

R - Practice 02

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Data import (tibble & readr)

Table called tibble

```
# some build in tibbles (inside ggplot2)
ggplot2::economics
```

```
## # A tibble: 574 x 6
##   date       pce    pop psavert uempmed unemploy
##   <date>     <dbl> <dbl>   <dbl>   <dbl>   <dbl>
## 1 1967-07-01  507. 198712    12.6     4.5    2944
## 2 1967-08-01  510. 198911    12.6     4.7    2945
## 3 1967-09-01  516. 199113    11.9     4.6    2958
## 4 1967-10-01  512. 199311    12.9     4.9    3143
## 5 1967-11-01  517. 199498    12.8     4.7    3066
## 6 1967-12-01  525. 199657    11.8     4.8    3018
## 7 1968-01-01  531. 199808    11.7     5.1    2878
## 8 1968-02-01  534. 199920    12.3     4.5    3001
## 9 1968-03-01  544. 200056    11.7     4.1    2877
## 10 1968-04-01  544 200208    12.3     4.6    2709
## # i 564 more rows
```

```
class(ggplot2::economics)
```

```
## [1] "spec_tbl_df" "tbl_df"      "tbl"         "data.frame"
ggplot2::diamonds
```

```
## # A tibble: 53,940 x 10
##   carat cut      color clarity depth table price     x     y     z
##   <dbl> <ord>    <ord> <ord>  <dbl> <dbl> <int> <dbl> <dbl> <dbl>
## 1  0.23 Ideal    E     SI2    61.5   55   326   3.95   3.98   2.43
## 2  0.21 Premium  E     SI1    59.8   61   326   3.89   3.84   2.31
## 3  0.23 Good     E     VS1    56.9   65   327   4.05   4.07   2.31
## 4  0.29 Premium  I     VS2    62.4   58   334   4.2    4.23   2.63
## 5  0.31 Good     J     SI2    63.3   58   335   4.34   4.35   2.75
## 6  0.24 Very Good J     VVS2    62.8   57   336   3.94   3.96   2.48
## 7  0.24 Very Good I     VVS1    62.3   57   336   3.95   3.98   2.47
## 8  0.26 Very Good H     SI1    61.9   55   337   4.07   4.11   2.53
## 9  0.22 Fair     E     VS2    65.1   61   337   3.87   3.78   2.49
## 10 0.23 Very Good H     VS1    59.4   61   338   4      4.05   2.39
## # i 53,930 more rows
```

```
class(ggplot2::diamonds)
```

```
## [1] "tbl_df"      "tbl"        "data.frame"
```

```
ggplot2::faithfuld
```

```
## # A tibble: 5,625 x 3
##   eruptions waiting density
##   <dbl>    <dbl>    <dbl>
## 1     1.6      43 0.00322
## 2     1.65     43 0.00384
## 3     1.69     43 0.00444
## 4     1.74     43 0.00498
## 5     1.79     43 0.00542
## 6     1.84     43 0.00574
## 7     1.88     43 0.00592
## 8     1.93     43 0.00594
## 9     1.98     43 0.00581
## 10    2.03     43 0.00554
## # i 5,615 more rows
```

```
class(ggplot2::faithfuld)
```

```
## [1] "tbl_df"      "tbl"        "data.frame"
```

```
# hflights data set (not a tibble - can be converted, shown later)
```

```
hflights::hflights
```

```
##   Year Month DayofMonth DayOfWeek DepTime ArrTime UniqueCarrier FlightNum
## 5424 2011    1          1         6    1400    1500           AA        428
## 5425 2011    1          2         7    1401    1501           AA        428
## 5426 2011    1          3         1    1352    1502           AA        428
## 5427 2011    1          4         2    1403    1513           AA        428
## 5428 2011    1          5         3    1405    1507           AA        428
## 5429 2011    1          6         4    1359    1503           AA        428
## 5430 2011    1          7         5    1359    1509           AA        428
## 5431 2011    1          8         6    1355    1454           AA        428
## 5432 2011    1          9         7    1443    1554           AA        428
## 5433 2011    1         10         1    1443    1553           AA        428
## 5434 2011    1         11         2    1429    1539           AA        428
## 5435 2011    1         12         3    1419    1515           AA        428
## 5436 2011    1         13         4    1358    1501           AA        428
```

##	5437	2011	1	14	5	1357	1504	AA	428
##	5438	2011	1	15	6	1359	1459	AA	428
##	5439	2011	1	16	7	1359	1509	AA	428
##	5440	2011	1	17	1	1530	1634	AA	428
##	5441	2011	1	18	2	1408	1508	AA	428
##	5442	2011	1	19	3	1356	1503	AA	428
##	5443	2011	1	20	4	1507	1622	AA	428
##	5444	2011	1	21	5	1357	1459	AA	428
##	5445	2011	1	22	6	1355	1456	AA	428
##	5446	2011	1	23	7	1356	1501	AA	428
##	5447	2011	1	24	1	1356	1513	AA	428
##	5448	2011	1	25	2	1352	1452	AA	428
##	5449	2011	1	26	3	1353	1455	AA	428
##	5450	2011	1	27	4	1356	1458	AA	428
##	5451	2011	1	28	5	1359	1505	AA	428
##	5452	2011	1	29	6	1355	1455	AA	428
##	5453	2011	1	30	7	1359	1456	AA	428
##	5454	2011	1	31	1	1441	1553	AA	428
##	6343	2011	1	1	6	728	840	AA	460
##	6344	2011	1	2	7	719	821	AA	460
##	6345	2011	1	3	1	717	834	AA	460
##	6346	2011	1	4	2	714	821	AA	460
##	6347	2011	1	5	3	718	822	AA	460
##	6348	2011	1	6	4	719	821	AA	460
##	6349	2011	1	7	5	711	827	AA	460
##	6350	2011	1	8	6	713	805	AA	460
##	6351	2011	1	9	7	714	829	AA	460
##	6352	2011	1	10	1	715	818	AA	460
##	6353	2011	1	11	2	717	820	AA	460
##	6354	2011	1	12	3	714	814	AA	460
##	6355	2011	1	13	4	722	841	AA	460
##	6356	2011	1	14	5	715	828	AA	460
##	6357	2011	1	15	6	719	833	AA	460
##	6358	2011	1	16	7	743	843	AA	460
##	6359	2011	1	17	1	724	842	AA	460
##	6360	2011	1	18	2	721	827	AA	460
##	6361	2011	1	19	3	714	833	AA	460
##	6362	2011	1	20	4	719	822	AA	460
##	6363	2011	1	21	5	712	811	AA	460
##	6364	2011	1	22	6	717	829	AA	460
##	6365	2011	1	23	7	710	814	AA	460
##	6366	2011	1	24	1	731	904	AA	460
##	6367	2011	1	25	2	719	818	AA	460
##	6368	2011	1	26	3	716	824	AA	460
##	6369	2011	1	27	4	715	825	AA	460
##	6370	2011	1	28	5	741	846	AA	460
##	6371	2011	1	29	6	720	825	AA	460
##	6372	2011	1	30	7	716	820	AA	460
##	6373	2011	1	31	1	718	816	AA	460
##	8186	2011	1	2	7	1959	2106	AA	533
##	8187	2011	1	3	1	1958	2107	AA	533
##	8188	2011	1	4	2	2100	2207	AA	533
##	8189	2011	1	5	3	1958	2106	AA	533
##	8190	2011	1	6	4	1955	2103	AA	533

##	8191	2011	1	7	5	1958	2055	AA	533
##	8192	2011	1	9	7	2045	2155	AA	533
##	8193	2011	1	10	1	2029	2133	AA	533
##	8194	2011	1	11	2	1953	2051	AA	533
##	8195	2011	1	12	3	2015	2113	AA	533
##	8196	2011	1	13	4	2020	2116	AA	533
##	8197	2011	1	14	5	2119	2229	AA	533
##	8198	2011	1	16	7	1956	2119	AA	533
##	8199	2011	1	17	1	2030	2131	AA	533
##	8200	2011	1	18	2	1957	2106	AA	533
##	8201	2011	1	19	3	2029	2123	AA	533
##	8202	2011	1	20	4	2004	2121	AA	533
##	8203	2011	1	21	5	2036	2134	AA	533
##	8204	2011	1	23	7	2001	2057	AA	533
##	8205	2011	1	24	1	2043	2139	AA	533
##	8206	2011	1	25	2	2004	2107	AA	533
##	8207	2011	1	26	3	2009	2103	AA	533
##	8208	2011	1	27	4	2039	2130	AA	533
##	8209	2011	1	28	5	1959	2100	AA	533
##	8210	2011	1	30	7	1959	2132	AA	533
##	8211	2011	1	31	1	1954	2105	AA	533
##	19266	2011	1	1	6	1631	1736	AA	1121
##	19267	2011	1	2	7	1636	1759	AA	1121
##	19268	2011	1	3	1	1623	1738	AA	1121
##	19269	2011	1	4	2	1629	1732	AA	1121
##	19270	2011	1	5	3	1629	1740	AA	1121
##	19271	2011	1	6	4	1625	1732	AA	1121
##	19272	2011	1	7	5	1630	1733	AA	1121
##	19273	2011	1	8	6	1627	1736	AA	1121
##	19274	2011	1	9	7	1835	1951	AA	1121
##	19275	2011	1	10	1	1639	1740	AA	1121
##	19276	2011	1	11	2	1752	1855	AA	1121
##	19277	2011	1	12	3	1631	1739	AA	1121
##	19278	2011	1	13	4	1630	1733	AA	1121
##	19279	2011	1	14	5	1629	1734	AA	1121
##	19280	2011	1	15	6	1632	1736	AA	1121
##	19281	2011	1	16	7	1708	1819	AA	1121
##	19282	2011	1	17	1	1632	1744	AA	1121
##	19283	2011	1	18	2	1625	1740	AA	1121
##	19284	2011	1	19	3	1629	1731	AA	1121
##	19285	2011	1	20	4	1641	1752	AA	1121
##	19286	2011	1	21	5	1638	1746	AA	1121
##	19287	2011	1	22	6	1623	1742	AA	1121
##	19288	2011	1	23	7	1622	1738	AA	1121
##	19289	2011	1	24	1	1621	1749	AA	1121
##	19290	2011	1	25	2	1627	1733	AA	1121
##	19291	2011	1	26	3	1634	1745	AA	1121
##	19292	2011	1	27	4	1634	1740	AA	1121
##	19293	2011	1	28	5	1625	1730	AA	1121
##	19294	2011	1	29	6	1630	1731	AA	1121
##	19295	2011	1	30	7	1635	1733	AA	1121
##	19296	2011	1	31	1	1656	1758	AA	1121
##	23655	2011	1	1	6	1756	2112	AA	1294
##	23656	2011	1	2	7	1823	2132	AA	1294

##	23657	2011	1	3	1	1755	2106	AA	1294
##	23658	2011	1	4	2	1757	2122	AA	1294
##	23659	2011	1	5	3	1751	2100	AA	1294
##	23660	2011	1	6	4	1746	2120	AA	1294
##	23661	2011	1	7	5	1757	2108	AA	1294
##	23662	2011	1	8	6	1749	2100	AA	1294
##	23663	2011	1	9	7	1810	2123	AA	1294
##	23664	2011	1	10	1	1934	2235	AA	1294
##	23665	2011	1	11	2	1848	2156	AA	1294
##	23666	2011	1	12	3	1748	2102	AA	1294
##	23667	2011	1	13	4	1748	2127	AA	1294
##	23668	2011	1	14	5	1754	2101	AA	1294
##	23669	2011	1	15	6	1749	2059	AA	1294
##	23670	2011	1	16	7	1807	2137	AA	1294
##	23671	2011	1	17	1	1803	2121	AA	1294
##	23672	2011	1	18	2	1839	2154	AA	1294
##	23673	2011	1	19	3	1751	2103	AA	1294
##	23674	2011	1	20	4	1750	2114	AA	1294
##	23675	2011	1	21	5	1818	2133	AA	1294
##	23676	2011	1	22	6	1750	2055	AA	1294
##	23677	2011	1	23	7	1753	2113	AA	1294
##	23678	2011	1	24	1	1828	2146	AA	1294
##	23679	2011	1	25	2	1750	2118	AA	1294
##	23680	2011	1	26	3	1905	2211	AA	1294
##	23681	2011	1	27	4	1812	2129	AA	1294
##	23682	2011	1	28	5	1750	2108	AA	1294
##	23683	2011	1	29	6	1753	2102	AA	1294
##	23684	2011	1	30	7	1856	2209	AA	1294
##	23685	2011	1	31	1	1757	2101	AA	1294
##	27063	2011	1	3	1	907	1013	AA	1436
##	27064	2011	1	4	2	930	1030	AA	1436
##	27065	2011	1	5	3	916	1019	AA	1436
##	27066	2011	1	6	4	907	1015	AA	1436
##	27067	2011	1	7	5	904	1012	AA	1436
##	27068	2011	1	10	1	941	1113	AA	1436
##	27069	2011	1	11	2	901	1005	AA	1436
##	27070	2011	1	12	3	909	1009	AA	1436
##	27071	2011	1	13	4	907	1022	AA	1436
##	27072	2011	1	14	5	903	1012	AA	1436
##	27073	2011	1	17	1	930	1040	AA	1436
##	27074	2011	1	18	2	923	1030	AA	1436
##	27075	2011	1	19	3	916	1028	AA	1436
##	27076	2011	1	20	4	907	1018	AA	1436
##	27077	2011	1	21	5	918	1037	AA	1436
##	27078	2011	1	24	1	912	1017	AA	1436
##	27079	2011	1	25	2	901	1007	AA	1436
##	27080	2011	1	26	3	910	1018	AA	1436
##	27081	2011	1	27	4	908	1011	AA	1436
##	27082	2011	1	28	5	907	1012	AA	1436
##	27083	2011	1	31	1	941	1054	AA	1436
##	33051	2011	1	1	6	1012	1347	AA	1700
##	33052	2011	1	2	7	1008	1321	AA	1700
##	33053	2011	1	3	1	1018	1323	AA	1700
##	33054	2011	1	4	2	1026	1333	AA	1700

##	33055	2011	1	5	3	1021	1331	AA	1700
##	33056	2011	1	6	4	1020	1322	AA	1700
##	33057	2011	1	7	5	1010	1316	AA	1700
##	33058	2011	1	8	6	1019	1324	AA	1700
##	33059	2011	1	9	7	1029	1338	AA	1700
##	33060	2011	1	10	1	1038	1414	AA	1700
##	33061	2011	1	11	2	1134	1454	AA	1700
##	33062	2011	1	12	3	1019	1327	AA	1700
##	33063	2011	1	13	4	1018	1326	AA	1700
##	33064	2011	1	14	5	1024	1327	AA	1700
##	33065	2011	1	15	6	1022	1340	AA	1700
##	33066	2011	1	16	7	1021	1332	AA	1700
##	33067	2011	1	17	1	1019	1332	AA	1700
##	33068	2011	1	18	2	1017	1332	AA	1700
##	33069	2011	1	19	3	1016	1331	AA	1700
##	33070	2011	1	20	4	1015	1325	AA	1700
##	33071	2011	1	21	5	1017	1325	AA	1700
##	33072	2011	1	22	6	1026	1345	AA	1700
##	33073	2011	1	23	7	1012	1327	AA	1700
##	33074	2011	1	24	1	NA	NA	AA	1700
##	33075	2011	1	25	2	1040	1354	AA	1700
##	33076	2011	1	26	3	1015	1329	AA	1700
##	33077	2011	1	27	4	1017	1335	AA	1700
##	33078	2011	1	28	5	1020	1318	AA	1700
##	33079	2011	1	29	6	1015	1326	AA	1700
##	33080	2011	1	30	7	1019	1324	AA	1700
##	33081	2011	1	31	1	1013	1336	AA	1700
##	35256	2011	1	1	6	1211	1325	AA	1820
##	35257	2011	1	2	7	1200	1303	AA	1820
##	35258	2011	1	3	1	1204	1308	AA	1820
##	35259	2011	1	4	2	1206	1319	AA	1820
##	35260	2011	1	5	3	1205	1311	AA	1820
##	35261	2011	1	6	4	1204	1310	AA	1820
##	35262	2011	1	7	5	1204	1316	AA	1820
##	35263	2011	1	8	6	1202	1308	AA	1820
##	35264	2011	1	9	7	NA	NA	AA	1820
##	35265	2011	1	10	1	1217	1329	AA	1820
##	35266	2011	1	11	2	1205	1310	AA	1820
##	35267	2011	1	12	3	1206	1305	AA	1820
##	35268	2011	1	13	4	1205	1311	AA	1820
##	35269	2011	1	14	5	1205	1315	AA	1820
##	35270	2011	1	15	6	1222	1329	AA	1820
##	35271	2011	1	16	7	1205	1306	AA	1820
##	35272	2011	1	17	1	1205	1322	AA	1820
##	35273	2011	1	18	2	1235	1334	AA	1820
##	35274	2011	1	19	3	1204	1311	AA	1820
##	35275	2011	1	20	4	1214	1324	AA	1820
##	35276	2011	1	21	5	1206	1312	AA	1820
##	35277	2011	1	22	6	1200	1312	AA	1820
##	35278	2011	1	23	7	1217	1308	AA	1820
##	35279	2011	1	24	1	1212	1318	AA	1820
##	35280	2011	1	25	2	1159	1259	AA	1820
##	35281	2011	1	26	3	1159	1314	AA	1820
##	35282	2011	1	27	4	1159	1311	AA	1820

##	35283	2011	1	28	5	1255	1358	AA	1820
##	35284	2011	1	29	6	1156	1302	AA	1820
##	35285	2011	1	30	7	1159	1319	AA	1820
##	35286	2011	1	31	1	1205	1317	AA	1820
##	35375	2011	1	2	7	907	1018	AA	1824
##	35376	2011	1	8	6	902	1010	AA	1824
##	35377	2011	1	9	7	938	1050	AA	1824
##	35378	2011	1	15	6	905	1007	AA	1824
##	35379	2011	1	16	7	903	1012	AA	1824
##	35380	2011	1	22	6	930	1041	AA	1824
##	35381	2011	1	23	7	903	1023	AA	1824
##	35382	2011	1	29	6	903	1020	AA	1824
##	35383	2011	1	30	7	904	1013	AA	1824
##	39453	2011	1	1	6	557	906	AA	1994
##	39454	2011	1	2	7	554	912	AA	1994
##	39455	2011	1	3	1	555	905	AA	1994
##	39456	2011	1	4	2	558	923	AA	1994
##	39457	2011	1	5	3	555	914	AA	1994
##	39458	2011	1	6	4	600	908	AA	1994
##	39459	2011	1	7	5	556	905	AA	1994
##	39460	2011	1	8	6	558	910	AA	1994
##	39461	2011	1	9	7	558	911	AA	1994
##	39462	2011	1	10	1	605	920	AA	1994
##	39463	2011	1	11	2	553	1216	AA	1994
##	39464	2011	1	12	3	551	903	AA	1994
##	39465	2011	1	13	4	633	938	AA	1994
##	39466	2011	1	14	5	558	910	AA	1994
##	39467	2011	1	15	6	555	905	AA	1994
##	39468	2011	1	16	7	605	910	AA	1994
##	39469	2011	1	17	1	556	943	AA	1994
##	39470	2011	1	18	2	555	911	AA	1994
##	39471	2011	1	19	3	554	921	AA	1994
##	39472	2011	1	20	4	556	912	AA	1994
##	39473	2011	1	21	5	553	907	AA	1994
##	39474	2011	1	22	6	550	907	AA	1994
##	39475	2011	1	23	7	552	900	AA	1994
##	39476	2011	1	24	1	553	906	AA	1994
##	39477	2011	1	25	2	558	916	AA	1994
##	39478	2011	1	26	3	555	907	AA	1994
##	39479	2011	1	27	4	606	915	AA	1994
##	39480	2011	1	28	5	554	905	AA	1994
##	39481	2011	1	29	6	552	904	AA	1994
##	39482	2011	1	30	7	553	910	AA	1994
##	39483	2011	1	31	1	556	857	AA	1994
##	46433	2011	1	1	6	1824	2106	AS	731
##	46788	2011	1	2	7	1823	2103	AS	731
##	47191	2011	1	3	1	1827	2107	AS	731
##	47585	2011	1	4	2	1845	2132	AS	731
##	47933	2011	1	5	3	1821	2109	AS	731
##	48343	2011	1	6	4	1834	2133	AS	731
##	48672	2011	1	7	5	1823	2118	AS	731
##	49014	2011	1	8	6	1822	2112	AS	731
##	49394	2011	1	9	7	1938	2228	AS	731
##	49788	2011	1	10	1	1820	2159	AS	731

##	50174	2011	1	11	2	1820	12	AS	731
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##	52351	2011	1	17	1	1818	2149	AS	731
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##	56750	2011	1	29	6	1821	2042	AS	731
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##	57472	2011	1	31	1	1827	2111	AS	731
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##	58984	2011	1	3	1	1801	2200	B6	622
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##	59615	2011	1	4	2	1608	2034	B6	622
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##	60196	2011	1	5	3	1544	1954	B6	624
##	60734	2011	1	6	4	1532	1943	B6	624
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##	62404	2011	1	9	7	1618	2057	B6	624
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##	66785	2011	1	17	1	730	1135	B6	620
##	66786	2011	1	17	1	1531	1946	B6	624
##	67336	2011	1	18	2	659	1102	B6	620
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## 69967 2011	1	23	7	1535	1933	B6	624
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## 70542 2011	1	24	1	1532	1923	B6	624
## 71084 2011	1	25	2	658	1102	B6	620
## 71085 2011	1	25	2	1623	2029	B6	624
## 71571 2011	1	26	3	1535	1941	B6	624
## 72078 2011	1	27	4	NA	NA	B6	624
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## 72651 2011	1	28	5	1538	2013	B6	624
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## 73711 2011	1	30	7	1659	2118	B6	624
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## 74705 2011	1	31	1	1433	1629	C0	137
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## 74709 2011	1	31	1	1750	1921	C0	150
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## 74810 2011	1	31	1	1312	1413	C0	323
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## 74816 2011	1	31	1	742	1217	C0	332
## 74828 2011	1	31	1	1033	1420	C0	358
## 74836 2011	1	31	1	1432	1656	C0	370
## 74842 2011	1	31	1	1320	1420	C0	379
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##	76550	2011	1	28	5	NA	NA	C0	158
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##	76850	2011	1	28	5	1437	1539	CO	697
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## 76877 2011	1	28	5	919	1038	C0	756
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## 76897 2011	1	28	5	1709	1833	C0	795
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## 76910 2011	1	28	5	2055	2243	C0	820
## 76916 2011	1	28	5	1050	1355	C0	1006
## 76917 2011	1	28	5	1755	2245	C0	1010
## 76926 2011	1	28	5	2054	2322	C0	1046
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## 77330 2011	1	27	4	1423	1524	CO	323
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##	77679	2011	1	27	4	1908	2159	C0	1506
##	77681	2011	1	27	4	1813	1942	C0	1511
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##	78826	2011	1	25	2	1337	1714	C0	786
##	78829	2011	1	25	2	1543	1725	C0	795
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## 78933	2011	1	25	2	1909	2053	C0	1558
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## 79922 2011	1	23	7	1034	1158	C0	403
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## 80908 2011	1	21	5	1829	1924	C0	5
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## 86746 2011	1	12	3	1503	1840	CO	158
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## 86757 2011	1	12	3	1924	2240	CO	190
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## 86770 2011	1	12	3	1558	2331	CO	210
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## 87327 2011	1	11	2	838	1022	CO	52
## 87332 2011	1	11	2	1743	1935	CO	59
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## 87377 2011	1	11	2	727	918	CO	199
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## 87492	2011	1	11	2	1703	2043	C0	410
## 87495	2011	1	11	2	1748	2002	C0	421
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## 87503	2011	1	11	2	1856	2015	C0	442
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## 87705 2011	1	11	2	1457	1600	CO	1079
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## 87835	2011	1	11	2	1817	1946	CO	1689
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## 87855	2011	1	11	2	1017	1153	CO	1723
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## 87909	2011	1	11	2	1744	2004	CO	1889
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## 87930	2011	1	10	1	1542	1650	CO	33
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## 87940	2011	1	10	1	1941	2137	CO	47
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## 87971	2011	1	10	1	1443	1636	CO	137
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##	88467	2011	1	10	1	1805	1904	CO	1603
##	88468	2011	1	10	1	1158	1357	CO	1605
##	88475	2011	1	10	1	1132	1325	CO	1620
##	88476	2011	1	10	1	1421	1532	CO	1621
##	88477	2011	1	10	1	845	950	CO	1623
##	88479	2011	1	10	1	1217	1413	CO	1629
##	88480	2011	1	10	1	1747	2151	CO	1632
##	88483	2011	1	10	1	847	1009	CO	1639
##	88484	2011	1	10	1	2106	2315	CO	1644
##	88486	2011	1	10	1	1038	1304	CO	1646
##	88487	2011	1	10	1	1604	1913	CO	1648
##	88491	2011	1	10	1	1907	2207	CO	1662
##	88494	2011	1	10	1	1751	1859	CO	1674
##	88495	2011	1	10	1	1556	1956	CO	1676
##	88498	2011	1	10	1	925	1021	CO	1679
##	88503	2011	1	10	1	1556	1938	CO	1688
##	88504	2011	1	10	1	1816	1946	CO	1689
##	88505	2011	1	10	1	1038	1357	CO	1690
##	88509	2011	1	10	1	1334	1521	CO	1695
##	88514	2011	1	10	1	1751	1905	CO	1705
##	88519	2011	1	10	1	1852	2014	CO	1711
##	88521	2011	1	10	1	914	1144	CO	1714
##	88522	2011	1	10	1	2019	2147	CO	1715
##	88523	2011	1	10	1	2057	2227	CO	1717

##	88525	2011	1	10	1	1006	1142	CO	1723
##	88530	2011	1	10	1	729	1002	CO	1746
##	88531	2011	1	10	1	1904	2218	CO	1748
##	88533	2011	1	10	1	NA	NA	CO	1757
##	88538	2011	1	10	1	929	1226	CO	1767
##	88541	2011	1	10	1	1933	2351	CO	1776
##	88544	2011	1	10	1	1753	1900	CO	1779
##	88545	2011	1	10	1	919	1128	CO	1783
##	88548	2011	1	10	1	1553	1714	CO	1787
##	88550	2011	1	10	1	1326	1742	CO	1790
##	88553	2011	1	10	1	1806	1953	CO	1795
##	88562	2011	1	10	1	1438	1618	CO	1821
##	88563	2011	1	10	1	1031	1135	CO	1823
##	88566	2011	1	10	1	1927	2236	CO	1830
##	88568	2011	1	10	1	1145	1549	CO	1832
##	88569	2011	1	10	1	1230	1623	CO	1836
##	88570	2011	1	10	1	1502	1836	CO	1844
##	88574	2011	1	10	1	1253	1628	CO	1850
##	88577	2011	1	10	1	1815	2031	CO	1858
##	88580	2011	1	10	1	1312	1508	CO	1870
##	88582	2011	1	10	1	913	1227	CO	1873
##	88584	2011	1	10	1	1122	1325	CO	1882
##	88587	2011	1	10	1	1740	1956	CO	1889
##	88592	2011	1	9	7	956	1417	CO	1
##	88597	2011	1	9	7	1828	1936	CO	5
##	88598	2011	1	9	7	1634	1737	CO	6
##	88608	2011	1	9	7	1528	1630	CO	33
##	88610	2011	1	9	7	1530	1628	CO	35
##	88616	2011	1	9	7	2012	2208	CO	47
##	88619	2011	1	9	7	744	938	CO	52
##	88624	2011	1	9	7	1814	1953	CO	59
##	88625	2011	1	9	7	1211	1622	CO	60
##	88627	2011	1	9	7	1451	1901	CO	62
##	88631	2011	1	9	7	601	1004	CO	89
##	88635	2011	1	9	7	1129	1534	CO	106
##	88640	2011	1	9	7	730	828	CO	128
##	88644	2011	1	9	7	1444	1633	CO	137
##	88646	2011	1	9	7	1318	1532	CO	146
##	88649	2011	1	9	7	2100	2246	CO	150
##	88652	2011	1	9	7	1459	1841	CO	158
##	88657	2011	1	9	7	909	1128	CO	170
##	88668	2011	1	9	7	2000	2313	CO	190
##	88673	2011	1	9	7	1222	1334	CO	197
##	88675	2011	1	9	7	558	715	CO	199
##	88678	2011	1	9	7	1305	1601	CO	206
##	88680	2011	1	9	7	2220	47	CO	209
##	88681	2011	1	9	7	1606	2020	CO	210
##	88683	2011	1	9	7	1115	1710	CO	212
##	88688	2011	1	9	7	923	1115	CO	220
##	88693	2011	1	9	7	1039	1433	CO	226
##	88697	2011	1	9	7	920	1344	CO	232
##	88704	2011	1	9	7	1302	1404	CO	241
##	88706	2011	1	9	7	1545	1934	CO	244
##	88709	2011	1	9	7	1912	2234	CO	250

## 88718 2011	1	9	7	1238	1509	C0	267
## 88721 2011	1	9	7	1142	1400	C0	270
## 88722 2011	1	9	7	1615	1754	C0	275
## 88723 2011	1	9	7	1153	1252	C0	279
## 88728 2011	1	9	7	1103	1221	C0	297
## 88729 2011	1	9	7	2054	2218	C0	299
## 88733 2011	1	9	7	904	1120	C0	309
## 88734 2011	1	9	7	1946	5	C0	310
## 88739 2011	1	9	7	1434	1628	C0	320
## 88741 2011	1	9	7	1328	1433	C0	323
## 88743 2011	1	9	7	1257	1631	C0	326
## 88754 2011	1	9	7	1138	1401	C0	352
## 88757 2011	1	9	7	1048	1427	C0	358
## 88764 2011	1	9	7	1436	1711	C0	370
## 88769 2011	1	9	7	1323	1424	C0	379
## 88771 2011	1	9	7	1103	1530	C0	382
## 88777 2011	1	9	7	1803	1935	C0	397
## 88779 2011	1	9	7	1321	1618	C0	400
## 88781 2011	1	9	7	1031	1157	C0	403
## 88782 2011	1	9	7	735	1104	C0	404
## 88784 2011	1	9	7	1218	1554	C0	406
## 88786 2011	1	9	7	741	1144	C0	408
## 88788 2011	1	9	7	1850	2241	C0	410
## 88790 2011	1	9	7	1755	2016	C0	421
## 88792 2011	1	9	7	1935	2119	C0	423
## 88793 2011	1	9	7	1923	2326	C0	426
## 88796 2011	1	9	7	1050	1502	C0	432
## 88800 2011	1	9	7	1911	2042	C0	442
## 88801 2011	1	9	7	1945	2218	C0	444
## 88807 2011	1	9	7	1305	1643	C0	458
## 88811 2011	1	9	7	2312	136	C0	467
## 88817 2011	1	9	7	1933	2045	C0	479
## 88820 2011	1	9	7	1356	1808	C0	482
## 88825 2011	1	9	7	909	1020	C0	497
## 88827 2011	1	9	7	1205	1330	C0	499
## 88828 2011	1	9	7	1921	2250	C0	500
## 88832 2011	1	9	7	907	1325	C0	510
## 88833 2011	1	9	7	2127	2241	C0	511
## 88836 2011	1	9	7	1935	2151	C0	520
## 88842 2011	1	9	7	1330	1737	C0	532
## 88843 2011	1	9	7	1314	1635	C0	534
## 88847 2011	1	9	7	1011	1208	C0	542
## 88848 2011	1	9	7	742	1122	C0	544
## 88849 2011	1	9	7	1150	1404	C0	546
## 88858 2011	1	9	7	1618	2011	C0	558
## 88863 2011	1	9	7	1809	2054	C0	570
## 88869 2011	1	9	7	1916	2345	C0	582
## 88870 2011	1	9	7	743	1045	C0	586
## 88876 2011	1	9	7	2132	2313	C0	597
## 88878 2011	1	9	7	1438	1600	C0	599
## 88880 2011	1	9	7	1310	1433	C0	601
## 88882 2011	1	9	7	1612	1912	C0	606
## 88885 2011	1	9	7	1932	2235	C0	616
## 88889 2011	1	9	7	1531	1635	C0	623

##	88893	2011	1	9	7	1603	2018	CO	632
##	88896	2011	1	9	7	2019	2349	CO	644
##	88900	2011	1	9	7	1919	2309	CO	658
##	88903	2011	1	9	7	1126	1302	CO	663
##	88904	2011	1	9	7	1744	2021	CO	667
##	88907	2011	1	9	7	1938	2228	CO	670
##	88912	2011	1	9	7	1625	2059	CO	682
##	88915	2011	1	9	7	1041	1352	CO	686
##	88920	2011	1	9	7	1444	1616	CO	697
##	88924	2011	1	9	7	1811	2101	CO	709
##	88927	2011	1	9	7	1149	1245	CO	723
##	88934	2011	1	9	7	1949	13	CO	732
##	88937	2011	1	9	7	1248	1410	CO	738
##	88938	2011	1	9	7	908	1026	CO	739
##	88939	2011	1	9	7	1154	1248	CO	741
##	88940	2011	1	9	7	1307	1624	CO	744
##	88941	2011	1	9	7	1446	1700	CO	746
##	88942	2011	1	9	7	2201	9	CO	752
##	88944	2011	1	9	7	NA	NA	CO	755
##	88945	2011	1	9	7	918	1055	CO	756
##	88949	2011	1	9	7	1658	2045	CO	763
##	88950	2011	1	9	7	1509	1746	CO	767
##	88953	2011	1	9	7	2110	2353	CO	770
##	88954	2011	1	9	7	727	943	CO	771
##	88959	2011	1	9	7	1349	1656	CO	786
##	88961	2011	1	9	7	1108	1439	CO	788
##	88964	2011	1	9	7	1558	1757	CO	795
##	88967	2011	1	9	7	852	1014	CO	799
##	88970	2011	1	9	7	1321	1758	CO	810
##	88974	2011	1	9	7	2114	2319	CO	820
##	88981	2011	1	9	7	1100	1400	CO	1006
##	88982	2011	1	9	7	1804	2211	CO	1010
##	88990	2011	1	9	7	2109	2319	CO	1046
##	88991	2011	1	9	7	723	1031	CO	1048
##	88995	2011	1	9	7	852	1233	CO	1058
##	88998	2011	1	9	7	1606	1852	CO	1070
##	89001	2011	1	9	7	1522	1623	CO	1079
##	89003	2011	1	9	7	1654	2000	CO	1086
##	89005	2011	1	9	7	1310	1644	CO	1088
##	89007	2011	1	9	7	2110	2306	CO	1095
##	89008	2011	1	9	7	731	830	CO	1097
##	89010	2011	1	9	7	1924	2112	CO	1099
##	89019	2011	1	9	7	1921	2015	CO	1411
##	89022	2011	1	9	7	927	1142	CO	1416
##	89023	2011	1	9	7	1927	2311	CO	1417
##	89027	2011	1	9	7	2113	2217	CO	1423
##	89034	2011	1	9	7	1047	1404	CO	1448
##	89038	2011	1	9	7	2100	2255	CO	1459
##	89046	2011	1	9	7	1047	1443	CO	1476
##	89048	2011	1	9	7	2106	2202	CO	1479
##	TailNum	ActualElapsedTime	AirTime	ArrDelay	DepDelay	Origin	Dest	Distance	
##	5424	N576AA	60	40	-10	0	IAH	DFW	224
##	5425	N557AA	60	45	-9	1	IAH	DFW	224
##	5426	N541AA	70	48	-8	-8	IAH	DFW	224

## 5427	N403AA	70	39	3	3	IAH	DFW	224
## 5428	N492AA	62	44	-3	5	IAH	DFW	224
## 5429	N262AA	64	45	-7	-1	IAH	DFW	224
## 5430	N493AA	70	43	-1	-1	IAH	DFW	224
## 5431	N477AA	59	40	-16	-5	IAH	DFW	224
## 5432	N476AA	71	41	44	43	IAH	DFW	224
## 5433	N504AA	70	45	43	43	IAH	DFW	224
## 5434	N565AA	70	42	29	29	IAH	DFW	224
## 5435	N577AA	56	41	5	19	IAH	DFW	224
## 5436	N476AA	63	44	-9	-2	IAH	DFW	224
## 5437	N552AA	67	47	-6	-3	IAH	DFW	224
## 5438	N462AA	60	44	-11	-1	IAH	DFW	224
## 5439	N555AA	70	41	-1	-1	IAH	DFW	224
## 5440	N518AA	64	48	84	90	IAH	DFW	224
## 5441	N507AA	60	42	-2	8	IAH	DFW	224
## 5442	N523AA	67	46	-7	-4	IAH	DFW	224
## 5443	N425AA	75	42	72	67	IAH	DFW	224
## 5444	N251AA	62	47	-11	-3	IAH	DFW	224
## 5445	N551AA	61	44	-14	-5	IAH	DFW	224
## 5446	N479AA	65	40	-9	-4	IAH	DFW	224
## 5447	N531AA	77	43	3	-4	IAH	DFW	224
## 5448	N561AA	60	40	-18	-8	IAH	DFW	224
## 5449	N541AA	62	40	-15	-7	IAH	DFW	224
## 5450	N512AA	62	40	-12	-4	IAH	DFW	224
## 5451	N4UBAA	66	46	-5	-1	IAH	DFW	224
## 5452	N491AA	60	46	-15	-5	IAH	DFW	224
## 5453	N561AA	57	39	-14	-1	IAH	DFW	224
## 5454	N505AA	72	39	43	41	IAH	DFW	224
## 6343	N520AA	72	41	5	8	IAH	DFW	224
## 6344	N537AA	62	43	-14	-1	IAH	DFW	224
## 6345	N512AA	77	46	-1	-3	IAH	DFW	224
## 6346	N478AA	67	46	-14	-6	IAH	DFW	224
## 6347	N551AA	64	44	-13	-2	IAH	DFW	224
## 6348	N251AA	62	44	-14	-1	IAH	DFW	224
## 6349	N478AA	76	42	-8	-9	IAH	DFW	224
## 6350	N550AA	52	40	-30	-7	IAH	DFW	224
## 6351	N586AA	75	51	-6	-6	IAH	DFW	224
## 6352	N587AA	63	44	-17	-5	IAH	DFW	224
## 6353	N574AA	63	44	-15	-3	IAH	DFW	224
## 6354	N580AA	60	42	-21	-6	IAH	DFW	224
## 6355	N586AA	79	49	6	2	IAH	DFW	224
## 6356	N468AA	73	47	-7	-5	IAH	DFW	224
## 6357	N251AA	74	49	-2	-1	IAH	DFW	224
## 6358	N546AA	60	45	8	23	IAH	DFW	224
## 6359	N559AA	78	54	7	4	IAH	DFW	224
## 6360	N558AA	66	46	-8	1	IAH	DFW	224
## 6361	N574AA	79	51	-2	-6	IAH	DFW	224
## 6362	N471AA	63	44	-13	-1	IAH	DFW	224
## 6363	N278AA	59	40	-24	-8	IAH	DFW	224
## 6364	N499AA	72	47	-6	-3	IAH	DFW	224
## 6365	N556AA	64	42	-21	-10	IAH	DFW	224
## 6366	N545AA	93	42	29	11	IAH	DFW	224
## 6367	N541AA	59	40	-17	-1	IAH	DFW	224
## 6368	N512AA	68	44	-11	-4	IAH	DFW	224

## 6369	N4UCAA	70	44	-10	-5	IAH	DFW	224
## 6370	N403AA	65	44	11	21	IAH	DFW	224
## 6371	N557AA	65	43	-10	0	IAH	DFW	224
## 6372	N498AA	64	44	-15	-4	IAH	DFW	224
## 6373	N493AA	58	40	-19	-2	IAH	DFW	224
## 8186	N461AA	67	44	-14	-6	IAH	DFW	224
## 8187	N4XGAA	69	48	-13	-7	IAH	DFW	224
## 8188	N4XGAA	67	42	47	55	IAH	DFW	224
## 8189	N546AA	68	44	-14	-7	IAH	DFW	224
## 8190	N485AA	68	41	-17	-10	IAH	DFW	224
## 8191	N555AA	57	44	-25	-7	IAH	DFW	224
## 8192	N4WYAA	70	44	35	40	IAH	DFW	224
## 8193	N577AA	64	43	13	24	IAH	DFW	224
## 8194	N505AA	58	44	-29	-12	IAH	DFW	224
## 8195	N555AA	58	39	-7	10	IAH	DFW	224
## 8196	N4XCAA	56	44	-4	15	IAH	DFW	224
## 8197	N549AA	70	45	69	74	IAH	DFW	224
## 8198	N478AA	83	42	-1	-9	IAH	DFW	224
## 8199	N492AA	61	44	11	25	IAH	DFW	224
## 8200	N514AA	69	44	-14	-8	IAH	DFW	224
## 8201	N550AA	54	44	3	24	IAH	DFW	224
## 8202	N512AA	77	45	1	-1	IAH	DFW	224
## 8203	N505AA	58	45	14	31	IAH	DFW	224
## 8204	N530AA	56	39	-23	-4	IAH	DFW	224
## 8205	N4XJAA	56	41	19	38	IAH	DFW	224
## 8206	N585AA	63	44	-13	-1	IAH	DFW	224
## 8207	N403AA	54	39	-17	4	IAH	DFW	224
## 8208	N506AA	51	40	10	34	IAH	DFW	224
## 8209	N466AA	61	42	-20	-6	IAH	DFW	224
## 8210	N455AA	93	43	12	-6	IAH	DFW	224
## 8211	N477AA	71	38	-15	-11	IAH	DFW	224
## 19266	N4WVAA	65	37	-9	1	IAH	DFW	224
## 19267	N579AA	83	46	14	6	IAH	DFW	224
## 19268	N468AA	75	47	-7	-7	IAH	DFW	224
## 19269	N4WYAA	63	43	-13	-1	IAH	DFW	224
## 19270	N481AA	71	43	-5	-1	IAH	DFW	224
## 19271	N498AA	67	43	-13	-5	IAH	DFW	224
## 19272	N525AA	63	43	-12	0	IAH	DFW	224
## 19273	N583AA	69	45	-9	-3	IAH	DFW	224
## 19274	N574AA	76	50	126	125	IAH	DFW	224
## 19275	N531AA	61	41	-5	9	IAH	DFW	224
## 19276	N586AA	63	41	70	82	IAH	DFW	224
## 19277	N468AA	68	44	-6	1	IAH	DFW	224
## 19278	N583AA	63	45	-12	0	IAH	DFW	224
## 19279	N551AA	65	47	-11	-1	IAH	DFW	224
## 19280	N274AA	64	48	-9	2	IAH	DFW	224
## 19281	N558AA	71	42	34	38	IAH	DFW	224
## 19282	N580AA	72	51	-1	2	IAH	DFW	224
## 19283	N515AA	75	45	-5	-5	IAH	DFW	224
## 19284	N538AA	62	46	-14	-1	IAH	DFW	224
## 19285	N586AA	71	41	7	11	IAH	DFW	224
## 19286	N558AA	68	47	1	8	IAH	DFW	224
## 19287	N504AA	79	47	-3	-7	IAH	DFW	224
## 19288	N489AA	76	44	-7	-8	IAH	DFW	224

##	19289	N484AA	88	43	4	-9	IAH	DFW	224
##	19290	N4UCAA	66	41	-12	-3	IAH	DFW	224
##	19291	N556AA	71	41	0	4	IAH	DFW	224
##	19292	N557AA	66	43	-5	4	IAH	DFW	224
##	19293	N553AA	65	44	-15	-5	IAH	DFW	224
##	19294	N584AA	61	47	-14	0	IAH	DFW	224
##	19295	N403AA	58	39	-12	5	IAH	DFW	224
##	19296	N455AA	62	41	13	26	IAH	DFW	224
##	23655	N3DGAA	136	113	-3	1	IAH	MIA	964
##	23656	N3CCAA	129	112	17	28	IAH	MIA	964
##	23657	N3ARAA	131	112	-9	0	IAH	MIA	964
##	23658	N3DFAA	145	108	7	2	IAH	MIA	964
##	23659	N3BDAA	129	107	-15	-4	IAH	MIA	964
##	23660	N3CMAA	154	106	5	-9	IAH	MIA	964
##	23661	N3CYAA	131	107	-7	2	IAH	MIA	964
##	23662	N3AXAA	131	107	-15	-6	IAH	MIA	964
##	23663	N3AUAA	133	110	8	15	IAH	MIA	964
##	23664	N3BXAA	121	107	80	99	IAH	MIA	964
##	23665	N3CWAA	128	111	41	53	IAH	MIA	964
##	23666	N3DFAA	134	117	-13	-7	IAH	MIA	964
##	23667	N3DLAA	159	110	12	-7	IAH	MIA	964
##	23668	N3CUAA	127	110	-14	-1	IAH	MIA	964
##	23669	N3AXAA	130	111	-16	-6	IAH	MIA	964
##	23670	N3CXAA	150	113	22	12	IAH	MIA	964
##	23671	N3CEAA	138	117	6	8	IAH	MIA	964
##	23672	N3BLAA	135	114	39	44	IAH	MIA	964
##	23673	N3CWAA	132	110	-12	-4	IAH	MIA	964
##	23674	N3CWAA	144	111	-1	-5	IAH	MIA	964
##	23675	N3BCAA	135	110	18	23	IAH	MIA	964
##	23676	N3BYAA	125	109	-20	-5	IAH	MIA	964
##	23677	N3DCAA	140	107	-2	-2	IAH	MIA	964
##	23678	N3GJAA	138	113	31	33	IAH	MIA	964
##	23679	N3BFAA	148	129	3	-5	IAH	MIA	964
##	23680	N3BXAA	126	111	56	70	IAH	MIA	964
##	23681	N3CFAA	137	106	14	17	IAH	MIA	964
##	23682	N3BLAA	138	108	-7	-5	IAH	MIA	964
##	23683	N3BXAA	129	105	-13	-2	IAH	MIA	964
##	23684	N3CPAA	133	108	54	61	IAH	MIA	964
##	23685	N3DJAA	124	104	-14	2	IAH	MIA	964
##	27063	N480AA	66	44	-12	-3	IAH	DFW	224
##	27064	N497AA	60	43	5	20	IAH	DFW	224
##	27065	N548AA	63	40	-6	6	IAH	DFW	224
##	27066	N4WUAA	68	42	-10	-3	IAH	DFW	224
##	27067	N531AA	68	40	-13	-6	IAH	DFW	224
##	27068	N591AA	92	45	48	31	IAH	DFW	224
##	27069	N425AA	64	42	-20	-9	IAH	DFW	224
##	27070	N499AA	60	41	-16	-1	IAH	DFW	224
##	27071	N251AA	75	45	-3	-3	IAH	DFW	224
##	27072	N552AA	69	45	-13	-7	IAH	DFW	224
##	27073	N545AA	70	49	15	20	IAH	DFW	224
##	27074	N262AA	67	42	5	13	IAH	DFW	224
##	27075	N474AA	72	45	3	6	IAH	DFW	224
##	27076	N4XJAA	71	42	-7	-3	IAH	DFW	224
##	27077	N538AA	79	50	12	8	IAH	DFW	224

##	27078	N567AA	65	42	-8	2	IAH	DFW	224
##	27079	N485AA	66	38	-18	-9	IAH	DFW	224
##	27080	N486AA	68	44	-7	0	IAH	DFW	224
##	27081	N499AA	63	46	-14	-2	IAH	DFW	224
##	27082	N425AA	65	44	-13	-3	IAH	DFW	224
##	27083	N517AA	73	44	29	31	IAH	DFW	224
##	33051	N3DAAA	155	117	7	-8	IAH	MIA	964
##	33052	N3ASAA	133	112	-19	-12	IAH	MIA	964
##	33053	N3CBAA	125	111	-17	-2	IAH	MIA	964
##	33054	N3BAAA	127	109	-7	6	IAH	MIA	964
##	33055	N3CDAA	130	108	-9	1	IAH	MIA	964
##	33056	N3CUAA	122	105	-18	0	IAH	MIA	964
##	33057	N3BCAA	126	107	-24	-10	IAH	MIA	964
##	33058	N3AHAA	125	106	-16	-1	IAH	MIA	964
##	33059	N3CPAA	129	110	-2	9	IAH	MIA	964
##	33060	N3AKAA	156	132	34	18	IAH	MIA	964
##	33061	N3ALAA	140	115	74	74	IAH	MIA	964
##	33062	N3BJAA	128	113	-13	-1	IAH	MIA	964
##	33063	N3BCAA	128	108	-14	-2	IAH	MIA	964
##	33064	N3AUAA	123	110	-13	4	IAH	MIA	964
##	33065	N3DEAA	138	114	0	2	IAH	MIA	964
##	33066	N3BJAA	131	118	-8	1	IAH	MIA	964
##	33067	N3BUAA	133	113	-8	-1	IAH	MIA	964
##	33068	N3ARAA	135	118	-8	-3	IAH	MIA	964
##	33069	N3BXAA	135	114	-9	-4	IAH	MIA	964
##	33070	N3CKAA	130	107	-15	-5	IAH	MIA	964
##	33071	N3APAA	128	110	-15	-3	IAH	MIA	964
##	33072	N3CPAA	139	112	5	6	IAH	MIA	964
##	33073	N3CNAA	135	108	-13	-8	IAH	MIA	964
##	33074	N3BGAA	NA	NA	NA	NA	IAH	MIA	964
##	33075	N3BFAA	134	112	14	20	IAH	MIA	964
##	33076	N3BLAA	134	110	-11	-5	IAH	MIA	964
##	33077	N3AJAA	138	108	-5	-3	IAH	MIA	964
##	33078	N3DDAA	118	104	-22	0	IAH	MIA	964
##	33079	N3FYAA	131	108	-14	-5	IAH	MIA	964
##	33080	N3DCAA	125	106	-16	-1	IAH	MIA	964
##	33081	N3FRAA	143	100	-4	-7	IAH	MIA	964
##	35256	N593AA	74	39	15	6	IAH	DFW	224
##	35257	N589AA	63	47	-7	-5	IAH	DFW	224
##	35258	N4XPAA	64	46	-2	-1	IAH	DFW	224
##	35259	N565AA	73	41	9	1	IAH	DFW	224
##	35260	N560AA	66	44	1	0	IAH	DFW	224
##	35261	N563AA	66	41	0	-1	IAH	DFW	224
##	35262	N4YRAA	72	43	6	-1	IAH	DFW	224
##	35263	N4YTAA	66	39	-2	-3	IAH	DFW	224
##	35264	N4XCAA	NA	NA	NA	NA	IAH	DFW	224
##	35265	N598AA	72	43	19	12	IAH	DFW	224
##	35266	N563AA	65	42	0	0	IAH	DFW	224
##	35267	N593AA	59	41	-5	1	IAH	DFW	224
##	35268	N4WAAA	66	46	1	0	IAH	DFW	224
##	35269	N566AA	70	49	5	0	IAH	DFW	224
##	35270	N476AA	67	52	19	17	IAH	DFW	224
##	35271	N599AA	61	42	-4	0	IAH	DFW	224
##	35272	N4WXAA	77	49	12	0	IAH	DFW	224

##	35273	N4WRAA	59	43	24	30	IAH	DFW	224
##	35274	N4YDAA	67	44	1	-1	IAH	DFW	224
##	35275	N202AA	70	44	14	9	IAH	DFW	224
##	35276	N433AA	66	44	2	1	IAH	DFW	224
##	35277	N546AA	72	50	2	-5	IAH	DFW	224
##	35278	N436AA	51	39	-2	12	IAH	DFW	224
##	35279	N434AA	66	43	8	7	IAH	DFW	224
##	35280	N4WDAA	60	40	-11	-6	IAH	DFW	224
##	35281	N594AA	75	46	4	-6	IAH	DFW	224
##	35282	N569AA	72	43	1	-6	IAH	DFW	224
##	35283	N435AA	63	47	48	50	IAH	DFW	224
##	35284	N592AA	66	44	-8	-9	IAH	DFW	224
##	35285	N589AA	80	41	9	-6	IAH	DFW	224
##	35286	N511AA	72	42	7	0	IAH	DFW	224
##	35375	N569AA	71	45	-7	-3	IAH	DFW	224
##	35376	N4YUAA	68	43	-15	-8	IAH	DFW	224
##	35377	N568AA	72	41	25	28	IAH	DFW	224
##	35378	N4YAAA	62	41	-18	-5	IAH	DFW	224
##	35379	N568AA	69	44	-13	-7	IAH	DFW	224
##	35380	N459AA	71	47	16	20	IAH	DFW	224
##	35381	N4YDAA	80	45	-2	-7	IAH	DFW	224
##	35382	N599AA	77	44	-5	-7	IAH	DFW	224
##	35383	N588AA	69	46	-12	-6	IAH	DFW	224
##	39453	N3BBAA	129	113	-9	-3	IAH	MIA	964
##	39454	N3DCAA	138	115	-3	-6	IAH	MIA	964
##	39455	N3CMAA	130	111	-10	-5	IAH	MIA	964
##	39456	N3CWAA	145	115	8	-2	IAH	MIA	964
##	39457	N3DFAA	139	111	-1	-5	IAH	MIA	964
##	39458	N3AJAA	128	107	-7	0	IAH	MIA	964
##	39459	N3DDAA	129	108	-10	-4	IAH	MIA	964
##	39460	N3DAAA	132	105	-5	-2	IAH	MIA	964
##	39461	N3CYAA	133	111	-4	-2	IAH	MIA	964
##	39462	N3AUAA	135	111	5	5	IAH	MIA	964
##	39463	N3DLAA	NA	NA	NA	-7	IAH	MIA	964
##	39464	N3BDAA	132	112	-12	-9	IAH	MIA	964
##	39465	N3AGAA	125	109	23	33	IAH	MIA	964
##	39466	N3DLAA	132	112	-5	-2	IAH	MIA	964
##	39467	N3DJAA	130	114	-10	-5	IAH	MIA	964
##	39468	N3AHAA	125	112	-5	5	IAH	MIA	964
##	39469	N3AXAA	167	143	28	-4	IAH	MIA	964
##	39470	N3DFAA	136	112	-4	-5	IAH	MIA	964
##	39471	N3BVAA	147	124	6	-6	IAH	MIA	964
##	39472	N3FTAA	136	110	-3	-4	IAH	MIA	964
##	39473	N3CJAA	134	114	-8	-7	IAH	MIA	964
##	39474	N3BFAA	137	118	-8	-10	IAH	MIA	964
##	39475	N3BCAA	128	110	-15	-8	IAH	MIA	964
##	39476	N3CCAA	133	111	-9	-7	IAH	MIA	964
##	39477	N3AMAA	138	111	1	-2	IAH	MIA	964
##	39478	N3DJAA	132	112	-8	-5	IAH	MIA	964
##	39479	N3DEAA	129	112	0	6	IAH	MIA	964
##	39480	N3FYAA	131	111	-10	-6	IAH	MIA	964
##	39481	N3AKAA	132	107	-11	-8	IAH	MIA	964
##	39482	N3ARAA	137	111	-5	-7	IAH	MIA	964
##	39483	N3BTAA	121	106	-18	-4	IAH	MIA	964

##	46433	N614AS	282	255	-4	-1	IAH	SEA	1874
##	46788	N627AS	280	257	-7	-2	IAH	SEA	1874
##	47191	N627AS	280	260	-3	2	IAH	SEA	1874
##	47585	N618AS	287	268	22	20	IAH	SEA	1874
##	47933	N607AS	288	273	-1	-4	IAH	SEA	1874
##	48343	N624AS	299	278	23	9	IAH	SEA	1874
##	48672	N611AS	295	274	8	-2	IAH	SEA	1874
##	49014	N607AS	290	269	2	-3	IAH	SEA	1874
##	49394	N609AS	290	253	78	73	IAH	SEA	1874
##	49788	N626AS	339	315	49	-5	IAH	SEA	1874
##	50174	N626AS	NA	NA	NA	-5	IAH	SEA	1874
##	50499	N619AS	307	284	19	-3	IAH	SEA	1874
##	50905	N627AS	293	273	3	-5	IAH	SEA	1874
##	51270	N627AS	296	270	4	-7	IAH	SEA	1874
##	51599	N627AS	309	287	21	-3	IAH	SEA	1874
##	51976	N627AS	316	291	28	-3	IAH	SEA	1874
##	52351	N612AS	331	310	39	-7	IAH	SEA	1874
##	52723	N617AS	294	276	20	11	IAH	SEA	1874
##	53076	N622AS	282	265	-8	-5	IAH	SEA	1874
##	53497	N622AS	313	284	25	-3	IAH	SEA	1874
##	53832	N622AS	309	288	26	2	IAH	SEA	1874
##	54167	N644AS	284	269	-10	-9	IAH	SEA	1874
##	54534	N624AS	286	269	-6	-7	IAH	SEA	1874
##	54947	N644AS	285	251	-1	-1	IAH	SEA	1874
##	55324	N607AS	275	255	-9	1	IAH	SEA	1874
##	55688	N607AS	285	255	5	5	IAH	SEA	1874
##	56057	N627AS	278	262	0	7	IAH	SEA	1874
##	56410	N627AS	271	256	-18	-4	IAH	SEA	1874
##	56750	N627AS	261	246	-28	-4	IAH	SEA	1874
##	57125	N627AS	307	264	18	-4	IAH	SEA	1874
##	57472	N607AS	284	259	1	2	IAH	SEA	1874
##	57719	N324JB	210	181	5	-6	HOU	JFK	1428
##	57720	N324JB	211	188	61	54	HOU	JFK	1428
##	58343	N324JB	190	172	-6	3	HOU	JFK	1428
##	58344	N324JB	216	176	31	19	HOU	JFK	1428
##	58983	N229JB	181	166	-19	-1	HOU	JFK	1428
##	58984	N206JB	179	165	111	136	HOU	JFK	1428
##	59614	N267JB	189	168	-16	-6	HOU	JFK	1428
##	59615	N267JB	206	175	25	23	HOU	JFK	1428
##	60195	N708JB	183	167	-14	0	HOU	JFK	1428
##	60196	N644JB	190	166	-6	9	HOU	JFK	1428
##	60734	N641JB	191	175	-17	-3	HOU	JFK	1428
##	61317	N641JB	203	172	0	-6	HOU	JFK	1428
##	61318	N564JB	194	175	-4	7	HOU	JFK	1428
##	61875	N630JB	184	162	-19	-6	HOU	JFK	1428
##	62403	N599JB	186	163	-18	-7	HOU	JFK	1428
##	62404	N625JB	219	196	57	43	HOU	JFK	1428
##	62989	N625JB	186	166	-15	-4	HOU	JFK	1428
##	62990	N504JB	187	170	1	19	HOU	JFK	1428
##	63545	N504JB	180	161	-24	-7	HOU	JFK	1428
##	63546	N537JB	NA	NA	NA	NA	HOU	JFK	1428
##	64043	N504JB	201	177	-7	-3	HOU	JFK	1428
##	64557	N597JB	196	178	-22	-13	HOU	JFK	1428
##	65133	N597JB	201	185	72	68	HOU	JFK	1428

## 65134	N729JB	221	189	15	-1	HOU	JFK	1428
## 65685	N503JB	194	173	-3	0	HOU	JFK	1428
## 66204	N706JB	183	166	-22	-8	HOU	JFK	1428
## 66205	N565JB	193	176	4	16	HOU	JFK	1428
## 66785	N523JB	185	168	18	30	HOU	JFK	1428
## 66786	N779JB	195	173	-14	-4	HOU	JFK	1428
## 67336	N779JB	183	162	-15	-1	HOU	JFK	1428
## 67337	N729JB	189	164	56	72	HOU	JFK	1428
## 67826	N504JB	NA	NA	NA	NA	HOU	JFK	1428
## 68334	N760JB	194	161	-8	3	HOU	JFK	1428
## 68906	N760JB	188	164	-13	-4	HOU	JFK	1428
## 68907	N598JB	190	173	95	110	HOU	JFK	1428
## 69454	N527JB	185	161	-11	1	HOU	JFK	1428
## 69966	N580JB	180	162	-19	-2	HOU	JFK	1428
## 69967	N599JB	178	164	-27	0	HOU	JFK	1428
## 70541	N605JB	172	156	-18	7	HOU	JFK	1428
## 70542	N536JB	171	156	-37	-3	HOU	JFK	1428
## 71084	N589JB	184	162	-15	-2	HOU	JFK	1428
## 71085	N621JB	186	167	29	48	HOU	JFK	1428
## 71571	N659JB	186	165	-19	0	HOU	JFK	1428
## 72078	N569JB	NA	NA	NA	NA	HOU	JFK	1428
## 72650	N594JB	192	172	-10	-5	HOU	JFK	1428
## 72651	N655JB	215	196	13	3	HOU	JFK	1428
## 73198	N508JB	211	180	11	-3	HOU	JFK	1428
## 73710	N606JB	195	175	-11	-9	HOU	JFK	1428
## 73711	N606JB	199	176	78	84	HOU	JFK	1428
## 74284	N661JB	192	172	-6	-1	HOU	JFK	1428
## 74285	N629JB	190	169	-18	-3	HOU	JFK	1428
## 74650	N69063	529	492	23	-1	IAH	HNL	3904
## 74655	N17245	60	42	-9	0	IAH	MSY	305
## 74656	N77520	56	40	-5	-1	IAH	SAT	191
## 74665	N16647	70	42	-2	-3	IAH	MSY	305
## 74667	N35204	59	32	7	1	IAH	AUS	140
## 74675	N76522	227	199	2	6	IAH	LAX	1379
## 74678	N67134	229	201	5	2	IAH	LAX	1379
## 74683	N57870	144	116	15	28	IAH	DEN	862
## 74684	N68159	205	165	-2	1	IAH	EWR	1400
## 74686	N17126	203	163	-9	0	IAH	EWR	1400
## 74691	N76529	195	175	2	7	IAH	EWR	1400
## 74695	N66051	188	162	-26	-4	IAH	EWR	1400
## 74701	N75436	88	49	18	-2	IAH	MSY	305
## 74705	N73283	236	199	14	5	IAH	LAX	1379
## 74706	N57862	145	114	64	77	IAH	ORD	925
## 74709	N34282	211	189	6	15	IAH	ONT	1334
## 74712	N13750	180	142	7	-3	IAH	DCA	1208
## 74717	N35407	241	225	-27	1	IAH	SFO	1635
## 74724	N35260	132	107	-12	-1	IAH	MIA	964
## 74729	N75853	209	172	3	0	IAH	LAS	1222
## 74731	N14228	169	128	8	1	IAH	DEN	862
## 74736	N39418	115	91	-10	-1	IAH	TPA	787
## 74739	N24715	268	256	-15	-7	IAH	PDX	1825
## 74740	N37408	198	166	-15	1	IAH	EWR	1400
## 74742	N53441	237	215	-4	9	IAH	SJU	2007
## 74748	N33132	206	161	32	7	IAH	PHX	1009

##	74754	N19621	181	161	2	0	IAH	BWI	1235
##	74758	N33266	200	165	-15	-4	IAH	LGA	1416
##	74765	N14629	55	27	-2	-4	IAH	AUS	140
##	74767	N37274	144	121	-16	9	IAH	CLE	1091
##	74770	N59630	141	121	-18	0	IAH	RDU	1043
##	74777	N77520	173	145	-1	-3	IAH	DCA	1208
##	74781	N45440	286	263	7	5	IAH	SEA	1874
##	74784	N37420	262	228	1	4	IAH	SFO	1635
##	74785	N14242	146	122	16	25	IAH	DEN	862
##	74788	N37274	70	45	4	0	IAH	SAT	191
##	74789	N79279	225	195	4	0	IAH	BOS	1597
##	74796	N27421	215	190	13	11	IAH	LAS	1222
##	74798	N17244	134	119	-10	8	IAH	DEN	862
##	74803	N33294	283	254	8	4	IAH	PDX	1825
##	74804	N77867	193	164	33	49	IAH	EWR	1400
##	74808	N39416	192	159	12	1	IAH	PHX	1009
##	74810	N36207	61	44	-10	-3	IAH	MSY	305
##	74812	N38257	160	143	-16	-2	IAH	BWI	1235
##	74816	N73276	215	177	4	-3	IAH	LGA	1416
##	74828	N39728	167	146	-5	-2	IAH	DCA	1208
##	74836	N27213	264	229	5	7	IAH	SFO	1635
##	74842	N19638	60	39	-2	0	IAH	SAT	191
##	74844	N36272	219	188	-5	-3	IAH	BOS	1597
##	74850	N33286	200	182	20	28	IAH	LAS	1222
##	74852	N39415	147	109	6	1	IAH	IND	845
##	74854	N35271	212	194	-1	1	IAH	SAN	1303
##	74855	N78501	172	146	-5	-5	IAH	IAD	1190
##	74857	N73270	179	143	3	-4	IAH	IAD	1190
##	74859	N66056	207	170	1	-1	IAH	EWR	1400
##	74861	N73299	155	138	-19	-2	IAH	IAD	1190
##	74864	N37298	247	231	80	91	IAH	SJC	1609
##	74866	N33266	62	41	-8	-1	IAH	MSY	305
##	74867	N78506	165	143	-12	-1	IAH	BWI	1235
##	74870	N16713	198	169	1	4	IAH	LGA	1416
##	74874		NA	NA	NA	NA	IAH	TUL	429
##	74875	N76514	157	117	3	5	IAH	ORD	925
##	74877	N26208	144	117	-16	-6	IAH	ORD	925
##	74882	N17233	168	149	-7	-5	IAH	DCA	1208
##	74886	N78285	296	276	58	42	IAH	SEA	1874
##	74892	N16217	60	43	-8	-2	IAH	SAT	191
##	74895	N78509	221	190	-3	0	IAH	BOS	1597
##	74900	N74856	230	187	23	1	IAH	LAS	1222
##	74902	N37267	159	127	2	-2	IAH	DEN	862
##	74903		NA	NA	NA	NA	IAH	IND	845
##	74909	N38268	207	183	2	0	IAH	EWR	1400
##	74910	N77520	81	60	5	1	IAH	MFE	316
##	74916	N75432	181	161	-2	-2	IAH	PHX	1009
##	74923	N76269	225	178	22	2	IAH	LGA	1416
##	74924	N79402	150	125	-16	-3	IAH	PIT	1117
##	74929	N75436	195	174	2	4	IAH	SLC	1195
##	74930	N13624	163	136	-8	-7	IAH	CLE	1091
##	74931	N77518	155	116	-1	1	IAH	ORD	925
##	74941	N16709	164	143	-11	-4	IAH	DCA	1208
##	74943	N76515	243	202	15	2	IAH	SNA	1347

##	74949	N75436	253	236	-4	3	IAH	SFO	1635
##	74954	N19621	211	188	-1	6	IAH	BOS	1597
##	74956	N17126	132	102	-7	-5	IAH	MCO	853
##	74962	N33203	200	179	-10	0	IAH	LAS	1222
##	74964	N57864	159	124	6	3	IAH	DEN	862
##	74966	N26208	183	131	36	9	IAH	DEN	862
##	74968	N77510	113	90	-11	0	IAH	TPA	787
##	74971	N33294	175	139	24	20	IAH	MSP	1034
##	74975	N77261	73	44	5	-1	IAH	MSY	305
##	74978	N16647	169	154	-17	-6	IAH	BWI	1235
##	74981	N12238	185	166	-25	-2	IAH	LGA	1416
##	74985	N37267	137	116	-3	22	IAH	CLE	1091
##	74990	N37273	153	128	-6	10	IAH	DCA	1208
##	74993	N14115	215	195	33	-5	IAH	EGE	935
##	74994	N57869	266	249	0	12	IAH	SEA	1874
##	75001	N78501	202	180	-25	0	IAH	BOS	1597
##	75004	N56859	134	105	0	-1	IAH	MCO	853
##	75010	N37293	230	191	20	0	IAH	LAS	1222
##	75014	N23708	115	92	-11	-1	IAH	TPA	787
##	75015	N37409	263	245	-13	2	IAH	PDX	1825
##	75018	N77510	63	44	-8	-5	IAH	MSY	305
##	75025	N33262	189	157	44	50	IAH	LGA	1416
##	75029	N38403	210	194	-3	-1	IAH	SAN	1303
##	75030	N75432	232	193	16	1	IAH	SAN	1303
##	75031	N37290	57	32	0	-1	IAH	AUS	140
##	75032	N76254	158	125	-7	-2	IAH	CLE	1091
##	75033	N78524	149	114	-8	3	IAH	ORD	925
##	75034	N73278	212	189	10	-2	IAH	SLC	1195
##	75036	N11641	114	89	-10	-1	IAH	ATL	689
##	75039	N73291	55	42	-15	-2	IAH	MSY	305
##	75040	N37422	291	255	12	5	IAH	SEA	1874
##	75043	N37281	235	224	24	50	IAH	SFO	1635
##	75044	N26226	273	237	2	-1	IAH	SFO	1635
##	75045	N37252	183	155	-11	-3	IAH	PHL	1324
##	75050	N75851	127	105	6	12	IAH	MCO	853
##	75052	N46625	159	132	-12	-4	IAH	DTW	1076
##	75054	N76502	226	198	8	10	IAH	LAX	1379
##	75057	N57855	165	133	0	-3	IAH	DEN	862
##	75062	N78003	200	168	-4	1	IAH	EWR	1400
##	75067	N37255	186	158	19	10	IAH	PHX	1009
##	75073	N18220	105	89	-2	17	IAH	TPA	787
##	75074	N73259	186	161	-9	15	IAH	EWR	1400
##	75083	N79402	123	106	-4	25	IAH	ORD	925
##	75084	N73283	135	107	-8	0	IAH	FLL	965
##	75088	N24702	170	149	-7	-2	IAH	DCA	1208
##	75091	N73406	254	231	-8	-2	IAH	SFO	1635
##	75094	N14230	71	40	10	1	IAH	SAT	191
##	75096	N57855	122	100	97	114	IAH	MCO	853
##	75098	N14219	167	127	3	4	IAH	DTW	1076
##	75100	N73270	220	201	7	12	IAH	LAX	1379
##	75101	N14231	224	192	14	-3	IAH	LAS	1222
##	75103	N75858	144	121	-9	-1	IAH	DEN	862
##	75112	N14604	53	31	-9	-5	IAH	AUS	140
##	75114	N33262	255	238	15	19	IAH	SJC	1609

##	75115	N46625	145	126	-32	-2	IAH	PIT	1117
##	75119	N62631	74	42	4	-4	IAH	MSY	305
##	75121	N11641	131	113	-15	0	IAH	CLT	913
##	75127	N75429	136	108	-16	-5	IAH	FLL	965
##	75131	N87513	222	201	2	3	IAH	SNA	1347
##	75133	N16617	126	98	-25	-8	IAH	RSW	861
##	75140	N76503	191	158	-1	0	IAH	PHL	1324
##	75142	N33264	52	37	-7	1	IAH	SAT	191
##	75144	N16701	149	121	-24	-2	IAH	DTW	1076
##	75147	N77867	236	195	5	-5	IAH	LAX	1379
##	75149	N75425	203	181	-10	-1	IAH	LAS	1222
##	75150	N77295	157	138	-13	0	IAH	DCA	1208
##	75154	N35407	102	89	-24	0	IAH	TPA	787
##	75156	N14704	226	203	-9	-3	IAH	SNA	1347
##	75161	N72405	62	30	20	13	IAH	AUS	140
##	75163	N16646	65	30	15	4	IAH	AUS	140
##	75164	N14613	147	128	5	24	IAH	CLE	1091
##	75166	N37253	137	114	-17	3	IAH	ORD	925
##	75168	N32404	123	106	-24	-3	IAH	FLL	965
##	75175	N76516	124	101	27	33	IAH	RSW	861
##	75177	N17627	113	87	-16	-3	IAH	MCI	643
##	75184	N36207	66	32	10	0	IAH	AUS	140
##	75186	N75428	122	103	-9	6	IAH	MCO	853
##	75188	N34222	224	189	21	12	IAH	SAN	1303
##	75189	N27213	133	106	-12	-2	IAH	MIA	964
##	75196	N77525	50	29	-8	-2	IAH	AUS	140
##	75197	N37255	240	207	18	3	IAH	LAX	1379
##	75204	N75433	191	163	11	4	IAH	PHX	1009
##	75205	N16701	78	58	1	3	IAH	MFE	316
##	75206	N38727	59	42	-9	0	IAH	MSY	305
##	75208	N39726	220	198	-11	-4	IAH	SNA	1347
##	75209	N24702	178	161	-19	0	IAH	LGA	1416
##	75212	N18622	74	55	-4	0	IAH	MFE	316
##	75213	N76504	232	217	-13	10	IAH	SMF	1609
##	75215	N37409	142	116	-12	-1	IAH	ORD	925
##	75216	N37252	126	106	-21	-1	IAH	FLL	965
##	75220	N17229	122	97	-9	0	IAH	RSW	861
##	75223	N16646	137	109	12	8	IAH	ELP	667
##	75224	N36280	188	159	-1	3	IAH	PHL	1324
##	75227	N14219	75	39	-2	-12	IAH	SAT	191
##	75232	N27610	158	128	-17	-2	IAH	DTW	1076
##	75233	N12225	214	192	6	12	IAH	SAN	1303
##	75234	N77295	131	105	-22	-5	IAH	MIA	964
##	75238	N26210	253	212	32	10	IAH	LAX	1379
##	75243	N16649	81	56	-1	-3	IAH	MFE	316
##	75248		NA	NA	NA	NA	IAH	OKC	395
##	75250	N37273	273	235	8	-4	IAH	SMF	1609
##	75251	N19638	148	120	-4	-2	IAH	ABQ	744
##	75252	N77296	220	194	20	13	IAH	SAN	1303
##	75254	N77296	217	202	-3	-2	IAH	ONT	1334
##	75259	N35204	159	117	32	28	IAH	ORD	925
##	75260	N75433	129	108	-11	6	IAH	FLL	965
##	75262	N18622	127	85	0	2	IAH	ATL	689
##	75267	N87513	293	266	19	10	IAH	SEA	1874

##	75270	N76503	172	142	-10	11	IAH	PHL	1324
##	75273	N37277	53	35	-5	3	IAH	SAT	191
##	75274	N18223	185	154	11	2	IAH	TUS	936
##	75277	N18223	61	41	2	13	IAH	DFW	224
##	75279	N37281	126	105	-17	-3	IAH	MIA	964
##	75282	N73860	229	200	6	4	IAH	LAX	1379
##	75291	N14731	237	199	14	7	IAH	SNA	1347
##	75292	N16646	69	42	-3	-3	IAH	MSY	305
##	75295	N39423	127	103	-18	-3	IAH	PBI	956
##	75297	N78285	192	172	-13	0	IAH	LGA	1416
##	75298	N73278	185	153	-9	2	IAH	PHL	1324
##	75299	N24706	165	128	-4	-3	IAH	CLE	1091
##	75303	N19623	143	121	-4	10	IAH	RDU	1043
##	75306	N26226	130	104	-6	-1	IAH	OMA	781
##	75310	N14242	133	101	-11	-6	IAH	MCO	853
##	75312	N17620	160	140	-13	9	IAH	HDN	986
##	75315	N21723	250	228	6	17	IAH	SMF	1609
##	75320	N76064	525	493	20	0	IAH	HNL	3904
##	75325	N35271	61	43	-4	4	IAH	MSY	305
##	75326	N17627	61	38	-4	-5	IAH	SAT	191
##	75336	N17620	61	43	-8	0	IAH	MSY	305
##	75338	N16649	61	32	5	-3	IAH	AUS	140
##	75344	N77520	251	203	23	3	IAH	LAX	1379
##	75347	N13113	239	201	22	9	IAH	LAX	1379
##	75352	N57862	157	120	21	21	IAH	DEN	862
##	75353	N76156	197	171	-11	0	IAH	EWR	1400
##	75355	N19130	188	164	-6	18	IAH	EWR	1400
##	75359	N26215	194	171	2	0	IAH	EWR	1400
##	75363	N67058	209	167	13	6	IAH	EWR	1400
##	75368	N54711	67	40	5	6	IAH	MSY	305
##	75372	N18223	209	185	-5	13	IAH	LAX	1379
##	75374	N57855	172	119	7	-7	IAH	ORD	925
##	75377	N37281	204	188	15	31	IAH	ONT	1334
##	75380	N33714	168	147	-1	1	IAH	DCA	1208
##	75385	N57439	268	230	49	45	IAH	SFO	1635
##	75392	N37267	136	107	-7	0	IAH	MIA	964
##	75397	N57863	206	162	10	5	IAH	LAS	1222
##	75399	N14250	138	119	-20	-1	IAH	DEN	862
##	75402	N37434	121	93	2	5	IAH	TPA	787
##	75404	N15710	259	244	20	37	IAH	PDX	1825
##	75405	N79402	206	169	9	17	IAH	EWR	1400
##	75407	N53441	233	212	-5	7	IAH	SJU	2007
##	75412	N29124	181	153	0	-5	IAH	PHX	1009
##	75417	N14613	185	153	15	4	IAH	BWI	1235
##	75421	N77510	196	172	-7	3	IAH	LGA	1416
##	75427	N14645	64	31	10	-1	IAH	AUS	140
##	75429	N16647	168	136	9	10	IAH	CLE	1091
##	75432	N73259	156	126	-1	-2	IAH	RDU	1043
##	75441	N27205	264	241	-19	1	IAH	SEA	1874
##	75444	N75428	256	227	14	18	IAH	SFO	1635
##	75445	N37252	142	121	-13	0	IAH	DEN	862
##	75446	N38257	64	39	2	-1	IAH	SAT	191
##	75451	N75426	193	175	-15	0	IAH	LAS	1222
##	75452	N12225	169	119	35	18	IAH	DEN	862

