499698e-03	0.0049994972	0.013590080
## 1825	60	10.073145	10.007080	10.135029	2.584575e-03	0.0065632497	0.015994659
## 1826	60	10.000462	9.932333	10.045253	9.818964e-04	0.0040453603	0.012273937
## 1827	60	9.941694	9.919219	9.969511	1.840523e-04	0.0017514388	0.009913440
## 1828	60	10.007235	9.952531	10.104465	1.450478e-03	0.0049167707	0.013469035
## 1829	60	10.025354	9.815143	10.185851	1.123154e-02	0.0136818253	0.028892085
## 1830	60	9.713224	9.684555	9.810949	1.159101e-03	0.0043952644	0.012734923
## 1831	60	9.748854	9.683401	10.044414	1.015105e-02	0.0130070835	0.027608032
## 1832	60	9.990496	9.899490	10.161239	7.603301e-03	0.0112570725	0.024315159
## 1833	60	10.035640	9.999838	10.053702	1.596575e-04	0.0016312442	0.009834156
## 1834	60	10.090573	9.990159	10.155736	2.398587e-03	0.0063226934	0.015608846
## 1835	60	9.960874	9.922810	10.080539	1.763276e-03	0.0054210639	0.014210064
## 1836	60	9.956828	9.904739	10.023843	1.471253e-03	0.0049518570	0.013518305
## 1837	60	9.943773	9.895292	10.039984	2.344576e-03	0.0062511012	0.015493384
## 1838	60	9.900451	9.815358	10.039377	3.703180e-03	0.0078561866	0.018143178
## 1839	60	9.809956	9.715407	9.839284	1.201971e-03	0.0044758071	0.012845326
## 1840	60	9.734069	9.678503	9.798968	1.646040e-03	0.0052377474	0.013932645
## 1841	60	9.853783	9.717143	9.961822	3.206450e-03	0.0073103233	0.017220780
## 1842	60	10.150122	9.969802	10.282716	5.642280e-03	0.0096973191	0.021435714
## 1843	60	10.310973	10.191179	10.396935	4.926851e-03	0.0090616880	0.020282872
## 1844	60	10.095038	9.967071	10.185851	4.162459e-03	0.0083291250	0.018969050
## 1845	60	9.877702	9.803769	9.965705	3.146780e-03	0.0072419835	0.017106790
## 1846	60	9.765481	9.707718	9.805291	6.257725e-04	0.0032294800	0.011277735
## 1847	60	9.706874	9.610263	9.767276	2.558843e-03	0.0065304964	0.015937042
## 1848	60	9.781567	9.599142	9.903508	8.595963e-03	0.0119693797	0.025647209
## 1849	60	10.163167	9.912292	10.294133	1.386086e-02	0.0151991555	0.031798707
## 1850	60	10.313925	10.199181	10.456603	9.951629e-03	0.0128786832	0.027367512
## 1851	60	10.182489	10.056299	10.440986	1.207938e-02	0.0141888307	0.029861799
## 1852	60	9.867069	9.730940	10.043731	8.882554e-03	0.0121672742	0.026020595
## 1853	60	9.729196	9.698858	9.813680	9.653941e-04	0.0040112219	0.012225849
## 1854	60	9.941505	9.817878	10.049448	3.926477e-03	0.0080895787	0.018543517
## 1855	60	9.896876	9.741066	10.054015	8.295550e-03	0.0117583657	0.025252111
## 1856	60	9.743107	9.690330	9.789542	8.618786e-04	0.0037900716	0.011944471
## 1857	60	9.652281	9.585249	9.694525	8.785242e-04	0.0038264957	0.011988464
## 1858	60	9.580149	9.533753	9.619768	7.514981e-04	0.0035390632	0.011634389
## 1859	60	9.564053	9.519507	9.628587	8.441933e-04	0.0037509851	0.011893017
## 1860	60	9.862412	9.634694	10.001654	1.665944e-02	0.0166630553	0.034622430
## 1861	60	9.818990	9.637682	9.962428	1.142052e-02	0.0137964500	0.029109176
## 1862	60	9.537924	9.468071	9.633114	2.666620e-03	0.0066666089	0.016155640
## 1863	60	9.457107	9.406217	9.505635	7.684868e-04	0.0035788424	0.011680178
## 1864	60	9.386930	9.353573	9.415447	3.652948e-04	0.0024674373	0.010485148

## 1865	60	9.406485	9.371427	9.441027	2.637248e-04	0.0020965240	0.010162943
## 1866	60	9.532475	9.452851	9.607885	2.252411e-03	0.0061270046	0.015291188
## 1867	60	9.456527	9.434938	9.515858	2.708804e-04	0.0021247760	0.010187525
## 1868	60	9.498836	9.448733	9.575824	1.246450e-03	0.0045578690	0.012954223
## 1869	60	9.564317	9.495371	9.732150	4.204443e-03	0.0083710248	0.019039049
## 1870	60	9.789600	9.685921	9.884462	3.727475e-03	0.0078819155	0.018185294
## 1871	60	9.679744	9.574379	9.768192	4.818698e-03	0.0089616760	0.020096690
## 1872	60	9.594531	9.543743	9.641935	7.047923e-04	0.0034273224	0.011502350
## 1873	60	9.866790	9.578164	10.126930	3.217387e-02	0.0231566650	0.047316120
## 1874	60	10.085260	10.010416	10.149725	2.054453e-03	0.0058515709	0.014867983
## 1875	60	10.033333	9.968593	10.106670	1.844838e-03	0.0055450254	0.014397484
## 1876	60	9.922971	9.873046	10.021717	1.235905e-03	0.0045385486	0.012934600
## 1877	60	9.903994	9.804469	10.062778	6.724933e-03	0.0105868890	0.023069131
## 1878	60	10.002859	9.876696	10.102339	6.596083e-03	0.0104849761	0.022881034
## 1879	60	9.895695	9.809583	9.952142	1.502259e-03	0.0050037640	0.013592245
## 1880	60	9.775455	9.754336	9.819088	2.139088e-04	0.0018881596	0.010008646
## 1881	60	9.889957	9.809641	9.980792	3.063542e-03	0.0071455606	0.016946615
## 1882	60	9.737275	9.651693	9.813153	3.304004e-03	0.0074206958	0.017403848
## 1883	60	9.515864	9.453925	9.651243	4.267865e-03	0.0084339249	0.019150188
## 1884	60	9.344664	9.288460	9.458276	2.650859e-03	0.0066468773	0.016121374
## 1885	60	9.356600	9.328305	9.380089	2.519566e-04	0.0020492136	0.010123651
## 1886	60	9.436015	9.350315	9.503586	2.284240e-03	0.0061701438	0.015357917
## 1887	60	9.389849	9.330665	9.448130	2.289046e-03	0.0061766302	0.015367434
## 1888	60	9.377972	9.310840	9.434567	1.920663e-03	0.0056578313	0.014559705
## 1889	60	9.399302	9.327914	9.462979	2.349738e-03	0.0062579783	0.015496638
## 1890	60	9.538243	9.418022	9.625172	3.620761e-03	0.0077682700	0.017988806
## 1891	60	9.625038	9.492072	9.783979	9.626045e-03	0.0126662575	0.026960564
## 1892	60	9.652276	9.580077	9.774359	3.344012e-03	0.0074654895	0.017478635
## 1893	60	9.673457	9.626090	9.706311	5.825871e-04	0.0031160527	0.011149591
## 1894	60	9.597672	9.561345	9.634794	5.998711e-04	0.0031619379	0.011199010
## 1895	60	9.637806	9.599669	9.675851	5.368780e-04	0.0029913151	0.011013724
## 1896	60	9.723770	9.656044	9.820159	2.978839e-03	0.0070460858	0.016779889
## 1897	60	9.607160	9.533518	9.682094	1.815034e-03	0.0055000517	0.014323309
## 1898	60	9.443049	9.404168	9.529694	1.352082e-03	0.0047470731	0.013218275
## 1899	60	9.421877	9.401710	9.441340	1.303052e-04	0.0014736867	0.009722790
## 1900	60	9.469486	9.409281	9.527216	1.197702e-03	0.0044678512	0.012829410
## 1901	60	9.420342	9.375836	9.467936	8.030591e-04	0.0036584584	0.011776210
## 1902	60	9.347442	9.310587	9.395797	9.001299e-04	0.0038732628	0.012042329
## 1903	60	9.299057	9.263271	9.345747	9.528394e-04	0.0039850542	0.012184214
## 1904	60	9.377107	9.263545	9.739330	2.038167e-02	0.0184308040	0.038054884
## 1905	60	9.642515	9.589073	9.767900	2.551782e-03	0.0065214799	0.015922511
## 1906	60	9.745935	9.638209	9.791806	1.147368e-03	0.0043729631	0.012704356
## 1907	60	9.688216	9.619397	9.744637	1.067236e-03	0.0042174955	0.012494968
## 1908	60	9.608502	9.593111	9.630656	9.442697e-05	0.0012545050	0.009605042
## 1909	60	9.558483	9.526298	9.603455	5.037950e-04	0.0028976858	0.010913382
## 1910	60	9.538212	9.513323	9.561169	2.025650e-04	0.0018374122	0.009966069
## 1911	60	9.670530	9.536114	9.771412	5.942722e-03	0.0099521540	0.021897471
## 1912	60	9.890427	9.775978	9.992520	3.002812e-03	0.0070743807	0.016828798
## 1913	60	10.134557	9.997086	10.240051	5.910135e-03	0.0099248298	0.021851456
## 1914	60	9.953914	9.843011	10.221430	1.100802e-02	0.0135449967	0.028631632
## 1915	60	9.856727	9.798517	9.975384	2.642433e-03	0.0066363060	0.016110835
## 1916	60	9.807350	9.684222	9.966467	7.503135e-03	0.0111826766	0.024174887
## 1917	60	9.772316	9.664259	9.916252	6.507373e-03	0.0104142311	0.022748830
## 1918	60	9.643042	9.558437	9.791141	6.111005e-03	0.0100920802	0.022154466

## 1919	60	9.592230	9.514707	9.703579	3.281234e-03	0.0073950821	0.017359580
## 1920	60	9.845944	9.715777	9.941174	3.162238e-03	0.0072597498	0.017136111
## 1921	60	9.675351	9.604682	9.841569	5.728590e-03	0.0097712078	0.021566808
## 1922	60	9.500551	9.327231	9.653292	1.104645e-02	0.0135686243	0.028672798
## 1923	60	9.319487	9.249068	9.372168	1.148964e-03	0.0043760024	0.012701675
## 1924	60	9.601448	9.375601	9.849043	2.898639e-02	0.0219796847	0.045000513
## 1925	60	9.453995	9.345105	9.658016	6.787779e-03	0.0106362426	0.023157141
## 1926	60	9.599047	9.385260	9.724305	9.778996e-03	0.0127664898	0.027149830
## 1927	60	9.455285	9.328791	9.621310	7.434372e-03	0.0111313163	0.024076436
## 1928	60	9.504548	9.427641	9.610166	3.163705e-03	0.0072614337	0.017134939
## 1929	60	9.587741	9.518377	9.668103	1.805490e-03	0.0054855718	0.014301234
## 1930	60	9.664228	9.548680	9.739936	4.382440e-03	0.0085463829	0.019351577
## 1931	60	9.478589	9.373690	9.638441	6.591892e-03	0.0104816440	0.022871013
## 1932	60	9.593350	9.531293	9.663441	1.665952e-03	0.0052693320	0.013977448
## 1933	60	9.606913	9.554028	9.647731	6.020246e-04	0.0031676083	0.011205553
## 1934	60	9.645809	9.565519	9.767821	5.355992e-03	0.0094480970	0.020977066
## 1935	60	9.541074	9.396695	9.763255	1.093235e-02	0.0134983659	0.028539741
## 1936	60	9.819541	9.480793	10.069862	4.526842e-02	0.0274676837	0.055825546
## 1937	60	9.969999	9.803943	10.209094	2.253354e-02	0.0193793448	0.039907646
## 1938	60	10.144564	9.933543	10.425821	2.696074e-02	0.0211977757	0.043468233
## 1939	60	10.468252	10.418657	10.539617	1.528403e-03	0.0050471166	0.013664073
## 1940	60	10.593734	10.532589	10.634500	9.590809e-04	0.0039980848	0.012222772
## 1941	60	10.605297	10.555758	10.692337	1.859547e-03	0.0055670870	0.014439340
## 1942	60	10.732746	10.580606	10.951476	1.787098e-02	0.0172583195	0.035781528
## 1943	60	10.890986	10.726184	10.955439	4.378642e-03	0.0085426795	0.019356742
## 1944	60	10.646499	10.301609	10.823769	2.540646e-02	0.0205776805	0.042254621
## 1945	60	10.052742	9.893381	10.285975	1.401858e-02	0.0152853851	0.031964545
## 1946	60	10.251730	10.066974	10.462730	2.165916e-02	0.0189996302	0.039167606
## 1947	60	10.447318	10.391762	10.490312	5.932059e-04	0.0031443227	0.011195248
## 1948	60	10.563481	10.457969	10.640433	4.042922e-03	0.0082086562	0.018759942
## 1949	60	10.625649	10.585779	10.656674	6.084230e-04	0.0031843970	0.011242805
## 1950	60	10.808652	10.658880	10.932247	6.199382e-03	0.0101647938	0.022297891
## 1951	60	10.775868	10.682889	10.870618	3.724883e-03	0.0078791740	0.018191819
## 1952	60	10.933796	10.849791	11.023981	4.851537e-03	0.0089921605	0.020163364
## 1953	60	10.739657	10.462303	10.998894	4.518422e-02	0.0274421255	0.055778259
## 1954	60	10.238756	10.121463	10.456211	1.052817e-02	0.0132464913	0.028065405
## 1955	60	10.278771	10.118713	10.412333	1.012529e-02	0.0129905660	0.027579282
## 1956	60	10.417282	10.218150	10.510884	8.533151e-03	0.0119255687	0.025569443
## 1957	60	10.032448	9.693980	10.235540	3.305702e-02	0.0234723318	0.047938040
## 1958	60	9.782583	9.646209	10.099274	2.218950e-02	0.0192308361	0.039617083
## 1959	60	10.073698	9.955186	10.171116	4.489861e-03	0.0086504918	0.019541808
## 1960	60	10.124394	9.942463	10.337813	2.484079e-02	0.0203473135	0.041801224
## 1961	60	10.346834	10.246119	10.452931	4.534661e-03	0.0086935423	0.019621570
## 1962	60	10.145813	9.913735	10.281621	1.023717e-02	0.0130621405	0.027714142
## 1963	60	9.825053	9.745652	9.903820	2.261402e-03	0.0061392215	0.015314445
## 1964	60	9.750930	9.567668	9.827089	4.053181e-03	0.0082190646	0.018770286
## 1965	60	9.362128	9.235408	9.554711	9.130424e-03	0.0123358716	0.026334780
## 1966	60	9.417774	9.253165	9.550045	7.314659e-03	0.0110413310	0.023908303
## 1967	60	9.356410	9.280831	9.438355	3.861285e-03	0.0080221410	0.018420087
## 1968	60	9.337464	9.282705	9.426938	1.132641e-03	0.0043448080	0.012660342
## 1969	60	9.606166	9.431135	9.722783	1.033462e-02	0.0131241611	0.027827977
## 1970	60	9.711955	9.663497	9.779160	1.243592e-03	0.0045526405	0.012950218
## 1971	60	9.483069	9.331095	9.652453	7.958485e-03	0.0115170058	0.024796847
## 1972	60	9.513889	9.330333	9.756308	1.714152e-02	0.0169024241	0.035084765

## 1973	60	9.607932	9.431194	9.752873	1.057138e-02	0.0132736462	0.028112170
## 1974	60	9.404798	9.368734	9.445554	5.664568e-04	0.0030726123	0.011097197
## 1975	60	9.443454	9.346256	9.497399	2.993015e-03	0.0070628311	0.016803622
## 1976	60	9.485428	9.426997	9.581364	2.089814e-03	0.0059017144	0.014937953
## 1977	60	9.470054	9.402432	9.564389	1.880555e-03	0.0055984450	0.014470908
## 1978	60	9.318772	9.235876	9.455506	3.850654e-03	0.0080110901	0.018401338
## 1979	60	9.266082	9.133579	9.369864	5.552239e-03	0.0096196319	0.021285870
## 1980	60	9.129249	9.069877	9.200894	1.768502e-03	0.0054290920	0.014209380
## 1981	60	9.071398	9.028984	9.184465	1.899257e-03	0.0056262141	0.014507853
## 1982	60	9.067743	9.036047	9.094033	4.304135e-04	0.0026783498	0.010680741
## 1983	60	9.040941	9.010234	9.084589	5.442275e-04	0.0030117202	0.011024565
## 1984	60	9.149070	9.086502	9.203234	1.219818e-03	0.0045089137	0.012880661
## 1985	60	9.098041	8.999271	9.212717	5.250219e-03	0.0093543390	0.020801719
## 1986	60	9.179575	9.079477	9.279680	4.299814e-03	0.0084654335	0.019202710
## 1987	60	9.200627	9.132781	9.250940	1.286541e-03	0.0046305889	0.013050224
## 1988	60	9.132475	9.034116	9.204699	3.559609e-03	0.0077023908	0.017872110
## 1989	60	9.092956	9.035267	9.208287	3.434121e-03	0.0075654045	0.017640328
## 1990	60	9.295664	9.212463	9.357767	1.838353e-03	0.0055352704	0.014371969
## 1991	60	9.275272	9.237751	9.312753	5.187714e-04	0.0029404405	0.010952844
## 1992	60	9.293871	9.214532	9.362665	3.276753e-03	0.0073900303	0.017347065
## 1993	60	9.268573	9.190434	9.341632	2.402514e-03	0.0063278667	0.015606352
## 1994	60	9.215594	9.116742	9.314313	3.129375e-03	0.0072219279	0.017065525
## 1995	60	9.018614	8.943082	9.201421	3.760934e-03	0.0079172114	0.018237838
## 1996	60	8.844759	8.787262	8.938615	1.646081e-03	0.0052378132	0.013920035
## 1997	60	8.835973	8.802517	8.862294	2.689716e-04	0.0021172765	0.010168174
## 1998	60	8.752934	8.734257	8.800216	2.437289e-04	0.0020154771	0.010085151
## 1999	60	9.079726	8.751598	9.478588	6.342430e-02	0.0325126386	0.065826697
## 2000	60	9.390988	9.237945	9.526513	1.063043e-02	0.0133106680	0.028181001
## 2001	60	9.240362	9.146906	9.318118	3.036254e-03	0.0071136649	0.016885632
## 2002	60	9.194222	9.164270	9.239234	3.417246e-04	0.0023865057	0.010407667
## 2003	60	9.246992	9.172484	9.301866	2.094519e-03	0.0059083538	0.014944432
## 2004	60	9.385772	9.239897	9.613895	1.793124e-02	0.0172873922	0.035830649
## 2005	60	9.688341	9.626090	9.739173	1.159663e-03	0.0043963292	0.012735208
## 2006	60	9.642716	9.572233	9.690878	1.403322e-03	0.0048361864	0.013347312
## 2007	60	9.470283	9.332949	9.689724	1.547578e-02	0.0160601911	0.033454765
## 2008	60	9.252868	9.117854	9.370803	4.470369e-03	0.0086316949	0.019500499
## 2009	60	8.996304	8.920119	9.106421	2.303303e-03	0.0061958358	0.015393273
## 2010	60	8.903554	8.893468	8.917505	3.853055e-05	0.0008013588	0.009396623
## 2011	60	8.891331	8.869843	8.911184	1.859794e-04	0.0017605841	0.009897838
## 2012	60	8.867711	8.804097	8.912335	1.304616e-03	0.0046630037	0.013090264
## 2013	60	8.759098	8.727527	8.801816	5.206097e-04	0.0029456456	0.010948766
## 2014	60	8.726998	8.718104	8.734784	1.568196e-05	0.0005112396	0.009312495
## 2015	60	8.733836	8.712778	8.751210	1.565433e-04	0.0016152571	0.009796449
## 2016	60	8.699121	8.672649	8.730961	2.863826e-04	0.0021847295	0.010221551
## 2017	60	8.790561	8.675323	8.905781	5.398267e-03	0.0094853106	0.021037020
## 2018	60	8.767000	8.725302	8.797523	4.359547e-04	0.0026955356	0.010692053
## 2019	60	8.707387	8.691649	8.732950	1.387894e-04	0.0015209067	0.009736436
## 2020	60	8.933726	8.737514	9.082929	1.226217e-02	0.0142957860	0.030057652
## 2021	60	8.845836	8.708155	8.936605	4.778836e-03	0.0089245315	0.020022016
## 2022	60	8.701214	8.683398	8.714064	6.809122e-05	0.0010652951	0.009494858
## 2023	60	8.689229	8.656282	8.707355	1.678138e-04	0.0016723923	0.009833199
## 2024	60	8.601282	8.562527	8.654371	6.649565e-04	0.0033290551	0.011370345
## 2025	60	8.627874	8.606907	8.655248	1.608859e-04	0.0016375080	0.009808972
## 2026	60	8.726294	8.652986	8.897467	6.040383e-03	0.0100335961	0.022039373



## 2027	60	8.992749	8.911943	9.022350	5.911250e-04	0.0031388028	0.011162085
## 2028	60	9.050597	8.972679	9.116704	2.198567e-03	0.0060533279	0.015168584
## 2029	60	8.999870	8.933288	9.069956	2.124850e-03	0.0059509803	0.015007684
## 2030	60	9.056051	8.936878	9.125777	2.482105e-03	0.0064318284	0.015769939
## 2031	60	9.012015	8.959842	9.067596	1.313270e-03	0.0046784434	0.013114363
## 2032	60	9.160914	9.065136	9.287426	4.728243e-03	0.0088771645	0.019940061
## 2033	60	9.429247	9.297339	9.475701	1.918890e-03	0.0056552195	0.014556291
## 2034	60	9.430880	9.331095	9.497576	3.591298e-03	0.0077365995	0.017933536
## 2035	60	9.073731	8.927944	9.326978	1.772095e-02	0.0171857247	0.035631787
## 2036	60	9.001684	8.941893	9.059732	1.961870e-03	0.0057182020	0.014646986
## 2037	60	9.064669	8.997182	9.131101	1.513113e-03	0.0050218077	0.013605998
## 2038	60	9.013731	8.915007	9.073058	2.469198e-03	0.0064150834	0.015742381
## 2039	60	9.005416	8.916372	9.094695	2.884967e-03	0.0069341749	0.016586370
## 2040	60	9.057073	8.949521	9.176778	5.091044e-03	0.0092114458	0.020542319
## 2041	60	8.902300	8.723586	9.167704	1.567279e-02	0.0161620896	0.033648608
## 2042	60	8.676090	8.614926	8.820406	2.625494e-03	0.0066150001	0.016061522
## 2043	60	8.926039	8.766445	9.035208	5.724528e-03	0.0097677428	0.021553398
## 2044	60	8.698435	8.662817	8.762622	7.196846e-04	0.0034633427	0.011529075
## 2045	60	8.765279	8.673449	8.841497	2.228187e-03	0.0060939683	0.015228792
## 2046	60	8.719207	8.675147	8.816251	1.344201e-03	0.0047332169	0.013187588
## 2047	60	8.843766	8.745065	8.900746	1.581505e-03	0.0051340454	0.013766458
## 2048	60	8.655900	8.630960	8.735934	7.655856e-04	0.0035720807	0.011658470
## 2049	60	8.796103	8.637360	8.885139	5.742338e-03	0.0097829253	0.021579851
## 2050	60	8.720145	8.562742	8.797249	7.009836e-03	0.0108088204	0.023470069
## 2051	60	8.592298	8.555738	8.674034	7.115618e-04	0.0034437426	0.011504361
## 2052	60	8.721883	8.679361	8.798050	6.232855e-04	0.0032230562	0.011252107
## 2053	60	8.757529	8.728307	8.804995	6.588018e-04	0.0033136129	0.011355297
## 2054	60	8.862107	8.759111	8.976228	3.487128e-03	0.0076235693	0.017735935
## 2055	60	8.933809	8.870508	8.983721	9.277669e-04	0.0039322744	0.012110384
## 2056	60	8.951155	8.844266	9.039714	5.038761e-03	0.0091640244	0.020455236
## 2057	60	8.866051	8.789154	8.935884	8.872095e-04	0.0038453640	0.011999209
## 2058	60	8.691522	8.647698	8.781155	1.152637e-03	0.0043829910	0.012701601
## 2059	60	8.611339	8.584514	8.645046	3.930289e-04	0.0025593910	0.010556577
## 2060	60	8.534011	8.502037	8.595475	8.343267e-04	0.0037290005	0.011847870
## 2061	60	8.489288	8.462340	8.537012	4.081002e-04	0.0026080013	0.010601216
## 2062	60	8.517957	8.490779	8.543430	2.964720e-04	0.0022228811	0.010250128
## 2063	60	8.511943	8.474784	8.540172	2.535390e-04	0.0020556386	0.010111735
## 2064	60	8.522044	8.478023	8.609034	1.499392e-03	0.0049989864	0.013564980
## 2065	60	8.883985	8.610556	9.073137	2.695098e-02	0.0211939389	0.043454612
## 2066	60	8.988377	8.946534	9.013142	2.329350e-04	0.0019703425	0.010054330
## 2067	60	8.792375	8.722277	8.943102	4.066849e-03	0.0082329109	0.018786067
## 2068	60	8.739452	8.709638	8.780570	6.406030e-04	0.0032675246	0.011302161
## 2069	60	8.753107	8.721733	8.776882	2.793858e-04	0.0021578765	0.010199997
## 2070	60	8.663941	8.638549	8.725808	8.218937e-04	0.0037011117	0.011815659
## 2071	60	8.611009	8.560499	8.643328	6.002726e-04	0.0031629958	0.011181980
## 2072	60	8.564068	8.548132	8.579226	1.041439e-04	0.0013174714	0.009615729
## 2073	60	8.603025	8.554861	8.684275	1.856482e-03	0.0055624965	0.014403686
## 2074	60	8.714737	8.685037	8.733906	1.408235e-04	0.0015320110	0.009743306
## 2075	60	8.848675	8.729263	8.966923	7.567118e-03	0.0112302551	0.024255726
## 2076	60	8.931332	8.850508	9.014234	2.316596e-03	0.0062136891	0.015420345
## 2077	60	8.869080	8.838510	8.939141	7.681765e-04	0.0035781199	0.011669331
## 2078	60	8.941243	8.871502	8.978023	7.387641e-04	0.0035089506	0.011587048
## 2079	60	8.842544	8.757375	8.931631	3.011766e-03	0.0070849204	0.016833278
## 2080	60	8.756260	8.715470	8.915066	2.361666e-03	0.0062738420	0.015514609

## 2081	60	9.190844	8.926499	9.376422	1.514380e-02	0.0158869977	0.033118537
## 2082	60	9.302810	9.130147	9.406432	6.066843e-03	0.0100555486	0.022084057
## 2083	60	8.974728	8.861532	9.116821	4.148796e-03	0.0083154436	0.018934234
## 2084	60	8.995877	8.834181	9.260558	1.633824e-02	0.0165016387	0.034305784
## 2085	60	9.222662	8.965578	9.340714	1.675670e-02	0.0167116215	0.034712769
## 2086	60	8.926536	8.874507	8.981263	1.063883e-03	0.0042108658	0.012473581
## 2087	60	8.878238	8.842921	8.914501	3.710290e-04	0.0024867281	0.010493265
## 2088	60	8.912657	8.878350	8.963900	5.258506e-04	0.0029604351	0.010967490
## 2089	60	8.897322	8.835194	8.949150	1.132774e-03	0.0043450621	0.012652926
## 2090	60	8.830560	8.803747	8.897040	5.043076e-04	0.0028991595	0.010901609
## 2091	60	8.907669	8.869122	8.963685	7.126064e-04	0.0034462694	0.011512503
## 2092	60	9.007977	8.942576	9.055012	1.209202e-03	0.0044892510	0.012851228
## 2093	60	8.963169	8.922246	9.002841	5.496342e-04	0.0030266433	0.011039119
## 2094	60	8.902861	8.870605	8.958338	6.272271e-04	0.0032332313	0.011266512
## 2095	60	8.897415	8.823958	8.966319	1.790463e-03	0.0054626967	0.014256607
## 2096	60	8.853735	8.782032	8.927317	3.108218e-03	0.0071974745	0.017020140
## 2097	60	8.922389	8.896143	8.969224	3.603838e-04	0.0024507952	0.010461009
## 2098	60	8.989944	8.965595	9.009845	1.117969e-04	0.0013650211	0.009650960
## 2099	60	8.953776	8.931375	8.977555	1.807110e-04	0.0017354682	0.009881742
## 2100	60	8.878378	8.845691	8.945793	9.661339e-04	0.0040127587	0.012213225
## 2101	60	8.732693	8.658232	8.853475	3.711452e-03	0.0078649560	0.018144684
## 2102	60	8.755909	8.667363	8.800254	2.270366e-03	0.0061513768	0.015318823
## 2103	60	8.774837	8.746334	8.803044	2.587811e-04	0.0020767807	0.010134047
## 2104	60	8.785033	8.739368	8.815277	4.682874e-04	0.0027937055	0.010791128
## 2105	60	8.780395	8.702087	8.842413	2.657220e-03	0.0066548485	0.016126467
## 2106	60	8.661475	8.635312	8.701092	2.114977e-04	0.0018774880	0.009977730
## 2107	60	8.609337	8.565864	8.669723	1.031033e-03	0.0041453438	0.012381729
## 2108	60	8.605541	8.572184	8.659462	7.616876e-04	0.0035629754	0.011646150
## 2109	60	8.614986	8.588825	8.662720	3.404534e-04	0.0023820630	0.010392276
## 2110	60	8.661967	8.640500	8.686929	1.736650e-04	0.0017012985	0.009852273
## 2111	60	8.664516	8.636539	8.722065	4.133503e-04	0.0026247233	0.010621021
## 2112	60	8.768528	8.731214	8.782794	9.799578e-05	0.0012779918	0.009599083
## 2113	60	8.796421	8.743835	8.874154	1.566684e-03	0.0051099309	0.013730699
## 2114	60	8.966717	8.875287	9.035032	3.111881e-03	0.0072017141	0.017028497
## 2115	60	8.998939	8.960796	9.042212	8.032836e-04	0.0036589697	0.011769401
## 2116	60	8.831567	8.728795	8.959860	3.949992e-03	0.0081137665	0.018575337
## 2117	60	8.695046	8.638979	8.725555	6.054419e-04	0.0031765860	0.011198640
## 2118	60	8.594612	8.569942	8.640871	3.593430e-04	0.0024472536	0.010451300
## 2119	60	8.618629	8.598735	8.642607	1.453958e-04	0.0015566837	0.009756769
## 2120	60	8.747467	8.637301	8.854352	6.532569e-03	0.0104343734	0.022777156
## 2121	60	8.907103	8.850920	8.966278	8.343808e-04	0.0037291214	0.011854439
## 2122	60	9.065008	8.969321	9.127084	1.993449e-03	0.0057640400	0.014718479
## 2123	60	9.160075	9.129191	9.175742	1.171834e-04	0.0013975179	0.009672775
## 2124	60	9.200503	9.160211	9.240053	5.705861e-04	0.0030837911	0.011105591
## 2125	60	9.195971	9.145734	9.285145	1.456719e-03	0.0049273366	0.013471703
## 2126	60	9.350910	9.283777	9.419485	1.534649e-03	0.0050574185	0.013662159
## 2127	60	9.315580	9.109876	9.457184	1.456792e-02	0.0155819978	0.032530759
## 2128	60	9.009759	8.956640	9.105679	1.635712e-03	0.0052212895	0.013898047
## 2129	60	8.984514	8.922558	9.027736	9.200800e-04	0.0039159502	0.012090293
## 2130	60	8.916408	8.883930	8.933971	1.893203e-04	0.0017763272	0.009909376
## 2131	60	8.839620	8.815821	8.878603	4.380088e-04	0.0027018782	0.010699908
## 2132	60	8.930934	8.869354	8.984483	1.894527e-03	0.0056192036	0.014494320
## 2133	60	8.985478	8.967723	8.998021	6.780691e-05	0.0010630688	0.009500013
## 2134	60	9.037090	8.992032	9.134165	1.996112e-03	0.0057678879	0.014724510

## 2135	60	9.130528	9.117875	9.146496	5.221993e-05	0.0009329160	0.009449268
## 2136	60	9.119459	9.095555	9.133191	8.562347e-05	0.0011945953	0.009564236
## 2137	60	9.136491	9.090363	9.167472	6.838545e-04	0.0033760295	0.011433950
## 2138	60	9.167382	9.155179	9.192600	1.084168e-04	0.0013442274	0.009643359
## 2139	60	9.212856	9.178747	9.246531	4.289981e-04	0.0026739423	0.010679328
## 2140	60	9.249283	9.207819	9.264287	2.675974e-04	0.0021118609	0.010171862
## 2141	60	9.279957	9.252794	9.318898	3.753146e-04	0.0025010485	0.010514559
## 2142	60	9.387862	9.324246	9.453672	9.968887e-04	0.0040761270	0.012304036
## 2143	60	9.478545	9.448501	9.559276	1.305654e-03	0.0046648577	0.013103018
## 2144	60	9.541530	9.521732	9.566964	1.854895e-04	0.0017582637	0.009909828
## 2145	60	9.546129	9.519957	9.578105	4.110231e-04	0.0026173242	0.010630393
## 2146	60	9.597270	9.532485	9.636843	1.425518e-03	0.0048742828	0.013400919
## 2147	60	9.645937	9.626714	9.676690	1.054615e-04	0.0013257797	0.009643635
## 2148	60	9.707216	9.680514	9.725436	1.579953e-04	0.0016227305	0.009821722
## 2149	60	9.726374	9.698408	9.763547	2.412614e-04	0.0020052488	0.010096759
## 2150	60	9.806898	9.764309	9.849882	5.482175e-04	0.0030227402	0.011050690
## 2151	60	9.890834	9.840515	9.955478	1.848668e-03	0.0055507776	0.014404041
## 2152	60	9.993332	9.953956	10.031688	5.170246e-04	0.0029354857	0.010961129
## 2153	60	10.046788	10.023531	10.072985	2.281806e-04	0.0019501308	0.010060516
## 2154	60	9.991854	9.936608	10.048765	8.845525e-04	0.0038396017	0.012011028
## 2155	60	9.915623	9.893614	9.967539	2.301604e-04	0.0019585725	0.010064808
## 2156	60	10.069303	9.977435	10.136530	1.927926e-03	0.0056685185	0.014585979
## 2157	60	10.118713	10.091429	10.149119	2.699254e-04	0.0021210275	0.010197257
## 2158	60	10.175161	10.127006	10.214267	5.017668e-04	0.0028918473	0.010918825
## 2159	60	10.185188	10.161474	10.217019	2.893478e-04	0.0021960109	0.010260910
## 2160	60	10.266201	10.170295	10.336897	2.258722e-03	0.0061355824	0.015314540
## 2161	60	10.319289	10.291849	10.366077	4.259451e-04	0.0026644110	0.010691548
## 2162	60	10.392901	10.349154	10.450140	9.278276e-04	0.0039324030	0.012135468
## 2163	60	10.450500	10.421313	10.487850	3.690825e-04	0.0024801967	0.010518037
## 2164	60	10.487517	10.454026	10.520877	2.827119e-04	0.0021706831	0.010245803
## 2165	60	10.525776	10.467903	10.558061	4.273271e-04	0.0026687298	0.010699496
## 2166	60	10.625452	10.554080	10.681893	2.352236e-03	0.0062613039	0.015518139
## 2167	60	10.740668	10.657982	10.860468	5.489550e-03	0.0095651713	0.021199908
## 2168	60	10.801177	10.771630	10.844988	5.061822e-04	0.0029045431	0.010944002
## 2169	60	10.969814	10.779456	11.046002	5.484534e-03	0.0095608005	0.021193612
## 2170	60	11.054160	11.012013	11.076145	2.368986e-04	0.0019870355	0.010109440
## 2171	60	11.070903	11.007776	11.124714	1.314010e-03	0.0046797608	0.013148536
## 2172	60	11.078784	11.008147	11.115228	1.064559e-03	0.0042122022	0.012510596
## 2173	60	11.190666	11.122977	11.247378	1.334455e-03	0.0047160273	0.013201369
## 2174	60	11.187918	11.168563	11.206944	1.328095e-04	0.0014877808	0.009768639
## 2175	60	11.243816	11.170086	11.381232	3.147905e-03	0.0072432781	0.017126054
## 2176	60	11.423586	11.386719	11.465286	6.283799e-04	0.0032362013	0.011315698
## 2177	60	11.424803	11.396500	11.512282	7.934818e-04	0.0036365775	0.011785411
## 2178	60	11.436146	11.393590	11.516264	1.358620e-03	0.0047585367	0.013265484
## 2179	60	11.570342	11.518550	11.595771	2.359409e-04	0.0019830150	0.010116992
## 2180	60	11.652589	11.591592	11.693732	5.839407e-04	0.0031196705	0.011190375
## 2181	60	11.782758	11.634567	11.893449	5.310418e-03	0.0094078145	0.020923127
## 2182	60	11.901109	11.849610	12.003681	1.877948e-03	0.0055945629	0.014499855
## 2183	60	11.987938	11.932834	12.029594	7.785684e-04	0.0036022410	0.011752982
## 2184	60	12.028947	12.014577	12.058085	7.841686e-05	0.0011432181	0.009602682
## 2185	60	12.118261	12.060000	12.143776	4.242509e-04	0.0026591067	0.010720791
## 2186	60	12.124383	12.078004	12.157232	5.498973e-04	0.0030273678	0.011098825
## 2187	60	12.192428	12.142586	12.226697	6.065277e-04	0.0031794332	0.011266234
## 2188	60	12.307541	12.224020	12.387541	2.881510e-03	0.0069300193	0.016620577

## 2189	60	12.398236	12.350319	12.451405	1.361707e-03	0.0047639400	0.013287764
## 2190	60	12.534049	12.450020	12.589040	1.589967e-03	0.0051477622	0.013841853
## 2191	60	12.714231	12.584919	12.768655	2.916210e-03	0.0069716211	0.016693682
## 2192	60	12.782958	12.726699	12.847155	1.231261e-03	0.0045300133	0.012968113
## 2193	60	12.904204	12.849830	12.986289	1.690343e-03	0.0053077655	0.014083600
## 2194	60	13.053434	12.990022	13.159481	3.046202e-03	0.0071253096	0.016952001
## 2195	60	13.194811	13.144164	13.284817	1.789708e-03	0.0054615449	0.014317521
## 2196	60	13.257131	13.222069	13.284778	3.597773e-04	0.0024487320	0.010544279
## 2197	60	13.309920	13.257329	13.367316	1.247844e-03	0.0045604160	0.013018345
## 2198	60	13.469161	13.366747	13.591847	5.073321e-03	0.0091953981	0.020554044
## 2199	60	13.638150	13.591906	13.710577	1.375706e-03	0.0047883650	0.013342017
## 2200	60	13.706292	13.645127	13.781793	1.739165e-03	0.0053838720	0.014208578
## 2201	60	13.813612	13.750903	13.861257	1.649968e-03	0.0052439928	0.014002332
## 2202	60	13.859532	13.821436	13.899416	5.212242e-04	0.0029473835	0.011046760
## 2203	60	13.928859	13.865713	13.962451	6.364314e-04	0.0032568683	0.011384878
## 2204	60	13.995397	13.917568	14.134323	4.876652e-03	0.0090154054	0.020234511
## 2205	60	14.225742	14.136239	14.262001	1.435792e-03	0.0048918161	0.013497506
## 2206	60	14.338725	14.254399	14.440006	3.249068e-03	0.0073587455	0.017355579
## 2207	60	14.520042	14.427949	14.614288	3.148162e-03	0.0072435744	0.017165942
## 2208	60	14.719304	14.619252	14.797883	3.109311e-03	0.0071987395	0.017093802
## 2209	60	14.944769	14.795577	15.070047	6.879131e-03	0.0107075757	0.023334045
## 2210	60	15.113450	15.055995	15.185938	1.630561e-03	0.0052130618	0.013976740
## 2211	60	15.207545	15.161525	15.270516	1.359679e-03	0.0047603904	0.013327188
## 2212	60	15.290030	15.268033	15.313229	1.955923e-04	0.0018055117	0.010062948
## 2213	60	15.343544	15.293055	15.441734	2.321225e-03	0.0062198938	0.015516691
## 2214	60	15.519373	15.445175	15.580432	1.388667e-03	0.0048108674	0.013403228
## 2215	60	15.647281	15.582738	15.738799	2.415640e-03	0.0063451295	0.015719010
## 2216	60	15.992776	15.741087	16.220232	2.095025e-02	0.0186861147	0.038585743
## 2217	60	16.370365	16.227484	16.425598	2.795250e-03	0.0068255039	0.016500972
## 2218	60	16.434436	16.373176	16.475618	1.353569e-03	0.0047496823	0.013331274
## 2219	60	16.611337	16.473957	16.706463	4.529507e-03	0.0086886008	0.019673297
## 2220	60	16.892496	16.702905	17.046513	1.212379e-02	0.0142148936	0.029955105
## 2221	60	17.049525	17.025626	17.089287	2.936164e-04	0.0022121497	0.010413742
## 2222	60	17.171714	17.083926	17.289329	4.139535e-03	0.0083061570	0.018999244
## 2223	60	17.333681	17.283109	17.384446	1.434545e-03	0.0048896919	0.013543316
## 2224	60	17.341972	17.289739	17.461825	2.705151e-03	0.0067145999	0.016334366
## 2225	60	17.384101	17.322697	17.470078	2.808866e-03	0.0068421074	0.016541438
## 2226	60	17.410629	17.324243	17.465384	2.035374e-03	0.0058243368	0.014928925
## 2227	60	17.397226	17.351997	17.443733	9.689321e-04	0.0040185655	0.012365292
## 2228	60	17.520172	17.425932	17.592780	1.724128e-03	0.0053605472	0.014230530
## 2229	60	17.537246	17.494764	17.612419	8.518362e-04	0.0037679265	0.012053642
## 2230	60	17.684186	17.618524	17.734247	2.274140e-03	0.0061564866	0.015448346
## 2231	60	17.740114	17.695672	17.808172	8.517411e-04	0.0037677161	0.012056845
## 2232	60	18.078945	17.816954	18.299217	2.437129e-02	0.0201541084	0.041461364
## 2233	60	18.258449	18.145381	18.342240	3.819320e-03	0.0079784297	0.018446717
## 2234	60	18.350837	18.105686	18.565093	2.768693e-02	0.0214813583	0.044061542
## 2235	60	18.241383	18.181240	18.344646	1.314718e-03	0.0046810217	0.013265361
## 2236	60	18.264494	18.161364	18.464387	8.817963e-03	0.0121229552	0.026000652
## 2237	60	18.660346	18.467439	18.877528	1.593479e-02	0.0162966213	0.033965359
## 2238	60	18.711552	18.585562	18.867235	6.982686e-03	0.0107878679	0.023514434
## 2239	60	18.618990	18.581022	18.709713	1.548464e-03	0.0050801310	0.013836932
## 2240	60	18.731852	18.680793	18.770587	8.614114e-04	0.0037890443	0.012100132
## 2241	60	18.777659	18.722003	18.839878	9.849996e-04	0.0040517477	0.012431845
## 2242	60	18.932718	18.845221	19.045525	2.795180e-03	0.0068254184	0.016534644

## 2243	60	19.005604	18.903418	19.121163	4.096463e-03	0.0082628318	0.018941927
## 2244	60	19.133933	19.001985	19.198992	3.043032e-03	0.0071216004	0.017021174
## 2245	60	19.066286	18.976761	19.241245	5.628910e-03	0.0096858226	0.021495382
## 2246	60	19.306190	19.236900	19.362153	1.537165e-03	0.0050615619	0.013820242
## 2247	60	19.427684	19.296807	19.531566	5.195115e-03	0.0093051197	0.020807920
## 2248	60	19.415376	19.379689	19.496297	7.660841e-04	0.0035732434	0.011852026
## 2249	60	19.557442	19.421141	19.632481	2.827420e-03	0.0068646679	0.016606067
## 2250	60	19.617403	19.500389	19.762370	6.611415e-03	0.0104971544	0.022985444
## 2251	60	19.437558	19.362232	19.523267	2.129586e-03	0.0059576081	0.015163562
## 2252	60	19.654490	19.507218	19.713907	3.162203e-03	0.0072597101	0.017255714
## 2253	60	19.907669	19.576016	20.386454	7.893365e-02	0.0362706619	0.073328303
## 2254	60	20.353942	20.261142	20.438373	2.161153e-03	0.0060016013	0.015244619
## 2255	60	20.323478	20.254642	20.392189	1.006297e-03	0.0040953170	0.012514592
## 2256	60	20.223520	20.139652	20.307734	2.497251e-03	0.0064514220	0.015949656
## 2257	60	20.262018	20.146074	20.482697	6.121748e-03	0.0101009475	0.022264179
## 2258	60	20.921507	20.504878	21.130490	2.563842e-02	0.0206714041	0.042487000
## 2259	60	20.869812	20.747262	20.970005	3.645938e-03	0.0077952319	0.018166897
## 2260	60	20.824853	20.714057	20.904937	2.604137e-03	0.0065880404	0.016175951
## 2261	60	20.767480	20.619352	20.903667	8.422479e-03	0.0118479806	0.025504040
## 2262	60	20.629484	20.251940	20.831199	3.128209e-02	0.0228334864	0.046726222
## 2263	60	20.440863	20.197363	20.640321	2.157935e-02	0.0189645930	0.039151333
## 2264	60	20.582622	20.464901	20.651912	3.353755e-03	0.0074763575	0.017627544
## 2265	60	20.603886	20.533796	20.707575	2.876732e-03	0.0069242712	0.016717044
## 2266	60	20.824608	20.663445	20.951991	4.603753e-03	0.0087595213	0.019841688
## 2267	60	20.627105	20.563163	20.751648	2.692037e-03	0.0066983041	0.016351202
## 2268	60	20.968958	20.583230	21.117077	1.826796e-02	0.0174489559	0.036207815
## 2269	60	21.024171	20.837603	21.303695	2.738552e-02	0.0213641131	0.043844437
## 2270	60	21.155929	21.040104	21.282722	5.601321e-03	0.0096620572	0.021470936
## 2271	60	21.089972	20.940085	21.244930	8.258926e-03	0.0117323812	0.025290517
## 2272	60	21.479373	21.204217	21.762374	3.473461e-02	0.0240605512	0.049144162
## 2273	60	21.320800	21.030900	21.713977	4.939200e-02	0.0286914612	0.058288747
## 2274	60	20.859759	20.588183	21.034935	2.301615e-02	0.0195857744	0.040364760
## 2275	60	20.503678	20.401783	20.686156	4.845292e-03	0.0089863712	0.020245095
## 2276	60	20.841066	20.706792	21.149075	8.705164e-03	0.0120451676	0.025875395
## 2277	60	21.267570	21.134977	21.528161	1.305568e-02	0.0147510878	0.031010110
## 2278	60	21.563027	21.495669	21.655869	1.642436e-03	0.0052320109	0.014103002
## 2279	60	21.324868	21.089938	21.557711	1.737099e-02	0.0170151827	0.035370069
## 2280	60	20.820133	20.623581	21.088078	1.940174e-02	0.0179822767	0.037242616
## 2281	60	20.635737	20.511573	20.768427	5.881769e-03	0.0099009841	0.021901278
## 2282	60	21.125503	20.774144	21.699013	8.235579e-02	0.0370485703	0.074879540
## 2283	60	21.967533	21.632425	22.265754	4.874621e-02	0.0285032767	0.057918234
## 2284	60	21.921047	21.785152	22.091011	9.747498e-03	0.0127459128	0.027200913
## 2285	60	21.894026	21.695684	22.100002	1.483486e-02	0.0157241094	0.032881493
## 2286	60	21.901998	21.759514	22.080729	1.107950e-02	0.0135889078	0.028797142
## 2287	60	21.761299	21.638440	21.858929	2.415930e-03	0.0063455105	0.015802759
## 2288	60	21.494721	21.290086	21.702402	2.032950e-02	0.0184071996	0.038071872
## 2289	60	21.818867	21.665308	21.923663	7.501065e-03	0.0111811335	0.024268883
## 2290	60	21.971453	21.779627	22.133221	1.567587e-02	0.0161636789	0.033728437
## 2291	60	21.851606	21.710216	22.117142	1.143730e-02	0.0138065821	0.029211252
## 2292	60	22.509106	22.153475	22.649843	1.490334e-02	0.0157603626	0.032954678
## 2293	60	22.492488	22.388849	22.649473	4.929512e-03	0.0090641345	0.020403720
## 2294	60	22.436684	22.329808	22.537161	3.619277e-03	0.0077666780	0.018137433
## 2295	60	22.384944	22.136885	22.584373	1.858900e-02	0.0176016089	0.036512097
## 2296	60	21.952229	21.613273	22.314529	4.810503e-02	0.0283151980	0.057546209

## 2297	60	22.363378	22.203542	22.637033	1.536012e-02	0.0160000638	0.033416152
## 2298	60	22.843263	22.504328	23.118994	4.707913e-02	0.0280116442	0.056948560
## 2299	60	23.113177	22.953512	23.284345	8.488188e-03	0.0118941075	0.025609175
## 2300	60	22.823529	22.735241	23.099381	8.176572e-03	0.0116737400	0.025195792
## 2301	60	23.057161	22.946029	23.179322	2.887237e-03	0.0069369024	0.016769651
## 2302	60	22.934844	22.487050	23.186590	3.478960e-02	0.0240795897	0.049187644
## 2303	60	22.564489	22.458762	22.672766	2.841420e-03	0.0068816423	0.016673174
## 2304	60	22.816679	22.573502	23.045088	2.007797e-02	0.0182929704	0.037857043
## 2305	60	22.800544	22.556419	23.363076	4.403017e-02	0.0270894120	0.055126024
## 2306	60	23.044653	22.686596	23.440065	4.798686e-02	0.0282803986	0.057481418
## 2307	60	22.999535	22.732498	23.411476	4.971687e-02	0.0287856634	0.058481254
## 2308	60	23.320091	22.863368	23.487192	3.270942e-02	0.0233485963	0.047750532
## 2309	60	23.370261	22.852673	23.721151	6.440451e-02	0.0327629142	0.066367352
## 2310	60	23.418485	23.169622	23.615251	9.339188e-03	0.0124761028	0.026703956
## 2311	60	23.485614	23.276527	23.655130	1.429732e-02	0.0154366000	0.032338509
## 2312	60	23.435904	23.259050	23.737554	1.840399e-02	0.0175137987	0.036348368
## 2313	60	23.807064	23.644548	23.951010	8.467984e-03	0.0118799440	0.025587966
## 2314	60	23.759221	23.616289	23.964671	1.293640e-02	0.0146835518	0.030896979
## 2315	60	23.464811	23.251093	23.805497	3.815978e-02	0.0252189673	0.051435230
## 2316	60	23.612864	23.326924	23.926316	2.899263e-02	0.0219820500	0.045068289
## 2317	60	23.387924	23.303255	23.618485	5.821499e-03	0.0098501262	0.021834542
## 2318	60	23.858499	23.611391	24.285079	4.310697e-02	0.0268039096	0.054565405
## 2319	60	24.015722	23.637690	24.270165	2.597521e-02	0.0208067342	0.042767047
## 2320	60	23.588821	23.434658	24.067211	3.018804e-02	0.0224306483	0.045949336
## 2321	60	24.225184	24.091317	24.359443	4.176280e-03	0.0083429406	0.019139064
## 2322	60	24.212518	23.759795	24.773689	1.226662e-01	0.0452154384	0.091158883
## 2323	60	23.695288	23.456487	23.977587	2.766992e-02	0.0214747614	0.044073859
## 2324	60	23.992335	23.750173	24.299545	2.149611e-02	0.0189279828	0.039099289
## 2325	60	24.168243	23.618680	24.834127	1.899767e-01	0.0562696908	0.113231050
## 2326	60	24.596212	24.323576	24.846281	1.047736e-02	0.0132144876	0.028106923
## 2327	60	24.191088	23.831327	24.479774	3.979918e-02	0.0257549939	0.052495246
## 2328	60	23.732150	23.629085	24.084497	1.507539e-02	0.0158510731	0.033138189
## 2329	60	24.262960	24.090143	24.583095	2.398600e-02	0.0199941652	0.041180064
## 2330	60	23.968271	23.661970	24.191256	2.300110e-02	0.0195793666	0.040368389
## 2331	60	23.933737	23.814610	24.036284	4.144688e-03	0.0083113259	0.019081136
## 2332	60	23.875662	23.678019	24.070445	1.004151e-02	0.0129367089	0.027575882
## 2333	60	24.219482	24.050082	24.567785	2.170452e-02	0.0190195148	0.039278977
## 2334	60	25.060822	24.570079	25.314484	3.328182e-02	0.0235520071	0.048158534
## 2335	60	24.588781	24.264930	25.016697	4.433536e-02	0.0271831334	0.055317492
## 2336	60	25.089803	24.442631	25.418595	6.504996e-02	0.0329266753	0.066697804
## 2337	60	24.096715	23.892257	24.409348	1.565190e-02	0.0161513133	0.033718486
## 2338	60	24.274472	23.847181	24.757969	9.325250e-02	0.0394234488	0.079615028
## 2339	60	24.518877	24.257837	24.772630	2.722357e-02	0.0213008506	0.043736884
## 2340	60	24.749202	24.329788	25.029147	3.872852e-02	0.0254062074	0.051809420
## 2341	60	24.426823	24.027229	25.185301	1.425456e-01	0.0487417662	0.098196142
## 2342	60	25.640101	25.209415	26.091668	6.848861e-02	0.0337857491	0.068405798
## 2343	60	25.439826	25.025031	25.895077	7.203199e-02	0.0346487113	0.070119623
## 2344	60	25.162938	25.018912	25.348247	6.215274e-03	0.0101778140	0.022448447
## 2345	60	25.291567	25.049419	25.523965	2.423154e-02	0.0200962415	0.041384182
## 2346	60	25.268917	24.815208	25.750556	8.456410e-02	0.0375419980	0.075872567
## 2347	60	24.682573	24.432652	24.963119	2.927386e-02	0.0220884069	0.045281727
## 2348	60	25.545706	24.491967	26.596431	4.752552e-01	0.0889995529	0.178723055
## 2349	60	25.865132	25.209613	26.559931	2.092407e-01	0.0590537473	0.118798625
## 2350	60	25.224931	25.022345	25.468063	1.939252e-02	0.0179780066	0.037258597

## 2351	60	25.533174	25.204142	25.941415	6.230204e-02	0.0322237065	0.065304206
## 2352	60	25.654795	25.371226	25.909353	2.210870e-02	0.0191957897	0.039629470
## 2353	60	25.555907	25.414185	25.664925	3.431551e-03	0.0075625736	0.017833116
## 2354	60	25.302852	25.037480	25.516122	2.157551e-02	0.0189629047	0.039173761
## 2355	60	25.596722	25.318308	25.791147	1.900437e-02	0.0177971746	0.036909511
## 2356	60	25.322493	25.169500	25.543944	7.534829e-03	0.0112062698	0.024345699
## 2357	60	25.107264	24.780277	25.556571	6.596832e-02	0.0331582872	0.067158080
## 2358	60	25.091549	24.798468	25.381853	2.753124e-02	0.0214208788	0.043974926
## 2359	60	25.054672	24.674873	25.449300	5.085774e-02	0.0291140689	0.059138630
## 2360	60	25.509622	24.716468	26.047172	1.386180e-01	0.0480655853	0.096848396
## 2361	60	25.651606	25.413537	25.808835	9.952839e-03	0.0128794662	0.027480747
## 2362	60	25.213844	24.953573	25.591140	3.591177e-02	0.0244648633	0.049956451
## 2363	60	25.366188	25.184458	25.560691	9.053976e-03	0.0122841200	0.026358090
## 2364	60	25.661567	25.182536	25.985792	6.687791e-02	0.0333861018	0.067611779
## 2365	60	25.321151	24.719410	25.976811	2.049866e-01	0.0584503461	0.117591438
## 2366	60	25.836889	25.049242	26.125735	1.127609e-01	0.0433514499	0.087445044
## 2367	60	25.887306	25.639159	26.267994	3.231446e-02	0.0232072026	0.047484738
## 2368	60	26.177782	26.029642	26.405065	1.786000e-02	0.0172530170	0.035858557
## 2369	60	25.700371	25.451711	26.040289	2.538799e-02	0.0205702006	0.042313041
## 2370	60	25.664178	25.240039	25.839855	2.185373e-02	0.0190847788	0.039412836
## 2371	60	25.820477	25.018424	26.731063	4.135744e-01	0.0830235326	0.166757384
## 2372	60	27.149225	26.745244	27.552448	3.788271e-02	0.0251272471	0.051269718
## 2373	60	26.625940	25.988968	27.599613	2.416897e-01	0.0634677951	0.127625817
## 2374	60	26.300369	25.882056	26.949714	1.020604e-01	0.0412432616	0.083245468
## 2375	60	26.806489	26.073863	27.206810	1.242162e-01	0.0455002212	0.091732534
## 2376	60	26.121536	25.953572	26.399181	1.412249e-02	0.0153419306	0.032174348
## 2377	60	26.392533	26.054996	26.876490	7.096339e-02	0.0343907429	0.069610016
## 2378	60	26.548498	26.179920	26.870093	4.305705e-02	0.0267883833	0.054544682
## 2379	60	26.518556	26.144795	26.982748	6.096786e-02	0.0318768106	0.064619321
## 2380	60	26.649754	26.287803	26.941337	2.954156e-02	0.0221891722	0.045488560
## 2381	60	25.402225	24.805545	26.304571	2.715800e-01	0.0672780240	0.135244614
## 2382	60	25.909510	25.119095	26.632698	2.010514e-01	0.0578865811	0.116465783
## 2383	60	26.505260	26.340344	26.628089	5.675448e-03	0.0097257800	0.021636345
## 2384	60	26.207484	25.634394	26.687833	1.743164e-01	0.0539005877	0.108501003
## 2385	60	26.491643	25.781481	26.939749	1.117622e-01	0.0431590403	0.087063441
## 2386	60	26.460468	26.225300	26.873940	3.171474e-02	0.0229908454	0.047062247
## 2387	60	26.641604	26.252599	27.031316	4.955200e-02	0.0287378970	0.058399708
## 2388	60	26.464262	26.210651	26.934079	4.688577e-02	0.0279540591	0.056848718
## 2389	60	26.480184	26.125832	26.702484	1.734202e-02	0.0170009891	0.035372693
## 2390	60	25.953932	25.532572	26.282174	6.145094e-02	0.0320028483	0.064867084
## 2391	60	26.794810	25.809717	27.515032	3.354097e-01	0.0747673784	0.150231849
## 2392	60	26.873780	26.215514	27.619075	2.760004e-01	0.0678233539	0.136337571
## 2393	60	26.249287	25.953081	26.518094	3.632560e-02	0.0246054205	0.050237191
## 2394	60	26.356988	26.085708	26.663314	2.023476e-02	0.0183642600	0.038015426
## 2395	60	27.354571	26.670965	27.952688	1.236584e-01	0.0453979404	0.091530256
## 2396	60	27.993869	27.743643	28.202601	2.213572e-02	0.0192075147	0.039664457
## 2397	60	27.835185	27.302348	28.093123	5.998764e-02	0.0316195204	0.064112623
## 2398	60	27.050628	26.784554	27.249890	2.387628e-02	0.0199483831	0.041104231
## 2399	60	26.783474	26.524606	27.043596	2.521532e-02	0.0205001297	0.042181027
## 2400	60	27.175413	26.931295	27.500063	2.991164e-02	0.0223277274	0.045763004
## 2401	60	26.878090	26.606375	27.229193	4.368540e-02	0.0269831438	0.054930783
## 2402	60	26.938419	26.681282	27.249046	2.082572e-02	0.0186304930	0.038536210
## 2403	60	27.209648	27.007286	27.454077	1.919856e-02	0.0178878713	0.037094855
## 2404	60	26.272944	25.799873	27.035261	1.917475e-01	0.0565313309	0.113758002

## 2405	60	26.231184	25.997479	26.428404	1.876353e-02	0.0176840450	0.036693728
## 2406	60	27.124385	26.396808	27.486213	1.445423e-01	0.0490819518	0.098880122
## 2407	60	26.621274	25.884095	27.269607	1.384309e-01	0.0480331241	0.096786285
## 2408	60	26.454661	25.891744	26.894457	1.333570e-01	0.0471446283	0.095012425
## 2409	60	27.153760	26.740675	27.655726	1.264051e-01	0.0458993624	0.092529739
## 2410	60	27.952487	27.396986	28.510974	1.378121e-01	0.0479256512	0.096574537
## 2411	60	27.097070	26.701505	27.988517	1.586037e-01	0.0514139644	0.103537063
## 2412	60	26.681150	26.510230	26.859462	8.508237e-03	0.0119081466	0.025663932
## 2413	60	26.940960	26.598884	27.322651	5.591862e-02	0.0305282988	0.061946554
## 2414	60	26.952059	26.473258	27.375504	9.901729e-02	0.0406237384	0.082012381
## 2415	60	26.466166	26.243677	26.817527	2.011230e-02	0.0183086063	0.037908135
## 2416	60	26.688281	26.546789	26.781944	6.130113e-03	0.0101078458	0.022333519
## 2417	60	27.069733	26.627245	27.267133	2.771000e-02	0.0214903060	0.044119928
## 2418	60	27.846708	27.322672	28.320617	1.036482e-01	0.0415628506	0.083885706
## 2419	60	28.421304	28.304386	28.605862	9.143581e-03	0.0123447568	0.026495700
## 2420	60	28.062414	27.743309	28.426743	4.969035e-02	0.0287779870	0.058484103
## 2421	60	27.305703	26.699975	28.023503	2.179432e-01	0.0602692824	0.121231155
## 2422	60	26.926903	26.451664	27.288576	7.817487e-02	0.0360959064	0.073000470
## 2423	60	27.094736	26.447448	28.033040	1.921011e-01	0.0565834386	0.113863996
## 2424	60	27.987949	27.484212	28.370481	3.545449e-02	0.0243086030	0.049660522
## 2425	60	27.032890	26.762585	27.441325	3.148166e-02	0.0229062064	0.046898511
## 2426	60	27.144623	26.730613	27.446640	4.588695e-02	0.0276547016	0.056258743
## 2427	60	27.557354	27.356357	27.842002	1.604348e-02	0.0163521064	0.034126622
## 2428	60	27.688098	27.502771	27.828287	8.382363e-03	0.0118197313	0.025506533
## 2429	60	27.338086	27.069470	27.629259	3.412990e-02	0.0238501918	0.048755159
## 2430	60	26.822360	26.576209	27.039989	2.087636e-02	0.0186531337	0.038579107
## 2431	60	27.000345	26.743028	27.401753	3.970428e-02	0.0257242693	0.052446333
## 2432	60	27.068826	26.819468	27.263425	1.990091e-02	0.0182121350	0.037723207
## 2433	60	27.802199	26.951853	28.465797	2.742916e-01	0.0676130660	0.135918227
## 2434	60	27.790221	27.448407	28.426822	1.054603e-01	0.0419246009	0.084606788
## 2435	60	27.269010	26.824430	27.535298	4.925345e-02	0.0286511934	0.058229962
## 2436	60	26.883777	26.619674	27.377525	6.249858e-02	0.0322744958	0.065409630
## 2437	60	27.692811	27.262268	28.278346	8.014091e-02	0.0365469821	0.073900341
## 2438	60	27.707976	27.206183	28.284998	1.211121e-01	0.0449281102	0.090593993
## 2439	60	27.949697	27.194843	28.393617	1.445685e-01	0.0490864016	0.098890957
## 2440	60	27.240629	26.697502	28.654123	3.246756e-01	0.0735612726	0.147819758
## 2441	60	28.446989	28.140669	28.833370	4.025689e-02	0.0259026658	0.052804024
## 2442	60	28.899527	28.502771	29.284408	8.454151e-02	0.0375369831	0.075872473
## 2443	60	28.569694	27.661944	29.408018	4.248148e-01	0.0841442035	0.169004495
## 2444	60	27.345826	27.118768	27.642402	3.008892e-02	0.0223937954	0.045893314
## 2445	60	27.711735	27.163104	28.157153	8.869386e-02	0.0384477693	0.077681757
## 2446	60	27.316261	27.151096	27.582700	1.777351e-02	0.0172111940	0.035784493
## 2447	60	28.173636	27.421746	28.588141	8.174530e-02	0.0369109963	0.074625222
## 2448	60	28.301993	27.581013	28.785755	1.761194e-01	0.0541786177	0.109060525
## 2449	60	26.968607	26.551594	27.538870	1.222010e-01	0.0451296221	0.090994134
## 2450	60	26.661688	26.506130	26.990829	1.992375e-02	0.0182225834	0.037741985
## 2451	60	27.058303	26.596511	27.321319	5.804824e-02	0.0311041909	0.063088136
## 2452	60	26.614050	26.218691	27.137227	1.039176e-01	0.0416168252	0.083990255
## 2453	60	27.193582	26.478476	27.649369	9.533125e-02	0.0398604336	0.080492844
## 2454	60	27.921374	27.470694	28.330172	8.420739e-02	0.0374627346	0.075722067
## 2455	60	27.423687	27.229998	27.492804	4.706576e-03	0.0088568019	0.020080399
## 2456	60	26.941431	26.655959	27.222719	2.946386e-02	0.0221599723	0.045432577
## 2457	60	26.561031	26.514192	26.649820	1.116546e-03	0.0043138260	0.012906610
## 2458	60	26.652668	26.483459	26.812544	1.066828e-02	0.0133343414	0.028348238