##	75456	N77520	256	239	-20	-2	IAH	PDX	1825
##	75457	N57869	220	161	36	25	IAH	EWR	1400
##	75462	N78438	169	152	-9	3	IAH	PHX	1009
##	75464	N33262	70	43	2	0	IAH	MSY	305
##	75466	N12225	177	144	18	15	IAH	BWI	1235
##	75477	N23721	176	127	14	-5	IAH	GUC	886
##	75480	N37274	175	139	6	-4	IAH	DCA	1208
##	75487	N14231	256	233	24	34	IAH	SFO	1635
##	75492	N14604	69	36	3	-4	IAH	SAT	191
##	75494	N76269	212	190	-8	-4	IAH	BOS	1597
##	75500	N37287	219	179	10	-1	IAH	LAS	1222
##	75502	N19638	144	103	-1	0	IAH	IND	845
##	75504	N14230	212	190	-1	-4	IAH	SAN	1303
##	75505	N37252	152	135	-28	-8	IAH	IAD	1190
##	75507	N18243	190	144	15	-3	IAH	IAD	1190
##	75509	N76062	204	180	2	-5	IAH	EWR	1400
##	75511	N73270	164	145	-5	3	IAH	IAD	1190
##	75513	N36280	273	231	48	33	IAH	SJC	1609
##	75515	N16632	84	40	54	39	IAH	MSY	305
##	75516	N17245	196	151	29	9	IAH	BWI	1235
##	75519	N13750	206	171	8	-2	IAH	LGA	1416
##	75523	N16646	109	64	22	0	IAH	TUL	429
##	75524	N27421	180	142	31	10	IAH	ORD	925
##	75530	N33284	169	144	-1	0	IAH	DCA	1208
##	75534	N75428	269	249	15	26	IAH	SEA	1874
##	75540	N73276	80	37	16	2	IAH	SAT	191
##	75543	N77525	232	185	22	14	IAH	BOS	1597
##	75548	N75858	196	170	-1	6	IAH	LAS	1222
##	75550	N12221	160	114	11	1	IAH	DEN	862
##	75551	N79521	164	113	28	9	IAH	IND	845
##	75555	N75425	204	172	7	0	IAH	EWR	1400
##	75556	N54711	66	53	0	11	IAH	MFE	316
##	75559	N47414	186	159	13	8	IAH	PHX	1009
##	75565	N35260	179	163	4	30	IAH	LGA	1416
##	75566	N37409	175	143	14	2	IAH	PIT	1117
##	75570	N79279	179	155	-17	-4	IAH	SLC	1195
##	75571	N18622	159	135	-10	-10	IAH	CLE	1091
##	75572	N11206	182	127	27	-3	IAH	ORD	925
##	75581	N21723	172	146	-5	-6	IAH	DCA	1208
##	75586	N35407	262	232	6	4	IAH	SFO	1635
##	75591	N16642	254	198	50	14	IAH	BOS	1597
##	75592	N19130	119	99	5	15	IAH	MCO	853
##	75598	N36444	209	178	1	2	IAH	LAS	1222
##	75600	N74856	140	118	-20	-4	IAH	DEN	862
##	75602	N76529	159	118	11	8	IAH	DEN	862
##	75604	N76523	113	93	-12	-1	IAH	TPA	787
##	75607	N18220	185	145	14	0	IAH	MSP	1034
##	75611	N36272	65	42	-4	-2	IAH	MSY	305
##	75615	N76522	190	169	-15	3	IAH	LGA	1416
##	75618	N12221	180	131	44	26	IAH	CLE	1091
##	75622	N37274	172	144	6	3	IAH	DCA	1208
##	75625	N13110	172	147	-1	-1	IAH	EGE	935
##	75626	N75851	264	239	5	19	IAH	SEA	1874
##	75629	N76504	268	228	41	41	IAH	SFO	1635

##	75634	N26215	217	194	-7	3	IAH	BOS	1597
##	75637	N75851	142	101	13	-1	IAH	MCO	853
##	75642	N38403	198	177	0	12	IAH	LAS	1222
##	75646	N32404	303	255	26	1	IAH	PDX	1825
##	75649	N78524	61	43	-3	-3	IAH	MSY	305
##	75656	N36272	200	170	19	14	IAH	LGA	1416
##	75659	N76515	209	190	-4	-1	IAH	SAN	1303
##	75660	N47414	207	185	-5	0	IAH	SAN	1303
##	75661	N76523	70	30	15	-4	IAH	AUS	140
##	75662	N16709	172	128	19	10	IAH	CLE	1091
##	75663	N87527	152	120	22	30	IAH	ORD	925
##	75664	N37298	191	167	-13	-4	IAH	SLC	1195
##	75666	N17620	129	90	61	55	IAH	ATL	689
##	75667	N76519	220	197	-14	-9	IAH	SNA	1347
##	75671	N37281	64	43	-6	-2	IAH	MSY	305
##	75672	N75432	265	247	2	21	IAH	SEA	1874
##	75675	N37293	260	231	9	10	IAH	SFO	1635
##	75676	N32404	247	229	-22	-1	IAH	SFO	1635
##	75681	N75853	126	107	0	7	IAH	MCO	853
##	75683	N39728	161	138	0	-3	IAH	DTW	1076
##	75686	N26226	228	204	0	0	IAH	LAX	1379
##	75689	N77867	150	121	-7	0	IAH	DEN	862
##	75691	N74007	213	175	17	9	IAH	EWR	1400
##	75694	N37409	173	150	7	11	IAH	PHX	1009
##	75701	N73299	138	93	22	3	IAH	TPA	787
##	75702	N14653	202	171	8	22	IAH	EWR	1400
##	75710	N75853	157	126	18	13	IAH	ORD	925
##	75711	N87527	133	111	-3	2	IAH	FLL	965
##	75715	N39726	159	145	-13	-2	IAH	DCA	1208
##	75718	N73406	257	224	0	3	IAH	SFO	1635
##	75721	N79521	53	39	-13	-4	IAH	SAT	191
##	75723	N77867	122	100	43	60	IAH	MCO	853
##	75725	N54711	158	128	-11	-1	IAH	DTW	1076
##	75727	N18243	237	203	22	10	IAH	LAX	1379
##	75728	N76522	194	176	-13	-5	IAH	LAS	1222
##	75730	N77510	158	122	37	31	IAH	DEN	862
##	75739	N38268	70	30	30	17	IAH	AUS	140
##	75742	N73276	253	234	-1	0	IAH	SJC	1609
##	75743	N59630	181	138	5	-1	IAH	PIT	1117
##	75747	N53441	60	43	12	18	IAH	MSY	305
##	75754	N17719	149	111	4	-3	IAH	FLL	965
##	75758	N76516	217	201	-6	0	IAH	SNA	1347
##	75766	N16632	212	187	82	63	IAH	PHL	1324
##	75768	N33284	56	34	-4	0	IAH	SAT	191
##	75770	N23721	213	141	46	4	IAH	DTW	1076
##	75773	N39418	226	194	7	2	IAH	LAX	1379
##	75775	N78501	195	174	-1	16	IAH	LAS	1222
##	75779	N77430	120	89	9	15	IAH	TPA	787
##	75781	N14731	254	204	27	5	IAH	SNA	1347
##	75787	N14653	52	31	12	14	IAH	AUS	140
##	75788	N32626	157	134	-6	-4	IAH	CLE	1091
##	75790	N79279	159	125	29	27	IAH	ORD	925
##	75792	N37408	136	109	0	8	IAH	FLL	965
##	75795	N77295	61	30	23	18	IAH	AUS	140

##	75798	N76516	125	106	7	12	IAH	RSW	861
##	75800	N14613	152	96	36	10	IAH	MCI	643
##	75807	N38417	52	31	-1	-2	IAH	AUS	140
##	75809	N37420	143	101	30	24	IAH	MCO	853
##	75811	N76254	217	195	11	9	IAH	SAN	1303
##	75812	N21723	124	107	-20	-1	IAH	MIA	964
##	75819	N73299	189	151	21	2	IAH	DCA	1208
##	75820	N38417	236	198	51	40	IAH	LAX	1379
##	75827	N37420	194	153	17	2	IAH	PHX	1009
##	75828	N16646	80	55	-2	-2	IAH	MFE	316
##	75829	N37409	61	42	-8	-6	IAH	MSY	305
##	75831	N15710	236	218	19	10	IAH	SNA	1347
##	75832	N39726	193	172	3	7	IAH	LGA	1416
##	75836	N73283	241	220	-7	7	IAH	SMF	1609
##	75838	N35407	142	115	-7	-1	IAH	ORD	925
##	75839	N38257	129	112	-15	2	IAH	FLL	965
##	75843	N34222	152	99	29	8	IAH	RSW	861
##	75846	N11641	137	108	-2	-6	IAH	ELP	667
##	75847	N75433	181	154	9	20	IAH	PHL	1324
##	75849	N76288	63	40	1	-2	IAH	SAT	191
##	75854	N16617	183	155	5	-5	IAH	DTW	1076
##	75855	N14237	233	201	18	5	IAH	SAN	1303
##	75856	N37255	142	109	-4	-3	IAH	MIA	964
##	75860	N76505	242	211	26	15	IAH	LAX	1379
##	75865	N76503	75	55	-5	-1	IAH	MFE	316
##	75869	N16649	108	59	28	8	IAH	OKC	395
##	75871	N19621	143	124	8	15	IAH	ABQ	744
##	75873	N38417	208	195	89	94	IAH	SAN	1303
##	75875	N35271	210	193	-8	-1	IAH	ONT	1334
##	75878	N37408	43	27	-15	-3	IAH	AUS	140
##	75880	N38403	141	115	-12	-3	IAH	ORD	925
##	75881	N57439	160	107	53	39	IAH	FLL	965
##	75883	N16642	121	88	-9	-1	IAH	ATL	689
##	75888	N37293	259	237	-20	0	IAH	SEA	1874
##	75891	N14219	216	156	45	22	IAH	PHL	1324
##	75894	N33262	53	34	2	10	IAH	SAT	191
##	75895	N17229	163	138	-11	-3	IAH	TUS	936
##	75898	N17614	61	38	58	69	IAH	DFW	224
##	75900	N73283	132	109	4	12	IAH	MIA	964
##	75903	N57852	231	203	22	18	IAH	LAX	1379
##	75912	N24715	219	200	2	13	IAH	SNA	1347
##	75913	N14653	96	44	35	3	IAH	MSY	305
##	75916	N30401	166	105	23	-1	IAH	PBI	956
##	75918	N33266	223	173	24	1	IAH	LGA	1416
##	75919	N37298	191	167	-2	3	IAH	PHL	1324
##	75920	N16732	143	127	-16	7	IAH	CLE	1091
##	75924	N46625	152	123	-7	-2	IAH	RDU	1043
##	75927	N26210	145	108	33	23	IAH	OMA	781
##	75932	N16647	137	108	-4	-5	IAH	MCO	853
##	75934	N17245	170	137	-3	1	IAH	HDN	986
##	75937	N25705	246	228	-16	-1	IAH	SMF	1609
##	75942	N69063	480	459	55	80	IAH	HNL	3904
##	75947	N27239	54	40	-9	1	IAH	MSY	305
##	75956	N38257	66	45	11	7	IAH	MSY	305

##	75958	N14219	53	29	5	0	IAH	AUS	140
##	75966	N29129	217	197	-5	-1	IAH	LAX	1379
##	75971	N75435	143	121	-6	3	IAH	DEN	862
##	75972	N38424	198	177	4	6	IAH	EWR	1400
##	75974	N26123	193	170	-3	8	IAH	EWR	1400
##	75979	N57870	198	171	5	-1	IAH	EWR	1400
##	75982	N78060	206	174	9	5	IAH	EWR	1400
##	75988	N14250	229	196	17	15	IAH	LAX	1379
##	75990	N77867	150	125	-6	-3	IAH	ORD	925
##	75993	N33284	217	196	-6	-3	IAH	ONT	1334
##	75999	N72405	274	241	12	2	IAH	SFO	1635
##	76005	N27213	127	105	-11	0	IAH	MIA	964
##	76011	N75432	192	168	-12	-2	IAH	LAS	1222
##	76013	N76288	141	119	-20	-4	IAH	DEN	862
##	76016	N78506	108	89	-4	10	IAH	TPA	787
##	76018	N13718	266	249	-6	-1	IAH	PDX	1825
##	76019	N79402	218	180	8	-4	IAH	EWR	1400
##	76021	N39415	236	210	-2	7	IAH	SJU	2007
##	76023	N57868	172	149	61	65	IAH	PHX	1009
##	76027	N14645	178	151	2	-2	IAH	BWI	1235
##	76033	N77525	49	34	14	13	IAH	AUS	140
##	76034	N24706	155	130	-7	-4	IAH	CLE	1091
##	76037	N77510	146	124	-2	2	IAH	RDU	1043
##	76039	N87527	175	156	5	-4	IAH	DCA	1208
##	76043	N14214	261	242	5	23	IAH	SEA	1874
##	76046	N37252	262	237	5	3	IAH	SFO	1635
##	76047	N54241	155	123	4	0	IAH	DEN	862
##	76050	N59630	68	43	2	-5	IAH	SAT	191
##	76051	N35260	227	203	16	5	IAH	BOS	1597
##	76057	N37290	186	164	-20	2	IAH	LAS	1222
##	76058	N76269	143	120	-6	-2	IAH	DEN	862
##	76062	N34222	255	240	33	52	IAH	PDX	1825
##	76063	N57869	189	159	12	24	IAH	EWR	1400
##	76068	N35407	169	146	21	28	IAH	PHX	1009
##	76070	N71411	63	46	-6	-6	IAH	MSY	305
##	76072	N17627	182	156	3	-6	IAH	BWI	1235
##	76076	N54711	190	173	-11	2	IAH	LGA	1416
##	76081	N39728	143	125	-16	-2	IAH	GUC	886
##	76084	N23721	156	138	-13	-7	IAH	DCA	1208
##	76091	N79521	253	231	9	17	IAH	SFO	1635
##	76095	N14613	64	37	4	-3	IAH	SAT	191
##	76096	N37267	220	195	5	1	IAH	BOS	1597
##	76101	N71411	203	174	11	14	IAH	LAS	1222
##	76104	N26208	173	154	-1	-2	IAH	IAD	1190
##	76105		NA	NA	NA	NA	IAH	EWR	1400
##	76107	N18243	165	146	-8	-1	IAH	IAD	1190
##	76110	N77525	256	233	7	4	IAH	SJC	1609
##	76112	N78524	62	40	-9	-7	IAH	MSY	305
##	76113	N34222	156	136	45	60	IAH	BWI	1235
##	76115	N29717	191	171	-5	4	IAH	LGA	1416
##	76119	N57855	130	111	-3	21	IAH	ORD	925
##	76121	N73256	141	125	-3	6	IAH	ORD	925
##	76125	N78509	170	150	0	-5	IAH	DCA	1208
##	76128	N39415	261	243	-2	12	IAH	SEA	1874

##	76134	N35271	53	39	-11	-3	IAH	SAT	191
##	76135	N17619	227	186	3	-5	IAH	BOS	1597
##	76139	N57862	184	163	-22	-3	IAH	LAS	1222
##	76141	N77510	136	119	0	14	IAH	DEN	862
##	76142	N16649	143	106	-3	-6	IAH	IND	845
##	76146	N12238	199	170	5	3	IAH	EWR	1400
##	76147	N14237	78	58	7	1	IAH	MFE	316
##	76150	N39416	175	148	4	5	IAH	PHX	1009
##	76157	N37277	198	175	2	4	IAH	LGA	1416
##	76158	N75426	155	132	5	8	IAH	PIT	1117
##	76161	N30401	179	160	-10	3	IAH	SLC	1195
##	76162	N13248	155	138	-12	-4	IAH	CLE	1091
##	76163	N78501	148	121	-8	-4	IAH	ORD	925
##	76171	N25705	152	135	-18	-4	IAH	DCA	1208
##	76173	N39726	208	187	-12	5	IAH	SNA	1347
##	76177	N73406	252	217	11	14	IAH	SFO	1635
##	76180	N16703	200	177	12	25	IAH	BOS	1597
##	76181	N26123	119	98	-15	-5	IAH	MCO	853
##	76186	N37281	198	166	-10	-3	IAH	LAS	1222
##	76188	N57863	137	117	-12	2	IAH	DEN	862
##	76190	N87513	138	118	-7	7	IAH	DEN	862
##	76192	N75433	116	88	11	14	IAH	TPA	787
##	76195	N14230	165	139	5	6	IAH	MSP	1034
##	76197	N16647	178	153	-6	-9	IAH	BWI	1235
##	76200	N19623	198	172	-9	-4	IAH	LGA	1416
##	76205	N73270	153	130	10	12	IAH	CLE	1091
##	76209	N14228	168	147	20	16	IAH	DCA	1208
##	76212	N29124	162	139	-11	-1	IAH	EGE	935
##	76213	N75853	262	237	7	18	IAH	SEA	1874
##	76219	N76504	208	182	-20	-6	IAH	BOS	1597
##	76221	N74856	122	97	6	12	IAH	MCO	853
##	76227	N37298	190	172	-18	-3	IAH	LAS	1222
##	76231	N16709	109	95	-13	-2	IAH	TPA	787
##	76232	N30401	258	233	73	88	IAH	PDX	1825
##	76237	N76504	62	43	-2	-3	IAH	MSY	305
##	76244	N11641	198	168	14	6	IAH	LGA	1416
##	76248	N18223	199	178	24	32	IAH	SAN	1303
##	76249	N37434	199	177	-7	6	IAH	SAN	1303
##	76250	N37263	51	33	-1	-1	IAH	AUS	140
##	76251	N75429	161	133	4	-1	IAH	CLE	1091
##	76252	N37437	142	125	-11	2	IAH	ORD	925
##	76253	N29717	186	167	-7	2	IAH	SLC	1195
##	76255	N11206	107	85	-13	-3	IAH	ATL	689
##	76258	N14242	69	45	7	1	IAH	MSY	305
##	76259	N47414	270	251	-4	5	IAH	SEA	1874
##	76262	N14242	251	228	6	11	IAH	SFO	1635
##	76263	N12221	251	228	-13	4	IAH	SFO	1635
##	76267	N75851	122	98	-6	0	IAH	MCO	853
##	76269	N14653	158	132	9	13	IAH	DTW	1076
##	76270	N37263	216	192	1	8	IAH	LAX	1379
##	76272	N75858	156	120	-5	-4	IAH	DEN	862
##	76274	N79011	192	164	1	6	IAH	EWR	1400
##	76281	N13750	105	88	-4	10	IAH	TPA	787
##	76282	N36280	203	170	11	10	IAH	EWR	1400

##	76291	N14250	138	115	1	1	IAH	FLL	965
##	76297	N32404	254	230	4	5	IAH	SFO	1635
##	76299	N11206	54	37	-7	-4	IAH	SAT	191
##	76301	N75858	127	101	-6	1	IAH	MCO	853
##	76303	N16632	166	138	-9	-8	IAH	DTW	1076
##	76305	N37287	217	188	8	12	IAH	LAX	1379
##	76306	N76505	183	165	-25	-6	IAH	LAS	1222
##	76314	N37274	52	29	0	0	IAH	AUS	140
##	76316	N76269	254	234	2	2	IAH	SJC	1609
##	76317	N59630	156	131	-19	-5	IAH	PIT	1117
##	76321	N76288	64	41	-1	-4	IAH	MSY	305
##	76323	N17620	136	113	-8	-3	IAH	CLT	913
##	76328	N76502	132	109	-11	-1	IAH	FLL	965
##	76331	N14604	123	96	-23	-8	IAH	RSW	861
##	76337	N16703	185	162	21	23	IAH	PHL	1324
##	76339	N75426	67	42	14	2	IAH	SAT	191
##	76343	N78866	214	189	-4	3	IAH	LAX	1379
##	76346	N72405	112	90	-6	3	IAH	TPA	787
##	76351	N19638	NA	NA	NA	4	IAH	AUS	140
##	76352	N46625	151	135	-16	-8	IAH	CLE	1091
##	76354	N73299	135	118	-15	3	IAH	ORD	925
##	76356	N37409	129	107	-4	6	IAH	FLL	965
##	76360	N19621	133	103	1	-4	IAH	RSW	861
##	76362	N38257	112	89	-3	6	IAH	MCI	643
##	76369	N17620	51	32	-5	-5	IAH	AUS	140
##	76371	N37420	120	97	6	18	IAH	MCO	853
##	76373	N26226	205	186	-4	1	IAH	SAN	1303
##	76374	N26226	127	106	-12	4	IAH	MIA	964
##	76382	N13750	60	33	16	7	IAH	AUS	140
##	76383	N39418	212	194	-2	6	IAH	LAX	1379
##	76390	N87512	153	139	19	45	IAH	PHX	1009
##	76391	N14639	86	57	11	0	IAH	MFE	316
##	76392	N14237	65	48	1	-1	IAH	MSY	305
##	76395	N78501	234	217	-20	-4	IAH	SMF	1609
##	76397	N39416	146	125	0	2	IAH	ORD	925
##	76398	N17245	58	32	12	4	IAH	AUS	140
##	76399	N73259	126	107	-18	-3	IAH	FLL	965
##	76402	N78511	124	100	-1	1	IAH	RSW	861
##	76404	N16642	133	102	1	-4	IAH	ELP	667
##	76407	N17619	62	39	-4	-6	IAH	SAT	191
##	76410	N24211	208	185	-3	4	IAH	SAN	1303
##	76411	N24211	140	105	-4	-1	IAH	MIA	964
##	76414	N73256	218	196	-6	2	IAH	LAX	1379
##	76418	N14731	72	55	-1	1	IAH	MFE	316
##	76422	N39726	71	55	-8	4	IAH	OKC	395
##	76424	N38268	242	222	-14	0	IAH	SMF	1609
##	76425	N14613	125	109	-23	-3	IAH	ABQ	744
##	76427	N78509	203	183	-9	-4	IAH	SAN	1303
##	76428	N37293	60	40	4	-1	IAH	SAT	191
##	76429	N27213	142	125	-2	25	IAH	MTJ	926
##	76432	N35271	205	187	-18	-6	IAH	ONT	1334
##	76435	N35407	156	123	13	7	IAH	ORD	925
##	76436	N57439	126	107	-2	13	IAH	FLL	965
##	76440	N17229	258	242	11	32	IAH	SEA	1874

##	76444	N37434	176	154	-13	-1	IAH	PHL	1324
##	76447	N54711	63	41	28	21	IAH	SAT	191
##	76448	N27610	156	137	-18	-3	IAH	TUS	936
##	76450	N27610	72	46	5	0	IAH	DFW	224
##	76451	N77518	130	104	-13	-3	IAH	MIA	964
##	76454	N74856	219	190	5	8	IAH	LAX	1379
##	76461	N24715	210	189	-3	12	IAH	SNA	1347
##	76462	N19638	78	45	7	-7	IAH	MSY	305
##	76465	N36444	123	103	-19	-5	IAH	PBI	956
##	76467	N76254	188	164	-7	-4	IAH	PHL	1324
##	76470	N21723	140	123	-5	3	IAH	RDU	1043
##	76473	N37255	133	102	8	8	IAH	OMA	781
##	76478	N14731	116	99	5	22	IAH	MCO	853
##	76480	N17245	157	138	-16	1	IAH	HDN	986
##	76483	N15710	239	222	-17	0	IAH	SMF	1609
##	76487	N77066	480	463	326	351	IAH	HNL	3904
##	76492	N76504	63	46	0	6	IAH	MSY	305
##	76493	N36280	57	37	-3	0	IAH	SAT	191
##	76503	N19623	65	50	-7	-3	IAH	MSY	305
##	76505	N14228	57	29	13	9	IAH	AUS	140
##	76513	N76515	238	194	16	9	IAH	LAX	1379
##	76516	N12114	210	190	-6	5	IAH	LAX	1379
##	76521	N75432	142	119	3	18	IAH	DEN	862
##	76522	N57857	216	183	10	2	IAH	EWR	1400
##	76524	N14120	200	179	97	109	IAH	EWR	1400
##	76530	N33286	208	180	8	0	IAH	EWR	1400
##	76533	N66051	212	185	6	4	IAH	EWR	1400
##	76542	N73299	201	178	0	26	IAH	LAX	1379
##	76544	N75858	160	128	1	-1	IAH	ORD	925
##	76547	N38257	206	180	-13	1	IAH	ONT	1334
##	76550		NA	NA	NA	NA	IAH	DCA	1208
##	76555	N37408	253	230	-14	2	IAH	SFO	1635
##	76562	N73270	141	109	0	2	IAH	MIA	964
##	76568	N57870	186	163	-22	-2	IAH	LAS	1222
##	76570	N33714	147	122	-16	-1	IAH	DEN	862
##	76575	N75429	111	94	4	17	IAH	TPA	787
##	76578	N38727	267	250	-15	-6	IAH	PDX	1825
##	76579	N37419	239	192	32	7	IAH	EWR	1400
##	76581	N39416	243	222	-3	4	IAH	SJU	2007
##	76587	N14102	162	138	13	32	IAH	PHX	1009
##	76593	N19638	185	161	2	-4	IAH	BWI	1235
##	76597	N37273	206	182	-9	-4	IAH	LGA	1416
##	76604	N58606	53	30	-7	-7	IAH	AUS	140
##	76606	N14639	180	154	10	-1	IAH	CLE	1091
##	76609	N27610	156	132	3	6	IAH	RDU	1043
##	76616	N87527	174	145	1	-2	IAH	DCA	1208
##	76620	N37420	267	247	15	32	IAH	SEA	1874
##	76623	N53441	250	225	-10	5	IAH	SFO	1635
##	76624	N27213	143	122	-9	3	IAH	DEN	862
##	76627	N73275	58	35	-8	0	IAH	SAT	191
##	76628	N14653	226	201	-1	-6	IAH	BOS	1597
##	76635	N36444	188	163	-29	-4	IAH	LAS	1222
##	76637	N33266	135	115	-18	-1	IAH	DEN	862
##	76642	N14242	278	251	-1	0	IAH	PDX	1825

##	76643	N57852	209	174	12	12	IAH	EWR	1400
##	76648	N75436	163	138	5	23	IAH	PHX	1009
##	76650	N33264	65	47	-6	-3	IAH	MSY	305
##	76652	N77296	173	153	5	6	IAH	BWI	1235
##	76656	N35271	204	177	-8	-4	IAH	LGA	1416
##	76668	N14731	176	152	4	-2	IAH	DCA	1208
##	76676	N12238	251	212	-11	4	IAH	SFO	1635
##	76682	N78524	49	35	0	13	IAH	SAT	191
##	76684	N33266	224	202	-1	-4	IAH	BOS	1597
##	76690	N33209	195	168	-4	12	IAH	LAS	1222
##	76692	N38727	139	119	-1	2	IAH	IND	845
##	76694	N36272	195	174	-16	3	IAH	SAN	1303
##	76695	N37281	175	153	0	-3	IAH	IAD	1190
##	76697	N73259	183	161	10	-1	IAH	IAD	1190
##	76699	N67052	211	174	6	0	IAH	EWR	1400
##	76701	N26208	177	158	6	1	IAH	IAD	1190
##	76704	N78509	243	221	-9	6	IAH	SJC	1609
##	76706	N37274	82	43	10	-3	IAH	MSY	305
##	76707	N78501	168	148	64	72	IAH	BWI	1235
##	76710	N16701	212	187	12	1	IAH	LGA	1416
##	76714	N17620	84	69	-6	-3	IAH	TUL	429
##	76715	N77867	152	125	-8	-1	IAH	ORD	925
##	76717	N36247	160	137	7	1	IAH	ORD	925
##	76722	N38257	170	153	0	0	IAH	DCA	1208
##	76726	N75433	274	254	-6	0	IAH	SEA	1874
##	76732	N17233	54	35	-12	0	IAH	SAT	191
##	76735	N76517	244	212	19	-1	IAH	BOS	1597
##	76740	N77871	191	163	-16	1	IAH	LAS	1222
##	76742	N76515	144	123	-9	2	IAH	DEN	862
##	76743	N17619	137	113	61	69	IAH	IND	845
##	76749	N53442	214	183	17	8	IAH	EWR	1400
##	76750	N37290	77	55	-6	-6	IAH	MFE	316
##	76756	N77431	166	144	-12	3	IAH	PHX	1009
##	76763	N37277	203	182	-1	1	IAH	LGA	1416
##	76764	N30401	182	157	19	0	IAH	PIT	1117
##	76769	N38403	168	150	-15	14	IAH	SLC	1195
##	76770	N54711	169	151	2	-3	IAH	CLE	1091
##	76771	N27239	149	125	-10	-2	IAH	ORD	925
##	76781		NA	NA	NA	NA	IAH	DCA	1208
##	76788	N32404	280	224	17	-3	IAH	SFO	1635
##	76793	N14629	234	204	18	2	IAH	BOS	1597
##	76795	N29124	114	98	-5	15	IAH	MCO	853
##	76801	N36280	198	164	-9	3	IAH	LAS	1222
##	76803	N76156	135	115	9	30	IAH	DEN	862
##	76805	N36247	146	120	-5	5	IAH	DEN	862
##	76807	N37281	118	93	0	6	IAH	TPA	787
##	76810	N76502	164	142	-4	3	IAH	MSP	1034
##	76814	N33262	63	45	-7	-3	IAH	MSY	305
##	76817	N23721	168	154	-13	-6	IAH	BWI	1235
##	76820	N17245	213	192	3	-2	IAH	LGA	1416
##	76824	N33292	159	142	-2	1	IAH	CLE	1091
##	76829	N78285	168	147	1	2	IAH	DCA	1208
##	76832	N26123	156	137	-23	-2	IAH	EGE	935
##	76833	N75851	271	250	4	11	IAH	SEA	1874

##	76836	N39418	241	220	102	129	IAH	SFO	1635
##	76841	N13750	222	201	-2	3	IAH	BOS	1597
##	76844	N77431	121	102	-10	2	IAH	MCO	853
##	76850	N38417	182	161	-31	-3	IAH	LAS	1222
##	76854	N39728	110	92	-12	3	IAH	TPA	787
##	76855	N38403	270	245	-7	1	IAH	PDX	1825
##	76858	N23708	68	51	0	-2	IAH	MSY	305
##	76865	N37273	214	192	32	13	IAH	LGA	1416
##	76869	N26215	182	167	15	45	IAH	SAN	1303
##	76870	N75432	192	169	-25	0	IAH	SAN	1303
##	76871	N14228	49	28	25	32	IAH	AUS	140
##	76872	N24212	174	148	9	-2	IAH	CLE	1091
##	76873	N76526	147	126	29	42	IAH	ORD	925
##	76874	N39728	175	160	-32	-7	IAH	SLC	1195
##	76876	N59630	124	90	18	17	IAH	ATL	689
##	76877	N76523	199	175	-27	4	IAH	SNA	1347
##	76881	N76254	63	45	-1	4	IAH	MSY	305
##	76882	N75435	281	260	13	16	IAH	SEA	1874
##	76885	N73259	277	252	77	61	IAH	SFO	1635
##	76886	N37252	249	225	-17	4	IAH	SFO	1635
##	76887	N14230	195	164	4	0	IAH	PHL	1324
##	76892	N57868	123	103	-13	-3	IAH	MCO	853
##	76894	N16649	203	156	30	-6	IAH	DTW	1076
##	76897	N76505	204	181	65	89	IAH	LAX	1379
##	76900	N57862	142	118	-19	1	IAH	DEN	862
##	76906	N78013	245	170	45	5	IAH	EWR	1400
##	76910	N73406	168	143	-9	0	IAH	PHX	1009
##	76916	N73256	125	97	1	0	IAH	TPA	787
##	76917	N24729	230	182	25	5	IAH	EWR	1400
##	76926	N30401	148	127	-5	-1	IAH	ORD	925
##	76927	N73299	130	110	-16	-3	IAH	FLL	965
##	76931	N17719	156	142	35	54	IAH	DCA	1208
##	76934	N35407	266	217	10	4	IAH	SFO	1635
##	76937	N17620	66	38	1	-3	IAH	SAT	191
##	76939	N57862	128	105	-14	-3	IAH	MCO	853
##	76941	N76288	175	154	6	-1	IAH	DTW	1076
##	76943	N33289	240	181	18	3	IAH	LAX	1379
##	76944	N17245	174	158	-32	1	IAH	LAS	1222
##	76946	N77258	156	125	5	1	IAH	DEN	862
##	76955	N27239	47	30	-13	-3	IAH	AUS	140
##	76957	N39297	241	220	-13	5	IAH	SJC	1609
##	76958	N16632	183	150	2	-6	IAH	PIT	1117
##	76962	N77296	58	42	-12	-4	IAH	MSY	305
##	76964	N16642	141	114	-7	-2	IAH	CLT	913
##	76970	N79521	142	113	-6	-1	IAH	FLL	965
##	76974	N77518	200	178	-4	19	IAH	SNA	1347
##	76976	N16647	132	102	-18	-7	IAH	RSW	861
##	76983	N17619	203	172	48	37	IAH	PHL	1324
##	76985	N36247	65	42	6	1	IAH	SAT	191
##	76987	N14731	178	146	15	8	IAH	DTW	1076
##	76990	N77867	201	178	-16	9	IAH	LAX	1379
##	76992	N73275	184	162	-29	-1	IAH	LAS	1222
##	76996	N37408	113	90	5	18	IAH	TPA	787
##	76998	N17730	204	179	-2	26	IAH	SNA	1347

##	77003	N72405	44	30	29	40	IAH	AUS	140
##	77005	N16646	54	27	-2	-2	IAH	AUS	140
##	77006	N18243	174	152	16	8	IAH	CLE	1091
##	77008	N73256	161	140	11	7	IAH	ORD	925
##	77010	N72405	130	112	31	45	IAH	FLL	965
##	77014	N76523	177	151	9	2	IAH	DCA	1208
##	77018	N77518	124	104	-9	-3	IAH	RSW	861
##	77020	N19638	117	96	-6	3	IAH	MCI	643
##	77027	N39726	51	28	-3	2	IAH	AUS	140
##	77029	N14228	128	107	7	16	IAH	MCO	853
##	77031	N54241	198	177	12	29	IAH	SAN	1303
##	77032	N26226	136	113	-6	1	IAH	MIA	964
##	77040	N37252	50	30	1	7	IAH	AUS	140
##	77041	N33294	205	184	-9	11	IAH	LAX	1379
##	77048	N77430	168	143	-16	0	IAH	PHX	1009
##	77049	N39726	74	54	-5	1	IAH	MFE	316
##	77050	N77261	70	52	0	-2	IAH	MSY	305
##	77052	N15710	199	177	-30	-2	IAH	SNA	1347
##	77053	N46625	229	206	22	-4	IAH	LGA	1416
##	77056	N59630	75	53	-10	-7	IAH	MFE	316
##	77057	N21723	243	219	-5	7	IAH	SMF	1609
##	77059	N32404	153	131	-3	-3	IAH	ORD	925
##	77060	N14230	136	115	5	15	IAH	FLL	965
##	77064	N14242	134	105	17	14	IAH	RSW	861
##	77067	N19621	133	101	-5	-5	IAH	ELP	667
##	77068	N75428	194	167	54	52	IAH	PHL	1324
##	77071	N16632	60	33	-10	-5	IAH	SAT	191
##	77076	N14604	175	145	2	0	IAH	DTW	1076
##	77077	N37298	196	174	-16	8	IAH	SAN	1303
##	77078	N33209	136	107	-8	4	IAH	MIA	964
##	77082	N73278	198	180	76	109	IAH	LAX	1379
##	77087	N17719	73	56	-6	0	IAH	MFE	316
##	77092	N19623	95	62	33	26	IAH	OKC	395
##	77094	N17233	239	217	-23	-1	IAH	SMF	1609
##	77095	N14653	135	105	-17	-2	IAH	ABQ	744
##	77096	N14214	190	172	6	29	IAH	SAN	1303
##	77098	N76504	191	175	-11	20	IAH	ONT	1334
##	77103	N38417	157	135	-2	-4	IAH	ORD	925
##	77104	N39297	147	110	21	20	IAH	FLL	965
##	77106	N16632	123	95	-6	0	IAH	ATL	689
##	77111	N14237	279	254	-4	1	IAH	SEA	1874
##	77114	N39415	200	171	25	18	IAH	PHL	1324
##	77117	N35271	56	34	-6	-1	IAH	SAT	191
##	77118	N14639	156	130	-22	-2	IAH	TUS	936
##	77121	N62631	76	43	1	-3	IAH	DFW	224
##	77123	N12221	133	112	19	26	IAH	MIA	964
##	77126	N57863	218	183	-2	7	IAH	LAX	1379
##	77135	N24715	211	187	-20	-1	IAH	SNA	1347
##	77136	N17620	63	46	-9	-3	IAH	MSY	305
##	77139	N77430	143	109	1	0	IAH	PBI	956
##	77141	N76269	202	179	-8	-5	IAH	LGA	1416
##	77142	N13248	217	195	20	-1	IAH	PHL	1324
##	77143	N25705	171	152	10	5	IAH	CLE	1091
##	77147	N59630	160	137	-1	-4	IAH	RDU	1043

##	77150	N78524	126	111	-8	1	IAH	OMA	781
##	77155	N37255	129	99	-14	-5	IAH	MCO	853
##	77157	N14629	162	141	-24	-4	IAH	HDN	986
##	77160	N34222	234	209	-29	-2	IAH	SMF	1609
##	77165	N76055	474	455	-6	25	IAH	HNL	3904
##	77170	N12216	63	45	23	29	IAH	MSY	305
##	77171	N37298	53	38	98	105	IAH	SAT	191
##	77181	N16646	71	46	-1	-3	IAH	MSY	305
##	77183	N76503	47	29	6	12	IAH	AUS	140
##	77191	N73270	216	180	-11	4	IAH	LAX	1379
##	77194	N34137	209	184	-16	1	IAH	LAX	1379
##	77199	N75858	138	118	143	162	IAH	DEN	862
##	77200	N76153	184	158	2	26	IAH	EWR	1400
##	77202	N21108	203	167	24	33	IAH	EWR	1400
##	77208		NA	NA	NA	NA	IAH	EWR	1400
##	77212	N66056	283	161	95	22	IAH	EWR	1400
##	77218	N37287	76	47	7	-1	IAH	MSY	305
##	77222	N77295	203	180	210	234	IAH	LAX	1379
##	77224	N77867	162	137	4	0	IAH	ORD	925
##	77227	N73278	197	179	219	242	IAH	ONT	1334
##	77230	N39726	159	142	-13	-2	IAH	DCA	1208
##	77235	N71411	236	212	-26	7	IAH	SFO	1635
##	77242	N76269	129	109	-7	7	IAH	MIA	964
##	77248	N75861	202	157	-3	1	IAH	LAS	1222
##	77250	N17229	146	125	-18	-2	IAH	DEN	862
##	77255	N38424	112	92	16	28	IAH	TPA	787
##	77258	N17730	245	234	137	168	IAH	PDX	1825
##	77259	N37420	195	168	24	43	IAH	EWR	1400
##	77261	N77431	240	218	0	10	IAH	SJU	2007
##	77267	N12109	192	151	16	5	IAH	PHX	1009
##	77273	N27610	171	148	-11	-3	IAH	BWI	1235
##	77277	N37274	199	162	-13	-1	IAH	LGA	1416
##	77284	N13624	55	30	0	-2	IAH	AUS	140
##	77286	N14653	191	141	14	-8	IAH	CLE	1091
##	77289	N39726	136	113	208	227	IAH	RDU	1043
##	77296		NA	NA	NA	NA	IAH	DCA	1208
##	77300	N36444	268	253	45	61	IAH	SEA	1874
##	77303	N75432	237	214	-15	13	IAH	SFO	1635
##	77304	N26226	155	126	7	7	IAH	DEN	862
##	77307	N38268	57	35	-9	0	IAH	SAT	191
##	77308	N33264	217	188	-2	2	IAH	BOS	1597
##	77315	N75433	212	163	-2	-1	IAH	LAS	1222
##	77317	N77431	148	126	42	46	IAH	DEN	862
##	77322	N37290	259	244	-18	2	IAH	PDX	1825
##	77323	N57869	206	180	51	54	IAH	EWR	1400
##	77328	N75425	169	150	-12	0	IAH	PHX	1009
##	77330	N73275	61	45	61	68	IAH	MSY	305
##	77332	N14237	168	144	-5	1	IAH	BWI	1235
##	77336	N14230	192	163	-15	1	IAH	LGA	1416
##	77347	N24729	146	129	-18	-7	IAH	GUC	886
##	77350	N14704	165	141	-8	-3	IAH	DCA	1208
##	77358	N33284	225	208	-6	35	IAH	SFO	1635
##	77364	N58606	63	36	-2	-3	IAH	SAT	191
##	77366	N77261	203	182	-24	-6	IAH	BOS	1597

##	77372	N73251	190	158	-7	14	IAH	LAS	1222
##	77374	N37419	138	111	-9	-5	IAH	IND	845
##	77376	N37267	192	174	-12	10	IAH	SAN	1303
##	77377	N17719	209	148	34	-3	IAH	IAD	1190
##	77379	N36280	162	141	35	45	IAH	IAD	1190
##	77381		NA	NA	NA	NA	IAH	EWR	1400
##	77383	N33289	157	135	-15	0	IAH	IAD	1190
##	77386	N77518	224	203	-12	22	IAH	SJC	1609
##	77388	N33266	60	41	-11	-2	IAH	MSY	305
##	77389	N37290	165	144	-1	10	IAH	BWI	1235
##	77392	N24715	181	162	-17	3	IAH	LGA	1416
##	77396	N19621	96	69	2	-7	IAH	TUL	429
##	77397	N57857	152	128	11	18	IAH	ORD	925
##	77399	N37252	152	131	8	10	IAH	ORD	925
##	77404	N18243	157	139	-13	0	IAH	DCA	1208
##	77408	N37419	281	257	2	1	IAH	SEA	1874
##	77414	N77258	61	36	-8	-3	IAH	SAT	191
##	77417	N77520	218	188	2	8	IAH	BOS	1597
##	77422	N75854	200	163	-6	2	IAH	LAS	1222
##	77424	N36272	151	124	-4	0	IAH	DEN	862
##	77425	N16646	150	124	1	-4	IAH	IND	845
##	77431	N47414	259	182	181	127	IAH	EWR	1400
##	77432	N18243	68	52	-5	4	IAH	MFE	316
##	77438	N75426	170	145	114	125	IAH	PHX	1009
##	77444	N37263	203	175	57	59	IAH	LGA	1416
##	77445	N32404	157	135	104	110	IAH	PIT	1117
##	77450	N30401	191	166	-8	-2	IAH	SLC	1195
##	77451	N16234	160	137	-7	-3	IAH	CLE	1091
##	77452	N77258	157	128	1	1	IAH	ORD	925
##	77462	N23708	164	143	-8	-1	IAH	DCA	1208
##	77469	N38417	227	210	31	64	IAH	SFO	1635
##	77474	N33292	209	187	-8	1	IAH	BOS	1597
##	77476	N21108	124	100	-14	-4	IAH	MCO	853
##	77482	N14237	176	153	-27	7	IAH	LAS	1222
##	77484	N57862	143	119	-2	11	IAH	DEN	862
##	77486	N37252	150	122	-2	4	IAH	DEN	862
##	77488	N39297	112	89	25	37	IAH	TPA	787
##	77491	N14731	180	158	18	9	IAH	MSP	1034
##	77495	N14214	68	50	1	0	IAH	MSY	305
##	77498	N13750	166	150	-11	3	IAH	BWI	1235
##	77501	N15710	213	175	110	105	IAH	LGA	1416
##	77505	N76502	169	142	16	9	IAH	CLE	1091
##	77510	N24729	155	140	-14	0	IAH	DCA	1208
##	77513	N38727	167	143	-10	0	IAH	EGE	935
##	77514	N57868	276	251	7	9	IAH	SEA	1874
##	77517	N37434	225	205	35	78	IAH	SFO	1635
##	77522	N38268	212	189	-11	4	IAH	BOS	1597
##	77525	N78866	130	101	-5	-2	IAH	MCO	853
##	77531	N35407	189	161	27	48	IAH	LAS	1222
##	77535	N16703	119	94	-9	-3	IAH	TPA	787
##	77536	N30401	262	237	-15	1	IAH	PDX	1825
##	77539	N26226	68	46	0	-2	IAH	MSY	305
##	77546	N36272	180	160	94	109	IAH	LGA	1416
##	77550	N39416	182	167	-30	0	IAH	SAN	1303

##	77551	N75426	196	175	-19	2	IAH	SAN	1303
##	77552	N33286	54	30	-4	-2	IAH	AUS	140
##	77553	N87513	167	138	5	1	IAH	CLE	1091
##	77554	N27239	158	134	13	15	IAH	ORD	925
##	77555	N14250	181	162	-16	3	IAH	SLC	1195
##	77557	N14629	121	84	-1	1	IAH	ATL	689
##	77558	N77518	221	183	-10	-1	IAH	SNA	1347
##	77562	N26215	68	46	-5	-5	IAH	MSY	305
##	77563	N11206	268	251	-14	2	IAH	SEA	1874
##	77566	N26215	231	212	-27	3	IAH	SFO	1635
##	77567	N73278	242	215	-28	0	IAH	SFO	1635
##	77568	N23708	171	147	-18	2	IAH	PHL	1324
##	77573	N75851	120	98	0	13	IAH	MCO	853
##	77575	N17627	168	143	-2	-3	IAH	DTW	1076
##	77578	N39415	203	182	-3	22	IAH	LAX	1379
##	77581	N77871	146	121	-17	-1	IAH	DEN	862
##	77587	N78009	335	176	267	137	IAH	EWR	1400
##	77592	N37413	164	145	-4	9	IAH	PHX	1009
##	77598	N12225	114	94	21	31	IAH	TPA	787
##	77599	N12225	203	171	65	72	IAH	EWR	1400
##	77608	N38403	158	140	8	2	IAH	ORD	925
##	77609	N77295	135	111	-9	-1	IAH	FLL	965
##	77613	N54711	162	140	-2	11	IAH	DCA	1208
##	77616	N37409	230	210	-28	2	IAH	SFO	1635
##	77619	N76254	55	36	13	20	IAH	SAT	191
##	77621	N77871	114	93	-13	12	IAH	MCO	853
##	77623	N24202	175	144	7	0	IAH	DTW	1076
##	77625	N24202	199	179	13	39	IAH	LAX	1379
##	77626	N24212	193	168	-19	-5	IAH	LAS	1222
##	77628	N78511	150	121	19	21	IAH	DEN	862
##	77637	N37274	43	26	134	148	IAH	AUS	140
##	77639	N33266	246	211	-15	-2	IAH	SJC	1609
##	77640	N27610	167	144	-11	-3	IAH	PIT	1117
##	77644	N34222	62	45	2	6	IAH	MSY	305
##	77646	N14629	128	108	-23	-5	IAH	CLT	913
##	77652	N76505	139	115	-8	0	IAH	FLL	965
##	77656	N76522	198	180	-26	-1	IAH	SNA	1347
##	77658	N16632	123	100	-23	-3	IAH	RSW	861
##	77665	N14242	184	151	93	101	IAH	PHL	1324
##	77667	N39416	57	39	4	7	IAH	SAT	191
##	77669	N79521	176	143	3	-2	IAH	DTW	1076
##	77672	N57857	218	183	-1	7	IAH	LAX	1379
##	77674	N37422	193	168	-17	2	IAH	LAS	1222
##	77675	N16217	160	139	-9	1	IAH	DCA	1208
##	77679	N71411	111	87	-7	8	IAH	TPA	787
##	77681	N16732	209	186	-12	11	IAH	SNA	1347
##	77686	N53442	53	31	0	2	IAH	AUS	140
##	77688	N14613	55	31	0	-1	IAH	AUS	140
##	77689	N16648	158	134	-11	-3	IAH	CLE	1091
##	77691	N36247	180	136	29	6	IAH	ORD	925
##	77693	N38403	153	113	10	1	IAH	FLL	965
##	77700	N76522	127	106	-4	-1	IAH	RSW	861
##	77702	N19638	130	102	3	-1	IAH	MCI	643
##	77709	N39416	50	32	-11	-5	IAH	AUS	140

## 77711	N76503	116	94	-1	20	IAH	MCO	853
## 77713	N35204	197	178	-15	3	IAH	SAN	1303
## 77714	N77296	135	114	-8	0	IAH	MIA	964
## 77722	N76504	54	30	2	4	IAH	AUS	140
## 77723	N37413	211	183	11	25	IAH	LAX	1379
## 77730	N73406	176	147	-3	5	IAH	PHX	1009
## 77731	N16642	76	56	-6	-2	IAH	MFE	316
## 77732	N18243	61	43	-6	1	IAH	MSY	305
## 77734	N23721	203	184	-7	17	IAH	SNA	1347
## 77735	N16632	188	166	216	231	IAH	LGA	1416
## 77738	N58606	79	57	-2	-3	IAH	MFE	316
## 77739	N73299	230	212	-25	0	IAH	SMF	1609
## 77741	N79402	157	131	31	27	IAH	ORD	925
## 77742	N73259	136	114	-6	4	IAH	FLL	965
## 77746	N27213	118	94	-13	0	IAH	RSW	861
## 77749	N14613	118	100	-19	-4	IAH	ELP	667
## 77750	N53441	216	170	42	18	IAH	PHL	1324
## 77753	N62631	65	38	-3	-3	IAH	SAT	191
## 77758	N16647	176	148	45	42	IAH	DTW	1076
## 77759	N24212	202	179	-13	5	IAH	SAN	1303
## 77760	N12221	137	109	6	17	IAH	MIA	964
## 77764	N18220	213	186	-15	3	IAH	LAX	1379
## 77769	N87512	76	56	10	13	IAH	MFE	316
## 77774	N14639	86	61	-6	-4	IAH	OKC	395
## 77776	N76269	254	233	-11	-4	IAH	SMF	1609
## 77777	N17620	133	109	-11	6	IAH	ABQ	744
## 77778	N75436	187	171	40	66	IAH	SAN	1303
## 77780	N33292	209	182	-13	0	IAH	ONT	1334
## 77785	N35407	156	124	9	8	IAH	ORD	925
## 77786	N76254	138	108	0	8	IAH	FLL	965
## 77788	N62631	124	85	1	6	IAH	ATL	689
## 77793	N39418	283	253	2	3	IAH	SEA	1874
## 77796	N14214	180	160	8	21	IAH	PHL	1324
## 77799	N14230	57	35	8	12	IAH	SAT	191
## 77800	N17620	173	142	-7	-4	IAH	TUS	936
## 77803	N17719	70	48	10	12	IAH	DFW	224
## 77805	N54241	144	113	6	2	IAH	MIA	964
## 77808	N78866	206	176	-7	14	IAH	LAX	1379
## 77817	N13750	208	179	41	63	IAH	SNA	1347
## 77818	N14613	63	42	-12	-6	IAH	MSY	305
## 77821	N36207	127	109	-10	5	IAH	PBI	956
## 77823	N35271	176	156	-22	7	IAH	LGA	1416
## 77824	N17233	200	164	36	32	IAH	PHL	1324
## 77825	N17730	149	131	-6	11	IAH	CLE	1091
## 77829	N46625	146	117	-9	2	IAH	RDU	1043
## 77832	N33209	138	113	4	1	IAH	OMA	781
## 77837	N39297	122	97	-21	-5	IAH	MCO	853
## 77839	N19621	176	140	-9	-3	IAH	HDN	986
## 77842	N38727	227	210	14	48	IAH	SMF	1609
## 77847	N76065	486	471	0	19	IAH	HNL	3904
## 77852	N24212	56	41	-1	12	IAH	MSY	305
## 77853	N13248	63	37	2	-1	IAH	SAT	191
## 77862	N75428	61	43	-9	-1	IAH	MSY	305
## 77864	N19638	56	27	1	-2	IAH	AUS	140

##	77872	N78509	216	190	-17	-2	IAH	LAX	1379
##	77875	N41135	211	189	-16	-1	IAH	LAX	1379
##	77880	N77867	166	137	11	2	IAH	DEN	862
##	77881		NA	NA	NA	NA	IAH	EWR	1400
##	77883	N13113	193	161	47	66	IAH	EWR	1400
##	77889	N36280	215	184	12	-3	IAH	EWR	1400
##	77893	N69059	231	176	181	160	IAH	EWR	1400
##	77899	N26226	72	47	6	2	IAH	MSY	305
##	77903	N33209	218	194	-7	2	IAH	LAX	1379
##	77904	N75854	164	128	14	8	IAH	ORD	925
##	77907	N24202	223	196	7	4	IAH	ONT	1334
##	77910		NA	NA	NA	NA	IAH	DCA	1208
##	77915	N39297	244	221	-24	1	IAH	SFO	1635
##	77921	N38268	129	105	-16	-2	IAH	MIA	964
##	77925	N14228	155	124	4	11	IAH	DEN	862
##	77930	N77430	121	96	-3	0	IAH	TPA	787
##	77933	N17719	264	243	-13	-1	IAH	PDX	1825
##	77934		NA	NA	NA	NA	IAH	EWR	1400
##	77936	N47414	260	239	7	-3	IAH	SJU	2007
##	77942	N12114	182	153	3	2	IAH	PHX	1009
##	77951	N14242	200	165	15	26	IAH	LGA	1416
##	77958	N19623	50	27	-5	-2	IAH	AUS	140
##	77960	N16647	161	132	-13	-5	IAH	CLE	1091
##	77963	N16646	153	127	-8	-2	IAH	RDU	1043
##	77969	N87513	162	140	1	10	IAH	DCA	1208
##	77975	N16234	144	118	1	12	IAH	DEN	862
##	77978	N32404	217	185	9	13	IAH	BOS	1597
##	77984	N13248	149	123	-10	-7	IAH	DEN	862
##	77989	N37290	273	259	-10	-4	IAH	PDX	1825
##	77990	N77865	NA	NA	NA	26	IAH	EWR	1400
##	77994	N75433	172	149	12	21	IAH	PHX	1009
##	77995	N73276	63	43	-7	-2	IAH	MSY	305
##	77997	N76526	176	157	3	1	IAH	BWI	1235
##	78001	N77261	221	184	21	8	IAH	LGA	1416
##	78013	N76503	161	147	-13	-4	IAH	DCA	1208
##	78019	N37252	243	215	-21	2	IAH	SFO	1635
##	78024	N76505	61	40	0	1	IAH	SAT	191
##	78031	N73259	201	178	-8	-1	IAH	LAS	1222
##	78033	N12216	130	104	-12	0	IAH	IND	845
##	78035	N33292	170	143	-5	-3	IAH	IAD	1190
##	78037	N37298	194	176	20	-2	IAH	IAD	1190
##	78039	N76523	221	188	10	-6	IAH	EWR	1400
##	78041	N77296	NA	NA	NA	0	IAH	IAD	1190
##	78044	N87513	237	216	-18	3	IAH	SJC	1609
##	78045	N37267	69	42	-3	-3	IAH	MSY	305
##	78046		NA	NA	NA	NA	IAH	BWI	1235
##	78049	N33284	200	177	44	45	IAH	LGA	1416
##	78053	N17620	78	61	-18	-9	IAH	TUL	429
##	78054	N75861	161	124	-7	-9	IAH	ORD	925
##	78056	N79279	154	134	0	0	IAH	ORD	925
##	78061	N17233	183	158	11	-2	IAH	DCA	1208
##	78065	N38417	271	249	-10	-1	IAH	SEA	1874
##	78071	N33264	62	40	-3	1	IAH	SAT	191
##	78072	N76516	229	200	6	1	IAH	BOS	1597

##	78076	N57869	206	182	-1	1	IAH	LAS	1222
##	78078	N14653	142	105	-15	-12	IAH	IND	845
##	78084	N37419	227	190	193	171	IAH	EWR	1400
##	78085	N24729	71	55	-7	-1	IAH	MFE	316
##	78091	N37434	169	151	-16	-4	IAH	PHX	1009
##	78097	N35271	206	180	84	83	IAH	LGA	1416
##	78098	N76254	162	137	1	2	IAH	PIT	1117
##	78103	N35407	186	164	-8	3	IAH	SLC	1195
##	78104	N19638	165	136	-15	-10	IAH	CLE	1091
##	78105	N78509	151	130	-10	-4	IAH	ORD	925
##	78115		NA	NA	NA	NA	IAH	DCA	1208
##	78117	N76519	221	198	-14	-5	IAH	SNA	1347
##	78123	N35407	243	214	-8	9	IAH	SFO	1635
##	78128	N12238	212	185	-14	-8	IAH	BOS	1597
##	78130	N13113	173	102	38	-1	IAH	MCO	853
##	78136	N33292	204	173	-6	0	IAH	LAS	1222
##	78138	N57868	152	124	7	11	IAH	DEN	862
##	78140	N27213	144	122	-9	3	IAH	DEN	862
##	78142	N73299	114	92	-10	0	IAH	TPA	787
##	78145	N12225	176	140	11	6	IAH	MSP	1034
##	78149	N33264	72	49	4	-1	IAH	MSY	305
##	78152	N27610	177	159	-6	-3	IAH	BWI	1235
##	78154		NA	NA	NA	NA	IAH	LGA	1416
##	78158	N73276	164	138	-3	-5	IAH	CLE	1091
##	78161		NA	NA	NA	NA	IAH	DCA	1208
##	78164	N24729	161	143	-22	-6	IAH	EGE	935
##	78166	N75851	283	262	5	0	IAH	SEA	1874
##	78169	N26208	251	223	-10	7	IAH	SFO	1635
##	78173	N77258	224	188	-6	-3	IAH	BOS	1597
##	78179	N79402	208	180	-1	1	IAH	LAS	1222
##	78183	N23707	123	93	-7	-5	IAH	TPA	787
##	78184	N32404	273	246	-8	-3	IAH	PDX	1825
##	78193		NA	NA	NA	NA	IAH	LGA	1416
##	78197	N39418	204	183	-12	1	IAH	SAN	1303
##	78198	N75429	159	128	-6	-2	IAH	CLE	1091
##	78199	N77510	164	135	11	7	IAH	ORD	925
##	78200	N36280	174	156	-14	12	IAH	SLC	1195
##	78202	N14639	118	86	-13	-8	IAH	ATL	689
##	78205	N26215	67	46	-4	-3	IAH	MSY	305
##	78206	N87507	280	256	5	9	IAH	SEA	1874
##	78209	N34222	248	212	-17	-4	IAH	SFO	1635
##	78210	N37255	247	221	-20	3	IAH	SFO	1635
##	78211	N14230	227	156	180	144	IAH	PHL	1324
##	78216	N77871	122	103	-10	1	IAH	MCO	853
##	78219	N77295	222	195	4	10	IAH	LAX	1379
##	78222	N57857	152	123	-6	4	IAH	DEN	862
##	78228	N77014	219	185	45	31	IAH	EWR	1400
##	78233	N37408	174	148	13	16	IAH	PHX	1009
##	78240		NA	NA	NA	NA	IAH	EWR	1400
##	78248	N30401	135	117	3	20	IAH	ORD	925
##	78249	N33209	133	112	-12	-2	IAH	FLL	965
##	78253		NA	NA	NA	NA	IAH	DCA	1208
##	78256	N37409	249	216	-4	7	IAH	SFO	1635
##	78259	N12221	58	40	1	5	IAH	SAT	191

##	78261	N57857	131	102	-2	6	IAH	MCO	853
##	78263	N33289	163	134	-6	-1	IAH	DTW	1076
##	78265	N33289	201	182	-30	-6	IAH	LAX	1379
##	78266	N13248	202	176	-7	-2	IAH	LAS	1222
##	78268	N79521	162	124	9	-1	IAH	DEN	862
##	78276	N33266	62	29	10	5	IAH	AUS	140
##	78278	N33266	233	220	-28	-2	IAH	SJC	1609
##	78279	N76502	167	138	-9	-5	IAH	PIT	1117
##	78283	N73270	62	43	-6	-2	IAH	MSY	305
##	78285	N16642	137	118	-12	-3	IAH	CLT	913
##	78294	N76522	222	195	4	5	IAH	SNA	1347
##	78301	N14242	54	38	88	94	IAH	SAT	191
##	78303	N39297	164	130	-15	-8	IAH	DTW	1076
##	78305	N75861	221	195	-5	0	IAH	LAX	1379
##	78307	N24224	208	176	-3	1	IAH	LAS	1222
##	78311	N75410	113	91	-10	3	IAH	TPA	787
##	78312	N39726	213	190	-12	7	IAH	SNA	1347
##	78316	N73278	56	29	1	0	IAH	AUS	140
##	78318	N14629	53	31	0	1	IAH	AUS	140
##	78319	N16649	154	135	-22	-10	IAH	CLE	1091
##	78321	N17245	155	136	-3	-1	IAH	ORD	925
##	78323	N30401	135	118	67	76	IAH	FLL	965
##	78327	N76519	57	30	3	2	IAH	AUS	140
##	78331	N76522	128	109	1	3	IAH	RSW	861
##	78333	N16648	121	95	-5	0	IAH	MCI	643
##	78340	N37408	47	30	-12	-3	IAH	AUS	140
##	78342	N75432	120	99	-17	0	IAH	MCO	853
##	78344	N27239	211	185	-6	-2	IAH	SAN	1303
##	78345	N33286	137	115	-3	3	IAH	MIA	964
##	78351		NA	NA	NA	NA	IAH	DCA	1208
##	78357	N58606	81	56	-3	-4	IAH	MFE	316
##	78358	N75429	63	44	-7	-2	IAH	MSY	305
##	78360	N17719	201	188	-25	1	IAH	SNA	1347
##	78361		NA	NA	NA	NA	IAH	LGA	1416
##	78364	N26226	249	228	-8	-2	IAH	SMF	1609
##	78366	N34222	144	126	-16	-7	IAH	ORD	925
##	78367	N33286	140	117	-8	-2	IAH	FLL	965
##	78371	N37290	119	97	8	20	IAH	RSW	861
##	78375	N14629	131	107	-1	1	IAH	ELP	667
##	78376	N36444	190	162	-1	1	IAH	PHL	1324
##	78379	N12216	53	37	-15	-3	IAH	SAT	191
##	78384	N16632	174	135	-5	-6	IAH	DTW	1076
##	78385	N37281	204	181	-16	0	IAH	SAN	1303
##	78389	N79279	220	194	-7	4	IAH	LAX	1379
##	78394	N17229	78	56	-4	-3	IAH	MFE	316
##	78398	N58606	86	64	-5	-3	IAH	OKC	395
##	78400	N53442	233	217	-31	-3	IAH	SMF	1609
##	78401	N14613	141	122	-12	-3	IAH	ABQ	744
##	78402	N75428	204	181	-8	1	IAH	SAN	1303
##	78405	N73259	207	188	-18	-3	IAH	ONT	1334
##	78409	N77865	155	125	1	1	IAH	ORD	925
##	78410	N53442	144	116	10	12	IAH	FLL	965
##	78411	N14653	131	99	0	-2	IAH	ATL	689
##	78415	N53441	272	255	-5	7	IAH	SEA	1874

## 78417		NA	NA	NA	NA	IAH	PHL	1324
## 78419	N37274	59	37	-5	-3	IAH	SAT	191
## 78420	N16617	74	41	-3	-5	IAH	DFW	224
## 78422	N26226	138	114	8	10	IAH	MIA	964
## 78425	N57864	217	186	-4	6	IAH	LAX	1379
## 78434	N14731	220	201	-10	0	IAH	SNA	1347
## 78437	N57439	133	110	-9	0	IAH	PBI	956
## 78439		NA	NA	NA	NA	IAH	LGA	1416
## 78440	N78501	184	160	140	152	IAH	PHL	1324
## 78441	N25705	146	127	-19	1	IAH	CLE	1091
## 78445	N17619	155	124	-8	-6	IAH	RDU	1043
## 78448	N76505	125	105	-11	-1	IAH	OMA	781
## 78453	N37409	128	102	-3	7	IAH	MCO	853
## 78455	N17620	180	153	-6	-4	IAH	HDN	986
## 78458	N23707	236	217	-25	0	IAH	SMF	1609
## 78463	N68061	493	473	-13	-1	IAH	HNL	3904
## 78468	N14230	67	44	-4	-2	IAH	MSY	305
## 78469	N33286	71	41	9	-2	IAH	SAT	191
## 78478	N16632	73	46	-2	-6	IAH	MSY	305
## 78480	N24224	56	32	94	91	IAH	AUS	140
## 78490	N17133	235	192	9	0	IAH	LAX	1379
## 78495	N57868	148	125	106	115	IAH	DEN	862
## 78496	N18119	187	165	-21	0	IAH	EWR	1400
## 78498	N58101	184	158	-24	4	IAH	EWR	1400
## 78504	N12218	190	164	-10	0	IAH	EWR	1400
## 78508	N66051	190	163	-20	0	IAH	EWR	1400
## 78514	N36444	64	44	-4	0	IAH	MSY	305
## 78518	N33284	225	194	1	3	IAH	LAX	1379
## 78519	N57857	160	124	4	2	IAH	ORD	925
## 78522	N76254	210	182	-2	8	IAH	ONT	1334
## 78525	N23707	157	136	-20	-7	IAH	DCA	1208
## 78530	N38403	245	224	-23	1	IAH	SFO	1635
## 78536	N38268	136	114	-9	-2	IAH	MIA	964
## 78540	N77296	140	117	-23	-1	IAH	DEN	862
## 78545	N39415	130	106	2	-4	IAH	TPA	787
## 78548	N15712	274	255	-3	-1	IAH	PDX	1825
## 78549	N29129	198	162	-14	2	IAH	EWR	1400
## 78551	N53442	271	248	17	-4	IAH	SJU	2007
## 78557	N13138	167	147	-14	0	IAH	PHX	1009
## 78566	N17719	186	161	-29	-4	IAH	LGA	1416
## 78573	N32626	62	29	3	-6	IAH	AUS	140
## 78575	N17640	161	131	-16	-8	IAH	CLE	1091
## 78578	N17620	145	123	-17	-3	IAH	RDU	1043
## 78584	N76526	142	125	17	46	IAH	DCA	1208
## 78590	N33209	151	126	-3	1	IAH	DEN	862
## 78593	N71411	232	193	8	-3	IAH	BOS	1597
## 78599	N36247	142	122	-14	-4	IAH	DEN	862
## 78604	N14228	259	239	28	48	IAH	PDX	1825
## 78605	N57855	189	156	-11	9	IAH	EWR	1400
## 78608	N34282	169	146	12	24	IAH	PHX	1009
## 78609	N37274	79	48	11	0	IAH	MSY	305
## 78611	N87513	156	136	-18	0	IAH	BWI	1235
## 78615	N73276	210	177	-1	-3	IAH	LGA	1416
## 78624	N39726	149	135	-13	-5	IAH	GUC	886

##	78632	N38443	264	227	-1	1	IAH	SFO	1635
##	78637	N14704	67	41	0	-5	IAH	SAT	191
##	78644	N78501	203	176	-8	0	IAH	LAS	1222
##	78646	N36247	125	97	-25	-8	IAH	IND	845
##	78648	N33209	163	129	-5	4	IAH	IAD	1190
##	78650	N37255	157	132	-16	-1	IAH	IAD	1190
##	78652	N21723	202	173	1	4	IAH	EWR	1400
##	78654	N37298	159	136	-13	0	IAH	IAD	1190
##	78657	N77510	247	224	17	28	IAH	SJC	1609
##	78658	N73275	69	47	-3	-3	IAH	MSY	305
##	78659	N77295	164	142	-13	-1	IAH	BWI	1235
##	78665	N19623	94	74	0	-7	IAH	TUL	429
##	78666	N78509	146	119	-11	2	IAH	ORD	925
##	78668	N27213	146	125	-5	3	IAH	ORD	925
##	78673	N33292	152	134	-26	-8	IAH	DCA	1208
##	78677	N75428	275	256	-5	0	IAH	SEA	1874
##	78683	N33266	60	39	-7	-1	IAH	SAT	191
##	78684	N76529	213	181	-12	-1	IAH	BOS	1597
##	78688	N57855	204	181	-7	-3	IAH	LAS	1222
##	78690	N16632	131	104	-19	-5	IAH	IND	845
##	78696	N37434	210	182	4	-1	IAH	EWR	1400
##	78697	N37255	68	52	-12	-3	IAH	MFE	316
##	78703	N39416	168	145	-16	-3	IAH	PHX	1009
##	78709	N36272	197	167	-10	-2	IAH	LGA	1416
##	78710	N47414	159	124	-8	-4	IAH	PIT	1117
##	78715	N35407	190	164	-6	1	IAH	SLC	1195
##	78716	N14613	168	131	-11	-9	IAH	CLE	1091
##	78717	N37287	152	129	-4	1	IAH	ORD	925
##	78726	N12221	152	133	-21	-2	IAH	DCA	1208
##	78733	N73406	253	226	-15	0	IAH	SFO	1635
##	78738	N73283	198	172	-15	5	IAH	BOS	1597
##	78740	N58101	131	106	-4	-1	IAH	MCO	853
##	78746	N39297	211	180	2	1	IAH	LAS	1222
##	78748	N77865	153	120	12	15	IAH	DEN	862
##	78750	N73299	152	118	-3	1	IAH	DEN	862
##	78752	N24202	147	118	19	-4	IAH	TPA	787
##	78755	N27213	162	143	43	52	IAH	MSP	1034
##	78759	N33266	72	48	5	0	IAH	MSY	305
##	78762	N19621	167	143	-20	-7	IAH	BWI	1235
##	78764	N12225	202	172	-9	-3	IAH	LGA	1416
##	78768	N76265	144	126	-17	1	IAH	CLE	1091
##	78772	N37263	157	139	-20	-8	IAH	DCA	1208
##	78774	N24729	170	145	-16	-9	IAH	EGE	935
##	78776	N57862	275	254	0	3	IAH	SEA	1874
##	78782	N13750	197	172	52	82	IAH	BOS	1597
##	78788	N38417	202	177	-8	0	IAH	LAS	1222
##	78792	N16709	121	100	-6	-2	IAH	TPA	787
##	78793	N76505	260	240	32	50	IAH	PDX	1825
##	78802	N39726	176	160	-16	3	IAH	LGA	1416
##	78806	N37419	198	181	-15	4	IAH	SAN	1303
##	78807	N39297	152	121	-19	-8	IAH	CLE	1091
##	78808	N76514	177	123	16	-1	IAH	ORD	925
##	78809	N17233	187	169	-21	-8	IAH	SLC	1195
##	78811	N16649	129	87	1	-5	IAH	ATL	689

##	78812	N76517	201	180	-32	-3	IAH	SNA	1347
##	78815	N76523	76	47	8	0	IAH	MSY	305
##	78816	N33203	266	251	2	20	IAH	SEA	1874
##	78819	N38257	246	228	-12	3	IAH	SFO	1635
##	78820	N34222	254	226	-19	-3	IAH	SFO	1635
##	78821	N18220	178	152	-16	-3	IAH	PHL	1324
##	78826	N77871	157	124	26	2	IAH	MCO	853
##	78829	N36280	222	189	-3	3	IAH	LAX	1379
##	78831	N57862	132	114	-32	-2	IAH	DEN	862
##	78837	N78005	202	157	4	7	IAH	EWR	1400
##	78842	N75410	165	146	-11	1	IAH	PHX	1009
##	78848	N36207	188	160	-18	4	IAH	EWR	1400
##	78856	N35407	140	119	-12	0	IAH	ORD	925
##	78857	N38417	132	116	-12	-1	IAH	FLL	965
##	78861	N16703	150	129	-30	-5	IAH	DCA	1208
##	78864	N79402	256	228	-6	-2	IAH	SFO	1635
##	78867	N76515	62	38	2	2	IAH	SAT	191
##	78869	N75861	149	112	14	4	IAH	MCO	853
##	78871	N26208	169	135	1	0	IAH	DTW	1076
##	78873	N76515	215	189	-1	9	IAH	LAX	1379
##	78874	N36280	205	172	-6	-4	IAH	LAS	1222
##	78876	N75854	157	130	19	14	IAH	DEN	862
##	78884	N37267	51	32	-5	1	IAH	AUS	140
##	78886	N37267	238	222	-25	-4	IAH	SJC	1609
##	78887	N14639	156	133	-27	-8	IAH	PIT	1117
##	78891	N14629	76	48	7	-3	IAH	MSY	305
##	78893	N16649	139	111	-5	2	IAH	CLT	913
##	78902	N76516	196	181	-29	-2	IAH	SNA	1347
##	78908	N26208	59	35	-2	-1	IAH	SAT	191
##	78910	N16648	151	128	92	112	IAH	DTW	1076
##	78912	N75854	221	193	-8	-3	IAH	LAX	1379
##	78917	N38403	126	100	1	1	IAH	TPA	787
##	78918	N14704	214	190	-16	2	IAH	SNA	1347
##	78922	N32404	57	28	3	1	IAH	AUS	140
##	78924	N16617	63	29	6	-3	IAH	AUS	140
##	78925	N58606	147	126	-24	-5	IAH	CLE	1091
##	78927	N34222	170	135	25	12	IAH	ORD	925
##	78929	N37409	159	128	17	2	IAH	FLL	965
##	78933	N76517	224	194	-8	-1	IAH	LAX	1379
##	78936	N77525	162	140	-10	-2	IAH	DCA	1208
##	78938	N76516	144	117	9	-5	IAH	RSW	861
##	78940	N62631	129	101	-1	-4	IAH	MCI	643
##	78947	N37427	54	29	23	25	IAH	AUS	140
##	78949	N57439	128	107	26	35	IAH	MCO	853
##	78951	N16234	207	183	-6	2	IAH	SAN	1303
##	78952	N33203	138	116	-7	-2	IAH	MIA	964
##	78958	N14250	54	31	-5	-3	IAH	AUS	140
##	78964	N27213	78	58	-3	-1	IAH	MFE	316
##	78965	N62631	62	41	-8	-2	IAH	MSY	305
##	78967	N15712	213	186	60	74	IAH	SNA	1347
##	78968	N15710	181	156	-12	4	IAH	LGA	1416
##	78971	N33286	234	218	-18	3	IAH	SMF	1609
##	78973	N76254	136	118	-24	-7	IAH	ORD	925
##	78974	N14231	143	117	-7	-4	IAH	FLL	965