## 2459	60	26.745665	26.656057	26.852479	3.932523e-03	0.0080958043	0.018745943
## 2460	60	27.215046	26.894613	27.453018	1.385423e-02	0.0151955202	0.031900386
## 2461	60	27.709991	27.411483	27.871336	2.077708e-02	0.0186087240	0.038497274
## 2462	60	27.517886	27.351196	27.712487	1.193820e-02	0.0141056747	0.029819614
## 2463	60	27.653594	27.386353	27.950549	4.139156e-02	0.0262651720	0.053515839
## 2464	60	26.894096	26.555440	27.519800	7.470269e-02	0.0352851932	0.071389417
## 2465	60	27.609515	27.029316	27.901318	6.852630e-02	0.0337950445	0.068429857
## 2466	60	27.051042	26.912464	27.553291	2.812888e-02	0.0216521289	0.044438371
## 2467	60	27.152284	27.003443	27.316354	8.812757e-03	0.0121193761	0.026062904
## 2468	60	27.239449	27.045795	27.492274	2.442942e-02	0.0201781303	0.041554085
## 2469	60	27.454770	27.144251	28.025800	7.652825e-02	0.0357137341	0.072242781
## 2470	60	27.465790	26.430031	28.324423	4.529560e-01	0.0868865186	0.174493931
## 2471	60	26.682906	26.330282	27.191313	9.845501e-02	0.0405082318	0.081781826
## 2472	60	26.833758	26.482183	27.252597	7.815299e-02	0.0360908552	0.072990322
## 2473	60	26.545062	26.413085	26.641583	5.112887e-03	0.0092311852	0.020742694
## 2474	60	27.244725	26.492225	28.022482	2.722726e-01	0.0673637647	0.135418826
## 2475	60	27.728252	27.462082	28.044891	2.828093e-02	0.0217105705	0.044555237
## 2476	60	27.800205	27.535260	28.009630	1.186099e-02	0.0140599845	0.029734705
## 2477	60	27.435118	26.983984	27.893274	8.103428e-02	0.0367501193	0.074303249
## 2478	60	27.624775	27.540223	27.743564	2.143675e-03	0.0059772838	0.015311746
## 2479	60	27.112617	26.845692	27.606950	6.608051e-02	0.0331864702	0.067220481
## 2480	60	26.591417	26.335814	26.851813	2.746785e-02	0.0213962046	0.043933600
## 2481	60	27.205265	26.578209	27.969797	1.348993e-01	0.0474164688	0.095557252
## 2482	60	28.389058	27.991616	28.623604	2.963572e-02	0.0222245063	0.045565684
## 2483	60	28.426750	28.192907	28.661402	2.008809e-02	0.0182975808	0.037896946
## 2484	60	28.772690	28.370794	29.055555	3.271687e-02	0.0233512557	0.047780255
## 2485	60	27.745144	27.365833	28.338984	1.034869e-01	0.0415304866	0.083821268
## 2486	60	27.441484	27.266858	27.696811	2.461093e-02	0.0202529541	0.041701278
## 2487	60	27.681306	27.433770	27.818026	7.625254e-03	0.0112733122	0.024489189
## 2488	60	28.002751	27.766030	28.212609	1.660425e-02	0.0166354314	0.034675461
## 2489	60	27.636763	27.437537	27.843710	1.878234e-02	0.0176929082	0.036718992
## 2490	60	27.994859	27.811550	28.327150	1.813438e-02	0.0173850430	0.036125347
## 2491	60	28.136294	27.847889	28.341397	3.409356e-02	0.0238374925	0.048733267
## 2492	60	28.060940	27.835920	28.234605	1.135660e-02	0.0137577833	0.029161671
## 2493	60	28.054995	27.738130	28.326522	3.136461e-02	0.0228635862	0.046818788
## 2494	60	27.675930	27.334775	28.019853	4.925612e-02	0.0286519681	0.058233259
## 2495	60	27.282210	27.137640	27.506399	1.611958e-02	0.0163908421	0.034199255
## 2496	60	27.543974	27.406304	27.996071	2.533348e-02	0.0205481050	0.042279563
## 2497	60	28.326546	28.015221	28.572439	2.527880e-02	0.0205259172	0.042239074
## 2498	60	28.231013	28.086942	28.390675	1.021554e-02	0.0130483308	0.027818923
## 2499	60	28.092353	27.812905	28.240611	8.931688e-03	0.0122008796	0.026222951
## 2500	60	27.261940	26.959209	27.789145	4.894735e-02	0.0285620238	0.058054451
## 2501	60	26.828466	26.561656	26.951383	1.501727e-02	0.0158204889	0.033097303
## 2502	60	26.594677	26.552576	26.637482	6.732551e-04	0.0033497640	0.011725757
## 2503	60	26.529582	26.410576	26.730986	7.927460e-03	0.0114945350	0.024891290
## 2504	60	27.300552	26.752425	28.074168	1.817063e-01	0.0550312532	0.110762563
## 2505	60	27.840724	27.490824	28.078445	2.590543e-02	0.0207787659	0.042731002
## 2506	60	27.829009	27.373622	28.252836	8.794845e-02	0.0382858666	0.077359789
## 2507	60	27.957269	27.557352	28.385826	1.026027e-01	0.0413526991	0.083467166
## 2508	60	28.703936	28.141199	29.261481	1.755556e-01	0.0540918337	0.108888093
## 2509	60	28.986249	28.327505	29.273062	8.231276e-02	0.0370388901	0.074881570
## 2510	60	27.783957	27.386607	28.316475	1.260525e-01	0.0458353091	0.092403489
## 2511	60	27.488184	27.426238	27.546621	1.561937e-03	0.0051021834	0.014007054
## 2512	60	27.307028	27.063664	27.530945	2.461077e-02	0.0202528891	0.041700313

## 2513	60	27.250327	27.020312	27.513934	2.740948e-02	0.0213734556	0.043892216
## 2514	60	27.064477	26.913151	27.221484	9.758449e-03	0.0127530709	0.027253008
## 2515	60	27.628977	26.975294	28.049286	1.058991e-01	0.0420117327	0.084779468
## 2516	60	27.539457	27.351590	27.871573	2.436053e-02	0.0201496626	0.041500410
## 2517	60	27.845853	27.714056	28.009944	8.974177e-03	0.0122298655	0.026275474
## 2518	60	27.745688	27.513816	27.994265	2.512748e-02	0.0204643925	0.042115925
## 2519	60	27.472716	27.149155	27.729221	2.594732e-02	0.0207955595	0.042762125
## 2520	60	27.216137	27.104271	27.366342	5.800211e-03	0.0098321001	0.021836379
## 2521	60	27.736271	27.375152	28.325462	1.164672e-01	0.0440581399	0.088859294
## 2522	60	28.095638	27.766424	28.442816	4.874569e-02	0.0285031244	0.057940312
## 2523	60	27.847704	27.520388	28.522631	9.132245e-02	0.0390133425	0.078808552
## 2524	60	28.789061	28.546631	29.380240	4.607847e-02	0.0277123537	0.056380003
## 2525	60	28.920720	28.400663	29.384068	7.283404e-02	0.0348410779	0.070512403
## 2526	60	28.746440	28.349070	29.013648	6.393064e-02	0.0326421606	0.066144523
## 2527	60	29.395213	28.901731	29.804103	8.851247e-02	0.0384084349	0.077608000
## 2528	60	29.744560	29.433714	30.111034	4.914852e-02	0.0286206559	0.058178961
## 2529	60	30.282454	30.030535	30.627166	2.766650e-02	0.0214734329	0.044103031
## 2530	60	29.303516	28.636869	30.285215	3.193505e-01	0.0729555260	0.146609960
## 2531	60	28.587698	28.387123	28.758337	9.904194e-03	0.0128479534	0.027443537
## 2532	60	28.982656	28.392362	29.668581	1.542911e-01	0.0507101378	0.102135191
## 2533	60	29.541963	29.005856	29.957104	1.502659e-01	0.0500442955	0.100806465
## 2534	60	28.822752	28.549793	29.073729	1.625147e-02	0.0164577603	0.034337913
## 2535	60	28.584875	28.447997	28.732803	7.737114e-03	0.0113556991	0.024649813
## 2536	60	28.791343	28.590104	29.021459	2.182567e-02	0.0190725229	0.039405942
## 2537	60	28.745330	28.360925	29.041776	6.218403e-02	0.0321931745	0.065253692
## 2538	60	28.494868	28.384630	28.747993	7.648641e-03	0.0112905869	0.024529070
## 2539	60	29.246579	28.710664	29.855384	1.928093e-01	0.0566876373	0.114075638
## 2540	60	29.115003	28.420464	29.617146	1.582915e-01	0.0513633322	0.103439320
## 2541	60	28.019498	27.798288	28.405902	3.401537e-02	0.0238101422	0.048679744
## 2542	60	28.311044	28.232879	28.501299	2.710708e-03	0.0067214930	0.016492014
## 2543	60	28.794194	28.541903	28.936353	1.091077e-02	0.0134850325	0.028649241
## 2544	60	29.036765	28.469370	29.437620	8.020627e-02	0.0365618803	0.073933315
## 2545	60	28.229392	27.917408	28.642601	5.855879e-02	0.0312406748	0.063363185
## 2546	60	28.387138	28.084273	28.707722	3.788422e-02	0.0251277484	0.051275481
## 2547	60	29.584540	28.726130	30.236148	3.108424e-01	0.0719771242	0.144652090
## 2548	60	29.391021	28.983775	30.064363	9.149990e-02	0.0390512275	0.078888150
## 2549	60	29.257709	29.129182	29.519265	1.406367e-02	0.0153099502	0.032133310
## 2550	60	29.247443	29.142331	29.417499	5.587774e-03	0.0096503660	0.021525917
## 2551	60	29.705826	29.203181	30.037445	7.224746e-02	0.0347004957	0.070235061
## 2552	60	29.100946	28.974176	29.299208	9.892486e-03	0.0128403568	0.027433325
## 2553	60	30.150670	29.240459	30.878594	2.787591e-01	0.0681614675	0.137019060
## 2554	60	29.691775	28.961084	30.761566	2.774678e-01	0.0680034009	0.136702674
## 2555	60	29.260351	28.849150	29.608274	8.158205e-02	0.0368741225	0.074554801
## 2556	60	29.648684	29.509114	29.810091	8.523087e-03	0.0119185338	0.025707124
## 2557	60	29.676741	29.339765	30.096759	4.971933e-02	0.0287863784	0.058506796
## 2558	60	30.480084	30.099842	30.851826	5.062172e-02	0.0290464348	0.059024167
## 2559	60	29.557553	29.145452	30.445228	1.384694e-01	0.0480398103	0.096806637
## 2560	60	30.018557	29.409412	30.410336	8.503012e-02	0.0376453014	0.076091151
## 2561	60	30.583350	30.361108	30.887804	2.922132e-02	0.0220685761	0.045270484
## 2562	60	30.428684	29.739864	30.777966	7.766389e-02	0.0359777465	0.072775759
## 2563	60	29.267208	29.020165	29.693495	2.166002e-02	0.0190000074	0.039268398
## 2564	60	28.783623	28.331448	28.993726	3.354622e-02	0.0236453734	0.048358239
## 2565	60	28.421209	28.260861	28.637068	7.029171e-03	0.0108237173	0.023664301
## 2566	60	28.988497	28.652767	29.753961	8.661483e-02	0.0379944804	0.076784075

## 2567	60	30.131551	29.716247	30.850215	1.602086e-01	0.0516734270	0.104061084
## 2568	60	30.918852	30.643405	31.154708	2.312336e-02	0.0196313371	0.040506007
## 2569	60	30.913780	30.756972	31.050045	4.614343e-03	0.0087695901	0.019961062
## 2570	60	30.613989	30.357808	30.861116	3.017131e-02	0.0224244324	0.045968324
## 2571	60	30.359750	29.923295	30.713257	5.657781e-02	0.0307077107	0.062313749
## 2572	60	29.906230	29.790457	30.035363	4.766947e-03	0.0089134236	0.020206959
## 2573	60	29.761489	28.799631	30.344397	2.512053e-01	0.0647051417	0.130104888
## 2574	60	28.848187	28.623133	29.172953	4.060150e-02	0.0260132974	0.053023658
## 2575	60	29.084603	28.736690	29.779444	7.736652e-02	0.0359088007	0.072635745
## 2576	60	29.759199	29.619678	30.021108	1.804382e-02	0.0173415774	0.036051122
## 2577	60	30.553713	30.007621	30.781049	4.694381e-02	0.0279713580	0.056897319
## 2578	60	30.394115	29.938784	30.866635	7.258319e-02	0.0347810276	0.070397596
## 2579	60	31.042385	30.657212	31.368876	4.172873e-02	0.0263719332	0.053740152
## 2580	60	30.820370	30.484090	31.259022	6.909857e-02	0.0339358636	0.068719990
## 2581	60	30.742894	30.026765	31.407728	2.205489e-01	0.0606285062	0.121955272
## 2582	60	30.106614	29.783566	30.411574	4.274990e-02	0.0266926633	0.054369477
## 2583	60	30.382770	29.999334	30.744068	5.325614e-02	0.0297926549	0.060501074
## 2584	60	30.428528	29.784685	30.749371	9.444362e-02	0.0396744284	0.080130713
## 2585	60	29.553442	29.275928	30.178204	6.491995e-02	0.0328937558	0.066647610
## 2586	60	30.643394	30.224582	30.895993	2.904169e-02	0.0220006394	0.045137328
## 2587	60	30.832746	30.535402	31.211372	4.934218e-02	0.0286769880	0.058294458
## 2588	60	30.936611	30.252542	31.284084	1.273062e-01	0.0460626673	0.092863871
## 2589	60	29.658818	29.490858	30.211151	3.477852e-02	0.0240757541	0.049210160
## 2590	60	29.520127	29.374095	29.785470	1.763653e-02	0.0171447393	0.035668929
## 2591	60	30.014218	29.627866	30.515607	7.371888e-02	0.0350520755	0.070935103
## 2592	60	30.855436	30.535538	31.046294	2.034726e-02	0.0184152395	0.038138789
## 2593	60	30.674513	30.420605	30.950572	2.822252e-02	0.0216881392	0.044525150
## 2594	60	30.094114	29.844998	30.420154	3.270717e-02	0.0233477930	0.047779534
## 2595	60	29.438089	28.716710	30.041961	2.059091e-01	0.0585817171	0.117861379
## 2596	60	28.319015	28.056881	28.680302	2.575213e-02	0.0207171930	0.042613566
## 2597	60	28.843701	28.486208	29.046152	2.952525e-02	0.0221830469	0.045486325
## 2598	60	28.562774	28.220731	29.069705	8.494197e-02	0.0376257821	0.076048542
## 2599	60	28.749389	28.194221	28.934647	5.026368e-02	0.0289435320	0.058813558
## 2600	60	29.108139	28.658948	29.604051	1.157238e-01	0.0439173120	0.088581591
## 2601	60	29.273708	28.982812	29.739159	4.598142e-02	0.0276831542	0.056323644
## 2602	60	30.672290	29.783998	31.376733	2.210966e-01	0.0607037301	0.122105602
## 2603	60	30.960613	30.476883	31.504586	1.061820e-01	0.0420678017	0.084899922
## 2604	60	31.474774	31.273891	31.662397	1.199825e-02	0.0141411041	0.029914829
## 2605	60	31.291559	30.752593	31.644384	5.707294e-02	0.0308417832	0.062582663
## 2606	60	30.816493	30.632762	31.293905	2.101009e-02	0.0187127817	0.038718388
## 2607	60	31.600450	31.349745	31.845521	2.344258e-02	0.0197663769	0.040772942
## 2608	60	30.826212	30.433173	31.367208	7.453676e-02	0.0352459837	0.071323017
## 2609	60	30.909106	30.641560	31.285008	4.943881e-02	0.0287050537	0.058350254
## 2610	60	30.533891	30.135637	31.338216	1.044633e-01	0.0417259458	0.084218356
## 2611	60	31.905210	30.978734	32.359405	1.541972e-01	0.0506947134	0.102110074
## 2612	60	30.712883	30.436392	31.204401	3.595430e-02	0.0244793446	0.050008782
## 2613	60	31.429945	31.244430	31.789827	2.611611e-02	0.0208630888	0.042914350
## 2614	60	31.802347	31.660355	31.998103	7.108827e-03	0.0108848727	0.023806443
## 2615	60	31.207623	30.985785	31.777118	4.989864e-02	0.0288382373	0.058615566
## 2616	60	30.493424	30.029101	30.962414	1.129239e-01	0.0433827799	0.087519290
## 2617	60	30.859592	30.452044	31.290702	5.305436e-02	0.0297361617	0.060391146
## 2618	60	31.538960	31.127330	31.938009	5.436781e-02	0.0301019958	0.061117953
## 2619	60	30.588150	30.075458	31.246649	1.834158e-01	0.0552895125	0.111284676
## 2620	60	30.259700	29.964230	30.579701	4.071841e-02	0.0260507237	0.053103160

## 2621	60	30.058736	29.637209	30.551563	6.655764e-02	0.0333060658	0.067467245
## 2622	60	30.770487	30.541842	31.109457	2.886677e-02	0.0219342846	0.045008268
## 2623	60	30.833763	30.325470	31.165373	5.167715e-02	0.0293476717	0.059621541
## 2624	60	30.526676	30.233142	31.352260	1.171839e-01	0.0441934878	0.089136445
## 2625	60	31.506838	31.242424	31.982465	5.083810e-02	0.0291084479	0.059151010
## 2626	60	31.326898	30.561146	31.734629	1.887169e-01	0.0560828175	0.112870648
## 2627	60	31.081804	30.704380	31.339630	3.170178e-02	0.0229861473	0.047073176
## 2628	60	31.045357	30.856186	31.334759	1.968042e-02	0.0181109625	0.037549688
## 2629	60	31.061851	30.759801	31.272790	2.468782e-02	0.0202845674	0.041781210
## 2630	60	30.859784	30.499976	31.220743	7.043266e-02	0.0342618985	0.069367404
## 2631	60	30.605338	30.352447	30.846287	2.716391e-02	0.0212774958	0.043720467
## 2632	60	31.042817	30.449354	31.678682	1.706557e-01	0.0533316243	0.107374379
## 2633	60	31.019191	30.432859	31.799944	2.730642e-01	0.0674616230	0.135620563
## 2634	60	31.065793	30.565130	31.590385	9.058660e-02	0.0388558436	0.078503401
## 2635	60	31.065312	30.745327	31.323877	3.209320e-02	0.0231276168	0.047350978
## 2636	60	30.809849	30.526427	31.078720	2.835926e-02	0.0217406161	0.044628581
## 2637	60	30.216402	29.628965	30.516451	5.806092e-02	0.0311075869	0.063105660
## 2638	60	29.722007	29.239437	30.268036	9.781004e-02	0.0403753308	0.081525162
## 2639	60	30.139034	29.839893	30.286669	2.046715e-02	0.0184694096	0.038239793
## 2640	60	30.154449	29.830469	30.478652	5.936792e-02	0.0314557685	0.063795847
## 2641	60	29.918740	29.668187	30.316732	3.591161e-02	0.0244648084	0.049976363
## 2642	60	29.628559	29.370956	29.916540	2.375983e-02	0.0198996794	0.041022907
## 2643	60	29.560316	29.444019	29.721077	5.675707e-03	0.0097260020	0.021665844
## 2644	60	29.656449	29.588505	29.791831	2.982563e-03	0.0070504881	0.017041069
## 2645	60	29.697243	29.567166	30.014219	1.038627e-02	0.0131569207	0.028036229
## 2646	60	30.232344	30.050245	30.457719	1.737723e-02	0.0170182393	0.035428375
## 2647	60	30.439664	30.336876	30.581706	4.998793e-03	0.0091276078	0.020595416
## 2648	60	30.370762	30.079835	30.547419	1.147837e-02	0.0138313454	0.029317966
## 2649	60	30.270257	29.920449	30.926828	9.061986e-02	0.0388629762	0.078515777
## 2650	60	31.473930	30.959801	31.752876	3.856219e-02	0.0253515906	0.051729296
## 2651	60	30.865446	30.568744	31.478127	1.004128e-01	0.0409090091	0.082591276
## 2652	60	30.883867	30.590581	31.052344	1.708707e-02	0.0168755596	0.035156294
## 2653	60	30.628463	30.479496	30.942538	2.100366e-02	0.0187099177	0.038710885
## 2654	60	30.375632	30.019891	30.756187	5.550004e-02	0.0304138247	0.061731549
## 2655	60	30.446254	30.016437	30.611141	3.584954e-02	0.0244436552	0.049935978
## 2656	60	31.115515	30.585690	31.653303	1.574166e-01	0.0512211842	0.103159728
## 2657	60	31.287887	31.205953	31.391897	1.672447e-03	0.0052795944	0.014323687
## 2658	60	31.242783	31.024182	31.611032	3.008498e-02	0.0223923268	0.045908832
## 2659	60	31.542196	31.253247	31.703021	8.876470e-03	0.0121631069	0.026179760
## 2660	60	31.414881	31.148561	31.561001	1.498941e-02	0.0158058071	0.033098406
## 2661	60	31.431170	31.005542	31.634976	3.475631e-02	0.0240680661	0.049201231
## 2662	60	30.634484	30.383787	31.034785	6.051610e-02	0.0317584891	0.064398022
## 2663	60	30.491310	30.314727	30.735507	1.922064e-02	0.0178981543	0.037133480
## 2664	60	30.380893	30.052484	30.717479	4.849822e-02	0.0284306830	0.057805403
## 2665	60	30.425188	29.918936	30.721546	7.893571e-02	0.0362711351	0.073358904
## 2666	60	30.656255	30.523717	30.764159	3.819459e-03	0.0079785746	0.018594044
## 2667	60	30.523687	30.402519	30.696938	5.887559e-03	0.0099058559	0.022001561
## 2668	60	30.579546	30.183801	30.885624	4.864146e-02	0.0284726367	0.057889010
## 2669	60	31.632059	30.918972	32.514172	3.132610e-01	0.0722566080	0.145214719
## 2670	60	31.954917	31.243132	32.586010	1.933365e-01	0.0567650835	0.114235559
## 2671	60	30.899053	30.670329	31.268961	3.396648e-02	0.0237930237	0.048658616
## 2672	60	30.335793	30.021286	30.710802	3.256463e-02	0.0232968623	0.047680745
## 2673	60	30.813754	30.561617	31.144063	3.388739e-02	0.0237653060	0.048603556
## 2674	60	31.012058	30.829516	31.210862	9.009184e-03	0.0122536962	0.026345496

## 2675	60	30.345967	29.915148	30.852119	6.985636e-02	0.0341214401	0.069087279
## 2676	60	30.428404	29.828702	31.004973	2.022864e-01	0.0580640976	0.116828588
## 2677	60	31.193972	31.028481	31.383865	1.109266e-02	0.0135969745	0.028879290
## 2678	60	31.132337	30.937689	31.269963	1.082338e-02	0.0134309211	0.028563857
## 2679	60	30.959769	30.588146	31.595710	8.087351e-02	0.0367136459	0.074241383
## 2680	60	32.100506	31.586495	32.443517	5.851866e-02	0.0312299706	0.063354832
## 2681	60	31.961815	31.524995	32.253662	2.940481e-02	0.0221377540	0.045412579
## 2682	60	31.621014	31.446954	31.800436	8.621774e-03	0.0119873363	0.025851812
## 2683	60	31.724512	31.099049	32.128101	1.027290e-01	0.0413781335	0.083527459
## 2684	60	31.185255	30.934015	31.465733	3.177532e-02	0.0230127933	0.047126082
## 2685	60	31.539859	31.369054	31.771067	1.450839e-02	0.0155501260	0.032608753
## 2686	60	31.022088	30.547262	31.360864	5.412290e-02	0.0300341205	0.060981478
## 2687	60	30.166614	29.960854	30.526172	2.951993e-02	0.0221810459	0.045489328
## 2688	60	30.439146	30.227251	30.768697	1.917971e-02	0.0178790895	0.037096703
## 2689	60	31.546642	30.845386	31.903080	7.194957e-02	0.0346288830	0.070098505
## 2690	60	30.379110	29.857013	31.152646	1.491766e-01	0.0498625783	0.100446260
## 2691	60	30.641072	29.915127	31.087166	8.807332e-02	0.0383130345	0.077421697
## 2692	60	30.970944	30.597337	31.140135	1.800328e-02	0.0173220844	0.036019995
## 2693	60	30.629022	30.378820	30.868460	1.865385e-02	0.0176322843	0.036618953
## 2694	60	30.467485	30.248970	30.695937	2.196685e-02	0.0191341094	0.039534853
## 2695	60	30.337160	30.039213	30.556981	2.521361e-02	0.0204994355	0.042197304
## 2696	60	30.379913	30.174827	30.533083	1.286339e-02	0.0146420553	0.030861983
## 2697	60	30.338772	29.939628	30.646939	6.786078e-02	0.0336305371	0.068111762
## 2698	60	30.416623	30.054074	30.708977	3.830297e-02	0.0252662394	0.051556734
## 2699	60	30.761919	30.586300	30.919443	9.341351e-03	0.0124775474	0.026763147
## 2700	60	30.433132	29.903660	30.906029	1.286213e-01	0.0462999844	0.093336383
## 2701	60	30.585452	29.924216	30.929871	1.046490e-01	0.0417630163	0.084291171
## 2702	60	30.768162	30.621118	30.957327	9.789893e-03	0.0127736009	0.027320224
## 2703	60	31.118999	30.672547	31.689625	8.067143e-02	0.0366677493	0.074150385
## 2704	60	31.575893	31.283986	31.817860	2.190129e-02	0.0191055366	0.039485293
## 2705	60	31.882044	31.724216	32.010244	6.110551e-03	0.0100917055	0.022352114
## 2706	60	31.535810	31.280018	31.874241	3.526113e-02	0.0242422256	0.049544955
## 2707	60	31.136905	30.926414	31.345345	1.701949e-02	0.0168421540	0.035093556
## 2708	60	30.954512	30.826198	31.106100	5.370103e-03	0.0094605346	0.021199070
## 2709	60	30.584916	30.461860	30.813176	8.702258e-03	0.0120431569	0.025948173
## 2710	60	30.579209	30.389030	30.788197	9.417004e-03	0.0125279714	0.026856848
## 2711	60	30.347570	30.118613	30.481400	1.392950e-02	0.0152367422	0.031999306
## 2712	60	30.371126	30.209246	30.510541	7.266473e-03	0.0110049025	0.024015074
## 2713	60	30.194397	29.999334	30.365172	9.581033e-03	0.0126366086	0.027057812
## 2714	60	30.293449	30.130374	30.440770	9.238063e-03	0.0124083729	0.026629508
## 2715	60	30.882036	30.466084	31.438921	9.683122e-02	0.0401727974	0.081124919
## 2716	60	31.081374	30.848958	31.479581	3.963308e-02	0.0257011934	0.052417395
## 2717	60	31.049718	30.836330	31.297362	2.352170e-02	0.0197997033	0.040835063
## 2718	60	31.417201	31.241286	31.555401	6.859992e-03	0.0106926705	0.023448534
## 2719	60	30.428874	30.009780	31.206010	1.297616e-01	0.0465047672	0.093745585
## 2720	60	30.272737	29.921998	30.568430	5.515354e-02	0.0303187351	0.061542499
## 2721	60	30.398811	30.294719	30.567194	4.976192e-03	0.0091069500	0.020558261
## 2722	60	31.007378	30.580231	31.276208	3.187787e-02	0.0230498978	0.047198098
## 2723	60	31.015715	30.737353	31.230719	2.638545e-02	0.0209703943	0.043121431
## 2724	60	31.029535	30.803732	31.283239	2.351397e-02	0.0197964506	0.040828645
## 2725	60	31.119354	30.916614	31.429256	2.539798e-02	0.0205742493	0.042347907
## 2726	60	31.042987	30.732207	31.508180	6.646228e-02	0.0332821984	0.067422914
## 2727	60	31.225471	30.984449	31.397299	1.908159e-02	0.0178332994	0.037011542
## 2728	60	31.065600	30.772604	31.252717	1.732405e-02	0.0169921782	0.035382784

## 2729	60	31.173152	30.829653	31.371510	1.814403e-02	0.0173896651	0.036152131
## 2730	60	30.568600	30.482008	30.815475	5.892944e-03	0.0099103854	0.022010905
## 2731	60	30.332346	30.066739	30.585062	3.012711e-02	0.0224079993	0.045934798
## 2732	60	30.640300	30.191928	30.955638	7.051404e-02	0.0342816857	0.069405885
## 2733	60	31.087002	30.821130	31.217520	8.905359e-03	0.0121828837	0.026212899
## 2734	60	30.515531	30.438318	30.777435	4.402960e-03	0.0085663685	0.019597781
## 2735	60	30.414390	30.243885	30.735723	2.030884e-02	0.0183978419	0.038103261
## 2736	60	31.244794	30.737569	31.579170	5.161051e-02	0.0293287423	0.059585563
## 2737	60	30.730470	30.448036	31.070964	3.614111e-02	0.0245428566	0.050133252
## 2738	60	30.484858	30.271412	30.878731	3.292178e-02	0.0234242678	0.047931888
## 2739	60	30.697957	30.307914	31.038597	3.404606e-02	0.0238208814	0.048712389
## 2740	60	31.088988	30.920130	31.223884	8.769279e-03	0.0120894436	0.026038059
## 2741	60	30.813590	30.462470	31.084612	3.068140e-02	0.0226131980	0.046339787
## 2742	60	30.452022	30.288514	30.673472	1.404272e-02	0.0152985401	0.032119016
## 2743	60	30.492369	30.212075	30.632762	1.561781e-02	0.0161337151	0.033723216
## 2744	60	30.537144	30.290733	30.670308	8.975690e-03	0.0122308965	0.026298471
## 2745	60	30.091382	29.961775	30.375384	1.028793e-02	0.0130944867	0.027920982
## 2746	60	30.141128	29.994368	30.281995	7.450302e-03	0.0111432356	0.024268976
## 2747	60	30.625000	30.075458	31.065738	1.059710e-01	0.0420259855	0.084815485
## 2748	60	30.722113	30.350857	30.887864	2.081600e-02	0.0186261468	0.038547728
## 2749	60	29.839852	29.287509	30.329770	8.932646e-02	0.0385846396	0.077960140
## 2750	60	29.387447	29.257831	29.562570	1.179452e-02	0.0140205328	0.029670569
## 2751	60	29.552191	29.422308	29.722845	9.716393e-03	0.0127255605	0.027220278
## 2752	60	30.014311	29.527962	30.399770	9.060422e-02	0.0388596243	0.078507662
## 2753	60	30.052786	29.585010	30.332833	6.407179e-02	0.0326781764	0.066220261
## 2754	60	29.595425	29.491211	29.840698	7.149617e-03	0.0109160559	0.023845165
## 2755	60	29.894856	29.722904	30.070115	7.366863e-03	0.0110806613	0.024151355
## 2756	60	29.504962	29.385404	29.709122	7.028622e-03	0.0108232943	0.023672865
## 2757	60	29.151848	29.039890	29.414653	1.078169e-02	0.0134050287	0.028501170
## 2758	60	29.003708	28.935568	29.072532	1.688558e-03	0.0053049635	0.014324246
## 2759	60	28.996474	28.849739	29.208638	1.486816e-02	0.0157417481	0.032960233
## 2760	60	29.633552	29.232411	29.914559	4.835794e-02	0.0283895334	0.057721034
## 2761	60	29.640001	29.540035	29.800550	3.354359e-03	0.0074770308	0.017742417
## 2762	60	29.576044	29.350620	29.801708	1.276321e-02	0.0145849305	0.030747902
## 2763	60	29.320236	29.267957	29.362162	1.087519e-03	0.0042573836	0.012879547
## 2764	60	29.107891	28.913802	29.330008	1.780048e-02	0.0172242478	0.035820024
## 2765	60	28.947597	28.883144	28.993255	9.909192e-04	0.0040639046	0.012624600
## 2766	60	29.051818	28.890957	29.354389	2.110373e-02	0.0187544349	0.038788748
## 2767	60	29.716833	29.370113	29.988850	3.605469e-02	0.0245134977	0.050070827
## 2768	60	29.233866	29.116246	29.466909	8.922298e-03	0.0121944647	0.026220643
## 2769	60	29.239740	29.174759	29.390606	3.570329e-03	0.0077139801	0.018132248
## 2770	60	29.157675	28.817726	29.402599	2.727910e-02	0.0213225630	0.043801669
## 2771	60	28.923415	28.733549	29.252374	2.168238e-02	0.0190098113	0.039285100
## 2772	60	29.355228	29.217686	29.552697	1.408347e-02	0.0153207237	0.032154187
## 2773	60	29.047095	28.955529	29.216176	4.763046e-03	0.0089097756	0.020192215
## 2774	60	28.910806	28.792487	28.990193	2.182065e-03	0.0060305686	0.015411795
## 2775	60	28.652575	28.562744	28.779455	3.671376e-03	0.0078223786	0.018306679
## 2776	60	28.857013	28.705718	29.113948	1.809043e-02	0.0173639599	0.036089124
## 2777	60	29.524191	29.140762	29.731738	2.031879e-02	0.0184023502	0.038106422
## 2778	60	29.306336	29.094516	29.646516	2.303918e-02	0.0195955696	0.040428340
## 2779	60	29.286374	29.062344	29.622053	3.582693e-02	0.0244359462	0.049916571
## 2780	60	29.464357	29.349246	29.631949	7.696636e-03	0.0113259556	0.024602153
## 2781	60	29.471472	29.394944	29.536049	1.530343e-03	0.0050503185	0.013964658
## 2782	60	29.086499	28.912996	29.388388	1.785647e-02	0.0172513153	0.035872736