##	78978	N37287	123	104	-9	-1	IAH	RSW	861
##	78982	N16642	140	102	2	-5	IAH	ELP	667
##	78983	N12238	186	156	-5	1	IAH	PHL	1324
##	78986	N39297	65	41	-1	-1	IAH	SAT	191
##	78991	N19621	164	129	-16	-7	IAH	DTW	1076
##	78992	N37273	203	178	-10	7	IAH	SAN	1303
##	78996	N76504	224	194	-7	0	IAH	LAX	1379
##	79001	N16647	74	53	-10	-5	IAH	MFE	316
##	79005	N16617	100	62	8	-4	IAH	OKC	395
##	79007	N13248	239	220	-27	-5	IAH	SMF	1609
##	79008	N14613	149	120	-7	-6	IAH	ABQ	744
##	79009	N35260	200	183	-15	-2	IAH	SAN	1303
##	79012	N76265	208	186	-9	1	IAH	ONT	1334
##	79016	N75861	149	119	-8	-2	IAH	ORD	925
##	79017	N75436	143	122	26	29	IAH	FLL	965
##	79018	N62631	137	99	9	1	IAH	ATL	689
##	79022	N75432	278	261	-3	3	IAH	SEA	1874
##	79024	N37281	185	154	-6	2	IAH	PHL	1324
##	79026	N37274	60	36	2	3	IAH	SAT	191
##	79027	N17614	75	42	1	-2	IAH	DFW	224
##	79029	N73256	144	115	24	20	IAH	MIA	964
##	79032	N77867	207	185	18	38	IAH	LAX	1379
##	79041	N14731	210	187	-7	13	IAH	SNA	1347
##	79044	N78438	190	165	46	-2	IAH	PBI	956
##	79046	N35260	189	164	-22	-6	IAH	LGA	1416
##	79047	N17233	185	159	-11	0	IAH	PHL	1324
##	79048	N78506	157	126	-12	-3	IAH	CLE	1091
##	79051	N19638	167	124	7	-3	IAH	RDU	1043
##	79054	N87527	131	110	-7	-3	IAH	OMA	781
##	79058	N14231	141	112	0	-3	IAH	MCO	853
##	79060	N19623	166	146	-25	-9	IAH	HDN	986
##	79063	N16703	249	227	-11	1	IAH	SMF	1609
##	79068	N76064	501	464	135	139	IAH	HNL	3904
##	79073	N76505	80	47	12	1	IAH	MSY	305
##	79074	N27213	59	35	-1	0	IAH	SAT	191
##	79083	N14629	71	47	16	14	IAH	MSY	305
##	79085	N36207	52	30	0	1	IAH	AUS	140
##	79093	N33209	222	187	6	15	IAH	LAX	1379
##	79096	N19141	215	188	-12	-1	IAH	LAX	1379
##	79101	N75851	153	114	5	9	IAH	DEN	862
##	79102	N76156	190	154	-17	1	IAH	EWR	1400
##	79104	N19117	190	166	18	40	IAH	EWR	1400
##	79109	N12216	180	159	-21	-1	IAH	EWR	1400
##	79113	N76054	196	164	-12	2	IAH	EWR	1400
##	79119	N39416	59	41	-14	-5	IAH	MSY	305
##	79123	N14228	217	186	13	23	IAH	LAX	1379
##	79124	N75861	182	124	22	-2	IAH	ORD	925
##	79127	N26208	215	177	32	37	IAH	ONT	1334
##	79130	N24702	161	134	-8	1	IAH	DCA	1208
##	79135	N37408	261	228	-4	4	IAH	SFO	1635
##	79142	N35271	145	112	2	0	IAH	MIA	964
##	79147	N57864	204	174	0	2	IAH	LAS	1222
##	79149	N26226	155	121	-8	-1	IAH	DEN	862
##	79154	N53441	122	98	7	9	IAH	TPA	787

##	79157	N13718	271	250	-6	-1	IAH	PDX	1825
##	79158	N30401	192	161	-24	-2	IAH	EWR	1400
##	79160	N39416	239	210	-3	8	IAH	SJU	2007
##	79166	N57111	184	150	9	6	IAH	PHX	1009
##	79172	N17620	160	138	-24	-5	IAH	BWI	1235
##	79176	N73275	190	161	-22	-1	IAH	LGA	1416
##	79183	N24633	66	28	30	17	IAH	AUS	140
##	79185	N14613	161	129	-11	-3	IAH	CLE	1091
##	79188	N19623	174	118	56	41	IAH	RDU	1043
##	79195	N76515	174	134	4	1	IAH	DCA	1208
##	79199	N14242	277	259	-2	5	IAH	SEA	1874
##	79202	N38417	243	219	-1	21	IAH	SFO	1635
##	79203	N33203	165	119	18	8	IAH	DEN	862
##	79206	N33264	72	44	8	2	IAH	SAT	191
##	79207	N16701	228	178	7	0	IAH	BOS	1597
##	79214	N77430	208	171	-4	1	IAH	LAS	1222
##	79216	N73251	137	115	0	15	IAH	DEN	862
##	79221	N17244	270	251	-6	3	IAH	PDX	1825
##	79222	N56859	188	152	-14	7	IAH	EWR	1400
##	79226	N37413	171	144	11	21	IAH	PHX	1009
##	79228	N37274	81	47	10	-3	IAH	MSY	305
##	79230	N78509	155	139	-13	6	IAH	BWI	1235
##	79234	N77261	200	156	-11	-3	IAH	LGA	1416
##	79246	N37290	171	130	8	7	IAH	DCA	1208
##	79254	N37422	254	229	2	14	IAH	SFO	1635
##	79260	N73256	64	43	-1	-3	IAH	SAT	191
##	79262	N37277	217	178	-1	3	IAH	BOS	1597
##	79268	N77258	201	167	-8	-1	IAH	LAS	1222
##	79270	N18220	119	99	43	66	IAH	IND	845
##	79272	N73270	206	179	-9	-1	IAH	SAN	1303
##	79273	N37255	170	137	-7	-5	IAH	IAD	1190
##	79275	N33284	162	132	-11	-1	IAH	IAD	1190
##	79277	N67058	214	165	9	0	IAH	EWR	1400
##	79279	N73256	157	130	-16	-1	IAH	IAD	1190
##	79282	N87513	257	227	7	8	IAH	SJC	1609
##	79284	N37267	86	46	16	-1	IAH	MSY	305
##	79285	N36207	187	133	41	30	IAH	BWI	1235
##	79288	N25705	201	161	5	5	IAH	LGA	1416
##	79292	N58606	82	58	-6	-1	IAH	TUL	429
##	79293	N37287	149	112	0	10	IAH	ORD	925
##	79295	N14228	155	121	29	28	IAH	ORD	925
##	79300	N13248	159	138	-9	2	IAH	DCA	1208
##	79304	N75429	263	246	-11	6	IAH	SEA	1874
##	79310	N14214	62	35	5	9	IAH	SAT	191
##	79313	N76522	211	180	-9	4	IAH	BOS	1597
##	79318	N75858	200	169	-9	-1	IAH	LAS	1222
##	79320	N33262	144	117	-12	-1	IAH	DEN	862
##	79321	N14629	165	103	32	12	IAH	IND	845
##	79327	N75426	201	175	-4	0	IAH	EWR	1400
##	79328	N24202	73	58	-2	2	IAH	MFE	316
##	79334	N37420	165	146	-8	8	IAH	PHX	1009
##	79341	N36272	223	176	16	-2	IAH	LGA	1416
##	79342	N38403	156	124	-3	4	IAH	PIT	1117
##	79347	N71411	195	161	4	6	IAH	SLC	1195

##	79348	N16642	147	127	-21	-4	IAH	CLE	1091
##	79349	N76514	150	121	0	7	IAH	ORD	925
##	79359	N39728	174	130	3	0	IAH	DCA	1208
##	79361	N33209	232	190	23	21	IAH	SNA	1347
##	79367	N71411	266	228	58	52	IAH	SFO	1635
##	79372	N73259	204	176	-13	1	IAH	BOS	1597
##	79374	N19117	126	101	29	37	IAH	MCO	853
##	79380	N76265	185	159	1	26	IAH	LAS	1222
##	79382	N75854	146	115	-7	3	IAH	DEN	862
##	79384	N77295	167	120	14	3	IAH	DEN	862
##	79386	N14250	130	97	22	16	IAH	TPA	787
##	79389	N36247	164	131	13	20	IAH	MSP	1034
##	79393	N37287	72	45	5	0	IAH	MSY	305
##	79396	N14629	167	142	-17	-4	IAH	BWI	1235
##	79399	N37255	210	171	7	5	IAH	LGA	1416
##	79403	N33262	146	120	-11	5	IAH	CLE	1091
##	79408	N37263	182	130	51	38	IAH	DCA	1208
##	79411	N24729	164	137	-17	-4	IAH	EGE	935
##	79412	N77871	284	245	48	42	IAH	SEA	1874
##	79419	N14604	236	184	5	-4	IAH	BOS	1597
##	79422	N57868	144	107	16	5	IAH	MCO	853
##	79428	N79402	192	169	26	44	IAH	LAS	1222
##	79432	N23707	141	95	12	-4	IAH	TPA	787
##	79433	N37409	286	248	74	66	IAH	PDX	1825
##	79436	N14250	59	42	-5	2	IAH	MSY	305
##	79443	N24729	195	162	37	37	IAH	LGA	1416
##	79447	N75428	196	178	-9	7	IAH	SAN	1303
##	79448	N37420	214	174	9	12	IAH	SAN	1303
##	79449	N36207	60	29	12	8	IAH	AUS	140
##	79450	N27205	174	128	10	-1	IAH	CLE	1091
##	79451	N77510	153	123	-10	-3	IAH	ORD	925
##	79452	N76504	178	158	-19	3	IAH	SLC	1195
##	79454	N19638	124	82	-4	-5	IAH	ATL	689
##	79457	N77296	68	43	2	2	IAH	MSY	305
##	79458	N78438	269	251	-5	10	IAH	SEA	1874
##	79461	N33284	239	223	-4	18	IAH	SFO	1635
##	79462	N78506	263	225	-10	-3	IAH	SFO	1635
##	79463	N11206	199	156	11	3	IAH	PHL	1324
##	79468	N57869	139	106	4	-2	IAH	MCO	853
##	79470	N17614	161	136	-9	-3	IAH	DTW	1076
##	79472	N12218	226	186	20	22	IAH	LAX	1379
##	79475	N78866	141	119	-19	2	IAH	DEN	862
##	79480	N77014	226	161	24	3	IAH	EWR	1400
##	79485	N77295	164	142	-2	11	IAH	PHX	1009
##	79491	N17245	130	91	3	-3	IAH	TPA	787
##	79492	N17245	197	157	4	17	IAH	EWR	1400
##	79501	N35407	125	110	-22	5	IAH	ORD	925
##	79502	N37287	135	112	-13	-5	IAH	FLL	965
##	79506	N39726	160	134	28	43	IAH	DCA	1208
##	79509	N73406	269	225	36	27	IAH	SFO	1635
##	79512	N14214	58	37	-1	3	IAH	SAT	191
##	79514	N57855	141	102	22	20	IAH	MCO	853
##	79516	N76502	176	135	4	-4	IAH	DTW	1076
##	79518	N76502	217	189	2	10	IAH	LAX	1379

##	79519	N76529	226	178	19	0	IAH	LAS	1222
##	79521	N57857	155	121	6	3	IAH	DEN	862
##	79530	N73275	80	28	57	34	IAH	AUS	140
##	79532	N37263	262	232	3	0	IAH	SJC	1609
##	79533	N14639	165	126	-13	-3	IAH	PIT	1117
##	79537	N16617	68	45	6	4	IAH	MSY	305
##	79539	N19638	126	107	-22	-2	IAH	CLT	913
##	79545	N37281	154	112	5	-2	IAH	FLL	965
##	79549	N76516	206	185	-7	10	IAH	SNA	1347
##	79551	N16647	132	102	-2	9	IAH	RSW	861
##	79558	N73299	171	148	-19	2	IAH	PHL	1324
##	79560	N73276	56	34	-2	2	IAH	SAT	191
##	79562	N76517	179	126	24	16	IAH	DTW	1076
##	79565	N56859	230	182	6	2	IAH	LAX	1379
##	79567	N36444	226	171	20	6	IAH	LAS	1222
##	79568	N18243	193	130	32	9	IAH	DCA	1208
##	79572	N37408	114	93	0	12	IAH	TPA	787
##	79574	N16701	216	190	-14	2	IAH	SNA	1347
##	79579	N38403	53	27	5	7	IAH	AUS	140
##	79581	N32626	62	28	7	-1	IAH	AUS	140
##	79582	N17640	153	131	-16	-3	IAH	CLE	1091
##	79584	N36280	155	119	23	25	IAH	ORD	925
##	79586	N35407	136	109	-9	-1	IAH	FLL	965
##	79593	N76516	140	106	18	8	IAH	RSW	861
##	79595	N16632	125	86	21	22	IAH	MCI	643
##	79602	N53441	74	28	48	30	IAH	AUS	140
##	79604	N75436	127	108	-7	3	IAH	MCO	853
##	79606	N26215	198	176	13	30	IAH	SAN	1303
##	79607	N24202	147	108	8	4	IAH	MIA	964
##	79614	N24224	58	29	6	4	IAH	AUS	140
##	79615	N37427	219	184	-2	4	IAH	LAX	1379
##	79622	N75425	185	149	3	2	IAH	PHX	1009
##	79623	N15712	80	61	6	6	IAH	MFE	316
##	79624	N17719	57	40	-11	0	IAH	MSY	305
##	79626	N13718	205	183	-19	3	IAH	SNA	1347
##	79627	N14731	185	168	-12	0	IAH	LGA	1416
##	79630	N24633	107	58	54	25	IAH	MFE	316
##	79631	N18220	234	219	-9	12	IAH	SMF	1609
##	79633	N37409	170	133	49	32	IAH	ORD	925
##	79634	N11206	138	112	12	20	IAH	FLL	965
##	79638	N17244	135	98	25	21	IAH	RSW	861
##	79641	N16649	140	102	27	20	IAH	ELP	667
##	79642	N33289	186	149	9	15	IAH	PHL	1324
##	79645	N39728	83	43	14	-4	IAH	SAT	191
##	79650	N46625	189	129	16	0	IAH	DTW	1076
##	79651	N76503	226	194	13	7	IAH	SAN	1303
##	79652	N29717	145	112	-4	-1	IAH	MIA	964
##	79656	N35204	218	188	-10	3	IAH	LAX	1379
##	79661	N34222	77	54	58	60	IAH	MFE	316
##	79666	N17620	80	56	0	8	IAH	OKC	395
##	79668	N35271	248	221	-12	1	IAH	SMF	1609
##	79669	N16647	131	113	-20	-1	IAH	ABQ	744
##	79670	N37277	193	175	-5	15	IAH	SAN	1303
##	79672	N36247	201	185	-17	0	IAH	ONT	1334

##	79677	N79402	170	117	24	9	IAH	ORD	925
##	79678	N75425	160	115	32	18	IAH	FLL	965
##	79680	N16632	122	83	-5	2	IAH	ATL	689
##	79685	N73251	299	265	13	-2	IAH	SEA	1874
##	79688	N78501	194	158	9	8	IAH	PHL	1324
##	79691	N37273	64	40	14	11	IAH	SAT	191
##	79692	N14613	176	139	15	15	IAH	TUS	936
##	79695	N38727	77	41	7	2	IAH	DFW	224
##	79697	N76504	148	112	6	-2	IAH	MIA	964
##	79700	N57868	217	182	13	23	IAH	LAX	1379
##	79709	N54711	217	191	-15	-2	IAH	SNA	1347
##	79710	N19621	71	43	-1	-3	IAH	MSY	305
##	79713	N45440	145	111	4	1	IAH	PBI	956
##	79715	N76265	187	161	-21	-3	IAH	LGA	1416
##	79716	N14230	183	161	1	14	IAH	PHL	1324
##	79717	N27724	150	129	-7	9	IAH	CLE	1091
##	79721	N62631	164	118	32	25	IAH	RDU	1043
##	79724	N78506	135	105	4	4	IAH	OMA	781
##	79728	N27213	129	104	-2	7	IAH	MCO	853
##	79730	N58606	164	139	-20	-2	IAH	HDN	986
##	79733	N29717	243	214	5	23	IAH	SMF	1609
##	79738	N76065	489	466	-15	1	IAH	HNL	3904
##	79743	N12221	60	38	51	60	IAH	MSY	305
##	79744	N58606	66	43	1	-5	IAH	SAT	191
##	79754	N14653	58	42	-14	-3	IAH	MSY	305
##	79756	N14613	49	33	-9	-5	IAH	AUS	140
##	79762	N77518	229	190	3	5	IAH	LAX	1379
##	79765	N13113	234	188	6	-2	IAH	LAX	1379
##	79770	N57869	143	124	-6	8	IAH	DEN	862
##	79771	N76153	183	159	-24	1	IAH	EWR	1400
##	79773	N34131	197	155	4	19	IAH	EWR	1400
##	79777	N73278	194	165	3	1	IAH	EWR	1400
##	79781	N66051	188	164	-13	1	IAH	EWR	1400
##	79786	N13718	75	41	7	0	IAH	MSY	305
##	79790	N79279	213	189	2	16	IAH	LAX	1379
##	79792	N57864	137	111	-22	-1	IAH	ORD	925
##	79795	N13248	194	178	-27	-1	IAH	ONT	1334
##	79798	N16701	154	138	-9	7	IAH	DCA	1208
##	79803	N75410	237	215	-27	0	IAH	SFO	1635
##	79810	N33264	138	108	1	6	IAH	MIA	964
##	79815	N57863	193	169	-5	3	IAH	LAS	1222
##	79817	N14237	140	118	-25	-8	IAH	DEN	862
##	79820	N38424	120	95	-8	-4	IAH	TPA	787
##	79822	N21723	286	266	29	19	IAH	PDX	1825
##	79823	N72405	191	157	-22	1	IAH	EWR	1400
##	79825	N53441	237	213	13	21	IAH	SJU	2007
##	79830	N48127	170	145	-8	-2	IAH	PHX	1009
##	79835	N19638	167	139	-10	-3	IAH	BWI	1235
##	79839	N76517	184	161	-25	-3	IAH	LGA	1416
##	79845	N46625	68	30	11	-4	IAH	AUS	140
##	79847	N27610	156	126	-15	-2	IAH	CLE	1091
##	79850	N76503	142	115	-10	3	IAH	RDU	1043
##	79859	N73291	276	259	3	11	IAH	SEA	1874
##	79862	N36444	264	229	5	1	IAH	SFO	1635

## 79863	N37287	152	121	-2	1	IAH	DEN	862
## 79864	N76529	62	41	0	-1	IAH	SAT	191
## 79869	N75435	196	174	2	14	IAH	LAS	1222
## 79870	N76505	142	122	4	14	IAH	DEN	862
## 79874	N12221	273	255	-3	-2	IAH	PDX	1825
## 79875	N57870	177	154	-29	3	IAH	EWR	1400
## 79880	N53442	168	146	-14	-1	IAH	PHX	1009
## 79882	N33266	68	43	-6	-6	IAH	MSY	305
## 79884	N76522	156	136	-13	5	IAH	BWI	1235
## 79895	N15712	161	132	-2	-6	IAH	GUC	886
## 79898	N77261	156	137	-14	-5	IAH	DCA	1208
## 79905	N12216	254	231	-5	7	IAH	SFO	1635
## 79910	N19621	75	40	7	-6	IAH	SAT	191
## 79912	N73275	197	172	-17	2	IAH	BOS	1597
## 79918	N76504	205	178	0	3	IAH	LAS	1222
## 79920	N17619	130	99	-16	-1	IAH	IND	845
## 79922	N34282	204	181	-1	4	IAH	SAN	1303
## 79923	N37287	155	136	-16	1	IAH	IAD	1190
## 79925	N33209	161	142	-9	2	IAH	IAD	1190
## 79927	N69059	184	164	2	15	IAH	EWR	1400
## 79929	N76514	162	136	-11	-1	IAH	IAD	1190
## 79931	N78509	251	230	2	9	IAH	SJC	1609
## 79933	N11641	79	42	8	-2	IAH	MSY	305
## 79934	N14250	162	137	-3	11	IAH	BWI	1235
## 79937	N24702	178	158	-22	-4	IAH	LGA	1416
## 79941	N16732	90	64	12	9	IAH	TUL	429
## 79942	N39416	148	117	-9	2	IAH	ORD	925
## 79948	N76505	155	132	-5	10	IAH	DCA	1208
## 79952	N36444	271	255	2	11	IAH	SEA	1874
## 79958	N77261	54	33	-14	-2	IAH	SAT	191
## 79961	N87512	211	182	-14	-1	IAH	BOS	1597
## 79966	N77871	190	163	-11	2	IAH	LAS	1222
## 79968	N24202	142	120	-6	2	IAH	DEN	862
## 79969	N14653	134	101	-15	-4	IAH	IND	845
## 79973	N37422	185	164	-11	1	IAH	EWR	1400
## 79974	N23707	76	54	13	14	IAH	MFE	316
## 79977	N47414	177	149	-1	3	IAH	PHX	1009
## 79983	N37274	194	163	-7	4	IAH	LGA	1416
## 79984	N37408	153	127	0	10	IAH	PIT	1117
## 79988	N17245	192	168	0	0	IAH	SLC	1195
## 79989	N37253	146	128	-20	-7	IAH	CLE	1091
## 79990	N14231	146	115	-6	0	IAH	ORD	925
## 79999	N14731	167	130	-7	-3	IAH	DCA	1208
## 80004	N79402	244	223	-7	9	IAH	SFO	1635
## 80009	N24212	199	174	-19	0	IAH	BOS	1597
## 80010	N34131	123	100	-3	3	IAH	MCO	853
## 80016	N11206	191	166	-1	18	IAH	LAS	1222
## 80018	N57868	147	122	-12	-3	IAH	DEN	862
## 80020	N78506	146	122	-11	-1	IAH	DEN	862
## 80022	N76519	118	91	-10	-4	IAH	TPA	787
## 80025	N37281	162	133	8	17	IAH	MSP	1034
## 80029	N37263	65	43	-1	1	IAH	MSY	305
## 80033	N77258	199	166	-9	0	IAH	LGA	1416
## 80036	N76508	134	118	-29	-1	IAH	CLE	1091

##	80040	N33262	164	134	12	17	IAH	DCA	1208
##	80043	N17133	165	142	-9	-2	IAH	EGE	935
##	80044	N57855	273	255	3	8	IAH	SEA	1874
##	80047	N33203	249	226	5	24	IAH	SFO	1635
##	80052	N77295	211	175	-11	5	IAH	BOS	1597
##	80055	N77865	128	100	-4	-4	IAH	MCO	853
##	80060	N71411	195	173	-14	1	IAH	LAS	1222
##	80064	N35407	285	262	14	7	IAH	PDX	1825
##	80067	N77510	58	41	-3	0	IAH	MSY	305
##	80074	N37277	181	162	-10	4	IAH	LGA	1416
##	80077	N26226	207	181	12	17	IAH	SAN	1303
##	80078	N37427	202	181	2	12	IAH	SAN	1303
##	80079	N76519	50	28	-5	-4	IAH	AUS	140
##	80080	N23707	148	123	-16	-1	IAH	CLE	1091
##	80081	N37293	136	110	-16	8	IAH	ORD	925
##	80082	N12238	196	174	-7	-3	IAH	SLC	1195
##	80084	N16649	120	84	-10	-7	IAH	ATL	689
##	80085	N77520	208	193	5	22	IAH	SNA	1347
##	80089	N11206	56	41	-1	11	IAH	MSY	305
##	80090	N45440	291	269	16	9	IAH	SEA	1874
##	80093	N73256	246	228	-2	13	IAH	SFO	1635
##	80094	N35407	251	226	-20	-3	IAH	SFO	1635
##	80099	N75861	131	104	-3	-1	IAH	MCO	853
##	80101	N29717	151	128	-10	-3	IAH	DTW	1076
##	80104	N14228	216	191	-10	2	IAH	LAX	1379
##	80107	N56859	148	123	-10	-1	IAH	DEN	862
##	80109	N78004	190	162	-15	0	IAH	EWR	1400
##	80112	N37409	165	141	-5	7	IAH	PHX	1009
##	80119	N12225	121	94	0	-2	IAH	TPA	787
##	80120	N16648	182	153	-20	14	IAH	EWR	1400
##	80128	N75861	137	116	-13	2	IAH	ORD	925
##	80129	N37293	140	116	3	1	IAH	FLL	965
##	80133	N16709	146	134	-30	-6	IAH	DCA	1208
##	80136	N73406	264	227	5	1	IAH	SFO	1635
##	80139	N14250	64	42	10	8	IAH	SAT	191
##	80141	N56859	133	104	-9	-3	IAH	MCO	853
##	80143	N14214	155	131	-17	-4	IAH	DTW	1076
##	80145	N78285	210	188	-15	0	IAH	LAX	1379
##	80146	N14228	219	184	18	1	IAH	LAS	1222
##	80148	N76517	155	129	10	7	IAH	DEN	862
##	80157	N73270	51	31	-2	4	IAH	AUS	140
##	80160	N33264	255	233	-1	-2	IAH	SJC	1609
##	80161	N15712	149	125	-15	11	IAH	PIT	1117
##	80165	N37408	62	43	-5	-1	IAH	MSY	305
##	80172	N16703	133	110	38	47	IAH	FLL	965
##	80176	N76522	203	182	-21	-1	IAH	SNA	1347
##	80184	N19623	173	150	-21	-1	IAH	PHL	1324
##	80186	N73299	58	38	22	24	IAH	SAT	191
##	80188	N25705	157	129	-15	-1	IAH	DTW	1076
##	80191	N39416	221	189	-4	-4	IAH	LAX	1379
##	80193	N73278	216	178	6	2	IAH	LAS	1222
##	80197	N75410	114	90	-8	4	IAH	TPA	787
##	80199	N54711	222	194	-3	7	IAH	SNA	1347
##	80205	N16648	54	29	-2	-2	IAH	AUS	140

##	80206	N17627	147	126	-12	0	IAH	CLE	1091
##	80208	N12225	130	113	-29	-2	IAH	ORD	925
##	80210	N30401	134	108	-8	2	IAH	FLL	965
##	80213	N77520	49	30	-7	0	IAH	AUS	140
##	80216	N79521	116	98	-6	8	IAH	RSW	861
##	80218	N17620	127	96	-3	-4	IAH	MCI	643
##	80225	N75426	50	30	-6	-5	IAH	AUS	140
##	80227	N75425	128	98	16	25	IAH	MCO	853
##	80229	N75432	195	178	-17	3	IAH	SAN	1303
##	80230	N79279	140	119	-5	-2	IAH	MIA	964
##	80237	N33292	170	139	0	0	IAH	DCA	1208
##	80238	N75426	216	193	0	9	IAH	LAX	1379
##	80245	N39415	175	149	-3	1	IAH	PHX	1009
##	80246	N11641	88	56	6	-2	IAH	MFE	316
##	80247	N37408	63	42	-3	-3	IAH	MSY	305
##	80249	N39728	201	188	-27	-1	IAH	SNA	1347
##	80250	N24729	188	165	-1	8	IAH	LGA	1416
##	80254	N24202	272	240	22	5	IAH	SMF	1609
##	80256	N79402	136	118	-8	4	IAH	ORD	925
##	80257	N73259	139	110	6	13	IAH	FLL	965
##	80261	N14231	119	97	-8	4	IAH	RSW	861
##	80264	N14242	120	98	-16	-3	IAH	ELP	667
##	80265	N38417	183	156	1	10	IAH	PHL	1324
##	80267	N16642	58	41	-8	-6	IAH	SAT	191
##	80272	N16647	168	131	-9	-4	IAH	DTW	1076
##	80273	N27421	194	174	-10	16	IAH	SAN	1303
##	80274	N54241	128	109	-4	11	IAH	MIA	964
##	80278	N26210	231	198	0	0	IAH	LAX	1379
##	80283	N17245	82	57	6	3	IAH	MFE	316
##	80287	N14613	107	62	34	15	IAH	OKC	395
##	80289	N19621	138	115	-12	0	IAH	ABQ	744
##	80291	N37419	201	178	-6	6	IAH	SAN	1303
##	80293	N37277	194	181	-28	-5	IAH	ONT	1334
##	80296	N30401	55	29	1	1	IAH	AUS	140
##	80298	N53442	148	118	-3	-1	IAH	ORD	925
##	80299	N75429	127	112	-22	-3	IAH	FLL	965
##	80301	N16649	128	94	-4	-3	IAH	ATL	689
##	80306	N13248	274	255	3	8	IAH	SEA	1874
##	80309	N26208	178	150	-7	8	IAH	PHL	1324
##	80312	N37267	57	36	20	24	IAH	SAT	191
##	80313	N16647	171	139	-1	-1	IAH	TUS	936
##	80316	N59630	94	42	18	-4	IAH	DFW	224
##	80318	N12238	140	107	2	2	IAH	MIA	964
##	80321	N77865	224	190	3	6	IAH	LAX	1379
##	80330	N23708	212	193	-21	-3	IAH	SNA	1347
##	80331	N16648	67	43	-3	-6	IAH	MSY	305
##	80334	N39415	131	106	-16	-5	IAH	PBI	956
##	80336	N35271	189	165	-11	0	IAH	LGA	1416
##	80337	N73299	174	155	-16	6	IAH	PHL	1324
##	80338	N37437	143	120	-21	2	IAH	CLE	1091
##	80342	N32626	150	119	13	20	IAH	RDU	1043
##	80345	N37427	129	108	-2	4	IAH	OMA	781
##	80350	N27610	144	108	2	-6	IAH	MCO	853
##	80352	N76503	164	141	-11	-1	IAH	HDN	986

##	80355	N16709	252	229	-8	1	IAH	SMF	1609
##	80360	N69063	478	465	-10	17	IAH	HNL	3904
##	80365	N17627	62	41	-3	-1	IAH	MSY	305
##	80374	N77261	62	43	-2	-2	IAH	MSY	305
##	80376	N37274	50	30	3	1	IAH	AUS	140
##	80384	N17139	209	186	-13	-1	IAH	LAX	1379
##	80389	N75432	160	129	26	18	IAH	DEN	862
##	80390	N68159	183	165	-10	7	IAH	EWR	1400
##	80392	N17126	188	162	9	25	IAH	EWR	1400
##	80397	N78866	194	159	4	2	IAH	EWR	1400
##	80400	N67052	216	181	17	3	IAH	EWR	1400
##	80406	N12221	218	196	33	42	IAH	LAX	1379
##	80408	N57862	155	132	5	3	IAH	ORD	925
##	80411	N26210	224	192	16	12	IAH	ONT	1334
##	80417	N32404	265	240	2	1	IAH	SFO	1635
##	80423	N37281	130	107	3	11	IAH	MIA	964
##	80429	N37427	209	186	49	42	IAH	LAS	1222
##	80431	N37298	157	134	-9	-9	IAH	DEN	862
##	80434	N14629	120	91	-7	-5	IAH	TPA	787
##	80436	N27733	271	255	-2	-2	IAH	PDX	1825
##	80437	N72405	189	163	-16	1	IAH	EWR	1400
##	80439	N53441	229	211	-17	-1	IAH	SJU	2007
##	80441	N19136	164	143	11	23	IAH	PHX	1009
##	80445	N14653	183	164	15	6	IAH	BWI	1235
##	80451	N87512	48	28	18	18	IAH	AUS	140
##	80452	N19621	165	136	2	-5	IAH	CLE	1091
##	80455	N73259	144	124	0	6	IAH	RDU	1043
##	80457	N79521	159	140	-10	-3	IAH	DCA	1208
##	80461	N33289	286	270	12	5	IAH	SEA	1874
##	80464	N18243	265	244	1	-4	IAH	SFO	1635
##	80465	N37298	156	128	7	2	IAH	DEN	862
##	80468	N16617	66	40	0	-5	IAH	SAT	191
##	80469	N73276	210	187	-7	-1	IAH	BOS	1597
##	80475	N24224	195	177	-14	-1	IAH	LAS	1222
##	80476	N77261	144	121	-3	0	IAH	DEN	862
##	80480	N37281	279	263	13	8	IAH	PDX	1825
##	80481	N74856	185	158	12	28	IAH	EWR	1400
##	80486	N77431	171	150	10	15	IAH	PHX	1009
##	80488	N33266	62	42	3	4	IAH	MSY	305
##	80490	N14613	168	146	-7	-2	IAH	BWI	1235
##	80494	N17244	180	160	-25	-2	IAH	LGA	1416
##	80499	N25705	NA	NA	NA	10	IAH	GUC	886
##	80502	N15710	154	138	-10	-2	IAH	DCA	1208
##	80509	N17233	253	234	-2	6	IAH	SFO	1635
##	80513	N17640	60	40	-3	-6	IAH	SAT	191
##	80514	N37267	217	188	2	1	IAH	BOS	1597
##	80519	N33203	209	182	15	12	IAH	LAS	1222
##	80522	N78506	161	142	-7	4	IAH	IAD	1190
##	80523	N68061	183	159	-15	-1	IAH	EWR	1400
##	80525	N33209	165	146	-8	-1	IAH	IAD	1190
##	80528	N87512	243	226	-8	2	IAH	SJC	1609
##	80530	N77510	68	43	-3	-7	IAH	MSY	305
##	80531	N76508	169	147	0	2	IAH	BWI	1235
##	80533	N27733	192	170	-7	1	IAH	LGA	1416

##	80537	N57863	141	118	7	20	IAH	ORD	925
##	80539	N77296	156	133	14	8	IAH	ORD	925
##	80543	N76517	167	143	-1	-3	IAH	DCA	1208
##	80546	N47414	278	261	8	5	IAH	SEA	1874
##	80552	N37277	67	39	9	3	IAH	SAT	191
##	80553	N76515	207	186	-11	1	IAH	BOS	1597
##	80557	N57852	198	173	-4	1	IAH	LAS	1222
##	80559	N76508	160	132	18	8	IAH	DEN	862
##	80560	N16642	140	110	-6	-6	IAH	IND	845
##	80564	N76505	189	162	-8	0	IAH	EWR	1400
##	80565	N27239	75	52	0	-3	IAH	MFE	316
##	80568	N79402	164	147	-9	3	IAH	PHX	1009
##	80575	N36272	189	163	-14	-3	IAH	LGA	1416
##	80576	N75435	162	139	6	2	IAH	PIT	1117
##	80579	N79402	198	179	8	2	IAH	SLC	1195
##	80580	N24729	167	144	4	0	IAH	CLE	1091
##	80581	N78524	164	144	19	7	IAH	ORD	925
##	80589	N15712	162	146	-7	-3	IAH	DCA	1208
##	80591	N29717	221	196	-6	-2	IAH	SNA	1347
##	80595	N73406	260	230	14	9	IAH	SFO	1635
##	80598	N26208	203	183	-10	0	IAH	BOS	1597
##	80599	N17126	119	96	-8	2	IAH	MCO	853
##	80604	N37293	200	181	-13	-8	IAH	LAS	1222
##	80606	N56859	151	133	2	2	IAH	DEN	862
##	80608	N77296	174	142	33	11	IAH	DEN	862
##	80610	N37434	111	91	-9	-1	IAH	TPA	787
##	80613	N12225	164	141	0	2	IAH	MSP	1034
##	80615	N19623	171	139	-4	0	IAH	BWI	1235
##	80618	N16703	184	164	-21	-2	IAH	LGA	1416
##	80623	N27724	149	129	10	16	IAH	CLE	1091
##	80627	N16732	151	134	-8	5	IAH	DCA	1208
##	80630	N17133	171	147	3	4	IAH	EGE	935
##	80631	N75861	295	267	42	20	IAH	SEA	1874
##	80636	N14250	211	188	-15	-4	IAH	BOS	1597
##	80638	N77430	127	95	-2	-1	IAH	MCO	853
##	80644	N33286	199	178	0	6	IAH	LAS	1222
##	80648	N27724	121	93	-2	-3	IAH	TPA	787
##	80649	N30401	260	242	16	29	IAH	PDX	1825
##	80654	N14250	72	45	11	0	IAH	MSY	305
##	80661	N73275	196	181	1	-5	IAH	LGA	1416
##	80665	N78285	200	185	-6	1	IAH	SAN	1303
##	80666	N36444	205	183	-5	2	IAH	SAN	1303
##	80667	N37274	50	30	-2	-1	IAH	AUS	140
##	80668	N33714	163	136	5	-2	IAH	CLE	1091
##	80669	N37419	153	131	-3	-1	IAH	ORD	925
##	80670	N21723	183	166	-15	-3	IAH	SLC	1195
##	80672	N14231	107	84	-15	-5	IAH	ATL	689
##	80675	N35204	58	44	-6	-1	IAH	MSY	305
##	80676	N75426	273	258	-8	-2	IAH	SEA	1874
##	80679	N78506	264	237	8	0	IAH	SFO	1635
##	80680	N54241	263	228	17	22	IAH	SFO	1635
##	80684	N57864	125	98	-5	-2	IAH	MCO	853
##	80686	N16642	176	148	74	60	IAH	DTW	1076
##	80687	N37273	203	186	-23	-3	IAH	LAX	1379

##	80689	N57868	147	120	9	19	IAH	DEN	862
##	80691	N37018	185	159	-13	-1	IAH	EWR	1400
##	80698	N24702	107	89	-16	-4	IAH	TPA	787
##	80699	N13750	189	161	-15	-2	IAH	EWR	1400
##	80708	N12216	134	115	-4	0	IAH	FLL	965
##	80714	N53442	248	231	-4	3	IAH	SFO	1635
##	80716	N14604	56	37	-4	-3	IAH	SAT	191
##	80718	N77871	123	96	86	97	IAH	MCO	853
##	80720	N16648	175	152	5	-3	IAH	DTW	1076
##	80722	N35204	228	195	17	10	IAH	LAX	1379
##	80723	N38727	208	185	4	-2	IAH	LAS	1222
##	80731	N73270	58	31	6	0	IAH	AUS	140
##	80733	N33264	253	229	-2	-1	IAH	SJC	1609
##	80734	N14604	167	138	0	3	IAH	PIT	1117
##	80738	N77258	62	42	-3	-4	IAH	MSY	305
##	80740	N16647	135	113	-9	-3	IAH	CLT	913
##	80745	N76502	146	118	7	3	IAH	FLL	965
##	80748	N16649	135	108	-7	-4	IAH	RSW	861
##	80754	N16732	183	161	3	7	IAH	PHL	1324
##	80756	N75435	56	37	0	-1	IAH	SAT	191
##	80760	N74856	224	196	1	-2	IAH	LAX	1379
##	80763	N32404	113	87	-8	0	IAH	TPA	787
##	80768	N17614	51	29	-1	-3	IAH	AUS	140
##	80769	N19638	157	139	-5	-3	IAH	CLE	1091
##	80771	N54241	134	120	-19	0	IAH	ORD	925
##	80773	N75410	141	115	4	2	IAH	FLL	965
##	80777	N14242	123	102	-10	-5	IAH	RSW	861
##	80779	N19638	120	97	-1	0	IAH	MCI	643
##	80786	N14242	64	29	7	-6	IAH	AUS	140
##	80788	N39415	127	101	-5	0	IAH	MCO	853
##	80790	N12216	194	177	-14	2	IAH	SAN	1303
##	80791	N12221	153	118	7	-3	IAH	MIA	964
##	80799	N24702	47	29	-9	-5	IAH	AUS	140
##	80800	N47414	220	194	18	18	IAH	LAX	1379
##	80807	N37437	166	146	-13	0	IAH	PHX	1009
##	80808	N27610	70	50	-10	-5	IAH	MFE	316
##	80809	N76515	59	45	-11	-7	IAH	MSY	305
##	80812	N39728	249	233	-3	-2	IAH	SMF	1609
##	80814	N75432	158	137	8	-2	IAH	ORD	925
##	80815	N76503	54	30	5	1	IAH	AUS	140
##	80816	N76529	139	112	-4	-2	IAH	FLL	965
##	80819	N78524	116	98	2	12	IAH	RSW	861
##	80821	N16649	133	100	-1	-6	IAH	ELP	667
##	80824	N16648	62	35	-3	-5	IAH	SAT	191
##	80827	N78501	206	184	-9	0	IAH	SAN	1303
##	80828	N26210	150	116	8	1	IAH	MIA	964
##	80831	N76265	212	188	30	44	IAH	LAX	1379
##	80835	N17245	73	54	-1	0	IAH	MFE	316
##	80839	N27610	84	63	3	2	IAH	OKC	395
##	80841	N33262	255	235	-4	-3	IAH	SMF	1609
##	80842	N19623	130	112	-17	-2	IAH	ABQ	744
##	80844	N14219	194	178	-21	-7	IAH	SAN	1303
##	80845	N33284	55	40	-4	-4	IAH	SAT	191
##	80846	N14219	167	144	-6	-4	IAH	MTJ	926

##	80849	N73275	206	190	-10	1	IAH	ONT	1334
##	80852	N77431	166	148	15	-1	IAH	ORD	925
##	80853	N77430	141	112	6	6	IAH	FLL	965
##	80857	N76504	309	274	29	-1	IAH	SEA	1874
##	80860	N24212	177	154	-13	-2	IAH	PHL	1324
##	80863	N23721	55	39	1	2	IAH	SAT	191
##	80864	N17620	177	138	2	-4	IAH	TUS	936
##	80866	N16617	71	49	3	-1	IAH	DFW	224
##	80867	N37293	131	109	-13	-4	IAH	MIA	964
##	80870	N57869	227	196	14	9	IAH	LAX	1379
##	80877	N23708	208	190	-23	-6	IAH	SNA	1347
##	80878	N17614	75	45	6	-5	IAH	MSY	305
##	80881	N37437	129	109	-10	-2	IAH	PBI	956
##	80883	N77295	184	167	4	11	IAH	PHL	1324
##	80886	N39728	143	120	-12	-7	IAH	RDU	1043
##	80889	N34282	138	109	3	-2	IAH	OMA	781
##	80894	N23721	127	98	-9	-3	IAH	MCO	853
##	80896	N26208	174	155	3	3	IAH	HDN	986
##	80899	N79279	249	225	-5	2	IAH	SMF	1609
##	80903	N76065	486	461	-16	3	IAH	HNL	3904
##	80908	N26208	55	40	-10	4	IAH	MSY	305
##	80909	N12221	65	39	2	-3	IAH	SAT	191
##	80919	N17640	58	40	-3	8	IAH	MSY	305
##	80921	N73299	55	32	1	-1	IAH	AUS	140
##	80929	N77520	222	188	-9	0	IAH	LAX	1379
##	80932	N29124	220	196	-4	-3	IAH	LAX	1379
##	80937	N37427	165	133	23	15	IAH	DEN	862
##	80938	N58101	224	199	77	61	IAH	EWR	1400
##	80940	N17139	172	152	5	45	IAH	EWR	1400
##	80946	N76254	185	161	-16	-1	IAH	EWR	1400
##	80949	N69059	209	166	5	6	IAH	EWR	1400
##	80958	N17244	210	191	-16	1	IAH	LAX	1379
##	80960	N75861	154	129	-5	-1	IAH	ORD	925
##	80963	N78285	222	191	2	0	IAH	ONT	1334
##	80966	N16713	159	140	-11	0	IAH	DCA	1208
##	80971	N30401	254	230	-10	5	IAH	SFO	1635
##	80978	N37274	146	108	3	0	IAH	MIA	964
##	80984	N75851	203	174	1	4	IAH	LAS	1222
##	80986	N39297	162	129	-1	-1	IAH	DEN	862
##	80991	N36444	127	97	5	2	IAH	TPA	787
##	80994	N24715	292	273	12	-4	IAH	PDX	1825
##	80995	N33203	210	154	0	4	IAH	EWR	1400
##	80997	N45440	242	218	-6	2	IAH	SJU	2007
##	81003	N13113	182	148	3	2	IAH	PHX	1009
##	81009	N14613	173	148	7	13	IAH	BWI	1235
##	81013	N37277	189	164	-22	0	IAH	LGA	1416
##	81020	N14639	61	28	4	-4	IAH	AUS	140
##	81022	N17620	168	133	-3	-2	IAH	CLE	1091
##	81025	N17619	146	120	-6	7	IAH	RDU	1043
##	81032	N87512	155	137	-10	6	IAH	DCA	1208
##	81036	N39415	292	268	9	1	IAH	SEA	1874
##	81039	N37434	256	241	-6	3	IAH	SFO	1635
##	81040	N33289	161	128	12	6	IAH	DEN	862
##	81043	N37273	62	38	-2	2	IAH	SAT	191

##	81044	N33266	232	205	10	-1	IAH	BOS	1597
##	81051	N78438	214	184	-1	-2	IAH	LAS	1222
##	81053	N37255	147	128	-1	4	IAH	DEN	862
##	81058	N76508	293	263	19	5	IAH	PDX	1825
##	81059	N77867	203	156	-4	2	IAH	EWR	1400
##	81064	N39418	172	151	0	9	IAH	PHX	1009
##	81066	N76503	65	44	-7	-4	IAH	MSY	305
##	81068	N76515	166	142	-4	4	IAH	BWI	1235
##	81072	N76269	188	169	-21	-1	IAH	LGA	1416
##	81084	N15710	154	138	-20	-4	IAH	DCA	1208
##	81092	N17233	244	226	-14	8	IAH	SFO	1635
##	81098	N11641	65	38	6	3	IAH	SAT	191
##	81100	N35271	212	189	-8	1	IAH	BOS	1597
##	81106	N26226	202	176	-1	8	IAH	LAS	1222
##	81108	N36247	134	108	-10	-2	IAH	IND	845
##	81110	N33264	208	188	-5	1	IAH	SAN	1303
##	81111	N14629	170	142	-8	-6	IAH	IAD	1190
##	81113	N54241	172	141	-1	-1	IAH	IAD	1190
##	81115	N67058	181	159	-27	-3	IAH	EWR	1400
##	81117	N14237	163	142	-12	-3	IAH	IAD	1190
##	81120	N37293	248	224	7	17	IAH	SJC	1609
##	81122	N37267	60	40	-8	1	IAH	MSY	305
##	81123	N77258	172	136	4	8	IAH	BWI	1235
##	81126	N14731	198	174	3	6	IAH	LGA	1416
##	81130	N24633	93	68	2	-4	IAH	TUL	429
##	81131	N57862	139	118	28	48	IAH	ORD	925
##	81133	N37252	147	125	-12	-5	IAH	ORD	925
##	81138	N77296	163	144	-9	-2	IAH	DCA	1208
##	81142	N37434	286	270	4	-2	IAH	SEA	1874
##	81148	N73276	62	38	-3	1	IAH	SAT	191
##	81151	N77525	222	198	3	5	IAH	BOS	1597
##	81156	N75853	208	175	2	2	IAH	LAS	1222
##	81158	N37274	156	126	4	3	IAH	DEN	862
##	81159	N73299	132	99	-15	-2	IAH	IND	845
##	81165	N75429	178	158	-29	-2	IAH	EWR	1400
##	81166	N76502	74	51	1	4	IAH	MFE	316
##	81172	N75428	173	149	-8	0	IAH	PHX	1009
##	81179	N73270	199	172	50	56	IAH	LGA	1416
##	81180	N77430	158	130	-5	0	IAH	PIT	1117
##	81185	N53442	199	182	12	10	IAH	SLC	1195
##	81186	N16632	171	140	1	-6	IAH	CLE	1091
##	81187	N38257	143	118	-10	4	IAH	ORD	925
##	81197	N29717	158	141	-14	-1	IAH	DCA	1208
##	81204	N53442	245	231	-16	-1	IAH	SFO	1635
##	81209	N38257	199	178	-16	3	IAH	BOS	1597
##	81211	N17139	124	96	-3	7	IAH	MCO	853
##	81217	N78506	215	179	13	8	IAH	LAS	1222
##	81219	N78866	148	126	2	10	IAH	DEN	862
##	81221	N37252	153	128	-4	-1	IAH	DEN	862
##	81223	N24224	123	95	34	35	IAH	TPA	787
##	81226	N14219	165	140	27	33	IAH	MSP	1034
##	81230	N37267	57	41	2	12	IAH	MSY	305
##	81233	N33714	169	144	-8	-2	IAH	BWI	1235
##	81236	N37273	212	193	140	136	IAH	LGA	1416

##	81240	N76516	148	125	-6	8	IAH	CLE	1091
##	81245	N15710	158	136	-10	1	IAH	DCA	1208
##	81248	N33132	171	150	-4	2	IAH	EGE	935
##	81249	N75854	315	288	48	11	IAH	SEA	1874
##	81252	N47414	249	222	2	21	IAH	SFO	1635
##	81257	N24212	223	200	-3	1	IAH	BOS	1597
##	81260	N37427	132	98	0	1	IAH	MCO	853
##	81266	N37409	202	178	86	94	IAH	LAS	1222
##	81270	N24702	117	92	-7	1	IAH	TPA	787
##	81271	N75410	311	281	33	0	IAH	PDX	1825
##	81274	N29717	60	42	-6	0	IAH	MSY	305
##	81281	N37277	217	186	49	27	IAH	LGA	1416
##	81285	N34282	189	172	-14	9	IAH	SAN	1303
##	81286	N47414	197	175	-16	4	IAH	SAN	1303
##	81287	N12221	56	28	4	4	IAH	AUS	140
##	81288	N26210	167	136	2	-2	IAH	CLE	1091
##	81289	N87527	148	122	-4	8	IAH	ORD	925
##	81290	N25705	192	179	6	14	IAH	SLC	1195
##	81292	N17640	137	88	5	-9	IAH	ATL	689
##	81293	N76516	203	184	-16	11	IAH	SNA	1347
##	81297	N78285	55	40	-11	2	IAH	MSY	305
##	81298	N39416	306	282	25	3	IAH	SEA	1874
##	81301	N33286	252	234	-11	-2	IAH	SFO	1635
##	81302	N14219	257	227	-15	-2	IAH	SFO	1635
##	81303	N24212	173	152	-22	-4	IAH	PHL	1324
##	81308	N74856	127	101	-9	-3	IAH	MCO	853
##	81310	N16649	159	136	-11	-3	IAH	DTW	1076
##	81313	N76504	220	195	22	30	IAH	LAX	1379
##	81316	N57852	152	125	-6	4	IAH	DEN	862
##	81322	N78009	216	186	32	21	IAH	EWR	1400
##	81326	N73406	173	151	17	21	IAH	PHX	1009
##	81332	N37298	119	91	-10	-5	IAH	TPA	787
##	81333	N16709	193	165	-10	7	IAH	EWR	1400
##	81342	N77430	141	121	-14	-3	IAH	ORD	925
##	81343	N17244	136	114	-8	-1	IAH	FLL	965
##	81347	N24729	165	144	-4	6	IAH	DCA	1208
##	81350	N72405	262	233	5	3	IAH	SFO	1635
##	81353	N17619	55	42	30	37	IAH	SAT	191
##	81355	N57852	128	99	-12	-1	IAH	MCO	853
##	81357	N79279	170	137	-3	-5	IAH	DTW	1076
##	81359	N37252	218	194	0	7	IAH	LAX	1379
##	81360	N78285	191	171	6	22	IAH	LAS	1222
##	81362	N73283	157	133	5	0	IAH	DEN	862
##	81371	N73275	61	32	11	7	IAH	AUS	140
##	81373	N77520	248	224	-11	0	IAH	SJC	1609
##	81374	N17627	192	137	19	2	IAH	PIT	1117
##	81378	N37281	52	40	53	67	IAH	MSY	305
##	81380	N17627	132	111	-15	-1	IAH	CLT	913
##	81386	N35204	201	173	54	0	IAH	FLL	965
##	81390	N76517	210	189	-7	6	IAH	SNA	1347
##	81392	N16642	126	104	-22	-5	IAH	RSW	861
##	81399	N73259	178	163	-4	10	IAH	PHL	1324
##	81401	N36247	61	38	10	9	IAH	SAT	191
##	81403	N15712	165	128	-8	-2	IAH	DTW	1076

##	81406	N77867	226	183	-1	-1	IAH	LAX	1379
##	81408	N79402	201	174	-13	-2	IAH	LAS	1222
##	81412	N38403	123	89	37	40	IAH	TPA	787
##	81414	N39726	218	193	-7	7	IAH	SNA	1347
##	81419	N77431	59	32	5	1	IAH	AUS	140
##	81421	N16647	53	29	-6	-5	IAH	AUS	140
##	81422	N62631	170	140	5	1	IAH	CLE	1091
##	81424	N37298	147	117	5	15	IAH	ORD	925
##	81426	N73406	135	115	-3	6	IAH	FLL	965
##	81430	N76519	159	140	-2	9	IAH	DCA	1208
##	81434	N76517	122	105	-12	-4	IAH	RSW	861
##	81436	N17614	130	100	17	13	IAH	MCI	643
##	81443	N24715	59	31	-1	-4	IAH	AUS	140
##	81445	N78524	123	97	-4	10	IAH	MCO	853
##	81447	N33209	193	175	-14	8	IAH	SAN	1303
##	81448	N17233	138	111	-2	3	IAH	MIA	964
##	81456	N14250	54	31	4	6	IAH	AUS	140
##	81457	N34222	226	191	3	2	IAH	LAX	1379
##	81464	N75436	164	144	-20	0	IAH	PHX	1009
##	81465	N24633	85	58	4	-1	IAH	MFE	316
##	81466	N26215	60	43	-10	-2	IAH	MSY	305
##	81468	N24715	195	180	-21	11	IAH	SNA	1347
##	81469	N19638	221	190	112	94	IAH	LGA	1416
##	81472	N17614	98	58	17	-3	IAH	MFE	316
##	81473	N12216	249	231	-4	2	IAH	SMF	1609
##	81475	N75410	144	121	-10	-1	IAH	ORD	925
##	81476	N12225	141	115	-6	-1	IAH	FLL	965
##	81480	N73259	128	94	-4	-1	IAH	RSW	861
##	81483	N11641	140	114	-1	-8	IAH	ELP	667
##	81484	N37437	179	154	-7	6	IAH	PHL	1324
##	81487	N11641	48	35	2	19	IAH	SAT	191
##	81492	N16617	177	135	-3	-7	IAH	DTW	1076
##	81493	N14230	190	175	15	45	IAH	SAN	1303
##	81494	N14230	147	117	6	7	IAH	MIA	964
##	81498	N26215	216	192	-13	2	IAH	LAX	1379
##	81503	N24729	69	53	-11	-1	IAH	MFE	316
##	81508	N16648	89	66	-3	-4	IAH	OKC	395
##	81510	N38417	256	230	-8	-3	IAH	SMF	1609
##	81511	N16642	152	122	-5	-7	IAH	ABQ	744
##	81512	N34222	199	183	-13	1	IAH	SAN	1303
##	81514	N77510	198	177	-21	3	IAH	ONT	1334
##	81519	N79402	138	122	28	45	IAH	ORD	925
##	81520	N12218	141	108	0	5	IAH	FLL	965
##	81522	N17614	118	84	-4	7	IAH	ATL	689
##	81527	N37281	318	290	32	-2	IAH	SEA	1874
##	81530	N38417	178	147	-16	-1	IAH	PHL	1324
##	81533	N33262	58	39	13	16	IAH	SAT	191
##	81534	N12225	158	131	-18	0	IAH	TUS	936
##	81537	N14645	73	46	2	1	IAH	DFW	224
##	81539	N33286	133	112	-2	5	IAH	MIA	964
##	81542	N75858	217	186	0	10	IAH	LAX	1379
##	81551	N23708	225	193	0	5	IAH	SNA	1347
##	81552	N14645	60	41	-15	-6	IAH	MSY	305
##	81555	N75436	145	108	2	-1	IAH	PBI	956

##	81557	N36272	215	182	7	-3	IAH	LGA	1416
##	81558	N14242	181	163	-11	4	IAH	PHL	1324
##	81559	N27722	164	137	0	2	IAH	CLE	1091
##	81563	N19623	145	118	-16	-4	IAH	RDU	1043
##	81566	N73291	139	114	1	-3	IAH	OMA	781
##	81571	N76504	122	98	-12	4	IAH	MCO	853
##	81573	N19638	182	158	-7	-7	IAH	HDN	986
##	81576	N33266	254	229	6	13	IAH	SMF	1609
##	81581	N77066	485	469	-7	13	IAH	HNL	3904
##	81586	N24212	92	44	33	10	IAH	MSY	305
##	81587	N78285	96	38	41	5	IAH	SAT	191
##	81597	N14613	77	44	49	41	IAH	MSY	305
##	81599	N76529	58	31	4	-1	IAH	AUS	140
##	81607	N36207	222	182	34	43	IAH	LAX	1379
##	81610	N19130	213	186	-13	0	IAH	LAX	1379
##	81615	N74856	152	126	775	780	IAH	DEN	862
##	81616	N14115	199	163	4	13	IAH	EWR	1400
##	81618	N18119	188	158	50	74	IAH	EWR	1400
##	81624	N27239	178	152	-22	0	IAH	EWR	1400
##	81628	N76062	199	167	-14	-3	IAH	EWR	1400
##	81634	N34222	67	47	6	7	IAH	MSY	305
##	81638	N77258	239	181	23	11	IAH	LAX	1379
##	81640	N75861	190	118	38	6	IAH	ORD	925
##	81643	N34282	212	188	-7	1	IAH	ONT	1334
##	81646	N16709	173	127	2	-1	IAH	DCA	1208
##	81651	N37408	242	222	-31	-4	IAH	SFO	1635
##	81658	N37273	155	109	15	3	IAH	MIA	964
##	81664	N77871	203	167	8	11	IAH	LAS	1222
##	81666	N37298	150	120	-14	-2	IAH	DEN	862
##	81671	N75432	142	95	24	6	IAH	TPA	787
##	81674	N24706	296	269	19	-1	IAH	PDX	1825
##	81675	N38424	191	160	-14	9	IAH	EWR	1400
##	81677	N75429	235	212	-9	6	IAH	SJU	2007
##	81683	N12109	165	145	47	63	IAH	PHX	1009
##	81689	N17614	157	137	-28	-6	IAH	BWI	1235
##	81693	N73275	180	161	-35	-4	IAH	LGA	1416
##	81700	N27610	77	29	23	-1	IAH	AUS	140
##	81702	N14604	187	128	19	1	IAH	CLE	1091
##	81705	N24729	151	116	11	15	IAH	RDU	1043
##	81712	N76529	158	138	-14	-1	IAH	DCA	1208
##	81716	N14231	300	280	15	-1	IAH	SEA	1874
##	81719	N78438	243	220	-23	-1	IAH	SFO	1635
##	81720	N26215	174	128	55	36	IAH	DEN	862
##	81723	N35260	69	40	-1	-4	IAH	SAT	191
##	81724	N77261	198	177	-22	1	IAH	BOS	1597
##	81731	N38417	191	170	-10	12	IAH	LAS	1222
##	81733	N37427	152	122	12	12	IAH	DEN	862
##	81738	N14250	291	272	11	-1	IAH	PDX	1825
##	81739	N57863	208	156	37	38	IAH	EWR	1400
##	81744	N75425	187	141	45	39	IAH	PHX	1009
##	81746		NA	NA	NA	NA	IAH	MSY	305
##	81748	N77525	155	133	-18	1	IAH	BWI	1235
##	81752	N37274	178	158	-34	-4	IAH	LGA	1416
##	81763	N14731	168	137	8	-3	IAH	GUC	886

##	81766	N15710	149	131	-25	-4	IAH	DCA	1208
##	81774	N76254	270	226	19	15	IAH	SFO	1635
##	81780	N33266	75	43	43	30	IAH	SAT	191
##	81782	N76265	203	183	-16	2	IAH	BOS	1597
##	81788	N17229	213	178	7	5	IAH	LAS	1222
##	81790	N37277	145	102	2	-1	IAH	IND	845
##	81792	N33284	195	175	-13	6	IAH	SAN	1303
##	81793	N25705	155	129	-19	-2	IAH	IAD	1190
##	81795	N12216	171	128	-3	-2	IAH	IAD	1190
##	81797	N17233	185	158	-20	0	IAH	EWR	1400
##	81799	N54241	149	127	-23	0	IAH	IAD	1190
##	81802	N76517	273	216	49	34	IAH	SJC	1609
##	81804	N35271	101	44	35	3	IAH	MSY	305
##	81805	N78506	172	142	8	12	IAH	BWI	1235
##	81808	N27722	179	157	-19	3	IAH	LGA	1416
##	81812	N17640	91	62	-2	-6	IAH	TUL	429
##	81813	N75851	160	115	10	9	IAH	ORD	925
##	81815	N33203	148	123	-9	-3	IAH	ORD	925
##	81820	N35204	166	146	-10	-6	IAH	DCA	1208
##	81824	N24211	326	295	58	12	IAH	SEA	1874
##	81830	N76504	87	35	45	24	IAH	SAT	191
##	81833	N76522	216	182	2	10	IAH	BOS	1597
##	81838	N57862	202	174	-7	-1	IAH	LAS	1222
##	81840	N37273	166	130	11	0	IAH	DEN	862
##	81841	N17620	153	107	7	-1	IAH	IND	845
##	81847	N45440	191	160	-12	2	IAH	EWR	1400
##	81848	N35204	89	60	16	4	IAH	MFE	316
##	81854	N35407	174	144	0	7	IAH	PHX	1009
##	81860	N73276	232	154	29	2	IAH	LGA	1416
##	81861	N53441	152	119	-12	-1	IAH	PIT	1117
##	81866	N72405	189	168	0	8	IAH	SLC	1195
##	81867	N17619	154	131	-16	-6	IAH	CLE	1091
##	81868	N76515	149	115	-9	-1	IAH	ORD	925
##	81878	N25705	176	146	2	-3	IAH	DCA	1208
##	81885	N72405	272	219	30	18	IAH	SFO	1635
##	81890	N29717	204	178	-6	8	IAH	BOS	1597
##	81892	N18119	123	103	-11	0	IAH	MCO	853
##	81898	N33203	195	168	-1	14	IAH	LAS	1222
##	81900	N77867	150	123	63	69	IAH	DEN	862
##	81902	N77296	166	126	11	1	IAH	DEN	862
##	81904	N12218	136	97	33	21	IAH	TPA	787
##	81907	N39728	173	142	4	2	IAH	MSP	1034
##	81911	N75851	93	44	30	4	IAH	MSY	305
##	81914	N14613	164	138	-21	-5	IAH	BWI	1235
##	81917	N11641	213	173	26	21	IAH	LGA	1416
##	81921	N14250	163	128	30	29	IAH	CLE	1091
##	81926	N15710	178	136	19	10	IAH	DCA	1208
##	81929	N17139	168	145	-8	1	IAH	EGE	935
##	81930	N57864	325	270	89	42	IAH	SEA	1874
##	81933	N37422	261	220	-3	4	IAH	SFO	1635
##	81938	N14653	227	177	1	1	IAH	BOS	1597
##	81941	N57864	133	106	3	3	IAH	MCO	853
##	81947	N79402	231	174	25	4	IAH	LAS	1222
##	81951	N16713	112	92	-13	0	IAH	TPA	787

##	81952	N73406	283	250	5	0	IAH	PDX	1825
##	81955	N14219	67	43	2	1	IAH	MSY	305
##	81962		NA	NA	NA	NA	IAH	LGA	1416
##	81966	N37434	194	172	-2	16	IAH	SAN	1303
##	81967	N39415	201	181	-17	-1	IAH	SAN	1303
##	81968	N26215	66	30	23	13	IAH	AUS	140
##	81969	N13248	195	124	30	-2	IAH	CLE	1091
##	81970	N78524	165	120	21	16	IAH	ORD	925
##	81971	N77296	216	187	22	6	IAH	SLC	1195
##	81973	N16648	129	84	27	21	IAH	ATL	689
##	81974	N87513	213	191	-21	-4	IAH	SNA	1347
##	81978	N24211	84	46	20	4	IAH	MSY	305
##	81979	N37437	315	280	55	24	IAH	SEA	1874
##	81982	N33286	254	222	-1	6	IAH	SFO	1635
##	81983	N34222	256	232	-17	-3	IAH	SFO	1635
##	81984	N24729	172	151	-18	1	IAH	PHL	1324
##	81989	N57852	174	101	42	1	IAH	MCO	853
##	81991	N14639	154	128	-18	-5	IAH	DTW	1076
##	81994	N17244	248	182	68	48	IAH	LAX	1379
##	81997	N75853	149	119	-16	-3	IAH	DEN	862
##	82003	N77022	210	158	14	9	IAH	EWR	1400
##	82008	N75410	169	141	15	23	IAH	PHX	1009
##	82014	N73291	109	92	19	34	IAH	TPA	787
##	82015	N73251	186	154	-10	14	IAH	EWR	1400
##	82024	N78438	143	118	-3	6	IAH	ORD	925
##	82025	N77258	127	110	-20	-4	IAH	FLL	965
##	82029	N27724	156	137	-26	-7	IAH	DCA	1208
##	82032	N32404	275	224	26	11	IAH	SFO	1635
##	82035	N73259	82	37	44	24	IAH	SAT	191
##	82037	N75853	147	101	18	10	IAH	MCO	853
##	82039	N12225	161	126	-9	-2	IAH	DTW	1076
##	82041	N12238	211	180	-14	0	IAH	LAX	1379
##	82042	N76503	202	177	-4	1	IAH	LAS	1222
##	82044	N73275	162	127	22	12	IAH	DEN	862
##	82053	N76516	73	31	22	6	IAH	AUS	140
##	82055	N33264	250	226	-11	-2	IAH	SJC	1609
##	82056	N19621	171	126	8	12	IAH	PIT	1117
##	82060	N37277	74	43	6	-2	IAH	MSY	305
##	82062	N16648	130	104	-21	-5	IAH	CLT	913
##	82068	N33289	130	112	-18	-1	IAH	FLL	965
##	82072	N77525	211	183	9	21	IAH	SNA	1347
##	82074	N14645	126	100	-17	0	IAH	RSW	861
##	82081	N36207	165	146	-29	-2	IAH	PHL	1324
##	82083	N37434	68	36	25	17	IAH	SAT	191
##	82085	N73291	165	131	-7	-1	IAH	DTW	1076
##	82088	N57863	231	184	2	-3	IAH	LAX	1379
##	82090	N35260	207	166	7	12	IAH	LAS	1222
##	82091	N14230	173	141	4	1	IAH	DCA	1208
##	82095	N37408	135	94	16	7	IAH	TPA	787
##	82097	N16701	222	177	-11	-1	IAH	SNA	1347
##	82102	N30401	58	29	27	24	IAH	AUS	140
##	82104	N17627	69	31	14	-1	IAH	AUS	140
##	82105	N13624	135	119	-18	13	IAH	CLE	1091
##	82107	N34222	157	128	22	22	IAH	ORD	925

##	82109	N75410	188	110	49	5	IAH	FLL	965
##	82116	N12238	173	97	45	2	IAH	RSW	861
##	82118	N62631	133	95	32	25	IAH	MCI	643
##	82125	N37434	54	31	26	28	IAH	AUS	140
##	82127	N75436	136	104	10	11	IAH	MCO	853
##	82129	N73299	213	167	9	11	IAH	SAN	1303
##	82130	N73299	126	104	-19	-2	IAH	MIA	964
##	82138	N87513	56	30	0	0	IAH	AUS	140
##	82139	N36280	222	188	0	3	IAH	LAX	1379
##	82146	N47414	183	151	-2	-1	IAH	PHX	1009
##	82147	N17620	126	62	43	-3	IAH	MFE	316
##	82148	N16234	55	42	-6	7	IAH	MSY	305
##	82150	N16703	220	188	-10	-3	IAH	SNA	1347
##	82151	N27724	199	169	0	4	IAH	LGA	1416
##	82154	N18622	82	58	13	9	IAH	MFE	316
##	82155	N78285	229	203	-3	23	IAH	SMF	1609
##	82157	N35407	127	111	-14	12	IAH	ORD	925
##	82158	N38257	157	107	41	30	IAH	FLL	965
##	82162	N33209	162	102	40	9	IAH	RSW	861
##	82165	N17627	145	94	45	33	IAH	ELP	667
##	82166	N39418	190	146	6	8	IAH	PHL	1324
##	82169	N27610	61	39	-15	-11	IAH	SAT	191
##	82174	N16642	179	126	2	-4	IAH	DTW	1076
##	82175	N24224	212	175	-5	3	IAH	SAN	1303
##	82176	N17229	131	109	-19	-2	IAH	MIA	964
##	82180	N37287	225	189	38	44	IAH	LAX	1379
##	82185	N33714	82	61	1	-2	IAH	MFE	316
##	82190	N17614	94	60	3	-3	IAH	OKC	395
##	82192	N38443	251	228	-15	-5	IAH	SMF	1609
##	82193	N14645	147	115	3	6	IAH	ABQ	744
##	82194	N75428	194	168	-5	14	IAH	SAN	1303
##	82196	N24212	205	186	-20	-3	IAH	ONT	1334
##	82201	N79402	134	112	-22	-1	IAH	ORD	925
##	82202	N14237	151	109	10	5	IAH	FLL	965
##	82204	N62631	122	93	-8	-1	IAH	ATL	689
##	82209	N37252	300	276	14	-2	IAH	SEA	1874
##	82212	N27239	195	143	12	10	IAH	PHL	1324
##	82215	N33266	58	36	9	12	IAH	SAT	191
##	82216	N14604	161	137	3	18	IAH	TUS	936
##	82219	N32626	86	46	13	-1	IAH	DFW	224
##	82221	N33203	193	109	52	-1	IAH	MIA	964
##	82224	N56859	241	197	21	7	IAH	LAX	1379
##	82233	N23708	235	182	15	10	IAH	SNA	1347
##	82234	N17627	59	40	17	27	IAH	MSY	305
##	82237	N38443	146	106	0	-4	IAH	PBI	956
##	82239	N76269	188	163	-21	-4	IAH	LGA	1416
##	82240	N77520	176	156	-1	19	IAH	PHL	1324
##	82241	N15712	157	126	-8	1	IAH	CLE	1091
##	82245	N18622	179	122	22	0	IAH	RDU	1043
##	82248	N37293	125	108	-12	-2	IAH	OMA	781
##	82253	N54241	133	103	-7	-2	IAH	MCO	853
##	82255	N17640	174	150	-9	-1	IAH	HDN	986
##	82258	N37255	252	220	-5	4	IAH	SMF	1609
##	82263	N76064	495	475	-9	1	IAH	HNL	3904

##	82268	N17229	57	41	-13	-1	IAH	MSY	305
##	82269	N35204	59	38	-6	-5	IAH	SAT	191
##	82278	N37434	66	44	-3	0	IAH	MSY	305
##	82280	N18622	62	32	4	-5	IAH	AUS	140
##	82288	N87512	231	197	0	0	IAH	LAX	1379
##	82291	N19141	211	184	-12	3	IAH	LAX	1379
##	82296	N75861	163	124	38	32	IAH	DEN	862
##	82297	N26123	192	170	4	20	IAH	EWR	1400
##	82299	N33103	213	180	1	0	IAH	EWR	1400
##	82305	N73256	197	169	-5	-2	IAH	EWR	1400
##	82309	N66051	199	173	-11	0	IAH	EWR	1400
##	82315	N18223	64	41	-5	-1	IAH	MSY	305
##	82319	N14250	218	191	9	18	IAH	LAX	1379
##	82320	N57862	141	118	11	28	IAH	ORD	925
##	82323	N13248	205	182	-11	4	IAH	ONT	1334
##	82326	N39726	166	140	-9	-5	IAH	DCA	1208
##	82331	N34222	258	239	-11	0	IAH	SFO	1635
##	82337	N76269	138	106	-9	-4	IAH	MIA	964
##	82341	N14230	151	126	163	174	IAH	DEN	862
##	82346	N39423	112	96	2	14	IAH	TPA	787
##	82349	N38727	273	253	-6	-3	IAH	PDX	1825
##	82350	N37409	199	171	-16	-1	IAH	EWR	1400
##	82352	N45440	238	220	-13	-1	IAH	SJU	2007
##	82358	N67134	173	150	-11	-3	IAH	PHX	1009
##	82367	N76265	206	175	-9	-4	IAH	LGA	1416
##	82374	N16646	51	28	-5	-3	IAH	AUS	140
##	82376	N17619	164	132	-7	-2	IAH	CLE	1091
##	82379	N14653	146	124	-9	4	IAH	RDU	1043
##	82385	N78524	164	144	-11	-4	IAH	DCA	1208
##	82391	N27239	159	130	5	1	IAH	DEN	862
##	82394	N38417	212	187	-13	-4	IAH	BOS	1597
##	82400	N17245	143	121	-14	-5	IAH	DEN	862
##	82405	N36247	272	255	-9	-2	IAH	PDX	1825
##	82406	N75858	189	160	-17	3	IAH	EWR	1400
##	82410	N37413	173	151	-8	0	IAH	PHX	1009
##	82411	N37277	65	42	5	8	IAH	MSY	305
##	82413	N87513	159	144	-10	5	IAH	BWI	1235
##	82417	N37255	185	166	38	61	IAH	LGA	1416
##	82429	N34282	164	150	-14	-8	IAH	DCA	1208
##	82435	N38257	256	230	-5	5	IAH	SFO	1635
##	82440	N77258	56	37	-7	-1	IAH	SAT	191
##	82447	N12238	199	179	-8	1	IAH	LAS	1222
##	82449	N17245	137	112	-7	-2	IAH	IND	845
##	82451	N13248	168	144	-9	-5	IAH	IAD	1190
##	82453	N12225	167	144	-6	-1	IAH	IAD	1190
##	82455	N73278	206	184	-2	-3	IAH	EWR	1400
##	82457	N12216	157	138	-17	-2	IAH	IAD	1190
##	82460	N37287	248	227	-2	8	IAH	SJC	1609
##	82461	N37255	72	42	2	-1	IAH	MSY	305
##	82462	N76508	177	143	0	-1	IAH	BWI	1235
##	82465	N15712	187	169	-18	-4	IAH	LGA	1416
##	82469	N14639	90	60	0	-3	IAH	TUL	429
##	82470	N77871	159	116	-1	-1	IAH	ORD	925
##	82472	N27724	157	133	-2	-5	IAH	ORD	925

##	82477	N76503	173	143	36	33	IAH	DCA	1208
##	82481	N39418	275	259	-7	-2	IAH	SEA	1874
##	82487	N77261	62	37	-2	2	IAH	SAT	191
##	82488	N78501	220	193	-2	2	IAH	BOS	1597
##	82492	N57868	200	179	-6	2	IAH	LAS	1222
##	82494	N18622	148	108	-5	-8	IAH	IND	845
##	82500	N38424	203	180	1	3	IAH	EWR	1400
##	82501	N27722	77	58	4	4	IAH	MFE	316
##	82507	N30401	179	151	-3	-1	IAH	PHX	1009
##	82513	N73276	206	180	0	-1	IAH	LGA	1416
##	82514	N14219	159	133	4	8	IAH	PIT	1117
##	82519	N30401	198	174	1	0	IAH	SLC	1195
##	82520	N14645	158	137	-19	-7	IAH	CLE	1091
##	82521	N18223	144	120	-18	-5	IAH	ORD	925
##	82531	N14731	177	151	0	-6	IAH	DCA	1208
##	82533	N76526	221	193	-10	-1	IAH	SNA	1347
##	82539	N38417	247	223	-5	8	IAH	SFO	1635
##	82544	N33294	202	181	-19	-3	IAH	BOS	1597
##	82546	N18119	125	102	5	14	IAH	MCO	853
##	82552	N37298	198	179	-9	3	IAH	LAS	1222
##	82554	N75851	156	131	0	0	IAH	DEN	862
##	82556	N24211	160	131	19	15	IAH	DEN	862
##	82558	N14237	131	92	24	17	IAH	TPA	787
##	82561	N34282	164	134	-8	-1	IAH	MSP	1034
##	82565	N33264	62	41	-5	0	IAH	MSY	305
##	82568	N62631	185	152	0	-5	IAH	BWI	1235
##	82570	N78506	208	186	-1	-1	IAH	LGA	1416
##	82574	N39416	146	126	-9	7	IAH	CLE	1091
##	82577	N33714	167	139	-3	-1	IAH	DCA	1208
##	82580	N13718	174	156	0	3	IAH	EGE	935
##	82582	N57852	284	266	7	1	IAH	SEA	1874
##	82585	N33286	249	227	-16	3	IAH	SFO	1635
##	82589	N76504	229	197	3	1	IAH	BOS	1597
##	82595	N37408	200	177	43	53	IAH	LAS	1222
##	82599	N39726	116	98	-8	1	IAH	TPA	787
##	82600	N75410	289	261	9	-2	IAH	PDX	1825
##	82609	N76265	189	164	-6	0	IAH	LGA	1416
##	82613	N39415	212	190	-7	-2	IAH	SAN	1303
##	82614	N36272	164	127	-2	-3	IAH	CLE	1091
##	82615	N76517	138	119	-22	0	IAH	ORD	925
##	82616	N35204	187	170	-18	-5	IAH	SLC	1195
##	82618	N17640	132	88	2	-7	IAH	ATL	689
##	82621	N24224	59	43	-13	-4	IAH	MSY	305
##	82622	N37290	288	263	16	12	IAH	SEA	1874
##	82625	N12225	245	226	-16	0	IAH	SFO	1635
##	82626	N33289	263	238	-7	0	IAH	SFO	1635
##	82627	N33209	187	167	-2	2	IAH	PHL	1324
##	82632	N57864	131	105	-9	-7	IAH	MCO	853
##	82635	N17233	217	196	-13	-2	IAH	LAX	1379
##	82638	N57863	161	125	-5	-4	IAH	DEN	862
##	82644	N76010	199	174	0	6	IAH	EWR	1400
##	82649	N35407	169	145	-1	7	IAH	PHX	1009
##	82656	N18220	184	156	-12	14	IAH	EWR	1400
##	82664	N72405	137	114	-18	-3	IAH	ORD	925

##	82665	N14250	135	117	-11	-3	IAH	FLL	965
##	82669	N24715	149	134	-15	11	IAH	DCA	1208
##	82672	N73406	260	222	3	3	IAH	SFO	1635
##	82675	N24212	65	34	0	-3	IAH	SAT	191
##	82677	N57863	134	100	12	17	IAH	MCO	853
##	82679	N39297	157	139	-8	3	IAH	DTW	1076
##	82681	N39297	209	181	-16	0	IAH	LAX	1379
##	82682	N14237	205	181	-4	-2	IAH	LAS	1222
##	82684	N78509	150	126	-1	1	IAH	DEN	862
##	82692	N33264	57	28	1	1	IAH	AUS	140
##	82694	N77261	255	236	-1	3	IAH	SJC	1609
##	82695	N24212	156	132	-19	-4	IAH	PIT	1117
##	82699	N35271	57	44	-8	1	IAH	MSY	305
##	82701	N24633	136	115	-16	-6	IAH	CLT	913
##	82710	N76522	203	183	-20	0	IAH	SNA	1347
##	82717	N73291	52	39	32	40	IAH	SAT	191
##	82719	N37252	158	128	-17	-4	IAH	DTW	1076
##	82721	N77871	223	197	-1	2	IAH	LAX	1379
##	82723	N76502	223	183	13	2	IAH	LAS	1222
##	82727	N38403	171	139	51	6	IAH	TPA	787
##	82728	N23708	232	199	5	5	IAH	SNA	1347
##	82732	N76503	50	29	11	16	IAH	AUS	140
##	82734	N16648	45	28	5	14	IAH	AUS	140
##	82735	N11641	145	129	-26	-5	IAH	CLE	1091
##	82737	N12218	135	116	-18	4	IAH	ORD	925
##	82739	N72405	142	121	0	2	IAH	FLL	965
##	82743	N76526	47	30	-8	1	IAH	AUS	140
##	82747	N76522	132	106	1	-1	IAH	RSW	861
##	82749	N13624	144	91	13	-5	IAH	MCI	643
##	82756	N37413	48	29	-12	-4	IAH	AUS	140
##	82758	N12221	119	97	-18	0	IAH	MCO	853
##	82760	N53442	215	186	11	11	IAH	SAN	1303
##	82761	N37290	140	118	0	3	IAH	MIA	964
##	82767	N73251	166	140	-1	3	IAH	DCA	1208
##	82773	N14604	81	56	-4	-5	IAH	MFE	316
##	82774	N37408	57	43	-12	-1	IAH	MSY	305
##	82776	N39728	224	204	-3	0	IAH	SNA	1347
##	82777	N27610	186	160	1	18	IAH	LGA	1416
##	82780	N18223	237	223	-17	1	IAH	SMF	1609
##	82782	N37267	136	119	-17	0	IAH	ORD	925
##	82783	N33209	152	119	10	4	IAH	FLL	965
##	82787	N77295	128	98	-1	2	IAH	RSW	861
##	82791	N16648	131	107	-6	-4	IAH	ELP	667
##	82792	N78438	184	157	0	8	IAH	PHL	1324
##	82795	N76517	55	39	-10	0	IAH	SAT	191
##	82800	N14645	181	136	3	-5	IAH	DTW	1076
##	82801	N76288	201	183	-23	-4	IAH	SAN	1303
##	82805	N27213	218	197	-8	5	IAH	LAX	1379
##	82810	N77258	72	53	-10	-3	IAH	MFE	316
##	82814	N14604	87	61	-5	-4	IAH	OKC	395
##	82816	N75428	253	233	-14	-6	IAH	SMF	1609
##	82817	N17627	146	120	-10	-6	IAH	ABQ	744
##	82818	N75432	198	181	-9	6	IAH	SAN	1303
##	82821	N33286	208	189	-16	-2	IAH	ONT	1334

##	82825	N57852	152	129	-9	-6	IAH	ORD	925
##	82826	N75428	139	119	-8	-1	IAH	FLL	965
##	82827	N14653	117	95	-16	-4	IAH	ATL	689
##	82831	N37422	284	266	-1	-1	IAH	SEA	1874
##	82833	N36247	192	161	-2	-1	IAH	PHL	1324
##	82835	N73275	59	42	3	5	IAH	SAT	191
##	82836	N16647	80	42	13	5	IAH	DFW	224
##	82838	N36207	143	116	4	1	IAH	MIA	964
##	82841	N78866	221	193	-2	4	IAH	LAX	1379
##	82850	N29717	222	193	-11	-3	IAH	SNA	1347
##	82853	N37420	152	117	6	-4	IAH	PBI	956
##	82855	N37274	197	179	-10	-2	IAH	LGA	1416
##	82856	N73291	190	171	-6	0	IAH	PHL	1324
##	82857	N24706	158	130	-8	0	IAH	CLE	1091
##	82861	N19638	149	128	-13	-5	IAH	RDU	1043
##	82864	N33289	126	107	-13	-4	IAH	OMA	781
##	82869	N73406	127	105	-14	-3	IAH	MCO	853
##	82871	N14639	173	153	-4	5	IAH	HDN	986
##	82874	N24715	251	232	-12	-2	IAH	SMF	1609
##	82879	N66057	NA	NA	NA	2	IAH	HNL	3904
##	82884	N37290	54	39	-17	-2	IAH	MSY	305
##	82885	N16217	63	39	26	23	IAH	SAT	191
##	82894	N16647	74	52	0	-5	IAH	MSY	305
##	82896	N38257	62	30	18	9	IAH	AUS	140
##	82906	N33132	216	193	-14	-4	IAH	LAX	1379
##	82911	N57862	161	135	90	86	IAH	DEN	862
##	82912	N17126	222	175	16	2	IAH	EWR	1400
##	82914	N19136	198	164	-4	10	IAH	EWR	1400
##	82920	N76254	186	159	123	137	IAH	EWR	1400
##	82924		NA	NA	NA	NA	IAH	EWR	1400
##	82930	N47414	58	41	7	17	IAH	MSY	305
##	82934	N33289	229	195	4	2	IAH	LAX	1379
##	82935	N75853	189	125	32	1	IAH	ORD	925
##	82938	N36207	197	180	-5	18	IAH	ONT	1334
##	82941	N27724	176	144	7	1	IAH	DCA	1208
##	82946	N31412	259	237	-10	0	IAH	SFO	1635
##	82952	N73275	134	114	-11	-2	IAH	MIA	964
##	82956	N73278	175	138	15	2	IAH	DEN	862
##	82961	N39416	113	95	24	35	IAH	TPA	787
##	82964	N23721	273	257	-2	1	IAH	PDX	1825
##	82965	N71411	222	163	19	11	IAH	EWR	1400
##	82967	N38424	236	215	-13	1	IAH	SJU	2007
##	82973	N41135	182	153	1	0	IAH	PHX	1009
##	82982	N38727	195	176	41	57	IAH	LGA	1416
##	82989	N14629	56	30	0	-3	IAH	AUS	140
##	82991	N59630	173	139	1	-3	IAH	CLE	1091
##	82994	N19623	155	122	-6	-2	IAH	RDU	1043
##	83000	N14230	161	141	-13	-3	IAH	DCA	1208
##	83006	N13248	180	138	23	-2	IAH	DEN	862
##	83009	N78438	220	183	4	5	IAH	BOS	1597
##	83015	N16217	156	134	1	-3	IAH	DEN	862
##	83020	N18223	305	287	29	3	IAH	PDX	1825
##	83021	N57870	183	155	23	49	IAH	EWR	1400
##	83024	N27205	182	149	2	1	IAH	PHX	1009

##	83025	N36272	64	39	-3	1	IAH	MSY	305
##	83027	N76514	160	144	-10	4	IAH	BWI	1235
##	83031	N18220	231	203	20	-3	IAH	LGA	1416
##	83040	N13718	170	149	8	-5	IAH	GUC	886
##	83048	N73283	262	232	14	18	IAH	SFO	1635
##	83053	N39728	69	41	8	1	IAH	SAT	191
##	83060	N17245	205	177	1	7	IAH	LAS	1222
##	83062	N12218	128	99	-18	-4	IAH	IND	845
##	83064	N15712	181	139	7	-2	IAH	IAD	1190
##	83066	N37298	160	143	-14	-2	IAH	IAD	1190
##	83068	N76522	219	195	70	56	IAH	EWR	1400
##	83070	N12225	169	141	-4	-1	IAH	IAD	1190
##	83073	N87513	248	229	-4	6	IAH	SJC	1609
##	83074	N37274	65	43	-6	-2	IAH	MSY	305
##	83075	N38257	165	143	-9	2	IAH	BWI	1235
##	83081	N13624	99	69	6	-6	IAH	TUL	429
##	83082	N18223	159	133	44	44	IAH	ORD	925
##	83084	N12216	156	131	-3	-5	IAH	ORD	925
##	83089	N14214	157	140	-14	-1	IAH	DCA	1208
##	83093	N37434	298	275	15	-3	IAH	SEA	1874
##	83099	N76269	60	35	-6	0	IAH	SAT	191
##	83100	N77525	214	179	28	38	IAH	BOS	1597
##	83104	N57855	204	174	-5	-1	IAH	LAS	1222
##	83106	N16647	145	113	-7	-7	IAH	IND	845
##	83112	N37420	224	193	24	5	IAH	EWR	1400
##	83113	N37255	70	51	-11	-4	IAH	MFE	316
##	83119	N75426	164	146	-17	0	IAH	PHX	1009
##	83125	N16732	215	183	157	147	IAH	LGA	1416
##	83126	N37409	152	131	-12	-1	IAH	PIT	1117
##	83131	N79402	222	190	22	-3	IAH	SLC	1195
##	83132	N16617	168	138	-9	-7	IAH	CLE	1091
##	83133	N87512	162	130	18	13	IAH	ORD	925
##	83142	N25705	179	139	6	-2	IAH	DCA	1208
##	83149	N38417	253	234	-14	1	IAH	SFO	1635
##	83154	N38727	208	178	10	20	IAH	BOS	1597
##	83156	N33132	131	106	4	7	IAH	MCO	853
##	83162	N73278	194	173	-16	0	IAH	LAS	1222
##	83164	N57852	159	138	2	-1	IAH	DEN	862
##	83166	N77258	164	142	5	-3	IAH	DEN	862
##	83168	N76288	128	94	24	20	IAH	TPA	787
##	83171	N24211	174	153	3	0	IAH	MSP	1034
##	83175	N76269	80	46	13	0	IAH	MSY	305
##	83178	N16647	167	147	-18	-5	IAH	BWI	1235
##	83180	N33203	243	185	213	178	IAH	LGA	1416
##	83184	N37273	157	133	-4	1	IAH	CLE	1091
##	83188	N37267	158	135	-10	1	IAH	DCA	1208
##	83190	N24706	181	158	3	-1	IAH	EGE	935
##	83192	N57864	311	291	40	7	IAH	SEA	1874
##	83198	N26226	248	204	65	44	IAH	BOS	1597
##	83204	N38443	215	180	6	1	IAH	LAS	1222
##	83208	N27724	126	99	-2	-3	IAH	TPA	787
##	83209	N27213	290	270	20	8	IAH	PDX	1825
##	83218	N13718	198	161	84	81	IAH	LGA	1416
##	83222	N75428	206	186	-11	0	IAH	SAN	1303

##	83223	N16649	168	137	3	-2	IAH	CLE	1091
##	83224	N79521	166	139	68	62	IAH	ORD	925
##	83225	N76503	198	177	0	2	IAH	SLC	1195
##	83227	N11641	114	82	28	37	IAH	ATL	689
##	83228	N87507	236	205	1	-5	IAH	SNA	1347
##	83231	N76517	92	67	22	-2	IAH	MSY	305
##	83232	N26210	316	292	50	18	IAH	SEA	1874
##	83235	N77258	261	237	10	10	IAH	SFO	1635
##	83236	N14219	260	239	-9	1	IAH	SFO	1635
##	83237	N73256	222	155	29	-2	IAH	PHL	1324
##	83242	N75854	127	101	-13	-7	IAH	MCO	853
##	83245	N14230	216	191	-11	1	IAH	LAX	1379
##	83247	N57864	163	140	0	-1	IAH	DEN	862
##	83253	N78004	228	201	27	4	IAH	EWR	1400
##	83258	N38403	167	142	-11	-1	IAH	PHX	1009
##	83264	N37287	177	150	-4	29	IAH	EWR	1400
##	83272	N30401	153	129	-1	-2	IAH	ORD	925
##	83273	N38443	146	120	-1	-4	IAH	FLL	965
##	83277	N16709	162	146	-3	10	IAH	DCA	1208
##	83280	N75410	251	226	51	60	IAH	SFO	1635
##	83283	N37273	69	38	6	-1	IAH	SAT	191
##	83285	N57868	143	105	0	-4	IAH	MCO	853
##	83287	N76503	159	137	-12	-3	IAH	DTW	1076
##	83289	N14242	224	193	10	11	IAH	LAX	1379
##	83290	N76288	200	176	-5	2	IAH	LAS	1222
##	83292	N77867	156	135	116	112	IAH	DEN	862
##	83300	N35260	44	30	32	45	IAH	AUS	140
##	83302	N76265	259	236	-2	-2	IAH	SJC	1609
##	83303	N19621	174	146	-7	-6	IAH	PIT	1117
##	83307	N16648	65	42	79	80	IAH	MSY	305
##	83309	N11641	132	110	-18	-4	IAH	CLT	913
##	83318	N39297	215	191	-10	-2	IAH	SNA	1347
##	83324	N33209	58	36	0	2	IAH	SAT	191
##	83326	N14731	165	129	-11	-5	IAH	DTW	1076
##	83328	N57862	233	192	13	6	IAH	LAX	1379
##	83333	N75433	110	90	-11	5	IAH	TPA	787
##	83334	N16709	219	194	-11	2	IAH	SNA	1347
##	83338	N37409	48	31	-6	1	IAH	AUS	140
##	83340	N16646	67	29	13	0	IAH	AUS	140
##	83341	N14645	157	136	-19	-10	IAH	CLE	1091
##	83343	N73256	225	138	105	37	IAH	ORD	925
##	83345	N47414	140	125	-2	2	IAH	FLL	965
##	83349	N87507	221	194	-9	1	IAH	LAX	1379
##	83352	N76526	163	143	-5	2	IAH	DCA	1208
##	83354	N14242	125	104	-5	0	IAH	RSW	861
##	83356	N14639	121	96	1	6	IAH	MCI	643
##	83363	N39416	75	32	19	0	IAH	AUS	140
##	83365	N31412	127	104	3	13	IAH	MCO	853
##	83367	N37281	210	181	-2	3	IAH	SAN	1303
##	83368	N73283	150	110	8	1	IAH	MIA	964
##	83374	N78506	52	29	-5	-1	IAH	AUS	140
##	83380	N37274	89	55	35	26	IAH	MFE	316
##	83381	N17619	61	41	-9	-2	IAH	MSY	305
##	83383	N23708	229	197	3	1	IAH	SNA	1347

## 83384	N15712	201	161	141	137	IAH	LGA	1416
## 83387	N14214	241	220	1	15	IAH	SMF	1609
## 83389	N36207	152	127	3	4	IAH	ORD	925
## 83390	N76505	155	118	5	-4	IAH	FLL	965
## 83394	N78285	130	101	1	2	IAH	RSW	861
## 83398	N19638	117	99	-19	-3	IAH	ELP	667
## 83399	N87512	191	156	222	223	IAH	PHL	1324
## 83402	N16732	85	41	25	5	IAH	SAT	191
## 83407	N27610	174	139	-17	-18	IAH	DTW	1076
## 83408	N76502	200	173	61	81	IAH	SAN	1303
## 83412	N11206	218	195	-12	1	IAH	LAX	1379
## 83417	N18622	75	53	-6	-2	IAH	MFE	316
## 83421	N17619	86	65	-1	1	IAH	OKC	395
## 83423	N37267	252	228	-5	4	IAH	SMF	1609
## 83424	N32626	145	119	-3	2	IAH	ABQ	744
## 83425	N33262	198	179	-11	4	IAH	SAN	1303
## 83428	N35260	214	191	-6	-2	IAH	ONT	1334
## 83432	N26210	162	125	7	0	IAH	ORD	925
## 83433	N75428	140	120	2	8	IAH	FLL	965
## 83434	N17619	107	84	-22	0	IAH	ATL	689
## 83438	N53441	333	295	49	0	IAH	SEA	1874
## 83440	N12218	188	163	42	47	IAH	PHL	1324
## 83442	N26215	53	36	-9	-1	IAH	SAT	191
## 83443	N16617	85	43	10	-3	IAH	DFW	224
## 83445	N33209	142	112	0	-2	IAH	MIA	964
## 83448	N75861	212	183	21	36	IAH	LAX	1379
## 83457	N16701	225	197	-8	-3	IAH	SNA	1347
## 83460	N27421	132	110	-10	0	IAH	PBI	956
## 83462	N73276	196	162	125	134	IAH	LGA	1416
## 83463	N34222	185	159	134	145	IAH	PHL	1324
## 83464	N12216	158	135	-11	-3	IAH	CLE	1091
## 83467	N24633	139	117	-19	-1	IAH	RDU	1043
## 83470	N35204	138	115	4	1	IAH	OMA	781
## 83474	N26226	136	105	16	18	IAH	MCO	853
## 83476	N13624	195	172	7	-6	IAH	HDN	986
## 83479	N16713	257	235	2	6	IAH	SMF	1609
## 83484	N76065	505	478	-1	-1	IAH	HNL	3904
## 83489	N62631	64	46	-2	3	IAH	MSY	305
## 83490	N76505	57	39	-2	1	IAH	SAT	191
## 83499	N19621	71	44	-3	-5	IAH	MSY	305
## 83501	N35204	51	28	10	12	IAH	AUS	140
## 83509	N76517	225	198	-3	3	IAH	LAX	1379
## 83512	N29124	216	197	193	203	IAH	LAX	1379
## 83517	N75853	177	141	21	1	IAH	DEN	862
## 83518	N68155	198	182	-9	1	IAH	EWR	1400
## 83520	N12109	191	165	65	86	IAH	EWR	1400
## 83525	N24202	194	169	-6	0	IAH	EWR	1400
## 83529	N76055	194	165	-15	1	IAH	EWR	1400
## 83535	N75426	72	44	3	-1	IAH	MSY	305
## 83539	N14219	211	190	-9	7	IAH	LAX	1379
## 83540	N57864	164	129	225	219	IAH	ORD	925
## 83543	N12218	203	184	-18	-1	IAH	ONT	1334
## 83546	N23721	164	148	-1	5	IAH	DCA	1208
## 83551	N35407	247	221	-19	3	IAH	SFO	1635

##	83558	N33262	134	112	-12	-3	IAH	MIA	964
##	83563	N57857	182	164	6	30	IAH	LAS	1222
##	83565	N73251	170	136	9	1	IAH	DEN	862
##	83570	N77431	118	98	-1	5	IAH	TPA	787
##	83573	N17719	301	286	34	9	IAH	PDX	1825
##	83574	N75410	201	173	3	16	IAH	EWR	1400
##	83576	N75428	252	234	6	4	IAH	SJU	2007
##	83582	N57111	168	146	-16	-3	IAH	PHX	1009
##	83588	N13624	175	160	-3	1	IAH	BWI	1235
##	83592	N37273	193	173	-19	-1	IAH	LGA	1416
##	83599	N14604	63	28	14	4	IAH	AUS	140
##	83601	N16647	171	141	2	0	IAH	CLE	1091
##	83604	N13624	149	127	-7	3	IAH	RDU	1043
##	83611	N79521	171	142	1	1	IAH	DCA	1208
##	83615	N75433	306	291	21	-1	IAH	SEA	1874
##	83618	N38443	267	242	18	16	IAH	SFO	1635
##	83619	N18223	166	141	20	9	IAH	DEN	862
##	83622	N36272	59	40	-9	-2	IAH	SAT	191
##	83623	N37298	220	185	2	3	IAH	BOS	1597
##	83630	N39423	200	178	-15	-2	IAH	LAS	1222
##	83632	N17233	160	139	9	1	IAH	DEN	862
##	83637	N33289	292	275	7	-6	IAH	PDX	1825
##	83638	N74856	189	158	32	52	IAH	EWR	1400
##	83642	N37427	170	146	4	15	IAH	PHX	1009
##	83644	N73275	64	45	-9	-5	IAH	MSY	305
##	83646	N77525	172	154	0	2	IAH	BWI	1235
##	83650	N33264	199	168	-12	-3	IAH	LGA	1416
##	83662	N24706	172	154	0	-2	IAH	DCA	1208
##	83670	N37255	252	228	4	18	IAH	SFO	1635
##	83676	N16646	57	38	-5	0	IAH	SAT	191
##	83678	N37267	214	186	-4	3	IAH	BOS	1597
##	83684	N36280	202	183	-5	1	IAH	LAS	1222
##	83686	N27213	137	116	26	31	IAH	IND	845
##	83688	N73270	206	185	-7	1	IAH	SAN	1303
##	83689	N38727	186	151	16	2	IAH	IAD	1190
##	83691	N18220	164	154	20	28	IAH	IAD	1190
##	83693	N66051	204	168	-3	-2	IAH	EWR	1400
##	83695	N37281	175	156	1	-2	IAH	IAD	1190
##	83698	N76514	256	230	17	19	IAH	SJC	1609
##	83700	N37274	57	41	-2	10	IAH	MSY	305
##	83701	N35204	174	156	3	5	IAH	BWI	1235
##	83704	N25705	200	170	0	1	IAH	LGA	1416
##	83708	N59630	90	73	2	-1	IAH	TUL	429
##	83709	N37293	154	121	82	87	IAH	ORD	925
##	83711	N54241	189	166	29	-6	IAH	ORD	925
##	83716	N77258	169	148	1	2	IAH	DCA	1208
##	83720	N75436	301	283	21	0	IAH	SEA	1874
##	83726	N73291	61	39	9	14	IAH	SAT	191
##	83729	N76516	221	185	2	5	IAH	BOS	1597
##	83734	N77867	202	170	-1	5	IAH	LAS	1222
##	83736	N24212	158	138	8	5	IAH	DEN	862
##	83737	N19621	150	117	0	-5	IAH	IND	845
##	83743	N75432	196	173	-9	0	IAH	EWR	1400
##	83744	N24211	66	49	20	31	IAH	MFE	316

##	83750	N37419	168	150	-12	1	IAH	PHX	1009
##	83757	N76508	220	187	14	-1	IAH	LGA	1416
##	83758	N79402	150	131	-9	4	IAH	PIT	1117
##	83763	N37408	222	199	24	-1	IAH	SLC	1195
##	83764	N78501	163	145	6	7	IAH	CLE	1091
##	83765	N76522	165	132	204	196	IAH	ORD	925
##	83775	N38727	200	175	23	-6	IAH	DCA	1208
##	83777	N78524	209	180	-21	0	IAH	SNA	1347
##	83783	N37408	250	230	-6	4	IAH	SFO	1635
##	83788	N24212	212	185	-5	1	IAH	BOS	1597
##	83790	N12109	162	140	58	30	IAH	MCO	853
##	83796	N18220	200	176	-10	0	IAH	LAS	1222
##	83798	N75851	164	136	17	9	IAH	DEN	862
##	83800	N26215	185	152	30	1	IAH	DEN	862
##	83802	N33294	113	97	-2	9	IAH	TPA	787
##	83805	N33289	161	143	40	50	IAH	MSP	1034
##	83809	N33262	66	46	-2	-1	IAH	MSY	305
##	83812	N19623	183	160	-4	-7	IAH	BWI	1235
##	83815	N36247	204	178	6	10	IAH	LGA	1416
##	83819	N37277	146	125	-12	4	IAH	CLE	1091
##	83824	N37273	171	146	6	4	IAH	DCA	1208
##	83827	N17126	179	158	-1	-3	IAH	EGE	935
##	83828	N57863	310	292	115	83	IAH	SEA	1874
##	83835	N27239	219	189	19	27	IAH	BOS	1597
##	83838	N75854	125	108	116	124	IAH	MCO	853
##	83844	N78438	208	182	-3	-1	IAH	LAS	1222
##	83848	N27733	145	110	11	-9	IAH	TPA	787
##	83849	N37409	302	283	33	9	IAH	PDX	1825
##	83852	N76502	62	44	-6	-2	IAH	MSY	305
##	83859	N24706	212	190	21	4	IAH	LGA	1416
##	83863	N37420	198	181	-10	4	IAH	SAN	1303
##	83864	N37419	212	178	-4	1	IAH	SAN	1303
##	83865	N16617	53	28	-5	-2	IAH	AUS	140
##	83866	N36207	171	135	10	2	IAH	CLE	1091
##	83867	N78511	151	134	249	258	IAH	ORD	925
##	83868	N30401	215	199	10	-5	IAH	SLC	1195
##	83870	N11641	120	93	-9	-6	IAH	ATL	689
##	83873	N87513	61	47	-8	-1	IAH	MSY	305
##	83874	N53441	306	285	27	5	IAH	SEA	1874
##	83877	N33209	253	232	-7	1	IAH	SFO	1635
##	83878	N34282	270	239	-2	-2	IAH	SFO	1635
##	83879	N26208	193	158	13	11	IAH	PHL	1324
##	83884	N57855	132	112	1	2	IAH	MCO	853
##	83886	N14629	174	143	6	-1	IAH	DTW	1076
##	83888	N12216	214	192	-13	1	IAH	LAX	1379
##	83891	N57862	156	139	-8	-2	IAH	DEN	862
##	83896	N74007	182	158	12	35	IAH	EWR	1400
##	83901	N76505	176	155	9	10	IAH	PHX	1009
##	83907	N78285	127	101	0	-3	IAH	TPA	787
##	83908	N37253	187	163	-12	11	IAH	EWR	1400
##	83917	N79402	152	123	36	36	IAH	ORD	925
##	83918	N14219	137	117	-10	-4	IAH	FLL	965
##	83922	N13716	172	149	-2	1	IAH	DCA	1208
##	83925	N31412	261	235	15	14	IAH	SFO	1635

##	83928	N37290	64	42	14	12	IAH	SAT	191
##	83930	N57862	135	110	-4	0	IAH	MCO	853
##	83932	N37293	172	136	11	7	IAH	DTW	1076
##	83934	N12225	226	195	20	19	IAH	LAX	1379
##	83935	N33294	210	172	1	-2	IAH	LAS	1222
##	83937	N57868	166	135	35	21	IAH	DEN	862
##	83946	N76265	51	30	-1	5	IAH	AUS	140
##	83948	N76265	260	230	0	-1	IAH	SJC	1609
##	83949	N17627	170	139	-10	-5	IAH	PIT	1117
##	83953	N19638	73	43	4	-3	IAH	MSY	305
##	83955	N11641	140	119	-11	-5	IAH	CLT	913
##	83961	N77296	136	117	-15	-4	IAH	FLL	965
##	83965	N77525	214	194	-8	1	IAH	SNA	1347
##	83967	N16649	165	139	22	0	IAH	RSW	861
##	83974	N17245	193	166	8	7	IAH	PHL	1324
##	83976	N37267	66	40	18	12	IAH	SAT	191
##	83978	N16713	168	138	-2	1	IAH	DTW	1076
##	83981	N74856	208	186	-1	17	IAH	LAX	1379
##	83983	N77865	212	180	3	3	IAH	LAS	1222
##	83984	N78285	173	147	16	13	IAH	DCA	1208
##	83988	N35407	118	95	-9	-1	IAH	TPA	787
##	83990	N16701	223	197	-8	1	IAH	SNA	1347
##	83995	N71411	57	32	10	8	IAH	AUS	140
##	83997	N24633	67	30	15	2	IAH	AUS	140
##	83998	N17619	166	143	-2	-2	IAH	CLE	1091
##	84000	N37298	174	128	141	124	IAH	ORD	925
##	84002	N71411	165	147	19	-2	IAH	FLL	965
##	84009	N33203	128	110	-8	-6	IAH	RSW	861
##	84011	N14639	123	102	-3	0	IAH	MCI	643
##	84018	N37420	56	31	0	0	IAH	AUS	140
##	84020	N27421	127	101	-13	-3	IAH	MCO	853
##	84022	N38257	203	181	-8	4	IAH	SAN	1303
##	84023	N37290	143	116	0	0	IAH	MIA	964
##	84030	N87527	49	30	0	7	IAH	AUS	140
##	84031	N24211	213	194	-9	3	IAH	LAX	1379
##	84038	N45440	170	147	-12	2	IAH	PHX	1009
##	84039	N23708	74	55	-5	1	IAH	MFE	316
##	84040	N76288	63	45	2	7	IAH	MSY	305
##	84042	N14731	216	195	-9	2	IAH	SNA	1347
##	84043	N73275	199	174	18	16	IAH	LGA	1416
##	84046	N14604	78	57	-4	-4	IAH	MFE	316
##	84047	N33203	255	236	3	3	IAH	SMF	1609
##	84049	N30401	159	129	159	153	IAH	ORD	925
##	84050	N26208	150	117	10	6	IAH	FLL	965
##	84054	N17245	119	98	5	17	IAH	RSW	861
##	84057	N16649	119	98	-16	-2	IAH	ELP	667
##	84058	N76502	216	179	24	0	IAH	PHL	1324
##	84061	N27213	58	39	-10	-3	IAH	SAT	191
##	84066	N14653	171	139	21	23	IAH	DTW	1076
##	84067	N34282	211	187	-4	5	IAH	SAN	1303
##	84068	N11206	139	114	0	9	IAH	MIA	964
##	84072	N54241	213	194	24	42	IAH	LAX	1379
##	84077	N16646	77	52	-4	-2	IAH	MFE	316
##	84082	N14645	85	61	1	4	IAH	OKC	395

##	84084	N37277	255	231	-10	-4	IAH	SMF	1609
##	84085	N18622	143	122	-11	-4	IAH	ABQ	744
##	84086	N77258	211	186	1	3	IAH	SAN	1303
##	84088	N36280	205	187	-12	1	IAH	ONT	1334
##	84093	N37409	206	182	51	0	IAH	ORD	925
##	84094	N37413	136	114	-12	-2	IAH	FLL	965
##	84096	N14645	124	92	-5	0	IAH	ATL	689
##	84101	N75426	316	295	37	5	IAH	SEA	1874
##	84104	N37290	189	163	7	11	IAH	PHL	1324
##	84107	N33266	54	39	12	19	IAH	SAT	191
##	84108	N17620	172	137	-8	-4	IAH	TUS	936
##	84111	N17620	94	58	18	-4	IAH	DFW	224
##	84113	N33209	133	116	-8	-1	IAH	MIA	964
##	84116	N57870	218	192	5	14	IAH	LAX	1379
##	84125	N15710	225	196	6	11	IAH	SNA	1347
##	84126	N24633	64	44	-12	-7	IAH	MSY	305
##	84129	N45440	131	111	-13	-2	IAH	PBI	956
##	84131	N35260	184	164	-19	2	IAH	LGA	1416
##	84132	N87507	195	170	9	10	IAH	PHL	1324
##	84133	N14704	161	137	15	20	IAH	CLE	1091
##	84137	N32626	150	128	-10	-3	IAH	RDU	1043
##	84140	N27205	137	118	1	-1	IAH	OMA	781
##	84144	N27239	142	112	-2	-6	IAH	MCO	853
##	84146	N59630	190	174	-2	-10	IAH	HDN	986
##	84149	N24702	255	235	-2	4	IAH	SMF	1609
##	84154	N69063	501	481	-7	-3	IAH	HNL	3904
##	84159	N37267	73	46	10	6	IAH	MSY	305
##	84160	N14653	62	36	-1	-3	IAH	SAT	191
##	84170	N17614	60	44	-10	-1	IAH	MSY	305
##	84172	N17620	59	37	6	0	IAH	AUS	140
##	84178	N76515	207	184	-22	2	IAH	LAX	1379
##	84181	N17104	225	192	-3	-2	IAH	LAX	1379
##	84186	N57864	156	120	0	1	IAH	DEN	862
##	84187	N67158	184	164	-21	3	IAH	EWR	1400
##	84189	N34137	182	159	-4	26	IAH	EWR	1400
##	84193	N15712	196	171	3	-1	IAH	EWR	1400
##	84197	N67058	184	165	-18	0	IAH	EWR	1400
##	84202	N15712	70	45	5	3	IAH	MSY	305
##	84206	N37290	200	176	-20	7	IAH	LAX	1379
##	84208	N57862	143	114	-3	12	IAH	ORD	925
##	84211	N73283	188	172	-27	5	IAH	ONT	1334
##	84214	N29717	173	151	3	0	IAH	DCA	1208
##	84219	N38403	265	222	39	38	IAH	SFO	1635
##	84226	N76522	141	115	-4	-2	IAH	MIA	964
##	84231	N75861	183	163	-4	14	IAH	LAS	1222
##	84233	N79279	146	123	-15	-4	IAH	DEN	862
##	84236	N75436	119	99	-6	-1	IAH	TPA	787
##	84238	N39297	292	277	17	1	IAH	PDX	1825
##	84239	N72405	193	166	-16	5	IAH	EWR	1400
##	84241	N38417	246	217	20	19	IAH	SJU	2007
##	84246	N17139	161	143	-17	-2	IAH	PHX	1009
##	84251	N32626	161	138	-14	-1	IAH	BWI	1235
##	84255	N24706	187	168	-18	1	IAH	LGA	1416
##	84261	N27610	53	32	-4	-4	IAH	AUS	140

##	84263	N19621	149	129	-23	-3	IAH	CLE	1091
##	84266	N12218	139	119	-5	11	IAH	RDU	1043
##	84275	N14250	298	280	30	16	IAH	SEA	1874
##	84278	N53442	246	216	24	38	IAH	SFO	1635
##	84279	N34282	143	125	-11	1	IAH	DEN	862
##	84280	N24202	52	39	-2	7	IAH	SAT	191
##	84285	N37437	184	167	0	24	IAH	LAS	1222
##	84286	N39423	141	127	-10	1	IAH	DEN	862
##	84290	N77510	288	275	12	-2	IAH	PDX	1825
##	84291	N73860	185	162	-19	5	IAH	EWR	1400
##	84296	N47414	171	143	-9	1	IAH	PHX	1009
##	84298	N76269	64	46	-5	-1	IAH	MSY	305
##	84300	N79521	171	146	8	11	IAH	BWI	1235
##	84311	N16701	147	136	-18	-8	IAH	GUC	886
##	84314	N76522	156	143	-14	-5	IAH	DCA	1208
##	84321	N37298	238	217	-23	5	IAH	SFO	1635
##	84326	N11641	61	40	-5	-4	IAH	SAT	191
##	84328	N37273	204	185	-1	11	IAH	BOS	1597
##	84334	N33294	201	170	2	9	IAH	LAS	1222
##	84336	N19623	119	100	-29	-3	IAH	IND	845
##	84338	N16234	189	170	-18	2	IAH	SAN	1303
##	84339	N54241	171	149	-4	-3	IAH	IAD	1190
##	84341	N39297	161	142	-12	-1	IAH	IAD	1190
##	84343	N66057	184	158	-19	-6	IAH	EWR	1400
##	84345	N73291	164	142	-7	1	IAH	IAD	1190
##	84347	N37293	237	219	69	90	IAH	SJC	1609
##	84349	N17614	81	48	9	-3	IAH	MSY	305
##	84350	N73256	173	148	2	5	IAH	BWI	1235
##	84353	N23721	191	164	-5	0	IAH	LGA	1416
##	84357	N17620	92	65	9	4	IAH	TUL	429
##	84358	N37419	169	120	12	2	IAH	ORD	925
##	84364	N73283	157	145	-10	3	IAH	DCA	1208
##	84368	N38417	308	293	44	16	IAH	SEA	1874
##	84374	N37277	58	38	-7	1	IAH	SAT	191
##	84377	N17229	204	183	-19	1	IAH	BOS	1597
##	84382	N75858	188	171	-18	-3	IAH	LAS	1222
##	84384	N77525	143	122	-8	-1	IAH	DEN	862
##	84385	N14629	151	102	6	0	IAH	IND	845
##	84389	N36444	183	163	-6	8	IAH	EWR	1400
##	84390	N16713	70	48	5	12	IAH	MFE	316
##	84394	N75425	162	139	0	19	IAH	PHX	1009
##	84400	N33264	187	163	-16	2	IAH	LGA	1416
##	84401	N30401	142	124	9	30	IAH	PIT	1117
##	84405	N37253	191	177	-2	-1	IAH	SLC	1195
##	84406	N54711	148	130	-19	-8	IAH	CLE	1091
##	84407	N37293	150	114	-1	1	IAH	ORD	925
##	84417	N16732	156	142	-21	-6	IAH	DCA	1208
##	84422	N37409	235	210	6	31	IAH	SFO	1635
##	84427	N33286	207	176	19	30	IAH	BOS	1597
##	84428	N34137	125	106	3	7	IAH	MCO	853
##	84434	N73275	189	162	1	22	IAH	LAS	1222
##	84436	N57855	147	125	-4	5	IAH	DEN	862
##	84438	N78501	151	127	-6	-1	IAH	DEN	862
##	84440	N78509	120	101	-4	0	IAH	TPA	787

##	84443	N77296	179	154	14	6	IAH	MSP	1034
##	84447	N12218	61	46	32	38	IAH	MSY	305
##	84451	N24212	197	171	0	11	IAH	LGA	1416
##	84454	N77510	146	127	-1	15	IAH	CLE	1091
##	84458	N35260	164	142	-4	1	IAH	DCA	1208
##	84461	N17126	158	144	8	22	IAH	EGE	935
##	84462	N57852	303	285	57	32	IAH	SEA	1874
##	84465	N12225	246	221	-11	11	IAH	SFO	1635
##	84470	N17233	213	190	-6	8	IAH	BOS	1597
##	84473	N77865	128	106	-2	-2	IAH	MCO	853
##	84478	N35407	190	165	-12	8	IAH	LAS	1222
##	84482	N73406	296	272	31	13	IAH	PDX	1825
##	84485	N73291	64	46	1	-2	IAH	MSY	305
##	84492	N73270	206	181	35	24	IAH	LGA	1416
##	84495	N36207	184	168	-27	1	IAH	SAN	1303
##	84496	N75425	188	169	-13	11	IAH	SAN	1303
##	84497	N78509	50	31	-2	-1	IAH	AUS	140
##	84498	N38727	147	126	-10	6	IAH	CLE	1091
##	84499	N76254	152	121	22	30	IAH	ORD	925
##	84500	N36207	191	176	-12	-3	IAH	SLC	1195
##	84502	N16617	108	86	44	59	IAH	ATL	689
##	84503	N76519	206	183	-17	2	IAH	SNA	1347
##	84507	N18223	58	46	-2	8	IAH	MSY	305
##	84508	N27421	292	278	21	13	IAH	SEA	1874
##	84511	N26210	233	212	-26	2	IAH	SFO	1635
##	84512	N73406	255	236	-14	-1	IAH	SFO	1635
##	84517	N57857	130	107	7	10	IAH	MCO	853
##	84519	N24702	153	128	-4	1	IAH	DTW	1076
##	84522	N24202	200	178	-27	1	IAH	LAX	1379
##	84525	N74856	151	125	-4	2	IAH	DEN	862
##	84528	N77019	174	155	-23	8	IAH	EWR	1400
##	84532	N30401	158	138	17	36	IAH	PHX	1009
##	84539	N33209	127	102	9	1	IAH	TPA	787
##	84540	N16648	206	168	2	12	IAH	EWR	1400
##	84548	N57857	139	125	-2	11	IAH	ORD	925
##	84549	N76254	130	115	-7	1	IAH	FLL	965
##	84553	N15710	160	146	-3	7	IAH	DCA	1208
##	84556	N31412	249	223	-8	3	IAH	SFO	1635
##	84559	N37277	47	34	8	23	IAH	SAT	191
##	84561	N74856	128	106	-12	-1	IAH	MCO	853
##	84563	N26210	141	123	-30	-3	IAH	DTW	1076
##	84565	N78501	234	180	17	8	IAH	LAX	1379
##	84566	N34282	191	171	-11	0	IAH	LAS	1222
##	84568	N76517	156	131	3	-1	IAH	DEN	862
##	84577	N76265	52	31	13	18	IAH	AUS	140
##	84580	N73270	257	236	1	-2	IAH	SJC	1609
##	84581	N14639	165	132	-9	1	IAH	PIT	1117
##	84585	N75410	62	48	16	20	IAH	MSY	305
##	84592	N13750	144	117	0	-2	IAH	FLL	965
##	84596	N76516	192	174	-27	4	IAH	SNA	1347
##	84604	N16617	183	162	7	17	IAH	PHL	1324
##	84606	N17245	51	33	3	12	IAH	SAT	191
##	84608	N16701	181	141	10	0	IAH	DTW	1076
##	84611	N37419	202	179	-20	-1	IAH	LAX	1379

##	84613	N57439	191	170	-18	3	IAH	LAS	1222
##	84617	N38403	130	98	22	18	IAH	TPA	787
##	84619	N15710	195	172	34	71	IAH	SNA	1347
##	84625	N59630	50	30	4	8	IAH	AUS	140
##	84626	N17640	148	129	-14	-3	IAH	CLE	1091
##	84628	N54241	150	122	-1	6	IAH	ORD	925
##	84630	N77867	141	114	9	12	IAH	FLL	965
##	84633	N76519	54	28	12	14	IAH	AUS	140
##	84636	N76516	122	104	2	10	IAH	RSW	861
##	84638	N13624	120	98	-3	3	IAH	MCI	643
##	84645	N75436	45	30	-12	-6	IAH	AUS	140
##	84647	N45440	132	110	-5	0	IAH	MCO	853
##	84649	N35271	188	170	-24	3	IAH	SAN	1303
##	84650	N12238	143	112	-4	-4	IAH	MIA	964
##	84657	N14230	180	138	26	16	IAH	DCA	1208
##	84658	N75428	197	173	-18	10	IAH	LAX	1379
##	84665	N39423	163	142	-14	2	IAH	PHX	1009
##	84666	N17619	82	55	2	0	IAH	MFE	316
##	84667	N30401	62	46	3	4	IAH	MSY	305
##	84669	N24729	192	177	-23	12	IAH	SNA	1347
##	84670	N25705	202	175	6	1	IAH	LGA	1416
##	84674	N73251	235	219	-12	8	IAH	SMF	1609
##	84676	N37409	143	114	12	17	IAH	ORD	925
##	84677	N76502	139	117	-2	5	IAH	FLL	965
##	84681	N14237	128	104	-4	-1	IAH	RSW	861
##	84684	N11641	120	98	-16	-3	IAH	ELP	667
##	84685	N38443	187	164	-5	0	IAH	PHL	1324
##	84687	N19638	58	39	-11	-9	IAH	SAT	191
##	84692	N16649	166	139	7	14	IAH	DTW	1076
##	84693	N35204	188	169	-17	15	IAH	SAN	1303
##	84694	N35204	148	114	8	3	IAH	MIA	964
##	84698	N77295	204	179	-26	1	IAH	LAX	1379
##	84703	N37253	80	51	-1	-2	IAH	MFE	316
##	84707	N17619	78	58	-12	-2	IAH	OKC	395
##	84709	N24633	138	108	-14	-2	IAH	ABQ	744
##	84711	N37427	192	168	-16	5	IAH	SAN	1303
##	84713	N37267	191	174	-32	-6	IAH	ONT	1334
##	84716	N37408	52	28	5	8	IAH	AUS	140
##	84718	N35407	139	117	-11	0	IAH	ORD	925
##	84719	N39416	140	117	-3	3	IAH	FLL	965
##	84721	N14629	113	91	-18	-2	IAH	ATL	689
##	84726	N73251	299	282	25	5	IAH	SEA	1874
##	84729	N27205	181	156	19	31	IAH	PHL	1324
##	84732	N37274	57	38	-1	3	IAH	SAT	191
##	84733	N16649	160	136	-19	-8	IAH	TUS	936
##	84736	N58606	59	40	0	13	IAH	DFW	224
##	84738	N75410	139	113	3	4	IAH	MIA	964
##	84741	N77865	203	170	18	42	IAH	LAX	1379
##	84750	N17730	204	185	-22	4	IAH	SNA	1347
##	84751	N14653	65	46	-4	-5	IAH	MSY	305
##	84754	N77430	157	115	15	0	IAH	PBI	956
##	84756	N73275	181	160	-18	1	IAH	LGA	1416
##	84757	N73278	175	161	-10	11	IAH	PHL	1324
##	84758	N14704	146	125	-16	4	IAH	CLE	1091

##	84762	N14604	160	128	6	3	IAH	RDU	1043
##	84765	N11206	143	115	26	18	IAH	OMA	781
##	84770	N58606	135	110	-7	-6	IAH	MCO	853
##	84772	N33286	177	161	-2	-5	IAH	HDN	986
##	84775	N33209	252	227	-5	4	IAH	SMF	1609
##	84780	N77066	490	472	5	20	IAH	HNL	3904
##	84785	N35204	60	45	-2	2	IAH	MSY	305
##	84794	N36444	59	44	-9	-6	IAH	MSY	305
##	84796	N73270	59	37	13	2	IAH	AUS	140
##	84804	N14118	203	182	-21	-3	IAH	LAX	1379
##	84809	N75428	141	121	-5	6	IAH	DEN	862
##	84810	N69154	198	177	21	23	IAH	EWR	1400
##	84812	N33103	185	169	28	47	IAH	EWR	1400
##	84817	N76064	191	168	34	35	IAH	EWR	1400
##	84820	N66051	195	179	-6	1	IAH	EWR	1400
##	84826	N79279	204	178	-19	4	IAH	LAX	1379
##	84828	N57862	163	127	17	7	IAH	ORD	925
##	84831	N26210	192	169	-22	6	IAH	ONT	1334
##	84837	N71411	243	218	-5	16	IAH	SFO	1635
##	84843	N14250	137	112	0	1	IAH	MIA	964
##	84849	N39415	191	164	4	15	IAH	LAS	1222
##	84851	N78501	151	121	-6	0	IAH	DEN	862
##	84854	N18622	123	98	-1	-2	IAH	TPA	787
##	84856	N27724	282	260	11	0	IAH	PDX	1825
##	84857	N35271	214	171	8	0	IAH	EWR	1400
##	84859	N37437	241	224	13	17	IAH	SJU	2007
##	84861	N34131	160	133	-14	2	IAH	PHX	1009
##	84865	N14604	167	146	-11	-4	IAH	BWI	1235
##	84871	N79521	52	31	5	1	IAH	AUS	140
##	84872	N17730	160	134	-1	-3	IAH	CLE	1091
##	84875	N33289	150	126	17	17	IAH	RDU	1043
##	84877	N76516	178	157	7	-5	IAH	DCA	1208
##	84881	N24224	299	277	19	-1	IAH	SEA	1874
##	84884	N14230	245	226	-15	0	IAH	SFO	1635
##	84885	N14214	160	131	17	8	IAH	DEN	862
##	84888	N17244	60	42	-2	-1	IAH	SAT	191
##	84889	N33264	223	199	4	-3	IAH	BOS	1597
##	84895	N76254	182	165	-20	6	IAH	LAS	1222
##	84896	N37273	144	117	9	12	IAH	DEN	862
##	84900	N12238	280	262	6	0	IAH	PDX	1825
##	84901	N73860	176	157	-3	22	IAH	EWR	1400
##	84906	N37409	158	135	-15	3	IAH	PHX	1009
##	84908	N75428	60	45	-5	-2	IAH	MSY	305
##	84910	N59630	166	140	-13	-6	IAH	BWI	1235
##	84914	N13750	207	185	4	0	IAH	LGA	1416
##	84919	N38727	144	126	24	37	IAH	GUC	886
##	84922	N23708	158	141	-12	-8	IAH	DCA	1208
##	84929	N17245	250	225	6	17	IAH	SFO	1635
##	84933	N38268	56	38	27	28	IAH	SAT	191
##	84934	N37263	209	191	-7	0	IAH	BOS	1597
##	84939	N87513	196	172	-5	5	IAH	LAS	1222
##	84942	N37273	160	140	29	41	IAH	IAD	1190
##	84943	N78060	197	177	13	13	IAH	EWR	1400
##	84945	N39297	175	150	4	1	IAH	IAD	1190

##	84948	N79521	238	217	-13	2	IAH	SJC	1609
##	84950	N37293	65	43	3	2	IAH	MSY	305
##	84951	N14237	185	149	19	5	IAH	BWI	1235
##	84953	N39728	199	184	39	40	IAH	LGA	1416
##	84957	N75861	136	115	5	23	IAH	ORD	925
##	84959	N33284	150	132	-6	-6	IAH	ORD	925
##	84963	N24202	164	140	-6	-5	IAH	DCA	1208
##	84966	N38443	298	285	43	20	IAH	SEA	1874
##	84972	N73270	59	38	-4	-2	IAH	SAT	191
##	84973	N33284	219	195	-4	-4	IAH	BOS	1597
##	84977	N57863	185	163	-17	1	IAH	LAS	1222
##	84979	N37267	130	115	-15	5	IAH	DEN	862
##	84980	N58606	137	112	-7	-4	IAH	IND	845
##	84984	N73283	194	177	-1	2	IAH	EWR	1400
##	84985	N12218	80	55	12	4	IAH	MFE	316
##	84988	N38424	148	133	-31	-3	IAH	PHX	1009
##	84995	N24702	213	187	13	0	IAH	LGA	1416
##	84996	N57439	171	138	12	-1	IAH	PIT	1117
##	84999	N37408	189	175	-1	2	IAH	SLC	1195
##	85000	N16649	175	151	7	-5	IAH	CLE	1091
##	85001	N37252	144	128	-6	2	IAH	ORD	925
##	85009	N16701	170	149	2	-2	IAH	DCA	1208
##	85011	N16709	197	178	-26	2	IAH	SNA	1347
##	85015	N35407	236	215	0	19	IAH	SFO	1635
##	85018	N14645	219	191	4	-2	IAH	BOS	1597
##	85019	N33103	133	113	4	0	IAH	MCO	853
##	85024	N39415	198	171	-7	0	IAH	LAS	1222
##	85026	N57857	145	124	-5	1	IAH	DEN	862
##	85028	N77520	151	126	10	11	IAH	DEN	862
##	85030	N75436	128	100	8	-1	IAH	TPA	787
##	85033	N27205	156	137	-5	5	IAH	MSP	1034
##	85035	N11641	177	152	-4	-6	IAH	BWI	1235
##	85038	N13624	216	185	11	-2	IAH	LGA	1416
##	85043	N27213	159	136	4	0	IAH	CLE	1091
##	85047	N24706	162	136	26	28	IAH	DCA	1208
##	85050	N14118	163	146	-8	1	IAH	EGE	935
##	85051	N77867	275	258	68	66	IAH	SEA	1874
##	85056	N73299	215	191	-6	1	IAH	BOS	1597
##	85058	N53442	133	110	8	3	IAH	MCO	853
##	85064	N77871	193	168	-8	4	IAH	LAS	1222
##	85068	N25705	129	100	9	0	IAH	TPA	787
##	85069	N37408	292	263	29	10	IAH	PDX	1825
##	85074	N76522	62	45	-2	-3	IAH	MSY	305
##	85081	N37274	199	179	21	12	IAH	LGA	1416
##	85085	N75426	183	167	-24	0	IAH	SAN	1303
##	85086	N38417	187	168	-24	1	IAH	SAN	1303
##	85087	N35271	46	30	16	21	IAH	AUS	140
##	85088	N73276	163	141	45	38	IAH	CLE	1091
##	85089	N53441	156	127	6	5	IAH	ORD	925
##	85090	N38727	188	171	-6	1	IAH	SLC	1195
##	85092	N19623	115	88	-10	-8	IAH	ATL	689
##	85095	N73256	63	44	-2	-2	IAH	MSY	305
##	85096	N75433	290	273	15	4	IAH	SEA	1874
##	85099	N76505	241	216	-9	6	IAH	SFO	1635

##	85100	N73251	252	226	-17	-1	IAH	SFO	1635
##	85104	N74856	125	105	0	3	IAH	MCO	853
##	85106	N17614	166	141	2	-2	IAH	DTW	1076
##	85107	N17244	199	180	-27	-3	IAH	LAX	1379
##	85109	N77865	164	120	5	-2	IAH	DEN	862
##	85111	N78004	185	162	125	137	IAH	EWR	1400
##	85118	N24729	111	96	9	17	IAH	TPA	787
##	85119	N38268	196	167	3	9	IAH	EWR	1400
##	85128	N12218	133	111	-7	-2	IAH	FLL	965
##	85134	N72405	243	216	-5	7	IAH	SFO	1635
##	85136	N12218	58	40	1	0	IAH	SAT	191
##	85138	N77865	131	110	-3	0	IAH	MCO	853
##	85140	N14653	175	145	7	-1	IAH	DTW	1076
##	85142	N36272	214	182	-6	1	IAH	LAX	1379
##	85143	N14214	188	164	-11	3	IAH	LAS	1222
##	85151	N37267	49	27	31	34	IAH	AUS	140
##	85153	N37274	238	220	-13	3	IAH	SJC	1609
##	85154	N14639	168	138	-6	-4	IAH	PIT	1117
##	85158	N24212	61	43	-2	-2	IAH	MSY	305
##	85160	N17640	135	118	-2	4	IAH	CLT	913
##	85165	N33292	137	120	6	11	IAH	FLL	965
##	85168	N19623	132	111	-11	-5	IAH	RSW	861
##	85174	N23721	183	166	3	7	IAH	PHL	1324
##	85176	N37437	59	39	21	17	IAH	SAT	191
##	85180	N73860	206	183	-10	5	IAH	LAX	1379
##	85183	N71411	118	96	7	10	IAH	TPA	787
##	85188	N19638	55	31	0	-6	IAH	AUS	140
##	85189	N16617	163	142	1	-3	IAH	CLE	1091
##	85191	N33209	142	118	15	26	IAH	ORD	925
##	85193	N30401	128	114	22	33	IAH	FLL	965
##	85197	N24633	131	108	7	4	IAH	RSW	861
##	85199	N32626	128	92	9	2	IAH	MCI	643
##	85206	N18622	53	29	8	6	IAH	AUS	140
##	85208	N39423	131	110	3	4	IAH	MCO	853
##	85210	N37290	195	173	-14	1	IAH	SAN	1303
##	85211	N17233	141	116	-4	-2	IAH	MIA	964
##	85219	N13750	51	27	1	1	IAH	AUS	140
##	85220	N38443	196	178	-16	8	IAH	LAX	1379
##	85227	N75425	155	135	-10	14	IAH	PHX	1009
##	85228	N24706	79	59	2	-2	IAH	MFE	316
##	85229	N76505	60	44	-6	-3	IAH	MSY	305
##	85232	N16713	246	224	6	10	IAH	SMF	1609
##	85234	N38424	134	118	-1	13	IAH	ORD	925
##	85235	N24202	42	28	-9	-1	IAH	AUS	140
##	85236	N17233	145	127	7	3	IAH	FLL	965
##	85239	N78511	128	104	2	0	IAH	RSW	861
##	85241	N27610	111	90	-21	-4	IAH	ELP	667
##	85244	N24633	55	37	-5	0	IAH	SAT	191
##	85247	N37281	207	179	-4	4	IAH	SAN	1303
##	85248	N87513	136	115	-8	-1	IAH	MIA	964
##	85251	N16217	207	184	-6	13	IAH	LAX	1379
##	85255	N15710	80	55	5	-1	IAH	MFE	316
##	85259	N17614	84	60	-1	-2	IAH	OKC	395
##	85261	N35260	237	223	-16	3	IAH	SMF	1609

##	85262	N16617	134	105	-1	10	IAH	ABQ	744
##	85264	N78501	190	169	-14	4	IAH	SAN	1303
##	85265	N76522	67	45	10	-2	IAH	SAT	191
##	85266	N73291	158	140	-9	2	IAH	MTJ	926
##	85269	N76265	203	176	-17	-3	IAH	ONT	1334
##	85272	N37409	151	131	0	-1	IAH	ORD	925
##	85273	N75425	140	116	22	23	IAH	FLL	965
##	85277	N11206	283	262	12	8	IAH	SEA	1874
##	85280	N33286	187	159	9	10	IAH	PHL	1324
##	85283	N24729	58	39	3	1	IAH	SAT	191
##	85284	N14629	154	129	-23	-6	IAH	TUS	936
##	85286	N19621	73	50	10	4	IAH	DFW	224
##	85287	N76514	131	115	-8	1	IAH	MIA	964
##	85290	N75851	204	175	-13	5	IAH	LAX	1379
##	85297	N14704	198	180	-18	9	IAH	SNA	1347
##	85298	N58606	62	42	-4	-2	IAH	MSY	305
##	85301	N39418	144	117	5	-2	IAH	PBI	956
##	85303	N76288	201	173	24	14	IAH	PHL	1324
##	85306	N24212	149	130	2	1	IAH	RDU	1043
##	85309	N16234	124	103	-10	-1	IAH	OMA	781
##	85314	N16701	122	108	-15	-4	IAH	MCO	853
##	85316	N27213	165	150	-9	0	IAH	HDN	986
##	85319	N73251	242	225	-4	10	IAH	SMF	1609
##	85323	N67058	469	452	76	112	IAH	HNL	3904
##	85328	N37252	61	44	11	19	IAH	MSY	305
##	85329	N11206	61	42	-1	-2	IAH	SAT	191
##	85339	N32626	62	44	-10	-3	IAH	MSY	305
##	85341	N33292	56	35	3	0	IAH	AUS	140
##	85349	N27205	214	182	-8	9	IAH	LAX	1379
##	85352	N14115	216	181	-2	3	IAH	LAX	1379
##	85357	N57439	146	124	-2	9	IAH	DEN	862
##	85358	N58101	239	217	33	2	IAH	EWR	1400
##	85360	N14121	197	173	23	38	IAH	EWR	1400
##	85366	N37253	213	192	11	-2	IAH	EWR	1400
##	85369	N76269	210	186	2	2	IAH	EWR	1400
##	85378	N78501	211	182	-8	8	IAH	LAX	1379
##	85380	N57852	155	131	12	15	IAH	ORD	925
##	85383	N14250	192	172	-14	14	IAH	ONT	1334
##	85386	N13718	164	150	-6	0	IAH	DCA	1208
##	85391	N31412	242	218	-25	2	IAH	SFO	1635
##	85398	N35271	135	116	-5	3	IAH	MIA	964
##	85404	N75861	194	171	-12	0	IAH	LAS	1222
##	85406	N24729	158	125	-1	3	IAH	DEN	862
##	85411	N71411	120	102	5	9	IAH	TPA	787
##	85414	N17719	280	266	48	44	IAH	PDX	1825
##	85415	N37419	207	178	5	12	IAH	EWR	1400
##	85417	N53442	255	230	22	17	IAH	SJU	2007
##	85423	N13113	165	146	6	22	IAH	PHX	1009
##	85429	N14604	179	158	-2	-2	IAH	BWI	1235
##	85433	N36272	199	180	-14	-2	IAH	LGA	1416
##	85440	N16647	59	34	24	18	IAH	AUS	140
##	85442	N17620	161	141	-9	-1	IAH	CLE	1091
##	85445	N73283	135	122	-23	1	IAH	RDU	1043
##	85452	N79521	179	155	1	-7	IAH	DCA	1208

##	85456	N18243	285	269	4	3	IAH	SEA	1874
##	85459	N75436	245	218	-14	6	IAH	SFO	1635
##	85460	N24212	145	121	-8	2	IAH	DEN	862
##	85463	N35271	58	41	-9	-1	IAH	SAT	191
##	85464	N37263	226	198	7	2	IAH	BOS	1597
##	85471	N77431	188	170	-25	0	IAH	LAS	1222
##	85473	N37437	142	120	-3	7	IAH	DEN	862
##	85478	N27239	293	259	38	24	IAH	PDX	1825
##	85479	N57852	174	157	112	147	IAH	EWR	1400
##	85484	N39416	158	142	-14	9	IAH	PHX	1009
##	85486	N73276	59	43	-7	2	IAH	MSY	305
##	85488	N76516	166	150	-8	0	IAH	BWI	1235
##	85492	N37267	210	184	0	-2	IAH	LGA	1416
##	85504	N23721	173	150	2	-1	IAH	DCA	1208
##	85512	N33284	233	217	-28	5	IAH	SFO	1635
##	85518	N62631	72	42	4	-6	IAH	SAT	191
##	85520	N33262	221	190	5	5	IAH	BOS	1597
##	85526	N24224	187	168	-13	11	IAH	LAS	1222
##	85528	N16617	138	112	-12	-8	IAH	IND	845
##	85530	N17229	195	178	-19	0	IAH	SAN	1303
##	85531	N24212	184	159	7	-5	IAH	IAD	1190
##	85533	N12218	174	149	0	-2	IAH	IAD	1190
##	85535	N76054	209	177	7	3	IAH	EWR	1400
##	85537	N33286	162	135	40	50	IAH	IAD	1190
##	85540	N77520	235	214	-18	5	IAH	SJC	1609
##	85542	N37263	66	45	-2	1	IAH	MSY	305
##	85543	N76502	163	145	-5	8	IAH	BWI	1235
##	85546	N29717	199	175	1	3	IAH	LGA	1416
##	85550	N16648	96	64	14	5	IAH	TUL	429
##	85551	N57862	151	128	-3	5	IAH	ORD	925
##	85553	N16701	163	137	3	-6	IAH	ORD	925
##	85558	N14250	170	155	3	3	IAH	DCA	1208
##	85562	N75436	274	259	3	9	IAH	SEA	1874
##	85568	N35260	70	42	10	6	IAH	SAT	191
##	85571	N76529	221	194	2	5	IAH	BOS	1597
##	85576	N78866	192	169	-14	2	IAH	LAS	1222
##	85578	N38443	143	123	-5	7	IAH	DEN	862
##	85579	N12238	130	110	-6	9	IAH	IND	845
##	85585	N77430	196	171	-8	1	IAH	EWR	1400
##	85586	N16234	81	58	5	1	IAH	MFE	316
##	85592	N75435	171	141	-7	3	IAH	PHX	1009
##	85599	N37293	198	179	-7	0	IAH	LGA	1416
##	85600	N37408	159	143	-1	3	IAH	PIT	1117
##	85605	N38403	183	170	-3	11	IAH	SLC	1195
##	85606	N17619	182	152	14	-4	IAH	CLE	1091
##	85607	N78511	155	133	0	2	IAH	ORD	925
##	85617	N15712	155	142	-18	-2	IAH	DCA	1208
##	85624	N35407	237	214	-10	13	IAH	SFO	1635
##	85629	N36272	210	189	-8	0	IAH	BOS	1597
##	85631	N14121	140	112	14	8	IAH	MCO	853
##	85637	N12218	183	158	96	123	IAH	LAS	1222
##	85639	N74856	141	124	-12	3	IAH	DEN	862
##	85641	N36207	147	127	-5	4	IAH	DEN	862
##	85643	N14237	119	98	9	14	IAH	TPA	787

##	85646	N33292	162	146	12	21	IAH	MSP	1034
##	85650	N76265	70	54	16	13	IAH	MSY	305
##	85653	N27724	176	159	-1	-2	IAH	BWI	1235
##	85656	N76522	204	180	-5	-1	IAH	LGA	1416
##	85660	N78506	141	128	-21	0	IAH	CLE	1091
##	85665	N23708	154	137	-6	9	IAH	DCA	1208
##	85668	N34131	161	140	-18	-2	IAH	EGE	935
##	85669	N57855	279	259	5	4	IAH	SEA	1874
##	85672	N38443	236	214	-28	4	IAH	SFO	1635
##	85677	N12216	223	192	-4	0	IAH	BOS	1597
##	85680	N75435	124	104	-1	8	IAH	MCO	853
##	85686	N72405	191	168	-18	1	IAH	LAS	1222
##	85690	N16713	124	100	0	1	IAH	TPA	787
##	85691	N38403	279	255	3	2	IAH	PDX	1825
##	85694	N24706	62	43	-8	-4	IAH	MSY	305
##	85701	N24633	209	180	16	2	IAH	LGA	1416
##	85705	N33209	187	172	-21	4	IAH	SAN	1303
##	85706	N75425	193	175	-26	-2	IAH	SAN	1303
##	85707	N14228	56	33	-5	-5	IAH	AUS	140
##	85708	N87513	150	133	-13	0	IAH	CLE	1091
##	85709	N87527	144	127	-11	5	IAH	ORD	925
##	85710	N24702	182	168	-22	-4	IAH	SLC	1195
##	85712	N17640	154	90	26	-5	IAH	ATL	689
##	85713	N87512	215	196	-4	11	IAH	SNA	1347
##	85717	N26215	62	45	-3	3	IAH	MSY	305
##	85718	N73860	271	253	3	16	IAH	SEA	1874
##	85721	N37290	239	218	-16	6	IAH	SFO	1635
##	85722	N24224	257	227	-7	6	IAH	SFO	1635
##	85723	N14230	196	173	1	-4	IAH	PHL	1324
##	85728	N75853	126	105	-10	-3	IAH	MCO	853
##	85730	N19623	171	146	2	-2	IAH	DTW	1076
##	85733	N73251	206	185	-15	7	IAH	LAX	1379
##	85736	N57857	143	122	14	33	IAH	DEN	862
##	85742	N78003	195	168	-6	4	IAH	EWR	1400
##	85746	N32404	174	137	5	8	IAH	PHX	1009
##	85752	N79279	130	107	6	0	IAH	TPA	787
##	85753	N34222	203	172	-4	3	IAH	EWR	1400
##	85762	N37408	142	121	-4	6	IAH	ORD	925
##	85763	N78501	134	111	-7	2	IAH	FLL	965
##	85767	N25705	170	156	-10	-5	IAH	DCA	1208
##	85770	N75410	228	214	-26	6	IAH	SFO	1635
##	85773	N16648	63	39	1	0	IAH	SAT	191
##	85775	N57863	124	105	-6	9	IAH	MCO	853
##	85777	N38257	167	146	-1	0	IAH	DTW	1076
##	85779	N38257	224	182	18	19	IAH	LAX	1379
##	85780	N33292	199	169	-7	1	IAH	LAS	1222
##	85782	N27239	143	124	28	37	IAH	DEN	862
##	85791	N76265	46	30	-11	0	IAH	AUS	140
##	85793	N73270	243	225	-11	5	IAH	SJC	1609
##	85794	N16646	157	136	-19	-1	IAH	PIT	1117
##	85798	N26215	65	44	8	9	IAH	MSY	305
##	85800	N17640	147	122	-2	-3	IAH	CLT	913
##	85806	N37287	136	114	-10	1	IAH	FLL	965
##	85810	N76514	204	171	-18	1	IAH	SNA	1347

##	85812	N19638	128	105	-18	-3	IAH	RSW	861
##	85819	N33289	190	174	6	8	IAH	PHL	1324
##	85821	N14219	60	40	14	14	IAH	SAT	191
##	85823	N15710	160	136	-3	8	IAH	DTW	1076
##	85826	N57864	215	190	-10	1	IAH	LAX	1379
##	85828	N33266	188	165	-25	-1	IAH	LAS	1222
##	85832	N31412	120	96	-9	-3	IAH	TPA	787
##	85834	N39726	201	181	-30	1	IAH	SNA	1347
##	85839	N37409	56	33	2	1	IAH	AUS	140
##	85841	N14653	56	32	-2	-4	IAH	AUS	140
##	85842	N78524	173	153	8	1	IAH	CLE	1091
##	85844	N17233	163	137	15	9	IAH	ORD	925
##	85846	N32404	134	113	-7	3	IAH	FLL	965
##	85850	N76508	171	152	5	4	IAH	DCA	1208
##	85854	N76514	122	104	-5	3	IAH	RSW	861
##	85856	N78509	110	90	-13	3	IAH	MCI	643
##	85863	N17719	54	33	-4	-2	IAH	AUS	140
##	85865	N78511	147	107	33	23	IAH	MCO	853
##	85867	N73278	192	174	-18	5	IAH	SAN	1303
##	85868	N76265	149	117	6	0	IAH	MIA	964
##	85876	N35204	69	36	21	8	IAH	AUS	140
##	85877	N76505	207	187	-12	6	IAH	LAX	1379
##	85884	N36444	166	144	-17	1	IAH	PHX	1009
##	85885	N15710	77	58	-4	-1	IAH	MFE	316
##	85886	N14219	61	47	-8	-1	IAH	MSY	305
##	85888	N17719	211	188	-16	0	IAH	SNA	1347
##	85889	N19638	221	182	19	1	IAH	LGA	1416
##	85892	N16617	72	53	-13	-7	IAH	MFE	316
##	85893	N76516	243	225	-8	4	IAH	SMF	1609
##	85895	N35407	151	128	11	13	IAH	ORD	925
##	85896	N14230	132	115	-10	4	IAH	FLL	965
##	85900	N37281	123	103	-3	5	IAH	RSW	861
##	85903	N33262	107	88	115	141	IAH	ELP	667
##	85904	N39423	192	174	3	3	IAH	PHL	1324
##	85907	N16647	58	37	-8	-1	IAH	SAT	191
##	85912	N59630	166	138	-15	-8	IAH	DTW	1076
##	85913	N73299	191	169	-23	6	IAH	SAN	1303
##	85914	N73299	133	112	-13	2	IAH	MIA	964
##	85918	N73259	236	186	1	-4	IAH	LAX	1379
##	85923	N25705	68	51	-10	1	IAH	MFE	316
##	85928	N14645	77	60	-6	5	IAH	OKC	395
##	85930	N39415	243	222	-4	14	IAH	SMF	1609
##	85931	N58606	162	112	19	7	IAH	ABQ	744
##	85932	N16217	190	169	-16	7	IAH	SAN	1303
##	85934	N37252	195	178	-6	21	IAH	ONT	1334
##	85939	N72405	153	129	-4	-2	IAH	ORD	925
##	85940	N26226	128	115	-9	9	IAH	FLL	965
##	85942	N24633	122	94	-8	-1	IAH	ATL	689
##	85947	N16217	295	274	12	1	IAH	SEA	1874
##	85950	N38417	189	158	-3	1	IAH	PHL	1324
##	85953	N37274	63	43	13	11	IAH	SAT	191
##	85954	N17620	159	135	1	18	IAH	TUS	936
##	85957	N14613	80	48	2	-6	IAH	DFW	224
##	85959	N14219	132	114	-8	0	IAH	MIA	964

##	85962	N57857	219	180	-2	6	IAH	LAX	1379
##	85971	N21723	194	177	-30	6	IAH	SNA	1347
##	85972	N16648	67	43	9	11	IAH	MSY	305
##	85975	N75429	142	115	-2	-2	IAH	PBI	956
##	85977	N33264	198	181	-7	0	IAH	LGA	1416
##	85978	N33294	181	170	-15	0	IAH	PHL	1324
##	85979	N23707	159	139	-9	-2	IAH	CLE	1091
##	85983	N38424	153	132	-2	2	IAH	RDU	1043
##	85986	N76254	124	108	5	16	IAH	OMA	781
##	85991	N11206	128	105	-9	1	IAH	MCO	853
##	85993	N14645	178	150	-11	-7	IAH	HDN	986
##	85996	N38727	253	230	-10	-2	IAH	SMF	1609
##	86001	N76065	499	478	-2	4	IAH	HNL	3904
##	86006	N13248	62	46	-7	0	IAH	MSY	305
##	86007	N16217	55	37	-1	4	IAH	SAT	191
##	86017	N16646	69	49	-3	-3	IAH	MSY	305
##	86019	N26226	50	30	-2	1	IAH	AUS	140
##	86027	N76515	202	177	-9	20	IAH	LAX	1379
##	86030	N19117	213	187	-14	-1	IAH	LAX	1379
##	86035	N57852	161	131	15	11	IAH	DEN	862
##	86036	N33132	192	173	-14	2	IAH	EWR	1400
##	86038	N57869	204	176	10	18	IAH	EWR	1400
##	86044	N66056	177	156	115	138	IAH	EWR	1400
##	86048	N69059	206	175	11	15	IAH	EWR	1400
##	86054	N73283	70	48	-2	-4	IAH	MSY	305
##	86058	N54241	221	188	9	15	IAH	LAX	1379
##	86060	N75861	159	135	3	2	IAH	ORD	925
##	86063	N36207	210	180	-3	7	IAH	ONT	1334
##	86066	N16701	176	154	8	2	IAH	DCA	1208
##	86071	N31412	270	239	75	74	IAH	SFO	1635
##	86078	N33264	136	112	3	10	IAH	MIA	964
##	86084	N56859	192	167	-13	1	IAH	LAS	1222
##	86086	N76508	159	128	-3	0	IAH	DEN	862
##	86091	N39418	114	94	-7	3	IAH	TPA	787
##	86094	N87513	284	262	6	-2	IAH	PDX	1825
##	86095	N79402	201	174	-8	5	IAH	EWR	1400
##	86097	N75435	242	223	-6	2	IAH	SJU	2007
##	86103	N19141	167	138	-13	1	IAH	PHX	1009
##	86109	N58606	176	151	-3	0	IAH	BWI	1235
##	86113	N37273	194	167	-13	4	IAH	LGA	1416
##	86120	N14628	58	28	10	5	IAH	AUS	140
##	86122	N16648	200	148	25	-6	IAH	CLE	1091
##	86125	N25705	161	138	17	11	IAH	RDU	1043
##	86132	N87527	162	143	-14	-5	IAH	DCA	1208
##	86136	N75429	286	262	17	15	IAH	SEA	1874
##	86139	N57439	254	228	29	40	IAH	SFO	1635
##	86140	N14230	159	136	9	5	IAH	DEN	862
##	86143	N73275	52	34	-12	2	IAH	SAT	191
##	86144	N76265	218	193	-3	0	IAH	BOS	1597
##	86151	N38424	200	170	-3	10	IAH	LAS	1222
##	86153	N77431	142	126	-6	4	IAH	DEN	862
##	86158	N14228	290	262	12	1	IAH	PDX	1825
##	86159	N77865	196	173	-1	12	IAH	EWR	1400
##	86164	N27421	167	137	0	14	IAH	PHX	1009