## 2783	60	28.903571	28.856392	28.974215	8.188118e-04	0.0036941661	0.012168855
## 2784	60	28.732727	28.606706	28.949327	1.078639e-02	0.0134079489	0.028503288
## 2785	60	28.617542	28.475039	28.758945	9.558826e-03	0.0126219557	0.027017845
## 2786	60	28.677863	28.490817	28.819180	1.672652e-02	0.0166965661	0.034797152
## 2787	60	28.972186	28.695297	29.200140	2.415571e-02	0.0200647735	0.041341436
## 2788	60	28.548351	28.444681	28.683795	6.460433e-03	0.0103766027	0.022842505
## 2789	60	28.535161	28.479808	28.584195	1.120208e-03	0.0043208948	0.012949127
## 2790	60	28.407192	28.305624	28.588532	7.144172e-03	0.0109118986	0.023826642
## 2791	60	28.610238	28.558899	28.704403	1.926431e-03	0.0056663202	0.014853456
## 2792	60	28.656059	28.585666	28.703284	1.528909e-03	0.0050479524	0.013947959
## 2793	60	28.876041	28.671039	29.102114	1.317176e-02	0.0148165213	0.031185673
## 2794	60	28.933144	28.769484	29.136267	1.218560e-02	0.0142510845	0.030106530
## 2795	60	29.123339	29.082484	29.170205	6.043393e-04	0.0031736920	0.011580081
## 2796	60	29.103954	28.982028	29.221654	5.197451e-03	0.0093072111	0.020904564
## 2797	60	29.060091	28.934117	29.165474	5.948967e-03	0.0099573813	0.022081027
## 2798	60	28.939215	28.780613	29.132282	1.694404e-02	0.0168047830	0.035008009
## 2799	60	28.864685	28.530716	29.166338	3.646823e-02	0.0246536779	0.050343386
## 2800	60	28.493406	28.350816	28.598464	6.273277e-03	0.0102251952	0.022564519
## 2801	60	28.220517	28.120674	28.347755	5.236500e-03	0.0093421094	0.020958904
## 2802	60	28.082935	28.038495	28.119594	5.314141e-04	0.0029760547	0.011351016
## 2803	60	28.034003	27.993854	28.101718	1.206606e-03	0.0044844283	0.013158004
## 2804	60	28.117703	28.085430	28.182446	9.493811e-04	0.0039778158	0.012501758
## 2805	60	28.155238	28.117181	28.186765	3.908415e-04	0.0025522589	0.010938615
## 2806	60	28.219997	28.184548	28.279465	8.290227e-04	0.0037171285	0.012183641
## 2807	60	28.256077	28.199028	28.303229	6.304663e-04	0.0032415694	0.011637249
## 2808	60	28.182439	28.060667	28.253659	3.556419e-03	0.0076989384	0.018093050
## 2809	60	28.180343	28.047247	28.316985	7.344667e-03	0.0110639560	0.024105429
## 2810	60	28.397024	28.322736	28.480948	2.170953e-03	0.0060151938	0.015380743
## 2811	60	28.260863	28.144084	28.386827	5.899740e-03	0.0099160984	0.021998655
## 2812	60	28.088410	28.011397	28.187842	3.229547e-03	0.0073366053	0.017489567
## 2813	60	28.137394	28.077817	28.185291	1.354553e-03	0.0047514082	0.013523173
## 2814	60	28.045159	27.976154	28.130584	1.827223e-03	0.0055184886	0.014623989
## 2815	60	27.916807	27.838548	27.974624	1.724838e-03	0.0053616507	0.014390092
## 2816	60	27.795445	27.772722	27.835488	2.900425e-04	0.0021986452	0.010624697
## 2817	60	27.746823	27.712958	27.801093	8.894675e-04	0.0038502543	0.012336683
## 2818	60	27.766005	27.733107	27.780098	1.283381e-04	0.0014625213	0.010111928
## 2819	60	27.813536	27.769013	27.853598	9.524335e-04	0.0039842052	0.012503916
## 2820	60	27.828788	27.800484	27.869513	4.799937e-04	0.0028284086	0.011196470
## 2821	60	27.759556	27.707246	27.818535	9.062844e-04	0.0038864816	0.012381630
## 2822	60	27.650726	27.618309	27.728458	1.108056e-03	0.0042973949	0.012903559
## 2823	60	27.527096	27.407130	27.626512	5.431104e-03	0.0095141162	0.021262356
## 2824	60	27.489382	27.388628	27.568260	3.415082e-03	0.0075444036	0.017826424
## 2825	60	27.403905	27.357103	27.476207	1.146236e-03	0.0043708054	0.012995945
## 2826	60	27.269202	27.233667	27.350217	1.264751e-03	0.0045912074	0.013289611
## 2827	60	27.203217	27.057033	27.249576	2.944570e-03	0.0070054382	0.016934356
## 2828	60	27.029829	26.967840	27.070393	8.193349e-04	0.0036953459	0.012135423
## 2829	60	26.916547	26.864543	26.969663	1.141194e-03	0.0043611803	0.012974559
## 2830	60	26.876220	26.823921	26.940062	1.182177e-03	0.0044388012	0.013077262
## 2831	60	26.479128	25.911352	26.859933	1.072335e-01	0.0422755924	0.085302336
## 2832	60	25.468927	25.109723	25.885704	4.218653e-02	0.0265161984	0.054003322
## 2833	60	24.884390	24.739639	25.100547	1.032508e-02	0.0131181068	0.027926403
## 2834	60	25.187970	24.970961	25.299368	9.680182e-03	0.0127018256	0.027141857
## 2835	60	24.860402	24.713704	25.203202	2.545951e-02	0.0205991530	0.042365525
## 2836	60	24.707648	24.455960	24.831285	1.836525e-02	0.0174953550	0.036318855

## 2837	60	24.214054	24.112582	24.445629	8.870244e-03	0.0121588405	0.026114298
## 2838	60	23.990920	23.727482	24.248663	3.714141e-02	0.0248801845	0.050769161
## 2839	60	23.516882	23.331902	23.723660	1.680791e-02	0.0167371410	0.034845015
## 2840	60	23.417126	23.328121	23.589266	8.271237e-03	0.0117411222	0.025325565
## 2841	60	23.422589	23.212082	23.595381	1.697709e-02	0.0168211603	0.035006660
## 2842	60	23.233384	23.177853	23.292653	1.410351e-03	0.0048482824	0.013578681
## 2843	60	23.259067	23.090878	23.362606	8.196420e-03	0.0116878999	0.025224346
## 2844	60	22.961406	22.877808	23.094327	5.904550e-03	0.0099201395	0.021957341
## 2845	60	22.767459	22.608959	22.888837	9.329808e-03	0.0124698354	0.026686625
## 2846	60	22.487052	22.405500	22.606666	4.529345e-03	0.0086884452	0.019731384
## 2847	60	22.226208	22.111637	22.398624	8.654567e-03	0.0120101115	0.025819433
## 2848	60	22.160519	22.131891	22.186990	2.512646e-04	0.0020463978	0.010385484
## 2849	60	22.076692	22.005396	22.130479	2.193679e-03	0.0060465961	0.015338332
## 2850	60	21.917353	21.774496	22.041182	8.521028e-03	0.0119170944	0.025642384
## 2851	60	21.734753	21.706281	21.769913	4.823211e-04	0.0028352576	0.011083122
## 2852	60	21.591638	21.425052	21.719206	7.685793e-03	0.0113179743	0.024521548
## 2853	60	21.413712	21.376719	21.456932	5.147928e-04	0.0029291433	0.011172746
## 2854	60	21.437912	21.377581	21.463493	4.385425e-04	0.0027035240	0.010946723
## 2855	60	21.257609	21.154380	21.371845	4.206987e-03	0.0083735569	0.019159946
## 2856	60	21.110019	21.068574	21.151698	5.246877e-04	0.0029571598	0.011195861
## 2857	60	20.986631	20.917764	21.065913	1.910581e-03	0.0056429610	0.014704785
## 2858	60	20.870144	20.797308	20.914318	7.798198e-04	0.0036051348	0.011915640
## 2859	60	20.751686	20.729757	20.792335	3.132835e-04	0.0022850364	0.010550972
## 2860	60	20.687351	20.658628	20.727840	4.299610e-04	0.0026769416	0.010906406
## 2861	60	20.614169	20.586284	20.659801	6.484317e-04	0.0032874297	0.011543524
## 2862	60	20.651305	20.617356	20.672078	2.116503e-04	0.0018781655	0.010227586
## 2863	60	20.545657	20.512964	20.616591	7.248714e-04	0.0034758005	0.011757936
## 2864	60	20.474331	20.333340	20.558600	5.844136e-03	0.0098692586	0.021841502
## 2865	60	20.297993	20.240078	20.376918	1.960118e-03	0.0057156475	0.014804834
## 2866	60	20.197331	20.023080	20.372515	1.158788e-02	0.0138971725	0.029371625
## 2867	60	19.930980	19.860336	20.016581	1.935358e-03	0.0056794342	0.014744612
## 2868	60	19.789402	19.736317	19.857655	1.857545e-03	0.0055640888	0.014568127
## 2869	60	19.793578	19.734146	19.848594	1.841274e-03	0.0055396666	0.014531311
## 2870	60	19.895075	19.834755	19.927164	6.198516e-04	0.0032141655	0.011448243
## 2871	60	20.189426	19.908275	20.345908	1.635792e-02	0.0165115696	0.034389172
## 2872	60	20.330501	20.292287	20.402722	5.981841e-04	0.0031574888	0.011394981
## 2873	60	20.647752	20.414175	20.788693	1.239542e-02	0.0143732495	0.030282603
## 2874	60	20.741296	20.694869	20.819746	2.010639e-03	0.0057888378	0.014922754
## 2875	60	20.722494	20.544818	20.815321	5.610663e-03	0.0096701116	0.021481263
## 2876	60	20.339182	20.152220	20.543291	1.951162e-02	0.0180331271	0.037338414
## 2877	60	20.113555	20.022416	20.188083	3.339462e-03	0.0074604086	0.017595244
## 2878	60	19.808213	19.609620	20.063504	1.821392e-02	0.0174231251	0.036151793
## 2879	60	19.815137	19.511330	20.158190	6.894567e-02	0.0338982954	0.068611332
## 2880	60	20.232840	20.160677	20.301078	1.591524e-03	0.0051502816	0.013963134
## 2881	60	20.644843	20.044456	21.396088	3.138614e-01	0.0723258110	0.145336957
## 2882	60	21.256130	21.169734	21.377327	3.286199e-03	0.0074006746	0.017510336
## 2883	60	21.256130	21.169734	21.377327	3.286199e-03	0.0074006746	0.017510336
## 2884	60	21.304620	21.261105	21.353787	5.068633e-04	0.0029064965	0.011147439
## 2885	60	21.095124	20.764726	21.359134	2.721576e-02	0.0212977922	0.043714728
## 2886	60	21.048575	20.755898	21.332658	4.238726e-02	0.0265792089	0.054110233
## 2887	60	21.813066	21.330055	22.216451	1.222099e-01	0.0451312656	0.090985119
## 2888	60	22.348955	22.228321	22.485661	3.111162e-03	0.0072008815	0.017193299
## 2889	60	22.735179	22.496355	22.888308	1.541787e-02	0.0160301123	0.033475590
## 2890	60	23.042904	22.830083	23.270219	2.218438e-02	0.0192286170	0.039679611



## 2891	60	23.027263	22.971342	23.115426	1.583982e-03	0.0051380634	0.013989075
## 2892	60	23.192294	23.093248	23.262969	1.923332e-03	0.0056617603	0.014765547
## 2893	60	22.668021	22.441210	23.074498	3.909804e-02	0.0255271226	0.052040072
## 2894	60	22.743974	22.494730	23.011701	2.798904e-02	0.0215982394	0.044311353
## 2895	60	22.691494	22.148951	23.031647	8.899050e-02	0.0385120103	0.077795747
## 2896	60	21.912847	21.771990	22.141683	1.120452e-02	0.0136653557	0.028942844
## 2897	60	21.662443	21.602756	21.785111	2.649485e-03	0.0066451543	0.016279353
## 2898	60	21.765340	21.622106	22.132340	2.331112e-02	0.0197108787	0.040614526
## 2899	60	22.301405	22.123391	22.607021	2.177201e-02	0.0190490649	0.039326217
## 2900	60	22.094905	21.916788	22.583197	4.488997e-02	0.0273526259	0.055643362
## 2901	60	22.080842	21.938684	22.388223	1.861945e-02	0.0176160222	0.036538947
## 2902	60	22.341551	22.123801	22.500882	1.526455e-02	0.0159502065	0.033319269
## 2903	60	22.146488	21.990355	22.223738	4.480093e-03	0.0086410773	0.019643221
## 2904	60	21.901565	21.805891	22.084880	8.857744e-03	0.0121502704	0.026079842
## 2905	60	21.928061	21.857029	22.025375	1.556387e-03	0.0050931119	0.013907183
## 2906	60	22.117046	21.881571	22.309006	1.989075e-02	0.0182074840	0.037686870
## 2907	60	21.994071	21.884821	22.116338	4.079719e-03	0.0082459270	0.018947045
## 2908	60	22.147800	21.879964	22.529738	5.682753e-02	0.0307754049	0.062420234
## 2909	60	22.347352	22.228595	22.531638	7.759026e-03	0.0113717673	0.024628295
## 2910	60	22.223272	22.086331	22.374276	5.949848e-03	0.0099581192	0.022020089
## 2911	60	22.343735	22.255413	22.408635	2.066739e-03	0.0058690423	0.015068427
## 2912	60	22.428715	22.259467	22.522900	5.008971e-03	0.0091368946	0.020533242
## 2913	60	22.339831	22.109796	22.483563	1.833689e-02	0.0174818436	0.036279304
## 2914	60	21.792665	21.640965	22.089915	2.408135e-02	0.0200338676	0.041245093
## 2915	60	21.592354	21.255679	21.954316	5.815128e-02	0.0311317857	0.063125044
## 2916	60	22.103276	21.893185	22.384187	2.281657e-02	0.0195006709	0.040205576
## 2917	60	22.380358	22.092323	22.541354	1.631223e-02	0.0164884981	0.034357667
## 2918	60	22.256869	22.012487	22.413511	1.951912e-02	0.0180365937	0.037355411
## 2919	60	22.172319	21.865511	22.358290	2.208297e-02	0.0191846167	0.039589092
## 2920	60	21.944615	21.762548	22.295802	2.269886e-02	0.0194503037	0.040106863
## 2921	60	22.232447	22.098906	22.319328	3.910128e-03	0.0080727190	0.018653493
## 2922	60	21.743390	21.461378	22.089347	4.107009e-02	0.0261629800	0.053291120
## 2923	60	21.352997	21.156965	21.560337	2.203526e-02	0.0191638817	0.039544525
## 2924	60	21.746663	21.262396	22.092187	1.035673e-01	0.0415466162	0.083837734
## 2925	60	21.874588	21.701521	22.071209	9.975801e-03	0.0128943145	0.027480993
## 2926	60	21.854277	21.658062	22.018559	1.461263e-02	0.0156058920	0.032653567
## 2927	60	21.608751	21.357979	21.901765	3.878184e-02	0.0254236888	0.051831348
## 2928	60	21.874173	21.472013	22.022163	1.720319e-02	0.0169328031	0.035213358
## 2929	60	21.693271	21.536365	21.887232	8.877491e-03	0.0121638066	0.026103718
## 2930	60	21.255332	20.877233	21.717191	9.782068e-02	0.0403775259	0.081507402
## 2931	60	21.040698	20.791454	21.527024	5.187340e-02	0.0294033453	0.059697727
## 2932	60	21.477197	21.255425	21.586756	1.399659e-02	0.0152733911	0.032011900
## 2933	60	21.213210	21.158923	21.270034	1.278903e-03	0.0046168231	0.013224155
## 2934	60	21.147316	20.920074	21.261338	1.132187e-02	0.0137367332	0.029072402
## 2935	60	20.660313	20.486240	20.923500	2.200984e-02	0.0191528257	0.039519669
## 2936	60	20.700199	20.503331	20.865014	7.822104e-03	0.0114178984	0.024700603
## 2937	60	20.330678	20.202452	20.552041	6.107553e-03	0.0100892293	0.022243347
## 2938	60	20.276813	20.072802	20.673017	2.760690e-02	0.0214502914	0.044010406
## 2939	60	20.482613	20.288548	20.739802	2.527763e-02	0.0205254445	0.042199515
## 2940	60	20.014093	19.656558	20.287589	4.167848e-02	0.0263560484	0.053665438
## 2941	60	19.890611	19.660373	20.018383	9.128741e-03	0.0123347346	0.026410586
## 2942	60	19.763417	19.442200	20.006167	4.339633e-02	0.0268937196	0.054726652
## 2943	60	19.382569	19.258878	19.479994	4.068679e-03	0.0082347622	0.018897825
## 2944	60	20.084266	19.415251	20.625657	1.436303e-01	0.0489268674	0.098555978

##	2945	60	20.824630	20.652793	20.929041	5.825914e-03	0.0098538608	0.021816787
##	2946	60	20.363554	19.794372	20.780763	7.343002e-02	0.0349833352	0.070769556
##	2947	60	19.526367	19.270542	19.774505	2.878217e-02	0.0219021183	0.044892435
##	2948	60	19.411501	19.223359	19.564936	1.065148e-02	0.0133238352	0.028276077
##	2949	60	19.561766	19.478430	19.624633	1.805648e-03	0.0054858120	0.014447335
##	2950	60	19.600790	19.380571	19.870006	2.991575e-02	0.0223292579	0.045731357
##	2951	60	19.629450	19.402548	19.895922	2.760492e-02	0.0214495208	0.044005280
##	2952	60	19.905068	19.636103	20.290075	5.018665e-02	0.0289213454	0.058738856
##	2953	60	19.419694	19.077093	19.680671	5.024928e-02	0.0289393859	0.058772450
##	2954	60	19.301185	19.042199	19.573607	3.679758e-02	0.0247647531	0.050522560
##	2955	60	19.138004	19.023061	19.303656	5.471796e-03	0.0095496915	0.021248616
##	2956	60	19.110200	18.903123	19.257626	1.239121e-02	0.0143708111	0.030267718
##	2957	60	19.880347	19.261813	20.302956	6.684745e-02	0.0333784982	0.067579167
##	2958	60	20.209996	20.029559	20.381188	1.142050e-02	0.0137964343	0.029179880
##	2959	60	19.941163	19.779946	20.030285	4.494054e-03	0.0086545310	0.019645303
##	2960	60	19.411951	19.123687	19.768086	5.492534e-02	0.0302559477	0.061381195
##	2961	60	19.051245	18.978090	19.253045	5.082465e-03	0.0092036812	0.020622214
##	2962	60	19.415340	19.027111	19.903244	8.372811e-02	0.0373559703	0.075486298
##	2963	60	19.938687	19.877249	20.018657	1.792614e-03	0.0054659771	0.014423587
##	2964	60	19.631473	19.344617	19.887819	3.492073e-02	0.0241249285	0.049263107
##	2965	60	19.394436	19.182925	19.600010	1.612900e-02	0.0163956304	0.034160820
##	2966	60	20.134250	19.611090	20.480857	7.508308e-02	0.0353749150	0.071547186
##	2967	60	20.142103	20.009651	20.352996	7.851287e-03	0.0114391772	0.024736105
##	2968	60	19.656313	19.567227	20.000040	1.511767e-02	0.0158732857	0.033155747
##	2969	60	19.570235	19.345715	19.755753	2.326979e-02	0.0196933937	0.040568389
##	2970	60	19.020083	18.560574	19.327766	3.906222e-02	0.0255154257	0.052002151
##	2971	60	18.187441	17.923864	18.540324	2.562702e-02	0.0206668086	0.042465553
##	2972	60	18.508089	18.221134	18.717697	3.239498e-02	0.0232361006	0.047508674
##	2973	60	18.863532	18.589886	18.985918	8.549916e-03	0.0119372777	0.025656290
##	2974	60	18.966127	18.575642	19.460285	8.498221e-02	0.0376346940	0.076039812
##	2975	60	19.296236	19.206919	19.459836	6.461854e-03	0.0103777437	0.022763055
##	2976	60	19.768920	19.229443	20.226432	1.475925e-01	0.0495971189	0.099893285
##	2977	60	19.744572	19.404603	20.206406	7.509947e-02	0.0353787775	0.071554076
##	2978	60	18.679503	18.308215	19.371744	1.068768e-01	0.0422052156	0.085143736
##	2979	60	18.391736	18.294442	18.452744	2.968098e-03	0.0070333704	0.016866677
##	2980	60	18.711748	18.450829	19.082238	2.363737e-02	0.0198483294	0.040867621
##	2981	60	19.151884	18.965742	19.248076	5.774048e-03	0.0098098999	0.021721391
##	2982	60	18.464149	18.240228	18.945118	3.986287e-02	0.0257755934	0.052514129
##	2983	60	18.851142	18.453098	18.985782	1.812019e-02	0.0173782393	0.036058702
##	2984	60	18.945716	18.700752	19.010283	6.006170e-03	0.0100051403	0.022075745
##	2985	60	18.727777	18.564839	19.038892	1.721680e-02	0.0169395007	0.035209052
##	2986	60	19.366505	19.046151	19.556814	3.272723e-02	0.0233549522	0.047746070
##	2987	60	19.938369	19.554369	20.193389	3.267264e-02	0.0233354661	0.047710467
##	2988	60	19.984420	19.906885	20.181232	5.958486e-03	0.0099653446	0.022013490
##	2989	60	20.011530	19.962868	20.071999	1.074235e-03	0.0042313016	0.012685979
##	2990	60	19.974874	19.787953	20.093649	8.474370e-03	0.0118844223	0.025565904
##	2991	60	19.622787	19.496318	19.780690	9.162689e-03	0.0123576487	0.026451893
##	2992	60	19.959484	19.661117	20.142746	2.487350e-02	0.0203607070	0.041874371
##	2993	60	19.827099	19.636493	20.094512	2.012803e-02	0.0183157613	0.037885376
##	2994	60	19.537414	19.441848	19.659180	6.120983e-03	0.0101003164	0.022255698
##	2995	60	19.587317	19.458720	19.691533	6.287717e-03	0.0102369570	0.022506459
##	2996	60	19.297772	18.998561	19.676248	5.518798e-02	0.0303281990	0.061524114
##	2997	60	19.127220	19.033372	19.221127	5.577417e-03	0.0096414185	0.021414453
##	2998	60	19.004615	18.944805	19.170284	3.684270e-03	0.0078361024	0.018214720

## 2999	60	18.735519	18.476479	18.937543	2.145926e-02	0.0189117524	0.039039495
## 3000	60	18.394730	18.128457	18.481252	1.170735e-02	0.0139686242	0.029494834
## 3001	60	18.303471	18.135852	18.422965	6.720476e-03	0.0105833798	0.023132900
## 3002	60	18.394233	18.261005	18.738771	1.738616e-02	0.0170226121	0.035368232
## 3003	60	19.022129	18.746402	19.237546	2.286238e-02	0.0195202385	0.040227738
## 3004	60	19.113396	19.060223	19.223553	2.139905e-03	0.0059720249	0.015181632
## 3005	60	19.145477	18.855747	19.311151	2.028909e-02	0.0183888960	0.038023431
## 3006	60	18.752119	18.565016	18.845044	3.282930e-03	0.0073969922	0.017473036
## 3007	60	17.857679	17.466127	18.538660	1.291949e-01	0.0464031158	0.093514339
## 3008	60	17.419185	17.325748	17.478215	2.451439e-03	0.0063919722	0.015816885
## 3009	60	17.402480	17.322815	17.489952	3.751746e-03	0.0079075341	0.018316238
## 3010	60	17.148319	16.857259	17.413062	2.660275e-02	0.0210565690	0.043223544
## 3011	60	16.845442	16.779622	16.920506	1.764731e-03	0.0054232997	0.014313828
## 3012	60	16.846491	16.745770	17.007300	7.246000e-03	0.0109893886	0.023872298
## 3013	60	17.079259	16.907795	17.194527	6.366424e-03	0.0103008281	0.022601960
## 3014	60	16.610476	16.441399	16.905877	1.811179e-02	0.0173742075	0.036039241
## 3015	60	16.815576	16.756722	16.891248	1.856282e-03	0.0055621974	0.014521688
## 3016	60	16.728295	16.690038	16.825715	1.559967e-03	0.0050989663	0.013835175
## 3017	60	16.938952	16.825579	17.040530	6.100008e-03	0.0100829958	0.022200805
## 3018	60	16.917327	16.824443	16.982112	2.151612e-03	0.0059883393	0.015175406
## 3019	60	16.865048	16.790183	16.941392	2.596298e-03	0.0065781181	0.016107418
## 3020	60	16.630903	16.365705	16.837665	2.284489e-02	0.0195127711	0.040201079
## 3021	60	16.473643	16.345840	16.672360	1.138489e-02	0.0137749105	0.029113373
## 3022	60	16.680139	16.508078	16.762961	4.539654e-03	0.0086983270	0.019691220
## 3023	60	16.370229	16.283249	16.495094	3.833218e-03	0.0079929320	0.018450113
## 3024	60	16.437440	16.305385	16.589758	7.781290e-03	0.0113880714	0.024610556
## 3025	60	16.445864	16.371669	16.573744	3.705003e-03	0.0078581198	0.018221651
## 3026	60	16.437547	16.347990	16.509857	3.719946e-03	0.0078739512	0.018247790
## 3027	60	16.378254	16.267080	16.497890	5.912195e-03	0.0099265593	0.021909668
## 3028	60	16.297437	16.244184	16.352332	1.070420e-03	0.0042237813	0.012613278
## 3029	60	16.624133	16.366448	16.867958	1.630782e-02	0.0164862682	0.034319829
## 3030	60	17.107378	16.877501	17.223416	1.055383e-02	0.0132626239	0.028143331
## 3031	60	16.813851	16.632524	17.100335	1.729856e-02	0.0169796720	0.035275729
## 3032	60	16.293677	16.016302	16.623373	2.863419e-02	0.0218457438	0.044767530
## 3033	60	15.915440	15.845291	16.001052	1.640098e-03	0.0052282855	0.014011400
## 3034	60	15.712531	15.520904	15.971492	2.710417e-02	0.0212540843	0.043603966
## 3035	60	15.580004	15.474223	15.722046	8.416427e-03	0.0118437231	0.025455628
## 3036	60	15.640963	15.523426	15.705762	2.806112e-03	0.0068387528	0.016513327
## 3037	60	15.504307	15.456141	15.555877	5.560069e-04	0.0030441390	0.011180792
## 3038	60	15.596487	15.554880	15.668343	1.544786e-03	0.0050740950	0.013781356
## 3039	60	15.489799	15.388466	15.630067	6.613304e-03	0.0104986541	0.022952815
## 3040	60	15.492095	15.382114	15.756629	1.491637e-02	0.0157672509	0.032925624
## 3041	60	15.633048	15.378281	15.770530	1.818422e-02	0.0174089158	0.036100256
## 3042	60	15.240845	15.099269	15.370638	9.681681e-03	0.0127028086	0.027069988
## 3043	60	15.017214	14.980919	15.095457	1.266077e-03	0.0045936138	0.013091961
## 3044	60	15.164289	15.041100	15.201966	1.511513e-03	0.0050191513	0.013694742
## 3045	60	15.043560	15.006779	15.144285	1.479394e-03	0.0049655373	0.013616699
## 3046	60	15.065937	15.032833	15.104821	5.375007e-04	0.0029930496	0.011117808
## 3047	60	14.966260	14.938214	15.027889	8.027604e-04	0.0036577779	0.011873306
## 3048	60	14.907929	14.859585	14.962098	1.542462e-03	0.0050702754	0.013765000
## 3049	60	14.906248	14.858998	14.954240	9.217390e-04	0.0039194791	0.012196305
## 3050	60	14.921302	14.906921	14.940012	1.108527e-04	0.0013592442	0.009774777
## 3051	60	14.874424	14.798293	14.924298	1.621856e-03	0.0051991282	0.013952344
## 3052	60	14.779877	14.766612	14.794619	6.199397e-05	0.0010164806	0.009606231

## 3053	60	14.693271	14.602054	14.785784	4.137529e-03	0.0083041448	0.018970468
## 3054	60	14.585006	14.560390	14.610010	2.881307e-04	0.0021913875	0.010345894
## 3055	60	14.548998	14.485971	14.611475	1.352248e-03	0.0047473647	0.013298450
## 3056	60	14.457528	14.445966	14.488179	1.307238e-04	0.0014760524	0.009831567
## 3057	60	14.597618	14.468597	14.697681	6.738195e-03	0.0105973228	0.023127082
## 3058	60	14.682037	14.643290	14.747069	9.267384e-04	0.0039300941	0.012206170
## 3059	60	14.652279	14.573190	14.746306	2.574466e-03	0.0065504026	0.016033972
## 3060	60	14.542447	14.510692	14.601546	6.600565e-04	0.0033167667	0.011464461
## 3061	60	14.713533	14.606139	14.776306	3.601971e-03	0.0077480864	0.018014148
## 3062	60	14.691405	14.628789	14.748944	9.223514e-04	0.0039207810	0.012194407
## 3063	60	14.572756	14.490661	14.624959	1.755414e-03	0.0054089643	0.014258465
## 3064	60	14.436697	14.365943	14.486850	8.230827e-04	0.0037037880	0.011919767
## 3065	60	14.323427	14.284259	14.362131	3.270232e-04	0.0023346062	0.010463498
## 3066	60	14.339052	14.258797	14.477334	6.328160e-03	0.0102698260	0.022521475
## 3067	60	14.418354	14.297019	14.489137	4.058426e-03	0.0082243806	0.018826336
## 3068	60	14.262417	14.227101	14.294735	3.524896e-04	0.0024238043	0.010541687
## 3069	60	14.216887	14.193569	14.253364	2.664234e-04	0.0021072235	0.010269541
## 3070	60	14.393659	14.246682	14.517590	5.919929e-03	0.0099330501	0.021903989
## 3071	60	14.570383	14.402524	14.674444	5.521567e-03	0.0095930243	0.021284975
## 3072	60	14.398914	14.351210	14.445538	1.144017e-03	0.0043665716	0.012771770
## 3073	60	14.310009	14.220127	14.430198	3.998140e-03	0.0081630676	0.018717755
## 3074	60	14.613974	14.330299	14.810666	2.213288e-02	0.0192062854	0.039592683
## 3075	60	14.735013	14.616145	14.811250	2.952498e-03	0.0070148622	0.016790356
## 3076	60	14.417829	14.273435	14.604303	9.958587e-03	0.0128831846	0.027405581
## 3077	60	14.215628	14.171430	14.271030	5.699076e-04	0.0030819572	0.011197355
## 3078	60	14.116954	14.100439	14.167619	3.123570e-04	0.0022816551	0.010413496
## 3079	60	14.165949	14.119550	14.214986	1.007218e-03	0.0040971898	0.012411552
## 3080	60	14.220792	14.164297	14.303722	1.209304e-03	0.0044894395	0.012936059
## 3081	60	14.484119	14.319746	14.638443	7.328554e-03	0.0110518128	0.023968820
## 3082	60	14.748187	14.617495	14.881319	7.151754e-03	0.0109176873	0.023721754
## 3083	60	14.604328	14.567170	14.712807	1.303894e-03	0.0046617137	0.013180258
## 3084	60	14.753787	14.650521	14.843305	4.061945e-03	0.0082279452	0.018836211
## 3085	60	14.642611	14.599769	14.696448	8.480082e-04	0.0037594508	0.011991841
## 3086	60	14.895711	14.704461	14.997456	7.802297e-03	0.0114034329	0.024626511
## 3087	60	14.910916	14.748319	14.998238	4.151629e-03	0.0083182819	0.018997641
## 3088	60	14.772372	14.663713	14.848152	2.921287e-03	0.0069776876	0.016729736
## 3089	60	14.631079	14.514306	14.857689	1.213817e-02	0.0142233173	0.029956676
## 3090	60	14.509897	14.426171	14.609285	4.552736e-03	0.0087108518	0.019692615
## 3091	60	14.594425	14.470571	14.644484	2.387581e-03	0.0063081708	0.015645604
## 3092	60	14.367931	14.160332	14.606198	1.947298e-02	0.0180152634	0.037271595
## 3093	60	14.184466	14.122462	14.272887	2.455580e-03	0.0063973695	0.015782576
## 3094	60	14.136892	14.108980	14.160662	2.012552e-04	0.0018314623	0.010057297
## 3095	60	14.128331	14.024624	14.178445	2.122359e-03	0.0059474914	0.015072801
## 3096	60	14.008138	13.980386	14.085043	6.640964e-04	0.0033269014	0.011466553
## 3097	60	14.144890	14.089615	14.208245	1.108597e-03	0.0042984436	0.012676542
## 3098	60	13.950602	13.833355	14.123264	6.207090e-03	0.0101711108	0.022336978
## 3099	60	13.763424	13.711691	13.921966	2.706042e-03	0.0067157055	0.016290296
## 3100	60	14.047562	13.931500	14.166525	5.603924e-03	0.0096643020	0.021410158
## 3101	60	14.434171	14.183701	14.779295	3.750212e-02	0.0250007079	0.050968726
## 3102	60	15.032839	14.796848	15.212970	1.420255e-02	0.0153853581	0.032187089
## 3103	60	15.086281	14.987957	15.200091	7.127990e-03	0.0108995339	0.023690705
## 3104	60	15.163687	15.022240	15.251557	4.486064e-03	0.0086468342	0.019584489
## 3105	60	15.106043	15.067721	15.136702	3.822297e-04	0.0025239838	0.010650477
## 3106	60	15.189821	15.071651	15.273352	4.366250e-03	0.0085305820	0.019377444

## 3107	60	15.217314	15.085352	15.295499	4.878721e-03	0.0090173174	0.020248957
## 3108	60	15.030742	14.992374	15.087797	5.923015e-04	0.0031419249	0.011278016
## 3109	60	14.896005	14.822332	15.005644	3.166348e-03	0.0072644656	0.017205447
## 3110	60	14.960263	14.889742	15.023920	1.257286e-03	0.0045776377	0.013068762
## 3111	60	14.774883	14.647122	14.894627	6.038429e-03	0.0100319727	0.022088442
## 3112	60	14.933810	14.861129	14.990967	1.810041e-03	0.0054924813	0.014388945
## 3113	60	15.095729	14.919997	15.154448	2.757834e-03	0.0067796678	0.016410055
## 3114	60	15.085255	15.060020	15.110078	2.144622e-04	0.0018906006	0.010120038
## 3115	60	15.156338	15.082265	15.212306	1.095461e-03	0.0042729015	0.012659209
## 3116	60	15.187592	15.167153	15.215493	1.632726e-04	0.0016496091	0.009954967
## 3117	60	15.178697	15.101634	15.229213	1.879597e-03	0.0055970183	0.014550098
## 3118	60	15.122668	15.109512	15.134452	4.161048e-05	0.0008327713	0.009543879
## 3119	60	15.151693	15.134004	15.168698	1.241293e-04	0.0014383398	0.009824137
## 3120	60	15.172891	15.125990	15.208573	4.509667e-04	0.0027415528	0.010861510
## 3121	60	15.241377	15.211251	15.309434	7.611739e-04	0.0035617738	0.011762903
## 3122	60	15.306622	15.238498	15.336449	8.304597e-04	0.0037203488	0.011955029
## 3123	60	15.213747	14.993155	15.281482	5.404243e-03	0.0094905589	0.021104275
## 3124	60	14.838402	14.759888	14.977891	4.040947e-03	0.0082066507	0.018799938
## 3125	60	14.960031	14.879559	15.053551	1.749227e-03	0.0053994247	0.014250560
## 3126	60	14.848573	14.715661	15.070245	1.431874e-02	0.0154481596	0.032307026
## 3127	60	14.587031	14.396134	14.764678	9.382744e-03	0.0125051618	0.026692356
## 3128	60	14.459210	14.302844	14.688904	1.637375e-02	0.0165195566	0.034371514
## 3129	60	14.960108	14.688144	15.077103	1.514774e-02	0.0158890636	0.033156327
## 3130	60	14.981067	14.923711	15.026344	1.131452e-03	0.0043425269	0.012749052
## 3131	60	15.031167	14.976698	15.057461	4.630418e-04	0.0027780141	0.010894993
## 3132	60	15.038550	14.972788	15.128452	1.468199e-03	0.0049467145	0.013589459
## 3133	60	15.088052	15.036586	15.128393	9.839729e-04	0.0040496355	0.012365520
## 3134	60	15.081972	15.038444	15.138282	1.148114e-03	0.0043743833	0.012793693
## 3135	60	15.204408	15.111331	15.257460	2.235641e-03	0.0061041528	0.015332165
## 3136	60	15.206377	15.163636	15.240317	4.393235e-04	0.0027059304	0.010826909
## 3137	60	15.276479	15.224327	15.336254	1.676869e-03	0.0052865701	0.014087254
## 3138	60	15.262517	15.112404	15.322983	4.902819e-03	0.0090395605	0.020289250
## 3139	60	15.067880	15.039399	15.102845	1.819534e-04	0.0017414239	0.010013960
## 3140	60	14.994511	14.808358	15.108651	5.322699e-03	0.0094186859	0.020972274
## 3141	60	14.764509	14.701666	14.837167	1.564743e-03	0.0051067646	0.013816089
## 3142	60	15.015932	14.839455	15.109532	7.966479e-03	0.0115227886	0.024850252
## 3143	60	14.980319	14.916246	15.081502	1.428708e-03	0.0048797339	0.013493066
## 3144	60	15.035914	14.907001	15.170594	7.890616e-03	0.0114677929	0.024748016
## 3145	60	14.827993	14.735460	15.039576	6.691408e-03	0.0105604674	0.023061889
## 3146	60	14.826184	14.654784	14.926350	6.243151e-03	0.0102006137	0.022398130
## 3147	60	14.703511	14.566233	14.807517	6.599517e-03	0.0104877045	0.022925633
## 3148	60	14.880695	14.791786	14.956761	2.074352e-03	0.0058798411	0.014978893
## 3149	60	14.907453	14.779979	15.060804	7.347894e-03	0.0110663861	0.023999343
## 3150	60	14.902947	14.807284	14.937179	9.681299e-04	0.0040169017	0.012320151
## 3151	60	14.541444	14.264580	14.794325	1.964056e-02	0.0180926131	0.037423014
## 3152	60	14.347184	14.171742	14.570687	2.114683e-02	0.0187735748	0.038747624
## 3153	60	14.409080	14.090004	14.632992	3.938005e-02	0.0256190183	0.052188368
## 3154	60	14.345023	14.057667	14.557419	3.887395e-02	0.0254538638	0.051862058
## 3155	60	14.319921	14.072145	14.554117	2.489037e-02	0.0203676074	0.041860899
## 3156	60	14.007382	13.931636	14.084749	2.256261e-03	0.0061322392	0.015360161
## 3157	60	13.946396	13.927259	13.977574	2.591087e-04	0.0020780950	0.010240499
## 3158	60	13.902552	13.776635	13.981052	3.909999e-03	0.0080725862	0.018557566
## 3159	60	13.676854	13.604879	13.777066	4.175861e-03	0.0083425223	0.019028407
## 3160	60	13.670269	13.569948	13.740040	2.521890e-03	0.0064831712	0.015912773

## 3161	60	13.560998	13.523957	13.587061	2.462528e-04	0.0020258858	0.010191206
## 3162	60	13.626265	13.498070	13.892734	2.331282e-02	0.0197115941	0.040574825
## 3163	60	13.889272	13.824192	13.952895	1.898807e-03	0.0056255475	0.014574933
## 3164	60	13.945573	13.833903	14.038928	4.819291e-03	0.0089622271	0.020137929
## 3165	60	13.778673	13.684144	13.865654	3.133098e-03	0.0072262229	0.017127954
## 3166	60	13.696322	13.540153	13.838631	9.916059e-03	0.0128556468	0.027347964
## 3167	60	13.530666	13.497230	13.600444	4.384270e-04	0.0027031679	0.010792300
## 3168	60	13.575799	13.482734	13.642059	2.628667e-03	0.0066189972	0.016130105
## 3169	60	13.451290	13.336312	13.536128	3.972089e-03	0.0081364298	0.018661997
## 3170	60	13.425870	13.343246	13.636277	8.191532e-03	0.0116844139	0.025141034
## 3171	60	13.534605	13.433288	13.635573	2.411762e-03	0.0063400338	0.015682717
## 3172	60	13.396805	13.316619	13.540681	4.393570e-03	0.0085572290	0.019407894
## 3173	60	13.380681	13.232597	13.548125	8.312870e-03	0.0117706345	0.025301866
## 3174	60	13.190515	13.156393	13.231074	5.152131e-04	0.0029303387	0.011016198
## 3175	60	13.229335	13.187512	13.284054	4.117418e-04	0.0026196113	0.010704701
## 3176	60	13.309483	13.192690	13.407149	3.805045e-03	0.0079635051	0.018364566
## 3177	60	13.190170	13.139514	13.237091	6.932859e-04	0.0033992300	0.011534360
## 3178	60	13.119477	13.063606	13.243264	3.101222e-03	0.0071893692	0.017059159
## 3179	60	13.275244	13.199017	13.314783	9.659410e-04	0.0040123580	0.012286631
## 3180	60	13.305895	13.183331	13.392576	6.189187e-03	0.0101564321	0.022303694
## 3181	60	13.244242	13.119571	13.389526	6.980918e-03	0.0107865021	0.023466228
## 3182	60	13.074104	13.035573	13.116524	3.348274e-04	0.0023622990	0.010463013
## 3183	60	12.995128	12.961659	13.033289	2.353969e-04	0.0019807275	0.010144791
## 3184	60	12.942576	12.930191	12.958612	3.656244e-05	0.0007806242	0.009478459
## 3185	60	12.889989	12.843327	12.943005	7.821491e-04	0.0036105150	0.011779148
## 3186	60	12.836489	12.814515	12.850729	1.162321e-04	0.0013918341	0.009747964
## 3187	60	12.863458	12.829479	12.898820	5.853781e-04	0.0031235079	0.011216990
## 3188	60	12.933798	12.842037	13.082671	7.310667e-03	0.0110383174	0.023931108
## 3189	60	13.069949	13.037957	13.104744	3.969596e-04	0.0025721574	0.010655789
## 3190	60	13.044639	12.972225	13.108533	2.013686e-03	0.0057932227	0.014819297
## 3191	60	13.007458	12.983673	13.095486	1.094253e-03	0.0042705450	0.012620912
## 3192	60	13.230850	13.089996	13.304430	5.188584e-03	0.0092992690	0.020739263
## 3193	60	13.246734	13.182998	13.286965	5.393925e-04	0.0029983120	0.011089015
## 3194	60	13.169289	13.113769	13.241193	2.010451e-03	0.0057885684	0.014814009
## 3195	60	13.155750	13.066085	13.216013	2.921709e-03	0.0069781906	0.016710077
## 3196	60	13.186025	13.112753	13.223963	1.185878e-03	0.0044457442	0.012858933
## 3197	60	13.168963	13.111757	13.228554	1.425412e-03	0.0048741023	0.013456170
## 3198	60	13.060391	12.999613	13.109081	1.417611e-03	0.0048607458	0.013435280
## 3199	60	13.057842	12.961406	13.145941	4.374366e-03	0.0085385069	0.019370655
## 3200	60	12.995192	12.956677	13.041864	8.290026e-04	0.0037170836	0.011910644
## 3201	60	12.956143	12.869091	13.029441	2.986613e-03	0.0070552734	0.016834687
## 3202	60	12.886981	12.790431	13.097321	7.153972e-03	0.0109193802	0.023710276
## 3203	60	13.027484	12.901593	13.159010	6.035038e-03	0.0100291560	0.022068096
## 3204	60	12.786036	12.699411	12.896593	4.675976e-03	0.0088279629	0.019885886
## 3205	60	12.776639	12.735995	12.814615	4.269651e-04	0.0026675991	0.010742119
## 3206	60	12.794452	12.732987	12.843678	8.807903e-04	0.0038314276	0.012048989
## 3207	60	12.682713	12.654352	12.724608	3.266323e-04	0.0023332107	0.010429443
## 3208	60	12.700176	12.669607	12.733653	2.556190e-04	0.0020640535	0.010203837
## 3209	60	12.737101	12.722071	12.761799	8.789142e-05	0.0012103128	0.009650202
## 3210	60	12.720586	12.704980	12.730097	3.784267e-05	0.0007941733	0.009477856
## 3211	60	12.762418	12.702245	12.840281	2.378822e-03	0.0062965886	0.015603011
## 3212	60	12.777446	12.705955	12.808401	1.129465e-03	0.0043387113	0.012707380
## 3213	60	12.739313	12.692069	12.774710	5.216255e-04	0.0029485179	0.011026631
## 3214	60	12.677150	12.644099	12.733243	5.533990e-04	0.0030369915	0.011119971

## 3215	60	12.610516	12.593571	12.637614	1.741735e-04	0.0017037872	0.009936550
## 3216	60	12.673075	12.597634	12.761602	3.071112e-03	0.0071543832	0.016995244
## 3217	60	12.870836	12.764884	12.963710	4.082987e-03	0.0082492293	0.018854970
## 3218	60	12.675448	12.610406	12.762208	2.216124e-03	0.0060774498	0.015256070
## 3219	60	12.610137	12.528904	12.813970	6.171460e-03	0.0101418771	0.022271959
## 3220	60	12.759969	12.683808	12.823130	3.045091e-03	0.0071240100	0.016945705
## 3221	60	12.683249	12.626091	12.732345	9.894324e-04	0.0040608547	0.012339329
## 3222	60	12.786929	12.740724	12.840944	8.466853e-04	0.0037565173	0.011955733
## 3223	60	12.806642	12.732987	12.915229	3.560631e-03	0.0077034958	0.017916947
## 3224	60	12.702702	12.599119	12.896339	7.230690e-03	0.0109777733	0.023817079
## 3225	60	12.776735	12.696580	12.830493	2.060452e-03	0.0058601081	0.014918561
## 3226	60	12.786409	12.624568	12.886825	5.741646e-03	0.0097823364	0.021614035
## 3227	60	12.522290	12.493436	12.615798	1.136257e-03	0.0043517367	0.012721741
## 3228	60	12.575546	12.508514	12.696972	4.285668e-03	0.0084514968	0.019211299
## 3229	60	12.617858	12.543785	12.705584	3.166407e-03	0.0072645336	0.017177505
## 3230	60	12.579600	12.516032	12.670134	2.846962e-03	0.0068883499	0.016555813
## 3231	60	12.639407	12.549957	12.706697	2.036530e-03	0.0058259913	0.014864132
## 3232	60	12.594261	12.578142	12.632986	1.456213e-04	0.0015578903	0.009841746
## 3233	60	12.679443	12.597770	12.813071	2.379950e-03	0.0062980815	0.015605019
## 3234	60	12.961199	12.821079	13.048935	3.505702e-03	0.0076438448	0.017817667
## 3235	60	12.725498	12.586910	12.905090	1.051089e-02	0.0132356178	0.028061736
## 3236	60	12.598992	12.543025	12.625467	4.503490e-04	0.0027396746	0.010809638
## 3237	60	12.488132	12.396565	12.541540	2.067821e-03	0.0058705775	0.014930717
## 3238	60	12.416073	12.391115	12.453711	3.396581e-04	0.0023792790	0.010464934
## 3239	60	12.506175	12.460195	12.532439	2.570733e-04	0.0020699168	0.010204399
## 3240	60	12.652970	12.532145	12.727421	3.950861e-03	0.0081146582	0.018615566
## 3241	60	12.719805	12.658161	12.887568	3.794427e-03	0.0079523868	0.018339670
## 3242	60	12.760833	12.594117	12.923452	1.111807e-02	0.0136125354	0.028778575
## 3243	60	12.541775	12.493221	12.593474	1.169533e-03	0.0044149997	0.012806892
## 3244	60	12.562898	12.505642	12.676619	4.103533e-03	0.0082699582	0.018888807
## 3245	60	12.529941	12.477383	12.663650	3.437871e-03	0.0075695340	0.017687803
## 3246	60	12.465654	12.387034	12.527575	2.066021e-03	0.0058680228	0.014926568
## 3247	60	12.401832	12.373872	12.457226	5.728244e-04	0.0030898339	0.011171974
## 3248	60	12.549749	12.445136	12.840201	1.377763e-02	0.0151534526	0.031726517
## 3249	60	12.944994	12.852019	13.016137	1.333498e-03	0.0047143368	0.013226857
## 3250	60	12.803754	12.747306	12.882432	1.152716e-03	0.0043831417	0.012768469
## 3251	60	12.800824	12.706073	12.864559	2.092783e-03	0.0059059051	0.014989954
## 3252	60	12.717165	12.671366	12.759592	7.831809e-04	0.0036128956	0.011778770
## 3253	60	12.528199	12.407854	12.663358	5.989716e-03	0.0099914261	0.021994610
## 3254	60	12.469433	12.397970	12.529626	1.773796e-03	0.0054372115	0.014269971
## 3255	60	12.364788	12.299990	12.405079	1.306974e-03	0.0046672163	0.013151222
## 3256	60	12.296390	12.264446	12.321121	2.200095e-04	0.0019148956	0.010080185
## 3257	60	12.274938	12.235211	12.305965	5.143964e-04	0.0029280152	0.010996219
## 3258	60	12.381100	12.283273	12.502928	4.710353e-03	0.0088603549	0.019940269
## 3259	60	12.451718	12.418341	12.475898	3.237392e-04	0.0023228547	0.010415361
## 3260	60	12.682880	12.471620	12.942145	2.543302e-02	0.0205884344	0.042285581
## 3261	60	12.961434	12.827956	13.046375	3.023720e-03	0.0070989672	0.016907044
## 3262	60	12.597933	12.504313	12.816509	8.536757e-03	0.0119280882	0.025591622
## 3263	60	12.567450	12.491073	12.619801	1.380865e-03	0.0047973345	0.013337606
## 3264	60	12.866782	12.591931	13.051163	1.805209e-02	0.0173455511	0.035962309
## 3265	60	12.711770	12.599293	12.863660	6.365127e-03	0.0102997792	0.022562759
## 3266	60	12.621986	12.415039	12.740586	7.993606e-03	0.0115423901	0.024868309
## 3267	60	12.362920	12.289933	12.415139	1.194138e-03	0.0044612001	0.012866869
## 3268	60	12.270591	12.202733	12.494529	5.270411e-03	0.0093723092	0.020864187

## 3269	60	12.475640	12.376019	12.637281	7.302359e-03	0.0110320433	0.023915839
## 3270	60	12.450143	12.364047	12.627341	4.750170e-03	0.0088977249	0.020008577
## 3271	60	12.387453	12.325358	12.453691	1.718902e-03	0.0053524162	0.014142103
## 3272	60	12.395231	12.306474	12.483729	5.335036e-03	0.0094295952	0.020968043
## 3273	60	12.453180	12.396506	12.499296	6.113327e-04	0.0031920022	0.011285249
## 3274	60	12.464775	12.433340	12.488690	3.314752e-04	0.0023504441	0.010439952
## 3275	60	12.448200	12.337701	12.582945	8.541558e-03	0.0119314414	0.025596144
## 3276	60	12.488942	12.321395	12.603259	7.575072e-03	0.0112361556	0.024295514
## 3277	60	12.221062	12.157680	12.318738	2.597811e-03	0.0065800347	0.016050018
## 3278	60	12.341303	12.169905	12.420860	5.374216e-03	0.0094641565	0.021030241
## 3279	60	12.460269	12.358950	12.552438	3.504318e-03	0.0076423359	0.017809301
## 3280	60	12.297064	12.233278	12.406407	1.738496e-03	0.0053828367	0.014186784
## 3281	60	12.390656	12.256106	12.547673	1.245599e-02	0.0144083229	0.030295407
## 3282	60	12.550829	12.450644	12.641482	3.364996e-03	0.0074888765	0.017551873
## 3283	60	12.550467	12.488787	12.650448	2.343871e-03	0.0062501609	0.015526809
## 3284	60	12.631021	12.596441	12.681015	8.739010e-04	0.0038164142	0.012027396
## 3285	60	12.475953	12.320574	12.610701	1.019703e-02	0.0130365040	0.027681855
## 3286	60	12.296494	12.243297	12.347370	1.175606e-03	0.0044264466	0.012818434
## 3287	60	12.298131	12.265441	12.333132	4.857013e-04	0.0028451751	0.010910804
## 3288	60	12.268581	12.234860	12.301142	4.567855e-04	0.0027591830	0.010822907
## 3289	60	12.389440	12.304951	12.483534	1.619098e-03	0.0051947056	0.013909133
## 3290	60	12.429543	12.304716	12.501794	2.438960e-03	0.0063756824	0.015724440
## 3291	60	12.240317	12.190098	12.297861	8.054192e-04	0.0036638303	0.011832405
## 3292	60	12.388819	12.266888	12.643377	1.146547e-02	0.0138235717	0.029178818
## 3293	60	12.516601	12.292979	12.681580	1.736407e-02	0.0170117970	0.035313035
## 3294	60	12.194857	12.152077	12.286884	1.062525e-03	0.0042081760	0.012524713
## 3295	60	12.211215	12.104094	12.432638	1.320081e-02	0.0148328540	0.031108282
## 3296	60	12.316521	12.230701	12.440840	3.647661e-03	0.0077970730	0.018070101
## 3297	60	12.238717	12.112336	12.324674	3.575212e-03	0.0077192533	0.017936756
## 3298	60	12.101458	12.051036	12.160122	1.336466e-03	0.0047195792	0.013220717
## 3299	60	12.175327	12.070194	12.263762	6.203281e-03	0.0101679900	0.022315194
## 3300	60	12.230559	12.162193	12.278898	8.502870e-04	0.0037644986	0.011955811
## 3301	60	12.245904	12.050547	12.425860	1.479218e-02	0.0157014755	0.032778794
## 3302	60	12.055997	12.029029	12.094467	3.669835e-04	0.0024731341	0.010543142
## 3303	60	12.139140	12.046564	12.188010	2.459556e-03	0.0064025467	0.015763201
## 3304	60	12.087162	12.038929	12.177717	2.162073e-03	0.0060028781	0.015131359
## 3305	60	12.017391	11.985365	12.045628	2.691649e-04	0.0021180371	0.010233289
## 3306	60	12.041286	11.996671	12.088531	1.135642e-03	0.0043505595	0.012711517
## 3307	60	12.043935	12.020027	12.081052	2.433261e-04	0.0020138110	0.010150853
## 3308	60	12.080218	11.979427	12.143249	3.310496e-03	0.0074279837	0.017443772
## 3309	60	12.130614	12.011493	12.235933	4.916857e-03	0.0090524927	0.020283452
## 3310	60	11.988399	11.961521	12.030826	3.422141e-04	0.0023882144	0.010464530
## 3311	60	12.330904	12.041898	12.495115	1.379857e-02	0.0151649675	0.031746513
## 3312	60	12.124025	12.079724	12.244293	1.635940e-03	0.0052216540	0.013945222
## 3313	60	12.214115	12.148209	12.277472	1.639178e-03	0.0052268191	0.013953331
## 3314	60	12.002234	11.868962	12.200371	6.400291e-03	0.0103281901	0.022609432
## 3315	60	11.979411	11.864217	12.061817	3.225787e-03	0.0073323331	0.017282764
## 3316	60	12.349767	12.062969	12.541307	2.172004e-02	0.0190263169	0.039230112
## 3317	60	12.203855	12.122296	12.326530	3.602350e-03	0.0077484945	0.017986338
## 3318	60	12.057800	11.967126	12.239821	5.695779e-03	0.0097431849	0.021536799
## 3319	60	12.219453	11.966755	12.356175	1.709401e-02	0.0168789883	0.035053877
## 3320	60	12.414015	12.297628	12.482303	2.840347e-03	0.0068803429	0.016540333
## 3321	60	12.412605	12.274308	12.631560	1.832773e-02	0.0174774771	0.036216065
## 3322	60	12.542084	12.413283	12.638298	4.766091e-03	0.0089126229	0.020035456



## 3323	60	12.367592	12.246617	12.537068	7.715600e-03	0.0113399004	0.024488456
## 3324	60	12.293509	12.094311	12.538278	2.415496e-02	0.0200644637	0.041258141
## 3325	60	12.015443	11.952401	12.090113	1.527727e-03	0.0050460000	0.013685970
## 3326	60	11.944993	11.897237	11.996768	9.184019e-04	0.0039123776	0.012136416
## 3327	60	11.954565	11.922330	11.989484	3.758014e-04	0.0025026700	0.010568474
## 3328	60	11.984406	11.914577	12.022975	1.566165e-03	0.0051090847	0.013776774
## 3329	60	11.991173	11.970134	12.005284	6.978491e-05	0.0010784627	0.009572003
## 3330	60	12.009141	11.952752	12.065820	1.364052e-03	0.0047680390	0.013287508
## 3331	60	11.957243	11.893879	12.021900	1.548587e-03	0.0050803333	0.013734842
## 3332	60	11.866257	11.778769	11.979798	3.249020e-03	0.0073586908	0.017325819
## 3333	60	12.020117	11.966520	12.105189	1.723703e-03	0.0053598866	0.014148106
## 3334	60	11.886152	11.834671	11.962731	1.532930e-03	0.0050545856	0.013696500
## 3335	60	11.825336	11.745318	11.905849	2.802691e-03	0.0068345830	0.016458196
## 3336	60	11.744628	11.704822	11.770098	4.094489e-04	0.0026123071	0.010668122
## 3337	60	11.761843	11.675474	11.859628	2.936921e-03	0.0069963339	0.016723009
## 3338	60	11.713810	11.672859	11.789741	1.274651e-03	0.0046091410	0.013060549
## 3339	60	11.677469	11.640855	11.715717	5.298197e-04	0.0029715869	0.011031005
## 3340	60	11.678333	11.595907	11.770333	4.548734e-03	0.0087070222	0.019658345
## 3341	60	11.615241	11.588567	11.639918	3.630257e-04	0.0024597617	0.010521843
## 3342	60	11.682569	11.623439	11.770410	2.590112e-03	0.0065702767	0.016027157
## 3343	60	11.843036	11.764045	11.944142	1.824662e-03	0.0055146192	0.014377941
## 3344	60	11.958150	11.898565	12.037465	1.759111e-03	0.0054146580	0.014228972
## 3345	60	12.177666	11.993116	12.281184	6.244582e-03	0.0102017825	0.022377466
## 3346	60	11.859250	11.786577	11.978237	2.245825e-03	0.0061180407	0.015309132
## 3347	60	11.794235	11.737138	11.857831	1.556746e-03	0.0050936988	0.013751833
## 3348	60	11.889859	11.761135	11.948964	2.731669e-03	0.0067474304	0.016316579
## 3349	60	12.118058	11.955447	12.201894	4.367170e-03	0.0085314810	0.019348903
## 3350	60	11.904891	11.766875	12.112141	1.688276e-02	0.0167743661	0.034849867
## 3351	60	12.043315	11.774687	12.231891	3.068299e-02	0.0226137813	0.046257010
## 3352	60	12.032844	11.953046	12.134267	2.773950e-03	0.0067994482	0.016403709
## 3353	60	12.174783	11.996886	12.311492	1.026871e-02	0.0130822462	0.027766499
## 3354	60	12.296245	12.207402	12.323346	7.407625e-04	0.0035136934	0.011652238
## 3355	60	12.193282	12.144831	12.290655	1.752557e-03	0.0054045620	0.014217563
## 3356	60	12.139655	12.014362	12.260969	6.229058e-03	0.0101890940	0.022353963
## 3357	60	11.889774	11.809581	12.104035	5.891646e-03	0.0099092933	0.021839276
## 3358	60	11.962127	11.850138	12.117120	8.764332e-03	0.0120860334	0.025883142
## 3359	60	11.911002	11.817216	12.104662	5.411529e-03	0.0094969552	0.021086984
## 3360	60	12.008521	11.902704	12.167269	8.464799e-03	0.0118777098	0.025492115
## 3361	60	11.841787	11.807531	11.901552	9.477192e-04	0.0039743326	0.012213776
## 3362	60	11.839499	11.771446	11.897431	1.057020e-03	0.0041972614	0.012503808
## 3363	60	11.888390	11.772852	11.940628	2.570466e-03	0.0065453113	0.015989111
## 3364	60	11.958605	11.892686	12.125244	2.830313e-03	0.0068681795	0.016515920
## 3365	60	12.050883	11.893469	12.230562	1.288373e-02	0.0146536296	0.030763266
## 3366	60	11.977372	11.887122	12.089781	4.647642e-03	0.0088011760	0.019830125
## 3367	60	11.794709	11.703493	11.889935	4.679966e-03	0.0088317286	0.019883040
## 3368	60	11.770094	11.690254	11.833422	2.349083e-03	0.0062571060	0.015526861
## 3369	60	11.661115	11.606842	11.698945	4.935261e-04	0.0028680019	0.010922229
## 3370	60	11.559225	11.499630	11.641988	2.379062e-03	0.0062969071	0.015587516
## 3371	60	11.577120	11.519584	11.646206	2.144047e-03	0.0059778025	0.015084907
## 3372	60	11.547338	11.491448	11.594834	1.083865e-03	0.0042502246	0.012569032
## 3373	60	11.474970	11.447986	11.527197	2.928731e-04	0.0022093481	0.010298546
## 3374	60	11.455919	11.441056	11.469150	5.956615e-05	0.0009963780	0.009525231
## 3375	60	11.440575	11.411125	11.487914	5.293482e-04	0.0029702644	0.011025313
## 3376	60	11.382934	11.282285	11.487522	4.154973e-03	0.0083216316	0.018968602