##	86166	N37267	71	50	3	0	IAH	MSY	305
##	86168	N78524	168	147	9	15	IAH	BWI	1235
##	86172	N73276	188	168	-22	-2	IAH	LGA	1416
##	86183	N13750	170	143	14	1	IAH	GUC	886
##	86186	N38727	169	149	-4	-3	IAH	DCA	1208
##	86194	N24212	259	231	69	76	IAH	SFO	1635
##	86200	N17640	66	40	6	2	IAH	SAT	191
##	86202	N36272	211	193	-7	3	IAH	BOS	1597
##	86208	N32404	202	173	-10	-1	IAH	LAS	1222
##	86210	N73283	144	121	2	0	IAH	IND	845
##	86212	N37277	195	172	-23	-4	IAH	SAN	1303
##	86213	N23707	175	149	2	-1	IAH	IAD	1190
##	86215	N12216	185	155	12	-1	IAH	IAD	1190
##	86217	N78509	193	165	-8	4	IAH	EWR	1400
##	86219	N27205	183	155	17	6	IAH	IAD	1190
##	86222	N76514	251	226	1	8	IAH	SJC	1609
##	86224	N33289	64	46	12	17	IAH	MSY	305
##	86225	N14214	179	156	10	7	IAH	BWI	1235
##	86228	N15710	192	169	-12	-3	IAH	LGA	1416
##	86232	N32626	87	67	-5	-5	IAH	TUL	429
##	86233	N75853	160	133	2	1	IAH	ORD	925
##	86235	N37267	166	134	10	-2	IAH	ORD	925
##	86240	N38257	167	149	-4	-1	IAH	DCA	1208
##	86244	N37419	280	264	31	31	IAH	SEA	1874
##	86250	N26226	56	37	-3	7	IAH	SAT	191
##	86253	N87507	222	200	-1	1	IAH	BOS	1597
##	86258	N75851	189	168	-7	12	IAH	LAS	1222
##	86260	N76269	145	129	22	32	IAH	DEN	862
##	86261	N17620	144	117	-9	-8	IAH	IND	845
##	86267	N37422	187	163	-2	16	IAH	EWR	1400
##	86268	N78524	72	52	-6	-1	IAH	MFE	316
##	86274	N78438	166	142	-12	3	IAH	PHX	1009
##	86280	N37263	188	172	-4	13	IAH	LGA	1416
##	86281	N38403	175	146	13	1	IAH	PIT	1117
##	86286	N32404	194	172	-3	0	IAH	SLC	1195
##	86287	N27724	163	141	-4	-3	IAH	CLE	1091
##	86288	N37293	156	134	0	1	IAH	ORD	925
##	86298	N39726	172	154	-9	-10	IAH	DCA	1208
##	86305	N57857	280	247	51	31	IAH	SFO	1635
##	86310	N17245	236	198	50	32	IAH	BOS	1597
##	86312	N34131	122	101	-11	1	IAH	MCO	853
##	86318	N77296	197	174	-11	2	IAH	LAS	1222
##	86320	N77871	159	127	8	5	IAH	DEN	862
##	86322	N33289	157	133	2	1	IAH	DEN	862
##	86324	N12238	125	97	7	6	IAH	TPA	787
##	86327	N73299	187	158	12	-4	IAH	MSP	1034
##	86331	N73270	74	47	4	-3	IAH	MSY	305
##	86334	N16648	179	153	-2	-1	IAH	BWI	1235
##	86337	N76502	198	177	-12	-2	IAH	LGA	1416
##	86341	N37255	159	140	8	11	IAH	CLE	1091
##	86346	N13750	176	155	8	1	IAH	DCA	1208
##	86349	N34131	150	132	148	175	IAH	EGE	935
##	86350	N57863	284	259	14	8	IAH	SEA	1874
##	86353	N37427	259	238	90	99	IAH	SFO	1635

##	86358	N76505	231	206	20	16	IAH	BOS	1597
##	86361	N57857	125	101	-6	2	IAH	MCO	853
##	86367	N72405	197	170	-12	1	IAH	LAS	1222
##	86371	N24715	115	93	-11	-1	IAH	TPA	787
##	86372	N75425	280	258	3	1	IAH	PDX	1825
##	86375	N12238	61	45	-9	-4	IAH	MSY	305
##	86382	N76269	195	177	-1	-1	IAH	LGA	1416
##	86386	N77430	189	172	-15	8	IAH	SAN	1303
##	86387	N78438	183	168	-36	-2	IAH	SAN	1303
##	86388	N17229	58	28	1	-1	IAH	AUS	140
##	86389	N12225	174	145	11	0	IAH	CLE	1091
##	86390	N76526	166	139	8	2	IAH	ORD	925
##	86391	N38257	196	176	-1	3	IAH	SLC	1195
##	86393	N16646	132	93	7	-2	IAH	ATL	689
##	86394	N37287	197	172	-34	-1	IAH	SNA	1347
##	86398	N78501	71	49	39	36	IAH	MSY	305
##	86399	N33203	304	271	22	2	IAH	SEA	1874
##	86402	N14250	292	229	86	55	IAH	SFO	1635
##	86403	N14214	257	227	-13	0	IAH	SFO	1635
##	86404	N16217	192	160	2	1	IAH	PHL	1324
##	86409	N78866	125	103	-10	-2	IAH	MCO	853
##	86411	N24633	190	158	21	-2	IAH	DTW	1076
##	86414	N26210	206	183	-8	14	IAH	LAX	1379
##	86417	N57864	164	131	2	0	IAH	DEN	862
##	86423	N78013	189	162	-1	15	IAH	EWR	1400
##	86428	N35407	158	139	-13	6	IAH	PHX	1009
##	86434	N36207	114	93	-14	-4	IAH	TPA	787
##	86435	N17233	209	173	6	7	IAH	EWR	1400
##	86444	N38403	143	127	-2	7	IAH	ORD	925
##	86445	N33203	134	113	-11	-2	IAH	FLL	965
##	86449	N13718	174	157	-6	-5	IAH	DCA	1208
##	86452	N75410	253	230	64	71	IAH	SFO	1635
##	86455	N17245	58	35	-6	-2	IAH	SAT	191
##	86457	N57864	130	106	-6	3	IAH	MCO	853
##	86459	N78506	180	150	8	-4	IAH	DTW	1076
##	86461	N78506	212	188	-2	11	IAH	LAX	1379
##	86462	N26226	193	162	-17	-3	IAH	LAS	1222
##	86464	N17244	154	130	31	29	IAH	DEN	862
##	86473	N35260	52	28	3	8	IAH	AUS	140
##	86475	N35260	244	224	-16	-1	IAH	SJC	1609
##	86476	N58606	172	152	-11	-8	IAH	PIT	1117
##	86480	N12216	63	45	-2	1	IAH	MSY	305
##	86482	N17620	138	115	-12	-4	IAH	CLT	913
##	86488	N12221	134	112	-12	1	IAH	FLL	965
##	86492	N76529	202	182	-18	3	IAH	SNA	1347
##	86494	N19638	122	102	-21	0	IAH	RSW	861
##	86501	N33294	191	169	28	29	IAH	PHL	1324
##	86503	N75435	55	37	8	13	IAH	SAT	191
##	86505	N73270	172	142	6	5	IAH	DTW	1076
##	86508	N77865	197	176	-15	14	IAH	LAX	1379
##	86510	N73275	198	173	-17	-3	IAH	LAS	1222
##	86511	N79279	175	152	8	3	IAH	DCA	1208
##	86515	N30401	127	96	12	11	IAH	TPA	787
##	86517	N13718	223	187	-13	-4	IAH	SNA	1347

##	86522	N31412	49	28	0	6	IAH	AUS	140
##	86524	N62631	58	28	0	-4	IAH	AUS	140
##	86525	N13624	177	150	14	3	IAH	CLE	1091
##	86527	N37253	173	145	32	16	IAH	ORD	925
##	86529	N35407	131	116	-9	4	IAH	FLL	965
##	86536	N76529	117	100	-16	-3	IAH	RSW	861
##	86538	N14604	125	98	-1	0	IAH	MCI	643
##	86545	N77430	52	29	-1	3	IAH	AUS	140
##	86547	N36444	127	102	-3	7	IAH	MCO	853
##	86549	N76522	204	175	-8	3	IAH	SAN	1303
##	86550	N54241	140	112	-1	2	IAH	MIA	964
##	86558	N37287	55	28	1	2	IAH	AUS	140
##	86559	N14250	203	179	-12	10	IAH	LAX	1379
##	86566	N30401	162	140	-22	0	IAH	PHX	1009
##	86567	N14604	79	51	-5	-4	IAH	MFE	316
##	86568	N24212	65	44	-2	1	IAH	MSY	305
##	86570	N14704	200	181	-22	5	IAH	SNA	1347
##	86571	N16647	210	180	-1	-8	IAH	LGA	1416
##	86574	N16617	88	67	7	-3	IAH	MFE	316
##	86575	N73283	243	223	-6	6	IAH	SMF	1609
##	86577	N38443	162	137	12	3	IAH	ORD	925
##	86578	N76254	137	118	-9	0	IAH	FLL	965
##	86582	N73278	127	103	3	7	IAH	RSW	861
##	86585	N24633	119	95	-19	-5	IAH	ELP	667
##	86586	N75436	188	169	-2	2	IAH	PHL	1324
##	86589	N35204	58	36	-9	-2	IAH	SAT	191
##	86594	N14645	193	153	10	-10	IAH	DTW	1076
##	86595	N73259	202	173	-13	5	IAH	SAN	1303
##	86596	N17233	131	110	-11	6	IAH	MIA	964
##	86600	N78285	213	183	-8	10	IAH	LAX	1379
##	86605	N16234	69	56	-13	-3	IAH	MFE	316
##	86610	N14653	100	69	12	0	IAH	OKC	395
##	86612	N36444	245	223	-15	1	IAH	SMF	1609
##	86613	N19638	144	119	-11	-5	IAH	ABQ	744
##	86614	N39416	204	174	-1	8	IAH	SAN	1303
##	86616	N12218	195	176	-29	-2	IAH	ONT	1334
##	86621	N72405	156	132	-4	-5	IAH	ORD	925
##	86622	N14228	140	110	9	15	IAH	FLL	965
##	86624	N37419	115	90	-12	2	IAH	ATL	689
##	86629	N26215	300	278	15	-1	IAH	SEA	1874
##	86632	N37252	189	165	4	8	IAH	PHL	1324
##	86635	N76265	66	35	19	14	IAH	SAT	191
##	86636	N16647	143	126	-34	-1	IAH	TUS	936
##	86639	N27610	64	44	-11	-3	IAH	DFW	224
##	86641	N73251	130	111	-1	9	IAH	MIA	964
##	86644	N74856	217	181	5	15	IAH	LAX	1379
##	86653	N16709	225	188	-2	3	IAH	SNA	1347
##	86654	N62631	71	43	-4	-6	IAH	MSY	305
##	86657	N37413	136	111	3	9	IAH	PBI	956
##	86659	N33262	198	174	-12	-5	IAH	LGA	1416
##	86660	N33292	187	173	-15	-6	IAH	PHL	1324
##	86661	N17730	173	145	7	0	IAH	CLE	1091
##	86665	N17619	159	130	0	-2	IAH	RDU	1043
##	86668	N34222	142	114	7	0	IAH	OMA	781

##	86673	N76254	127	101	-1	10	IAH	MCO	853
##	86675	N32626	180	153	-6	-4	IAH	HDN	986
##	86678	N37273	237	220	114	138	IAH	SMF	1609
##	86683	N77066	501	482	8	12	IAH	HNL	3904
##	86688	N14214	67	47	0	2	IAH	MSY	305
##	86689	N37290	56	40	-4	0	IAH	SAT	191
##	86698	N27421	59	42	-8	2	IAH	MSY	305
##	86700	N16617	57	30	2	-2	IAH	AUS	140
##	86708	N76523	236	191	9	4	IAH	LAX	1379
##	86711	N14120	211	183	-13	2	IAH	LAX	1379
##	86716	N75861	154	123	16	19	IAH	DEN	862
##	86717		NA	NA	NA	NA	IAH	EWR	1400
##	86719	N12114	228	205	54	38	IAH	EWR	1400
##	86725		NA	NA	NA	NA	IAH	EWR	1400
##	86729	N68061	193	161	-21	-4	IAH	EWR	1400
##	86735	N12238	74	43	5	-1	IAH	MSY	305
##	86739	N79279	214	190	0	13	IAH	LAX	1379
##	86740	N75858	151	127	2	9	IAH	ORD	925
##	86743	N78285	203	183	-17	0	IAH	ONT	1334
##	86746	N27724	157	143	5	18	IAH	DCA	1208
##	86751	N18243	259	228	25	35	IAH	SFO	1635
##	86757	N76515	136	108	-3	4	IAH	MIA	964
##	86761	N77295	163	130	7	6	IAH	DEN	862
##	86766	N77430	118	94	11	17	IAH	TPA	787
##	86769	N13716	282	267	6	0	IAH	PDX	1825
##	86770	N35407	NA	NA	NA	8	IAH	EWR	1400
##	86772	N39415	238	222	-5	7	IAH	SJU	2007
##	86778	N57111	182	155	3	2	IAH	PHX	1009
##	86787		NA	NA	NA	NA	IAH	LGA	1416
##	86794	N16648	64	33	8	-3	IAH	AUS	140
##	86796	N59630	167	138	-6	-4	IAH	CLE	1091
##	86799	N16647	148	126	-10	1	IAH	RDU	1043
##	86805	N37253	164	139	-9	-2	IAH	DCA	1208
##	86811	N14228	156	124	2	1	IAH	DEN	862
##	86814		NA	NA	NA	NA	IAH	BOS	1597
##	86820	N37290	147	127	-9	-4	IAH	DEN	862
##	86825	N14250	292	273	21	8	IAH	PDX	1825
##	86826	N77867	189	159	-6	14	IAH	EWR	1400
##	86830	N37434	176	149	2	7	IAH	PHX	1009
##	86831	N76269	64	45	-7	-3	IAH	MSY	305
##	86833	N78509	190	147	28	12	IAH	BWI	1235
##	86837	N73276	180	160	-29	-1	IAH	LGA	1416
##	86849	N33209	157	141	-16	-3	IAH	DCA	1208
##	86855	N24212	254	230	-11	1	IAH	SFO	1635
##	86860	N36207	60	38	-4	-2	IAH	SAT	191
##	86867	N12225	184	165	-11	13	IAH	LAS	1222
##	86869	N12218	144	114	10	8	IAH	IND	845
##	86871	N17229	159	138	-21	-8	IAH	IAD	1190
##	86873	N78524	161	138	-14	-3	IAH	IAD	1190
##	86875	N15712	202	181	4	7	IAH	EWR	1400
##	86877	N12216	165	142	-11	-4	IAH	IAD	1190
##	86880	N87513	248	225	-10	0	IAH	SJC	1609
##	86881	N36272	69	45	4	4	IAH	MSY	305
##	86882	N14250	171	142	11	16	IAH	BWI	1235

##	86885	N17730	188	174	-18	-5	IAH	LGA	1416
##	86889	N14645	86	65	-4	-3	IAH	TUL	429
##	86890	N56859	150	118	-2	7	IAH	ORD	925
##	86892	N73283	148	128	63	69	IAH	ORD	925
##	86897	N33203	158	138	-11	1	IAH	DCA	1208
##	86901	N53442	285	269	7	2	IAH	SEA	1874
##	86907	N76265	68	35	6	4	IAH	SAT	191
##	86908		NA	NA	NA	NA	IAH	BOS	1597
##	86912	N57855	203	178	-5	0	IAH	LAS	1222
##	86914	N16617	155	115	8	-2	IAH	IND	845
##	86920		NA	NA	NA	NA	IAH	EWR	1400
##	86921	N24706	74	56	25	28	IAH	MFE	316
##	86927	N38424	175	151	0	6	IAH	PHX	1009
##	86933		NA	NA	NA	NA	IAH	LGA	1416
##	86934	N38257	162	137	5	6	IAH	PIT	1117
##	86939	N30401	189	175	-11	-3	IAH	SLC	1195
##	86940	N14613	173	143	-2	-5	IAH	CLE	1091
##	86941	N76515	147	127	-13	-3	IAH	ORD	925
##	86951	N29717	174	150	3	0	IAH	DCA	1208
##	86953	N78511	217	194	-5	8	IAH	SNA	1347
##	86959	N78438	256	228	-4	0	IAH	SFO	1635
##	86964		NA	NA	NA	NA	IAH	BOS	1597
##	86966	N12114	135	104	2	1	IAH	MCO	853
##	86972	N78501	200	172	-2	8	IAH	LAS	1222
##	86974	N74856	132	111	7	31	IAH	DEN	862
##	86976	N14230	154	128	9	11	IAH	DEN	862
##	86978	N73299	113	94	-9	2	IAH	TPA	787
##	86981	N33292	170	148	-3	-2	IAH	MSP	1034
##	86985	N33264	62	46	-3	2	IAH	MSY	305
##	86988	N62631	172	148	-9	-1	IAH	BWI	1235
##	86990	N17229	202	183	-9	-3	IAH	LGA	1416
##	86994	N35271	168	141	14	8	IAH	CLE	1091
##	86997	N13750	163	144	-9	-3	IAH	DCA	1208
##	87000	N16703	168	152	-13	-4	IAH	EGE	935
##	87002	N73860	285	262	17	10	IAH	SEA	1874
##	87005	N33209	242	223	-18	8	IAH	SFO	1635
##	87009		NA	NA	NA	NA	IAH	BOS	1597
##	87015	N75410	200	179	-12	-2	IAH	LAS	1222
##	87019	N13750	118	97	-10	-3	IAH	TPA	787
##	87020	N75426	296	264	90	72	IAH	PDX	1825
##	87029	N37277	188	162	24	31	IAH	LGA	1416
##	87033	N75435	211	184	-7	-1	IAH	SAN	1303
##	87034	N77525	169	144	6	0	IAH	CLE	1091
##	87035	N77510	152	128	-1	7	IAH	ORD	925
##	87036	N38257	192	172	-12	-4	IAH	SLC	1195
##	87038	N14653	123	88	-2	-2	IAH	ATL	689
##	87041	N78501	66	43	3	5	IAH	MSY	305
##	87042	N75436	294	270	11	1	IAH	SEA	1874
##	87045	N73283	241	218	-8	12	IAH	SFO	1635
##	87046	N37287	265	240	-1	4	IAH	SFO	1635
##	87047	N24211	183	157	-9	-1	IAH	PHL	1324
##	87052	N57864	117	98	-14	2	IAH	MCO	853
##	87055	N76508	224	194	-1	3	IAH	LAX	1379
##	87058	N77871	150	125	-9	3	IAH	DEN	862

##	87064	N76010	201	171	3	7	IAH	EWR	1400
##	87069	N38403	165	142	-4	8	IAH	PHX	1009
##	87076	N76502	201	159	2	11	IAH	EWR	1400
##	87084	N32404	143	120	17	26	IAH	ORD	925
##	87085	N14228	158	125	19	4	IAH	FLL	965
##	87089	N14704	157	138	-23	-5	IAH	DCA	1208
##	87092	N79402	250	231	3	13	IAH	SFO	1635
##	87095	N73259	61	44	5	6	IAH	SAT	191
##	87097	N77865	121	103	-17	1	IAH	MCO	853
##	87099	N16217	156	134	-11	1	IAH	DTW	1076
##	87101	N27205	204	175	-7	14	IAH	LAX	1379
##	87102	N18223	214	180	7	0	IAH	LAS	1222
##	87104	N33262	152	122	26	26	IAH	DEN	862
##	87113	N33264	50	31	2	9	IAH	AUS	140
##	87115	N33262	247	229	-13	-1	IAH	SJC	1609
##	87116	N37252	159	137	-13	-1	IAH	PIT	1117
##	87120	N35260	72	45	4	-2	IAH	MSY	305
##	87122	N14653	129	109	-20	-3	IAH	CLT	913
##	87131	N78524	209	186	-14	0	IAH	SNA	1347
##	87138	N33294	54	35	-7	-1	IAH	SAT	191
##	87140	N76254	171	140	1	1	IAH	DTW	1076
##	87142	N56859	222	197	-1	3	IAH	LAX	1379
##	87144	N24211	196	176	-7	9	IAH	LAS	1222
##	87148	N37408	115	95	-6	5	IAH	TPA	787
##	87149	N39728	218	192	-15	-1	IAH	SNA	1347
##	87153	N16217	48	31	22	29	IAH	AUS	140
##	87155	N17619	55	32	-7	-8	IAH	AUS	140
##	87156	N27610	164	138	-11	-9	IAH	CLE	1091
##	87158	N37287	149	125	14	22	IAH	ORD	925
##	87160	N32404	136	116	-9	-1	IAH	FLL	965
##	87164	N77520	57	29	0	-1	IAH	AUS	140
##	87168	N33294	122	101	-5	3	IAH	RSW	861
##	87170	N13624	121	94	-7	-2	IAH	MCI	643
##	87177	N75436	54	32	-1	1	IAH	AUS	140
##	87179	N30401	123	102	-12	2	IAH	MCO	853
##	87181	N27213	204	183	-7	4	IAH	SAN	1303
##	87182	N79279	137	113	3	9	IAH	MIA	964
##	87188	N78511	159	141	-7	4	IAH	DCA	1208
##	87194	N13750	69	54	1	12	IAH	MFE	316
##	87195	N78438	66	45	-4	-2	IAH	MSY	305
##	87197	N13716	208	193	-11	8	IAH	SNA	1347
##	87198	N58606	190	169	-16	-3	IAH	LGA	1416
##	87201	N26215	242	224	-6	7	IAH	SMF	1609
##	87203	N35271	145	129	-8	0	IAH	ORD	925
##	87204	N37255	135	117	-10	1	IAH	FLL	965
##	87208	N77296	123	101	-8	0	IAH	RSW	861
##	87212	N17620	139	97	1	-5	IAH	ELP	667
##	87213	N57439	181	160	-4	7	IAH	PHL	1324
##	87216	N77525	56	36	1	10	IAH	SAT	191
##	87221	N17614	166	139	-11	-4	IAH	DTW	1076
##	87222	N47414	203	175	-19	-2	IAH	SAN	1303
##	87226	N77258	225	193	-4	2	IAH	LAX	1379
##	87231	N26226	75	55	-5	-1	IAH	MFE	316
##	87235	N19623	86	62	3	5	IAH	OKC	395

##	87237	N75425	253	232	-12	-4	IAH	SMF	1609
##	87238	N62631	139	116	-11	0	IAH	ABQ	744
##	87239	N27421	195	175	-16	2	IAH	SAN	1303
##	87242	N12225	216	193	-5	1	IAH	ONT	1334
##	87246	N77865	156	124	-1	-2	IAH	ORD	925
##	87247	N77431	138	117	-7	1	IAH	FLL	965
##	87248	N13624	118	91	-13	-2	IAH	ATL	689
##	87252	N37427	290	272	5	-1	IAH	SEA	1874
##	87254	N73259	173	152	-20	0	IAH	PHL	1324
##	87256	N37273	60	37	4	5	IAH	SAT	191
##	87257	N13248	68	41	-5	-1	IAH	DFW	224
##	87259	N54241	141	114	6	5	IAH	MIA	964
##	87262	N77871	210	182	13	30	IAH	LAX	1379
##	87271	N21723	216	196	-8	6	IAH	SNA	1347
##	87274	N37253	135	114	-8	-1	IAH	PBI	956
##	87276		NA	NA	NA	NA	IAH	LGA	1416
##	87277	N73278	189	165	7	14	IAH	PHL	1324
##	87278	N16709	164	132	-1	1	IAH	CLE	1091
##	87282	N24706	140	123	-17	0	IAH	RDU	1043
##	87285	N36207	139	111	4	0	IAH	OMA	781
##	87290	N79402	128	101	-8	2	IAH	MCO	853
##	87292	N16647	180	160	-6	-4	IAH	HDN	986
##	87295	N16713	254	229	-9	-2	IAH	SMF	1609
##	87300	N67052	539	497	35	1	IAH	HNL	3904
##	87305	N37287	68	46	6	7	IAH	MSY	305
##	87306	N77295	62	39	3	1	IAH	SAT	191
##	87315	N27610	80	47	49	38	IAH	MSY	305
##	87317	N13248	53	30	3	3	IAH	AUS	140
##	87327	N13113	224	195	51	53	IAH	LAX	1379
##	87332	N75858	172	140	23	8	IAH	DEN	862
##	87333	N17122	210	164	31	29	IAH	EWR	1400
##	87335		NA	NA	NA	NA	IAH	EWR	1400
##	87341	N73256	190	159	-13	-3	IAH	EWR	1400
##	87345	N78060	196	168	-14	0	IAH	EWR	1400
##	87351	N57439	76	47	5	-3	IAH	MSY	305
##	87355	N26226	224	195	28	31	IAH	LAX	1379
##	87356	N77865	158	130	213	213	IAH	ORD	925
##	87359	N54241	221	191	41	40	IAH	ONT	1334
##	87362	N17730	156	131	-7	7	IAH	DCA	1208
##	87367	N31412	270	239	7	6	IAH	SFO	1635
##	87373	N37267	134	114	32	41	IAH	MIA	964
##	87377	N37252	171	136	11	2	IAH	DEN	862
##	87382	N75429	132	104	6	-2	IAH	TPA	787
##	87385	N23707	282	266	32	26	IAH	PDX	1825
##	87386	N77006	190	160	-19	5	IAH	EWR	1400
##	87388	N75435	251	226	1	0	IAH	SJU	2007
##	87394	N13110	200	155	38	19	IAH	PHX	1009
##	87403	N39728	189	159	-22	0	IAH	LGA	1416
##	87410	N24633	52	28	-3	-2	IAH	AUS	140
##	87412	N14639	160	133	-7	2	IAH	CLE	1091
##	87415	N16648	166	128	20	13	IAH	RDU	1043
##	87421	N27205	159	134	-12	0	IAH	DCA	1208
##	87427	N37253	180	136	28	3	IAH	DEN	862
##	87430	N77258	201	167	-22	-2	IAH	BOS	1597

##	87436	N24224	153	133	8	7	IAH	DEN	862
##	87441	N14230	281	266	0	-2	IAH	PDX	1825
##	87442	N57868	169	144	-32	8	IAH	EWR	1400
##	87445	N37290	173	146	-2	6	IAH	PHX	1009
##	87446	N73291	73	46	4	-1	IAH	MSY	305
##	87448		NA	NA	NA	NA	IAH	BWI	1235
##	87452	N73270	194	165	-17	-3	IAH	LGA	1416
##	87461	N13718	149	133	10	18	IAH	GUC	886
##	87470	N73299	253	228	-6	7	IAH	SFO	1635
##	87475	N29717	78	38	17	1	IAH	SAT	191
##	87482	N77258	210	179	-3	-2	IAH	LAS	1222
##	87484	N12238	119	102	23	46	IAH	IND	845
##	87486	N27213	159	133	-18	-5	IAH	IAD	1190
##	87488	N18223	164	139	-12	-4	IAH	IAD	1190
##	87490	N12218	207	173	8	6	IAH	EWR	1400
##	87492	N33294	160	136	-12	0	IAH	IAD	1190
##	87495	N87513	254	231	4	8	IAH	SJC	1609
##	87496	N33262	77	49	9	1	IAH	MSY	305
##	87497	N76505	162	140	-13	1	IAH	BWI	1235
##	87503	N16703	79	63	-7	1	IAH	TUL	429
##	87504	N76515	176	128	61	44	IAH	ORD	925
##	87506	N12225	208	158	77	23	IAH	ORD	925
##	87511	N76502	165	139	-1	4	IAH	DCA	1208
##	87515	N27421	300	281	32	12	IAH	SEA	1874
##	87521	N14250	58	39	-8	0	IAH	SAT	191
##	87522	N76516	216	181	-6	2	IAH	BOS	1597
##	87526	N57870	205	173	-3	0	IAH	LAS	1222
##	87528	N27610	124	107	29	50	IAH	IND	845
##	87534	N38424	186	164	7	26	IAH	EWR	1400
##	87535	N12225	73	53	1	5	IAH	MFE	316
##	87541	N53442	186	151	8	3	IAH	PHX	1009
##	87547	N36272	186	155	-1	18	IAH	LGA	1416
##	87548	N35407	144	119	-18	1	IAH	PIT	1117
##	87553	N75410	202	181	5	0	IAH	SLC	1195
##	87554	N14639	151	120	-27	-8	IAH	CLE	1091
##	87555		NA	NA	NA	NA	IAH	ORD	925
##	87564	N13716	158	136	-16	-3	IAH	DCA	1208
##	87571	N75410	265	232	6	9	IAH	SFO	1635
##	87576		NA	NA	NA	NA	IAH	BOS	1597
##	87578	N34131	126	100	24	32	IAH	MCO	853
##	87584	N24211	200	177	-3	7	IAH	LAS	1222
##	87586	N57855	166	135	24	14	IAH	DEN	862
##	87588	N24211	156	132	12	12	IAH	DEN	862
##	87590	N78285	117	94	-5	2	IAH	TPA	787
##	87593	N14230	154	135	36	53	IAH	MSP	1034
##	87597	N37263	77	50	16	6	IAH	MSY	305
##	87600	N14629	163	142	-24	-7	IAH	BWI	1235
##	87602	N17719	197	167	1	12	IAH	LGA	1416
##	87606	N37263	160	133	-3	-1	IAH	CLE	1091
##	87610	N35271	208	189	40	1	IAH	DCA	1208
##	87612	N38727	180	162	-7	-10	IAH	EGE	935
##	87614	N74856	305	278	40	13	IAH	SEA	1874
##	87620	N34282	197	171	-29	1	IAH	BOS	1597
##	87626	N38443	211	174	2	1	IAH	LAS	1222

## 87630	N12216	124	95	-6	-5	IAH	TPA	787
## 87631	N77510	274	245	4	8	IAH	PDX	1825
## 87640		NA	NA	NA	NA	IAH	LGA	1416
## 87644	N47414	214	183	-2	1	IAH	SAN	1303
## 87645	N73278	140	117	-20	3	IAH	CLE	1091
## 87646	N76529	155	128	220	225	IAH	ORD	925
## 87647	N35204	216	196	14	-2	IAH	SLC	1195
## 87649	N17614	117	86	-8	-2	IAH	ATL	689
## 87650	N87513	225	196	-6	-1	IAH	SNA	1347
## 87653	N27213	74	47	16	10	IAH	MSY	305
## 87654	N75426	294	269	41	31	IAH	SEA	1874
## 87657	N33203	256	232	20	25	IAH	SFO	1635
## 87658	N77296	269	235	4	5	IAH	SFO	1635
## 87659	N14242	171	144	-21	-1	IAH	PHL	1324
## 87664	N57864	125	102	22	30	IAH	MCO	853
## 87667	N17229	216	190	21	33	IAH	LAX	1379
## 87669	N56859	167	138	20	15	IAH	DEN	862
## 87675	N27015	185	160	-17	3	IAH	EWR	1400
## 87680	N32404	165	148	-11	1	IAH	PHX	1009
## 87686		NA	NA	NA	NA	IAH	EWR	1400
## 87694	N72405	142	123	-1	9	IAH	ORD	925
## 87695	N57111	135	115	-12	-4	IAH	FLL	965
## 87699	N23708	154	139	-24	-3	IAH	DCA	1208
## 87702	N37408	275	240	15	0	IAH	SFO	1635
## 87705	N14250	63	38	-2	-3	IAH	SAT	191
## 87707	N56859	136	101	3	6	IAH	MCO	853
## 87709	N24224	158	131	0	10	IAH	DTW	1076
## 87711	N77518	225	183	9	9	IAH	LAX	1379
## 87712	N37253	214	185	5	-2	IAH	LAS	1222
## 87714	N75851	151	124	-2	-1	IAH	DEN	862
## 87722	N76265	51	29	-5	1	IAH	AUS	140
## 87724	N37267	263	235	9	5	IAH	SJC	1609
## 87725	N17620	173	137	-7	-5	IAH	PIT	1117
## 87729	N17619	66	43	-1	-1	IAH	MSY	305
## 87731	N17614	126	106	-18	2	IAH	CLT	913
## 87740	N78509	208	191	2	17	IAH	SNA	1347
## 87746	N77295	64	40	10	6	IAH	SAT	191
## 87748	N39728	154	131	-16	1	IAH	DTW	1076
## 87750	N57868	227	183	-2	-3	IAH	LAX	1379
## 87755	N31412	117	99	-9	0	IAH	TPA	787
## 87756	N16701	231	198	7	8	IAH	SNA	1347
## 87762	N35407	53	29	20	22	IAH	AUS	140
## 87764	N13624	56	30	0	-2	IAH	AUS	140
## 87765	N32626	141	120	-35	-10	IAH	CLE	1091
## 87767	N14214	156	124	135	136	IAH	ORD	925
## 87769	N78438	151	114	10	3	IAH	FLL	965
## 87773	N76519	231	199	14	14	IAH	LAX	1379
## 87776	N77525	158	136	5	17	IAH	DCA	1208
## 87778	N78511	142	102	17	5	IAH	RSW	861
## 87782	N16647	140	96	11	-3	IAH	MCI	643
## 87789	N37290	56	31	-1	-1	IAH	AUS	140
## 87791	N77431	121	100	-15	1	IAH	MCO	853
## 87793	N73251	198	182	15	32	IAH	SAN	1303
## 87794	N75426	166	133	26	3	IAH	MIA	964

## 87800	N37255	63	33	14	7	IAH	AUS	140
## 87806	N14214	76	56	-5	-1	IAH	MFE	316
## 87807	N14628	74	49	5	-1	IAH	MSY	305
## 87809	N13750	227	203	-3	-3	IAH	SNA	1347
## 87810		NA	NA	NA	NA	IAH	LGA	1416
## 87814	N14228	247	225	8	16	IAH	SMF	1609
## 87816	N30401	165	131	264	252	IAH	ORD	925
## 87817	N14242	140	114	3	9	IAH	FLL	965
## 87821	N73291	126	105	-5	0	IAH	RSW	861
## 87825	N23708	130	103	1	4	IAH	ELP	667
## 87826	N27205	186	148	16	22	IAH	PHL	1324
## 87829	N29717	81	41	17	1	IAH	SAT	191
## 87834	N14645	173	134	-3	-3	IAH	DTW	1076
## 87835	N37298	209	181	9	20	IAH	SAN	1303
## 87839	N14237	234	190	7	4	IAH	LAX	1379
## 87844	N16617	95	59	10	-6	IAH	MFE	316
## 87848	N19638	85	65	-4	-1	IAH	OKC	395
## 87850	N35271	270	245	2	-7	IAH	SMF	1609
## 87851	N58606	148	120	-4	-2	IAH	ABQ	744
## 87852	N37277	202	185	-7	4	IAH	SAN	1303
## 87855	N73276	216	195	-5	-3	IAH	ONT	1334
## 87860	N74856	154	128	41	42	IAH	ORD	925
## 87861	N39423	130	112	-18	-2	IAH	FLL	965
## 87862	N17620	131	97	1	-1	IAH	ATL	689
## 87866	N37281	297	277	17	4	IAH	SEA	1874
## 87868	N77525	100	73	7	0	IAH	BHM	562
## 87870		NA	NA	NA	NA	IAH	PHL	1324
## 87872	N37273	67	45	12	6	IAH	SAT	191
## 87873	N14629	66	44	-10	-4	IAH	DFW	224
## 87875	N33203	139	110	-1	0	IAH	MIA	964
## 87878	N75861	213	181	24	38	IAH	LAX	1379
## 87887	N15710	219	191	-6	5	IAH	SNA	1347
## 87890	N38417	132	109	-9	1	IAH	PBI	956
## 87892	N35260	186	169	-21	-2	IAH	LGA	1416
## 87893	N35204	179	153	-7	10	IAH	PHL	1324
## 87894	N33286	153	125	-11	2	IAH	CLE	1091
## 87897	N14628	158	133	1	0	IAH	RDU	1043
## 87900	N19623	134	113	-2	-1	IAH	OMA	781
## 87904	N17229	137	104	-5	-4	IAH	MCO	853
## 87906	N19638	181	156	-8	-7	IAH	HDN	986
## 87909	N73270	260	232	3	4	IAH	SMF	1609
## 87913	N27724	98	73	-3	-2	IAH	BHM	562
## 87915	N76064	513	486	23	15	IAH	HNL	3904
## 87920	N38424	59	43	-3	7	IAH	MSY	305
## 87921	N24211	60	41	4	4	IAH	SAT	191
## 87930	N16648	68	39	16	17	IAH	MSY	305
## 87932	N76515	47	32	-7	-1	IAH	AUS	140
## 87940	N77520	236	195	36	31	IAH	LAX	1379
## 87943	N17104	228	191	21	19	IAH	LAX	1379
## 87948	N77871	172	137	17	2	IAH	DEN	862
## 87949	N67157	213	184	10	5	IAH	EWR	1400
## 87951	N73259	191	161	16	37	IAH	EWR	1400
## 87957	N11206	188	168	-14	-2	IAH	EWR	1400
## 87961	N76055	209	182	0	1	IAH	EWR	1400

##	87967	N39423	74	45	5	-1	IAH	MSY	305
##	87971	N37253	233	196	21	15	IAH	LAX	1379
##	87972	N57868	139	111	19	38	IAH	ORD	925
##	87975	N73291	222	197	8	6	IAH	ONT	1334
##	87978	N14704	162	141	-9	-1	IAH	DCA	1208
##	87983	N73406	276	255	7	0	IAH	SFO	1635
##	87990	N76269	129	112	35	49	IAH	MIA	964
##	87995	N75854	219	179	12	-1	IAH	LAS	1222
##	87997	N26215	163	135	5	4	IAH	DEN	862
##	88002	N37409	130	107	12	6	IAH	TPA	787
##	88005	N15712	NA	NA	NA	9	IAH	PDX	1825
##	88006	N38257	204	182	-8	2	IAH	EWR	1400
##	88008	N75426	257	235	102	95	IAH	SJU	2007
##	88014	N48127	187	159	10	4	IAH	PHX	1009
##	88020	N27610	174	150	-5	0	IAH	BWI	1235
##	88024	N24715	209	182	16	18	IAH	LGA	1416
##	88032	N19638	60	32	6	-1	IAH	AUS	140
##	88034	N59630	151	125	-13	5	IAH	CLE	1091
##	88037		NA	NA	NA	NA	IAH	RDU	1043
##	88044	N76529	159	137	7	19	IAH	DCA	1208
##	88048	N18220	296	277	14	2	IAH	SEA	1874
##	88051	N37434	271	248	24	18	IAH	SFO	1635
##	88052	N37252	178	138	34	11	IAH	DEN	862
##	88055	N33264	67	42	7	6	IAH	SAT	191
##	88056	N32626	210	186	-10	1	IAH	BOS	1597
##	88064	N39418	237	209	26	2	IAH	LAS	1222
##	88066	N76254	145	129	-4	3	IAH	DEN	862
##	88071	N38417	291	269	24	12	IAH	PDX	1825
##	88072	N77867	193	157	20	36	IAH	EWR	1400
##	88076	N45440	176	152	-3	2	IAH	PHX	1009
##	88078	N37273	63	45	-5	0	IAH	MSY	305
##	88080	N87513	165	147	-10	-1	IAH	BWI	1235
##	88084	N76265	195	165	-5	8	IAH	LGA	1416
##	88096	N39726	172	150	0	-2	IAH	DCA	1208
##	88104	N14228	289	255	40	17	IAH	SFO	1635
##	88110	N17619	63	42	-1	-2	IAH	SAT	191
##	88112	N33262	223	192	1	-1	IAH	BOS	1597
##	88118	N24212	211	187	9	6	IAH	LAS	1222
##	88120	N34282	140	99	0	2	IAH	IND	845
##	88122	N37274	219	200	0	-5	IAH	SAN	1303
##	88123	N23707	175	144	3	0	IAH	IAD	1190
##	88125	N33203	154	136	10	28	IAH	IAD	1190
##	88127	N66056	206	175	-2	-3	IAH	EWR	1400
##	88129	N76502	156	138	-17	-1	IAH	IAD	1190
##	88132	N76516	259	234	19	18	IAH	SJC	1609
##	88134	N36207	59	42	-7	3	IAH	MSY	305
##	88135	N78509	174	142	0	2	IAH	BWI	1235
##	88138	N17730	200	178	-4	-3	IAH	LGA	1416
##	88142	N27610	86	66	2	3	IAH	TUL	429
##	88143	N76515	153	114	0	6	IAH	ORD	925
##	88145	N12216	140	116	-19	-5	IAH	ORD	925
##	88150	N14250	168	146	0	2	IAH	DCA	1208
##	88154	N53442	284	265	27	23	IAH	SEA	1874
##	88160	N13248	70	41	2	-2	IAH	SAT	191

##	88163	N37293	214	187	-7	3	IAH	BOS	1597
##	88168	N73860	225	192	20	3	IAH	LAS	1222
##	88170	N38443	172	129	26	9	IAH	DEN	862
##	88171	N16648	149	103	2	-2	IAH	IND	845
##	88177	N37437	203	183	-1	1	IAH	EWR	1400
##	88178	N34282	74	54	-1	2	IAH	MFE	316
##	88184	N75432	187	157	9	3	IAH	PHX	1009
##	88191	N73270	215	177	9	-1	IAH	LGA	1416
##	88192	N72405	159	135	1	5	IAH	PIT	1117
##	88197	N35407	208	187	18	7	IAH	SLC	1195
##	88198	N19621	168	140	4	0	IAH	CLE	1091
##	88199	N14214	154	116	-4	-1	IAH	ORD	925
##	88209	N27724	163	139	-6	2	IAH	DCA	1208
##	88211	N76517	215	200	3	18	IAH	SNA	1347
##	88217	N75435	267	242	22	15	IAH	SFO	1635
##	88222	N33209	214	186	9	13	IAH	BOS	1597
##	88224	N14120	143	115	14	5	IAH	MCO	853
##	88230	N14242	210	185	2	2	IAH	LAS	1222
##	88232	N74856	165	132	16	7	IAH	DEN	862
##	88234	N36207	166	127	28	18	IAH	DEN	862
##	88236	N73283	116	94	-7	1	IAH	TPA	787
##	88239	N24224	172	134	19	18	IAH	MSP	1034
##	88243	N35260	69	48	2	0	IAH	MSY	305
##	88246	N14604	171	150	-10	-1	IAH	BWI	1235
##	88249	N33264	193	172	-5	10	IAH	LGA	1416
##	88253	N35260	150	125	-5	7	IAH	CLE	1091
##	88258	N73276	166	136	2	5	IAH	DCA	1208
##	88261	N34137	173	151	-5	-1	IAH	EGE	935
##	88262	N78866	291	272	20	7	IAH	SEA	1874
##	88269	N17619	206	189	76	97	IAH	BOS	1597
##	88272	N57857	141	102	9	1	IAH	MCO	853
##	88278	N31412	229	194	19	0	IAH	LAS	1222
##	88282	N15710	128	105	6	3	IAH	TPA	787
##	88283	N35407	308	284	41	11	IAH	PDX	1825
##	88286	N16217	62	41	2	6	IAH	MSY	305
##	88293	N13750	180	158	-3	12	IAH	LGA	1416
##	88297	N35204	209	193	8	11	IAH	SAN	1303
##	88298	N75435	210	190	-7	0	IAH	SAN	1303
##	88299	N38257	58	32	18	16	IAH	AUS	140
##	88300	N87512	165	130	10	8	IAH	CLE	1091
##	88301	N79521	147	120	-7	6	IAH	ORD	925
##	88302	N33286	209	188	8	-1	IAH	SLC	1195
##	88304		NA	NA	NA	NA	IAH	ATL	689
##	88307	N14242	60	44	9	17	IAH	MSY	305
##	88308	N47414	292	266	29	21	IAH	SEA	1874
##	88311	N33203	254	230	17	24	IAH	SFO	1635
##	88312	N78285	285	256	20	5	IAH	SFO	1635
##	88313	N24211	187	159	-2	2	IAH	PHL	1324
##	88318	N57864	124	105	33	42	IAH	MCO	853
##	88320	N17620	164	139	-5	-2	IAH	DTW	1076
##	88322	N73256	231	206	8	5	IAH	LAX	1379
##	88325	N56859	169	134	39	32	IAH	DEN	862
##	88331	N78004	180	150	-10	15	IAH	EWR	1400
##	88336	N27733	180	159	3	0	IAH	PHX	1009

##	88342	N73299	119	91	-8	-3	IAH	TPA	787
##	88343	N73251	183	157	-9	18	IAH	EWR	1400
##	88352	N75410	128	110	28	52	IAH	ORD	925
##	88353	N37253	131	113	-15	-3	IAH	FLL	965
##	88357	N16709	153	136	-9	13	IAH	DCA	1208
##	88360	N37408	276	244	19	3	IAH	SFO	1635
##	88363	N33209	62	42	-4	-4	IAH	SAT	191
##	88365	N56859	118	101	2	23	IAH	MCO	853
##	88367	N12216	153	129	-6	9	IAH	DTW	1076
##	88369	N17233	226	196	21	20	IAH	LAX	1379
##	88370	N37427	223	198	13	-3	IAH	LAS	1222
##	88372	N38443	173	135	37	16	IAH	DEN	862
##	88380	N77865	185	154	6	-2	IAH	PHX	1009
##	88382	N17229	61	33	4	0	IAH	AUS	140
##	88384	N73276	263	248	1	-3	IAH	SJC	1609
##	88385	N16647	171	133	5	9	IAH	PIT	1117
##	88389	N14645	60	42	-9	-3	IAH	MSY	305
##	88391		NA	NA	NA	NA	IAH	CLT	913
##	88397	N36280	143	112	4	8	IAH	FLL	965
##	88401	N77510	218	200	-7	-2	IAH	SNA	1347
##	88403	N17614	129	107	-7	7	IAH	RSW	861
##	88410	N24224	194	159	22	20	IAH	PHL	1324
##	88412	N33262	68	46	10	2	IAH	SAT	191
##	88414	N39728	141	122	50	80	IAH	DTW	1076
##	88417	N57869	236	209	16	6	IAH	LAX	1379
##	88419	N75436	210	189	3	5	IAH	LAS	1222
##	88420	N76265	168	141	-4	-2	IAH	DCA	1208
##	88424	N73406	107	91	-18	1	IAH	TPA	787
##	88426	N16709	228	200	-3	1	IAH	SNA	1347
##	88431	N12216	48	28	8	15	IAH	AUS	140
##	88433	N24633	62	31	4	-4	IAH	AUS	140
##	88434	N62631	160	136	-9	-3	IAH	CLE	1091
##	88436	N78285	155	117	32	34	IAH	ORD	925
##	88438	N76254	132	114	-3	9	IAH	FLL	965
##	88445	N77510	128	106	0	2	IAH	RSW	861
##	88447	N16703	106	90	-19	1	IAH	MCI	643
##	88455	N35204	60	34	16	12	IAH	AUS	140
##	88457	N57439	140	112	24	21	IAH	MCO	853
##	88459	N34222	217	188	8	6	IAH	SAN	1303
##	88460	N14228	129	112	-14	0	IAH	MIA	964
##	88467	N76517	59	33	13	10	IAH	AUS	140
##	88468	N26210	239	202	22	8	IAH	LAX	1379
##	88475	N76519	173	153	-14	-3	IAH	PHX	1009
##	88476	N38727	71	52	-8	1	IAH	MFE	316
##	88477	N29717	65	50	-3	0	IAH	MSY	305
##	88479	N27733	236	209	6	-3	IAH	SNA	1347
##	88480	N13718	184	161	-9	4	IAH	LGA	1416
##	88483	N17619	82	55	1	-3	IAH	MFE	316
##	88484	N26210	249	224	10	16	IAH	SMF	1609
##	88486	N79402	146	119	1	8	IAH	ORD	925
##	88487	N24202	129	112	-18	-1	IAH	FLL	965
##	88491	N39297	120	100	-14	-3	IAH	RSW	861
##	88494	N24633	128	105	-7	-2	IAH	ELP	667
##	88495	N26208	180	156	-1	11	IAH	PHL	1324

##	88498	N87512	56	41	-9	0	IAH	SAT	191
##	88503	N14653	162	131	-15	-4	IAH	DTW	1076
##	88504	N39726	210	188	9	19	IAH	SAN	1303
##	88505	N73251	139	112	-6	3	IAH	MIA	964
##	88509	N14231	227	202	15	19	IAH	LAX	1379
##	88514	N32626	74	55	11	16	IAH	MFE	316
##	88519	N14628	82	64	-4	2	IAH	OKC	395
##	88521	N17229	270	243	8	-1	IAH	SMF	1609
##	88522	N19623	148	117	162	164	IAH	ABQ	744
##	88523	N24211	210	195	-6	-3	IAH	SAN	1303
##	88525	N78511	216	195	-6	-4	IAH	ONT	1334
##	88530	N31412	153	116	2	4	IAH	ORD	925
##	88531	N37290	134	113	-13	-1	IAH	FLL	965
##	88533		NA	NA	NA	NA	IAH	ATL	689
##	88538	N33286	297	266	12	-1	IAH	SEA	1874
##	88541	N54241	198	155	23	18	IAH	PHL	1324
##	88544	N77296	67	42	14	8	IAH	SAT	191
##	88545	N59630	189	141	32	19	IAH	TUS	936
##	88548	N17627	81	41	7	-2	IAH	DFW	224
##	88550	N12218	NA	NA	NA	6	IAH	MIA	964
##	88553	N75858	227	196	21	21	IAH	LAX	1379
##	88562	N17719	220	200	-12	-2	IAH	SNA	1347
##	88563	N24633	64	42	-4	1	IAH	MSY	305
##	88566	N37427	129	111	-11	2	IAH	PBI	956
##	88568	N35271	184	160	-21	0	IAH	LGA	1416
##	88569	N27205	173	156	-23	0	IAH	PHL	1324
##	88570	N24702	154	131	15	27	IAH	CLE	1091
##	88574	N19623	155	123	-4	-2	IAH	RDU	1043
##	88577	N58606	136	108	38	37	IAH	OMA	781
##	88580	N38403	176	153	7	12	IAH	PHX	1009
##	88582	N14230	134	105	-1	3	IAH	MCO	853
##	88584	N16647	183	155	-7	-8	IAH	HDN	986
##	88587	N37273	256	239	-5	0	IAH	SMF	1609
##	88592	N69063	501	484	27	31	IAH	HNL	3904
##	88597	N37274	68	41	2	3	IAH	MSY	305
##	88598	N14652	63	39	42	39	IAH	SAT	191
##	88608	N16642	62	46	-4	3	IAH	MSY	305
##	88610	N62631	58	32	0	-5	IAH	AUS	140
##	88616	N76504	236	212	66	61	IAH	LAX	1379
##	88619	N14106	234	201	7	-1	IAH	LAX	1379
##	88624	N57868	159	120	41	39	IAH	DEN	862
##	88625	N69154	191	170	-11	6	IAH	EWR	1400
##	88627	N17105	190	162	4	26	IAH	EWR	1400
##	88631	N24729	183	162	-8	1	IAH	EWR	1400
##	88635	N68061	185	161	27	44	IAH	EWR	1400
##	88640	N27733	58	43	-10	0	IAH	MSY	305
##	88644	N14228	229	204	18	16	IAH	LAX	1379
##	88646	N57864	134	109	-11	13	IAH	ORD	925
##	88649	N77258	226	201	9	3	IAH	ONT	1334
##	88652	N29717	162	137	6	14	IAH	DCA	1208
##	88657	N30401	259	239	14	19	IAH	SFO	1635
##	88668	N16217	133	112	30	40	IAH	MIA	964
##	88673	N57862	192	173	18	27	IAH	LAS	1222
##	88675	N73275	137	114	-22	-2	IAH	DEN	862

##	88678	N78438	116	97	-3	5	IAH	TPA	787
##	88680	N16732	267	249	48	57	IAH	PDX	1825
##	88681	N32404	194	169	-4	16	IAH	EWR	1400
##	88683	N47414	235	219	50	60	IAH	SJU	2007
##	88688	N29124	172	152	14	18	IAH	PHX	1009
##	88693	N58606	174	152	19	19	IAH	BWI	1235
##	88697	N59630	204	174	-2	0	IAH	LGA	1416
##	88704	N24633	62	32	6	-3	IAH	AUS	140
##	88706	N46625	169	131	0	0	IAH	CLE	1091
##	88709	N35204	142	118	9	22	IAH	RDU	1043
##	88718	N17245	271	255	-10	3	IAH	SEA	1874
##	88721	N75436	258	239	15	17	IAH	SFO	1635
##	88722	N37287	159	122	29	25	IAH	DEN	862
##	88723	N37252	59	41	6	8	IAH	SAT	191
##	88728	N75428	198	178	6	16	IAH	LAS	1222
##	88729	N73299	144	121	-8	0	IAH	DEN	862
##	88733	N75429	256	240	-4	14	IAH	PDX	1825
##	88734	N75861	199	158	36	46	IAH	EWR	1400
##	88739	N75425	174	147	-3	4	IAH	PHX	1009
##	88741	N33266	65	44	10	13	IAH	MSY	305
##	88743	N78509	154	136	-13	7	IAH	BWI	1235
##	88754	N27724	203	184	49	3	IAH	GUC	886
##	88757	N37273	159	142	7	13	IAH	DCA	1208
##	88764	N12216	275	255	20	11	IAH	SFO	1635
##	88769	N13624	61	41	2	3	IAH	SAT	191
##	88771	N11206	207	186	4	13	IAH	BOS	1597
##	88777	N37413	212	191	5	1	IAH	LAS	1222
##	88779	N16732	117	99	-22	6	IAH	IND	845
##	88781	N16713	206	190	-2	1	IAH	SAN	1303
##	88782	N76254	149	131	-18	5	IAH	IAD	1190
##	88784	N14242	156	140	2	18	IAH	IAD	1190
##	88786	N67058	183	167	-13	1	IAH	EWR	1400
##	88788	N24212	171	134	106	107	IAH	IAD	1190
##	88790	N77510	261	242	18	15	IAH	SJC	1609
##	88792	N16642	104	59	45	10	IAH	MSY	305
##	88793	N58606	183	143	20	13	IAH	BWI	1235
##	88796	N78285	192	165	1	5	IAH	LGA	1416
##	88800	N59630	91	68	20	16	IAH	TUL	429
##	88801	N75429	153	117	19	25	IAH	ORD	925
##	88807	N37290	158	142	-2	10	IAH	DCA	1208
##	88811	N75436	264	247	101	117	IAH	SEA	1874
##	88817	N76265	72	36	26	20	IAH	SAT	191
##	88820	N76523	192	178	19	51	IAH	BOS	1597
##	88825	N12109	191	173	-5	4	IAH	LAS	1222
##	88827	N76502	145	120	10	15	IAH	DEN	862
##	88828	N17627	149	101	0	-4	IAH	IND	845
##	88832	N36247	198	173	13	12	IAH	EWR	1400
##	88833	N14242	74	55	29	32	IAH	MFE	316
##	88836	N39415	196	156	130	115	IAH	PHX	1009
##	88842	N37267	187	165	-8	10	IAH	LGA	1416
##	88843	N73406	141	124	-8	14	IAH	PIT	1117
##	88847	N27205	177	160	26	41	IAH	SLC	1195
##	88848	N78506	160	143	-2	-3	IAH	CLE	1091
##	88849	N35204	134	104	-13	5	IAH	ORD	925

##	88858	N13718	173	144	5	3	IAH	DCA	1208
##	88863	N38403	285	257	49	24	IAH	SFO	1635
##	88869	N27239	209	185	12	21	IAH	BOS	1597
##	88870	N17105	122	101	-9	-2	IAH	MCO	853
##	88876	N78285	221	195	41	30	IAH	LAS	1222
##	88878	N57869	142	122	0	14	IAH	DEN	862
##	88880	N24211	143	119	-7	6	IAH	DEN	862
##	88882	N76508	120	98	28	32	IAH	TPA	787
##	88885	N73251	183	141	34	22	IAH	MSP	1034
##	88889	N33262	64	46	58	61	IAH	MSY	305
##	88893	N35271	195	166	5	18	IAH	LGA	1416
##	88896	N39297	150	125	72	84	IAH	CLE	1091
##	88900	N37273	170	139	15	14	IAH	DCA	1208
##	88903	N34137	156	136	-15	1	IAH	EGE	935
##	88904	N57855	277	256	18	19	IAH	SEA	1874
##	88907	N76502	290	251	70	48	IAH	SFO	1635
##	88912	N17233	214	179	22	35	IAH	BOS	1597
##	88915	N74856	131	108	9	6	IAH	MCO	853
##	88920	N37408	212	185	6	4	IAH	LAS	1222
##	88924	N75410	290	257	18	6	IAH	PDX	1825
##	88927	N76508	56	43	9	14	IAH	MSY	305
##	88934	N33262	204	166	68	59	IAH	LGA	1416
##	88937	N24224	202	187	-2	8	IAH	SAN	1303
##	88938	N37413	198	182	-11	3	IAH	SAN	1303
##	88939	N87512	54	34	12	9	IAH	AUS	140
##	88940	N26210	137	120	-29	-3	IAH	CLE	1091
##	88941	N76517	134	109	-5	21	IAH	ORD	925
##	88942	N14250	188	167	10	22	IAH	SLC	1195
##	88944		NA	NA	NA	NA	IAH	ATL	689
##	88945	N77510	217	194	-5	3	IAH	SNA	1347
##	88949	N73278	NA	NA	NA	3	IAH	MSY	305
##	88950	N38424	277	258	7	14	IAH	SEA	1874
##	88953	N27213	283	258	42	20	IAH	SFO	1635
##	88954	N38403	256	234	-15	-3	IAH	SFO	1635
##	88959	N75854	127	101	8	14	IAH	MCO	853
##	88961	N39726	151	132	-4	3	IAH	DTW	1076
##	88964	N17229	239	209	29	18	IAH	LAX	1379
##	88967	N57868	142	118	-8	7	IAH	DEN	862
##	88970	N77006	217	161	23	11	IAH	EWR	1400
##	88974	N79402	185	160	27	19	IAH	PHX	1009
##	88981	N37253	120	97	11	10	IAH	TPA	787
##	88982	N77261	187	159	-15	14	IAH	EWR	1400
##	88990	N75854	130	112	-8	14	IAH	ORD	925
##	88991	N76517	128	111	-12	-2	IAH	FLL	965
##	88995	N14731	161	145	-10	-1	IAH	DCA	1208
##	88998	N38268	286	247	32	6	IAH	SFO	1635
##	89001	N39415	61	40	36	37	IAH	SAT	191
##	89003	N56859	126	101	41	54	IAH	MCO	853
##	89005	N27213	154	131	-9	5	IAH	DTW	1076
##	89007	N26210	236	207	26	15	IAH	LAX	1379
##	89008	N38257	179	166	-22	1	IAH	LAS	1222
##	89010	N33264	168	122	40	24	IAH	DEN	862
##	89019	N73276	54	31	13	16	IAH	AUS	140
##	89022	N76265	255	237	13	12	IAH	SJC	1609

##	89023	N19638	164	132	11	22	IAH	PIT	1117
##	89027	N73406	64	39	6	8	IAH	MSY	305
##	89034	N15710	137	114	2	7	IAH	FLL	965
##	89038	N87513	235	206	22	10	IAH	SNA	1347
##	89046	N19638	176	153	6	23	IAH	PHL	1324
##	89048	N24224	56	37	-2	2	IAH	SAT	191
##		TaxiIn	TaxiOut	Cancelled	CancellationCode	Diverted			
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##	5427	9	22	0		0			
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##	5444	6	9	0		0			
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##	5454	8	25	0		0			
##	6343	6	25	0		0			
##	6344	9	10	0		0			
##	6345	21	10	0		0			
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##	6347	7	13	0		0			
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##	6354	10	8	0		0			
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## 6359	12	12	0	0
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## 6361	14	14	0	0
## 6362	8	11	0	0
## 6363	11	8	0	0
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## 8210	10	40	0	0
## 8211	11	22	0	0
## 19266	16	12	0	0
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## 19269	9	11	0	0
## 19270	16	12	0	0
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## 19281	12	17	0	0
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## 23664	3	11	0	0
## 23665	7	10	0	0
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## 23667	36	13	0	0
## 23668	6	11	0	0
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## 23670	15	22	0	0
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## 23685	4	16	0	0
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## 35263	17	10	0		0
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## 35265	12	17	0		0
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## 87729	6	17	0		0
## 87731	5	15	0		0
## 87740	6	11	0		0
## 87746	7	17	0		0
## 87748	8	15	0		0
## 87750	9	35	0		0
## 87755	4	14	0		0
## 87756	7	26	0		0
## 87762	5	19	0		0
## 87764	7	19	0		0
## 87765	7	14	0		0

## 87767	14	18	0		0
## 87769	5	32	0		0
## 87773	13	19	0		0
## 87776	5	17	0		0
## 87778	7	33	0		0
## 87782	18	26	0		0
## 87789	4	21	0		0
## 87791	9	12	0		0
## 87793	3	13	0		0
## 87794	7	26	0		0
## 87800	4	26	0		0
## 87806	3	17	0		0
## 87807	6	19	0		0
## 87809	7	17	0		0
## 87810	NA	NA	1	B	0
## 87814	5	17	0		0
## 87816	16	18	0		0
## 87817	4	22	0		0
## 87821	6	15	0		0
## 87825	4	23	0		0
## 87826	13	25	0		0
## 87829	5	35	0		0
## 87834	10	29	0		0
## 87835	4	24	0		0
## 87839	11	33	0		0
## 87844	4	32	0		0
## 87848	5	15	0		0
## 87850	5	20	0		0
## 87851	7	21	0		0
## 87852	5	12	0		0
## 87855	4	17	0		0
## 87860	8	18	0		0
## 87861	4	14	0		0
## 87862	12	22	0		0
## 87866	4	16	0		0
## 87868	8	19	0		0
## 87870	NA	NA	1	B	0
## 87872	5	17	0		0
## 87873	5	17	0		0
## 87875	5	24	0		0
## 87878	12	20	0		0
## 87887	6	22	0		0
## 87890	6	17	0		0
## 87892	4	13	0		0
## 87893	12	14	0		0
## 87894	7	21	0		0
## 87897	2	23	0		0
## 87900	7	14	0		0
## 87904	7	26	0		0
## 87906	5	20	0		0
## 87909	5	23	0		0
## 87913	6	19	0		0
## 87915	11	16	0		0
## 87920	4	12	0		0

## 87921	4	15	0	0
## 87930	5	24	0	0
## 87932	5	10	0	0
## 87940	13	28	0	0
## 87943	8	29	0	0
## 87948	14	21	0	0
## 87949	13	16	0	0
## 87951	11	19	0	0
## 87957	7	13	0	0
## 87961	11	16	0	0
## 87967	5	24	0	0
## 87971	12	25	0	0
## 87972	13	15	0	0
## 87975	3	22	0	0
## 87978	5	16	0	0
## 87983	7	14	0	0
## 87990	5	12	0	0
## 87995	13	27	0	0
## 87997	9	19	0	0
## 88002	5	18	0	0
## 88005	5	12	0	1
## 88006	6	16	0	0
## 88008	5	17	0	0
## 88014	7	21	0	0
## 88020	5	19	0	0
## 88024	7	20	0	0
## 88032	9	19	0	0
## 88034	9	17	0	0
## 88037	NA	NA	1	0
## 88044	3	19	0	0
## 88048	6	13	0	0
## 88051	5	18	0	0
## 88052	15	25	0	0
## 88055	4	21	0	0
## 88056	8	16	0	0
## 88064	10	18	0	0
## 88066	7	9	0	0
## 88071	5	17	0	0
## 88072	9	27	0	0
## 88076	6	18	0	0
## 88078	6	12	0	0
## 88080	4	14	0	0
## 88084	7	23	0	0
## 88096	4	18	0	0
## 88104	10	24	0	0
## 88110	4	17	0	0
## 88112	5	26	0	0
## 88118	8	16	0	0
## 88120	4	37	0	0
## 88122	4	15	0	0
## 88123	7	24	0	0
## 88125	5	13	0	0
## 88127	12	19	0	0
## 88129	6	12	0	0

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## 88132	3	22	0	0
## 88134	3	14	0	0
## 88135	5	27	0	0
## 88138	4	18	0	0
## 88142	7	13	0	0
## 88143	11	28	0	0
## 88145	11	13	0	0
## 88150	3	19	0	0
## 88154	4	15	0	0
## 88160	5	24	0	0
## 88163	6	21	0	0
## 88168	14	19	0	0
## 88170	13	30	0	0
## 88171	4	42	0	0
## 88177	4	16	0	0
## 88178	5	15	0	0
## 88184	6	24	0	0
## 88191	4	34	0	0
## 88192	5	19	0	0
## 88197	3	18	0	0
## 88198	8	20	0	0
## 88199	19	19	0	0
## 88209	4	20	0	0
## 88211	5	10	0	0
## 88217	9	16	0	0
## 88222	7	21	0	0
## 88224	7	21	0	0
## 88230	7	18	0	0
## 88232	7	26	0	0
## 88234	9	30	0	0
## 88236	6	16	0	0
## 88239	9	29	0	0
## 88243	6	15	0	0
## 88246	6	15	0	0
## 88249	6	15	0	0
## 88253	5	20	0	0
## 88258	6	24	0	0
## 88261	5	17	0	0
## 88262	5	14	0	0
## 88269	6	11	0	0
## 88272	10	29	0	0
## 88278	11	24	0	0
## 88282	2	21	0	0
## 88283	6	18	0	0
## 88286	3	18	0	0
## 88293	5	17	0	0
## 88297	3	13	0	0
## 88298	3	17	0	0
## 88299	4	22	0	0
## 88300	7	28	0	0
## 88301	12	15	0	0
## 88302	4	17	0	0
## 88304	NA	NA	1	0
## 88307	5	11	0	0

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## 88308	5	21	0	0
## 88311	6	18	0	0
## 88312	6	23	0	0
## 88313	5	23	0	0
## 88318	5	14	0	0
## 88320	6	19	0	0
## 88322	5	20	0	0
## 88325	11	24	0	0
## 88331	12	18	0	0
## 88336	6	15	0	0
## 88342	6	22	0	0
## 88343	6	20	0	0
## 88352	5	13	0	0
## 88353	4	14	0	0
## 88357	3	14	0	0
## 88360	7	25	0	0
## 88363	2	18	0	0
## 88365	5	12	0	0
## 88367	6	18	0	0
## 88369	11	19	0	0
## 88370	11	14	0	0
## 88372	9	29	0	0
## 88380	7	24	0	0
## 88382	7	21	0	0
## 88384	3	12	0	0
## 88385	8	30	0	0
## 88389	3	15	0	0
## 88391	NA	NA	1	0
## 88397	5	26	0	0
## 88401	7	11	0	0
## 88403	3	19	0	0
## 88410	10	25	0	0
## 88412	5	17	0	0
## 88414	8	11	0	0
## 88417	9	18	0	0
## 88419	6	15	0	0
## 88420	4	23	0	0
## 88424	4	12	0	0
## 88426	7	21	0	0
## 88431	5	15	0	0
## 88433	5	26	0	0
## 88434	5	19	0	0
## 88436	16	22	0	0
## 88438	3	15	0	0
## 88445	4	18	0	0
## 88447	7	9	0	0
## 88455	5	21	0	0
## 88457	9	19	0	0
## 88459	4	25	0	0
## 88460	3	14	0	0
## 88467	7	19	0	0
## 88468	10	27	0	0
## 88475	5	15	0	0
## 88476	3	16	0	0

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## 88477	4	11	0	0
## 88479	6	21	0	0
## 88480	6	17	0	0
## 88483	6	21	0	0
## 88484	6	19	0	0
## 88486	12	15	0	0
## 88487	4	13	0	0
## 88491	5	15	0	0
## 88494	3	20	0	0
## 88495	6	18	0	0
## 88498	3	12	0	0
## 88503	9	22	0	0
## 88504	5	17	0	0
## 88505	5	22	0	0
## 88509	9	16	0	0
## 88514	6	13	0	0
## 88519	5	13	0	0
## 88521	5	22	0	0
## 88522	8	23	0	0
## 88523	4	11	0	0
## 88525	6	15	0	0
## 88530	13	24	0	0
## 88531	4	17	0	0
## 88533	NA	NA	1	0
## 88538	5	26	0	0
## 88541	10	33	0	0
## 88544	3	22	0	0
## 88545	5	43	0	0
## 88548	10	30	0	0
## 88550	6	15	0	1
## 88553	11	20	0	0
## 88562	4	16	0	0
## 88563	4	18	0	0
## 88566	4	14	0	0
## 88568	3	21	0	0
## 88569	5	12	0	0
## 88570	6	17	0	0
## 88574	11	21	0	0
## 88577	7	21	0	0
## 88580	5	18	0	0
## 88582	8	21	0	0
## 88584	6	22	0	0
## 88587	4	13	0	0
## 88592	5	12	0	0
## 88597	3	24	0	0
## 88598	5	19	0	0
## 88608	5	11	0	0
## 88610	5	21	0	0
## 88616	9	15	0	0
## 88619	15	18	0	0
## 88624	11	28	0	0
## 88625	10	11	0	0
## 88627	12	16	0	0
## 88631	8	13	0	0

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## 88635	13	11	0	0
## 88640	3	12	0	0
## 88644	9	16	0	0
## 88646	14	11	0	0
## 88649	7	18	0	0
## 88652	5	20	0	0
## 88657	7	13	0	0
## 88668	6	15	0	0
## 88673	8	11	0	0
## 88675	7	16	0	0
## 88678	5	14	0	0
## 88680	5	13	0	0
## 88681	9	16	0	0
## 88683	4	12	0	0
## 88688	5	15	0	0
## 88693	7	15	0	0
## 88697	14	16	0	0
## 88704	5	25	0	0
## 88706	8	30	0	0
## 88709	6	18	0	0
## 88718	6	10	0	0
## 88721	6	13	0	0
## 88722	17	20	0	0
## 88723	4	14	0	0
## 88728	8	12	0	0
## 88729	7	16	0	0
## 88733	5	11	0	0
## 88734	9	32	0	0
## 88739	6	21	0	0
## 88741	3	18	0	0
## 88743	6	12	0	0
## 88754	5	14	0	0
## 88757	3	14	0	0
## 88764	5	15	0	0
## 88769	4	16	0	0
## 88771	8	13	0	0
## 88777	7	14	0	0
## 88779	6	12	0	0
## 88781	4	12	0	0
## 88782	6	12	0	0
## 88784	5	11	0	0
## 88786	8	8	0	0
## 88788	9	28	0	0
## 88790	2	17	0	0
## 88792	30	15	0	0
## 88793	7	33	0	0
## 88796	9	18	0	0
## 88800	3	20	0	0
## 88801	5	31	0	0
## 88807	4	12	0	0
## 88811	5	12	0	0
## 88817	3	33	0	0
## 88820	5	9	0	0
## 88825	7	11	0	0

## 88827	10	15	0	0
## 88828	5	43	0	0
## 88832	8	17	0	0
## 88833	5	14	0	0
## 88836	3	37	0	0
## 88842	6	16	0	0
## 88843	7	10	0	0
## 88847	6	11	0	0
## 88848	5	12	0	0
## 88849	14	16	0	0
## 88858	3	26	0	0
## 88863	8	20	0	0
## 88869	7	17	0	0
## 88870	9	12	0	0
## 88876	11	15	0	0
## 88878	9	11	0	0
## 88880	13	11	0	0
## 88882	4	18	0	0
## 88885	7	35	0	0
## 88889	3	15	0	0
## 88893	8	21	0	0
## 88896	5	20	0	0
## 88900	4	27	0	0
## 88903	9	11	0	0
## 88904	10	11	0	0
## 88907	8	31	0	0
## 88912	8	27	0	0
## 88915	7	16	0	0
## 88920	7	20	0	0
## 88924	6	27	0	0
## 88927	3	10	0	0
## 88934	5	33	0	0
## 88937	3	12	0	0
## 88938	3	13	0	0
## 88939	4	16	0	0
## 88940	7	10	0	0
## 88941	12	13	0	0
## 88942	5	16	0	0
## 88944	NA	NA	1	0
## 88945	7	16	0	0
## 88949	3	21	0	1
## 88950	6	13	0	0
## 88953	9	16	0	0
## 88954	6	16	0	0
## 88959	7	19	0	0
## 88961	8	11	0	0
## 88964	6	24	0	0
## 88967	13	11	0	0
## 88970	36	20	0	0
## 88974	7	18	0	0
## 88981	5	18	0	0
## 88982	8	20	0	0
## 88990	7	11	0	0
## 88991	3	14	0	0

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```
## 88995      6      10      0      0
## 88998      6      33      0      0
## 89001      5      16      0      0
## 89003     10      15      0      0
## 89005     11      12      0      0
## 89007     15      14      0      0
## 89008      4       9      0      0
## 89010     27      19      0      0
## 89019      5      18      0      0
## 89022      3      15      0      0
## 89023      7      25      0      0
## 89027      4      21      0      0
## 89034      4      19      0      0
## 89038      7      22      0      0
## 89046      5      18      0      0
## 89048      2      17      0      0
## [ reached 'max' / getOption("max.print") -- omitted 222735 rows ]
```

```
class(hflights::hflights)
```

```
## [1] "data.frame"
```

Create a tibble

as_tibble() - From data frame (conversion)

```
# Convert hflights data frame
library(hflights)
class(hflights)
```

```
## [1] "data.frame"
```

```
dft <- as_tibble(hflights)
dft
```

```
## # A tibble: 227,496 x 21
##   Year Month DayOfMonth DayOfWeek DepTime ArrTime UniqueCarrier FlightNum
##   <int> <int>      <int>      <int>   <int>   <int> <chr>          <int>
## 1  2011     1         1         6    1400    1500 AA            428
## 2  2011     1         2         7    1401    1501 AA            428
## 3  2011     1         3         1    1352    1502 AA            428
## 4  2011     1         4         2    1403    1513 AA            428
## 5  2011     1         5         3    1405    1507 AA            428
## 6  2011     1         6         4    1359    1503 AA            428
## 7  2011     1         7         5    1359    1509 AA            428
## 8  2011     1         8         6    1355    1454 AA            428
## 9  2011     1         9         7    1443    1554 AA            428
## 10 2011     1        10         1    1443    1553 AA            428
## # i 227,486 more rows
## # i 13 more variables: TailNum <chr>, ActualElapsedTime <int>, AirTime <int>,
## #   ArrDelay <int>, DepDelay <int>, Origin <chr>, Dest <chr>, Distance <int>,
## #   TaxiIn <int>, TaxiOut <int>, Cancelled <int>, CancellationCode <chr>,
## #   Diverted <int>
```

```
class(dft)
```

```
## [1] "tbl_df"      "tbl"        "data.frame"
```

```
# Convert custom data frame
df <- data.frame(x = 1:10,
                 y = seq.Date(from = as.Date("2021-01-01"),
                              to = as.Date("2021-01-10"),
                              by = "day"))
```

```
df
```

```
##      x      y
## 1    1 2021-01-01
## 2    2 2021-01-02
## 3    3 2021-01-03
## 4    4 2021-01-04
## 5    5 2021-01-05
## 6    6 2021-01-06
## 7    7 2021-01-07
## 8    8 2021-01-08
## 9    9 2021-01-09
## 10  10 2021-01-10
```

```
class(df)
```

```
## [1] "data.frame"
```

```
dft <- as_tibble(df)
dft
```

```
## # A tibble: 10 x 2
##       x y
##   <int> <date>
## 1     1 2021-01-01
## 2     2 2021-01-02
## 3     3 2021-01-03
## 4     4 2021-01-04
## 5     5 2021-01-05
## 6     6 2021-01-06
## 7     7 2021-01-07
## 8     8 2021-01-08
## 9     9 2021-01-09
## 10    10 2021-01-10
```

```
class(dft)
```

```
## [1] "tbl_df"      "tbl"        "data.frame"
```

```
# tibble() - Create custom tibble
tibble(v1 = seq(from = 1, to = 100, by = 1),
       v2 = pi,
       v3 = sqrt(v1),
       v4 = seq.Date(from = as.Date("2021-01-01"),
                      length.out = 100,
                      by = "day"))
```

```
## # A tibble: 100 x 4
##       v1    v2    v3 v4
##   <dbl> <dbl> <dbl> <date>
## 1     1  3.14     1 2021-01-01
## 2     2  3.14    1.41 2021-01-02
```

```
## 3      3 3.14 1.73 2021-01-03
## 4      4 3.14 2    2021-01-04
## 5      5 3.14 2.24 2021-01-05
## 6      6 3.14 2.45 2021-01-06
## 7      7 3.14 2.65 2021-01-07
## 8      8 3.14 2.83 2021-01-08
## 9      9 3.14 3    2021-01-09
## 10     10 3.14 3.16 2021-01-10
## # i 90 more rows

# Use strange non-syntactic column names
tibble(`123` = 123,
       `.` = "period",
       `,` = "comma",
       `,*/+-?!` = "strange name")
```

```
## # A tibble: 1 x 4
##   `123` .      `,*/+-?!`
##   <dbl> <chr> <chr> <chr>
## 1   123 period comma strange name
```

```
# tribble() - Create transposed tibble
tribble(
  ~name, ~surname, ~male, ~age, # header
  #-----#
  "Max", "Smith", T, 35,
  "Lily", "Brown", F, 27
)
```

```
## # A tibble: 2 x 4
##   name surname male age
##   <chr> <chr> <lgl> <dbl>
## 1 Max   Smith   TRUE   35
## 2 Lily  Brown   FALSE  27
```

data.frame VS tibbles

```
# Print output
hflights %>% as_tibble()
```

```
## # A tibble: 227,496 x 21
##   Year Month DayofMonth DayOfWeek DepTime ArrTime UniqueCarrier FlightNum
##   <int> <int>      <int>      <int> <int>      <int> <chr>      <int>
## 1 2011     1         1         6    1400      1500 AA         428
## 2 2011     1         2         7    1401      1501 AA         428
## 3 2011     1         3         1    1352      1502 AA         428
## 4 2011     1         4         2    1403      1513 AA         428
## 5 2011     1         5         3    1405      1507 AA         428
## 6 2011     1         6         4    1359      1503 AA         428
## 7 2011     1         7         5    1359      1509 AA         428
## 8 2011     1         8         6    1355      1454 AA         428
## 9 2011     1         9         7    1443      1554 AA         428
## 10 2011     1        10         1    1443      1553 AA         428
## # i 227,486 more rows
## # i 13 more variables: TailNum <chr>, ActualElapsedTime <int>, AirTime <int>,
## #   ArrDelay <int>, DepDelay <int>, Origin <chr>, Dest <chr>, Distance <int>,
```

```
## #   TaxiIn <int>, TaxiOut <int>, Cancelled <int>, CancellationCode <chr>,
## #   Diverted <int>
```

```
hflights
```

##	Year	Month	DayofMonth	DayOfWeek	DepTime	ArrTime	UniqueCarrier	FlightNum
## 5424	2011	1	1	6	1400	1500	AA	428
## 5425	2011	1	2	7	1401	1501	AA	428
## 5426	2011	1	3	1	1352	1502	AA	428
## 5427	2011	1	4	2	1403	1513	AA	428
## 5428	2011	1	5	3	1405	1507	AA	428
## 5429	2011	1	6	4	1359	1503	AA	428
## 5430	2011	1	7	5	1359	1509	AA	428
## 5431	2011	1	8	6	1355	1454	AA	428
## 5432	2011	1	9	7	1443	1554	AA	428
## 5433	2011	1	10	1	1443	1553	AA	428
## 5434	2011	1	11	2	1429	1539	AA	428
## 5435	2011	1	12	3	1419	1515	AA	428
## 5436	2011	1	13	4	1358	1501	AA	428
## 5437	2011	1	14	5	1357	1504	AA	428
## 5438	2011	1	15	6	1359	1459	AA	428
## 5439	2011	1	16	7	1359	1509	AA	428
## 5440	2011	1	17	1	1530	1634	AA	428
## 5441	2011	1	18	2	1408	1508	AA	428
## 5442	2011	1	19	3	1356	1503	AA	428
## 5443	2011	1	20	4	1507	1622	AA	428
## 5444	2011	1	21	5	1357	1459	AA	428
## 5445	2011	1	22	6	1355	1456	AA	428
## 5446	2011	1	23	7	1356	1501	AA	428
## 5447	2011	1	24	1	1356	1513	AA	428
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## 74691 2011	1	31	1	607	1022	C0	89
## 74695 2011	1	31	1	1041	1449	C0	106
## 74701 2011	1	31	1	728	856	C0	128
## 74705 2011	1	31	1	1433	1629	C0	137
## 74706 2011	1	31	1	1422	1647	C0	146
## 74709 2011	1	31	1	1750	1921	C0	150
## 74712 2011	1	31	1	1442	1842	C0	158
## 74717 2011	1	31	1	851	1052	C0	170

## 74724 2011	1	31	1	1919	2231	C0	190
## 74729 2011	1	31	1	1155	1324	C0	197
## 74731 2011	1	31	1	726	915	C0	199
## 74736 2011	1	31	1	1259	1554	C0	206
## 74739 2011	1	31	1	2116	2344	C0	209
## 74740 2011	1	31	1	1551	2009	C0	210
## 74742 2011	1	31	1	1024	1621	C0	212
## 74748 2011	1	31	1	912	1138	C0	220
## 74754 2011	1	31	1	1020	1421	C0	226
## 74758 2011	1	31	1	916	1336	C0	232
## 74765 2011	1	31	1	1301	1356	C0	241
## 74767 2011	1	31	1	1554	1918	C0	244
## 74770 2011	1	31	1	1850	2211	C0	250
## 74777 2011	1	31	1	727	1120	C0	258
## 74781 2011	1	31	1	1240	1526	C0	267
## 74784 2011	1	31	1	1129	1351	C0	270
## 74785 2011	1	31	1	1615	1741	C0	275
## 74788 2011	1	31	1	1145	1255	C0	279
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## 74796 2011	1	31	1	1046	1221	C0	297
## 74798 2011	1	31	1	2102	2216	C0	299
## 74803 2011	1	31	1	854	1137	C0	309
## 74804 2011	1	31	1	1949	2	C0	310
## 74808 2011	1	31	1	1431	1643	C0	320
## 74810 2011	1	31	1	1312	1413	C0	323
## 74812 2011	1	31	1	1248	1628	C0	326
## 74816 2011	1	31	1	742	1217	C0	332
## 74828 2011	1	31	1	1033	1420	C0	358
## 74836 2011	1	31	1	1432	1656	C0	370
## 74842 2011	1	31	1	1320	1420	C0	379
## 74844 2011	1	31	1	1047	1526	C0	382
## 74850 2011	1	31	1	1902	2022	C0	397
## 74852 2011	1	31	1	1316	1643	C0	400
## 74854 2011	1	31	1	1031	1203	C0	403
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## 74870 2011	1	31	1	1049	1507	C0	432
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## 74882 2011	1	31	1	1250	1638	C0	458
## 74886 2011	1	31	1	2157	53	C0	467
## 74892 2011	1	31	1	1911	2011	C0	479
## 74895 2011	1	31	1	1305	1746	C0	482
## 74900 2011	1	31	1	906	1056	C0	497
## 74902 2011	1	31	1	1148	1327	C0	499
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## 74923 2011	1	31	1	1322	1807	C0	532
## 74924 2011	1	31	1	1257	1627	C0	534
## 74929 2011	1	31	1	934	1149	C0	542
## 74930 2011	1	31	1	638	1021	C0	544
## 74931 2011	1	31	1	1146	1421	C0	546
## 74941 2011	1	31	1	1611	1955	C0	558
## 74943 2011	1	31	1	917	1120	C0	559
## 74949 2011	1	31	1	1748	2001	C0	570
## 74954 2011	1	31	1	1901	2332	C0	582
## 74956 2011	1	31	1	740	1052	C0	586
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## 74964 2011	1	31	1	1429	1608	C0	599
## 74966 2011	1	31	1	1313	1516	C0	601
## 74968 2011	1	31	1	1540	1833	C0	606
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## 74975 2011	1	31	1	1429	1542	C0	623
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## 74981 2011	1	31	1	1543	1948	C0	632
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## 75004 2011	1	31	1	1034	1348	C0	686
## 75010 2011	1	31	1	1440	1630	C0	697
## 75014 2011	1	31	1	749	1044	C0	706
## 75015 2011	1	31	1	1807	2030	C0	709
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## 75025 2011	1	31	1	1940	2349	C0	732
## 75029 2011	1	31	1	1239	1409	C0	738
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## 75039 2011	1	31	1	1653	1748	C0	763
## 75040 2011	1	31	1	1440	1731	C0	767
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## 75044 2011	1	31	1	729	1002	C0	771
## 75045 2011	1	31	1	722	1125	C0	776
## 75050 2011	1	31	1	1347	1654	C0	786
## 75052 2011	1	31	1	1012	1351	C0	788
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## 75057 2011	1	31	1	842	1027	C0	799
## 75062 2011	1	31	1	1311	1731	C0	810
## 75067 2011	1	31	1	2105	2311	C0	820
## 75073 2011	1	31	1	1107	1352	C0	1006
## 75074 2011	1	31	1	1805	2211	C0	1010
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##	75336	2011	1	30	7	1525	1626	C0	33
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##	75344	2011	1	30	7	1914	2125	C0	47
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##	75618	2011	1	30	7	1921	2321	CO	644
##	75622	2011	1	30	7	1908	2300	CO	658
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##	75629	2011	1	30	7	1931	2159	CO	670
##	75634	2011	1	30	7	1553	2030	CO	682
##	75637	2011	1	30	7	1034	1356	CO	686
##	75642	2011	1	30	7	1452	1610	CO	697
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##	75671	2011	1	30	7	1653	1757	CO	763
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##	75676	2011	1	30	7	729	936	CO	771
##	75681	2011	1	30	7	1342	1648	CO	786
##	75683	2011	1	30	7	1102	1443	CO	788
##	75686	2011	1	30	7	1540	1728	CO	795
##	75689	2011	1	30	7	845	1015	CO	799
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##	75694	2011	1	30	7	2106	2259	CO	820
##	75701	2011	1	30	7	1053	1411	CO	1006
##	75702	2011	1	30	7	1812	2234	CO	1010
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##	75711	2011	1	30	7	727	1040	CO	1048
##	75715	2011	1	30	7	851	1230	CO	1058
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##	75721	2011	1	30	7	1441	1534	CO	1079
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##	75727	2011	1	30	7	2105	2302	CO	1095
##	75728	2011	1	30	7	725	839	CO	1097
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##	75742	2011	1	30	7	915	1128	CO	1416
##	75743	2011	1	30	7	1904	2305	CO	1417
##	75747	2011	1	30	7	2123	2223	CO	1423
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##	75758	2011	1	30	7	2050	2227	CO	1459
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##	75768	2011	1	30	7	2104	2200	CO	1479
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## 75792 2011	1	30	7	1323	1639	C0	1548
## 75795 2011	1	30	7	1813	1914	C0	1558
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## 75809 2011	1	30	7	1919	2242	C0	1586
## 75811 2011	1	30	7	1451	1628	C0	1589
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## 75820 2011	1	30	7	1319	1515	C0	1605
## 75827 2011	1	30	7	1137	1351	C0	1620
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## 75836 2011	1	30	7	2057	2258	C0	1644
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## 75847 2011	1	30	7	1605	2006	C0	1676
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## 75860 2011	1	30	7	1345	1547	C0	1695
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## 75875 2011	1	30	7	935	1105	C0	1723
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##	76722	2011	1	28	5	1255	1645	CO	458
##	76726	2011	1	28	5	2115	2349	CO	467
##	76732	2011	1	28	5	1910	2004	CO	479
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## 76844	2011	1	28	5	1037	1338	C0	686
## 76850	2011	1	28	5	1437	1539	C0	697
## 76854	2011	1	28	5	753	1043	C0	706
## 76855	2011	1	28	5	1806	2036	C0	709
## 76858	2011	1	28	5	1133	1241	C0	723
## 76865	2011	1	28	5	1903	2337	C0	732
## 76869	2011	1	28	5	1325	1427	C0	738
## 76870	2011	1	28	5	905	1017	C0	739
## 76871	2011	1	28	5	1217	1306	C0	741
## 76872	2011	1	28	5	1308	1702	C0	744
## 76873	2011	1	28	5	1502	1729	C0	746
## 76874	2011	1	28	5	2132	2327	C0	752
## 76876	2011	1	28	5	1948	2252	C0	755
## 76877	2011	1	28	5	919	1038	C0	756
## 76881	2011	1	28	5	1659	1802	C0	763
## 76882	2011	1	28	5	1451	1732	C0	767
## 76885	2011	1	28	5	2154	31	C0	770
## 76886	2011	1	28	5	734	943	C0	771
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## 76894	2011	1	28	5	1010	1433	C0	788
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## 76916	2011	1	28	5	1050	1355	C0	1006
## 76917	2011	1	28	5	1755	2245	C0	1010
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## 76987 2011	1	28	5	1928	2326	C0	1488
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##	77183	2011	1	27	4	1547	1634	CO	35
##	77191	2011	1	27	4	1918	2054	CO	47
##	77194	2011	1	27	4	746	915	CO	52
##	77199	2011	1	27	4	2017	2135	CO	59
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##	77202	2011	1	27	4	1458	1921	CO	62
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##	77218	2011	1	27	4	729	845	CO	128
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##	77224	2011	1	27	4	1305	1547	CO	146
##	77227	2011	1	27	4	2137	2254	CO	150
##	77230	2011	1	27	4	1443	1822	CO	158
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##	77328	2011	1	27	4	1430	1619	CO	320

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## 77372	2011	1	27	4	1809	1919	CO	397
## 77374	2011	1	27	4	1310	1628	CO	400
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## 77422	2011	1	27	4	907	1027	CO	497
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## 77431	2011	1	27	4	1102	1621	CO	510
## 77432	2011	1	27	4	2059	2207	CO	511
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## 77486	2011	1	27	4	1308	1438	CO	601
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## 77915 2011	1	26	3	851	1055	CO	170
## 77921 2011	1	26	3	1918	2227	CO	190
## 77925 2011	1	26	3	736	911	CO	199
## 77930 2011	1	26	3	1300	1601	CO	206
## 77933 2011	1	26	3	2122	2346	CO	209
## 77934 2011	1	26	3	NA	NA	CO	210
## 77936 2011	1	26	3	1012	1632	CO	212
## 77942 2011	1	26	3	907	1109	CO	220
## 77951 2011	1	26	3	946	1406	CO	232
## 77958 2011	1	26	3	1303	1353	CO	241
## 77960 2011	1	26	3	1540	1921	CO	244
## 77963 2011	1	26	3	1848	2221	CO	250
## 77969 2011	1	26	3	740	1122	CO	258
## 77975 2011	1	26	3	1558	1722	CO	275
## 77978 2011	1	26	3	748	1225	CO	282
## 77984 2011	1	26	3	2047	2216	CO	299
## 77989 2011	1	26	3	846	1119	CO	309
## 77990 2011	1	26	3	1926	NA	CO	310
## 77994 2011	1	26	3	1451	1643	CO	320
## 77995 2011	1	26	3	1313	1416	CO	323
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## 78001 2011	1	26	3	753	1234	CO	332
## 78013 2011	1	26	3	1031	1412	CO	358
## 78019 2011	1	26	3	1427	1630	CO	370
## 78024 2011	1	26	3	1321	1422	CO	379
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## 78035 2011	1	26	3	727	1117	CO	404
## 78037 2011	1	26	3	1158	1612	CO	406
## 78039 2011	1	26	3	744	1225	CO	408
## 78041 2011	1	26	3	1703	NA	CO	410
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## 78045 2011	1	26	3	1922	2031	CO	423
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## 79044 2011	1	25	2	1923	2333	C0	1830
## 79046 2011	1	25	2	1139	1548	C0	1832
## 79047 2011	1	25	2	1230	1635	C0	1836
## 79048 2011	1	25	2	1432	1809	C0	1844
## 79051 2011	1	25	2	1252	1639	C0	1850
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## 79063 2011	1	25	2	1741	1950	C0	1889
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## 79073 2011	1	24	1	1826	1946	C0	5
## 79074 2011	1	24	1	1555	1654	C0	6
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## 79085 2011	1	24	1	1536	1628	C0	35
## 79093 2011	1	24	1	1925	2107	C0	47
## 79096 2011	1	24	1	744	919	C0	52
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## 79102 2011	1	24	1	1206	1616	C0	60
## 79104 2011	1	24	1	1505	1915	C0	62
## 79109 2011	1	24	1	559	959	C0	89
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## 79399 2011	1	24	1	1550	2020	C0	632
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##	83307	2011	1	18	2	2225	2330	C0	1423
##	83309	2011	1	18	2	1225	1537	C0	1427
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##	83326	2011	1	18	2	1915	2300	C0	1488
##	83328	2011	1	18	2	931	1124	C0	1495
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##	83338	2011	1	18	2	2101	2149	C0	1533
##	83340	2011	1	18	2	1430	1537	C0	1541
##	83341	2011	1	18	2	1005	1342	C0	1544
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##	83356	2011	1	18	2	1856	2057	C0	1568

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##	83367	2011	1	18	2	1445	1615	C0	1589
##	83368	2011	1	18	2	731	1101	C0	1590
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##	83380	2011	1	18	2	1446	1615	C0	1621
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##	83417	2011	1	18	2	1733	1848	C0	1705
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##	83462	2011	1	18	2	1359	1815	C0	1832
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##	83476	2011	1	18	2	1004	1219	C0	1882
##	83479	2011	1	18	2	1746	2003	C0	1889
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##	83490	2011	1	17	1	1556	1653	C0	6
##	83499	2011	1	17	1	1520	1631	C0	33
##	83501	2011	1	17	1	1547	1638	C0	35
##	83509	2011	1	17	1	1913	2058	C0	47
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##	83517	2011	1	17	1	1736	1933	C0	59
##	83518	2011	1	17	1	1206	1624	C0	60
##	83520	2011	1	17	1	1551	2002	C0	62

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##	83543	2011	1	17	1	1734	1857	C0	150
##	83546	2011	1	17	1	1450	1834	C0	158
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##	83558	2011	1	17	1	1917	2231	C0	190
##	83563	2011	1	17	1	1225	1327	C0	197
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##	83599	2011	1	17	1	1309	1412	C0	241
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##	83622	2011	1	17	1	1143	1242	C0	279
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##	83708	2011	1	17	1	1854	2024	C0	442
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##	83737	2011	1	17	1	1920	2250	C0	500
##	83743	2011	1	17	1	855	1311	C0	510
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##	83809	2011	1	17	1	1429	1535	C0	623
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##	83815	2011	1	17	1	1555	2019	C0	632
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##	83835	2011	1	17	1	1617	2056	C0	682
##	83838	2011	1	17	1	1239	1544	C0	686
##	83844	2011	1	17	1	1439	1607	C0	697
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##	84197	2011	1	16	7	1045	1449	CO	106
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##	84206	2011	1	16	7	1435	1555	CO	137
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##	84226	2011	1	16	7	1918	2239	CO	190
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##	84233	2011	1	16	7	556	722	CO	199

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##	84326	2011	1	16	7	1316	1417	C0	379
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##	86452	2011	1	13	4	1711	1924	CO	1070
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##	86787	2011	1	12	3	NA	NA	CO	232
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##	86825	2011	1	12	3	858	1150	CO	309
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##	86860	2011	1	12	3	1318	1418	CO	379
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##	86892	2011	1	12	3	709	937	CO	446
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##	86901	2011	1	12	3	2117	2	CO	467
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##	86951	2011	1	12	3	1615	2009	CO	558
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##	87000	2011	1	12	3	1006	1154	CO	663
##	87002	2011	1	12	3	1735	2020	CO	667
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##	87033	2011	1	12	3	904	1035	CO	739
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## 87042	2011	1	12	3	1436	1730	C0	767
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## 87046	2011	1	12	3	734	959	C0	771
## 87047	2011	1	12	3	724	1127	C0	776
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## 87076	2011	1	12	3	1801	2222	C0	1010
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## 87104	2011	1	12	3	1926	2058	C0	1099
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## 87231	2011	1	12	3	1749	1904	CO	1705
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## 87306	2011	1	11	2	1556	1658	CO	6
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## 87327	2011	1	11	2	838	1022	CO	52
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## 87547 2011	1	11	2	1338	1744	CO	532
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##	87626	2011	1	11	2	1441	1612	CO	697
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##	88657	2011	1	9	7	909	1128	C0	170
##	88668	2011	1	9	7	2000	2313	C0	190
##	88673	2011	1	9	7	1222	1334	C0	197
##	88675	2011	1	9	7	558	715	C0	199
##	88678	2011	1	9	7	1305	1601	C0	206
##	88680	2011	1	9	7	2220	47	C0	209
##	88681	2011	1	9	7	1606	2020	C0	210
##	88683	2011	1	9	7	1115	1710	C0	212
##	88688	2011	1	9	7	923	1115	C0	220
##	88693	2011	1	9	7	1039	1433	C0	226
##	88697	2011	1	9	7	920	1344	C0	232
##	88704	2011	1	9	7	1302	1404	C0	241
##	88706	2011	1	9	7	1545	1934	C0	244
##	88709	2011	1	9	7	1912	2234	C0	250
##	88718	2011	1	9	7	1238	1509	C0	267
##	88721	2011	1	9	7	1142	1400	C0	270
##	88722	2011	1	9	7	1615	1754	C0	275
##	88723	2011	1	9	7	1153	1252	C0	279
##	88728	2011	1	9	7	1103	1221	C0	297
##	88729	2011	1	9	7	2054	2218	C0	299
##	88733	2011	1	9	7	904	1120	C0	309
##	88734	2011	1	9	7	1946	5	C0	310
##	88739	2011	1	9	7	1434	1628	C0	320
##	88741	2011	1	9	7	1328	1433	C0	323
##	88743	2011	1	9	7	1257	1631	C0	326
##	88754	2011	1	9	7	1138	1401	C0	352
##	88757	2011	1	9	7	1048	1427	C0	358
##	88764	2011	1	9	7	1436	1711	C0	370
##	88769	2011	1	9	7	1323	1424	C0	379
##	88771	2011	1	9	7	1103	1530	C0	382
##	88777	2011	1	9	7	1803	1935	C0	397
##	88779	2011	1	9	7	1321	1618	C0	400
##	88781	2011	1	9	7	1031	1157	C0	403
##	88782	2011	1	9	7	735	1104	C0	404
##	88784	2011	1	9	7	1218	1554	C0	406
##	88786	2011	1	9	7	741	1144	C0	408
##	88788	2011	1	9	7	1850	2241	C0	410
##	88790	2011	1	9	7	1755	2016	C0	421
##	88792	2011	1	9	7	1935	2119	C0	423
##	88793	2011	1	9	7	1923	2326	C0	426
##	88796	2011	1	9	7	1050	1502	C0	432
##	88800	2011	1	9	7	1911	2042	C0	442
##	88801	2011	1	9	7	1945	2218	C0	444
##	88807	2011	1	9	7	1305	1643	C0	458
##	88811	2011	1	9	7	2312	136	C0	467
##	88817	2011	1	9	7	1933	2045	C0	479
##	88820	2011	1	9	7	1356	1808	C0	482
##	88825	2011	1	9	7	909	1020	C0	497
##	88827	2011	1	9	7	1205	1330	C0	499
##	88828	2011	1	9	7	1921	2250	C0	500

## 88832	2011	1	9	7	907	1325	CO	510
## 88833	2011	1	9	7	2127	2241	CO	511
## 88836	2011	1	9	7	1935	2151	CO	520
## 88842	2011	1	9	7	1330	1737	CO	532
## 88843	2011	1	9	7	1314	1635	CO	534
## 88847	2011	1	9	7	1011	1208	CO	542
## 88848	2011	1	9	7	742	1122	CO	544
## 88849	2011	1	9	7	1150	1404	CO	546
## 88858	2011	1	9	7	1618	2011	CO	558
## 88863	2011	1	9	7	1809	2054	CO	570
## 88869	2011	1	9	7	1916	2345	CO	582
## 88870	2011	1	9	7	743	1045	CO	586
## 88876	2011	1	9	7	2132	2313	CO	597
## 88878	2011	1	9	7	1438	1600	CO	599
## 88880	2011	1	9	7	1310	1433	CO	601
## 88882	2011	1	9	7	1612	1912	CO	606
## 88885	2011	1	9	7	1932	2235	CO	616
## 88889	2011	1	9	7	1531	1635	CO	623
## 88893	2011	1	9	7	1603	2018	CO	632
## 88896	2011	1	9	7	2019	2349	CO	644
## 88900	2011	1	9	7	1919	2309	CO	658
## 88903	2011	1	9	7	1126	1302	CO	663
## 88904	2011	1	9	7	1744	2021	CO	667
## 88907	2011	1	9	7	1938	2228	CO	670
## 88912	2011	1	9	7	1625	2059	CO	682
## 88915	2011	1	9	7	1041	1352	CO	686
## 88920	2011	1	9	7	1444	1616	CO	697
## 88924	2011	1	9	7	1811	2101	CO	709
## 88927	2011	1	9	7	1149	1245	CO	723
## 88934	2011	1	9	7	1949	13	CO	732
## 88937	2011	1	9	7	1248	1410	CO	738
## 88938	2011	1	9	7	908	1026	CO	739
## 88939	2011	1	9	7	1154	1248	CO	741
## 88940	2011	1	9	7	1307	1624	CO	744
## 88941	2011	1	9	7	1446	1700	CO	746
## 88942	2011	1	9	7	2201	9	CO	752
## 88944	2011	1	9	7	NA	NA	CO	755
## 88945	2011	1	9	7	918	1055	CO	756
## 88949	2011	1	9	7	1658	2045	CO	763
## 88950	2011	1	9	7	1509	1746	CO	767
## 88953	2011	1	9	7	2110	2353	CO	770
## 88954	2011	1	9	7	727	943	CO	771
## 88959	2011	1	9	7	1349	1656	CO	786
## 88961	2011	1	9	7	1108	1439	CO	788
## 88964	2011	1	9	7	1558	1757	CO	795
## 88967	2011	1	9	7	852	1014	CO	799
## 88970	2011	1	9	7	1321	1758	CO	810
## 88974	2011	1	9	7	2114	2319	CO	820
## 88981	2011	1	9	7	1100	1400	CO	1006
## 88982	2011	1	9	7	1804	2211	CO	1010
## 88990	2011	1	9	7	2109	2319	CO	1046
## 88991	2011	1	9	7	723	1031	CO	1048
## 88995	2011	1	9	7	852	1233	CO	1058
## 88998	2011	1	9	7	1606	1852	CO	1070

##	89001	2011	1	9	7	1522	1623		CO	1079
##	89003	2011	1	9	7	1654	2000		CO	1086
##	89005	2011	1	9	7	1310	1644		CO	1088
##	89007	2011	1	9	7	2110	2306		CO	1095
##	89008	2011	1	9	7	731	830		CO	1097
##	89010	2011	1	9	7	1924	2112		CO	1099
##	89019	2011	1	9	7	1921	2015		CO	1411
##	89022	2011	1	9	7	927	1142		CO	1416
##	89023	2011	1	9	7	1927	2311		CO	1417
##	89027	2011	1	9	7	2113	2217		CO	1423
##	89034	2011	1	9	7	1047	1404		CO	1448
##	89038	2011	1	9	7	2100	2255		CO	1459
##	89046	2011	1	9	7	1047	1443		CO	1476
##	89048	2011	1	9	7	2106	2202		CO	1479
##	TailNum	ActualElapsedTime	AirTime	ArrDelay	DepDelay	Origin	Dest	Distance		
##	5424	N576AA	60	40	-10	0	IAH	DFW	224	
##	5425	N557AA	60	45	-9	1	IAH	DFW	224	
##	5426	N541AA	70	48	-8	-8	IAH	DFW	224	
##	5427	N403AA	70	39	3	3	IAH	DFW	224	
##	5428	N492AA	62	44	-3	5	IAH	DFW	224	
##	5429	N262AA	64	45	-7	-1	IAH	DFW	224	
##	5430	N493AA	70	43	-1	-1	IAH	DFW	224	
##	5431	N477AA	59	40	-16	-5	IAH	DFW	224	
##	5432	N476AA	71	41	44	43	IAH	DFW	224	
##	5433	N504AA	70	45	43	43	IAH	DFW	224	
##	5434	N565AA	70	42	29	29	IAH	DFW	224	
##	5435	N577AA	56	41	5	19	IAH	DFW	224	
##	5436	N476AA	63	44	-9	-2	IAH	DFW	224	
##	5437	N552AA	67	47	-6	-3	IAH	DFW	224	
##	5438	N462AA	60	44	-11	-1	IAH	DFW	224	
##	5439	N555AA	70	41	-1	-1	IAH	DFW	224	
##	5440	N518AA	64	48	84	90	IAH	DFW	224	
##	5441	N507AA	60	42	-2	8	IAH	DFW	224	
##	5442	N523AA	67	46	-7	-4	IAH	DFW	224	
##	5443	N425AA	75	42	72	67	IAH	DFW	224	
##	5444	N251AA	62	47	-11	-3	IAH	DFW	224	
##	5445	N551AA	61	44	-14	-5	IAH	DFW	224	
##	5446	N479AA	65	40	-9	-4	IAH	DFW	224	
##	5447	N531AA	77	43	3	-4	IAH	DFW	224	
##	5448	N561AA	60	40	-18	-8	IAH	DFW	224	
##	5449	N541AA	62	40	-15	-7	IAH	DFW	224	
##	5450	N512AA	62	40	-12	-4	IAH	DFW	224	
##	5451	N4UBAA	66	46	-5	-1	IAH	DFW	224	
##	5452	N491AA	60	46	-15	-5	IAH	DFW	224	
##	5453	N561AA	57	39	-14	-1	IAH	DFW	224	
##	5454	N505AA	72	39	43	41	IAH	DFW	224	
##	6343	N520AA	72	41	5	8	IAH	DFW	224	
##	6344	N537AA	62	43	-14	-1	IAH	DFW	224	
##	6345	N512AA	77	46	-1	-3	IAH	DFW	224	
##	6346	N478AA	67	46	-14	-6	IAH	DFW	224	
##	6347	N551AA	64	44	-13	-2	IAH	DFW	224	
##	6348	N251AA	62	44	-14	-1	IAH	DFW	224	
##	6349	N478AA	76	42	-8	-9	IAH	DFW	224	
##	6350	N550AA	52	40	-30	-7	IAH	DFW	224	

## 6351	N586AA	75	51	-6	-6	IAH	DFW	224
## 6352	N587AA	63	44	-17	-5	IAH	DFW	224
## 6353	N574AA	63	44	-15	-3	IAH	DFW	224
## 6354	N580AA	60	42	-21	-6	IAH	DFW	224
## 6355	N586AA	79	49	6	2	IAH	DFW	224
## 6356	N468AA	73	47	-7	-5	IAH	DFW	224
## 6357	N251AA	74	49	-2	-1	IAH	DFW	224
## 6358	N546AA	60	45	8	23	IAH	DFW	224
## 6359	N559AA	78	54	7	4	IAH	DFW	224
## 6360	N558AA	66	46	-8	1	IAH	DFW	224
## 6361	N574AA	79	51	-2	-6	IAH	DFW	224
## 6362	N471AA	63	44	-13	-1	IAH	DFW	224
## 6363	N278AA	59	40	-24	-8	IAH	DFW	224
## 6364	N499AA	72	47	-6	-3	IAH	DFW	224
## 6365	N556AA	64	42	-21	-10	IAH	DFW	224
## 6366	N545AA	93	42	29	11	IAH	DFW	224
## 6367	N541AA	59	40	-17	-1	IAH	DFW	224
## 6368	N512AA	68	44	-11	-4	IAH	DFW	224
## 6369	N4UCAA	70	44	-10	-5	IAH	DFW	224
## 6370	N403AA	65	44	11	21	IAH	DFW	224
## 6371	N557AA	65	43	-10	0	IAH	DFW	224
## 6372	N498AA	64	44	-15	-4	IAH	DFW	224
## 6373	N493AA	58	40	-19	-2	IAH	DFW	224
## 8186	N461AA	67	44	-14	-6	IAH	DFW	224
## 8187	N4XGAA	69	48	-13	-7	IAH	DFW	224
## 8188	N4XGAA	67	42	47	55	IAH	DFW	224
## 8189	N546AA	68	44	-14	-7	IAH	DFW	224
## 8190	N485AA	68	41	-17	-10	IAH	DFW	224
## 8191	N555AA	57	44	-25	-7	IAH	DFW	224
## 8192	N4WYAA	70	44	35	40	IAH	DFW	224
## 8193	N577AA	64	43	13	24	IAH	DFW	224
## 8194	N505AA	58	44	-29	-12	IAH	DFW	224
## 8195	N555AA	58	39	-7	10	IAH	DFW	224
## 8196	N4XCAA	56	44	-4	15	IAH	DFW	224
## 8197	N549AA	70	45	69	74	IAH	DFW	224
## 8198	N478AA	83	42	-1	-9	IAH	DFW	224
## 8199	N492AA	61	44	11	25	IAH	DFW	224
## 8200	N514AA	69	44	-14	-8	IAH	DFW	224
## 8201	N550AA	54	44	3	24	IAH	DFW	224
## 8202	N512AA	77	45	1	-1	IAH	DFW	224
## 8203	N505AA	58	45	14	31	IAH	DFW	224
## 8204	N530AA	56	39	-23	-4	IAH	DFW	224
## 8205	N4XJAA	56	41	19	38	IAH	DFW	224
## 8206	N585AA	63	44	-13	-1	IAH	DFW	224
## 8207	N403AA	54	39	-17	4	IAH	DFW	224
## 8208	N506AA	51	40	10	34	IAH	DFW	224
## 8209	N466AA	61	42	-20	-6	IAH	DFW	224
## 8210	N455AA	93	43	12	-6	IAH	DFW	224
## 8211	N477AA	71	38	-15	-11	IAH	DFW	224
## 19266	N4WVAA	65	37	-9	1	IAH	DFW	224
## 19267	N579AA	83	46	14	6	IAH	DFW	224
## 19268	N468AA	75	47	-7	-7	IAH	DFW	224
## 19269	N4WYAA	63	43	-13	-1	IAH	DFW	224
## 19270	N481AA	71	43	-5	-1	IAH	DFW	224

##	19271	N498AA	67	43	-13	-5	IAH	DFW	224
##	19272	N525AA	63	43	-12	0	IAH	DFW	224
##	19273	N583AA	69	45	-9	-3	IAH	DFW	224
##	19274	N574AA	76	50	126	125	IAH	DFW	224
##	19275	N531AA	61	41	-5	9	IAH	DFW	224
##	19276	N586AA	63	41	70	82	IAH	DFW	224
##	19277	N468AA	68	44	-6	1	IAH	DFW	224
##	19278	N583AA	63	45	-12	0	IAH	DFW	224
##	19279	N551AA	65	47	-11	-1	IAH	DFW	224
##	19280	N274AA	64	48	-9	2	IAH	DFW	224
##	19281	N558AA	71	42	34	38	IAH	DFW	224
##	19282	N580AA	72	51	-1	2	IAH	DFW	224
##	19283	N515AA	75	45	-5	-5	IAH	DFW	224
##	19284	N538AA	62	46	-14	-1	IAH	DFW	224
##	19285	N586AA	71	41	7	11	IAH	DFW	224
##	19286	N558AA	68	47	1	8	IAH	DFW	224
##	19287	N504AA	79	47	-3	-7	IAH	DFW	224
##	19288	N489AA	76	44	-7	-8	IAH	DFW	224
##	19289	N484AA	88	43	4	-9	IAH	DFW	224
##	19290	N4UCAA	66	41	-12	-3	IAH	DFW	224
##	19291	N556AA	71	41	0	4	IAH	DFW	224
##	19292	N557AA	66	43	-5	4	IAH	DFW	224
##	19293	N553AA	65	44	-15	-5	IAH	DFW	224
##	19294	N584AA	61	47	-14	0	IAH	DFW	224
##	19295	N403AA	58	39	-12	5	IAH	DFW	224
##	19296	N455AA	62	41	13	26	IAH	DFW	224
##	23655	N3DGAA	136	113	-3	1	IAH	MIA	964
##	23656	N3CCAA	129	112	17	28	IAH	MIA	964
##	23657	N3ARAA	131	112	-9	0	IAH	MIA	964
##	23658	N3DFAA	145	108	7	2	IAH	MIA	964
##	23659	N3BDAA	129	107	-15	-4	IAH	MIA	964
##	23660	N3CMAA	154	106	5	-9	IAH	MIA	964
##	23661	N3CYAA	131	107	-7	2	IAH	MIA	964
##	23662	N3AXAA	131	107	-15	-6	IAH	MIA	964
##	23663	N3AUAA	133	110	8	15	IAH	MIA	964
##	23664	N3BXAA	121	107	80	99	IAH	MIA	964
##	23665	N3CWAA	128	111	41	53	IAH	MIA	964
##	23666	N3DFAA	134	117	-13	-7	IAH	MIA	964
##	23667	N3DLAA	159	110	12	-7	IAH	MIA	964
##	23668	N3CUAA	127	110	-14	-1	IAH	MIA	964
##	23669	N3AXAA	130	111	-16	-6	IAH	MIA	964
##	23670	N3CXAA	150	113	22	12	IAH	MIA	964
##	23671	N3CEAA	138	117	6	8	IAH	MIA	964
##	23672	N3BLAA	135	114	39	44	IAH	MIA	964
##	23673	N3CWAA	132	110	-12	-4	IAH	MIA	964
##	23674	N3CWAA	144	111	-1	-5	IAH	MIA	964
##	23675	N3BCAA	135	110	18	23	IAH	MIA	964
##	23676	N3BYAA	125	109	-20	-5	IAH	MIA	964
##	23677	N3DCAA	140	107	-2	-2	IAH	MIA	964
##	23678	N3GJAA	138	113	31	33	IAH	MIA	964
##	23679	N3BFAA	148	129	3	-5	IAH	MIA	964
##	23680	N3BXAA	126	111	56	70	IAH	MIA	964
##	23681	N3CFAA	137	106	14	17	IAH	MIA	964
##	23682	N3BLAA	138	108	-7	-5	IAH	MIA	964

##	23683	N3BXAA	129	105	-13	-2	IAH	MIA	964
##	23684	N3CPAA	133	108	54	61	IAH	MIA	964
##	23685	N3DJAA	124	104	-14	2	IAH	MIA	964
##	27063	N480AA	66	44	-12	-3	IAH	DFW	224
##	27064	N497AA	60	43	5	20	IAH	DFW	224
##	27065	N548AA	63	40	-6	6	IAH	DFW	224
##	27066	N4WUAA	68	42	-10	-3	IAH	DFW	224
##	27067	N531AA	68	40	-13	-6	IAH	DFW	224
##	27068	N591AA	92	45	48	31	IAH	DFW	224
##	27069	N425AA	64	42	-20	-9	IAH	DFW	224
##	27070	N499AA	60	41	-16	-1	IAH	DFW	224
##	27071	N251AA	75	45	-3	-3	IAH	DFW	224
##	27072	N552AA	69	45	-13	-7	IAH	DFW	224
##	27073	N545AA	70	49	15	20	IAH	DFW	224
##	27074	N262AA	67	42	5	13	IAH	DFW	224
##	27075	N474AA	72	45	3	6	IAH	DFW	224
##	27076	N4XJAA	71	42	-7	-3	IAH	DFW	224
##	27077	N538AA	79	50	12	8	IAH	DFW	224
##	27078	N567AA	65	42	-8	2	IAH	DFW	224
##	27079	N485AA	66	38	-18	-9	IAH	DFW	224
##	27080	N486AA	68	44	-7	0	IAH	DFW	224
##	27081	N499AA	63	46	-14	-2	IAH	DFW	224
##	27082	N425AA	65	44	-13	-3	IAH	DFW	224
##	27083	N517AA	73	44	29	31	IAH	DFW	224
##	33051	N3DAAA	155	117	7	-8	IAH	MIA	964
##	33052	N3ASAA	133	112	-19	-12	IAH	MIA	964
##	33053	N3CBAA	125	111	-17	-2	IAH	MIA	964
##	33054	N3BAAA	127	109	-7	6	IAH	MIA	964
##	33055	N3CDAA	130	108	-9	1	IAH	MIA	964
##	33056	N3CUAA	122	105	-18	0	IAH	MIA	964
##	33057	N3BCAA	126	107	-24	-10	IAH	MIA	964
##	33058	N3AHAA	125	106	-16	-1	IAH	MIA	964
##	33059	N3CPAA	129	110	-2	9	IAH	MIA	964
##	33060	N3AKAA	156	132	34	18	IAH	MIA	964
##	33061	N3ALAA	140	115	74	74	IAH	MIA	964
##	33062	N3BJAA	128	113	-13	-1	IAH	MIA	964
##	33063	N3BCAA	128	108	-14	-2	IAH	MIA	964
##	33064	N3AUAA	123	110	-13	4	IAH	MIA	964
##	33065	N3DEAA	138	114	0	2	IAH	MIA	964
##	33066	N3BJAA	131	118	-8	1	IAH	MIA	964
##	33067	N3BUAA	133	113	-8	-1	IAH	MIA	964
##	33068	N3ARAA	135	118	-8	-3	IAH	MIA	964
##	33069	N3BXAA	135	114	-9	-4	IAH	MIA	964
##	33070	N3CKAA	130	107	-15	-5	IAH	MIA	964
##	33071	N3APAA	128	110	-15	-3	IAH	MIA	964
##	33072	N3CPAA	139	112	5	6	IAH	MIA	964
##	33073	N3CNAA	135	108	-13	-8	IAH	MIA	964
##	33074	N3BGAA	NA	NA	NA	NA	IAH	MIA	964
##	33075	N3BFAA	134	112	14	20	IAH	MIA	964
##	33076	N3BLAA	134	110	-11	-5	IAH	MIA	964
##	33077	N3AJAA	138	108	-5	-3	IAH	MIA	964
##	33078	N3DDAA	118	104	-22	0	IAH	MIA	964
##	33079	N3FYAA	131	108	-14	-5	IAH	MIA	964
##	33080	N3DCAA	125	106	-16	-1	IAH	MIA	964

##	33081	N3FR	143	100	-4	-7	IAH	MIA	964
##	35256	N593	74	39	15	6	IAH	DFW	224
##	35257	N589	63	47	-7	-5	IAH	DFW	224
##	35258	N4XP	64	46	-2	-1	IAH	DFW	224
##	35259	N565	73	41	9	1	IAH	DFW	224
##	35260	N560	66	44	1	0	IAH	DFW	224
##	35261	N563	66	41	0	-1	IAH	DFW	224
##	35262	N4YR	72	43	6	-1	IAH	DFW	224
##	35263	N4YT	66	39	-2	-3	IAH	DFW	224
##	35264	N4XC	NA	NA	NA	NA	IAH	DFW	224
##	35265	N598	72	43	19	12	IAH	DFW	224
##	35266	N563	65	42	0	0	IAH	DFW	224
##	35267	N593	59	41	-5	1	IAH	DFW	224
##	35268	N4WAAA	66	46	1	0	IAH	DFW	224
##	35269	N566	70	49	5	0	IAH	DFW	224
##	35270	N476	67	52	19	17	IAH	DFW	224
##	35271	N599	61	42	-4	0	IAH	DFW	224
##	35272	N4WX	77	49	12	0	IAH	DFW	224
##	35273	N4WR	59	43	24	30	IAH	DFW	224
##	35274	N4YD	67	44	1	-1	IAH	DFW	224
##	35275	N202	70	44	14	9	IAH	DFW	224
##	35276	N433	66	44	2	1	IAH	DFW	224
##	35277	N546	72	50	2	-5	IAH	DFW	224
##	35278	N436	51	39	-2	12	IAH	DFW	224
##	35279	N434	66	43	8	7	IAH	DFW	224
##	35280	N4WD	60	40	-11	-6	IAH	DFW	224
##	35281	N594	75	46	4	-6	IAH	DFW	224
##	35282	N569	72	43	1	-6	IAH	DFW	224
##	35283	N435	63	47	48	50	IAH	DFW	224
##	35284	N592	66	44	-8	-9	IAH	DFW	224
##	35285	N589	80	41	9	-6	IAH	DFW	224
##	35286	N511	72	42	7	0	IAH	DFW	224
##	35375	N569	71	45	-7	-3	IAH	DFW	224
##	35376	N4YU	68	43	-15	-8	IAH	DFW	224
##	35377	N568	72	41	25	28	IAH	DFW	224
##	35378	N4YAAA	62	41	-18	-5	IAH	DFW	224
##	35379	N568	69	44	-13	-7	IAH	DFW	224
##	35380	N459	71	47	16	20	IAH	DFW	224
##	35381	N4YD	80	45	-2	-7	IAH	DFW	224
##	35382	N599	77	44	-5	-7	IAH	DFW	224
##	35383	N588	69	46	-12	-6	IAH	DFW	224
##	39453	N3BB	129	113	-9	-3	IAH	MIA	964
##	39454	N3DC	138	115	-3	-6	IAH	MIA	964
##	39455	N3CM	130	111	-10	-5	IAH	MIA	964
##	39456	N3CW	145	115	8	-2	IAH	MIA	964
##	39457	N3DF	139	111	-1	-5	IAH	MIA	964
##	39458	N3AJ	128	107	-7	0	IAH	MIA	964
##	39459	N3DD	129	108	-10	-4	IAH	MIA	964
##	39460	N3DA	132	105	-5	-2	IAH	MIA	964
##	39461	N3CY	133	111	-4	-2	IAH	MIA	964
##	39462	N3AU	135	111	5	5	IAH	MIA	964
##	39463	N3DL	NA	NA	NA	-7	IAH	MIA	964
##	39464	N3BD	132	112	-12	-9	IAH	MIA	964
##	39465	N3AG	125	109	23	33	IAH	MIA	964

##	39466	N3DLAA	132	112	-5	-2	IAH	MIA	964
##	39467	N3DJAA	130	114	-10	-5	IAH	MIA	964
##	39468	N3AHAA	125	112	-5	5	IAH	MIA	964
##	39469	N3AXAA	167	143	28	-4	IAH	MIA	964
##	39470	N3DFAA	136	112	-4	-5	IAH	MIA	964
##	39471	N3BVAA	147	124	6	-6	IAH	MIA	964
##	39472	N3FTAA	136	110	-3	-4	IAH	MIA	964
##	39473	N3CJAA	134	114	-8	-7	IAH	MIA	964
##	39474	N3BFAA	137	118	-8	-10	IAH	MIA	964
##	39475	N3BCAA	128	110	-15	-8	IAH	MIA	964
##	39476	N3CCAA	133	111	-9	-7	IAH	MIA	964
##	39477	N3AMAA	138	111	1	-2	IAH	MIA	964
##	39478	N3DJAA	132	112	-8	-5	IAH	MIA	964
##	39479	N3DEAA	129	112	0	6	IAH	MIA	964
##	39480	N3FYAA	131	111	-10	-6	IAH	MIA	964
##	39481	N3AKAA	132	107	-11	-8	IAH	MIA	964
##	39482	N3ARAA	137	111	-5	-7	IAH	MIA	964
##	39483	N3BTAA	121	106	-18	-4	IAH	MIA	964
##	46433	N614AS	282	255	-4	-1	IAH	SEA	1874
##	46788	N627AS	280	257	-7	-2	IAH	SEA	1874
##	47191	N627AS	280	260	-3	2	IAH	SEA	1874
##	47585	N618AS	287	268	22	20	IAH	SEA	1874
##	47933	N607AS	288	273	-1	-4	IAH	SEA	1874
##	48343	N624AS	299	278	23	9	IAH	SEA	1874
##	48672	N611AS	295	274	8	-2	IAH	SEA	1874
##	49014	N607AS	290	269	2	-3	IAH	SEA	1874
##	49394	N609AS	290	253	78	73	IAH	SEA	1874
##	49788	N626AS	339	315	49	-5	IAH	SEA	1874
##	50174	N626AS	NA	NA	NA	-5	IAH	SEA	1874
##	50499	N619AS	307	284	19	-3	IAH	SEA	1874
##	50905	N627AS	293	273	3	-5	IAH	SEA	1874
##	51270	N627AS	296	270	4	-7	IAH	SEA	1874
##	51599	N627AS	309	287	21	-3	IAH	SEA	1874
##	51976	N627AS	316	291	28	-3	IAH	SEA	1874
##	52351	N612AS	331	310	39	-7	IAH	SEA	1874
##	52723	N617AS	294	276	20	11	IAH	SEA	1874
##	53076	N622AS	282	265	-8	-5	IAH	SEA	1874
##	53497	N622AS	313	284	25	-3	IAH	SEA	1874
##	53832	N622AS	309	288	26	2	IAH	SEA	1874
##	54167	N644AS	284	269	-10	-9	IAH	SEA	1874
##	54534	N624AS	286	269	-6	-7	IAH	SEA	1874
##	54947	N644AS	285	251	-1	-1	IAH	SEA	1874
##	55324	N607AS	275	255	-9	1	IAH	SEA	1874
##	55688	N607AS	285	255	5	5	IAH	SEA	1874
##	56057	N627AS	278	262	0	7	IAH	SEA	1874
##	56410	N627AS	271	256	-18	-4	IAH	SEA	1874
##	56750	N627AS	261	246	-28	-4	IAH	SEA	1874
##	57125	N627AS	307	264	18	-4	IAH	SEA	1874
##	57472	N607AS	284	259	1	2	IAH	SEA	1874
##	57719	N324JB	210	181	5	-6	HOU	JFK	1428
##	57720	N324JB	211	188	61	54	HOU	JFK	1428
##	58343	N324JB	190	172	-6	3	HOU	JFK	1428
##	58344	N324JB	216	176	31	19	HOU	JFK	1428
##	58983	N229JB	181	166	-19	-1	HOU	JFK	1428

##	58984	N206JB	179	165	111	136	HOU	JFK	1428
##	59614	N267JB	189	168	-16	-6	HOU	JFK	1428
##	59615	N267JB	206	175	25	23	HOU	JFK	1428
##	60195	N708JB	183	167	-14	0	HOU	JFK	1428
##	60196	N644JB	190	166	-6	9	HOU	JFK	1428
##	60734	N641JB	191	175	-17	-3	HOU	JFK	1428
##	61317	N641JB	203	172	0	-6	HOU	JFK	1428
##	61318	N564JB	194	175	-4	7	HOU	JFK	1428
##	61875	N630JB	184	162	-19	-6	HOU	JFK	1428
##	62403	N599JB	186	163	-18	-7	HOU	JFK	1428
##	62404	N625JB	219	196	57	43	HOU	JFK	1428
##	62989	N625JB	186	166	-15	-4	HOU	JFK	1428
##	62990	N504JB	187	170	1	19	HOU	JFK	1428
##	63545	N504JB	180	161	-24	-7	HOU	JFK	1428
##	63546	N537JB	NA	NA	NA	NA	HOU	JFK	1428
##	64043	N504JB	201	177	-7	-3	HOU	JFK	1428
##	64557	N597JB	196	178	-22	-13	HOU	JFK	1428
##	65133	N597JB	201	185	72	68	HOU	JFK	1428
##	65134	N729JB	221	189	15	-1	HOU	JFK	1428
##	65685	N503JB	194	173	-3	0	HOU	JFK	1428
##	66204	N706JB	183	166	-22	-8	HOU	JFK	1428
##	66205	N565JB	193	176	4	16	HOU	JFK	1428
##	66785	N523JB	185	168	18	30	HOU	JFK	1428
##	66786	N779JB	195	173	-14	-4	HOU	JFK	1428
##	67336	N779JB	183	162	-15	-1	HOU	JFK	1428
##	67337	N729JB	189	164	56	72	HOU	JFK	1428
##	67826	N504JB	NA	NA	NA	NA	HOU	JFK	1428
##	68334	N760JB	194	161	-8	3	HOU	JFK	1428
##	68906	N760JB	188	164	-13	-4	HOU	JFK	1428
##	68907	N598JB	190	173	95	110	HOU	JFK	1428
##	69454	N527JB	185	161	-11	1	HOU	JFK	1428
##	69966	N580JB	180	162	-19	-2	HOU	JFK	1428
##	69967	N599JB	178	164	-27	0	HOU	JFK	1428
##	70541	N605JB	172	156	-18	7	HOU	JFK	1428
##	70542	N536JB	171	156	-37	-3	HOU	JFK	1428
##	71084	N589JB	184	162	-15	-2	HOU	JFK	1428
##	71085	N621JB	186	167	29	48	HOU	JFK	1428
##	71571	N659JB	186	165	-19	0	HOU	JFK	1428
##	72078	N569JB	NA	NA	NA	NA	HOU	JFK	1428
##	72650	N594JB	192	172	-10	-5	HOU	JFK	1428
##	72651	N655JB	215	196	13	3	HOU	JFK	1428
##	73198	N508JB	211	180	11	-3	HOU	JFK	1428
##	73710	N606JB	195	175	-11	-9	HOU	JFK	1428
##	73711	N606JB	199	176	78	84	HOU	JFK	1428
##	74284	N661JB	192	172	-6	-1	HOU	JFK	1428
##	74285	N629JB	190	169	-18	-3	HOU	JFK	1428
##	74650	N69063	529	492	23	-1	IAH	HNL	3904
##	74655	N17245	60	42	-9	0	IAH	MSY	305
##	74656	N77520	56	40	-5	-1	IAH	SAT	191
##	74665	N16647	70	42	-2	-3	IAH	MSY	305
##	74667	N35204	59	32	7	1	IAH	AUS	140
##	74675	N76522	227	199	2	6	IAH	LAX	1379
##	74678	N67134	229	201	5	2	IAH	LAX	1379
##	74683	N57870	144	116	15	28	IAH	DEN	862

##	74684	N68159	205	165	-2	1	IAH	EWR	1400
##	74686	N17126	203	163	-9	0	IAH	EWR	1400
##	74691	N76529	195	175	2	7	IAH	EWR	1400
##	74695	N66051	188	162	-26	-4	IAH	EWR	1400
##	74701	N75436	88	49	18	-2	IAH	MSY	305
##	74705	N73283	236	199	14	5	IAH	LAX	1379
##	74706	N57862	145	114	64	77	IAH	ORD	925
##	74709	N34282	211	189	6	15	IAH	ONT	1334
##	74712	N13750	180	142	7	-3	IAH	DCA	1208
##	74717	N35407	241	225	-27	1	IAH	SFO	1635
##	74724	N35260	132	107	-12	-1	IAH	MIA	964
##	74729	N75853	209	172	3	0	IAH	LAS	1222
##	74731	N14228	169	128	8	1	IAH	DEN	862
##	74736	N39418	115	91	-10	-1	IAH	TPA	787
##	74739	N24715	268	256	-15	-7	IAH	PDX	1825
##	74740	N37408	198	166	-15	1	IAH	EWR	1400
##	74742	N53441	237	215	-4	9	IAH	SJU	2007
##	74748	N33132	206	161	32	7	IAH	PHX	1009
##	74754	N19621	181	161	2	0	IAH	BWI	1235
##	74758	N33266	200	165	-15	-4	IAH	LGA	1416
##	74765	N14629	55	27	-2	-4	IAH	AUS	140
##	74767	N37274	144	121	-16	9	IAH	CLE	1091
##	74770	N59630	141	121	-18	0	IAH	RDU	1043
##	74777	N77520	173	145	-1	-3	IAH	DCA	1208
##	74781	N45440	286	263	7	5	IAH	SEA	1874
##	74784	N37420	262	228	1	4	IAH	SFO	1635
##	74785	N14242	146	122	16	25	IAH	DEN	862
##	74788	N37274	70	45	4	0	IAH	SAT	191
##	74789	N79279	225	195	4	0	IAH	BOS	1597
##	74796	N27421	215	190	13	11	IAH	LAS	1222
##	74798	N17244	134	119	-10	8	IAH	DEN	862
##	74803	N33294	283	254	8	4	IAH	PDX	1825
##	74804	N77867	193	164	33	49	IAH	EWR	1400
##	74808	N39416	192	159	12	1	IAH	PHX	1009
##	74810	N36207	61	44	-10	-3	IAH	MSY	305
##	74812	N38257	160	143	-16	-2	IAH	BWI	1235
##	74816	N73276	215	177	4	-3	IAH	LGA	1416
##	74828	N39728	167	146	-5	-2	IAH	DCA	1208
##	74836	N27213	264	229	5	7	IAH	SFO	1635
##	74842	N19638	60	39	-2	0	IAH	SAT	191
##	74844	N36272	219	188	-5	-3	IAH	BOS	1597
##	74850	N33286	200	182	20	28	IAH	LAS	1222
##	74852	N39415	147	109	6	1	IAH	IND	845
##	74854	N35271	212	194	-1	1	IAH	SAN	1303
##	74855	N78501	172	146	-5	-5	IAH	IAD	1190
##	74857	N73270	179	143	3	-4	IAH	IAD	1190
##	74859	N66056	207	170	1	-1	IAH	EWR	1400
##	74861	N73299	155	138	-19	-2	IAH	IAD	1190
##	74864	N37298	247	231	80	91	IAH	SJC	1609
##	74866	N33266	62	41	-8	-1	IAH	MSY	305
##	74867	N78506	165	143	-12	-1	IAH	BWI	1235
##	74870	N16713	198	169	1	4	IAH	LGA	1416
##	74874		NA	NA	NA	NA	IAH	TUL	429
##	74875	N76514	157	117	3	5	IAH	ORD	925

## 74877	N26208	144	117	-16	-6	IAH	ORD	925
## 74882	N17233	168	149	-7	-5	IAH	DCA	1208
## 74886	N78285	296	276	58	42	IAH	SEA	1874
## 74892	N16217	60	43	-8	-2	IAH	SAT	191
## 74895	N78509	221	190	-3	0	IAH	BOS	1597
## 74900	N74856	230	187	23	1	IAH	LAS	1222
## 74902	N37267	159	127	2	-2	IAH	DEN	862
## 74903		NA	NA	NA	NA	IAH	IND	845
## 74909	N38268	207	183	2	0	IAH	EWR	1400
## 74910	N77520	81	60	5	1	IAH	MFE	316
## 74916	N75432	181	161	-2	-2	IAH	PHX	1009
## 74923	N76269	225	178	22	2	IAH	LGA	1416
## 74924	N79402	150	125	-16	-3	IAH	PIT	1117
## 74929	N75436	195	174	2	4	IAH	SLC	1195
## 74930	N13624	163	136	-8	-7	IAH	CLE	1091
## 74931	N77518	155	116	-1	1	IAH	ORD	925
## 74941	N16709	164	143	-11	-4	IAH	DCA	1208
## 74943	N76515	243	202	15	2	IAH	SNA	1347
## 74949	N75436	253	236	-4	3	IAH	SFO	1635
## 74954	N19621	211	188	-1	6	IAH	BOS	1597
## 74956	N17126	132	102	-7	-5	IAH	MCO	853
## 74962	N33203	200	179	-10	0	IAH	LAS	1222
## 74964	N57864	159	124	6	3	IAH	DEN	862
## 74966	N26208	183	131	36	9	IAH	DEN	862
## 74968	N77510	113	90	-11	0	IAH	TPA	787
## 74971	N33294	175	139	24	20	IAH	MSP	1034
## 74975	N77261	73	44	5	-1	IAH	MSY	305
## 74978	N16647	169	154	-17	-6	IAH	BWI	1235
## 74981	N12238	185	166	-25	-2	IAH	LGA	1416
## 74985	N37267	137	116	-3	22	IAH	CLE	1091
## 74990	N37273	153	128	-6	10	IAH	DCA	1208
## 74993	N14115	215	195	33	-5	IAH	EGE	935
## 74994	N57869	266	249	0	12	IAH	SEA	1874
## 75001	N78501	202	180	-25	0	IAH	BOS	1597
## 75004	N56859	134	105	0	-1	IAH	MCO	853
## 75010	N37293	230	191	20	0	IAH	LAS	1222
## 75014	N23708	115	92	-11	-1	IAH	TPA	787
## 75015	N37409	263	245	-13	2	IAH	PDX	1825
## 75018	N77510	63	44	-8	-5	IAH	MSY	305
## 75025	N33262	189	157	44	50	IAH	LGA	1416
## 75029	N38403	210	194	-3	-1	IAH	SAN	1303
## 75030	N75432	232	193	16	1	IAH	SAN	1303
## 75031	N37290	57	32	0	-1	IAH	AUS	140
## 75032	N76254	158	125	-7	-2	IAH	CLE	1091
## 75033	N78524	149	114	-8	3	IAH	ORD	925
## 75034	N73278	212	189	10	-2	IAH	SLC	1195
## 75036	N11641	114	89	-10	-1	IAH	ATL	689
## 75039	N73291	55	42	-15	-2	IAH	MSY	305
## 75040	N37422	291	255	12	5	IAH	SEA	1874
## 75043	N37281	235	224	24	50	IAH	SFO	1635
## 75044	N26226	273	237	2	-1	IAH	SFO	1635
## 75045	N37252	183	155	-11	-3	IAH	PHL	1324
## 75050	N75851	127	105	6	12	IAH	MCO	853
## 75052	N46625	159	132	-12	-4	IAH	DTW	1076

##	75054	N76502	226	198	8	10	IAH	LAX	1379
##	75057	N57855	165	133	0	-3	IAH	DEN	862
##	75062	N78003	200	168	-4	1	IAH	EWR	1400
##	75067	N37255	186	158	19	10	IAH	PHX	1009
##	75073	N18220	105	89	-2	17	IAH	TPA	787
##	75074	N73259	186	161	-9	15	IAH	EWR	1400
##	75083	N79402	123	106	-4	25	IAH	ORD	925
##	75084	N73283	135	107	-8	0	IAH	FLL	965
##	75088	N24702	170	149	-7	-2	IAH	DCA	1208
##	75091	N73406	254	231	-8	-2	IAH	SFO	1635
##	75094	N14230	71	40	10	1	IAH	SAT	191
##	75096	N57855	122	100	97	114	IAH	MCO	853
##	75098	N14219	167	127	3	4	IAH	DTW	1076
##	75100	N73270	220	201	7	12	IAH	LAX	1379
##	75101	N14231	224	192	14	-3	IAH	LAS	1222
##	75103	N75858	144	121	-9	-1	IAH	DEN	862
##	75112	N14604	53	31	-9	-5	IAH	AUS	140
##	75114	N33262	255	238	15	19	IAH	SJC	1609
##	75115	N46625	145	126	-32	-2	IAH	PIT	1117
##	75119	N62631	74	42	4	-4	IAH	MSY	305
##	75121	N11641	131	113	-15	0	IAH	CLT	913
##	75127	N75429	136	108	-16	-5	IAH	FLL	965
##	75131	N87513	222	201	2	3	IAH	SNA	1347
##	75133	N16617	126	98	-25	-8	IAH	RSW	861
##	75140	N76503	191	158	-1	0	IAH	PHL	1324
##	75142	N33264	52	37	-7	1	IAH	SAT	191
##	75144	N16701	149	121	-24	-2	IAH	DTW	1076
##	75147	N77867	236	195	5	-5	IAH	LAX	1379
##	75149	N75425	203	181	-10	-1	IAH	LAS	1222
##	75150	N77295	157	138	-13	0	IAH	DCA	1208
##	75154	N35407	102	89	-24	0	IAH	TPA	787
##	75156	N14704	226	203	-9	-3	IAH	SNA	1347
##	75161	N72405	62	30	20	13	IAH	AUS	140
##	75163	N16646	65	30	15	4	IAH	AUS	140
##	75164	N14613	147	128	5	24	IAH	CLE	1091
##	75166	N37253	137	114	-17	3	IAH	ORD	925
##	75168	N32404	123	106	-24	-3	IAH	FLL	965
##	75175	N76516	124	101	27	33	IAH	RSW	861
##	75177	N17627	113	87	-16	-3	IAH	MCI	643
##	75184	N36207	66	32	10	0	IAH	AUS	140
##	75186	N75428	122	103	-9	6	IAH	MCO	853
##	75188	N34222	224	189	21	12	IAH	SAN	1303
##	75189	N27213	133	106	-12	-2	IAH	MIA	964
##	75196	N77525	50	29	-8	-2	IAH	AUS	140
##	75197	N37255	240	207	18	3	IAH	LAX	1379
##	75204	N75433	191	163	11	4	IAH	PHX	1009
##	75205	N16701	78	58	1	3	IAH	MFE	316
##	75206	N38727	59	42	-9	0	IAH	MSY	305
##	75208	N39726	220	198	-11	-4	IAH	SNA	1347
##	75209	N24702	178	161	-19	0	IAH	LGA	1416
##	75212	N18622	74	55	-4	0	IAH	MFE	316
##	75213	N76504	232	217	-13	10	IAH	SMF	1609
##	75215	N37409	142	116	-12	-1	IAH	ORD	925
##	75216	N37252	126	106	-21	-1	IAH	FLL	965

##	75220	N17229	122	97	-9	0	IAH	RSW	861
##	75223	N16646	137	109	12	8	IAH	ELP	667
##	75224	N36280	188	159	-1	3	IAH	PHL	1324
##	75227	N14219	75	39	-2	-12	IAH	SAT	191
##	75232	N27610	158	128	-17	-2	IAH	DTW	1076
##	75233	N12225	214	192	6	12	IAH	SAN	1303
##	75234	N77295	131	105	-22	-5	IAH	MIA	964
##	75238	N26210	253	212	32	10	IAH	LAX	1379
##	75243	N16649	81	56	-1	-3	IAH	MFE	316
##	75248		NA	NA	NA	NA	IAH	OKC	395
##	75250	N37273	273	235	8	-4	IAH	SMF	1609
##	75251	N19638	148	120	-4	-2	IAH	ABQ	744
##	75252	N77296	220	194	20	13	IAH	SAN	1303
##	75254	N77296	217	202	-3	-2	IAH	ONT	1334
##	75259	N35204	159	117	32	28	IAH	ORD	925
##	75260	N75433	129	108	-11	6	IAH	FLL	965
##	75262	N18622	127	85	0	2	IAH	ATL	689
##	75267	N87513	293	266	19	10	IAH	SEA	1874
##	75270	N76503	172	142	-10	11	IAH	PHL	1324
##	75273	N37277	53	35	-5	3	IAH	SAT	191
##	75274	N18223	185	154	11	2	IAH	TUS	936
##	75277	N18223	61	41	2	13	IAH	DFW	224
##	75279	N37281	126	105	-17	-3	IAH	MIA	964
##	75282	N73860	229	200	6	4	IAH	LAX	1379
##	75291	N14731	237	199	14	7	IAH	SNA	1347
##	75292	N16646	69	42	-3	-3	IAH	MSY	305
##	75295	N39423	127	103	-18	-3	IAH	PBI	956
##	75297	N78285	192	172	-13	0	IAH	LGA	1416
##	75298	N73278	185	153	-9	2	IAH	PHL	1324
##	75299	N24706	165	128	-4	-3	IAH	CLE	1091
##	75303	N19623	143	121	-4	10	IAH	RDU	1043
##	75306	N26226	130	104	-6	-1	IAH	OMA	781
##	75310	N14242	133	101	-11	-6	IAH	MCO	853
##	75312	N17620	160	140	-13	9	IAH	HDN	986
##	75315	N21723	250	228	6	17	IAH	SMF	1609
##	75320	N76064	525	493	20	0	IAH	HNL	3904
##	75325	N35271	61	43	-4	4	IAH	MSY	305
##	75326	N17627	61	38	-4	-5	IAH	SAT	191
##	75336	N17620	61	43	-8	0	IAH	MSY	305
##	75338	N16649	61	32	5	-3	IAH	AUS	140
##	75344	N77520	251	203	23	3	IAH	LAX	1379
##	75347	N13113	239	201	22	9	IAH	LAX	1379
##	75352	N57862	157	120	21	21	IAH	DEN	862
##	75353	N76156	197	171	-11	0	IAH	EWR	1400
##	75355	N19130	188	164	-6	18	IAH	EWR	1400
##	75359	N26215	194	171	2	0	IAH	EWR	1400
##	75363	N67058	209	167	13	6	IAH	EWR	1400
##	75368	N54711	67	40	5	6	IAH	MSY	305
##	75372	N18223	209	185	-5	13	IAH	LAX	1379
##	75374	N57855	172	119	7	-7	IAH	ORD	925
##	75377	N37281	204	188	15	31	IAH	ONT	1334
##	75380	N33714	168	147	-1	1	IAH	DCA	1208
##	75385	N57439	268	230	49	45	IAH	SFO	1635
##	75392	N37267	136	107	-7	0	IAH	MIA	964

##	75397	N57863	206	162	10	5	IAH	LAS	1222
##	75399	N14250	138	119	-20	-1	IAH	DEN	862
##	75402	N37434	121	93	2	5	IAH	TPA	787
##	75404	N15710	259	244	20	37	IAH	PDX	1825
##	75405	N79402	206	169	9	17	IAH	EWR	1400
##	75407	N53441	233	212	-5	7	IAH	SJU	2007
##	75412	N29124	181	153	0	-5	IAH	PHX	1009
##	75417	N14613	185	153	15	4	IAH	BWI	1235
##	75421	N77510	196	172	-7	3	IAH	LGA	1416
##	75427	N14645	64	31	10	-1	IAH	AUS	140
##	75429	N16647	168	136	9	10	IAH	CLE	1091
##	75432	N73259	156	126	-1	-2	IAH	RDU	1043
##	75441	N27205	264	241	-19	1	IAH	SEA	1874
##	75444	N75428	256	227	14	18	IAH	SFO	1635
##	75445	N37252	142	121	-13	0	IAH	DEN	862
##	75446	N38257	64	39	2	-1	IAH	SAT	191
##	75451	N75426	193	175	-15	0	IAH	LAS	1222
##	75452	N12225	169	119	35	18	IAH	DEN	862
##	75456	N77520	256	239	-20	-2	IAH	PDX	1825
##	75457	N57869	220	161	36	25	IAH	EWR	1400
##	75462	N78438	169	152	-9	3	IAH	PHX	1009
##	75464	N33262	70	43	2	0	IAH	MSY	305
##	75466	N12225	177	144	18	15	IAH	BWI	1235
##	75477	N23721	176	127	14	-5	IAH	GUC	886
##	75480	N37274	175	139	6	-4	IAH	DCA	1208
##	75487	N14231	256	233	24	34	IAH	SFO	1635
##	75492	N14604	69	36	3	-4	IAH	SAT	191
##	75494	N76269	212	190	-8	-4	IAH	BOS	1597
##	75500	N37287	219	179	10	-1	IAH	LAS	1222
##	75502	N19638	144	103	-1	0	IAH	IND	845
##	75504	N14230	212	190	-1	-4	IAH	SAN	1303
##	75505	N37252	152	135	-28	-8	IAH	IAD	1190
##	75507	N18243	190	144	15	-3	IAH	IAD	1190
##	75509	N76062	204	180	2	-5	IAH	EWR	1400
##	75511	N73270	164	145	-5	3	IAH	IAD	1190
##	75513	N36280	273	231	48	33	IAH	SJC	1609
##	75515	N16632	84	40	54	39	IAH	MSY	305
##	75516	N17245	196	151	29	9	IAH	BWI	1235
##	75519	N13750	206	171	8	-2	IAH	LGA	1416
##	75523	N16646	109	64	22	0	IAH	TUL	429
##	75524	N27421	180	142	31	10	IAH	ORD	925
##	75530	N33284	169	144	-1	0	IAH	DCA	1208
##	75534	N75428	269	249	15	26	IAH	SEA	1874
##	75540	N73276	80	37	16	2	IAH	SAT	191
##	75543	N77525	232	185	22	14	IAH	BOS	1597
##	75548	N75858	196	170	-1	6	IAH	LAS	1222
##	75550	N12221	160	114	11	1	IAH	DEN	862
##	75551	N79521	164	113	28	9	IAH	IND	845
##	75555	N75425	204	172	7	0	IAH	EWR	1400
##	75556	N54711	66	53	0	11	IAH	MFE	316
##	75559	N47414	186	159	13	8	IAH	PHX	1009
##	75565	N35260	179	163	4	30	IAH	LGA	1416
##	75566	N37409	175	143	14	2	IAH	PIT	1117
##	75570	N79279	179	155	-17	-4	IAH	SLC	1195

##	75571	N18622	159	135	-10	-10	IAH	CLE	1091
##	75572	N11206	182	127	27	-3	IAH	ORD	925
##	75581	N21723	172	146	-5	-6	IAH	DCA	1208
##	75586	N35407	262	232	6	4	IAH	SFO	1635
##	75591	N16642	254	198	50	14	IAH	BOS	1597
##	75592	N19130	119	99	5	15	IAH	MCO	853
##	75598	N36444	209	178	1	2	IAH	LAS	1222
##	75600	N74856	140	118	-20	-4	IAH	DEN	862
##	75602	N76529	159	118	11	8	IAH	DEN	862
##	75604	N76523	113	93	-12	-1	IAH	TPA	787
##	75607	N18220	185	145	14	0	IAH	MSP	1034
##	75611	N36272	65	42	-4	-2	IAH	MSY	305
##	75615	N76522	190	169	-15	3	IAH	LGA	1416
##	75618	N12221	180	131	44	26	IAH	CLE	1091
##	75622	N37274	172	144	6	3	IAH	DCA	1208
##	75625	N13110	172	147	-1	-1	IAH	EGE	935
##	75626	N75851	264	239	5	19	IAH	SEA	1874
##	75629	N76504	268	228	41	41	IAH	SFO	1635
##	75634	N26215	217	194	-7	3	IAH	BOS	1597
##	75637	N75851	142	101	13	-1	IAH	MCO	853
##	75642	N38403	198	177	0	12	IAH	LAS	1222
##	75646	N32404	303	255	26	1	IAH	PDX	1825
##	75649	N78524	61	43	-3	-3	