## 3377	60	11.325793	11.264500	11.402670	2.087752e-03	0.0058988026	0.014958613
## 3378	60	11.469277	11.409544	11.486703	3.183389e-04	0.0023033991	0.010378531
## 3379	60	11.474293	11.453824	11.494885	1.401765e-04	0.0015284881	0.009799443
## 3380	60	11.427823	11.404546	11.453512	1.665578e-04	0.0016661221	0.009886487
## 3381	60	11.344931	11.314674	11.401029	6.083748e-04	0.0031842708	0.011256373
## 3382	60	11.425787	11.354329	11.448493	5.965865e-04	0.0031532695	0.011222846
## 3383	60	11.614283	11.440977	11.757465	7.017920e-03	0.0108150509	0.023505736
## 3384	60	11.473206	11.405618	11.547154	1.530073e-03	0.0050498734	0.013683346
## 3385	60	11.413661	11.387968	11.429146	1.664495e-04	0.0016655804	0.009885617
## 3386	60	11.591690	11.407082	11.846388	2.197071e-02	0.0191357920	0.039440235
## 3387	60	11.680987	11.505877	11.862518	1.526159e-02	0.0159486626	0.033252169
## 3388	60	11.451487	11.417684	11.501309	5.532327e-04	0.0030365349	0.011096396
## 3389	60	11.468370	11.435216	11.490276	2.654929e-04	0.0021035403	0.010210214
## 3390	60	11.603296	11.461673	11.799623	7.609772e-03	0.0112618620	0.024337047
## 3391	60	11.832575	11.708727	11.992588	5.903723e-03	0.0099194445	0.021856885
## 3392	60	11.859472	11.794583	11.925219	1.119701e-03	0.0043199168	0.012667632
## 3393	60	11.914367	11.809443	12.036137	4.358071e-03	0.0085225883	0.019331431
## 3394	60	11.827744	11.628826	12.038187	1.915099e-02	0.0178656989	0.036967097
## 3395	60	11.464395	11.380022	11.638551	7.493635e-03	0.0111755946	0.024174978
## 3396	60	11.388128	11.314129	11.427232	1.383487e-03	0.0048018860	0.013325444
## 3397	60	11.313927	11.288670	11.333808	2.183581e-04	0.0019076954	0.010054416
## 3398	60	11.249824	11.214480	11.302453	6.073182e-04	0.0031815044	0.011251476
## 3399	60	11.225252	11.198725	11.275862	6.427497e-04	0.0032729947	0.011353816
## 3400	60	11.326562	11.215829	11.412881	3.739068e-03	0.0078941624	0.018223547
## 3401	60	11.285684	11.225706	11.394450	2.793943e-03	0.0068239082	0.016434288
## 3402	60	11.417222	11.353293	11.474773	9.884672e-04	0.0040588735	0.012315528
## 3403	60	11.363229	11.311767	11.392167	5.297213e-04	0.0029713110	0.011024620
## 3404	60	11.254082	11.204076	11.333458	1.229519e-03	0.0045268067	0.012939381
## 3405	60	11.171593	11.126610	11.243941	1.725080e-03	0.0053620278	0.014138650
## 3406	60	11.183545	11.138460	11.235333	7.038851e-04	0.0034251158	0.011528360
## 3407	60	11.189819	11.137777	11.240290	1.317694e-03	0.0046863165	0.013159544
## 3408	60	11.112822	11.077861	11.169968	1.119277e-03	0.0043190987	0.012654147
## 3409	60	11.088373	11.044167	11.112201	3.320260e-04	0.0023523961	0.010414244
## 3410	60	11.063591	11.006079	11.154840	2.223796e-03	0.0060879607	0.015250650
## 3411	60	11.147001	11.124187	11.162550	1.107207e-04	0.0013584347	0.009693234
## 3412	60	11.088811	11.052698	11.145039	8.118105e-04	0.0036783387	0.011829878
## 3413	60	11.081090	11.051936	11.098066	1.799021e-04	0.0017315799	0.009923238
## 3414	60	11.228147	11.078174	11.470576	1.730618e-02	0.0169834135	0.035251269
## 3415	60	11.479019	11.421042	11.498888	3.623479e-04	0.0024574646	0.010516945
## 3416	60	11.230120	11.142324	11.420670	7.131022e-03	0.0109018518	0.023664074
## 3417	60	11.092394	11.041414	11.226645	2.927703e-03	0.0069853459	0.016697049
## 3418	60	10.995429	10.961920	11.039891	4.459901e-04	0.0027263838	0.010765828
## 3419	60	11.138907	11.030053	11.239862	5.659873e-03	0.0097124260	0.021471772
## 3420	60	11.020684	10.984468	11.109916	1.083417e-03	0.0042493470	0.012559856
## 3421	60	10.971019	10.926410	11.039208	1.958648e-03	0.0057135048	0.014667637
## 3422	60	10.918264	10.909699	10.930901	2.179767e-05	0.0006027391	0.009382380
## 3423	60	10.909585	10.895000	10.927017	1.115051e-04	0.0013632380	0.009690853
## 3424	60	10.930579	10.897947	10.981285	4.053914e-04	0.0025993314	0.010640269
## 3425	60	11.003631	10.963561	11.032609	3.687455e-04	0.0024790641	0.010527699
## 3426	60	10.943643	10.930277	10.963189	5.373156e-05	0.0009463224	0.009494074
## 3427	60	10.923297	10.910951	10.934081	4.952434e-05	0.0009085184	0.009478890
## 3428	60	10.910089	10.897205	10.931761	8.576207e-05	0.0011955617	0.009603424
## 3429	60	10.978327	10.919852	11.026713	1.748077e-03	0.0053976491	0.014188729
## 3430	60	10.959891	10.938710	11.018182	3.777488e-04	0.0025091458	0.010555431

## 3431	60	10.940364	10.923171	10.958522	7.692812e-05	0.0011323141	0.009573782
## 3432	60	10.902030	10.880262	10.941051	4.217072e-04	0.0026511229	0.010689669
## 3433	60	10.907407	10.887679	10.932541	1.529525e-04	0.0015966239	0.009830262
## 3434	60	11.130803	10.944741	11.197535	5.204544e-03	0.0093135598	0.020745801
## 3435	60	10.985231	10.952141	11.066889	9.180447e-04	0.0039116168	0.012119531
## 3436	60	11.047591	10.986868	11.104333	1.162932e-03	0.0044025215	0.012765742
## 3437	60	11.080948	11.034229	11.127117	1.141404e-03	0.0043615828	0.012710678
## 3438	60	11.057676	10.996962	11.122997	2.016627e-03	0.0057974516	0.014797904
## 3439	60	11.125002	10.995440	11.197126	3.184249e-03	0.0072849725	0.017193304
## 3440	60	11.103667	10.980369	11.173210	5.116531e-03	0.0092344748	0.020602328
## 3441	60	10.998229	10.921881	11.139671	4.385077e-03	0.0085489537	0.019369726
## 3442	60	10.899622	10.854749	10.994892	1.228416e-03	0.0045247768	0.012931160
## 3443	60	10.982276	10.903981	11.121981	3.592911e-03	0.0077383367	0.017955181
## 3444	60	11.165985	11.105720	11.254308	1.968945e-03	0.0057285033	0.014693681
## 3445	60	11.298019	11.198902	11.373540	2.938682e-03	0.0069984307	0.016720425
## 3446	60	11.062110	10.969827	11.193963	4.691323e-03	0.0088424381	0.019895654
## 3447	60	11.015487	10.962468	11.075791	1.298719e-03	0.0046524534	0.013109561
## 3448	60	11.028146	10.975039	11.090960	1.420575e-03	0.0048658248	0.013411232
## 3449	60	11.020988	10.977324	11.046373	4.209864e-04	0.0026488563	0.010689499
## 3450	60	10.969809	10.911887	11.048325	1.645625e-03	0.0052370879	0.013950187
## 3451	60	10.935636	10.852014	11.048520	4.093621e-03	0.0082599643	0.018854884
## 3452	60	10.841000	10.824938	10.857246	8.494072e-05	0.0011898229	0.009599011
## 3453	60	10.835917	10.776703	10.857170	5.122653e-04	0.0029219438	0.010962449
## 3454	60	10.792678	10.764893	10.810884	1.388872e-04	0.0015214422	0.009780641
## 3455	60	10.738441	10.721031	10.758921	7.232021e-05	0.0010978783	0.009553656
## 3456	60	10.713779	10.700243	10.728195	7.661737e-05	0.0011300249	0.009567735
## 3457	60	10.714996	10.696457	10.734929	1.517411e-04	0.0015902890	0.009822055
## 3458	60	10.749287	10.702098	10.809264	7.687390e-04	0.0035794296	0.011703898
## 3459	60	10.793816	10.772899	10.810027	1.679600e-04	0.0016731208	0.009877645
## 3460	60	10.816243	10.775181	10.840733	3.439803e-04	0.0023943696	0.010446448
## 3461	60	10.831124	10.785175	10.862361	6.739430e-04	0.0033514749	0.011436092
## 3462	60	10.782678	10.758939	10.802998	1.249472e-04	0.0014430707	0.009733609
## 3463	60	10.759616	10.730362	10.800030	5.567414e-04	0.0030461490	0.011093668
## 3464	60	10.790235	10.753768	10.890568	1.436089e-03	0.0048923219	0.013446036
## 3465	60	10.891398	10.801944	10.934629	1.835283e-03	0.0055306470	0.014387599
## 3466	60	10.777116	10.755367	10.819785	4.216853e-04	0.0026510543	0.010687253
## 3467	60	10.748468	10.700282	10.775493	5.628019e-04	0.0030626837	0.011111116
## 3468	60	10.750530	10.710569	10.769539	2.339591e-04	0.0019746691	0.010093609
## 3469	60	10.808127	10.727141	10.910324	4.502705e-03	0.0086628566	0.019571033
## 3470	60	10.871778	10.816994	10.939841	1.327125e-03	0.0047030574	0.013178308
## 3471	60	10.883906	10.811841	10.958484	2.811229e-03	0.0068449845	0.016463264
## 3472	60	11.077213	10.941578	11.155717	5.247686e-03	0.0093520822	0.020815273
## 3473	60	11.085015	11.048596	11.119775	5.353878e-04	0.0029871610	0.011036350
## 3474	60	10.991919	10.938651	11.058046	1.551941e-03	0.0050858315	0.013728280
## 3475	60	10.987313	10.929455	11.038622	1.475386e-03	0.0049588068	0.013543828
## 3476	60	10.885214	10.849340	10.938846	5.746316e-04	0.0030947041	0.011149018
## 3477	60	10.928984	10.851684	11.004009	2.408281e-03	0.0063354573	0.015640423
## 3478	60	10.953676	10.862829	11.051936	3.782207e-03	0.0079395707	0.018296942
## 3479	60	10.818848	10.790116	10.861307	4.997788e-04	0.0028861128	0.010925101
## 3480	60	10.763241	10.713965	10.796614	7.035033e-04	0.0034241867	0.011519386
## 3481	60	10.672026	10.640648	10.711682	4.465170e-04	0.0027279939	0.010761120
## 3482	60	10.654487	10.642561	10.678245	8.617602e-05	0.0011984436	0.009599373
## 3483	60	10.650967	10.623823	10.692417	4.844369e-04	0.0028414693	0.010875727
## 3484	60	10.608997	10.591499	10.623061	9.633529e-05	0.0012671181	0.009632841

## 3485	60	10.691039	10.607270	10.754001	2.010758e-03	0.0057890100	0.014779720
## 3486	60	10.622765	10.602565	10.644260	1.739903e-04	0.0017028910	0.009894185
## 3487	60	10.582006	10.547072	10.625266	3.658960e-04	0.0024694668	0.010510798
## 3488	60	10.596415	10.574419	10.616562	1.625474e-04	0.0016459413	0.009855594
## 3489	60	10.653005	10.597218	10.787675	3.369312e-03	0.0074936778	0.017537987
## 3490	60	10.692259	10.616854	10.787304	2.851966e-03	0.0068944009	0.016542089
## 3491	60	10.598892	10.584707	10.619978	1.271696e-04	0.0014558482	0.009737208
## 3492	60	10.606703	10.571764	10.644396	4.454259e-04	0.0027246588	0.010756500
## 3493	60	10.588027	10.562980	10.621306	3.577321e-04	0.0024417620	0.010485211
## 3494	60	10.561149	10.526636	10.587086	2.525211e-04	0.0020515081	0.010150035
## 3495	60	10.499925	10.471710	10.529291	2.408540e-04	0.0020035553	0.010111078
## 3496	60	10.468924	10.451430	10.499348	2.055753e-04	0.0018510145	0.009995353
## 3497	60	10.663299	10.449672	10.848736	1.935657e-02	0.0179613316	0.037146756
## 3498	60	10.581134	10.504541	10.651327	2.296104e-03	0.0061861459	0.015398621
## 3499	60	10.500784	10.454612	10.590210	1.342006e-03	0.0047293525	0.013209822
## 3500	60	10.525225	10.495561	10.553553	2.652275e-04	0.0021024887	0.010190335
## 3501	60	10.482629	10.442040	10.505613	4.863636e-04	0.0028471144	0.010877986
## 3502	60	10.419360	10.410578	10.440071	5.647765e-05	0.0009702031	0.009492162
## 3503	60	10.403064	10.355166	10.428847	6.785537e-04	0.0033629196	0.011441475
## 3504	60	10.352246	10.340937	10.366153	3.680055e-05	0.0007831619	0.009422298
## 3505	60	10.374669	10.351282	10.417974	3.753236e-04	0.0025010786	0.010536112
## 3506	60	10.441457	10.417974	10.457754	6.190959e-05	0.0010157886	0.009511299
## 3507	60	10.439985	10.413172	10.462244	2.000768e-04	0.0018260925	0.009976524
## 3508	60	10.432546	10.414538	10.443739	4.983594e-05	0.0009113720	0.009469262
## 3509	60	10.447572	10.431247	10.470011	9.400087e-05	0.0012516714	0.009621601
## 3510	60	10.454112	10.432984	10.474736	2.203631e-04	0.0019164337	0.010043259
## 3511	60	10.494826	10.440206	10.550352	1.053264e-03	0.0041897980	0.012471576
## 3512	60	10.583871	10.507059	10.659174	2.310002e-03	0.0062048399	0.015428304
## 3513	60	10.636819	10.602780	10.682479	4.741638e-04	0.0028111794	0.010844509
## 3514	60	10.614530	10.592026	10.635418	1.557634e-04	0.0016112283	0.009833386
## 3515	60	10.684261	10.589215	10.933086	1.263804e-02	0.0145132362	0.030485933
## 3516	60	10.791090	10.661223	10.963151	1.314838e-02	0.0148033688	0.031042453
## 3517	60	10.870748	10.724429	10.936464	4.189291e-03	0.0083559274	0.019024053
## 3518	60	10.916482	10.848657	10.973673	1.852569e-03	0.0055566314	0.014427515
## 3519	60	10.835118	10.779300	10.953546	3.340815e-03	0.0074619198	0.017486570
## 3520	60	10.941727	10.776256	11.066421	7.464502e-03	0.0111538499	0.024129910
## 3521	60	10.893328	10.853224	11.002095	1.288238e-03	0.0046336407	0.013082141
## 3522	60	11.120347	11.006059	11.190137	2.926567e-03	0.0069839899	0.016694363
## 3523	60	10.890304	10.795054	11.000711	2.883922e-03	0.0069329191	0.016607996
## 3524	60	10.788959	10.751698	10.826852	2.922679e-04	0.0022070642	0.010282508
## 3525	60	10.823451	10.761595	10.858516	7.043380e-04	0.0034262175	0.011522875
## 3526	60	10.625281	10.517482	10.759310	5.424888e-03	0.0095086695	0.021096154
## 3527	60	10.438104	10.368515	10.513695	2.235085e-03	0.0061033945	0.015266222
## 3528	60	10.326603	10.296630	10.369804	5.770411e-04	0.0031011856	0.011145550
## 3529	60	10.308745	10.299910	10.318217	2.260966e-05	0.0006138629	0.009371708
## 3530	60	10.254958	10.228672	10.309746	7.284303e-04	0.0034843227	0.011581461
## 3531	60	10.235569	10.216572	10.258766	1.507718e-04	0.0015852016	0.009808789
## 3532	60	10.284235	10.228360	10.352042	2.181873e-03	0.0060303026	0.015149250
## 3533	60	10.322258	10.283926	10.356237	5.167877e-04	0.0029348131	0.010966531
## 3534	60	10.399499	10.344275	10.469640	2.564025e-03	0.0065371063	0.015956792
## 3535	60	10.461207	10.431170	10.497319	3.233461e-04	0.0023214439	0.010374609
## 3536	60	10.507137	10.437922	10.587068	2.735493e-03	0.0067521516	0.016306954
## 3537	60	10.745110	10.589742	10.901775	9.175848e-03	0.0123665192	0.026402440
## 3538	60	10.769355	10.710004	10.886392	2.013161e-03	0.0057924678	0.014786905

## 3539	60	10.741300	10.690892	10.815745	1.432637e-03	0.0048864393	0.013436461
## 3540	60	10.821576	10.702917	10.918542	4.629640e-03	0.0087841147	0.019788351
## 3541	60	10.832242	10.785996	10.911281	1.442992e-03	0.0049040663	0.013463185
## 3542	60	10.904860	10.862087	10.943042	4.754033e-04	0.0028148515	0.010853228
## 3543	60	10.750080	10.638852	10.862441	5.341599e-03	0.0094353931	0.020963857
## 3544	60	10.648990	10.601181	10.735712	1.509006e-03	0.0050149880	0.013620407
## 3545	60	10.596339	10.544787	10.616874	4.925929e-04	0.0028652892	0.010898865
## 3546	60	10.535336	10.506511	10.557807	2.648684e-04	0.0021010650	0.010189266
## 3547	60	10.528305	10.508054	10.567471	2.526035e-04	0.0020518427	0.010149902
## 3548	60	10.620290	10.570144	10.639652	2.047666e-04	0.0018473700	0.009995601
## 3549	60	10.669292	10.610491	10.766945	2.650417e-03	0.0066463231	0.016137218
## 3550	60	10.793873	10.742915	10.843368	7.909614e-04	0.0036307975	0.011766615
## 3551	60	10.935284	10.849849	11.021754	2.575410e-03	0.0065516034	0.015987326
## 3552	60	11.107934	11.004204	11.194782	4.589270e-03	0.0087457319	0.019722165
## 3553	60	11.056024	10.957939	11.156831	3.164265e-03	0.0072620761	0.017154648
## 3554	60	10.851704	10.810475	10.948781	1.738712e-03	0.0053831713	0.014165923
## 3555	60	10.837521	10.811841	10.855138	1.738954e-04	0.0017024269	0.009898280
## 3556	60	10.841172	10.805595	10.885026	7.645924e-04	0.0035697628	0.011693612
## 3557	60	10.875017	10.796968	10.937538	1.789826e-03	0.0054617243	0.014283627
## 3558	60	10.830107	10.798567	10.868707	4.116522e-04	0.0026193261	0.010657365
## 3559	60	10.805441	10.794624	10.818166	2.657069e-05	0.0006654659	0.009396569
## 3560	60	10.844246	10.801867	10.873468	4.870545e-04	0.0028491357	0.010887061
## 3561	60	10.903019	10.857853	10.939099	7.960166e-04	0.0036423816	0.011782382
## 3562	60	10.946711	10.922936	10.973361	1.273866e-04	0.0014570896	0.009745447
## 3563	60	10.973224	10.944311	11.041726	1.119892e-03	0.0043202846	0.012653640
## 3564	60	11.099738	11.028801	11.157690	2.363442e-03	0.0062762010	0.015548148
## 3565	60	11.157760	11.129985	11.215673	5.358200e-04	0.0029883664	0.011039435
## 3566	60	11.425254	11.219498	11.587277	1.373700e-02	0.0151310965	0.031675793
## 3567	60	11.680958	11.592237	11.738290	1.596979e-03	0.0051591005	0.013845673
## 3568	60	11.717891	11.685686	11.776698	1.086280e-03	0.0042549583	0.012578339
## 3569	60	11.795621	11.754496	11.843322	8.681121e-04	0.0038037528	0.011997064
## 3570	60	11.716019	11.677583	11.786754	1.066934e-03	0.0042168990	0.012527953
## 3571	60	11.778645	11.738720	11.825690	7.355905e-04	0.0035014058	0.011628767
## 3572	60	11.883754	11.817254	11.947500	1.336499e-03	0.0047196379	0.013217452
## 3573	60	11.972460	11.941877	12.013817	5.108456e-04	0.0029178918	0.010980084
## 3574	60	12.022714	11.988997	12.066913	8.393891e-04	0.0037402966	0.011922173
## 3575	60	12.078492	12.031742	12.118722	6.552683e-04	0.0033047145	0.011405291
## 3576	60	12.072873	12.032935	12.112707	4.476376e-04	0.0027314148	0.010791510
## 3577	60	12.078059	12.053613	12.132488	4.437960e-04	0.0027196692	0.010780209
## 3578	60	12.111967	12.088511	12.141726	3.612963e-04	0.0024538959	0.010526368
## 3579	60	12.075923	12.043907	12.124776	5.563541e-04	0.0030450891	0.011117283
## 3580	60	12.163869	12.114463	12.242985	1.515481e-03	0.0050257357	0.013658918
## 3581	60	12.223527	12.181252	12.268254	7.721561e-04	0.0035873763	0.011739304
## 3582	60	12.328782	12.253764	12.414709	2.436246e-03	0.0063721342	0.015717623
## 3583	60	12.422603	12.388693	12.443554	2.076475e-04	0.0018603202	0.010042417
## 3584	60	12.459739	12.435958	12.520290	5.373896e-04	0.0029927401	0.011068633
## 3585	60	12.545009	12.517323	12.580582	3.144467e-04	0.0022892745	0.010388155
## 3586	60	12.622567	12.549215	12.664469	1.054666e-03	0.0041925855	0.012510409
## 3587	60	12.703674	12.651013	12.760685	1.548874e-03	0.0050808042	0.013746732
## 3588	60	12.780305	12.732949	12.812016	5.818842e-04	0.0031141725	0.011205150
## 3589	60	12.728162	12.687615	12.794435	1.187142e-03	0.0044481114	0.012855175
## 3590	60	12.769761	12.691875	12.815885	1.746236e-03	0.0053948061	0.014210681
## 3591	60	12.854081	12.791857	12.942221	2.133857e-03	0.0059635801	0.015080644
## 3592	60	12.969930	12.943161	13.002621	3.859067e-04	0.0025360952	0.010619701

## 3593	60	12.934476	12.899368	12.967694	4.441345e-04	0.0027207062	0.010797382
## 3594	60	12.914955	12.882099	12.944019	2.802978e-04	0.0021613952	0.010287136
## 3595	60	12.941157	12.916322	12.975313	2.971356e-04	0.0022253674	0.010341319
## 3596	60	12.958845	12.930677	13.006508	4.180533e-04	0.0026396125	0.010718611
## 3597	60	12.950948	12.915951	13.022036	1.212097e-03	0.0044946202	0.012922374
## 3598	60	12.968788	12.922553	13.030867	1.272439e-03	0.0046051404	0.013074791
## 3599	60	13.028661	12.995394	13.052958	1.970517e-04	0.0018122348	0.010020449
## 3600	60	13.034347	12.997736	13.068704	4.212093e-04	0.0026495574	0.010729476
## 3601	60	13.008546	12.970175	13.067219	7.028866e-04	0.0034226855	0.011558559
## 3602	60	13.106867	13.058273	13.150317	1.081862e-03	0.0042462970	0.012589577
## 3603	60	13.148260	13.083198	13.210308	1.917076e-03	0.0056525455	0.014605346
## 3604	60	13.255071	13.198763	13.344498	1.798224e-03	0.0054745222	0.014337888
## 3605	60	13.395552	13.354031	13.444698	7.497368e-04	0.0035349135	0.011697511
## 3606	60	13.454361	13.397966	13.507489	1.130019e-03	0.0043397759	0.012720307
## 3607	60	13.585537	13.511296	13.661890	1.587382e-03	0.0051435755	0.013851925
## 3608	60	13.664518	13.597358	13.724234	1.924715e-03	0.0056637962	0.014629848
## 3609	60	13.708285	13.668610	13.748578	3.865673e-04	0.0025382647	0.010636428
## 3610	60	13.760434	13.681721	13.851879	4.125549e-03	0.0082921132	0.018939800
## 3611	60	13.873662	13.828548	13.902328	5.617364e-04	0.0030597831	0.011166463
## 3612	60	13.949752	13.877886	14.013135	1.528237e-03	0.0050468425	0.013716522
## 3613	60	14.188042	14.025720	14.266281	3.919414e-03	0.0080822991	0.018577423
## 3614	60	14.299518	14.237303	14.349255	1.559791e-03	0.0050986782	0.013796892
## 3615	60	14.330941	14.283595	14.376475	6.604667e-04	0.0033177973	0.011461507
## 3616	60	14.415980	14.316347	14.487085	3.135264e-03	0.0072287204	0.017139717
## 3617	60	14.532210	14.480694	14.610576	1.302467e-03	0.0046591616	0.013175073
## 3618	60	14.628552	14.602581	14.675031	4.140949e-04	0.0026270863	0.010739118
## 3619	60	14.630091	14.603091	14.660821	2.086957e-04	0.0018650099	0.010091958
## 3620	60	14.711199	14.662717	14.756194	8.457641e-04	0.0037544731	0.011986750
## 3621	60	14.814620	14.739425	14.882472	2.393827e-03	0.0063164158	0.015661892
## 3622	60	14.967127	14.888961	15.044521	2.066401e-03	0.0058685612	0.014962707
## 3623	60	15.132845	15.049096	15.188341	1.723572e-03	0.0053596830	0.014193387
## 3624	60	15.177114	15.136973	15.261134	1.156573e-03	0.0043904689	0.012817385
## 3625	60	15.251360	15.229039	15.272725	1.774814e-04	0.0017198903	0.010002883
## 3626	60	15.338270	15.265592	15.435400	3.596757e-03	0.0077424773	0.018012369
## 3627	60	15.444553	15.431160	15.461673	9.913091e-05	0.0012853722	0.009746656
## 3628	60	15.500965	15.445370	15.567705	1.614068e-03	0.0051866305	0.013943759
## 3629	60	15.560061	15.530190	15.604105	4.923671e-04	0.0028646322	0.010993427
## 3630	60	15.616686	15.548254	15.716181	2.160157e-03	0.0060002181	0.015176196
## 3631	60	15.811891	15.721910	15.861693	1.862449e-03	0.0055714289	0.014520591
## 3632	60	15.912570	15.863239	15.973545	1.463242e-03	0.0049383559	0.013590628
## 3633	60	15.990077	15.973524	16.028875	2.500672e-04	0.0020415157	0.010253739
## 3634	60	16.059098	16.034974	16.088936	1.720320e-04	0.0016932808	0.010002257
## 3635	60	16.093846	16.085613	16.104715	1.909139e-05	0.0005640832	0.009487796
## 3636	60	16.114042	16.090971	16.142215	1.452241e-04	0.0015557642	0.009915089
## 3637	60	16.183250	16.144778	16.220739	5.633214e-04	0.0030640968	0.011214777
## 3638	60	16.225134	16.213525	16.235383	4.114224e-05	0.0008280724	0.009566621
## 3639	60	16.222838	16.194147	16.266181	5.152097e-04	0.0029303290	0.011074030
## 3640	60	16.299995	16.268095	16.339348	4.914516e-04	0.0028619679	0.011004840
## 3641	60	16.340483	16.330060	16.358549	6.208099e-05	0.0010171938	0.009640856
## 3642	60	16.330628	16.312227	16.341380	8.046510e-05	0.0011580522	0.009702830
## 3643	60	16.320421	16.308532	16.334009	5.516370e-05	0.0009588509	0.009616751
## 3644	60	16.353513	16.335399	16.370769	1.016889e-04	0.0013018508	0.009774954
## 3645	60	16.357009	16.341245	16.367584	6.047406e-05	0.0010039427	0.009635586
## 3646	60	16.344525	16.326482	16.367837	1.795336e-04	0.0017298056	0.010032718

## 3647	60	16.372842	16.360602	16.381582	3.428290e-05	0.0007558979	0.009546318
## 3648	60	16.374584	16.368716	16.380567	7.252688e-06	0.0003476753	0.009452961
## 3649	60	16.386754	16.369362	16.424094	1.446005e-04	0.0015524199	0.009919048
## 3650	60	16.433306	16.423077	16.442004	2.241194e-05	0.0006111729	0.009506788
## 3651	60	16.496486	16.434008	16.581741	1.818284e-03	0.0055049734	0.014431048
## 3652	60	16.602960	16.565724	16.638001	4.298887e-04	0.0026767165	0.010825635
## 3653	60	16.730676	16.641812	16.800115	1.533642e-03	0.0050557586	0.013772222
## 3654	60	16.916098	16.805083	17.022965	4.107800e-03	0.0082742574	0.018940128
## 3655	60	17.085536	17.027543	17.180643	3.151898e-03	0.0072478713	0.017204661
## 3656	60	17.126621	17.094860	17.160809	4.818768e-04	0.0028339512	0.010992139
## 3657	60	17.195256	17.093842	17.301437	5.228559e-03	0.0093350227	0.020841060
## 3658	60	17.291850	17.276870	17.305016	5.048872e-05	0.0009173215	0.009622244
## 3659	60	17.373265	17.304506	17.473541	2.072198e-03	0.0058767871	0.015009732
## 3660	60	17.686631	17.478118	17.883271	1.740839e-02	0.0170334933	0.035384419
## 3661	60	17.794787	17.680004	17.898451	4.990600e-03	0.0091201238	0.020458766
## 3662	60	17.701784	17.646378	17.856472	3.941735e-03	0.0081052808	0.018657569
## 3663	60	17.939966	17.857233	18.027510	2.282891e-03	0.0061683214	0.015470962
## 3664	60	17.953977	17.828400	18.031461	3.078589e-03	0.0071630873	0.017074938
## 3665	60	17.762785	17.736126	17.823821	5.768869e-04	0.0031007712	0.011284617
## 3666	60	17.845299	17.740839	17.941959	3.248863e-03	0.0073585134	0.017397874
## 3667	60	17.958639	17.920205	18.062763	1.691347e-03	0.0053093427	0.014161846
## 3668	60	18.006917	17.977760	18.068904	6.232131e-04	0.0032228690	0.011423062
## 3669	60	18.086581	18.028018	18.116425	7.039852e-04	0.0034253594	0.011653567
## 3670	60	18.152997	18.105001	18.194467	7.733476e-04	0.0035901430	0.011848605
## 3671	60	18.098061	18.048754	18.150369	1.180822e-03	0.0044362565	0.012926820
## 3672	60	18.155427	18.044452	18.420931	1.552434e-02	0.0160853686	0.033554982
## 3673	60	18.493871	18.426291	18.534315	6.994658e-04	0.0034143467	0.011648508
## 3674	60	18.556807	18.441437	18.697874	7.094640e-03	0.0108740056	0.023672441
## 3675	60	18.436380	18.408332	18.505984	7.391696e-04	0.0035099135	0.011759267
## 3676	60	18.597918	18.430635	18.779510	1.327236e-02	0.0148729963	0.031225757
## 3677	60	18.852499	18.787533	18.945000	1.593752e-03	0.0051538853	0.013947493
## 3678	60	18.713742	18.556386	18.950537	1.603849e-02	0.0163495623	0.034068006
## 3679	60	19.055933	18.966212	19.142963	2.405841e-03	0.0063322471	0.015744648
## 3680	60	19.216548	19.059322	19.325124	7.373346e-03	0.0110855356	0.024069882
## 3681	60	19.279081	19.180088	19.433062	5.642392e-03	0.0096974157	0.021518227
## 3682	60	19.367071	19.317297	19.458035	1.443759e-03	0.0049053693	0.013598252
## 3683	60	19.448263	19.352544	19.574018	2.602956e-03	0.0065865465	0.016155820
## 3684	60	19.460675	19.345558	19.626650	8.931895e-03	0.0122010213	0.026156207
## 3685	60	19.380965	19.283283	19.487626	5.798526e-03	0.0098306715	0.021761431
## 3686	60	19.394750	19.317941	19.533171	3.561722e-03	0.0077046764	0.017997004
## 3687	60	19.548352	19.454180	19.656499	3.715416e-03	0.0078691550	0.018276436
## 3688	60	19.591925	19.451517	19.656263	4.560795e-03	0.0087185574	0.019755774
## 3689	60	19.677503	19.630739	19.777950	1.722596e-03	0.0053581656	0.014259833
## 3690	60	20.034867	19.770690	20.424983	4.298050e-02	0.0267645603	0.054472991
## 3691	60	20.275555	20.124480	20.419245	8.078063e-03	0.0116032056	0.025042613
## 3692	60	20.501150	20.148520	20.766861	5.694184e-02	0.0308063424	0.062475738
## 3693	60	20.537124	20.398886	20.758285	1.018884e-02	0.0130312720	0.027730338
## 3694	60	20.454219	20.355033	20.579492	4.917838e-03	0.0090533949	0.020364401
## 3695	60	20.568865	20.412864	20.876234	2.213286e-02	0.0192062733	0.039623627
## 3696	60	20.792432	20.660840	20.905410	5.469119e-03	0.0095473549	0.021259229
## 3697	60	20.573856	20.374473	20.732401	1.585897e-02	0.0162578018	0.033901529
## 3698	60	20.545794	20.458655	20.655279	4.178825e-03	0.0083454831	0.019102986
## 3699	60	20.786523	20.555175	21.055965	2.994901e-02	0.0223416681	0.045761042
## 3700	60	20.817749	20.727350	21.022500	6.293312e-03	0.0102415104	0.022526543