IAH	MSY	305
##	75656	N36272	200	170	19	14	IAH	LGA	1416
##	75659	N76515	209	190	-4	-1	IAH	SAN	1303
##	75660	N47414	207	185	-5	0	IAH	SAN	1303
##	75661	N76523	70	30	15	-4	IAH	AUS	140
##	75662	N16709	172	128	19	10	IAH	CLE	1091
##	75663	N87527	152	120	22	30	IAH	ORD	925
##	75664	N37298	191	167	-13	-4	IAH	SLC	1195
##	75666	N17620	129	90	61	55	IAH	ATL	689
##	75667	N76519	220	197	-14	-9	IAH	SNA	1347
##	75671	N37281	64	43	-6	-2	IAH	MSY	305
##	75672	N75432	265	247	2	21	IAH	SEA	1874
##	75675	N37293	260	231	9	10	IAH	SFO	1635
##	75676	N32404	247	229	-22	-1	IAH	SFO	1635
##	75681	N75853	126	107	0	7	IAH	MCO	853
##	75683	N39728	161	138	0	-3	IAH	DTW	1076
##	75686	N26226	228	204	0	0	IAH	LAX	1379
##	75689	N77867	150	121	-7	0	IAH	DEN	862
##	75691	N74007	213	175	17	9	IAH	EWR	1400
##	75694	N37409	173	150	7	11	IAH	PHX	1009
##	75701	N73299	138	93	22	3	IAH	TPA	787
##	75702	N14653	202	171	8	22	IAH	EWR	1400
##	75710	N75853	157	126	18	13	IAH	ORD	925
##	75711	N87527	133	111	-3	2	IAH	FLL	965
##	75715	N39726	159	145	-13	-2	IAH	DCA	1208
##	75718	N73406	257	224	0	3	IAH	SFO	1635
##	75721	N79521	53	39	-13	-4	IAH	SAT	191
##	75723	N77867	122	100	43	60	IAH	MCO	853
##	75725	N54711	158	128	-11	-1	IAH	DTW	1076
##	75727	N18243	237	203	22	10	IAH	LAX	1379
##	75728	N76522	194	176	-13	-5	IAH	LAS	1222
##	75730	N77510	158	122	37	31	IAH	DEN	862

##	75739	N38268	70	30	30	17	IAH	AUS	140
##	75742	N73276	253	234	-1	0	IAH	SJC	1609
##	75743	N59630	181	138	5	-1	IAH	PIT	1117
##	75747	N53441	60	43	12	18	IAH	MSY	305
##	75754	N17719	149	111	4	-3	IAH	FLL	965
##	75758	N76516	217	201	-6	0	IAH	SNA	1347
##	75766	N16632	212	187	82	63	IAH	PHL	1324
##	75768	N33284	56	34	-4	0	IAH	SAT	191
##	75770	N23721	213	141	46	4	IAH	DTW	1076
##	75773	N39418	226	194	7	2	IAH	LAX	1379
##	75775	N78501	195	174	-1	16	IAH	LAS	1222
##	75779	N77430	120	89	9	15	IAH	TPA	787
##	75781	N14731	254	204	27	5	IAH	SNA	1347
##	75787	N14653	52	31	12	14	IAH	AUS	140
##	75788	N32626	157	134	-6	-4	IAH	CLE	1091
##	75790	N79279	159	125	29	27	IAH	ORD	925
##	75792	N37408	136	109	0	8	IAH	FLL	965
##	75795	N77295	61	30	23	18	IAH	AUS	140
##	75798	N76516	125	106	7	12	IAH	RSW	861
##	75800	N14613	152	96	36	10	IAH	MCI	643
##	75807	N38417	52	31	-1	-2	IAH	AUS	140
##	75809	N37420	143	101	30	24	IAH	MCO	853
##	75811	N76254	217	195	11	9	IAH	SAN	1303
##	75812	N21723	124	107	-20	-1	IAH	MIA	964
##	75819	N73299	189	151	21	2	IAH	DCA	1208
##	75820	N38417	236	198	51	40	IAH	LAX	1379
##	75827	N37420	194	153	17	2	IAH	PHX	1009
##	75828	N16646	80	55	-2	-2	IAH	MFE	316
##	75829	N37409	61	42	-8	-6	IAH	MSY	305
##	75831	N15710	236	218	19	10	IAH	SNA	1347
##	75832	N39726	193	172	3	7	IAH	LGA	1416
##	75836	N73283	241	220	-7	7	IAH	SMF	1609
##	75838	N35407	142	115	-7	-1	IAH	ORD	925
##	75839	N38257	129	112	-15	2	IAH	FLL	965
##	75843	N34222	152	99	29	8	IAH	RSW	861
##	75846	N11641	137	108	-2	-6	IAH	ELP	667
##	75847	N75433	181	154	9	20	IAH	PHL	1324
##	75849	N76288	63	40	1	-2	IAH	SAT	191
##	75854	N16617	183	155	5	-5	IAH	DTW	1076
##	75855	N14237	233	201	18	5	IAH	SAN	1303
##	75856	N37255	142	109	-4	-3	IAH	MIA	964
##	75860	N76505	242	211	26	15	IAH	LAX	1379
##	75865	N76503	75	55	-5	-1	IAH	MFE	316
##	75869	N16649	108	59	28	8	IAH	OKC	395
##	75871	N19621	143	124	8	15	IAH	ABQ	744
##	75873	N38417	208	195	89	94	IAH	SAN	1303
##	75875	N35271	210	193	-8	-1	IAH	ONT	1334
##	75878	N37408	43	27	-15	-3	IAH	AUS	140
##	75880	N38403	141	115	-12	-3	IAH	ORD	925
##	75881	N57439	160	107	53	39	IAH	FLL	965
##	75883	N16642	121	88	-9	-1	IAH	ATL	689
##	75888	N37293	259	237	-20	0	IAH	SEA	1874
##	75891	N14219	216	156	45	22	IAH	PHL	1324
##	75894	N33262	53	34	2	10	IAH	SAT	191

##	75895	N17229	163	138	-11	-3	IAH	TUS	936
##	75898	N17614	61	38	58	69	IAH	DFW	224
##	75900	N73283	132	109	4	12	IAH	MIA	964
##	75903	N57852	231	203	22	18	IAH	LAX	1379
##	75912	N24715	219	200	2	13	IAH	SNA	1347
##	75913	N14653	96	44	35	3	IAH	MSY	305
##	75916	N30401	166	105	23	-1	IAH	PBI	956
##	75918	N33266	223	173	24	1	IAH	LGA	1416
##	75919	N37298	191	167	-2	3	IAH	PHL	1324
##	75920	N16732	143	127	-16	7	IAH	CLE	1091
##	75924	N46625	152	123	-7	-2	IAH	RDU	1043
##	75927	N26210	145	108	33	23	IAH	OMA	781
##	75932	N16647	137	108	-4	-5	IAH	MCO	853
##	75934	N17245	170	137	-3	1	IAH	HDN	986
##	75937	N25705	246	228	-16	-1	IAH	SMF	1609
##	75942	N69063	480	459	55	80	IAH	HNL	3904
##	75947	N27239	54	40	-9	1	IAH	MSY	305
##	75956	N38257	66	45	11	7	IAH	MSY	305
##	75958	N14219	53	29	5	0	IAH	AUS	140
##	75966	N29129	217	197	-5	-1	IAH	LAX	1379
##	75971	N75435	143	121	-6	3	IAH	DEN	862
##	75972	N38424	198	177	4	6	IAH	EWR	1400
##	75974	N26123	193	170	-3	8	IAH	EWR	1400
##	75979	N57870	198	171	5	-1	IAH	EWR	1400
##	75982	N78060	206	174	9	5	IAH	EWR	1400
##	75988	N14250	229	196	17	15	IAH	LAX	1379
##	75990	N77867	150	125	-6	-3	IAH	ORD	925
##	75993	N33284	217	196	-6	-3	IAH	ONT	1334
##	75999	N72405	274	241	12	2	IAH	SFO	1635
##	76005	N27213	127	105	-11	0	IAH	MIA	964
##	76011	N75432	192	168	-12	-2	IAH	LAS	1222
##	76013	N76288	141	119	-20	-4	IAH	DEN	862
##	76016	N78506	108	89	-4	10	IAH	TPA	787
##	76018	N13718	266	249	-6	-1	IAH	PDX	1825
##	76019	N79402	218	180	8	-4	IAH	EWR	1400
##	76021	N39415	236	210	-2	7	IAH	SJU	2007
##	76023	N57868	172	149	61	65	IAH	PHX	1009
##	76027	N14645	178	151	2	-2	IAH	BWI	1235
##	76033	N77525	49	34	14	13	IAH	AUS	140
##	76034	N24706	155	130	-7	-4	IAH	CLE	1091
##	76037	N77510	146	124	-2	2	IAH	RDU	1043
##	76039	N87527	175	156	5	-4	IAH	DCA	1208
##	76043	N14214	261	242	5	23	IAH	SEA	1874
##	76046	N37252	262	237	5	3	IAH	SFO	1635
##	76047	N54241	155	123	4	0	IAH	DEN	862
##	76050	N59630	68	43	2	-5	IAH	SAT	191
##	76051	N35260	227	203	16	5	IAH	BOS	1597
##	76057	N37290	186	164	-20	2	IAH	LAS	1222
##	76058	N76269	143	120	-6	-2	IAH	DEN	862
##	76062	N34222	255	240	33	52	IAH	PDX	1825
##	76063	N57869	189	159	12	24	IAH	EWR	1400
##	76068	N35407	169	146	21	28	IAH	PHX	1009
##	76070	N71411	63	46	-6	-6	IAH	MSY	305
##	76072	N17627	182	156	3	-6	IAH	BWI	1235

##	76076	N54711	190	173	-11	2	IAH	LGA	1416
##	76081	N39728	143	125	-16	-2	IAH	GUC	886
##	76084	N23721	156	138	-13	-7	IAH	DCA	1208
##	76091	N79521	253	231	9	17	IAH	SFO	1635
##	76095	N14613	64	37	4	-3	IAH	SAT	191
##	76096	N37267	220	195	5	1	IAH	BOS	1597
##	76101	N71411	203	174	11	14	IAH	LAS	1222
##	76104	N26208	173	154	-1	-2	IAH	IAD	1190
##	76105		NA	NA	NA	NA	IAH	EWR	1400
##	76107	N18243	165	146	-8	-1	IAH	IAD	1190
##	76110	N77525	256	233	7	4	IAH	SJC	1609
##	76112	N78524	62	40	-9	-7	IAH	MSY	305
##	76113	N34222	156	136	45	60	IAH	BWI	1235
##	76115	N29717	191	171	-5	4	IAH	LGA	1416
##	76119	N57855	130	111	-3	21	IAH	ORD	925
##	76121	N73256	141	125	-3	6	IAH	ORD	925
##	76125	N78509	170	150	0	-5	IAH	DCA	1208
##	76128	N39415	261	243	-2	12	IAH	SEA	1874
##	76134	N35271	53	39	-11	-3	IAH	SAT	191
##	76135	N17619	227	186	3	-5	IAH	BOS	1597
##	76139	N57862	184	163	-22	-3	IAH	LAS	1222
##	76141	N77510	136	119	0	14	IAH	DEN	862
##	76142	N16649	143	106	-3	-6	IAH	IND	845
##	76146	N12238	199	170	5	3	IAH	EWR	1400
##	76147	N14237	78	58	7	1	IAH	MFE	316
##	76150	N39416	175	148	4	5	IAH	PHX	1009
##	76157	N37277	198	175	2	4	IAH	LGA	1416
##	76158	N75426	155	132	5	8	IAH	PIT	1117
##	76161	N30401	179	160	-10	3	IAH	SLC	1195
##	76162	N13248	155	138	-12	-4	IAH	CLE	1091
##	76163	N78501	148	121	-8	-4	IAH	ORD	925
##	76171	N25705	152	135	-18	-4	IAH	DCA	1208
##	76173	N39726	208	187	-12	5	IAH	SNA	1347
##	76177	N73406	252	217	11	14	IAH	SFO	1635
##	76180	N16703	200	177	12	25	IAH	BOS	1597
##	76181	N26123	119	98	-15	-5	IAH	MCO	853
##	76186	N37281	198	166	-10	-3	IAH	LAS	1222
##	76188	N57863	137	117	-12	2	IAH	DEN	862
##	76190	N87513	138	118	-7	7	IAH	DEN	862
##	76192	N75433	116	88	11	14	IAH	TPA	787
##	76195	N14230	165	139	5	6	IAH	MSP	1034
##	76197	N16647	178	153	-6	-9	IAH	BWI	1235
##	76200	N19623	198	172	-9	-4	IAH	LGA	1416
##	76205	N73270	153	130	10	12	IAH	CLE	1091
##	76209	N14228	168	147	20	16	IAH	DCA	1208
##	76212	N29124	162	139	-11	-1	IAH	EGE	935
##	76213	N75853	262	237	7	18	IAH	SEA	1874
##	76219	N76504	208	182	-20	-6	IAH	BOS	1597
##	76221	N74856	122	97	6	12	IAH	MCO	853
##	76227	N37298	190	172	-18	-3	IAH	LAS	1222
##	76231	N16709	109	95	-13	-2	IAH	TPA	787
##	76232	N30401	258	233	73	88	IAH	PDX	1825
##	76237	N76504	62	43	-2	-3	IAH	MSY	305
##	76244	N11641	198	168	14	6	IAH	LGA	1416

##	76248	N18223	199	178	24	32	IAH	SAN	1303
##	76249	N37434	199	177	-7	6	IAH	SAN	1303
##	76250	N37263	51	33	-1	-1	IAH	AUS	140
##	76251	N75429	161	133	4	-1	IAH	CLE	1091
##	76252	N37437	142	125	-11	2	IAH	ORD	925
##	76253	N29717	186	167	-7	2	IAH	SLC	1195
##	76255	N11206	107	85	-13	-3	IAH	ATL	689
##	76258	N14242	69	45	7	1	IAH	MSY	305
##	76259	N47414	270	251	-4	5	IAH	SEA	1874
##	76262	N14242	251	228	6	11	IAH	SFO	1635
##	76263	N12221	251	228	-13	4	IAH	SFO	1635
##	76267	N75851	122	98	-6	0	IAH	MCO	853
##	76269	N14653	158	132	9	13	IAH	DTW	1076
##	76270	N37263	216	192	1	8	IAH	LAX	1379
##	76272	N75858	156	120	-5	-4	IAH	DEN	862
##	76274	N79011	192	164	1	6	IAH	EWR	1400
##	76281	N13750	105	88	-4	10	IAH	TPA	787
##	76282	N36280	203	170	11	10	IAH	EWR	1400
##	76291	N14250	138	115	1	1	IAH	FLL	965
##	76297	N32404	254	230	4	5	IAH	SFO	1635
##	76299	N11206	54	37	-7	-4	IAH	SAT	191
##	76301	N75858	127	101	-6	1	IAH	MCO	853
##	76303	N16632	166	138	-9	-8	IAH	DTW	1076
##	76305	N37287	217	188	8	12	IAH	LAX	1379
##	76306	N76505	183	165	-25	-6	IAH	LAS	1222
##	76314	N37274	52	29	0	0	IAH	AUS	140
##	76316	N76269	254	234	2	2	IAH	SJC	1609
##	76317	N59630	156	131	-19	-5	IAH	PIT	1117
##	76321	N76288	64	41	-1	-4	IAH	MSY	305
##	76323	N17620	136	113	-8	-3	IAH	CLT	913
##	76328	N76502	132	109	-11	-1	IAH	FLL	965
##	76331	N14604	123	96	-23	-8	IAH	RSW	861
##	76337	N16703	185	162	21	23	IAH	PHL	1324
##	76339	N75426	67	42	14	2	IAH	SAT	191
##	76343	N78866	214	189	-4	3	IAH	LAX	1379
##	76346	N72405	112	90	-6	3	IAH	TPA	787
##	76351	N19638	NA	NA	NA	4	IAH	AUS	140
##	76352	N46625	151	135	-16	-8	IAH	CLE	1091
##	76354	N73299	135	118	-15	3	IAH	ORD	925
##	76356	N37409	129	107	-4	6	IAH	FLL	965
##	76360	N19621	133	103	1	-4	IAH	RSW	861
##	76362	N38257	112	89	-3	6	IAH	MCI	643
##	76369	N17620	51	32	-5	-5	IAH	AUS	140
##	76371	N37420	120	97	6	18	IAH	MCO	853
##	76373	N26226	205	186	-4	1	IAH	SAN	1303
##	76374	N26226	127	106	-12	4	IAH	MIA	964
##	76382	N13750	60	33	16	7	IAH	AUS	140
##	76383	N39418	212	194	-2	6	IAH	LAX	1379
##	76390	N87512	153	139	19	45	IAH	PHX	1009
##	76391	N14639	86	57	11	0	IAH	MFE	316
##	76392	N14237	65	48	1	-1	IAH	MSY	305
##	76395	N78501	234	217	-20	-4	IAH	SMF	1609
##	76397	N39416	146	125	0	2	IAH	ORD	925
##	76398	N17245	58	32	12	4	IAH	AUS	140

##	76399	N73259	126	107	-18	-3	IAH	FLL	965
##	76402	N78511	124	100	-1	1	IAH	RSW	861
##	76404	N16642	133	102	1	-4	IAH	ELP	667
##	76407	N17619	62	39	-4	-6	IAH	SAT	191
##	76410	N24211	208	185	-3	4	IAH	SAN	1303
##	76411	N24211	140	105	-4	-1	IAH	MIA	964
##	76414	N73256	218	196	-6	2	IAH	LAX	1379
##	76418	N14731	72	55	-1	1	IAH	MFE	316
##	76422	N39726	71	55	-8	4	IAH	OKC	395
##	76424	N38268	242	222	-14	0	IAH	SMF	1609
##	76425	N14613	125	109	-23	-3	IAH	ABQ	744
##	76427	N78509	203	183	-9	-4	IAH	SAN	1303
##	76428	N37293	60	40	4	-1	IAH	SAT	191
##	76429	N27213	142	125	-2	25	IAH	MTJ	926
##	76432	N35271	205	187	-18	-6	IAH	ONT	1334
##	76435	N35407	156	123	13	7	IAH	ORD	925
##	76436	N57439	126	107	-2	13	IAH	FLL	965
##	76440	N17229	258	242	11	32	IAH	SEA	1874
##	76444	N37434	176	154	-13	-1	IAH	PHL	1324
##	76447	N54711	63	41	28	21	IAH	SAT	191
##	76448	N27610	156	137	-18	-3	IAH	TUS	936
##	76450	N27610	72	46	5	0	IAH	DFW	224
##	76451	N77518	130	104	-13	-3	IAH	MIA	964
##	76454	N74856	219	190	5	8	IAH	LAX	1379
##	76461	N24715	210	189	-3	12	IAH	SNA	1347
##	76462	N19638	78	45	7	-7	IAH	MSY	305
##	76465	N36444	123	103	-19	-5	IAH	PBI	956
##	76467	N76254	188	164	-7	-4	IAH	PHL	1324
##	76470	N21723	140	123	-5	3	IAH	RDU	1043
##	76473	N37255	133	102	8	8	IAH	OMA	781
##	76478	N14731	116	99	5	22	IAH	MCO	853
##	76480	N17245	157	138	-16	1	IAH	HDN	986
##	76483	N15710	239	222	-17	0	IAH	SMF	1609
##	76487	N77066	480	463	326	351	IAH	HNL	3904
##	76492	N76504	63	46	0	6	IAH	MSY	305
##	76493	N36280	57	37	-3	0	IAH	SAT	191
##	76503	N19623	65	50	-7	-3	IAH	MSY	305
##	76505	N14228	57	29	13	9	IAH	AUS	140
##	76513	N76515	238	194	16	9	IAH	LAX	1379
##	76516	N12114	210	190	-6	5	IAH	LAX	1379
##	76521	N75432	142	119	3	18	IAH	DEN	862
##	76522	N57857	216	183	10	2	IAH	EWR	1400
##	76524	N14120	200	179	97	109	IAH	EWR	1400
##	76530	N33286	208	180	8	0	IAH	EWR	1400
##	76533	N66051	212	185	6	4	IAH	EWR	1400
##	76542	N73299	201	178	0	26	IAH	LAX	1379
##	76544	N75858	160	128	1	-1	IAH	ORD	925
##	76547	N38257	206	180	-13	1	IAH	ONT	1334
##	76550		NA	NA	NA	NA	IAH	DCA	1208
##	76555	N37408	253	230	-14	2	IAH	SFO	1635
##	76562	N73270	141	109	0	2	IAH	MIA	964
##	76568	N57870	186	163	-22	-2	IAH	LAS	1222
##	76570	N33714	147	122	-16	-1	IAH	DEN	862
##	76575	N75429	111	94	4	17	IAH	TPA	787

##	76578	N38727	267	250	-15	-6	IAH	PDX	1825
##	76579	N37419	239	192	32	7	IAH	EWR	1400
##	76581	N39416	243	222	-3	4	IAH	SJU	2007
##	76587	N14102	162	138	13	32	IAH	PHX	1009
##	76593	N19638	185	161	2	-4	IAH	BWI	1235
##	76597	N37273	206	182	-9	-4	IAH	LGA	1416
##	76604	N58606	53	30	-7	-7	IAH	AUS	140
##	76606	N14639	180	154	10	-1	IAH	CLE	1091
##	76609	N27610	156	132	3	6	IAH	RDU	1043
##	76616	N87527	174	145	1	-2	IAH	DCA	1208
##	76620	N37420	267	247	15	32	IAH	SEA	1874
##	76623	N53441	250	225	-10	5	IAH	SFO	1635
##	76624	N27213	143	122	-9	3	IAH	DEN	862
##	76627	N73275	58	35	-8	0	IAH	SAT	191
##	76628	N14653	226	201	-1	-6	IAH	BOS	1597
##	76635	N36444	188	163	-29	-4	IAH	LAS	1222
##	76637	N33266	135	115	-18	-1	IAH	DEN	862
##	76642	N14242	278	251	-1	0	IAH	PDX	1825
##	76643	N57852	209	174	12	12	IAH	EWR	1400
##	76648	N75436	163	138	5	23	IAH	PHX	1009
##	76650	N33264	65	47	-6	-3	IAH	MSY	305
##	76652	N77296	173	153	5	6	IAH	BWI	1235
##	76656	N35271	204	177	-8	-4	IAH	LGA	1416
##	76668	N14731	176	152	4	-2	IAH	DCA	1208
##	76676	N12238	251	212	-11	4	IAH	SFO	1635
##	76682	N78524	49	35	0	13	IAH	SAT	191
##	76684	N33266	224	202	-1	-4	IAH	BOS	1597
##	76690	N33209	195	168	-4	12	IAH	LAS	1222
##	76692	N38727	139	119	-1	2	IAH	IND	845
##	76694	N36272	195	174	-16	3	IAH	SAN	1303
##	76695	N37281	175	153	0	-3	IAH	IAD	1190
##	76697	N73259	183	161	10	-1	IAH	IAD	1190
##	76699	N67052	211	174	6	0	IAH	EWR	1400
##	76701	N26208	177	158	6	1	IAH	IAD	1190
##	76704	N78509	243	221	-9	6	IAH	SJC	1609
##	76706	N37274	82	43	10	-3	IAH	MSY	305
##	76707	N78501	168	148	64	72	IAH	BWI	1235
##	76710	N16701	212	187	12	1	IAH	LGA	1416
##	76714	N17620	84	69	-6	-3	IAH	TUL	429
##	76715	N77867	152	125	-8	-1	IAH	ORD	925
##	76717	N36247	160	137	7	1	IAH	ORD	925
##	76722	N38257	170	153	0	0	IAH	DCA	1208
##	76726	N75433	274	254	-6	0	IAH	SEA	1874
##	76732	N17233	54	35	-12	0	IAH	SAT	191
##	76735	N76517	244	212	19	-1	IAH	BOS	1597
##	76740	N77871	191	163	-16	1	IAH	LAS	1222
##	76742	N76515	144	123	-9	2	IAH	DEN	862
##	76743	N17619	137	113	61	69	IAH	IND	845
##	76749	N53442	214	183	17	8	IAH	EWR	1400
##	76750	N37290	77	55	-6	-6	IAH	MFE	316
##	76756	N77431	166	144	-12	3	IAH	PHX	1009
##	76763	N37277	203	182	-1	1	IAH	LGA	1416
##	76764	N30401	182	157	19	0	IAH	PIT	1117
##	76769	N38403	168	150	-15	14	IAH	SLC	1195

##	76770	N54711	169	151	2	-3	IAH	CLE	1091
##	76771	N27239	149	125	-10	-2	IAH	ORD	925
##	76781		NA	NA	NA	NA	IAH	DCA	1208
##	76788	N32404	280	224	17	-3	IAH	SFO	1635
##	76793	N14629	234	204	18	2	IAH	BOS	1597
##	76795	N29124	114	98	-5	15	IAH	MCO	853
##	76801	N36280	198	164	-9	3	IAH	LAS	1222
##	76803	N76156	135	115	9	30	IAH	DEN	862
##	76805	N36247	146	120	-5	5	IAH	DEN	862
##	76807	N37281	118	93	0	6	IAH	TPA	787
##	76810	N76502	164	142	-4	3	IAH	MSP	1034
##	76814	N33262	63	45	-7	-3	IAH	MSY	305
##	76817	N23721	168	154	-13	-6	IAH	BWI	1235
##	76820	N17245	213	192	3	-2	IAH	LGA	1416
##	76824	N33292	159	142	-2	1	IAH	CLE	1091
##	76829	N78285	168	147	1	2	IAH	DCA	1208
##	76832	N26123	156	137	-23	-2	IAH	EGE	935
##	76833	N75851	271	250	4	11	IAH	SEA	1874
##	76836	N39418	241	220	102	129	IAH	SFO	1635
##	76841	N13750	222	201	-2	3	IAH	BOS	1597
##	76844	N77431	121	102	-10	2	IAH	MCO	853
##	76850	N38417	182	161	-31	-3	IAH	LAS	1222
##	76854	N39728	110	92	-12	3	IAH	TPA	787
##	76855	N38403	270	245	-7	1	IAH	PDX	1825
##	76858	N23708	68	51	0	-2	IAH	MSY	305
##	76865	N37273	214	192	32	13	IAH	LGA	1416
##	76869	N26215	182	167	15	45	IAH	SAN	1303
##	76870	N75432	192	169	-25	0	IAH	SAN	1303
##	76871	N14228	49	28	25	32	IAH	AUS	140
##	76872	N24212	174	148	9	-2	IAH	CLE	1091
##	76873	N76526	147	126	29	42	IAH	ORD	925
##	76874	N39728	175	160	-32	-7	IAH	SLC	1195
##	76876	N59630	124	90	18	17	IAH	ATL	689
##	76877	N76523	199	175	-27	4	IAH	SNA	1347
##	76881	N76254	63	45	-1	4	IAH	MSY	305
##	76882	N75435	281	260	13	16	IAH	SEA	1874
##	76885	N73259	277	252	77	61	IAH	SFO	1635
##	76886	N37252	249	225	-17	4	IAH	SFO	1635
##	76887	N14230	195	164	4	0	IAH	PHL	1324
##	76892	N57868	123	103	-13	-3	IAH	MCO	853
##	76894	N16649	203	156	30	-6	IAH	DTW	1076
##	76897	N76505	204	181	65	89	IAH	LAX	1379
##	76900	N57862	142	118	-19	1	IAH	DEN	862
##	76906	N78013	245	170	45	5	IAH	EWR	1400
##	76910	N73406	168	143	-9	0	IAH	PHX	1009
##	76916	N73256	125	97	1	0	IAH	TPA	787
##	76917	N24729	230	182	25	5	IAH	EWR	1400
##	76926	N30401	148	127	-5	-1	IAH	ORD	925
##	76927	N73299	130	110	-16	-3	IAH	FLL	965
##	76931	N17719	156	142	35	54	IAH	DCA	1208
##	76934	N35407	266	217	10	4	IAH	SFO	1635
##	76937	N17620	66	38	1	-3	IAH	SAT	191
##	76939	N57862	128	105	-14	-3	IAH	MCO	853
##	76941	N76288	175	154	6	-1	IAH	DTW	1076

##	76943	N33289	240	181	18	3	IAH	LAX	1379
##	76944	N17245	174	158	-32	1	IAH	LAS	1222
##	76946	N77258	156	125	5	1	IAH	DEN	862
##	76955	N27239	47	30	-13	-3	IAH	AUS	140
##	76957	N39297	241	220	-13	5	IAH	SJC	1609
##	76958	N16632	183	150	2	-6	IAH	PIT	1117
##	76962	N77296	58	42	-12	-4	IAH	MSY	305
##	76964	N16642	141	114	-7	-2	IAH	CLT	913
##	76970	N79521	142	113	-6	-1	IAH	FLL	965
##	76974	N77518	200	178	-4	19	IAH	SNA	1347
##	76976	N16647	132	102	-18	-7	IAH	RSW	861
##	76983	N17619	203	172	48	37	IAH	PHL	1324
##	76985	N36247	65	42	6	1	IAH	SAT	191
##	76987	N14731	178	146	15	8	IAH	DTW	1076
##	76990	N77867	201	178	-16	9	IAH	LAX	1379
##	76992	N73275	184	162	-29	-1	IAH	LAS	1222
##	76996	N37408	113	90	5	18	IAH	TPA	787
##	76998	N17730	204	179	-2	26	IAH	SNA	1347
##	77003	N72405	44	30	29	40	IAH	AUS	140
##	77005	N16646	54	27	-2	-2	IAH	AUS	140
##	77006	N18243	174	152	16	8	IAH	CLE	1091
##	77008	N73256	161	140	11	7	IAH	ORD	925
##	77010	N72405	130	112	31	45	IAH	FLL	965
##	77014	N76523	177	151	9	2	IAH	DCA	1208
##	77018	N77518	124	104	-9	-3	IAH	RSW	861
##	77020	N19638	117	96	-6	3	IAH	MCI	643
##	77027	N39726	51	28	-3	2	IAH	AUS	140
##	77029	N14228	128	107	7	16	IAH	MCO	853
##	77031	N54241	198	177	12	29	IAH	SAN	1303
##	77032	N26226	136	113	-6	1	IAH	MIA	964
##	77040	N37252	50	30	1	7	IAH	AUS	140
##	77041	N33294	205	184	-9	11	IAH	LAX	1379
##	77048	N77430	168	143	-16	0	IAH	PHX	1009
##	77049	N39726	74	54	-5	1	IAH	MFE	316
##	77050	N77261	70	52	0	-2	IAH	MSY	305
##	77052	N15710	199	177	-30	-2	IAH	SNA	1347
##	77053	N46625	229	206	22	-4	IAH	LGA	1416
##	77056	N59630	75	53	-10	-7	IAH	MFE	316
##	77057	N21723	243	219	-5	7	IAH	SMF	1609
##	77059	N32404	153	131	-3	-3	IAH	ORD	925
##	77060	N14230	136	115	5	15	IAH	FLL	965
##	77064	N14242	134	105	17	14	IAH	RSW	861
##	77067	N19621	133	101	-5	-5	IAH	ELP	667
##	77068	N75428	194	167	54	52	IAH	PHL	1324
##	77071	N16632	60	33	-10	-5	IAH	SAT	191
##	77076	N14604	175	145	2	0	IAH	DTW	1076
##	77077	N37298	196	174	-16	8	IAH	SAN	1303
##	77078	N33209	136	107	-8	4	IAH	MIA	964
##	77082	N73278	198	180	76	109	IAH	LAX	1379
##	77087	N17719	73	56	-6	0	IAH	MFE	316
##	77092	N19623	95	62	33	26	IAH	OKC	395
##	77094	N17233	239	217	-23	-1	IAH	SMF	1609
##	77095	N14653	135	105	-17	-2	IAH	ABQ	744
##	77096	N14214	190	172	6	29	IAH	SAN	1303

##	77098	N76504	191	175	-11	20	IAH	ONT	1334
##	77103	N38417	157	135	-2	-4	IAH	ORD	925
##	77104	N39297	147	110	21	20	IAH	FLL	965
##	77106	N16632	123	95	-6	0	IAH	ATL	689
##	77111	N14237	279	254	-4	1	IAH	SEA	1874
##	77114	N39415	200	171	25	18	IAH	PHL	1324
##	77117	N35271	56	34	-6	-1	IAH	SAT	191
##	77118	N14639	156	130	-22	-2	IAH	TUS	936
##	77121	N62631	76	43	1	-3	IAH	DFW	224
##	77123	N12221	133	112	19	26	IAH	MIA	964
##	77126	N57863	218	183	-2	7	IAH	LAX	1379
##	77135	N24715	211	187	-20	-1	IAH	SNA	1347
##	77136	N17620	63	46	-9	-3	IAH	MSY	305
##	77139	N77430	143	109	1	0	IAH	PBI	956
##	77141	N76269	202	179	-8	-5	IAH	LGA	1416
##	77142	N13248	217	195	20	-1	IAH	PHL	1324
##	77143	N25705	171	152	10	5	IAH	CLE	1091
##	77147	N59630	160	137	-1	-4	IAH	RDU	1043
##	77150	N78524	126	111	-8	1	IAH	OMA	781
##	77155	N37255	129	99	-14	-5	IAH	MCO	853
##	77157	N14629	162	141	-24	-4	IAH	HDN	986
##	77160	N34222	234	209	-29	-2	IAH	SMF	1609
##	77165	N76055	474	455	-6	25	IAH	HNL	3904
##	77170	N12216	63	45	23	29	IAH	MSY	305
##	77171	N37298	53	38	98	105	IAH	SAT	191
##	77181	N16646	71	46	-1	-3	IAH	MSY	305
##	77183	N76503	47	29	6	12	IAH	AUS	140
##	77191	N73270	216	180	-11	4	IAH	LAX	1379
##	77194	N34137	209	184	-16	1	IAH	LAX	1379
##	77199	N75858	138	118	143	162	IAH	DEN	862
##	77200	N76153	184	158	2	26	IAH	EWR	1400
##	77202	N21108	203	167	24	33	IAH	EWR	1400
##	77208	NA	NA	NA	NA	NA	IAH	EWR	1400
##	77212	N66056	283	161	95	22	IAH	EWR	1400
##	77218	N37287	76	47	7	-1	IAH	MSY	305
##	77222	N77295	203	180	210	234	IAH	LAX	1379
##	77224	N77867	162	137	4	0	IAH	ORD	925
##	77227	N73278	197	179	219	242	IAH	ONT	1334
##	77230	N39726	159	142	-13	-2	IAH	DCA	1208
##	77235	N71411	236	212	-26	7	IAH	SFO	1635
##	77242	N76269	129	109	-7	7	IAH	MIA	964
##	77248	N75861	202	157	-3	1	IAH	LAS	1222
##	77250	N17229	146	125	-18	-2	IAH	DEN	862
##	77255	N38424	112	92	16	28	IAH	TPA	787
##	77258	N17730	245	234	137	168	IAH	PDX	1825
##	77259	N37420	195	168	24	43	IAH	EWR	1400
##	77261	N77431	240	218	0	10	IAH	SJU	2007
##	77267	N12109	192	151	16	5	IAH	PHX	1009
##	77273	N27610	171	148	-11	-3	IAH	BWI	1235
##	77277	N37274	199	162	-13	-1	IAH	LGA	1416
##	77284	N13624	55	30	0	-2	IAH	AUS	140
##	77286	N14653	191	141	14	-8	IAH	CLE	1091
##	77289	N39726	136	113	208	227	IAH	RDU	1043
##	77296	NA	NA	NA	NA	NA	IAH	DCA	1208

## 77300	N36444	268	253	45	61	IAH	SEA	1874
## 77303	N75432	237	214	-15	13	IAH	SFO	1635
## 77304	N26226	155	126	7	7	IAH	DEN	862
## 77307	N38268	57	35	-9	0	IAH	SAT	191
## 77308	N33264	217	188	-2	2	IAH	BOS	1597
## 77315	N75433	212	163	-2	-1	IAH	LAS	1222
## 77317	N77431	148	126	42	46	IAH	DEN	862
## 77322	N37290	259	244	-18	2	IAH	PDX	1825
## 77323	N57869	206	180	51	54	IAH	EWR	1400
## 77328	N75425	169	150	-12	0	IAH	PHX	1009
## 77330	N73275	61	45	61	68	IAH	MSY	305
## 77332	N14237	168	144	-5	1	IAH	BWI	1235
## 77336	N14230	192	163	-15	1	IAH	LGA	1416
## 77347	N24729	146	129	-18	-7	IAH	GUC	886
## 77350	N14704	165	141	-8	-3	IAH	DCA	1208
## 77358	N33284	225	208	-6	35	IAH	SFO	1635
## 77364	N58606	63	36	-2	-3	IAH	SAT	191
## 77366	N77261	203	182	-24	-6	IAH	BOS	1597
## 77372	N73251	190	158	-7	14	IAH	LAS	1222
## 77374	N37419	138	111	-9	-5	IAH	IND	845
## 77376	N37267	192	174	-12	10	IAH	SAN	1303
## 77377	N17719	209	148	34	-3	IAH	IAD	1190
## 77379	N36280	162	141	35	45	IAH	IAD	1190
## 77381		NA	NA	NA	NA	IAH	EWR	1400
## 77383	N33289	157	135	-15	0	IAH	IAD	1190
## 77386	N77518	224	203	-12	22	IAH	SJC	1609
## 77388	N33266	60	41	-11	-2	IAH	MSY	305
## 77389	N37290	165	144	-1	10	IAH	BWI	1235
## 77392	N24715	181	162	-17	3	IAH	LGA	1416
## 77396	N19621	96	69	2	-7	IAH	TUL	429
## 77397	N57857	152	128	11	18	IAH	ORD	925
## 77399	N37252	152	131	8	10	IAH	ORD	925
## 77404	N18243	157	139	-13	0	IAH	DCA	1208
## 77408	N37419	281	257	2	1	IAH	SEA	1874
## 77414	N77258	61	36	-8	-3	IAH	SAT	191
## 77417	N77520	218	188	2	8	IAH	BOS	1597
## 77422	N75854	200	163	-6	2	IAH	LAS	1222
## 77424	N36272	151	124	-4	0	IAH	DEN	862
## 77425	N16646	150	124	1	-4	IAH	IND	845
## 77431	N47414	259	182	181	127	IAH	EWR	1400
## 77432	N18243	68	52	-5	4	IAH	MFE	316
## 77438	N75426	170	145	114	125	IAH	PHX	1009
## 77444	N37263	203	175	57	59	IAH	LGA	1416
## 77445	N32404	157	135	104	110	IAH	PIT	1117
## 77450	N30401	191	166	-8	-2	IAH	SLC	1195
## 77451	N16234	160	137	-7	-3	IAH	CLE	1091
## 77452	N77258	157	128	1	1	IAH	ORD	925
## 77462	N23708	164	143	-8	-1	IAH	DCA	1208
## 77469	N38417	227	210	31	64	IAH	SFO	1635
## 77474	N33292	209	187	-8	1	IAH	BOS	1597
## 77476	N21108	124	100	-14	-4	IAH	MCO	853
## 77482	N14237	176	153	-27	7	IAH	LAS	1222
## 77484	N57862	143	119	-2	11	IAH	DEN	862
## 77486	N37252	150	122	-2	4	IAH	DEN	862

## 77488	N39297	112	89	25	37	IAH	TPA	787
## 77491	N14731	180	158	18	9	IAH	MSP	1034
## 77495	N14214	68	50	1	0	IAH	MSY	305
## 77498	N13750	166	150	-11	3	IAH	BWI	1235
## 77501	N15710	213	175	110	105	IAH	LGA	1416
## 77505	N76502	169	142	16	9	IAH	CLE	1091
## 77510	N24729	155	140	-14	0	IAH	DCA	1208
## 77513	N38727	167	143	-10	0	IAH	EGE	935
## 77514	N57868	276	251	7	9	IAH	SEA	1874
## 77517	N37434	225	205	35	78	IAH	SFO	1635
## 77522	N38268	212	189	-11	4	IAH	BOS	1597
## 77525	N78866	130	101	-5	-2	IAH	MCO	853
## 77531	N35407	189	161	27	48	IAH	LAS	1222
## 77535	N16703	119	94	-9	-3	IAH	TPA	787
## 77536	N30401	262	237	-15	1	IAH	PDX	1825
## 77539	N26226	68	46	0	-2	IAH	MSY	305
## 77546	N36272	180	160	94	109	IAH	LGA	1416
## 77550	N39416	182	167	-30	0	IAH	SAN	1303
## 77551	N75426	196	175	-19	2	IAH	SAN	1303
## 77552	N33286	54	30	-4	-2	IAH	AUS	140
## 77553	N87513	167	138	5	1	IAH	CLE	1091
## 77554	N27239	158	134	13	15	IAH	ORD	925
## 77555	N14250	181	162	-16	3	IAH	SLC	1195
## 77557	N14629	121	84	-1	1	IAH	ATL	689
## 77558	N77518	221	183	-10	-1	IAH	SNA	1347
## 77562	N26215	68	46	-5	-5	IAH	MSY	305
## 77563	N11206	268	251	-14	2	IAH	SEA	1874
## 77566	N26215	231	212	-27	3	IAH	SFO	1635
## 77567	N73278	242	215	-28	0	IAH	SFO	1635
## 77568	N23708	171	147	-18	2	IAH	PHL	1324
## 77573	N75851	120	98	0	13	IAH	MCO	853
## 77575	N17627	168	143	-2	-3	IAH	DTW	1076
## 77578	N39415	203	182	-3	22	IAH	LAX	1379
## 77581	N77871	146	121	-17	-1	IAH	DEN	862
## 77587	N78009	335	176	267	137	IAH	EWR	1400
## 77592	N37413	164	145	-4	9	IAH	PHX	1009
## 77598	N12225	114	94	21	31	IAH	TPA	787
## 77599	N12225	203	171	65	72	IAH	EWR	1400
## 77608	N38403	158	140	8	2	IAH	ORD	925
## 77609	N77295	135	111	-9	-1	IAH	FLL	965
## 77613	N54711	162	140	-2	11	IAH	DCA	1208
## 77616	N37409	230	210	-28	2	IAH	SFO	1635
## 77619	N76254	55	36	13	20	IAH	SAT	191
## 77621	N77871	114	93	-13	12	IAH	MCO	853
## 77623	N24202	175	144	7	0	IAH	DTW	1076
## 77625	N24202	199	179	13	39	IAH	LAX	1379
## 77626	N24212	193	168	-19	-5	IAH	LAS	1222
## 77628	N78511	150	121	19	21	IAH	DEN	862
## 77637	N37274	43	26	134	148	IAH	AUS	140
## 77639	N33266	246	211	-15	-2	IAH	SJC	1609
## 77640	N27610	167	144	-11	-3	IAH	PIT	1117
## 77644	N34222	62	45	2	6	IAH	MSY	305
## 77646	N14629	128	108	-23	-5	IAH	CLT	913
## 77652	N76505	139	115	-8	0	IAH	FLL	965

##	77656	N76522	198	180	-26	-1	IAH	SNA	1347
##	77658	N16632	123	100	-23	-3	IAH	RSW	861
##	77665	N14242	184	151	93	101	IAH	PHL	1324
##	77667	N39416	57	39	4	7	IAH	SAT	191
##	77669	N79521	176	143	3	-2	IAH	DTW	1076
##	77672	N57857	218	183	-1	7	IAH	LAX	1379
##	77674	N37422	193	168	-17	2	IAH	LAS	1222
##	77675	N16217	160	139	-9	1	IAH	DCA	1208
##	77679	N71411	111	87	-7	8	IAH	TPA	787
##	77681	N16732	209	186	-12	11	IAH	SNA	1347
##	77686	N53442	53	31	0	2	IAH	AUS	140
##	77688	N14613	55	31	0	-1	IAH	AUS	140
##	77689	N16648	158	134	-11	-3	IAH	CLE	1091
##	77691	N36247	180	136	29	6	IAH	ORD	925
##	77693	N38403	153	113	10	1	IAH	FLL	965
##	77700	N76522	127	106	-4	-1	IAH	RSW	861
##	77702	N19638	130	102	3	-1	IAH	MCI	643
##	77709	N39416	50	32	-11	-5	IAH	AUS	140
##	77711	N76503	116	94	-1	20	IAH	MCO	853
##	77713	N35204	197	178	-15	3	IAH	SAN	1303
##	77714	N77296	135	114	-8	0	IAH	MIA	964
##	77722	N76504	54	30	2	4	IAH	AUS	140
##	77723	N37413	211	183	11	25	IAH	LAX	1379
##	77730	N73406	176	147	-3	5	IAH	PHX	1009
##	77731	N16642	76	56	-6	-2	IAH	MFE	316
##	77732	N18243	61	43	-6	1	IAH	MSY	305
##	77734	N23721	203	184	-7	17	IAH	SNA	1347
##	77735	N16632	188	166	216	231	IAH	LGA	1416
##	77738	N58606	79	57	-2	-3	IAH	MFE	316
##	77739	N73299	230	212	-25	0	IAH	SMF	1609
##	77741	N79402	157	131	31	27	IAH	ORD	925
##	77742	N73259	136	114	-6	4	IAH	FLL	965
##	77746	N27213	118	94	-13	0	IAH	RSW	861
##	77749	N14613	118	100	-19	-4	IAH	ELP	667
##	77750	N53441	216	170	42	18	IAH	PHL	1324
##	77753	N62631	65	38	-3	-3	IAH	SAT	191
##	77758	N16647	176	148	45	42	IAH	DTW	1076
##	77759	N24212	202	179	-13	5	IAH	SAN	1303
##	77760	N12221	137	109	6	17	IAH	MIA	964
##	77764	N18220	213	186	-15	3	IAH	LAX	1379
##	77769	N87512	76	56	10	13	IAH	MFE	316
##	77774	N14639	86	61	-6	-4	IAH	OKC	395
##	77776	N76269	254	233	-11	-4	IAH	SMF	1609
##	77777	N17620	133	109	-11	6	IAH	ABQ	744
##	77778	N75436	187	171	40	66	IAH	SAN	1303
##	77780	N33292	209	182	-13	0	IAH	ONT	1334
##	77785	N35407	156	124	9	8	IAH	ORD	925
##	77786	N76254	138	108	0	8	IAH	FLL	965
##	77788	N62631	124	85	1	6	IAH	ATL	689
##	77793	N39418	283	253	2	3	IAH	SEA	1874
##	77796	N14214	180	160	8	21	IAH	PHL	1324
##	77799	N14230	57	35	8	12	IAH	SAT	191
##	77800	N17620	173	142	-7	-4	IAH	TUS	936
##	77803	N17719	70	48	10	12	IAH	DFW	224

##	77805	N54241	144	113	6	2	IAH	MIA	964
##	77808	N78866	206	176	-7	14	IAH	LAX	1379
##	77817	N13750	208	179	41	63	IAH	SNA	1347
##	77818	N14613	63	42	-12	-6	IAH	MSY	305
##	77821	N36207	127	109	-10	5	IAH	PBI	956
##	77823	N35271	176	156	-22	7	IAH	LGA	1416
##	77824	N17233	200	164	36	32	IAH	PHL	1324
##	77825	N17730	149	131	-6	11	IAH	CLE	1091
##	77829	N46625	146	117	-9	2	IAH	RDU	1043
##	77832	N33209	138	113	4	1	IAH	OMA	781
##	77837	N39297	122	97	-21	-5	IAH	MCO	853
##	77839	N19621	176	140	-9	-3	IAH	HDN	986
##	77842	N38727	227	210	14	48	IAH	SMF	1609
##	77847	N76065	486	471	0	19	IAH	HNL	3904
##	77852	N24212	56	41	-1	12	IAH	MSY	305
##	77853	N13248	63	37	2	-1	IAH	SAT	191
##	77862	N75428	61	43	-9	-1	IAH	MSY	305
##	77864	N19638	56	27	1	-2	IAH	AUS	140
##	77872	N78509	216	190	-17	-2	IAH	LAX	1379
##	77875	N41135	211	189	-16	-1	IAH	LAX	1379
##	77880	N77867	166	137	11	2	IAH	DEN	862
##	77881		NA	NA	NA	NA	IAH	EWR	1400
##	77883	N13113	193	161	47	66	IAH	EWR	1400
##	77889	N36280	215	184	12	-3	IAH	EWR	1400
##	77893	N69059	231	176	181	160	IAH	EWR	1400
##	77899	N26226	72	47	6	2	IAH	MSY	305
##	77903	N33209	218	194	-7	2	IAH	LAX	1379
##	77904	N75854	164	128	14	8	IAH	ORD	925
##	77907	N24202	223	196	7	4	IAH	ONT	1334
##	77910		NA	NA	NA	NA	IAH	DCA	1208
##	77915	N39297	244	221	-24	1	IAH	SFO	1635
##	77921	N38268	129	105	-16	-2	IAH	MIA	964
##	77925	N14228	155	124	4	11	IAH	DEN	862
##	77930	N77430	121	96	-3	0	IAH	TPA	787
##	77933	N17719	264	243	-13	-1	IAH	PDX	1825
##	77934		NA	NA	NA	NA	IAH	EWR	1400
##	77936	N47414	260	239	7	-3	IAH	SJU	2007
##	77942	N12114	182	153	3	2	IAH	PHX	1009
##	77951	N14242	200	165	15	26	IAH	LGA	1416
##	77958	N19623	50	27	-5	-2	IAH	AUS	140
##	77960	N16647	161	132	-13	-5	IAH	CLE	1091
##	77963	N16646	153	127	-8	-2	IAH	RDU	1043
##	77969	N87513	162	140	1	10	IAH	DCA	1208
##	77975	N16234	144	118	1	12	IAH	DEN	862
##	77978	N32404	217	185	9	13	IAH	BOS	1597
##	77984	N13248	149	123	-10	-7	IAH	DEN	862
##	77989	N37290	273	259	-10	-4	IAH	PDX	1825
##	77990	N77865	NA	NA	NA	26	IAH	EWR	1400
##	77994	N75433	172	149	12	21	IAH	PHX	1009
##	77995	N73276	63	43	-7	-2	IAH	MSY	305
##	77997	N76526	176	157	3	1	IAH	BWI	1235
##	78001	N77261	221	184	21	8	IAH	LGA	1416
##	78013	N76503	161	147	-13	-4	IAH	DCA	1208
##	78019	N37252	243	215	-21	2	IAH	SFO	1635

##	78024	N76505	61	40	0	1	IAH	SAT	191
##	78031	N73259	201	178	-8	-1	IAH	LAS	1222
##	78033	N12216	130	104	-12	0	IAH	IND	845
##	78035	N33292	170	143	-5	-3	IAH	IAD	1190
##	78037	N37298	194	176	20	-2	IAH	IAD	1190
##	78039	N76523	221	188	10	-6	IAH	EWR	1400
##	78041	N77296	NA	NA	NA	0	IAH	IAD	1190
##	78044	N87513	237	216	-18	3	IAH	SJC	1609
##	78045	N37267	69	42	-3	-3	IAH	MSY	305
##	78046		NA	NA	NA	NA	IAH	BWI	1235
##	78049	N33284	200	177	44	45	IAH	LGA	1416
##	78053	N17620	78	61	-18	-9	IAH	TUL	429
##	78054	N75861	161	124	-7	-9	IAH	ORD	925
##	78056	N79279	154	134	0	0	IAH	ORD	925
##	78061	N17233	183	158	11	-2	IAH	DCA	1208
##	78065	N38417	271	249	-10	-1	IAH	SEA	1874
##	78071	N33264	62	40	-3	1	IAH	SAT	191
##	78072	N76516	229	200	6	1	IAH	BOS	1597
##	78076	N57869	206	182	-1	1	IAH	LAS	1222
##	78078	N14653	142	105	-15	-12	IAH	IND	845
##	78084	N37419	227	190	193	171	IAH	EWR	1400
##	78085	N24729	71	55	-7	-1	IAH	MFE	316
##	78091	N37434	169	151	-16	-4	IAH	PHX	1009
##	78097	N35271	206	180	84	83	IAH	LGA	1416
##	78098	N76254	162	137	1	2	IAH	PIT	1117
##	78103	N35407	186	164	-8	3	IAH	SLC	1195
##	78104	N19638	165	136	-15	-10	IAH	CLE	1091
##	78105	N78509	151	130	-10	-4	IAH	ORD	925
##	78115		NA	NA	NA	NA	IAH	DCA	1208
##	78117	N76519	221	198	-14	-5	IAH	SNA	1347
##	78123	N35407	243	214	-8	9	IAH	SFO	1635
##	78128	N12238	212	185	-14	-8	IAH	BOS	1597
##	78130	N13113	173	102	38	-1	IAH	MCO	853
##	78136	N33292	204	173	-6	0	IAH	LAS	1222
##	78138	N57868	152	124	7	11	IAH	DEN	862
##	78140	N27213	144	122	-9	3	IAH	DEN	862
##	78142	N73299	114	92	-10	0	IAH	TPA	787
##	78145	N12225	176	140	11	6	IAH	MSP	1034
##	78149	N33264	72	49	4	-1	IAH	MSY	305
##	78152	N27610	177	159	-6	-3	IAH	BWI	1235
##	78154		NA	NA	NA	NA	IAH	LGA	1416
##	78158	N73276	164	138	-3	-5	IAH	CLE	1091
##	78161		NA	NA	NA	NA	IAH	DCA	1208
##	78164	N24729	161	143	-22	-6	IAH	EGE	935
##	78166	N75851	283	262	5	0	IAH	SEA	1874
##	78169	N26208	251	223	-10	7	IAH	SFO	1635
##	78173	N77258	224	188	-6	-3	IAH	BOS	1597
##	78179	N79402	208	180	-1	1	IAH	LAS	1222
##	78183	N23707	123	93	-7	-5	IAH	TPA	787
##	78184	N32404	273	246	-8	-3	IAH	PDX	1825
##	78193		NA	NA	NA	NA	IAH	LGA	1416
##	78197	N39418	204	183	-12	1	IAH	SAN	1303
##	78198	N75429	159	128	-6	-2	IAH	CLE	1091
##	78199	N77510	164	135	11	7	IAH	ORD	925

##	78200	N36280	174	156	-14	12	IAH	SLC	1195
##	78202	N14639	118	86	-13	-8	IAH	ATL	689
##	78205	N26215	67	46	-4	-3	IAH	MSY	305
##	78206	N87507	280	256	5	9	IAH	SEA	1874
##	78209	N34222	248	212	-17	-4	IAH	SFO	1635
##	78210	N37255	247	221	-20	3	IAH	SFO	1635
##	78211	N14230	227	156	180	144	IAH	PHL	1324
##	78216	N77871	122	103	-10	1	IAH	MCO	853
##	78219	N77295	222	195	4	10	IAH	LAX	1379
##	78222	N57857	152	123	-6	4	IAH	DEN	862
##	78228	N77014	219	185	45	31	IAH	EWR	1400
##	78233	N37408	174	148	13	16	IAH	PHX	1009
##	78240		NA	NA	NA	NA	IAH	EWR	1400
##	78248	N30401	135	117	3	20	IAH	ORD	925
##	78249	N33209	133	112	-12	-2	IAH	FLL	965
##	78253		NA	NA	NA	NA	IAH	DCA	1208
##	78256	N37409	249	216	-4	7	IAH	SFO	1635
##	78259	N12221	58	40	1	5	IAH	SAT	191
##	78261	N57857	131	102	-2	6	IAH	MCO	853
##	78263	N33289	163	134	-6	-1	IAH	DTW	1076
##	78265	N33289	201	182	-30	-6	IAH	LAX	1379
##	78266	N13248	202	176	-7	-2	IAH	LAS	1222
##	78268	N79521	162	124	9	-1	IAH	DEN	862
##	78276	N33266	62	29	10	5	IAH	AUS	140
##	78278	N33266	233	220	-28	-2	IAH	SJC	1609
##	78279	N76502	167	138	-9	-5	IAH	PIT	1117
##	78283	N73270	62	43	-6	-2	IAH	MSY	305
##	78285	N16642	137	118	-12	-3	IAH	CLT	913
##	78294	N76522	222	195	4	5	IAH	SNA	1347
##	78301	N14242	54	38	88	94	IAH	SAT	191
##	78303	N39297	164	130	-15	-8	IAH	DTW	1076
##	78305	N75861	221	195	-5	0	IAH	LAX	1379
##	78307	N24224	208	176	-3	1	IAH	LAS	1222
##	78311	N75410	113	91	-10	3	IAH	TPA	787
##	78312	N39726	213	190	-12	7	IAH	SNA	1347
##	78316	N73278	56	29	1	0	IAH	AUS	140
##	78318	N14629	53	31	0	1	IAH	AUS	140
##	78319	N16649	154	135	-22	-10	IAH	CLE	1091
##	78321	N17245	155	136	-3	-1	IAH	ORD	925
##	78323	N30401	135	118	67	76	IAH	FLL	965
##	78327	N76519	57	30	3	2	IAH	AUS	140
##	78331	N76522	128	109	1	3	IAH	RSW	861
##	78333	N16648	121	95	-5	0	IAH	MCI	643
##	78340	N37408	47	30	-12	-3	IAH	AUS	140
##	78342	N75432	120	99	-17	0	IAH	MCO	853
##	78344	N27239	211	185	-6	-2	IAH	SAN	1303
##	78345	N33286	137	115	-3	3	IAH	MIA	964
##	78351		NA	NA	NA	NA	IAH	DCA	1208
##	78357	N58606	81	56	-3	-4	IAH	MFE	316
##	78358	N75429	63	44	-7	-2	IAH	MSY	305
##	78360	N17719	201	188	-25	1	IAH	SNA	1347
##	78361		NA	NA	NA	NA	IAH	LGA	1416
##	78364	N26226	249	228	-8	-2	IAH	SMF	1609
##	78366	N34222	144	126	-16	-7	IAH	ORD	925

##	78367	N33286	140	117	-8	-2	IAH	FLL	965
##	78371	N37290	119	97	8	20	IAH	RSW	861
##	78375	N14629	131	107	-1	1	IAH	ELP	667
##	78376	N36444	190	162	-1	1	IAH	PHL	1324
##	78379	N12216	53	37	-15	-3	IAH	SAT	191
##	78384	N16632	174	135	-5	-6	IAH	DTW	1076
##	78385	N37281	204	181	-16	0	IAH	SAN	1303
##	78389	N79279	220	194	-7	4	IAH	LAX	1379
##	78394	N17229	78	56	-4	-3	IAH	MFE	316
##	78398	N58606	86	64	-5	-3	IAH	OKC	395
##	78400	N53442	233	217	-31	-3	IAH	SMF	1609
##	78401	N14613	141	122	-12	-3	IAH	ABQ	744
##	78402	N75428	204	181	-8	1	IAH	SAN	1303
##	78405	N73259	207	188	-18	-3	IAH	ONT	1334
##	78409	N77865	155	125	1	1	IAH	ORD	925
##	78410	N53442	144	116	10	12	IAH	FLL	965
##	78411	N14653	131	99	0	-2	IAH	ATL	689
##	78415	N53441	272	255	-5	7	IAH	SEA	1874
##	78417	NA	NA	NA	NA	NA	IAH	PHL	1324
##	78419	N37274	59	37	-5	-3	IAH	SAT	191
##	78420	N16617	74	41	-3	-5	IAH	DFW	224
##	78422	N26226	138	114	8	10	IAH	MIA	964
##	78425	N57864	217	186	-4	6	IAH	LAX	1379
##	78434	N14731	220	201	-10	0	IAH	SNA	1347
##	78437	N57439	133	110	-9	0	IAH	PBI	956
##	78439	NA	NA	NA	NA	NA	IAH	LGA	1416
##	78440	N78501	184	160	140	152	IAH	PHL	1324
##	78441	N25705	146	127	-19	1	IAH	CLE	1091
##	78445	N17619	155	124	-8	-6	IAH	RDU	1043
##	78448	N76505	125	105	-11	-1	IAH	OMA	781
##	78453	N37409	128	102	-3	7	IAH	MCO	853
##	78455	N17620	180	153	-6	-4	IAH	HDN	986
##	78458	N23707	236	217	-25	0	IAH	SMF	1609
##	78463	N68061	493	473	-13	-1	IAH	HNL	3904
##	78468	N14230	67	44	-4	-2	IAH	MSY	305
##	78469	N33286	71	41	9	-2	IAH	SAT	191
##	78478	N16632	73	46	-2	-6	IAH	MSY	305
##	78480	N24224	56	32	94	91	IAH	AUS	140
##	78490	N17133	235	192	9	0	IAH	LAX	1379
##	78495	N57868	148	125	106	115	IAH	DEN	862
##	78496	N18119	187	165	-21	0	IAH	EWR	1400
##	78498	N58101	184	158	-24	4	IAH	EWR	1400
##	78504	N12218	190	164	-10	0	IAH	EWR	1400
##	78508	N66051	190	163	-20	0	IAH	EWR	1400
##	78514	N36444	64	44	-4	0	IAH	MSY	305
##	78518	N33284	225	194	1	3	IAH	LAX	1379
##	78519	N57857	160	124	4	2	IAH	ORD	925
##	78522	N76254	210	182	-2	8	IAH	ONT	1334
##	78525	N23707	157	136	-20	-7	IAH	DCA	1208
##	78530	N38403	245	224	-23	1	IAH	SFO	1635
##	78536	N38268	136	114	-9	-2	IAH	MIA	964
##	78540	N77296	140	117	-23	-1	IAH	DEN	862
##	78545	N39415	130	106	2	-4	IAH	TPA	787
##	78548	N15712	274	255	-3	-1	IAH	PDX	1825

##	78549	N29129	198	162	-14	2	IAH	EWR	1400
##	78551	N53442	271	248	17	-4	IAH	SJU	2007
##	78557	N13138	167	147	-14	0	IAH	PHX	1009
##	78566	N17719	186	161	-29	-4	IAH	LGA	1416
##	78573	N32626	62	29	3	-6	IAH	AUS	140
##	78575	N17640	161	131	-16	-8	IAH	CLE	1091
##	78578	N17620	145	123	-17	-3	IAH	RDU	1043
##	78584	N76526	142	125	17	46	IAH	DCA	1208
##	78590	N33209	151	126	-3	1	IAH	DEN	862
##	78593	N71411	232	193	8	-3	IAH	BOS	1597
##	78599	N36247	142	122	-14	-4	IAH	DEN	862
##	78604	N14228	259	239	28	48	IAH	PDX	1825
##	78605	N57855	189	156	-11	9	IAH	EWR	1400
##	78608	N34282	169	146	12	24	IAH	PHX	1009
##	78609	N37274	79	48	11	0	IAH	MSY	305
##	78611	N87513	156	136	-18	0	IAH	BWI	1235
##	78615	N73276	210	177	-1	-3	IAH	LGA	1416
##	78624	N39726	149	135	-13	-5	IAH	GUC	886
##	78632	N38443	264	227	-1	1	IAH	SFO	1635
##	78637	N14704	67	41	0	-5	IAH	SAT	191
##	78644	N78501	203	176	-8	0	IAH	LAS	1222
##	78646	N36247	125	97	-25	-8	IAH	IND	845
##	78648	N33209	163	129	-5	4	IAH	IAD	1190
##	78650	N37255	157	132	-16	-1	IAH	IAD	1190
##	78652	N21723	202	173	1	4	IAH	EWR	1400
##	78654	N37298	159	136	-13	0	IAH	IAD	1190
##	78657	N77510	247	224	17	28	IAH	SJC	1609
##	78658	N73275	69	47	-3	-3	IAH	MSY	305
##	78659	N77295	164	142	-13	-1	IAH	BWI	1235
##	78665	N19623	94	74	0	-7	IAH	TUL	429
##	78666	N78509	146	119	-11	2	IAH	ORD	925
##	78668	N27213	146	125	-5	3	IAH	ORD	925
##	78673	N33292	152	134	-26	-8	IAH	DCA	1208
##	78677	N75428	275	256	-5	0	IAH	SEA	1874
##	78683	N33266	60	39	-7	-1	IAH	SAT	191
##	78684	N76529	213	181	-12	-1	IAH	BOS	1597
##	78688	N57855	204	181	-7	-3	IAH	LAS	1222
##	78690	N16632	131	104	-19	-5	IAH	IND	845
##	78696	N37434	210	182	4	-1	IAH	EWR	1400
##	78697	N37255	68	52	-12	-3	IAH	MFE	316
##	78703	N39416	168	145	-16	-3	IAH	PHX	1009
##	78709	N36272	197	167	-10	-2	IAH	LGA	1416
##	78710	N47414	159	124	-8	-4	IAH	PIT	1117
##	78715	N35407	190	164	-6	1	IAH	SLC	1195
##	78716	N14613	168	131	-11	-9	IAH	CLE	1091
##	78717	N37287	152	129	-4	1	IAH	ORD	925
##	78726	N12221	152	133	-21	-2	IAH	DCA	1208
##	78733	N73406	253	226	-15	0	IAH	SFO	1635
##	78738	N73283	198	172	-15	5	IAH	BOS	1597
##	78740	N58101	131	106	-4	-1	IAH	MCO	853
##	78746	N39297	211	180	2	1	IAH	LAS	1222
##	78748	N77865	153	120	12	15	IAH	DEN	862
##	78750	N73299	152	118	-3	1	IAH	DEN	862
##	78752	N24202	147	118	19	-4	IAH	TPA	787

##	78755	N27213	162	143	43	52	IAH	MSP	1034
##	78759	N33266	72	48	5	0	IAH	MSY	305
##	78762	N19621	167	143	-20	-7	IAH	BWI	1235
##	78764	N12225	202	172	-9	-3	IAH	LGA	1416
##	78768	N76265	144	126	-17	1	IAH	CLE	1091
##	78772	N37263	157	139	-20	-8	IAH	DCA	1208
##	78774	N24729	170	145	-16	-9	IAH	EGE	935
##	78776	N57862	275	254	0	3	IAH	SEA	1874
##	78782	N13750	197	172	52	82	IAH	BOS	1597
##	78788	N38417	202	177	-8	0	IAH	LAS	1222
##	78792	N16709	121	100	-6	-2	IAH	TPA	787
##	78793	N76505	260	240	32	50	IAH	PDX	1825
##	78802	N39726	176	160	-16	3	IAH	LGA	1416
##	78806	N37419	198	181	-15	4	IAH	SAN	1303
##	78807	N39297	152	121	-19	-8	IAH	CLE	1091
##	78808	N76514	177	123	16	-1	IAH	ORD	925
##	78809	N17233	187	169	-21	-8	IAH	SLC	1195
##	78811	N16649	129	87	1	-5	IAH	ATL	689
##	78812	N76517	201	180	-32	-3	IAH	SNA	1347
##	78815	N76523	76	47	8	0	IAH	MSY	305
##	78816	N33203	266	251	2	20	IAH	SEA	1874
##	78819	N38257	246	228	-12	3	IAH	SFO	1635
##	78820	N34222	254	226	-19	-3	IAH	SFO	1635
##	78821	N18220	178	152	-16	-3	IAH	PHL	1324
##	78826	N77871	157	124	26	2	IAH	MCO	853
##	78829	N36280	222	189	-3	3	IAH	LAX	1379
##	78831	N57862	132	114	-32	-2	IAH	DEN	862
##	78837	N78005	202	157	4	7	IAH	EWR	1400
##	78842	N75410	165	146	-11	1	IAH	PHX	1009
##	78848	N36207	188	160	-18	4	IAH	EWR	1400
##	78856	N35407	140	119	-12	0	IAH	ORD	925
##	78857	N38417	132	116	-12	-1	IAH	FLL	965
##	78861	N16703	150	129	-30	-5	IAH	DCA	1208
##	78864	N79402	256	228	-6	-2	IAH	SFO	1635
##	78867	N76515	62	38	2	2	IAH	SAT	191
##	78869	N75861	149	112	14	4	IAH	MCO	853
##	78871	N26208	169	135	1	0	IAH	DTW	1076
##	78873	N76515	215	189	-1	9	IAH	LAX	1379
##	78874	N36280	205	172	-6	-4	IAH	LAS	1222
##	78876	N75854	157	130	19	14	IAH	DEN	862
##	78884	N37267	51	32	-5	1	IAH	AUS	140
##	78886	N37267	238	222	-25	-4	IAH	SJC	1609
##	78887	N14639	156	133	-27	-8	IAH	PIT	1117
##	78891	N14629	76	48	7	-3	IAH	MSY	305
##	78893	N16649	139	111	-5	2	IAH	CLT	913
##	78902	N76516	196	181	-29	-2	IAH	SNA	1347
##	78908	N26208	59	35	-2	-1	IAH	SAT	191
##	78910	N16648	151	128	92	112	IAH	DTW	1076
##	78912	N75854	221	193	-8	-3	IAH	LAX	1379
##	78917	N38403	126	100	1	1	IAH	TPA	787
##	78918	N14704	214	190	-16	2	IAH	SNA	1347
##	78922	N32404	57	28	3	1	IAH	AUS	140
##	78924	N16617	63	29	6	-3	IAH	AUS	140
##	78925	N58606	147	126	-24	-5	IAH	CLE	1091

##	78927	N34222	170	135	25	12	IAH	ORD	925
##	78929	N37409	159	128	17	2	IAH	FLL	965
##	78933	N76517	224	194	-8	-1	IAH	LAX	1379
##	78936	N77525	162	140	-10	-2	IAH	DCA	1208
##	78938	N76516	144	117	9	-5	IAH	RSW	861
##	78940	N62631	129	101	-1	-4	IAH	MCI	643
##	78947	N37427	54	29	23	25	IAH	AUS	140
##	78949	N57439	128	107	26	35	IAH	MCO	853
##	78951	N16234	207	183	-6	2	IAH	SAN	1303
##	78952	N33203	138	116	-7	-2	IAH	MIA	964
##	78958	N14250	54	31	-5	-3	IAH	AUS	140
##	78964	N27213	78	58	-3	-1	IAH	MFE	316
##	78965	N62631	62	41	-8	-2	IAH	MSY	305
##	78967	N15712	213	186	60	74	IAH	SNA	1347
##	78968	N15710	181	156	-12	4	IAH	LGA	1416
##	78971	N33286	234	218	-18	3	IAH	SMF	1609
##	78973	N76254	136	118	-24	-7	IAH	ORD	925
##	78974	N14231	143	117	-7	-4	IAH	FLL	965
##	78978	N37287	123	104	-9	-1	IAH	RSW	861
##	78982	N16642	140	102	2	-5	IAH	ELP	667
##	78983	N12238	186	156	-5	1	IAH	PHL	1324
##	78986	N39297	65	41	-1	-1	IAH	SAT	191
##	78991	N19621	164	129	-16	-7	IAH	DTW	1076
##	78992	N37273	203	178	-10	7	IAH	SAN	1303
##	78996	N76504	224	194	-7	0	IAH	LAX	1379
##	79001	N16647	74	53	-10	-5	IAH	MFE	316
##	79005	N16617	100	62	8	-4	IAH	OKC	395
##	79007	N13248	239	220	-27	-5	IAH	SMF	1609
##	79008	N14613	149	120	-7	-6	IAH	ABQ	744
##	79009	N35260	200	183	-15	-2	IAH	SAN	1303
##	79012	N76265	208	186	-9	1	IAH	ONT	1334
##	79016	N75861	149	119	-8	-2	IAH	ORD	925
##	79017	N75436	143	122	26	29	IAH	FLL	965
##	79018	N62631	137	99	9	1	IAH	ATL	689
##	79022	N75432	278	261	-3	3	IAH	SEA	1874
##	79024	N37281	185	154	-6	2	IAH	PHL	1324
##	79026	N37274	60	36	2	3	IAH	SAT	191
##	79027	N17614	75	42	1	-2	IAH	DFW	224
##	79029	N73256	144	115	24	20	IAH	MIA	964
##	79032	N77867	207	185	18	38	IAH	LAX	1379
##	79041	N14731	210	187	-7	13	IAH	SNA	1347
##	79044	N78438	190	165	46	-2	IAH	PBI	956
##	79046	N35260	189	164	-22	-6	IAH	LGA	1416
##	79047	N17233	185	159	-11	0	IAH	PHL	1324
##	79048	N78506	157	126	-12	-3	IAH	CLE	1091
##	79051	N19638	167	124	7	-3	IAH	RDU	1043
##	79054	N87527	131	110	-7	-3	IAH	OMA	781
##	79058	N14231	141	112	0	-3	IAH	MCO	853
##	79060	N19623	166	146	-25	-9	IAH	HDN	986
##	79063	N16703	249	227	-11	1	IAH	SMF	1609
##	79068	N76064	501	464	135	139	IAH	HNL	3904
##	79073	N76505	80	47	12	1	IAH	MSY	305
##	79074	N27213	59	35	-1	0	IAH	SAT	191
##	79083	N14629	71	47	16	14	IAH	MSY	305

##	79085	N36207	52	30	0	1	IAH	AUS	140
##	79093	N33209	222	187	6	15	IAH	LAX	1379
##	79096	N19141	215	188	-12	-1	IAH	LAX	1379
##	79101	N75851	153	114	5	9	IAH	DEN	862
##	79102	N76156	190	154	-17	1	IAH	EWR	1400
##	79104	N19117	190	166	18	40	IAH	EWR	1400
##	79109	N12216	180	159	-21	-1	IAH	EWR	1400
##	79113	N76054	196	164	-12	2	IAH	EWR	1400
##	79119	N39416	59	41	-14	-5	IAH	MSY	305
##	79123	N14228	217	186	13	23	IAH	LAX	1379
##	79124	N75861	182	124	22	-2	IAH	ORD	925
##	79127	N26208	215	177	32	37	IAH	ONT	1334
##	79130	N24702	161	134	-8	1	IAH	DCA	1208
##	79135	N37408	261	228	-4	4	IAH	SFO	1635
##	79142	N35271	145	112	2	0	IAH	MIA	964
##	79147	N57864	204	174	0	2	IAH	LAS	1222
##	79149	N26226	155	121	-8	-1	IAH	DEN	862
##	79154	N53441	122	98	7	9	IAH	TPA	787
##	79157	N13718	271	250	-6	-1	IAH	PDX	1825
##	79158	N30401	192	161	-24	-2	IAH	EWR	1400
##	79160	N39416	239	210	-3	8	IAH	SJU	2007
##	79166	N57111	184	150	9	6	IAH	PHX	1009
##	79172	N17620	160	138	-24	-5	IAH	BWI	1235
##	79176	N73275	190	161	-22	-1	IAH	LGA	1416
##	79183	N24633	66	28	30	17	IAH	AUS	140
##	79185	N14613	161	129	-11	-3	IAH	CLE	1091
##	79188	N19623	174	118	56	41	IAH	RDU	1043
##	79195	N76515	174	134	4	1	IAH	DCA	1208
##	79199	N14242	277	259	-2	5	IAH	SEA	1874
##	79202	N38417	243	219	-1	21	IAH	SFO	1635
##	79203	N33203	165	119	18	8	IAH	DEN	862
##	79206	N33264	72	44	8	2	IAH	SAT	191
##	79207	N16701	228	178	7	0	IAH	BOS	1597
##	79214	N77430	208	171	-4	1	IAH	LAS	1222
##	79216	N73251	137	115	0	15	IAH	DEN	862
##	79221	N17244	270	251	-6	3	IAH	PDX	1825
##	79222	N56859	188	152	-14	7	IAH	EWR	1400
##	79226	N37413	171	144	11	21	IAH	PHX	1009
##	79228	N37274	81	47	10	-3	IAH	MSY	305
##	79230	N78509	155	139	-13	6	IAH	BWI	1235
##	79234	N77261	200	156	-11	-3	IAH	LGA	1416
##	79246	N37290	171	130	8	7	IAH	DCA	1208
##	79254	N37422	254	229	2	14	IAH	SFO	1635
##	79260	N73256	64	43	-1	-3	IAH	SAT	191
##	79262	N37277	217	178	-1	3	IAH	BOS	1597
##	79268	N77258	201	167	-8	-1	IAH	LAS	1222
##	79270	N18220	119	99	43	66	IAH	IND	845
##	79272	N73270	206	179	-9	-1	IAH	SAN	1303
##	79273	N37255	170	137	-7	-5	IAH	IAD	1190
##	79275	N33284	162	132	-11	-1	IAH	IAD	1190
##	79277	N67058	214	165	9	0	IAH	EWR	1400
##	79279	N73256	157	130	-16	-1	IAH	IAD	1190
##	79282	N87513	257	227	7	8	IAH	SJC	1609
##	79284	N37267	86	46	16	-1	IAH	MSY	305

##	79285	N36207	187	133	41	30	IAH	BWI	1235
##	79288	N25705	201	161	5	5	IAH	LGA	1416
##	79292	N58606	82	58	-6	-1	IAH	TUL	429
##	79293	N37287	149	112	0	10	IAH	ORD	925
##	79295	N14228	155	121	29	28	IAH	ORD	925
##	79300	N13248	159	138	-9	2	IAH	DCA	1208
##	79304	N75429	263	246	-11	6	IAH	SEA	1874
##	79310	N14214	62	35	5	9	IAH	SAT	191
##	79313	N76522	211	180	-9	4	IAH	BOS	1597
##	79318	N75858	200	169	-9	-1	IAH	LAS	1222
##	79320	N33262	144	117	-12	-1	IAH	DEN	862
##	79321	N14629	165	103	32	12	IAH	IND	845
##	79327	N75426	201	175	-4	0	IAH	EWR	1400
##	79328	N24202	73	58	-2	2	IAH	MFE	316
##	79334	N37420	165	146	-8	8	IAH	PHX	1009
##	79341	N36272	223	176	16	-2	IAH	LGA	1416
##	79342	N38403	156	124	-3	4	IAH	PIT	1117
##	79347	N71411	195	161	4	6	IAH	SLC	1195
##	79348	N16642	147	127	-21	-4	IAH	CLE	1091
##	79349	N76514	150	121	0	7	IAH	ORD	925
##	79359	N39728	174	130	3	0	IAH	DCA	1208
##	79361	N33209	232	190	23	21	IAH	SNA	1347
##	79367	N71411	266	228	58	52	IAH	SFO	1635
##	79372	N73259	204	176	-13	1	IAH	BOS	1597
##	79374	N19117	126	101	29	37	IAH	MCO	853
##	79380	N76265	185	159	1	26	IAH	LAS	1222
##	79382	N75854	146	115	-7	3	IAH	DEN	862
##	79384	N77295	167	120	14	3	IAH	DEN	862
##	79386	N14250	130	97	22	16	IAH	TPA	787
##	79389	N36247	164	131	13	20	IAH	MSP	1034
##	79393	N37287	72	45	5	0	IAH	MSY	305
##	79396	N14629	167	142	-17	-4	IAH	BWI	1235
##	79399	N37255	210	171	7	5	IAH	LGA	1416
##	79403	N33262	146	120	