## 3701	60	20.796425	20.669984	20.923051	5.961691e-03	0.0099680248	0.022025062
## 3702	60	20.782821	20.679086	20.862979	2.545179e-03	0.0065130363	0.016055384
## 3703	60	20.730141	20.586010	20.920857	6.431245e-03	0.0103531357	0.022730572
## 3704	60	20.962878	20.885299	21.053360	2.478088e-03	0.0064266213	0.015920307
## 3705	60	20.934202	20.800714	21.071315	6.203213e-03	0.0101679340	0.022392094
## 3706	60	21.115303	20.980109	21.194623	3.679593e-03	0.0078311273	0.018230226
## 3707	60	20.825378	20.701505	21.116333	1.304594e-02	0.0147455883	0.030996878
## 3708	60	20.939449	20.726940	21.276220	3.873726e-02	0.0254090748	0.051800027
## 3709	60	21.658616	21.303363	22.019753	3.232971e-02	0.0232126797	0.047476870
## 3710	60	22.122237	22.004731	22.273354	4.970206e-03	0.0091014704	0.020467147
## 3711	60	22.025573	21.911872	22.177139	4.874026e-03	0.0090129780	0.020307314
## 3712	60	21.752181	21.534231	22.131108	2.722101e-02	0.0212998477	0.043722392
## 3713	60	21.752962	21.364070	21.985105	3.387588e-02	0.0237612703	0.048555946
## 3714	60	21.667701	21.354904	21.930890	2.699188e-02	0.0212100138	0.043545439
## 3715	60	21.627094	21.474148	21.803894	1.019392e-02	0.0130345175	0.027744105
## 3716	60	21.781713	21.610434	21.997815	1.775589e-02	0.0172026574	0.035735569
## 3717	60	21.886888	21.650620	22.114536	1.871953e-02	0.0176633016	0.036629121
## 3718	60	22.307365	22.064783	22.632565	3.642716e-02	0.0246397929	0.050288767
## 3719	60	22.338683	22.086133	22.627981	2.918970e-02	0.0220566299	0.045208651
## 3720	60	22.321541	22.099904	22.467618	7.732725e-03	0.0113524779	0.024591877
## 3721	60	22.370962	21.953610	22.697019	7.212141e-02	0.0346702099	0.070152802
## 3722	60	22.058942	21.892050	22.279113	1.433635e-02	0.0154576592	0.032370242
## 3723	60	21.863130	21.740790	22.064568	8.809317e-03	0.0121170110	0.026017273
## 3724	60	21.755034	21.510906	22.041220	3.129180e-02	0.0228370302	0.046738519
## 3725	60	21.987787	21.572948	22.399212	3.840203e-02	0.0252988899	0.051587174
## 3726	60	22.642437	22.410299	22.768055	9.413960e-03	0.0125259461	0.026791341
## 3727	60	22.596192	22.333863	23.063720	5.279489e-02	0.0296633574	0.060218093
## 3728	60	22.946788	22.762845	23.131708	1.058811e-02	0.0132841455	0.028226398
## 3729	60	22.906403	22.727894	23.118660	1.780618e-02	0.0172270027	0.035789160
## 3730	60	23.102287	22.889407	23.287265	1.686519e-02	0.0167656345	0.034897505
## 3731	60	23.043448	22.827831	23.286207	2.381550e-02	0.0199229785	0.041034492
## 3732	60	22.986756	22.832492	23.120560	1.270056e-02	0.0145490888	0.030634234
## 3733	60	23.047097	22.990111	23.154555	1.997538e-03	0.0057699480	0.014927905
## 3734	60	23.076645	22.916523	23.215904	6.427756e-03	0.0103503271	0.022745597
## 3735	60	22.686287	22.523742	22.888231	8.922554e-03	0.0121946396	0.026169350
## 3736	60	22.812105	22.675703	22.876691	1.961996e-03	0.0057183854	0.014845522
## 3737	60	22.893753	22.765803	23.045520	6.287620e-03	0.0102368776	0.022535985
## 3738	60	23.711851	22.999770	24.102176	1.151817e-01	0.0438143167	0.088363062
## 3739	60	23.475923	23.267358	23.924475	2.972190e-02	0.0222567985	0.045607408
## 3740	60	23.682928	23.257797	23.923691	2.562364e-02	0.0206654457	0.042488916
## 3741	60	22.767853	22.430947	23.227954	5.763146e-02	0.0309923282	0.062852679
## 3742	60	22.439083	22.306734	22.627804	7.719327e-03	0.0113426383	0.024574885
## 3743	60	22.898130	22.562648	23.077672	2.504195e-02	0.0204295325	0.042023353
## 3744	60	22.954677	22.789410	23.168192	1.343934e-02	0.0149662618	0.031432980
## 3745	60	22.943643	22.770878	23.183359	1.235867e-02	0.0143519289	0.030258007
## 3746	60	23.146131	22.932529	23.312033	1.386588e-02	0.0152019085	0.031885752
## 3747	60	23.026797	22.647709	23.216510	2.403624e-02	0.0200150946	0.041214060
## 3748	60	22.732714	22.549992	22.947321	1.425162e-02	0.0154119104	0.032286581
## 3749	60	23.021011	22.874498	23.325180	9.559131e-03	0.0126221573	0.026976795
## 3750	60	23.568298	23.191275	23.997184	6.427749e-02	0.0327305891	0.066304049
## 3751	60	23.819823	23.549506	24.035853	1.800392e-02	0.0173223923	0.035979183
## 3752	60	23.644802	23.455116	24.119364	3.044902e-02	0.0225273987	0.046139545
## 3753	60	24.256381	24.144411	24.416952	8.038256e-03	0.0115745811	0.025021449
## 3754	60	24.010283	23.845828	24.193157	1.046986e-02	0.0132097542	0.028093195



## 3755	60	24.249029	23.840010	24.702021	7.888954e-02	0.0362605253	0.073320378
## 3756	60	24.317363	23.813747	24.617046	9.186427e-02	0.0391289042	0.079028161
## 3757	60	24.475344	24.375810	24.640020	6.307162e-03	0.0102527734	0.022579336
## 3758	60	24.503219	24.241665	24.638217	7.522487e-03	0.0111970880	0.024321083
## 3759	60	24.285516	24.134631	24.533267	1.261879e-02	0.0145021756	0.030554068
## 3760	60	24.068229	23.890924	24.500808	2.960483e-02	0.0222129219	0.045523928
## 3761	60	24.423707	24.155465	24.551046	1.379794e-02	0.0151646179	0.031822227
## 3762	60	24.701848	24.443669	24.872805	1.167295e-02	0.0139480878	0.029499765
## 3763	60	24.511391	24.220714	24.825247	3.598849e-02	0.0244909821	0.050004688
## 3764	60	24.434281	24.315440	24.555966	4.619082e-03	0.0087740923	0.019903493
## 3765	60	24.233540	24.010002	24.664228	2.933558e-02	0.0221116784	0.045326009
## 3766	60	24.526653	23.990482	25.016523	1.322680e-01	0.0469517543	0.094623388
## 3767	60	24.293894	24.088848	24.743462	5.761208e-02	0.0309871152	0.062847380
## 3768	60	24.938579	24.757812	25.313916	2.328549e-02	0.0197000393	0.040609608
## 3769	60	24.719762	24.426302	25.226355	5.414954e-02	0.0300415100	0.060974738
## 3770	60	24.940183	24.758360	25.136112	1.621796e-02	0.0164407848	0.034281169
## 3771	60	25.852002	25.046184	26.532177	2.525888e-01	0.0648830796	0.130454515
## 3772	60	26.045325	25.817189	26.269524	1.472629e-02	0.0156664651	0.032796824
## 3773	60	25.670065	25.382716	26.220593	6.194653e-02	0.0321316375	0.065122418
## 3774	60	25.560443	25.411322	25.761577	1.103268e-02	0.0135601603	0.028768757
## 3775	60	25.830163	25.634004	26.028601	1.054341e-02	0.0132560723	0.028194296
## 3776	60	26.188604	25.971554	26.461217	2.061814e-02	0.0185374113	0.038350905
## 3777	60	25.597308	24.884764	26.122007	1.633350e-01	0.0521751921	0.105053479
## 3778	60	25.247781	24.872903	25.375148	2.267212e-02	0.0194388433	0.040100430
## 3779	60	25.160846	24.937300	25.350932	1.464519e-02	0.0156232679	0.032707967
## 3780	60	25.200530	24.772730	25.924078	1.686622e-01	0.0530192148	0.106738885
## 3781	60	26.121676	25.760027	26.410890	3.491249e-02	0.0241220815	0.049284980
## 3782	60	25.855753	25.572865	26.200767	3.607871e-02	0.0245216590	0.050070874
## 3783	60	25.052742	24.896034	25.569416	2.973097e-02	0.0222601909	0.045621590
## 3784	60	25.270436	24.993252	25.556396	3.761455e-02	0.0250381531	0.051085892
## 3785	60	25.746846	25.322522	25.931766	3.410968e-02	0.0238431251	0.048733920
## 3786	60	25.689483	25.494868	25.852563	8.322697e-03	0.0117775897	0.025411874
## 3787	60	25.437028	24.960257	25.911450	8.882717e-02	0.0384766534	0.077733127
## 3788	60	24.950390	24.865159	25.254196	7.337356e-03	0.0110584474	0.024069199
## 3789	60	25.899405	25.288251	26.176566	4.317257e-02	0.0268242966	0.054612941
## 3790	60	26.457211	25.993500	26.782649	6.784417e-02	0.0336264214	0.068091498
## 3791	60	26.098862	25.867995	26.370801	2.399615e-02	0.0199983957	0.041197388
## 3792	60	26.513929	26.178879	26.990870	8.335739e-02	0.0372731790	0.075341178
## 3793	60	26.568237	26.068627	27.010446	8.151673e-02	0.0368593563	0.074518011
## 3794	60	26.469710	26.011266	26.919113	6.298764e-02	0.0324005243	0.065658238
## 3795	60	25.776980	25.561356	25.981792	1.279202e-02	0.0146013832	0.030753390
## 3796	60	26.281199	25.906939	26.601668	5.690506e-02	0.0307963901	0.062475489
## 3797	60	25.920555	25.713338	26.137618	1.283713e-02	0.0146271058	0.030803599
## 3798	60	25.469209	25.285113	25.685378	1.225172e-02	0.0142896947	0.030156292
## 3799	60	25.482692	25.341953	25.645495	7.681709e-03	0.0113149671	0.024548374
## 3800	60	25.811276	25.532572	26.174939	4.371411e-02	0.0269920068	0.054944246
## 3801	60	25.822023	25.595630	25.996441	9.569391e-03	0.0126289289	0.027009811
## 3802	60	25.445546	25.227494	25.727692	1.802973e-02	0.0173348065	0.036012982
## 3803	60	25.794274	25.515533	26.027169	2.411255e-02	0.0200468425	0.041290247
## 3804	60	26.084998	25.702515	26.253365	2.433588e-02	0.0201394634	0.041472290
## 3805	60	26.869437	26.170546	27.244143	9.051186e-02	0.0388398119	0.078459644
## 3806	60	26.399689	26.218671	26.975019	2.907082e-02	0.0220116725	0.045140534
## 3807	60	26.328430	25.956161	26.491106	1.657298e-02	0.0166197591	0.034634805
## 3808	60	25.995437	25.832600	26.132441	1.167060e-02	0.0139466862	0.029505911

## 3809	60	26.099298	25.852013	26.481459	3.502874e-02	0.0241622079	0.049364269
## 3810	60	25.942073	25.795185	26.165191	1.266270e-02	0.0145273882	0.030613258
## 3811	60	26.694098	25.917393	27.166770	1.917656e-01	0.0565340000	0.113763581
## 3812	60	26.472522	26.063116	27.037456	9.277259e-02	0.0393218739	0.079418820
## 3813	60	26.532308	26.272760	26.815387	2.044380e-02	0.0184588742	0.038200154
## 3814	60	26.153913	25.669808	26.525470	6.980483e-02	0.0341088525	0.069048928
## 3815	60	26.563358	26.236400	27.131205	8.131363e-02	0.0368134104	0.074426963
## 3816	60	26.882574	26.600982	27.164417	2.249490e-02	0.0193627236	0.039961393
## 3817	60	27.460541	27.122555	27.855540	5.081664e-02	0.0291023014	0.059123922
## 3818	60	27.882136	27.068079	28.192140	8.689856e-02	0.0380566591	0.076903469
## 3819	60	26.870335	26.073843	27.179817	8.769844e-02	0.0382314088	0.077248457
## 3820	60	25.928150	25.733144	26.225182	1.255450e-02	0.0144651859	0.030494878
## 3821	60	26.992043	26.127362	27.667339	3.083561e-01	0.0716886936	0.144071143
## 3822	60	27.235420	27.016977	27.492824	2.735700e-02	0.0213529873	0.043852026
## 3823	60	26.885969	26.661314	27.193882	3.070282e-02	0.0226210892	0.046337441
## 3824	60	25.953090	25.458966	26.745930	1.914273e-01	0.0564841065	0.113663090
## 3825	60	26.573039	25.795167	27.314688	2.555201e-01	0.0652584703	0.131206592
## 3826	60	27.269528	26.879529	27.910284	1.465589e-01	0.0494231553	0.099562127
## 3827	60	27.151944	26.758680	27.804390	1.105433e-01	0.0429230423	0.086595121
## 3828	60	26.786176	26.516192	27.206692	5.333348e-02	0.0298142808	0.060531451
## 3829	60	26.947060	26.655764	27.120945	1.793947e-02	0.0172913611	0.035936952
## 3830	60	26.401092	26.243363	26.792889	2.269851e-02	0.0194501531	0.040129875
## 3831	60	26.319016	25.734282	27.709209	3.436517e-01	0.0756804405	0.152059501
## 3832	60	27.459869	27.236511	27.796580	2.569324e-02	0.0206934939	0.042562837
## 3833	60	27.793203	27.276922	28.124146	6.948616e-02	0.0340309085	0.068899012
## 3834	60	26.825512	26.571934	27.234020	2.844163e-02	0.0217721641	0.044672129
## 3835	60	27.403565	26.800304	28.181327	1.607107e-01	0.0517543372	0.104217165
## 3836	60	28.010685	27.755316	28.250578	2.585998e-02	0.0207605306	0.042696188
## 3837	60	28.088963	27.755887	28.352053	4.095644e-02	0.0261267550	0.053244252
## 3838	60	27.594379	27.219739	27.878949	3.551515e-02	0.0243293875	0.049699345
## 3839	60	27.351201	27.095935	27.579640	2.570995e-02	0.0207002231	0.042574922
## 3840	60	26.968504	26.479024	27.237609	4.282695e-02	0.0267167089	0.054404547
## 3841	60	26.648517	26.418165	26.871780	1.733875e-02	0.0169993891	0.035370600
## 3842	60	26.754429	26.374312	27.127929	4.452598e-02	0.0272415061	0.055440866
## 3843	60	27.337799	27.029277	27.976411	7.382034e-02	0.0350761891	0.070975380
## 3844	60	27.502906	27.118590	28.166690	9.996877e-02	0.0408184542	0.082402295
## 3845	60	28.089451	27.746861	28.868699	1.266721e-01	0.0459478192	0.092629191
## 3846	60	27.709720	26.955833	28.821063	4.405387e-01	0.0856872865	0.172093316
## 3847	60	26.880171	26.529177	27.213128	5.271246e-02	0.0296401919	0.060186667
## 3848	60	26.597183	26.356426	26.762014	1.304754e-02	0.0147464886	0.031036031
## 3849	60	26.239853	25.865604	26.528118	4.604308e-02	0.0277017075	0.056348227
## 3850	60	25.914806	25.686729	26.086492	1.093307e-02	0.0134988085	0.028654695
## 3851	60	26.595365	26.063252	26.775098	2.330465e-02	0.0197081419	0.040632944
## 3852	60	27.002092	26.647154	27.515798	6.838111e-02	0.0337592245	0.068357521
## 3853	60	27.686409	27.443835	27.947527	1.645059e-02	0.0165582765	0.034524943
## 3854	60	27.490824	27.366812	27.610578	4.774407e-03	0.0089203955	0.020195108
## 3855	60	27.579541	27.285888	27.765560	2.112041e-02	0.0187618441	0.038794515
## 3856	60	27.614098	27.342919	27.980256	3.815528e-02	0.0252174795	0.051449341
## 3857	60	27.376557	27.197569	27.605890	1.531309e-02	0.0159755510	0.033399771
## 3858	60	27.195147	27.012210	27.413839	1.376802e-02	0.0151481655	0.031809360
## 3859	60	27.430295	27.118631	27.643462	2.457501e-02	0.0202381680	0.041672124
## 3860	60	27.411943	27.155511	27.648170	2.350287e-02	0.0197917788	0.040800637
## 3861	60	28.235947	27.626453	28.546652	8.202781e-02	0.0369747240	0.074751864
## 3862	60	28.130355	27.742545	28.543866	5.602669e-02	0.0305577846	0.062009172

## 3863	60	27.923952	27.777881	28.065377	9.524935e-03	0.0125995602	0.026970365
## 3864	60	27.513271	26.668004	27.861036	1.285285e-01	0.0462832741	0.093296064
## 3865	60	26.823874	26.615476	27.089579	1.626864e-02	0.0164664516	0.034342549
## 3866	60	27.164963	26.791652	27.452390	2.675064e-02	0.0211150176	0.043385882
## 3867	60	27.583092	27.098779	28.108115	9.361853e-02	0.0395007437	0.079777823
## 3868	60	27.704708	27.064333	28.128542	1.189277e-01	0.0445211054	0.089781972
## 3869	60	28.008582	27.759478	28.247910	2.308348e-02	0.0196144006	0.040457739
## 3870	60	28.682793	28.161235	29.062424	7.623165e-02	0.0356444603	0.072108128
## 3871	60	27.817902	27.567553	28.234016	1.914769e-02	0.0178641602	0.037053283
## 3872	60	27.653282	27.298072	27.943525	4.254004e-02	0.0266270662	0.054230272
## 3873	60	27.316971	26.782649	27.588409	5.792763e-02	0.0310718606	0.063024933
## 3874	60	27.657859	26.779589	28.528203	3.499627e-01	0.0763721906	0.153445145
## 3875	60	28.065648	27.495473	28.697810	2.023316e-01	0.0580705945	0.116837335
## 3876	60	27.749433	27.424217	28.376584	7.133431e-02	0.0344805033	0.069792916
## 3877	60	27.556678	26.851441	28.298283	2.821763e-01	0.0685779688	0.137848245
## 3878	60	26.704900	26.514721	26.897223	1.476313e-02	0.0156860509	0.032838457
## 3879	60	27.177151	26.581192	27.897414	2.381136e-01	0.0629965031	0.126683854
## 3880	60	27.642945	27.457687	28.140965	3.474498e-02	0.0240641451	0.049178366
## 3881	60	28.486089	28.149010	28.765795	2.786582e-02	0.0215506474	0.044245309
## 3882	60	29.014978	28.651020	29.368777	4.287957e-02	0.0267331166	0.054445260
## 3883	60	28.423040	27.886386	28.809661	9.367505e-02	0.0395126660	0.079803435
## 3884	60	27.418372	27.179130	27.878342	3.397640e-02	0.0237964984	0.048650608
## 3885	60	27.011843	26.658646	27.162278	2.934833e-02	0.0221164824	0.045346983
## 3886	60	27.805081	27.018350	28.108076	1.054422e-01	0.0419209923	0.084598795
## 3887	60	27.988788	27.855620	28.119437	5.367605e-03	0.0094583341	0.021166299
## 3888	60	27.633422	27.517447	27.838764	8.380583e-03	0.0118184765	0.025504274
## 3889	60	27.003313	26.706840	27.589803	6.493203e-02	0.0328968157	0.066645404
## 3890	60	26.723876	26.638053	26.906638	3.463410e-03	0.0075975979	0.017906941
## 3891	60	26.759441	26.387060	27.091932	5.747233e-02	0.0309495094	0.062780691
## 3892	60	26.261485	26.034819	26.799265	4.071994e-02	0.0260512132	0.053088995
## 3893	60	27.317059	26.851734	27.590294	3.135838e-02	0.0228613124	0.046810997
## 3894	60	27.457679	26.960739	27.733735	3.541511e-02	0.0242950988	0.049631220
## 3895	60	26.233319	25.927119	26.911346	7.790041e-02	0.0360324871	0.072873271
## 3896	60	26.625690	26.310473	26.910953	3.919351e-02	0.0255582694	0.052116928
## 3897	60	27.003969	26.814192	27.172460	1.215766e-02	0.0142347361	0.030061743
## 3898	60	27.117093	26.996459	27.196098	2.144317e-03	0.0059781787	0.015305185
## 3899	60	27.345605	26.929608	27.830368	6.987182e-02	0.0341252167	0.069085436
## 3900	60	27.676146	27.235999	28.111942	1.040506e-01	0.0416434493	0.084045769
## 3901	60	27.285088	27.103821	27.492842	1.797391e-02	0.0173079520	0.035971237
## 3902	60	27.464429	27.308488	27.618838	9.022452e-03	0.0122627160	0.026334011
## 3903	60	27.442229	27.261366	27.592333	1.404785e-02	0.0153013358	0.032104205
## 3904	60	27.340398	27.143230	27.587331	2.447616e-02	0.0201974258	0.041592255
## 3905	60	27.343154	27.157511	27.509619	1.463813e-02	0.0156195011	0.032714464
## 3906	60	27.240417	27.020667	27.379271	9.571029e-03	0.0126300099	0.027022409
## 3907	60	26.813928	26.519153	27.503064	7.725534e-02	0.0358829913	0.072577751
## 3908	60	27.674058	27.478051	27.980040	1.540562e-02	0.0160237420	0.033494876
## 3909	60	27.730750	27.510540	28.042831	4.467677e-02	0.0272875947	0.055535430
## 3910	60	27.208992	26.849322	27.530551	4.400944e-02	0.0270830321	0.055129280
## 3911	60	26.491661	26.233400	26.842810	2.922818e-02	0.0220711640	0.045256604
## 3912	60	26.683138	26.341971	27.096779	7.371602e-02	0.0350513945	0.070923472
## 3913	60	27.812203	27.136993	28.348481	1.537194e-01	0.0506160977	0.101944664
## 3914	60	28.135283	27.878833	28.666604	6.466979e-02	0.0328303181	0.066516847
## 3915	60	28.475697	28.371777	28.618284	3.832915e-03	0.0079926163	0.018591940
## 3916	60	28.072543	27.819949	28.463716	3.157957e-02	0.0229417983	0.046973033

## 3917	60	27.445910	27.208929	27.903005	6.518349e-02	0.0329604534	0.066772725
## 3918	60	27.065489	26.902126	27.248360	1.423720e-02	0.0154041138	0.032299173
## 3919	60	27.130497	26.960384	27.233490	5.378370e-03	0.0094678137	0.021174933
## 3920	60	27.072562	26.880097	27.239550	1.342053e-02	0.0149557828	0.031439691
## 3921	60	27.062641	26.869034	27.214853	6.110495e-03	0.0100916593	0.022307903
## 3922	60	26.799072	26.671161	27.109606	1.045349e-02	0.0131994262	0.028095034
## 3923	60	27.528610	27.131048	27.707012	2.750996e-02	0.0214125974	0.043969808
## 3924	60	27.779589	27.329833	28.081644	4.574247e-02	0.0276111314	0.056175007
## 3925	60	27.099029	26.963583	27.301877	7.825678e-03	0.0114205062	0.024758299
## 3926	60	27.429124	27.221070	27.572380	1.170265e-02	0.0139658222	0.029552441
## 3927	60	27.622800	27.225053	28.132683	1.049035e-01	0.0418137835	0.084385226
## 3928	60	27.886205	27.751551	28.010396	4.025543e-03	0.0081909943	0.018921595
## 3929	60	27.184426	26.740087	27.769188	9.508345e-02	0.0398085949	0.080389929
## 3930	60	26.605305	26.452430	26.743930	8.065151e-03	0.0115939284	0.025076497
## 3931	60	27.198225	26.708860	27.611502	7.518358e-02	0.0353985829	0.071615074
## 3932	60	27.695570	27.506870	27.920607	2.000836e-02	0.0182612360	0.037822229
## 3933	60	27.662430	27.482327	27.923097	2.606487e-02	0.0208426142	0.042855126
## 3934	60	27.546461	27.251754	27.895470	3.947767e-02	0.0256507538	0.052303320
## 3935	60	27.953685	27.698909	28.296379	2.257091e-02	0.0193954078	0.040031054
## 3936	60	27.725397	27.176716	28.414931	1.848726e-01	0.0555086441	0.111717050
## 3937	60	26.910730	26.564481	27.254264	6.721710e-02	0.0334706588	0.067783647
## 3938	60	26.923060	26.527940	27.209340	4.366595e-02	0.0269771360	0.054918838
## 3939	60	26.252258	26.091494	26.508405	1.271366e-02	0.0145565924	0.030671367
## 3940	60	26.915662	26.330871	27.121593	4.512782e-02	0.0274249961	0.055803466
## 3941	60	27.461603	27.098013	27.666966	3.302060e-02	0.0234593977	0.047986706
## 3942	60	27.821816	27.662494	28.392753	3.524174e-02	0.0242355598	0.049516828
## 3943	60	28.856233	28.439128	29.090256	2.976559e-02	0.0222731482	0.045663278
## 3944	60	28.914544	28.793293	29.080562	7.011380e-03	0.0108100107	0.023642884
## 3945	60	28.953224	28.712038	29.141017	2.082517e-02	0.0186302473	0.038546079
## 3946	60	28.785647	28.439912	29.125608	4.381977e-02	0.0270246077	0.055020011
## 3947	60	28.454672	27.926432	28.629471	3.360528e-02	0.0236661774	0.048397553
## 3948	60	27.675789	27.231489	27.942406	5.520350e-02	0.0303324631	0.061560597
## 3949	60	27.412376	27.206476	27.648543	1.714357e-02	0.0169034384	0.035189723
## 3950	60	28.106473	27.668851	28.634024	6.186520e-02	0.0321105389	0.065088411
## 3951	60	28.812071	28.661225	28.972998	5.722561e-03	0.0097660646	0.021731461
## 3952	60	28.681525	28.467641	28.909660	2.556731e-02	0.0206427176	0.042469087
## 3953	60	28.982094	28.774608	29.345554	2.459155e-02	0.0202449785	0.041694060
## 3954	60	29.278758	28.605726	29.585558	9.021880e-02	0.0387768834	0.078340740
## 3955	60	28.487018	28.343673	28.609101	7.196586e-03	0.0109518539	0.023900631
## 3956	60	28.588639	28.221516	28.991096	6.106783e-02	0.0319029325	0.064677736
## 3957	60	29.191419	28.617324	29.720861	1.566251e-01	0.0510922565	0.102898260
## 3958	60	29.233328	28.576403	29.692180	7.039995e-02	0.0342539424	0.069346871
## 3959	60	28.401855	28.188843	28.589731	1.916014e-02	0.0178699648	0.037066564
## 3960	60	28.668900	28.326365	28.863438	1.965243e-02	0.0180980796	0.037510713
## 3961	60	28.167926	28.067635	28.349620	6.809936e-03	0.0106535879	0.023348302
## 3962	60	27.911058	27.666576	28.328446	3.792075e-02	0.0251398575	0.051297777
## 3963	60	28.202780	27.719372	29.011922	1.403208e-01	0.0483598925	0.097442251
## 3964	60	29.401783	28.889053	29.739689	5.022094e-02	0.0289312229	0.058792118
## 3965	60	28.283656	28.069381	28.854174	6.258069e-02	0.0322956880	0.065456475
## 3966	60	28.202173	28.047286	28.684855	3.641336e-02	0.0246351236	0.050304809
## 3967	60	29.054568	28.720105	29.231762	1.338779e-02	0.0149375303	0.031418022
## 3968	60	28.925014	28.735630	29.181098	1.344902e-02	0.0149716501	0.031482981
## 3969	60	29.591644	29.214429	29.929657	3.097344e-02	0.0227205618	0.046545228
## 3970	60	29.126677	28.726423	29.523938	6.163091e-02	0.0320496781	0.064970591

## 3971	60	28.959035	28.756336	29.198982	1.354333e-02	0.0150240507	0.031583408
## 3972	60	29.197180	28.802909	30.002713	1.389395e-01	0.0481212826	0.096968241
## 3973	60	29.921943	29.416066	30.288200	8.488983e-02	0.0376142336	0.076028996
## 3974	60	29.417373	29.305491	29.500989	2.870427e-03	0.0069166794	0.016819965
## 3975	60	29.462516	29.351621	29.556230	3.715309e-03	0.0078690416	0.018394668
## 3976	60	29.387516	28.889424	29.890094	1.277385e-01	0.0461408244	0.093016548
## 3977	60	28.600260	28.306231	29.203397	7.458316e-02	0.0352569516	0.071338307
## 3978	60	28.997470	28.703521	29.472680	6.931845e-02	0.0339898142	0.068821565
## 3979	60	29.113120	28.928640	29.356468	9.182753e-03	0.0123711717	0.026551165
## 3980	60	29.490067	29.385895	29.606722	4.612916e-03	0.0087682345	0.019943951
## 3981	60	29.984005	29.474113	30.343318	6.232597e-02	0.0322298947	0.065330806
## 3982	60	30.625274	30.355590	30.840003	1.380688e-02	0.0151695306	0.031872909
## 3983	60	30.100370	29.306039	30.810957	2.082500e-01	0.0589137719	0.118526483
## 3984	60	29.416227	29.215587	29.579867	1.297203e-02	0.0147037554	0.030973349
## 3985	60	29.058600	28.891819	29.217275	1.027920e-02	0.0130889293	0.027901800
## 3986	60	29.602789	29.221497	30.057353	6.555689e-02	0.0330547250	0.066966728
## 3987	60	30.625580	29.963466	31.298874	1.901515e-01	0.0562955673	0.113294919
## 3988	60	30.407944	29.827327	31.172582	1.937817e-01	0.0568304031	0.114363411
## 3989	60	30.119370	29.835161	30.399673	3.819144e-02	0.0252294288	0.051482899
## 3990	60	29.964697	29.740199	30.291500	2.065070e-02	0.0185520441	0.038400400
## 3991	60	30.215791	30.001339	30.536462	1.657272e-02	0.0166196284	0.034659112
## 3992	60	30.555253	30.144629	30.802121	3.565192e-02	0.0243761898	0.049803988
## 3993	60	30.377008	30.135421	30.472897	1.046988e-02	0.0132097684	0.028139542
## 3994	60	30.649820	30.430424	30.927652	2.164601e-02	0.0189938651	0.039263127
## 3995	60	30.716259	30.334580	31.131081	6.327524e-02	0.0324744102	0.065818517
## 3996	60	30.474770	29.946834	31.014595	1.379094e-01	0.0479425667	0.096613850
## 3997	60	30.755453	30.557393	30.950886	9.818789e-03	0.0127924383	0.027355653
## 3998	60	30.593730	30.240840	31.031704	6.059660e-02	0.0317796062	0.064439892
## 3999	60	30.591847	30.007544	31.140626	1.253436e-01	0.0457062348	0.092152594
## 4000	60	30.640830	30.155801	31.017208	7.431672e-02	0.0351939203	0.071218495
## 4001	60	29.703872	28.972195	30.723468	2.836108e-01	0.0687520697	0.138200309
## 4002	60	29.328872	28.989741	29.831844	7.555874e-02	0.0354867908	0.071797005
## 4003	60	30.285388	29.853302	30.849136	7.916112e-02	0.0363228861	0.073462176
## 4004	60	31.423581	30.874823	31.866679	8.440576e-02	0.0375068344	0.075819809
## 4005	60	30.900201	30.116099	31.573060	2.070518e-01	0.0587440487	0.118188634
## 4006	60	30.020247	29.878845	30.139917	7.615111e-03	0.0112658118	0.024494876
## 4007	60	30.938898	30.171294	31.487398	1.650637e-01	0.0524505599	0.105614312
## 4008	60	31.172392	30.691026	31.469582	4.214519e-02	0.0265032049	0.053999646
## 4009	60	30.147970	29.640724	30.751003	1.018832e-01	0.0412074456	0.083183866
## 4010	60	29.333060	28.953646	29.626157	5.765934e-02	0.0309998225	0.062889008
## 4011	60	29.409471	29.064408	29.873485	8.531569e-02	0.0377084619	0.076215303
## 4012	60	29.652590	29.254295	29.855088	3.236074e-02	0.0232238178	0.047533370
## 4013	60	29.250730	29.100758	29.411257	5.943199e-03	0.0099525532	0.022074520
## 4014	60	29.478837	29.247858	29.694025	1.861159e-02	0.0176123024	0.036573432
## 4015	60	28.688290	28.428962	29.215294	4.844561e-02	0.0284152582	0.057769334
## 4016	60	28.834439	28.674905	29.094810	1.833960e-02	0.0174831327	0.036319754
## 4017	60	29.085793	28.952095	29.166711	3.107085e-03	0.0071961623	0.017271002
## 4018	60	29.443735	28.867287	30.032596	1.185834e-01	0.0444566124	0.089657906
## 4019	60	30.478449	30.073610	30.907955	7.937322e-02	0.0363715141	0.073559039
## 4020	60	30.798203	30.564227	31.013143	2.219860e-02	0.0192347786	0.039732575
## 4021	60	30.381763	30.143234	30.848292	4.494374e-02	0.0273690034	0.055707046
## 4022	60	30.262833	30.059376	30.519514	1.807781e-02	0.0173579040	0.036085649
## 4023	60	30.078194	29.722058	30.308365	3.580345e-02	0.0244279369	0.049903737
## 4024	60	29.669122	29.273219	29.913341	4.049821e-02	0.0259801894	0.052961317

## 4025	60	28.945634	28.597777	29.279520	4.279839e-02	0.0267077974	0.054394914
## 4026	60	29.054153	28.512347	29.921921	2.310376e-01	0.0620534167	0.124801517
## 4027	60	29.405365	29.153736	29.880927	4.597899e-02	0.0276824223	0.056322735
## 4028	60	29.195944	29.123095	29.281619	1.610672e-03	0.0051811702	0.014148066
## 4029	60	28.878908	28.456475	29.211151	5.221722e-02	0.0295006276	0.059917361
## 4030	60	28.691633	28.431277	29.087470	4.556795e-02	0.0275584089	0.056074606
## 4031	60	29.184854	29.026445	29.367933	1.330544e-02	0.0148915188	0.031330901
## 4032	60	29.149967	28.879002	29.393138	1.828906e-02	0.0174590286	0.036274813
## 4033	60	28.952376	28.825146	29.056301	6.878728e-03	0.0107072621	0.023453329
## 4034	60	29.047693	28.982342	29.135501	2.527588e-03	0.0064904901	0.016132454
## 4035	60	28.964922	28.844597	29.048449	3.906298e-03	0.0080687652	0.018726091
## 4036	60	29.050850	28.825871	29.279363	2.186910e-02	0.0190914897	0.039444255
## 4037	60	29.357397	29.124803	29.468126	1.101829e-02	0.0135513153	0.028778759
## 4038	60	29.387711	29.115618	29.581418	1.524926e-02	0.0159422189	0.033348071
## 4039	60	29.297608	29.121996	29.518578	1.618651e-02	0.0164248338	0.034277155
## 4040	60	29.911592	29.525096	30.332892	6.271647e-02	0.0323307050	0.065530779
## 4041	60	29.726965	29.111417	30.209385	9.257028e-02	0.0392789776	0.079341935
## 4042	60	29.271090	28.979615	29.561039	4.787538e-02	0.0282475298	0.057438858
## 4043	60	29.685908	29.432026	29.993897	4.166711e-02	0.0263524553	0.053696227
## 4044	60	29.600500	29.477332	29.768705	5.109312e-03	0.0092279572	0.020767429
## 4045	60	29.697637	29.463826	30.016280	2.633361e-02	0.0209497861	0.043075105
## 4046	60	31.158220	30.030476	32.032346	4.210190e-01	0.0837674372	0.168253524
## 4047	60	32.062285	31.777355	32.352313	3.019347e-02	0.0224326665	0.045991435
## 4048	60	32.268311	31.963941	32.610276	4.734296e-02	0.0280900227	0.057138832
## 4049	60	31.301154	30.285745	32.357912	3.234007e-01	0.0734166988	0.147535846
## 4050	60	30.446894	30.048557	30.809209	7.195824e-02	0.0346309700	0.070099290
## 4051	60	30.651047	30.447527	30.980482	2.422404e-02	0.0200931320	0.041405949
## 4052	60	31.517411	30.517277	32.008890	2.735295e-01	0.0675190658	0.135735800
## 4053	60	30.896064	30.405958	31.686030	1.357595e-01	0.0475674004	0.095866744
## 4054	60	30.127673	29.758320	30.858483	8.897473e-02	0.0385085995	0.077810260
## 4055	60	30.823469	30.648865	31.067231	1.923416e-02	0.0179044480	0.037147584
## 4056	60	30.957013	30.725767	31.290605	1.951597e-02	0.0180351392	0.037402331
## 4057	60	31.842375	31.334700	32.311444	5.511598e-02	0.0303084088	0.061528138
## 4058	60	32.539934	32.149338	33.021480	5.328437e-02	0.0298005500	0.060524821
## 4059	60	31.513970	30.761036	32.110222	2.268085e-01	0.0614828508	0.123664536
## 4060	60	30.868962	30.588676	31.192458	2.794282e-02	0.0215804015	0.044315264
## 4061	60	31.057710	30.584061	31.420753	7.122552e-02	0.0344542026	0.069750009
## 4062	60	31.276124	30.890005	31.555028	4.179286e-02	0.0263921896	0.053780874
## 4063	60	31.299899	31.096359	31.461018	1.146863e-02	0.0138254755	0.029313390
## 4064	60	31.151107	30.747525	31.553516	7.602194e-02	0.0355953986	0.072018022
## 4065	60	31.215632	30.787569	31.645229	6.207366e-02	0.0321645932	0.065205548
## 4066	60	30.922371	30.607548	31.273026	4.232687e-02	0.0265602680	0.054111504
## 4067	60	30.942775	30.677065	31.277485	3.066586e-02	0.0226074705	0.046329437
## 4068	60	30.948873	30.675924	31.440139	6.868108e-02	0.0338331884	0.068516662
## 4069	60	31.068760	30.703144	31.426213	2.260558e-02	0.0194102988	0.040076666
## 4070	60	30.683975	30.460172	30.985864	1.741049e-02	0.0170345199	0.035463004
## 4071	60	30.861830	30.335268	31.381723	1.488728e-01	0.0498117751	0.100345338
## 4072	60	31.580176	31.279959	31.890584	4.422160e-02	0.0271482365	0.055274950
## 4073	60	30.890002	30.561223	31.494449	8.647464e-02	0.0379637205	0.076727742
## 4074	60	30.722412	30.395392	31.186468	5.238432e-02	0.0295477904	0.060017793
## 4075	60	30.890821	30.610750	31.152705	2.408305e-02	0.0200345730	0.041292543
## 4076	60	30.575568	30.019657	31.044135	1.247600e-01	0.0455997030	0.091939890
## 4077	60	30.381218	30.115000	30.681150	1.148016e-02	0.0138324282	0.029320983
## 4078	60	31.433613	30.699924	31.907913	1.644759e-01	0.0523570983	0.105428524

## 4079	60	31.091705	30.575402	31.431084	4.841717e-02	0.0284069164	0.057761047
## 4080	60	30.683190	30.409098	30.879948	2.642857e-02	0.0209875230	0.043153199
## 4081	60	30.974807	30.767008	31.292844	1.747912e-02	0.0170680597	0.035529667
## 4082	60	30.786372	30.572651	31.031861	1.380287e-02	0.0151673253	0.031869959
## 4083	60	30.646867	30.406429	30.964084	2.138457e-02	0.0188788101	0.039039467
## 4084	60	30.675377	30.470384	30.913394	2.191527e-02	0.0191116305	0.039492264
## 4085	60	31.134435	30.862725	31.466814	3.902614e-02	0.0255036402	0.052027832
## 4086	60	30.882549	30.743855	31.319675	2.070121e-02	0.0185747182	0.038450163
## 4087	60	30.356022	30.136558	30.725687	2.893064e-02	0.0219585358	0.045053983
## 4088	60	30.303422	30.155978	30.543059	1.115146e-02	0.0136329640	0.028941406
## 4089	60	29.983228	29.617638	30.462784	6.100803e-02	0.0318873100	0.064651615
## 4090	60	30.590770	30.251266	30.805892	3.050900e-02	0.0225495751	0.046213632
## 4091	60	30.668922	30.526643	30.907718	1.550132e-02	0.0160734382	0.033608927
## 4092	60	30.773975	30.445915	31.209153	4.253849e-02	0.0266265821	0.054242161
## 4093	60	31.852873	31.251715	32.360132	1.293199e-01	0.0464255472	0.093590216
## 4094	60	32.417712	32.033898	32.673370	2.742753e-02	0.0213804936	0.043931025
## 4095	60	32.130910	31.602406	32.471771	8.230986e-02	0.0370382363	0.074889456
## 4096	60	30.776054	30.275929	31.620617	1.538352e-01	0.0506351656	0.101989622
## 4097	60	30.847796	30.495284	31.191673	5.053176e-02	0.0290206124	0.058974302
## 4098	60	31.803631	31.227320	32.154702	5.717040e-02	0.0308681067	0.062636590
## 4099	60	31.578235	31.454616	31.815699	1.196074e-02	0.0141189832	0.029873822
## 4100	60	31.379417	31.177236	31.549724	1.056672e-02	0.0132707209	0.028262816
## 4101	60	31.621532	31.329790	31.990069	3.740157e-02	0.0249671692	0.050972802
## 4102	60	31.672267	31.467617	31.925358	1.620368e-02	0.0164335442	0.034308832
## 4103	60	31.805076	31.499812	32.132659	4.761562e-02	0.0281707948	0.057296731
## 4104	60	32.345981	31.826681	32.888323	9.903830e-02	0.0406280494	0.082035388
## 4105	60	32.125639	31.749086	32.411431	4.941381e-02	0.0286977947	0.058340053
## 4106	60	32.165143	31.945494	32.419703	2.575610e-02	0.0207187902	0.042635399
## 4107	60	32.150351	31.857013	32.479002	3.973704e-02	0.0257348779	0.052487919
## 4108	60	32.098412	31.745237	32.511225	6.266404e-02	0.0323171893	0.065511124
## 4109	60	31.472681	31.206169	31.784956	2.329713e-02	0.0197049598	0.040652866
## 4110	60	31.276206	30.997490	31.625723	4.570397e-02	0.0275995070	0.056165513
## 4111	60	31.411248	31.109143	31.616706	1.694971e-02	0.0168075902	0.035028468
## 4112	60	31.495764	31.204931	31.883985	2.732896e-02	0.0213420384	0.043851884
## 4113	60	32.004056	31.840982	32.232561	1.247043e-02	0.0144166753	0.030443699
## 4114	60	31.527833	31.386182	31.944099	1.512722e-02	0.0158782991	0.033240191
## 4115	60	30.847839	30.464611	31.415369	8.977847e-02	0.0386821388	0.078157184
## 4116	60	31.280023	30.771994	31.875421	8.791737e-02	0.0382790995	0.077356363
## 4117	60	31.696201	31.105765	32.019283	6.842906e-02	0.0337710569	0.068395112
## 4118	60	31.136211	31.021077	31.265208	6.104522e-03	0.0100867258	0.022336132
## 4119	60	30.890644	30.715574	31.127724	1.735571e-02	0.0170076979	0.035412021
## 4120	60	31.251042	31.085240	31.555244	1.726296e-02	0.0169621922	0.035326671
## 4121	60	31.459544	31.024496	31.883475	1.036970e-01	0.0415726353	0.083914312
## 4122	60	31.488945	31.264443	31.742505	1.182832e-02	0.0140406088	0.029724222
## 4123	60	31.473756	31.205618	31.785821	3.939806e-02	0.0256248771	0.052268172
## 4124	60	31.541169	31.353890	31.744037	6.804362e-03	0.0106492268	0.023370322
## 4125	60	31.729667	31.482017	31.908758	1.395959e-02	0.0152531903	0.032040270
## 4126	60	31.621240	31.361768	31.861864	2.396147e-02	0.0199839375	0.041197410
## 4127	60	30.821135	30.340196	31.332246	5.963541e-02	0.0315265525	0.063939075
## 4128	60	30.378955	29.957732	30.987100	9.060161e-02	0.0388590647	0.078508156
## 4129	60	30.883048	30.635354	31.074104	1.950657e-02	0.0180307938	0.037392668
## 4130	60	31.375781	30.932090	31.790358	4.855881e-02	0.0284484349	0.057844502
## 4131	60	31.680703	31.582960	31.763268	2.909396e-03	0.0069634710	0.016925859
## 4132	60	31.685177	31.287520	32.009735	3.619062e-02	0.0245596625	0.050170360

## 4133	60	31.413744	31.126506	31.705359	4.087473e-02	0.0261006816	0.053206266
## 4134	60	31.207145	30.769304	31.422205	4.936874e-02	0.0286847042	0.058310501
## 4135	60	30.816443	30.544513	31.105116	3.095372e-02	0.0227133293	0.046536425
## 4136	60	30.881353	30.745700	31.016601	4.588693e-03	0.0087451826	0.019917339
## 4137	60	31.652039	31.024653	32.180283	1.414662e-01	0.0485568715	0.097842348
## 4138	60	31.651937	30.927711	32.083287	1.346637e-01	0.0473750444	0.095483839
## 4139	60	30.723836	30.561146	30.914691	9.348045e-03	0.0124820171	0.026771505
## 4140	60	30.878987	30.669013	31.090368	1.673044e-02	0.0166985253	0.034814739
## 4141	60	31.135241	30.722861	31.621814	8.319097e-02	0.0372359524	0.075280266
## 4142	60	31.043777	30.689711	31.543104	6.335194e-02	0.0324940871	0.065858906
## 4143	60	30.446841	30.244826	30.694385	1.667838e-02	0.0166725226	0.034762141
## 4144	60	30.896542	30.245200	31.237536	8.073481e-02	0.0366821515	0.074177711
## 4145	60	30.997585	30.770462	31.277859	2.442219e-02	0.0201751439	0.041567578
## 4146	60	30.775054	30.490471	31.170342	3.046013e-02	0.0225315079	0.046179865
## 4147	60	30.828495	30.489451	31.034942	3.382322e-02	0.0237427951	0.048558807
## 4148	60	30.617353	30.343552	30.913394	3.031035e-02	0.0224760429	0.046069833
## 4149	60	31.049489	30.790082	31.391524	3.978512e-02	0.0257504442	0.052514157
## 4150	60	31.269921	31.122341	31.389305	6.851247e-03	0.0106858525	0.023434520
## 4151	60	31.064549	30.837784	31.400815	2.761264e-02	0.0214525200	0.044065831
## 4152	60	30.852333	30.550559	31.101955	2.576222e-02	0.0207212533	0.042633590
## 4153	60	30.773684	30.516294	30.912923	1.173668e-02	0.0139861116	0.029614689
## 4154	60	31.003535	30.710959	31.333325	3.882711e-02	0.0254385226	0.051898910
## 4155	60	31.513612	31.166002	31.750441	2.659958e-02	0.0210553144	0.043290126
## 4156	60	31.091708	30.655837	31.657253	9.063440e-02	0.0388660946	0.078523988
## 4157	60	30.959398	30.589973	31.490364	1.149414e-01	0.0437686033	0.088289706
## 4158	60	31.380093	31.011238	31.533166	1.550448e-02	0.0160750724	0.033616023
## 4159	60	30.713066	30.384652	31.049713	5.368120e-02	0.0299113123	0.060737148
## 4160	60	30.700254	30.487683	31.024730	3.075987e-02	0.0226420969	0.046396231
## 4161	60	30.171063	29.928656	30.482008	2.729148e-02	0.0213273998	0.043816384
## 4162	60	29.968286	29.772985	30.324232	2.388006e-02	0.0199499627	0.041123137
## 4163	60	30.845749	30.331518	31.134950	7.065755e-02	0.0343165526	0.069475698
## 4164	60	30.554359	30.237523	31.012456	5.681011e-02	0.0307706857	0.062439583
## 4165	60	30.514265	30.254310	30.615795	7.822587e-03	0.0114182508	0.024781791
## 4166	60	30.029716	29.641017	30.413555	5.764436e-02	0.0309957963	0.062883708
## 4167	60	30.062076	29.645513	30.565660	1.157453e-01	0.0439213910	0.088592053
## 4168	60	30.357152	30.194834	30.536993	1.069039e-02	0.0133481549	0.028401770
## 4169	60	30.317051	30.193205	30.568824	1.517205e-02	0.0159018091	0.033276613
## 4170	60	30.992019	30.530944	31.363202	8.300574e-02	0.0371944757	0.075197024
## 4171	60	31.125861	30.836351	31.512618	5.825806e-02	0.0311603540	0.063213654
## 4172	60	31.264535	30.910547	31.543457	2.382770e-02	0.0199280785	0.041086767
## 4173	60	31.497631	31.298050	31.714749	1.260823e-02	0.0144961069	0.030591564
## 4174	60	31.734134	31.515448	31.923352	1.511607e-02	0.0158724440	0.033228804
## 4175	60	31.090543	30.892067	31.679841	4.571399e-02	0.0276025337	0.056171701
## 4176	60	31.056218	30.956640	31.187451	3.956652e-03	0.0081206033	0.018839571
## 4177	60	30.730495	30.383808	31.042582	5.437031e-02	0.0301026872	0.061116169
## 4178	60	30.686122	30.551720	30.871976	9.472914e-03	0.0125651061	0.026927291
## 4179	60	30.579222	30.509010	30.684135	3.338857e-03	0.0074597327	0.017724923
## 4180	60	30.700741	30.543726	31.014459	1.939849e-02	0.0179807704	0.037295295
## 4181	60	30.994004	30.802218	31.208074	1.909945e-02	0.0178416409	0.037026623
## 4182	60	30.471931	30.198743	30.822445	4.685621e-02	0.0279452464	0.056845851
## 4183	60	30.449340	30.302535	30.623099	8.862790e-03	0.0121537304	0.026153558
## 4184	60	30.975993	30.658370	31.098421	9.827907e-03	0.0127983766	0.027367970
## 4185	60	30.880654	30.502804	31.106236	2.289618e-02	0.0195346599	0.040317300
## 4186	60	30.901816	30.454262	31.214065	6.658530e-02	0.0333129846	0.067483091



## 4187	60	31.222289	30.926277	31.507590	4.006961e-02	0.0258423462	0.052695877
## 4188	60	31.231016	30.882108	31.514348	2.716944e-02	0.0212796608	0.043727973
## 4189	60	30.532974	30.295033	30.862941	2.284897e-02	0.0195145138	0.040276748
## 4190	60	30.331930	30.211838	30.440714	4.162442e-03	0.0083291072	0.019185781
## 4191	60	30.652302	30.383041	30.843519	2.146597e-02	0.0189147059	0.039108643
## 4192	60	30.914039	30.770089	31.110224	1.113121e-02	0.0136205799	0.028922048
## 4193	60	30.692345	30.567822	30.915064	9.602354e-03	0.0126506612	0.027088505
## 4194	60	30.489414	30.424749	30.630543	3.783918e-03	0.0079413668	0.018529618
## 4195	60	30.348055	30.193303	30.457562	5.522734e-03	0.0095940379	0.021433907
## 4196	60	30.140962	29.953666	30.284901	1.738857e-02	0.0170237901	0.035438069
## 4197	60	30.339226	29.921293	30.623787	6.476415e-02	0.0328542603	0.066570656
## 4198	60	30.623910	30.455951	30.799665	9.516223e-03	0.0125937968	0.026980665
## 4199	60	30.230243	30.085667	30.437551	1.209638e-02	0.0141988140	0.030016058
## 4200	60	30.175814	29.878629	30.642327	6.540642e-02	0.0330167697	0.066893263
## 4201	60	30.332521	30.107657	30.628384	3.646045e-02	0.0246510471	0.050344401
## 4202	60	30.264910	30.093107	30.428872	1.500340e-02	0.0158131802	0.033105325
## 4203	60	30.324290	30.209776	30.431188	2.304973e-03	0.0061980820	0.015691783
## 4204	60	30.100623	29.872896	30.263892	1.506188e-02	0.0158439665	0.033163454
## 4205	60	29.724191	29.644905	29.872718	6.325994e-03	0.0102680683	0.022654514
## 4206	60	29.974962	29.678084	30.100982	1.393168e-02	0.0152379330	0.031999078
## 4207	60	29.927730	29.837615	30.040528	2.778234e-03	0.0068046974	0.016646462
## 4208	60	29.982661	29.871933	30.170017	7.116136e-03	0.0108904665	0.023800795
## 4209	60	29.956654	29.743459	30.216591	1.950234e-02	0.0180288361	0.037383993
## 4210	60	30.137001	30.002124	30.212762	4.119912e-03	0.0082864468	0.019110252
## 4211	60	29.978001	29.903367	30.043726	1.679253e-03	0.0052903255	0.014318108
## 4212	60	30.025353	29.963857	30.171510	3.150473e-03	0.0072462320	0.017366170
## 4213	60	30.054048	29.793306	30.316575	2.990240e-02	0.0223242782	0.045769295
## 4214	60	29.877638	29.688801	30.111958	1.917703e-02	0.0178778388	0.037090517
## 4215	60	30.124295	30.060830	30.260770	2.586271e-03	0.0065654032	0.016266834
## 4216	60	30.264161	30.146062	30.379134	4.702851e-03	0.0088532964	0.020103221
## 4217	60	30.432322	30.158570	30.684980	2.386942e-02	0.0199455156	0.041116329
## 4218	60	30.286430	30.202570	30.413949	3.967382e-03	0.0081316070	0.018849017
## 4219	60	30.352899	30.144549	30.518355	1.200218e-02	0.0141434216	0.029911164
## 4220	60	29.946721	29.858467	30.128822	5.149662e-03	0.0092643238	0.020836303
## 4221	60	30.045393	29.932562	30.123461	2.601267e-03	0.0065844102	0.016295156
## 4222	60	30.077550	29.881928	30.271332	1.864053e-02	0.0176259875	0.036603289
## 4223	60	29.906213	29.623800	30.275340	3.745125e-02	0.0249837436	0.050998242
## 4224	60	29.753016	29.636561	29.841131	3.293883e-03	0.0074093220	0.017630770
## 4225	60	29.788728	29.758281	29.840562	3.891462e-04	0.0025467176	0.010967254
## 4226	60	30.084611	29.832551	30.248576	9.592010e-03	0.0126438459	0.027070526
## 4227	60	30.081525	29.910593	30.238071	8.260014e-03	0.0117331541	0.025364644
## 4228	60	29.919579	29.783625	30.102217	7.943196e-03	0.0115059374	0.024940456
## 4229	60	29.915097	29.558155	30.118711	3.376125e-02	0.0237210334	0.048511975
## 4230	60	29.445092	29.363672	29.546650	3.042731e-03	0.0071212488	0.017153295
## 4231	60	29.573235	29.489896	29.670977	3.205966e-03	0.0073097715	0.017464251
## 4232	60	29.687044	29.596082	29.720076	8.805756e-04	0.0038309608	0.012347735
## 4233	60	29.601357	29.518871	29.682500	2.401336e-03	0.0063263152	0.015881375
## 4234	60	29.422910	29.355213	29.513885	1.612257e-03	0.0051837197	0.014155411
## 4235	60	29.335046	29.177604	29.446867	8.712328e-03	0.0120501232	0.025950221
## 4236	60	29.136474	29.049705	29.229465	3.394540e-03	0.0075216795	0.017809374
## 4237	60	29.112488	29.081092	29.137031	1.567839e-04	0.0016164980	0.010233372
## 4238	60	29.062573	28.958925	29.121191	2.678658e-03	0.0066816395	0.016436561
## 4239	60	29.015056	28.938120	29.107550	3.109382e-03	0.0071988221	0.017274600
## 4240	60	28.999384	28.902871	29.159528	5.637043e-03	0.0096928174	0.021600378

## 4241	60	29.085215	29.004894	29.167025	2.244761e-03	0.0061165906	0.015547202
## 4242	60	28.933307	28.856412	29.002578	1.917265e-03	0.0056528232	0.014837685
## 4243	60	28.840087	28.714196	28.894155	2.627696e-03	0.0066177744	0.016331437
## 4244	60	28.637116	28.604645	28.704228	7.447955e-04	0.0035232454	0.011962640
## 4245	60	28.685717	28.589417	28.733863	1.576775e-03	0.0051263623	0.014060562
## 4246	60	28.517606	28.485598	28.584038	5.036019e-04	0.0028971304	0.011279531
## 4247	60	28.480713	28.465267	28.501927	1.209271e-04	0.0014196660	0.010103768
## 4248	60	28.458118	28.437322	28.515820	3.904662e-04	0.0025510333	0.010944187
## 4249	60	28.597377	28.519648	28.641739	7.869103e-04	0.0036214874	0.012076415
## 4250	60	28.687631	28.620916	28.760632	2.397990e-03	0.0063219065	0.015861480
## 4251	60	28.769262	28.722832	28.812841	8.838195e-04	0.0038380105	0.012339926
## 4252	60	28.607714	28.495332	28.744263	5.508324e-03	0.0095815138	0.021394892
## 4253	60	28.468522	28.426902	28.507892	6.158528e-04	0.0032037811	0.011599915
## 4254	60	28.464317	28.370324	28.504793	1.569506e-03	0.0051145324	0.014039957
## 4255	60	28.371608	28.310940	28.394500	3.297855e-04	0.0023444455	0.010758265
## 4256	60	28.167181	28.021620	28.305585	7.194833e-03	0.0109505200	0.023895551
## 4257	60	27.932923	27.856150	28.017793	2.210140e-03	0.0060692396	0.015457421
## 4258	60	27.811680	27.760694	27.854620	5.496528e-04	0.0030266947	0.011398432
## 4259	60	27.742109	27.708326	27.767149	2.578657e-04	0.0020731045	0.010523445
## 4260	60	27.631741	27.538047	27.703363	1.812448e-03	0.0054961320	0.014584299
## 4261	60	27.427716	27.344565	27.532297	3.330138e-03	0.0074499867	0.017668977
## 4262	60	27.273786	27.231469	27.346097	1.408017e-03	0.0048442700	0.013638577
## 4263	60	27.316730	27.233333	27.375877	2.877800e-03	0.0069255569	0.016806191
## 4264	60	27.350365	27.304819	27.379114	5.734503e-04	0.0030915215	0.011457500
## 4265	60	27.307957	27.245986	27.347704	6.939424e-04	0.0034008392	0.011796828
## 4266	57	27.167226	27.088067	27.245593	2.163392e-03	0.0061607015	0.015588198
## 4267	60	27.015686	26.931236	27.087322	2.684847e-03	0.0066893541	0.016421376
## 4268	60	26.846198	26.769154	26.930863	2.329882e-03	0.0062314824	0.015694109
## 4269	60	26.708262	26.664199	26.768881	1.231849e-03	0.0045310950	0.013198397
## 4270	60	26.613568	26.565422	26.669356	1.117553e-03	0.0043157718	0.012909505
## 4271	60	26.538043	26.469122	26.582035	1.537651e-03	0.0050623620	0.013934737
## 4272	60	26.470051	26.448664	26.486595	1.049036e-04	0.0013222685	0.010007017
## 4273	60	26.419656	26.351994	26.463237	1.244757e-03	0.0045547727	0.013225329
## 4274	60	26.301022	26.251854	26.349698	9.223913e-04	0.0039208658	0.012398006
## 4275	60	26.194635	26.168898	26.249952	6.662298e-04	0.0033322409	0.011698770
## 4276	60	26.177206	26.156639	26.202687	1.761633e-04	0.0017134921	0.010231808
## 4277	60	26.117063	26.079569	26.163366	6.570214e-04	0.0033091324	0.011671284
## 4278	60	26.069474	26.020170	26.105456	6.128856e-04	0.0031960538	0.011545467
## 4279	60	25.969717	25.913077	26.023915	1.406113e-03	0.0048409932	0.013612528
## 4280	60	25.921018	25.888369	25.942826	2.859723e-04	0.0021831640	0.010572566
## 4281	60	25.913273	25.866486	25.957749	1.215164e-03	0.0045003034	0.013143236
## 4282	60	25.797499	25.750849	25.872310	1.554838e-03	0.0050905764	0.013963920
## 4283	60	25.744722	25.735066	25.758989	4.280609e-05	0.0008446507	0.009784956
## 4284	60	25.713550	25.690554	25.740594	2.687445e-04	0.0021163827	0.010514741
## 4285	60	25.694475	25.649689	25.742026	8.049586e-04	0.0036627825	0.012072213
## 4286	60	25.614021	25.546435	25.681376	2.382486e-03	0.0063014368	0.015786202
## 4287	60	25.667859	25.584140	25.696869	8.828470e-04	0.0038358985	0.012281215
## 4288	60	25.565895	25.505770	25.681749	3.501430e-03	0.0076391864	0.017961398
## 4289	60	25.473938	25.459261	25.509887	2.148313e-04	0.0018922266	0.010340271
## 4290	60	25.535508	25.468927	25.573708	8.647801e-04	0.0037964459	0.012230647
## 4291	60	25.465938	25.415634	25.498024	5.937882e-04	0.0031458654	0.011479424
## 4292	60	25.356499	25.265293	25.414871	1.922008e-03	0.0056598118	0.014794508
## 4293	60	25.242826	25.216123	25.265979	1.922229e-04	0.0017898925	0.010263073
## 4294	60	25.172516	25.147601	25.217279	5.096018e-04	0.0029143376	0.011230791

##	4295	60	25.072049	24.985233	25.170009	3.925307e-03	0.0080883737	0.018713491
##	4296	60	25.161620	25.028207	25.243961	3.824143e-03	0.0079834649	0.018536192
##	4297	60	25.014675	24.904287	25.096040	3.461658e-03	0.0075956769	0.017881411
##	4298	60	24.907429	24.853398	24.953003	9.558435e-04	0.0039913312	0.012461535
##	4299	60	24.946618	24.832734	25.026187	4.957697e-03	0.0090900103	0.020473311
##	4300	60	24.924254	24.762103	25.030853	8.488898e-03	0.0118946053	0.025623988
##	4301	60	24.694371	24.635157	24.768319	2.579597e-03	0.0065569261	0.016178192
##	4302	60	24.572199	24.539500	24.625591	5.131026e-04	0.0029243307	0.011229445
##	4303	60	24.549003	24.427851	24.647782	7.324640e-03	0.0110488609	0.024046317
##	4304	60	24.524326	24.379554	24.747658	1.584021e-02	0.0162481836	0.033907299
##	4305	60	24.604805	24.453881	24.766710	1.192770e-02	0.0140994682	0.029787317
##	4306	60	24.448403	24.407760	24.481616	4.198958e-04	0.0026454230	0.010950914
##	4307	60	24.432260	24.393137	24.485616	9.317017e-04	0.0039406043	0.012389549
##	4308	60	24.364577	24.268185	24.452450	4.589327e-03	0.0087457870	0.019852002
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## 4080 2014-04-03 19:57:00.0  
## 4081 2014-04-03 19:58:00.0  
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## 4301 2014-04-03 23:38:00.0
## 4302 2014-04-03 23:39:00.0
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## 4307 2014-04-03 23:44:00.0
## 4308 2014-04-03 23:45:00.0
## 4309 2014-04-03 23:46:00.0
## 4310 2014-04-03 23:47:00.0
## 4311 2014-04-03 23:48:00.0
## 4312 2014-04-03 23:49:00.0
## 4313 2014-04-03 23:50:00.0
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## 4319 2014-04-03 23:56:00.0
## 4320 2014-04-03 23:57:00.0
## 4321 2014-04-03 23:58:00.0
## 4322 2014-04-03 23:59:00.0
## 4323 2014-04-04 00:00:00.0
```

Now lets group on date and calculate average of mean temperatures

```
sub<-aggregate(data$temperature$mean, list(data$temperature$NDate), mean)
```

Now lets plot this data

```
install.packages("ggplot2",repo="https://cran.rstudio.com/")
```

```
## Installing package into 'C:/Users/Mian Mudarib/Documents/R/win-library/4.1'
## (as 'lib' is unspecified)
```

```
## package 'ggplot2' successfully unpacked and MD5 sums checked
##
```

```
## The downloaded binary packages are in
## C:\Users\Mian Mudarib\AppData\Local\Temp\Rtmpq0iKP6\downloaded_packages
```

```
library("ggplot2")
ggplot(data = sub, aes(Group.1, x,group = 1)) +geom_line()
```