-11	5	IAH	CLE	1091
##	79408	N37263	182	130	51	38	IAH	DCA	1208
##	79411	N24729	164	137	-17	-4	IAH	EGE	935
##	79412	N77871	284	245	48	42	IAH	SEA	1874
##	79419	N14604	236	184	5	-4	IAH	BOS	1597
##	79422	N57868	144	107	16	5	IAH	MCO	853
##	79428	N79402	192	169	26	44	IAH	LAS	1222
##	79432	N23707	141	95	12	-4	IAH	TPA	787
##	79433	N37409	286	248	74	66	IAH	PDX	1825
##	79436	N14250	59	42	-5	2	IAH	MSY	305
##	79443	N24729	195	162	37	37	IAH	LGA	1416
##	79447	N75428	196	178	-9	7	IAH	SAN	1303
##	79448	N37420	214	174	9	12	IAH	SAN	1303
##	79449	N36207	60	29	12	8	IAH	AUS	140
##	79450	N27205	174	128	10	-1	IAH	CLE	1091
##	79451	N77510	153	123	-10	-3	IAH	ORD	925
##	79452	N76504	178	158	-19	3	IAH	SLC	1195
##	79454	N19638	124	82	-4	-5	IAH	ATL	689
##	79457	N77296	68	43	2	2	IAH	MSY	305
##	79458	N78438	269	251	-5	10	IAH	SEA	1874
##	79461	N33284	239	223	-4	18	IAH	SFO	1635

##	79462	N78506	263	225	-10	-3	IAH	SFO	1635
##	79463	N11206	199	156	11	3	IAH	PHL	1324
##	79468	N57869	139	106	4	-2	IAH	MCO	853
##	79470	N17614	161	136	-9	-3	IAH	DTW	1076
##	79472	N12218	226	186	20	22	IAH	LAX	1379
##	79475	N78866	141	119	-19	2	IAH	DEN	862
##	79480	N77014	226	161	24	3	IAH	EWR	1400
##	79485	N77295	164	142	-2	11	IAH	PHX	1009
##	79491	N17245	130	91	3	-3	IAH	TPA	787
##	79492	N17245	197	157	4	17	IAH	EWR	1400
##	79501	N35407	125	110	-22	5	IAH	ORD	925
##	79502	N37287	135	112	-13	-5	IAH	FLL	965
##	79506	N39726	160	134	28	43	IAH	DCA	1208
##	79509	N73406	269	225	36	27	IAH	SFO	1635
##	79512	N14214	58	37	-1	3	IAH	SAT	191
##	79514	N57855	141	102	22	20	IAH	MCO	853
##	79516	N76502	176	135	4	-4	IAH	DTW	1076
##	79518	N76502	217	189	2	10	IAH	LAX	1379
##	79519	N76529	226	178	19	0	IAH	LAS	1222
##	79521	N57857	155	121	6	3	IAH	DEN	862
##	79530	N73275	80	28	57	34	IAH	AUS	140
##	79532	N37263	262	232	3	0	IAH	SJC	1609
##	79533	N14639	165	126	-13	-3	IAH	PIT	1117
##	79537	N16617	68	45	6	4	IAH	MSY	305
##	79539	N19638	126	107	-22	-2	IAH	CLT	913
##	79545	N37281	154	112	5	-2	IAH	FLL	965
##	79549	N76516	206	185	-7	10	IAH	SNA	1347
##	79551	N16647	132	102	-2	9	IAH	RSW	861
##	79558	N73299	171	148	-19	2	IAH	PHL	1324
##	79560	N73276	56	34	-2	2	IAH	SAT	191
##	79562	N76517	179	126	24	16	IAH	DTW	1076
##	79565	N56859	230	182	6	2	IAH	LAX	1379
##	79567	N36444	226	171	20	6	IAH	LAS	1222
##	79568	N18243	193	130	32	9	IAH	DCA	1208
##	79572	N37408	114	93	0	12	IAH	TPA	787
##	79574	N16701	216	190	-14	2	IAH	SNA	1347
##	79579	N38403	53	27	5	7	IAH	AUS	140
##	79581	N32626	62	28	7	-1	IAH	AUS	140
##	79582	N17640	153	131	-16	-3	IAH	CLE	1091
##	79584	N36280	155	119	23	25	IAH	ORD	925
##	79586	N35407	136	109	-9	-1	IAH	FLL	965
##	79593	N76516	140	106	18	8	IAH	RSW	861
##	79595	N16632	125	86	21	22	IAH	MCI	643
##	79602	N53441	74	28	48	30	IAH	AUS	140
##	79604	N75436	127	108	-7	3	IAH	MCO	853
##	79606	N26215	198	176	13	30	IAH	SAN	1303
##	79607	N24202	147	108	8	4	IAH	MIA	964
##	79614	N24224	58	29	6	4	IAH	AUS	140
##	79615	N37427	219	184	-2	4	IAH	LAX	1379
##	79622	N75425	185	149	3	2	IAH	PHX	1009
##	79623	N15712	80	61	6	6	IAH	MFE	316
##	79624	N17719	57	40	-11	0	IAH	MSY	305
##	79626	N13718	205	183	-19	3	IAH	SNA	1347
##	79627	N14731	185	168	-12	0	IAH	LGA	1416

##	79630	N24633	107	58	54	25	IAH	MFE	316
##	79631	N18220	234	219	-9	12	IAH	SMF	1609
##	79633	N37409	170	133	49	32	IAH	ORD	925
##	79634	N11206	138	112	12	20	IAH	FLL	965
##	79638	N17244	135	98	25	21	IAH	RSW	861
##	79641	N16649	140	102	27	20	IAH	ELP	667
##	79642	N33289	186	149	9	15	IAH	PHL	1324
##	79645	N39728	83	43	14	-4	IAH	SAT	191
##	79650	N46625	189	129	16	0	IAH	DTW	1076
##	79651	N76503	226	194	13	7	IAH	SAN	1303
##	79652	N29717	145	112	-4	-1	IAH	MIA	964
##	79656	N35204	218	188	-10	3	IAH	LAX	1379
##	79661	N34222	77	54	58	60	IAH	MFE	316
##	79666	N17620	80	56	0	8	IAH	OKC	395
##	79668	N35271	248	221	-12	1	IAH	SMF	1609
##	79669	N16647	131	113	-20	-1	IAH	ABQ	744
##	79670	N37277	193	175	-5	15	IAH	SAN	1303
##	79672	N36247	201	185	-17	0	IAH	ONT	1334
##	79677	N79402	170	117	24	9	IAH	ORD	925
##	79678	N75425	160	115	32	18	IAH	FLL	965
##	79680	N16632	122	83	-5	2	IAH	ATL	689
##	79685	N73251	299	265	13	-2	IAH	SEA	1874
##	79688	N78501	194	158	9	8	IAH	PHL	1324
##	79691	N37273	64	40	14	11	IAH	SAT	191
##	79692	N14613	176	139	15	15	IAH	TUS	936
##	79695	N38727	77	41	7	2	IAH	DFW	224
##	79697	N76504	148	112	6	-2	IAH	MIA	964
##	79700	N57868	217	182	13	23	IAH	LAX	1379
##	79709	N54711	217	191	-15	-2	IAH	SNA	1347
##	79710	N19621	71	43	-1	-3	IAH	MSY	305
##	79713	N45440	145	111	4	1	IAH	PBI	956
##	79715	N76265	187	161	-21	-3	IAH	LGA	1416
##	79716	N14230	183	161	1	14	IAH	PHL	1324
##	79717	N27724	150	129	-7	9	IAH	CLE	1091
##	79721	N62631	164	118	32	25	IAH	RDU	1043
##	79724	N78506	135	105	4	4	IAH	OMA	781
##	79728	N27213	129	104	-2	7	IAH	MCO	853
##	79730	N58606	164	139	-20	-2	IAH	HDN	986
##	79733	N29717	243	214	5	23	IAH	SMF	1609
##	79738	N76065	489	466	-15	1	IAH	HNL	3904
##	79743	N12221	60	38	51	60	IAH	MSY	305
##	79744	N58606	66	43	1	-5	IAH	SAT	191
##	79754	N14653	58	42	-14	-3	IAH	MSY	305
##	79756	N14613	49	33	-9	-5	IAH	AUS	140
##	79762	N77518	229	190	3	5	IAH	LAX	1379
##	79765	N13113	234	188	6	-2	IAH	LAX	1379
##	79770	N57869	143	124	-6	8	IAH	DEN	862
##	79771	N76153	183	159	-24	1	IAH	EWR	1400
##	79773	N34131	197	155	4	19	IAH	EWR	1400
##	79777	N73278	194	165	3	1	IAH	EWR	1400
##	79781	N66051	188	164	-13	1	IAH	EWR	1400
##	79786	N13718	75	41	7	0	IAH	MSY	305
##	79790	N79279	213	189	2	16	IAH	LAX	1379
##	79792	N57864	137	111	-22	-1	IAH	ORD	925

##	79795	N13248	194	178	-27	-1	IAH	ONT	1334
##	79798	N16701	154	138	-9	7	IAH	DCA	1208
##	79803	N75410	237	215	-27	0	IAH	SFO	1635
##	79810	N33264	138	108	1	6	IAH	MIA	964
##	79815	N57863	193	169	-5	3	IAH	LAS	1222
##	79817	N14237	140	118	-25	-8	IAH	DEN	862
##	79820	N38424	120	95	-8	-4	IAH	TPA	787
##	79822	N21723	286	266	29	19	IAH	PDX	1825
##	79823	N72405	191	157	-22	1	IAH	EWR	1400
##	79825	N53441	237	213	13	21	IAH	SJU	2007
##	79830	N48127	170	145	-8	-2	IAH	PHX	1009
##	79835	N19638	167	139	-10	-3	IAH	BWI	1235
##	79839	N76517	184	161	-25	-3	IAH	LGA	1416
##	79845	N46625	68	30	11	-4	IAH	AUS	140
##	79847	N27610	156	126	-15	-2	IAH	CLE	1091
##	79850	N76503	142	115	-10	3	IAH	RDU	1043
##	79859	N73291	276	259	3	11	IAH	SEA	1874
##	79862	N36444	264	229	5	1	IAH	SFO	1635
##	79863	N37287	152	121	-2	1	IAH	DEN	862
##	79864	N76529	62	41	0	-1	IAH	SAT	191
##	79869	N75435	196	174	2	14	IAH	LAS	1222
##	79870	N76505	142	122	4	14	IAH	DEN	862
##	79874	N12221	273	255	-3	-2	IAH	PDX	1825
##	79875	N57870	177	154	-29	3	IAH	EWR	1400
##	79880	N53442	168	146	-14	-1	IAH	PHX	1009
##	79882	N33266	68	43	-6	-6	IAH	MSY	305
##	79884	N76522	156	136	-13	5	IAH	BWI	1235
##	79895	N15712	161	132	-2	-6	IAH	GUC	886
##	79898	N77261	156	137	-14	-5	IAH	DCA	1208
##	79905	N12216	254	231	-5	7	IAH	SFO	1635
##	79910	N19621	75	40	7	-6	IAH	SAT	191
##	79912	N73275	197	172	-17	2	IAH	BOS	1597
##	79918	N76504	205	178	0	3	IAH	LAS	1222
##	79920	N17619	130	99	-16	-1	IAH	IND	845
##	79922	N34282	204	181	-1	4	IAH	SAN	1303
##	79923	N37287	155	136	-16	1	IAH	IAD	1190
##	79925	N33209	161	142	-9	2	IAH	IAD	1190
##	79927	N69059	184	164	2	15	IAH	EWR	1400
##	79929	N76514	162	136	-11	-1	IAH	IAD	1190
##	79931	N78509	251	230	2	9	IAH	SJC	1609
##	79933	N11641	79	42	8	-2	IAH	MSY	305
##	79934	N14250	162	137	-3	11	IAH	BWI	1235
##	79937	N24702	178	158	-22	-4	IAH	LGA	1416
##	79941	N16732	90	64	12	9	IAH	TUL	429
##	79942	N39416	148	117	-9	2	IAH	ORD	925
##	79948	N76505	155	132	-5	10	IAH	DCA	1208
##	79952	N36444	271	255	2	11	IAH	SEA	1874
##	79958	N77261	54	33	-14	-2	IAH	SAT	191
##	79961	N87512	211	182	-14	-1	IAH	BOS	1597
##	79966	N77871	190	163	-11	2	IAH	LAS	1222
##	79968	N24202	142	120	-6	2	IAH	DEN	862
##	79969	N14653	134	101	-15	-4	IAH	IND	845
##	79973	N37422	185	164	-11	1	IAH	EWR	1400
##	79974	N23707	76	54	13	14	IAH	MFE	316

##	79977	N47414	177	149	-1	3	IAH	PHX	1009
##	79983	N37274	194	163	-7	4	IAH	LGA	1416
##	79984	N37408	153	127	0	10	IAH	PIT	1117
##	79988	N17245	192	168	0	0	IAH	SLC	1195
##	79989	N37253	146	128	-20	-7	IAH	CLE	1091
##	79990	N14231	146	115	-6	0	IAH	ORD	925
##	79999	N14731	167	130	-7	-3	IAH	DCA	1208
##	80004	N79402	244	223	-7	9	IAH	SFO	1635
##	80009	N24212	199	174	-19	0	IAH	BOS	1597
##	80010	N34131	123	100	-3	3	IAH	MCO	853
##	80016	N11206	191	166	-1	18	IAH	LAS	1222
##	80018	N57868	147	122	-12	-3	IAH	DEN	862
##	80020	N78506	146	122	-11	-1	IAH	DEN	862
##	80022	N76519	118	91	-10	-4	IAH	TPA	787
##	80025	N37281	162	133	8	17	IAH	MSP	1034
##	80029	N37263	65	43	-1	1	IAH	MSY	305
##	80033	N77258	199	166	-9	0	IAH	LGA	1416
##	80036	N76508	134	118	-29	-1	IAH	CLE	1091
##	80040	N33262	164	134	12	17	IAH	DCA	1208
##	80043	N17133	165	142	-9	-2	IAH	EGE	935
##	80044	N57855	273	255	3	8	IAH	SEA	1874
##	80047	N33203	249	226	5	24	IAH	SFO	1635
##	80052	N77295	211	175	-11	5	IAH	BOS	1597
##	80055	N77865	128	100	-4	-4	IAH	MCO	853
##	80060	N71411	195	173	-14	1	IAH	LAS	1222
##	80064	N35407	285	262	14	7	IAH	PDX	1825
##	80067	N77510	58	41	-3	0	IAH	MSY	305
##	80074	N37277	181	162	-10	4	IAH	LGA	1416
##	80077	N26226	207	181	12	17	IAH	SAN	1303
##	80078	N37427	202	181	2	12	IAH	SAN	1303
##	80079	N76519	50	28	-5	-4	IAH	AUS	140
##	80080	N23707	148	123	-16	-1	IAH	CLE	1091
##	80081	N37293	136	110	-16	8	IAH	ORD	925
##	80082	N12238	196	174	-7	-3	IAH	SLC	1195
##	80084	N16649	120	84	-10	-7	IAH	ATL	689
##	80085	N77520	208	193	5	22	IAH	SNA	1347
##	80089	N11206	56	41	-1	11	IAH	MSY	305
##	80090	N45440	291	269	16	9	IAH	SEA	1874
##	80093	N73256	246	228	-2	13	IAH	SFO	1635
##	80094	N35407	251	226	-20	-3	IAH	SFO	1635
##	80099	N75861	131	104	-3	-1	IAH	MCO	853
##	80101	N29717	151	128	-10	-3	IAH	DTW	1076
##	80104	N14228	216	191	-10	2	IAH	LAX	1379
##	80107	N56859	148	123	-10	-1	IAH	DEN	862
##	80109	N78004	190	162	-15	0	IAH	EWR	1400
##	80112	N37409	165	141	-5	7	IAH	PHX	1009
##	80119	N12225	121	94	0	-2	IAH	TPA	787
##	80120	N16648	182	153	-20	14	IAH	EWR	1400
##	80128	N75861	137	116	-13	2	IAH	ORD	925
##	80129	N37293	140	116	3	1	IAH	FLL	965
##	80133	N16709	146	134	-30	-6	IAH	DCA	1208
##	80136	N73406	264	227	5	1	IAH	SFO	1635
##	80139	N14250	64	42	10	8	IAH	SAT	191
##	80141	N56859	133	104	-9	-3	IAH	MCO	853

##	80143	N14214	155	131	-17	-4	IAH	DTW	1076
##	80145	N78285	210	188	-15	0	IAH	LAX	1379
##	80146	N14228	219	184	18	1	IAH	LAS	1222
##	80148	N76517	155	129	10	7	IAH	DEN	862
##	80157	N73270	51	31	-2	4	IAH	AUS	140
##	80160	N33264	255	233	-1	-2	IAH	SJC	1609
##	80161	N15712	149	125	-15	11	IAH	PIT	1117
##	80165	N37408	62	43	-5	-1	IAH	MSY	305
##	80172	N16703	133	110	38	47	IAH	FLL	965
##	80176	N76522	203	182	-21	-1	IAH	SNA	1347
##	80184	N19623	173	150	-21	-1	IAH	PHL	1324
##	80186	N73299	58	38	22	24	IAH	SAT	191
##	80188	N25705	157	129	-15	-1	IAH	DTW	1076
##	80191	N39416	221	189	-4	-4	IAH	LAX	1379
##	80193	N73278	216	178	6	2	IAH	LAS	1222
##	80197	N75410	114	90	-8	4	IAH	TPA	787
##	80199	N54711	222	194	-3	7	IAH	SNA	1347
##	80205	N16648	54	29	-2	-2	IAH	AUS	140
##	80206	N17627	147	126	-12	0	IAH	CLE	1091
##	80208	N12225	130	113	-29	-2	IAH	ORD	925
##	80210	N30401	134	108	-8	2	IAH	FLL	965
##	80213	N77520	49	30	-7	0	IAH	AUS	140
##	80216	N79521	116	98	-6	8	IAH	RSW	861
##	80218	N17620	127	96	-3	-4	IAH	MCI	643
##	80225	N75426	50	30	-6	-5	IAH	AUS	140
##	80227	N75425	128	98	16	25	IAH	MCO	853
##	80229	N75432	195	178	-17	3	IAH	SAN	1303
##	80230	N79279	140	119	-5	-2	IAH	MIA	964
##	80237	N33292	170	139	0	0	IAH	DCA	1208
##	80238	N75426	216	193	0	9	IAH	LAX	1379
##	80245	N39415	175	149	-3	1	IAH	PHX	1009
##	80246	N11641	88	56	6	-2	IAH	MFE	316
##	80247	N37408	63	42	-3	-3	IAH	MSY	305
##	80249	N39728	201	188	-27	-1	IAH	SNA	1347
##	80250	N24729	188	165	-1	8	IAH	LGA	1416
##	80254	N24202	272	240	22	5	IAH	SMF	1609
##	80256	N79402	136	118	-8	4	IAH	ORD	925
##	80257	N73259	139	110	6	13	IAH	FLL	965
##	80261	N14231	119	97	-8	4	IAH	RSW	861
##	80264	N14242	120	98	-16	-3	IAH	ELP	667
##	80265	N38417	183	156	1	10	IAH	PHL	1324
##	80267	N16642	58	41	-8	-6	IAH	SAT	191
##	80272	N16647	168	131	-9	-4	IAH	DTW	1076
##	80273	N27421	194	174	-10	16	IAH	SAN	1303
##	80274	N54241	128	109	-4	11	IAH	MIA	964
##	80278	N26210	231	198	0	0	IAH	LAX	1379
##	80283	N17245	82	57	6	3	IAH	MFE	316
##	80287	N14613	107	62	34	15	IAH	OKC	395
##	80289	N19621	138	115	-12	0	IAH	ABQ	744
##	80291	N37419	201	178	-6	6	IAH	SAN	1303
##	80293	N37277	194	181	-28	-5	IAH	ONT	1334
##	80296	N30401	55	29	1	1	IAH	AUS	140
##	80298	N53442	148	118	-3	-1	IAH	ORD	925
##	80299	N75429	127	112	-22	-3	IAH	FLL	965

##	80301	N16649	128	94	-4	-3	IAH	ATL	689
##	80306	N13248	274	255	3	8	IAH	SEA	1874
##	80309	N26208	178	150	-7	8	IAH	PHL	1324
##	80312	N37267	57	36	20	24	IAH	SAT	191
##	80313	N16647	171	139	-1	-1	IAH	TUS	936
##	80316	N59630	94	42	18	-4	IAH	DFW	224
##	80318	N12238	140	107	2	2	IAH	MIA	964
##	80321	N77865	224	190	3	6	IAH	LAX	1379
##	80330	N23708	212	193	-21	-3	IAH	SNA	1347
##	80331	N16648	67	43	-3	-6	IAH	MSY	305
##	80334	N39415	131	106	-16	-5	IAH	PBI	956
##	80336	N35271	189	165	-11	0	IAH	LGA	1416
##	80337	N73299	174	155	-16	6	IAH	PHL	1324
##	80338	N37437	143	120	-21	2	IAH	CLE	1091
##	80342	N32626	150	119	13	20	IAH	RDU	1043
##	80345	N37427	129	108	-2	4	IAH	OMA	781
##	80350	N27610	144	108	2	-6	IAH	MCO	853
##	80352	N76503	164	141	-11	-1	IAH	HDN	986
##	80355	N16709	252	229	-8	1	IAH	SMF	1609
##	80360	N69063	478	465	-10	17	IAH	HNL	3904
##	80365	N17627	62	41	-3	-1	IAH	MSY	305
##	80374	N77261	62	43	-2	-2	IAH	MSY	305
##	80376	N37274	50	30	3	1	IAH	AUS	140
##	80384	N17139	209	186	-13	-1	IAH	LAX	1379
##	80389	N75432	160	129	26	18	IAH	DEN	862
##	80390	N68159	183	165	-10	7	IAH	EWR	1400
##	80392	N17126	188	162	9	25	IAH	EWR	1400
##	80397	N78866	194	159	4	2	IAH	EWR	1400
##	80400	N67052	216	181	17	3	IAH	EWR	1400
##	80406	N12221	218	196	33	42	IAH	LAX	1379
##	80408	N57862	155	132	5	3	IAH	ORD	925
##	80411	N26210	224	192	16	12	IAH	ONT	1334
##	80417	N32404	265	240	2	1	IAH	SFO	1635
##	80423	N37281	130	107	3	11	IAH	MIA	964
##	80429	N37427	209	186	49	42	IAH	LAS	1222
##	80431	N37298	157	134	-9	-9	IAH	DEN	862
##	80434	N14629	120	91	-7	-5	IAH	TPA	787
##	80436	N27733	271	255	-2	-2	IAH	PDX	1825
##	80437	N72405	189	163	-16	1	IAH	EWR	1400
##	80439	N53441	229	211	-17	-1	IAH	SJU	2007
##	80441	N19136	164	143	11	23	IAH	PHX	1009
##	80445	N14653	183	164	15	6	IAH	BWI	1235
##	80451	N87512	48	28	18	18	IAH	AUS	140
##	80452	N19621	165	136	2	-5	IAH	CLE	1091
##	80455	N73259	144	124	0	6	IAH	RDU	1043
##	80457	N79521	159	140	-10	-3	IAH	DCA	1208
##	80461	N33289	286	270	12	5	IAH	SEA	1874
##	80464	N18243	265	244	1	-4	IAH	SFO	1635
##	80465	N37298	156	128	7	2	IAH	DEN	862
##	80468	N16617	66	40	0	-5	IAH	SAT	191
##	80469	N73276	210	187	-7	-1	IAH	BOS	1597
##	80475	N24224	195	177	-14	-1	IAH	LAS	1222
##	80476	N77261	144	121	-3	0	IAH	DEN	862
##	80480	N37281	279	263	13	8	IAH	PDX	1825

##	80481	N74856	185	158	12	28	IAH	EWR	1400
##	80486	N77431	171	150	10	15	IAH	PHX	1009
##	80488	N33266	62	42	3	4	IAH	MSY	305
##	80490	N14613	168	146	-7	-2	IAH	BWI	1235
##	80494	N17244	180	160	-25	-2	IAH	LGA	1416
##	80499	N25705	NA	NA	NA	10	IAH	GUC	886
##	80502	N15710	154	138	-10	-2	IAH	DCA	1208
##	80509	N17233	253	234	-2	6	IAH	SFO	1635
##	80513	N17640	60	40	-3	-6	IAH	SAT	191
##	80514	N37267	217	188	2	1	IAH	BOS	1597
##	80519	N33203	209	182	15	12	IAH	LAS	1222
##	80522	N78506	161	142	-7	4	IAH	IAD	1190
##	80523	N68061	183	159	-15	-1	IAH	EWR	1400
##	80525	N33209	165	146	-8	-1	IAH	IAD	1190
##	80528	N87512	243	226	-8	2	IAH	SJC	1609
##	80530	N77510	68	43	-3	-7	IAH	MSY	305
##	80531	N76508	169	147	0	2	IAH	BWI	1235
##	80533	N27733	192	170	-7	1	IAH	LGA	1416
##	80537	N57863	141	118	7	20	IAH	ORD	925
##	80539	N77296	156	133	14	8	IAH	ORD	925
##	80543	N76517	167	143	-1	-3	IAH	DCA	1208
##	80546	N47414	278	261	8	5	IAH	SEA	1874
##	80552	N37277	67	39	9	3	IAH	SAT	191
##	80553	N76515	207	186	-11	1	IAH	BOS	1597
##	80557	N57852	198	173	-4	1	IAH	LAS	1222
##	80559	N76508	160	132	18	8	IAH	DEN	862
##	80560	N16642	140	110	-6	-6	IAH	IND	845
##	80564	N76505	189	162	-8	0	IAH	EWR	1400
##	80565	N27239	75	52	0	-3	IAH	MFE	316
##	80568	N79402	164	147	-9	3	IAH	PHX	1009
##	80575	N36272	189	163	-14	-3	IAH	LGA	1416
##	80576	N75435	162	139	6	2	IAH	PIT	1117
##	80579	N79402	198	179	8	2	IAH	SLC	1195
##	80580	N24729	167	144	4	0	IAH	CLE	1091
##	80581	N78524	164	144	19	7	IAH	ORD	925
##	80589	N15712	162	146	-7	-3	IAH	DCA	1208
##	80591	N29717	221	196	-6	-2	IAH	SNA	1347
##	80595	N73406	260	230	14	9	IAH	SFO	1635
##	80598	N26208	203	183	-10	0	IAH	BOS	1597
##	80599	N17126	119	96	-8	2	IAH	MCO	853
##	80604	N37293	200	181	-13	-8	IAH	LAS	1222
##	80606	N56859	151	133	2	2	IAH	DEN	862
##	80608	N77296	174	142	33	11	IAH	DEN	862
##	80610	N37434	111	91	-9	-1	IAH	TPA	787
##	80613	N12225	164	141	0	2	IAH	MSP	1034
##	80615	N19623	171	139	-4	0	IAH	BWI	1235
##	80618	N16703	184	164	-21	-2	IAH	LGA	1416
##	80623	N27724	149	129	10	16	IAH	CLE	1091
##	80627	N16732	151	134	-8	5	IAH	DCA	1208
##	80630	N17133	171	147	3	4	IAH	EGE	935
##	80631	N75861	295	267	42	20	IAH	SEA	1874
##	80636	N14250	211	188	-15	-4	IAH	BOS	1597
##	80638	N77430	127	95	-2	-1	IAH	MCO	853
##	80644	N33286	199	178	0	6	IAH	LAS	1222

##	80648	N27724	121	93	-2	-3	IAH	TPA	787
##	80649	N30401	260	242	16	29	IAH	PDX	1825
##	80654	N14250	72	45	11	0	IAH	MSY	305
##	80661	N73275	196	181	1	-5	IAH	LGA	1416
##	80665	N78285	200	185	-6	1	IAH	SAN	1303
##	80666	N36444	205	183	-5	2	IAH	SAN	1303
##	80667	N37274	50	30	-2	-1	IAH	AUS	140
##	80668	N33714	163	136	5	-2	IAH	CLE	1091
##	80669	N37419	153	131	-3	-1	IAH	ORD	925
##	80670	N21723	183	166	-15	-3	IAH	SLC	1195
##	80672	N14231	107	84	-15	-5	IAH	ATL	689
##	80675	N35204	58	44	-6	-1	IAH	MSY	305
##	80676	N75426	273	258	-8	-2	IAH	SEA	1874
##	80679	N78506	264	237	8	0	IAH	SFO	1635
##	80680	N54241	263	228	17	22	IAH	SFO	1635
##	80684	N57864	125	98	-5	-2	IAH	MCO	853
##	80686	N16642	176	148	74	60	IAH	DTW	1076
##	80687	N37273	203	186	-23	-3	IAH	LAX	1379
##	80689	N57868	147	120	9	19	IAH	DEN	862
##	80691	N37018	185	159	-13	-1	IAH	EWR	1400
##	80698	N24702	107	89	-16	-4	IAH	TPA	787
##	80699	N13750	189	161	-15	-2	IAH	EWR	1400
##	80708	N12216	134	115	-4	0	IAH	FLL	965
##	80714	N53442	248	231	-4	3	IAH	SFO	1635
##	80716	N14604	56	37	-4	-3	IAH	SAT	191
##	80718	N77871	123	96	86	97	IAH	MCO	853
##	80720	N16648	175	152	5	-3	IAH	DTW	1076
##	80722	N35204	228	195	17	10	IAH	LAX	1379
##	80723	N38727	208	185	4	-2	IAH	LAS	1222
##	80731	N73270	58	31	6	0	IAH	AUS	140
##	80733	N33264	253	229	-2	-1	IAH	SJC	1609
##	80734	N14604	167	138	0	3	IAH	PIT	1117
##	80738	N77258	62	42	-3	-4	IAH	MSY	305
##	80740	N16647	135	113	-9	-3	IAH	CLT	913
##	80745	N76502	146	118	7	3	IAH	FLL	965
##	80748	N16649	135	108	-7	-4	IAH	RSW	861
##	80754	N16732	183	161	3	7	IAH	PHL	1324
##	80756	N75435	56	37	0	-1	IAH	SAT	191
##	80760	N74856	224	196	1	-2	IAH	LAX	1379
##	80763	N32404	113	87	-8	0	IAH	TPA	787
##	80768	N17614	51	29	-1	-3	IAH	AUS	140
##	80769	N19638	157	139	-5	-3	IAH	CLE	1091
##	80771	N54241	134	120	-19	0	IAH	ORD	925
##	80773	N75410	141	115	4	2	IAH	FLL	965
##	80777	N14242	123	102	-10	-5	IAH	RSW	861
##	80779	N19638	120	97	-1	0	IAH	MCI	643
##	80786	N14242	64	29	7	-6	IAH	AUS	140
##	80788	N39415	127	101	-5	0	IAH	MCO	853
##	80790	N12216	194	177	-14	2	IAH	SAN	1303
##	80791	N12221	153	118	7	-3	IAH	MIA	964
##	80799	N24702	47	29	-9	-5	IAH	AUS	140
##	80800	N47414	220	194	18	18	IAH	LAX	1379
##	80807	N37437	166	146	-13	0	IAH	PHX	1009
##	80808	N27610	70	50	-10	-5	IAH	MFE	316

##	80809	N76515	59	45	-11	-7	IAH	MSY	305
##	80812	N39728	249	233	-3	-2	IAH	SMF	1609
##	80814	N75432	158	137	8	-2	IAH	ORD	925
##	80815	N76503	54	30	5	1	IAH	AUS	140
##	80816	N76529	139	112	-4	-2	IAH	FLL	965
##	80819	N78524	116	98	2	12	IAH	RSW	861
##	80821	N16649	133	100	-1	-6	IAH	ELP	667
##	80824	N16648	62	35	-3	-5	IAH	SAT	191
##	80827	N78501	206	184	-9	0	IAH	SAN	1303
##	80828	N26210	150	116	8	1	IAH	MIA	964
##	80831	N76265	212	188	30	44	IAH	LAX	1379
##	80835	N17245	73	54	-1	0	IAH	MFE	316
##	80839	N27610	84	63	3	2	IAH	OKC	395
##	80841	N33262	255	235	-4	-3	IAH	SMF	1609
##	80842	N19623	130	112	-17	-2	IAH	ABQ	744
##	80844	N14219	194	178	-21	-7	IAH	SAN	1303
##	80845	N33284	55	40	-4	-4	IAH	SAT	191
##	80846	N14219	167	144	-6	-4	IAH	MTJ	926
##	80849	N73275	206	190	-10	1	IAH	ONT	1334
##	80852	N77431	166	148	15	-1	IAH	ORD	925
##	80853	N77430	141	112	6	6	IAH	FLL	965
##	80857	N76504	309	274	29	-1	IAH	SEA	1874
##	80860	N24212	177	154	-13	-2	IAH	PHL	1324
##	80863	N23721	55	39	1	2	IAH	SAT	191
##	80864	N17620	177	138	2	-4	IAH	TUS	936
##	80866	N16617	71	49	3	-1	IAH	DFW	224
##	80867	N37293	131	109	-13	-4	IAH	MIA	964
##	80870	N57869	227	196	14	9	IAH	LAX	1379
##	80877	N23708	208	190	-23	-6	IAH	SNA	1347
##	80878	N17614	75	45	6	-5	IAH	MSY	305
##	80881	N37437	129	109	-10	-2	IAH	PBI	956
##	80883	N77295	184	167	4	11	IAH	PHL	1324
##	80886	N39728	143	120	-12	-7	IAH	RDU	1043
##	80889	N34282	138	109	3	-2	IAH	OMA	781
##	80894	N23721	127	98	-9	-3	IAH	MCO	853
##	80896	N26208	174	155	3	3	IAH	HDN	986
##	80899	N79279	249	225	-5	2	IAH	SMF	1609
##	80903	N76065	486	461	-16	3	IAH	HNL	3904
##	80908	N26208	55	40	-10	4	IAH	MSY	305
##	80909	N12221	65	39	2	-3	IAH	SAT	191
##	80919	N17640	58	40	-3	8	IAH	MSY	305
##	80921	N73299	55	32	1	-1	IAH	AUS	140
##	80929	N77520	222	188	-9	0	IAH	LAX	1379
##	80932	N29124	220	196	-4	-3	IAH	LAX	1379
##	80937	N37427	165	133	23	15	IAH	DEN	862
##	80938	N58101	224	199	77	61	IAH	EWR	1400
##	80940	N17139	172	152	5	45	IAH	EWR	1400
##	80946	N76254	185	161	-16	-1	IAH	EWR	1400
##	80949	N69059	209	166	5	6	IAH	EWR	1400
##	80958	N17244	210	191	-16	1	IAH	LAX	1379
##	80960	N75861	154	129	-5	-1	IAH	ORD	925
##	80963	N78285	222	191	2	0	IAH	ONT	1334
##	80966	N16713	159	140	-11	0	IAH	DCA	1208
##	80971	N30401	254	230	-10	5	IAH	SFO	1635

##	80978	N37274	146	108	3	0	IAH	MIA	964
##	80984	N75851	203	174	1	4	IAH	LAS	1222
##	80986	N39297	162	129	-1	-1	IAH	DEN	862
##	80991	N36444	127	97	5	2	IAH	TPA	787
##	80994	N24715	292	273	12	-4	IAH	PDX	1825
##	80995	N33203	210	154	0	4	IAH	EWR	1400
##	80997	N45440	242	218	-6	2	IAH	SJU	2007
##	81003	N13113	182	148	3	2	IAH	PHX	1009
##	81009	N14613	173	148	7	13	IAH	BWI	1235
##	81013	N37277	189	164	-22	0	IAH	LGA	1416
##	81020	N14639	61	28	4	-4	IAH	AUS	140
##	81022	N17620	168	133	-3	-2	IAH	CLE	1091
##	81025	N17619	146	120	-6	7	IAH	RDU	1043
##	81032	N87512	155	137	-10	6	IAH	DCA	1208
##	81036	N39415	292	268	9	1	IAH	SEA	1874
##	81039	N37434	256	241	-6	3	IAH	SFO	1635
##	81040	N33289	161	128	12	6	IAH	DEN	862
##	81043	N37273	62	38	-2	2	IAH	SAT	191
##	81044	N33266	232	205	10	-1	IAH	BOS	1597
##	81051	N78438	214	184	-1	-2	IAH	LAS	1222
##	81053	N37255	147	128	-1	4	IAH	DEN	862
##	81058	N76508	293	263	19	5	IAH	PDX	1825
##	81059	N77867	203	156	-4	2	IAH	EWR	1400
##	81064	N39418	172	151	0	9	IAH	PHX	1009
##	81066	N76503	65	44	-7	-4	IAH	MSY	305
##	81068	N76515	166	142	-4	4	IAH	BWI	1235
##	81072	N76269	188	169	-21	-1	IAH	LGA	1416
##	81084	N15710	154	138	-20	-4	IAH	DCA	1208
##	81092	N17233	244	226	-14	8	IAH	SFO	1635
##	81098	N11641	65	38	6	3	IAH	SAT	191
##	81100	N35271	212	189	-8	1	IAH	BOS	1597
##	81106	N26226	202	176	-1	8	IAH	LAS	1222
##	81108	N36247	134	108	-10	-2	IAH	IND	845
##	81110	N33264	208	188	-5	1	IAH	SAN	1303
##	81111	N14629	170	142	-8	-6	IAH	IAD	1190
##	81113	N54241	172	141	-1	-1	IAH	IAD	1190
##	81115	N67058	181	159	-27	-3	IAH	EWR	1400
##	81117	N14237	163	142	-12	-3	IAH	IAD	1190
##	81120	N37293	248	224	7	17	IAH	SJC	1609
##	81122	N37267	60	40	-8	1	IAH	MSY	305
##	81123	N77258	172	136	4	8	IAH	BWI	1235
##	81126	N14731	198	174	3	6	IAH	LGA	1416
##	81130	N24633	93	68	2	-4	IAH	TUL	429
##	81131	N57862	139	118	28	48	IAH	ORD	925
##	81133	N37252	147	125	-12	-5	IAH	ORD	925
##	81138	N77296	163	144	-9	-2	IAH	DCA	1208
##	81142	N37434	286	270	4	-2	IAH	SEA	1874
##	81148	N73276	62	38	-3	1	IAH	SAT	191
##	81151	N77525	222	198	3	5	IAH	BOS	1597
##	81156	N75853	208	175	2	2	IAH	LAS	1222
##	81158	N37274	156	126	4	3	IAH	DEN	862
##	81159	N73299	132	99	-15	-2	IAH	IND	845
##	81165	N75429	178	158	-29	-2	IAH	EWR	1400
##	81166	N76502	74	51	1	4	IAH	MFE	316

##	81172	N75428	173	149	-8	0	IAH	PHX	1009
##	81179	N73270	199	172	50	56	IAH	LGA	1416
##	81180	N77430	158	130	-5	0	IAH	PIT	1117
##	81185	N53442	199	182	12	10	IAH	SLC	1195
##	81186	N16632	171	140	1	-6	IAH	CLE	1091
##	81187	N38257	143	118	-10	4	IAH	ORD	925
##	81197	N29717	158	141	-14	-1	IAH	DCA	1208
##	81204	N53442	245	231	-16	-1	IAH	SFO	1635
##	81209	N38257	199	178	-16	3	IAH	BOS	1597
##	81211	N17139	124	96	-3	7	IAH	MCO	853
##	81217	N78506	215	179	13	8	IAH	LAS	1222
##	81219	N78866	148	126	2	10	IAH	DEN	862
##	81221	N37252	153	128	-4	-1	IAH	DEN	862
##	81223	N24224	123	95	34	35	IAH	TPA	787
##	81226	N14219	165	140	27	33	IAH	MSP	1034
##	81230	N37267	57	41	2	12	IAH	MSY	305
##	81233	N33714	169	144	-8	-2	IAH	BWI	1235
##	81236	N37273	212	193	140	136	IAH	LGA	1416
##	81240	N76516	148	125	-6	8	IAH	CLE	1091
##	81245	N15710	158	136	-10	1	IAH	DCA	1208
##	81248	N33132	171	150	-4	2	IAH	EGE	935
##	81249	N75854	315	288	48	11	IAH	SEA	1874
##	81252	N47414	249	222	2	21	IAH	SFO	1635
##	81257	N24212	223	200	-3	1	IAH	BOS	1597
##	81260	N37427	132	98	0	1	IAH	MCO	853
##	81266	N37409	202	178	86	94	IAH	LAS	1222
##	81270	N24702	117	92	-7	1	IAH	TPA	787
##	81271	N75410	311	281	33	0	IAH	PDX	1825
##	81274	N29717	60	42	-6	0	IAH	MSY	305
##	81281	N37277	217	186	49	27	IAH	LGA	1416
##	81285	N34282	189	172	-14	9	IAH	SAN	1303
##	81286	N47414	197	175	-16	4	IAH	SAN	1303
##	81287	N12221	56	28	4	4	IAH	AUS	140
##	81288	N26210	167	136	2	-2	IAH	CLE	1091
##	81289	N87527	148	122	-4	8	IAH	ORD	925
##	81290	N25705	192	179	6	14	IAH	SLC	1195
##	81292	N17640	137	88	5	-9	IAH	ATL	689
##	81293	N76516	203	184	-16	11	IAH	SNA	1347
##	81297	N78285	55	40	-11	2	IAH	MSY	305
##	81298	N39416	306	282	25	3	IAH	SEA	1874
##	81301	N33286	252	234	-11	-2	IAH	SFO	1635
##	81302	N14219	257	227	-15	-2	IAH	SFO	1635
##	81303	N24212	173	152	-22	-4	IAH	PHL	1324
##	81308	N74856	127	101	-9	-3	IAH	MCO	853
##	81310	N16649	159	136	-11	-3	IAH	DTW	1076
##	81313	N76504	220	195	22	30	IAH	LAX	1379
##	81316	N57852	152	125	-6	4	IAH	DEN	862
##	81322	N78009	216	186	32	21	IAH	EWR	1400
##	81326	N73406	173	151	17	21	IAH	PHX	1009
##	81332	N37298	119	91	-10	-5	IAH	TPA	787
##	81333	N16709	193	165	-10	7	IAH	EWR	1400
##	81342	N77430	141	121	-14	-3	IAH	ORD	925
##	81343	N17244	136	114	-8	-1	IAH	FLL	965
##	81347	N24729	165	144	-4	6	IAH	DCA	1208

##	81350	N72405	262	233	5	3	IAH	SFO	1635
##	81353	N17619	55	42	30	37	IAH	SAT	191
##	81355	N57852	128	99	-12	-1	IAH	MCO	853
##	81357	N79279	170	137	-3	-5	IAH	DTW	1076
##	81359	N37252	218	194	0	7	IAH	LAX	1379
##	81360	N78285	191	171	6	22	IAH	LAS	1222
##	81362	N73283	157	133	5	0	IAH	DEN	862
##	81371	N73275	61	32	11	7	IAH	AUS	140
##	81373	N77520	248	224	-11	0	IAH	SJC	1609
##	81374	N17627	192	137	19	2	IAH	PIT	1117
##	81378	N37281	52	40	53	67	IAH	MSY	305
##	81380	N17627	132	111	-15	-1	IAH	CLT	913
##	81386	N35204	201	173	54	0	IAH	FLL	965
##	81390	N76517	210	189	-7	6	IAH	SNA	1347
##	81392	N16642	126	104	-22	-5	IAH	RSW	861
##	81399	N73259	178	163	-4	10	IAH	PHL	1324
##	81401	N36247	61	38	10	9	IAH	SAT	191
##	81403	N15712	165	128	-8	-2	IAH	DTW	1076
##	81406	N77867	226	183	-1	-1	IAH	LAX	1379
##	81408	N79402	201	174	-13	-2	IAH	LAS	1222
##	81412	N38403	123	89	37	40	IAH	TPA	787
##	81414	N39726	218	193	-7	7	IAH	SNA	1347
##	81419	N77431	59	32	5	1	IAH	AUS	140
##	81421	N16647	53	29	-6	-5	IAH	AUS	140
##	81422	N62631	170	140	5	1	IAH	CLE	1091
##	81424	N37298	147	117	5	15	IAH	ORD	925
##	81426	N73406	135	115	-3	6	IAH	FLL	965
##	81430	N76519	159	140	-2	9	IAH	DCA	1208
##	81434	N76517	122	105	-12	-4	IAH	RSW	861
##	81436	N17614	130	100	17	13	IAH	MCI	643
##	81443	N24715	59	31	-1	-4	IAH	AUS	140
##	81445	N78524	123	97	-4	10	IAH	MCO	853
##	81447	N33209	193	175	-14	8	IAH	SAN	1303
##	81448	N17233	138	111	-2	3	IAH	MIA	964
##	81456	N14250	54	31	4	6	IAH	AUS	140
##	81457	N34222	226	191	3	2	IAH	LAX	1379
##	81464	N75436	164	144	-20	0	IAH	PHX	1009
##	81465	N24633	85	58	4	-1	IAH	MFE	316
##	81466	N26215	60	43	-10	-2	IAH	MSY	305
##	81468	N24715	195	180	-21	11	IAH	SNA	1347
##	81469	N19638	221	190	112	94	IAH	LGA	1416
##	81472	N17614	98	58	17	-3	IAH	MFE	316
##	81473	N12216	249	231	-4	2	IAH	SMF	1609
##	81475	N75410	144	121	-10	-1	IAH	ORD	925
##	81476	N12225	141	115	-6	-1	IAH	FLL	965
##	81480	N73259	128	94	-4	-1	IAH	RSW	861
##	81483	N11641	140	114	-1	-8	IAH	ELP	667
##	81484	N37437	179	154	-7	6	IAH	PHL	1324
##	81487	N11641	48	35	2	19	IAH	SAT	191
##	81492	N16617	177	135	-3	-7	IAH	DTW	1076
##	81493	N14230	190	175	15	45	IAH	SAN	1303
##	81494	N14230	147	117	6	7	IAH	MIA	964
##	81498	N26215	216	192	-13	2	IAH	LAX	1379
##	81503	N24729	69	53	-11	-1	IAH	MFE	316

##	81508	N16648	89	66	-3	-4	IAH	OKC	395
##	81510	N38417	256	230	-8	-3	IAH	SMF	1609
##	81511	N16642	152	122	-5	-7	IAH	ABQ	744
##	81512	N34222	199	183	-13	1	IAH	SAN	1303
##	81514	N77510	198	177	-21	3	IAH	ONT	1334
##	81519	N79402	138	122	28	45	IAH	ORD	925
##	81520	N12218	141	108	0	5	IAH	FLL	965
##	81522	N17614	118	84	-4	7	IAH	ATL	689
##	81527	N37281	318	290	32	-2	IAH	SEA	1874
##	81530	N38417	178	147	-16	-1	IAH	PHL	1324
##	81533	N33262	58	39	13	16	IAH	SAT	191
##	81534	N12225	158	131	-18	0	IAH	TUS	936
##	81537	N14645	73	46	2	1	IAH	DFW	224
##	81539	N33286	133	112	-2	5	IAH	MIA	964
##	81542	N75858	217	186	0	10	IAH	LAX	1379
##	81551	N23708	225	193	0	5	IAH	SNA	1347
##	81552	N14645	60	41	-15	-6	IAH	MSY	305
##	81555	N75436	145	108	2	-1	IAH	PBI	956
##	81557	N36272	215	182	7	-3	IAH	LGA	1416
##	81558	N14242	181	163	-11	4	IAH	PHL	1324
##	81559	N27722	164	137	0	2	IAH	CLE	1091
##	81563	N19623	145	118	-16	-4	IAH	RDU	1043
##	81566	N73291	139	114	1	-3	IAH	OMA	781
##	81571	N76504	122	98	-12	4	IAH	MCO	853
##	81573	N19638	182	158	-7	-7	IAH	HDN	986
##	81576	N33266	254	229	6	13	IAH	SMF	1609
##	81581	N77066	485	469	-7	13	IAH	HNL	3904
##	81586	N24212	92	44	33	10	IAH	MSY	305
##	81587	N78285	96	38	41	5	IAH	SAT	191
##	81597	N14613	77	44	49	41	IAH	MSY	305
##	81599	N76529	58	31	4	-1	IAH	AUS	140
##	81607	N36207	222	182	34	43	IAH	LAX	1379
##	81610	N19130	213	186	-13	0	IAH	LAX	1379
##	81615	N74856	152	126	775	780	IAH	DEN	862
##	81616	N14115	199	163	4	13	IAH	EWR	1400
##	81618	N18119	188	158	50	74	IAH	EWR	1400
##	81624	N27239	178	152	-22	0	IAH	EWR	1400
##	81628	N76062	199	167	-14	-3	IAH	EWR	1400
##	81634	N34222	67	47	6	7	IAH	MSY	305
##	81638	N77258	239	181	23	11	IAH	LAX	1379
##	81640	N75861	190	118	38	6	IAH	ORD	925
##	81643	N34282	212	188	-7	1	IAH	ONT	1334
##	81646	N16709	173	127	2	-1	IAH	DCA	1208
##	81651	N37408	242	222	-31	-4	IAH	SFO	1635
##	81658	N37273	155	109	15	3	IAH	MIA	964
##	81664	N77871	203	167	8	11	IAH	LAS	1222
##	81666	N37298	150	120	-14	-2	IAH	DEN	862
##	81671	N75432	142	95	24	6	IAH	TPA	787
##	81674	N24706	296	269	19	-1	IAH	PDX	1825
##	81675	N38424	191	160	-14	9	IAH	EWR	1400
##	81677	N75429	235	212	-9	6	IAH	SJU	2007
##	81683	N12109	165	145	47	63	IAH	PHX	1009
##	81689	N17614	157	137	-28	-6	IAH	BWI	1235
##	81693	N73275	180	161	-35	-4	IAH	LGA	1416

##	81700	N27610	77	29	23	-1	IAH	AUS	140
##	81702	N14604	187	128	19	1	IAH	CLE	1091
##	81705	N24729	151	116	11	15	IAH	RDU	1043
##	81712	N76529	158	138	-14	-1	IAH	DCA	1208
##	81716	N14231	300	280	15	-1	IAH	SEA	1874
##	81719	N78438	243	220	-23	-1	IAH	SFO	1635
##	81720	N26215	174	128	55	36	IAH	DEN	862
##	81723	N35260	69	40	-1	-4	IAH	SAT	191
##	81724	N77261	198	177	-22	1	IAH	BOS	1597
##	81731	N38417	191	170	-10	12	IAH	LAS	1222
##	81733	N37427	152	122	12	12	IAH	DEN	862
##	81738	N14250	291	272	11	-1	IAH	PDX	1825
##	81739	N57863	208	156	37	38	IAH	EWR	1400
##	81744	N75425	187	141	45	39	IAH	PHX	1009
##	81746		NA	NA	NA	NA	IAH	MSY	305
##	81748	N77525	155	133	-18	1	IAH	BWI	1235
##	81752	N37274	178	158	-34	-4	IAH	LGA	1416
##	81763	N14731	168	137	8	-3	IAH	GUC	886
##	81766	N15710	149	131	-25	-4	IAH	DCA	1208
##	81774	N76254	270	226	19	15	IAH	SFO	1635
##	81780	N33266	75	43	43	30	IAH	SAT	191
##	81782	N76265	203	183	-16	2	IAH	BOS	1597
##	81788	N17229	213	178	7	5	IAH	LAS	1222
##	81790	N37277	145	102	2	-1	IAH	IND	845
##	81792	N33284	195	175	-13	6	IAH	SAN	1303
##	81793	N25705	155	129	-19	-2	IAH	IAD	1190
##	81795	N12216	171	128	-3	-2	IAH	IAD	1190
##	81797	N17233	185	158	-20	0	IAH	EWR	1400
##	81799	N54241	149	127	-23	0	IAH	IAD	1190
##	81802	N76517	273	216	49	34	IAH	SJC	1609
##	81804	N35271	101	44	35	3	IAH	MSY	305
##	81805	N78506	172	142	8	12	IAH	BWI	1235
##	81808	N27722	179	157	-19	3	IAH	LGA	1416
##	81812	N17640	91	62	-2	-6	IAH	TUL	429
##	81813	N75851	160	115	10	9	IAH	ORD	925
##	81815	N33203	148	123	-9	-3	IAH	ORD	925
##	81820	N35204	166	146	-10	-6	IAH	DCA	1208
##	81824	N24211	326	295	58	12	IAH	SEA	1874
##	81830	N76504	87	35	45	24	IAH	SAT	191
##	81833	N76522	216	182	2	10	IAH	BOS	1597
##	81838	N57862	202	174	-7	-1	IAH	LAS	1222
##	81840	N37273	166	130	11	0	IAH	DEN	862
##	81841	N17620	153	107	7	-1	IAH	IND	845
##	81847	N45440	191	160	-12	2	IAH	EWR	1400
##	81848	N35204	89	60	16	4	IAH	MFE	316
##	81854	N35407	174	144	0	7	IAH	PHX	1009
##	81860	N73276	232	154	29	2	IAH	LGA	1416
##	81861	N53441	152	119	-12	-1	IAH	PIT	1117
##	81866	N72405	189	168	0	8	IAH	SLC	1195
##	81867	N17619	154	131	-16	-6	IAH	CLE	1091
##	81868	N76515	149	115	-9	-1	IAH	ORD	925
##	81878	N25705	176	146	2	-3	IAH	DCA	1208
##	81885	N72405	272	219	30	18	IAH	SFO	1635
##	81890	N29717	204	178	-6	8	IAH	BOS	1597

##	81892	N18119	123	103	-11	0	IAH	MCO	853
##	81898	N33203	195	168	-1	14	IAH	LAS	1222
##	81900	N77867	150	123	63	69	IAH	DEN	862
##	81902	N77296	166	126	11	1	IAH	DEN	862
##	81904	N12218	136	97	33	21	IAH	TPA	787
##	81907	N39728	173	142	4	2	IAH	MSP	1034
##	81911	N75851	93	44	30	4	IAH	MSY	305
##	81914	N14613	164	138	-21	-5	IAH	BWI	1235
##	81917	N11641	213	173	26	21	IAH	LGA	1416
##	81921	N14250	163	128	30	29	IAH	CLE	1091
##	81926	N15710	178	136	19	10	IAH	DCA	1208
##	81929	N17139	168	145	-8	1	IAH	EGE	935
##	81930	N57864	325	270	89	42	IAH	SEA	1874
##	81933	N37422	261	220	-3	4	IAH	SFO	1635
##	81938	N14653	227	177	1	1	IAH	BOS	1597
##	81941	N57864	133	106	3	3	IAH	MCO	853
##	81947	N79402	231	174	25	4	IAH	LAS	1222
##	81951	N16713	112	92	-13	0	IAH	TPA	787
##	81952	N73406	283	250	5	0	IAH	PDX	1825
##	81955	N14219	67	43	2	1	IAH	MSY	305
##	81962		NA	NA	NA	NA	IAH	LGA	1416
##	81966	N37434	194	172	-2	16	IAH	SAN	1303
##	81967	N39415	201	181	-17	-1	IAH	SAN	1303
##	81968	N26215	66	30	23	13	IAH	AUS	140
##	81969	N13248	195	124	30	-2	IAH	CLE	1091
##	81970	N78524	165	120	21	16	IAH	ORD	925
##	81971	N77296	216	187	22	6	IAH	SLC	1195
##	81973	N16648	129	84	27	21	IAH	ATL	689
##	81974	N87513	213	191	-21	-4	IAH	SNA	1347
##	81978	N24211	84	46	20	4	IAH	MSY	305
##	81979	N37437	315	280	55	24	IAH	SEA	1874
##	81982	N33286	254	222	-1	6	IAH	SFO	1635
##	81983	N34222	256	232	-17	-3	IAH	SFO	1635
##	81984	N24729	172	151	-18	1	IAH	PHL	1324
##	81989	N57852	174	101	42	1	IAH	MCO	853
##	81991	N14639	154	128	-18	-5	IAH	DTW	1076
##	81994	N17244	248	182	68	48	IAH	LAX	1379
##	81997	N75853	149	119	-16	-3	IAH	DEN	862
##	82003	N77022	210	158	14	9	IAH	EWR	1400
##	82008	N75410	169	141	15	23	IAH	PHX	1009
##	82014	N73291	109	92	19	34	IAH	TPA	787
##	82015	N73251	186	154	-10	14	IAH	EWR	1400
##	82024	N78438	143	118	-3	6	IAH	ORD	925
##	82025	N77258	127	110	-20	-4	IAH	FLL	965
##	82029	N27724	156	137	-26	-7	IAH	DCA	1208
##	82032	N32404	275	224	26	11	IAH	SFO	1635
##	82035	N73259	82	37	44	24	IAH	SAT	191
##	82037	N75853	147	101	18	10	IAH	MCO	853
##	82039	N12225	161	126	-9	-2	IAH	DTW	1076
##	82041	N12238	211	180	-14	0	IAH	LAX	1379
##	82042	N76503	202	177	-4	1	IAH	LAS	1222
##	82044	N73275	162	127	22	12	IAH	DEN	862
##	82053	N76516	73	31	22	6	IAH	AUS	140
##	82055	N33264	250	226	-11	-2	IAH	SJC	1609

##	82056	N19621	171	126	8	12	IAH	PIT	1117
##	82060	N37277	74	43	6	-2	IAH	MSY	305
##	82062	N16648	130	104	-21	-5	IAH	CLT	913
##	82068	N33289	130	112	-18	-1	IAH	FLL	965
##	82072	N77525	211	183	9	21	IAH	SNA	1347
##	82074	N14645	126	100	-17	0	IAH	RSW	861
##	82081	N36207	165	146	-29	-2	IAH	PHL	1324
##	82083	N37434	68	36	25	17	IAH	SAT	191
##	82085	N73291	165	131	-7	-1	IAH	DTW	1076
##	82088	N57863	231	184	2	-3	IAH	LAX	1379
##	82090	N35260	207	166	7	12	IAH	LAS	1222
##	82091	N14230	173	141	4	1	IAH	DCA	1208
##	82095	N37408	135	94	16	7	IAH	TPA	787
##	82097	N16701	222	177	-11	-1	IAH	SNA	1347
##	82102	N30401	58	29	27	24	IAH	AUS	140
##	82104	N17627	69	31	14	-1	IAH	AUS	140
##	82105	N13624	135	119	-18	13	IAH	CLE	1091
##	82107	N34222	157	128	22	22	IAH	ORD	925
##	82109	N75410	188	110	49	5	IAH	FLL	965
##	82116	N12238	173	97	45	2	IAH	RSW	861
##	82118	N62631	133	95	32	25	IAH	MCI	643
##	82125	N37434	54	31	26	28	IAH	AUS	140
##	82127	N75436	136	104	10	11	IAH	MCO	853
##	82129	N73299	213	167	9	11	IAH	SAN	1303
##	82130	N73299	126	104	-19	-2	IAH	MIA	964
##	82138	N87513	56	30	0	0	IAH	AUS	140
##	82139	N36280	222	188	0	3	IAH	LAX	1379
##	82146	N47414	183	151	-2	-1	IAH	PHX	1009
##	82147	N17620	126	62	43	-3	IAH	MFE	316
##	82148	N16234	55	42	-6	7	IAH	MSY	305
##	82150	N16703	220	188	-10	-3	IAH	SNA	1347
##	82151	N27724	199	169	0	4	IAH	LGA	1416
##	82154	N18622	82	58	13	9	IAH	MFE	316
##	82155	N78285	229	203	-3	23	IAH	SMF	1609
##	82157	N35407	127	111	-14	12	IAH	ORD	925
##	82158	N38257	157	107	41	30	IAH	FLL	965
##	82162	N33209	162	102	40	9	IAH	RSW	861
##	82165	N17627	145	94	45	33	IAH	ELP	667
##	82166	N39418	190	146	6	8	IAH	PHL	1324
##	82169	N27610	61	39	-15	-11	IAH	SAT	191
##	82174	N16642	179	126	2	-4	IAH	DTW	1076
##	82175	N24224	212	175	-5	3	IAH	SAN	1303
##	82176	N17229	131	109	-19	-2	IAH	MIA	964
##	82180	N37287	225	189	38	44	IAH	LAX	1379
##	82185	N33714	82	61	1	-2	IAH	MFE	316
##	82190	N17614	94	60	3	-3	IAH	OKC	395
##	82192	N38443	251	228	-15	-5	IAH	SMF	1609
##	82193	N14645	147	115	3	6	IAH	ABQ	744
##	82194	N75428	194	168	-5	14	IAH	SAN	1303
##	82196	N24212	205	186	-20	-3	IAH	ONT	1334
##	82201	N79402	134	112	-22	-1	IAH	ORD	925
##	82202	N14237	151	109	10	5	IAH	FLL	965
##	82204	N62631	122	93	-8	-1	IAH	ATL	689
##	82209	N37252	300	276	14	-2	IAH	SEA	1874

##	82212	N27239	195	143	12	10	IAH	PHL	1324
##	82215	N33266	58	36	9	12	IAH	SAT	191
##	82216	N14604	161	137	3	18	IAH	TUS	936
##	82219	N32626	86	46	13	-1	IAH	DFW	224
##	82221	N33203	193	109	52	-1	IAH	MIA	964
##	82224	N56859	241	197	21	7	IAH	LAX	1379
##	82233	N23708	235	182	15	10	IAH	SNA	1347
##	82234	N17627	59	40	17	27	IAH	MSY	305
##	82237	N38443	146	106	0	-4	IAH	PBI	956
##	82239	N76269	188	163	-21	-4	IAH	LGA	1416
##	82240	N77520	176	156	-1	19	IAH	PHL	1324
##	82241	N15712	157	126	-8	1	IAH	CLE	1091
##	82245	N18622	179	122	22	0	IAH	RDU	1043
##	82248	N37293	125	108	-12	-2	IAH	OMA	781
##	82253	N54241	133	103	-7	-2	IAH	MCO	853
##	82255	N17640	174	150	-9	-1	IAH	HDN	986
##	82258	N37255	252	220	-5	4	IAH	SMF	1609
##	82263	N76064	495	475	-9	1	IAH	HNL	3904
##	82268	N17229	57	41	-13	-1	IAH	MSY	305
##	82269	N35204	59	38	-6	-5	IAH	SAT	191
##	82278	N37434	66	44	-3	0	IAH	MSY	305
##	82280	N18622	62	32	4	-5	IAH	AUS	140
##	82288	N87512	231	197	0	0	IAH	LAX	1379
##	82291	N19141	211	184	-12	3	IAH	LAX	1379
##	82296	N75861	163	124	38	32	IAH	DEN	862
##	82297	N26123	192	170	4	20	IAH	EWR	1400
##	82299	N33103	213	180	1	0	IAH	EWR	1400
##	82305	N73256	197	169	-5	-2	IAH	EWR	1400
##	82309	N66051	199	173	-11	0	IAH	EWR	1400
##	82315	N18223	64	41	-5	-1	IAH	MSY	305
##	82319	N14250	218	191	9	18	IAH	LAX	1379
##	82320	N57862	141	118	11	28	IAH	ORD	925
##	82323	N13248	205	182	-11	4	IAH	ONT	1334
##	82326	N39726	166	140	-9	-5	IAH	DCA	1208
##	82331	N34222	258	239	-11	0	IAH	SFO	1635
##	82337	N76269	138	106	-9	-4	IAH	MIA	964
##	82341	N14230	151	126	163	174	IAH	DEN	862
##	82346	N39423	112	96	2	14	IAH	TPA	787
##	82349	N38727	273	253	-6	-3	IAH	PDX	1825
##	82350	N37409	199	171	-16	-1	IAH	EWR	1400
##	82352	N45440	238	220	-13	-1	IAH	SJU	2007
##	82358	N67134	173	150	-11	-3	IAH	PHX	1009
##	82367	N76265	206	175	-9	-4	IAH	LGA	1416
##	82374	N16646	51	28	-5	-3	IAH	AUS	140
##	82376	N17619	164	132	-7	-2	IAH	CLE	1091
##	82379	N14653	146	124	-9	4	IAH	RDU	1043
##	82385	N78524	164	144	-11	-4	IAH	DCA	1208
##	82391	N27239	159	130	5	1	IAH	DEN	862
##	82394	N38417	212	187	-13	-4	IAH	BOS	1597
##	82400	N17245	143	121	-14	-5	IAH	DEN	862
##	82405	N36247	272	255	-9	-2	IAH	PDX	1825
##	82406	N75858	189	160	-17	3	IAH	EWR	1400
##	82410	N37413	173	151	-8	0	IAH	PHX	1009
##	82411	N37277	65	42	5	8	IAH	MSY	305

##	82413	N87513	159	144	-10	5	IAH	BWI	1235
##	82417	N37255	185	166	38	61	IAH	LGA	1416
##	82429	N34282	164	150	-14	-8	IAH	DCA	1208
##	82435	N38257	256	230	-5	5	IAH	SFO	1635
##	82440	N77258	56	37	-7	-1	IAH	SAT	191
##	82447	N12238	199	179	-8	1	IAH	LAS	1222
##	82449	N17245	137	112	-7	-2	IAH	IND	845
##	82451	N13248	168	144	-9	-5	IAH	IAD	1190
##	82453	N12225	167	144	-6	-1	IAH	IAD	1190
##	82455	N73278	206	184	-2	-3	IAH	EWR	1400
##	82457	N12216	157	138	-17	-2	IAH	IAD	1190
##	82460	N37287	248	227	-2	8	IAH	SJC	1609
##	82461	N37255	72	42	2	-1	IAH	MSY	305
##	82462	N76508	177	143	0	-1	IAH	BWI	1235
##	82465	N15712	187	169	-18	-4	IAH	LGA	1416
##	82469	N14639	90	60	0	-3	IAH	TUL	429
##	82470	N77871	159	116	-1	-1	IAH	ORD	925
##	82472	N27724	157	133	-2	-5	IAH	ORD	925
##	82477	N76503	173	143	36	33	IAH	DCA	1208
##	82481	N39418	275	259	-7	-2	IAH	SEA	1874
##	82487	N77261	62	37	-2	2	IAH	SAT	191
##	82488	N78501	220	193	-2	2	IAH	BOS	1597
##	82492	N57868	200	179	-6	2	IAH	LAS	1222
##	82494	N18622	148	108	-5	-8	IAH	IND	845
##	82500	N38424	203	180	1	3	IAH	EWR	1400
##	82501	N27722	77	58	4	4	IAH	MFE	316
##	82507	N30401	179	151	-3	-1	IAH	PHX	1009
##	82513	N73276	206	180	0	-1	IAH	LGA	1416
##	82514	N14219	159	133	4	8	IAH	PIT	1117
##	82519	N30401	198	174	1	0	IAH	SLC	1195
##	82520	N14645	158	137	-19	-7	IAH	CLE	1091
##	82521	N18223	144	120	-18	-5	IAH	ORD	925
##	82531	N14731	177	151	0	-6	IAH	DCA	1208
##	82533	N76526	221	193	-10	-1	IAH	SNA	1347
##	82539	N38417	247	223	-5	8	IAH	SFO	1635
##	82544	N33294	202	181	-19	-3	IAH	BOS	1597
##	82546	N18119	125	102	5	14	IAH	MCO	853
##	82552	N37298	198	179	-9	3	IAH	LAS	1222
##	82554	N75851	156	131	0	0	IAH	DEN	862
##	82556	N24211	160	131	19	15	IAH	DEN	862
##	82558	N14237	131	92	24	17	IAH	TPA	787
##	82561	N34282	164	134	-8	-1	IAH	MSP	1034
##	82565	N33264	62	41	-5	0	IAH	MSY	305
##	82568	N62631	185	152	0	-5	IAH	BWI	1235
##	82570	N78506	208	186	-1	-1	IAH	LGA	1416
##	82574	N39416	146	126	-9	7	IAH	CLE	1091
##	82577	N33714	167	139	-3	-1	IAH	DCA	1208
##	82580	N13718	174	156	0	3	IAH	EGE	935
##	82582	N57852	284	266	7	1	IAH	SEA	1874
##	82585	N33286	249	227	-16	3	IAH	SFO	1635
##	82589	N76504	229	197	3	1	IAH	BOS	1597
##	82595	N37408	200	177	43	53	IAH	LAS	1222
##	82599	N39726	116	98	-8	1	IAH	TPA	787
##	82600	N75410	289	261	9	-2	IAH	PDX	1825

##	82609	N76265	189	164	-6	0	IAH	LGA	1416
##	82613	N39415	212	190	-7	-2	IAH	SAN	1303
##	82614	N36272	164	127	-2	-3	IAH	CLE	1091
##	82615	N76517	138	119	-22	0	IAH	ORD	925
##	82616	N35204	187	170	-18	-5	IAH	SLC	1195
##	82618	N17640	132	88	2	-7	IAH	ATL	689
##	82621	N24224	59	43	-13	-4	IAH	MSY	305
##	82622	N37290	288	263	16	12	IAH	SEA	1874
##	82625	N12225	245	226	-16	0	IAH	SFO	1635
##	82626	N33289	263	238	-7	0	IAH	SFO	1635
##	82627	N33209	187	167	-2	2	IAH	PHL	1324
##	82632	N57864	131	105	-9	-7	IAH	MCO	853
##	82635	N17233	217	196	-13	-2	IAH	LAX	1379
##	82638	N57863	161	125	-5	-4	IAH	DEN	862
##	82644	N76010	199	174	0	6	IAH	EWR	1400
##	82649	N35407	169	145	-1	7	IAH	PHX	1009
##	82656	N18220	184	156	-12	14	IAH	EWR	1400
##	82664	N72405	137	114	-18	-3	IAH	ORD	925
##	82665	N14250	135	117	-11	-3	IAH	FLL	965
##	82669	N24715	149	134	-15	11	IAH	DCA	1208
##	82672	N73406	260	222	3	3	IAH	SFO	1635
##	82675	N24212	65	34	0	-3	IAH	SAT	191
##	82677	N57863	134	100	12	17	IAH	MCO	853
##	82679	N39297	157	139	-8	3	IAH	DTW	1076
##	82681	N39297	209	181	-16	0	IAH	LAX	1379
##	82682	N14237	205	181	-4	-2	IAH	LAS	1222
##	82684	N78509	150	126	-1	1	IAH	DEN	862
##	82692	N33264	57	28	1	1	IAH	AUS	140
##	82694	N77261	255	236	-1	3	IAH	SJC	1609
##	82695	N24212	156	132	-19	-4	IAH	PIT	1117
##	82699	N35271	57	44	-8	1	IAH	MSY	305
##	82701	N24633	136	115	-16	-6	IAH	CLT	913
##	82710	N76522	203	183	-20	0	IAH	SNA	1347
##	82717	N73291	52	39	32	40	IAH	SAT	191
##	82719	N37252	158	128	-17	-4	IAH	DTW	1076
##	82721	N77871	223	197	-1	2	IAH	LAX	1379
##	82723	N76502	223	183	13	2	IAH	LAS	1222
##	82727	N38403	171	139	51	6	IAH	TPA	787
##	82728	N23708	232	199	5	5	IAH	SNA	1347
##	82732	N76503	50	29	11	16	IAH	AUS	140
##	82734	N16648	45	28	5	14	IAH	AUS	140
##	82735	N11641	145	129	-26	-5	IAH	CLE	1091
##	82737	N12218	135	116	-18	4	IAH	ORD	925
##	82739	N72405	142	121	0	2	IAH	FLL	965
##	82743	N76526	47	30	-8	1	IAH	AUS	140
##	82747	N76522	132	106	1	-1	IAH	RSW	861
##	82749	N13624	144	91	13	-5	IAH	MCI	643
##	82756	N37413	48	29	-12	-4	IAH	AUS	140
##	82758	N12221	119	97	-18	0	IAH	MCO	853
##	82760	N53442	215	186	11	11	IAH	SAN	1303
##	82761	N37290	140	118	0	3	IAH	MIA	964
##	82767	N73251	166	140	-1	3	IAH	DCA	1208
##	82773	N14604	81	56	-4	-5	IAH	MFE	316
##	82774	N37408	57	43	-12	-1	IAH	MSY	305

##	82776	N39728	224	204	-3	0	IAH	SNA	1347
##	82777	N27610	186	160	1	18	IAH	LGA	1416
##	82780	N18223	237	223	-17	1	IAH	SMF	1609
##	82782	N37267	136	119	-17	0	IAH	ORD	925
##	82783	N33209	152	119	10	4	IAH	FLL	965
##	82787	N77295	128	98	-1	2	IAH	RSW	861
##	82791	N16648	131	107	-6	-4	IAH	ELP	667
##	82792	N78438	184	157	0	8	IAH	PHL	1324
##	82795	N76517	55	39	-10	0	IAH	SAT	191
##	82800	N14645	181	136	3	-5	IAH	DTW	1076
##	82801	N76288	201	183	-23	-4	IAH	SAN	1303
##	82805	N27213	218	197	-8	5	IAH	LAX	1379
##	82810	N77258	72	53	-10	-3	IAH	MFE	316
##	82814	N14604	87	61	-5	-4	IAH	OKC	395
##	82816	N75428	253	233	-14	-6	IAH	SMF	1609
##	82817	N17627	146	120	-10	-6	IAH	ABQ	744
##	82818	N75432	198	181	-9	6	IAH	SAN	1303
##	82821	N33286	208	189	-16	-2	IAH	ONT	1334
##	82825	N57852	152	129	-9	-6	IAH	ORD	925
##	82826	N75428	139	119	-8	-1	IAH	FLL	965
##	82827	N14653	117	95	-16	-4	IAH	ATL	689
##	82831	N37422	284	266	-1	-1	IAH	SEA	1874
##	82833	N36247	192	161	-2	-1	IAH	PHL	1324
##	82835	N73275	59	42	3	5	IAH	SAT	191
##	82836	N16647	80	42	13	5	IAH	DFW	224
##	82838	N36207	143	116	4	1	IAH	MIA	964
##	82841	N78866	221	193	-2	4	IAH	LAX	1379
##	82850	N29717	222	193	-11	-3	IAH	SNA	1347
##	82853	N37420	152	117	6	-4	IAH	PBI	956
##	82855	N37274	197	179	-10	-2	IAH	LGA	1416
##	82856	N73291	190	171	-6	0	IAH	PHL	1324
##	82857	N24706	158	130	-8	0	IAH	CLE	1091
##	82861	N19638	149	128	-13	-5	IAH	RDU	1043
##	82864	N33289	126	107	-13	-4	IAH	OMA	781
##	82869	N73406	127	105	-14	-3	IAH	MCO	853
##	82871	N14639	173	153	-4	5	IAH	HDN	986
##	82874	N24715	251	232	-12	-2	IAH	SMF	1609
##	82879	N66057	NA	NA	NA	2	IAH	HNL	3904
##	82884	N37290	54	39	-17	-2	IAH	MSY	305
##	82885	N16217	63	39	26	23	IAH	SAT	191
##	82894	N16647	74	52	0	-5	IAH	MSY	305
##	82896	N38257	62	30	18	9	IAH	AUS	140
##	82906	N33132	216	193	-14	-4	IAH	LAX	1379
##	82911	N57862	161	135	90	86	IAH	DEN	862
##	82912	N17126	222	175	16	2	IAH	EWR	1400
##	82914	N19136	198	164	-4	10	IAH	EWR	1400
##	82920	N76254	186	159	123	137	IAH	EWR	1400
##	82924		NA	NA	NA	NA	IAH	EWR	1400
##	82930	N47414	58	41	7	17	IAH	MSY	305
##	82934	N33289	229	195	4	2	IAH	LAX	1379
##	82935	N75853	189	125	32	1	IAH	ORD	925
##	82938	N36207	197	180	-5	18	IAH	ONT	1334
##	82941	N27724	176	144	7	1	IAH	DCA	1208
##	82946	N31412	259	237	-10	0	IAH	SFO	1635

##	82952	N73275	134	114	-11	-2	IAH	MIA	964
##	82956	N73278	175	138	15	2	IAH	DEN	862
##	82961	N39416	113	95	24	35	IAH	TPA	787
##	82964	N23721	273	257	-2	1	IAH	PDX	1825
##	82965	N71411	222	163	19	11	IAH	EWR	1400
##	82967	N38424	236	215	-13	1	IAH	SJU	2007
##	82973	N41135	182	153	1	0	IAH	PHX	1009
##	82982	N38727	195	176	41	57	IAH	LGA	1416
##	82989	N14629	56	30	0	-3	IAH	AUS	140
##	82991	N59630	173	139	1	-3	IAH	CLE	1091
##	82994	N19623	155	122	-6	-2	IAH	RDU	1043
##	83000	N14230	161	141	-13	-3	IAH	DCA	1208
##	83006	N13248	180	138	23	-2	IAH	DEN	862
##	83009	N78438	220	183	4	5	IAH	BOS	1597
##	83015	N16217	156	134	1	-3	IAH	DEN	862
##	83020	N18223	305	287	29	3	IAH	PDX	1825
##	83021	N57870	183	155	23	49	IAH	EWR	1400
##	83024	N27205	182	149	2	1	IAH	PHX	1009
##	83025	N36272	64	39	-3	1	IAH	MSY	305
##	83027	N76514	160	144	-10	4	IAH	BWI	1235
##	83031	N18220	231	203	20	-3	IAH	LGA	1416
##	83040	N13718	170	149	8	-5	IAH	GUC	886
##	83048	N73283	262	232	14	18	IAH	SFO	1635
##	83053	N39728	69	41	8	1	IAH	SAT	191
##	83060	N17245	205	177	1	7	IAH	LAS	1222
##	83062	N12218	128	99	-18	-4	IAH	IND	845
##	83064	N15712	181	139	7	-2	IAH	IAD	1190
##	83066	N37298	160	143	-14	-2	IAH	IAD	1190
##	83068	N76522	219	195	70	56	IAH	EWR	1400
##	83070	N12225	169	141	-4	-1	IAH	IAD	1190
##	83073	N87513	248	229	-4	6	IAH	SJC	1609
##	83074	N37274	65	43	-6	-2	IAH	MSY	305
##	83075	N38257	165	143	-9	2	IAH	BWI	1235
##	83081	N13624	99	69	6	-6	IAH	TUL	429
##	83082	N18223	159	133	44	44	IAH	ORD	925
##	83084	N12216	156	131	-3	-5	IAH	ORD	925
##	83089	N14214	157	140	-14	-1	IAH	DCA	1208
##	83093	N37434	298	275	15	-3	IAH	SEA	1874
##	83099	N76269	60	35	-6	0	IAH	SAT	191
##	83100	N77525	214	179	28	38	IAH	BOS	1597
##	83104	N57855	204	174	-5	-1	IAH	LAS	1222
##	83106	N16647	145	113	-7	-7	IAH	IND	845
##	83112	N37420	224	193	24	5	IAH	EWR	1400
##	83113	N37255	70	51	-11	-4	IAH	MFE	316
##	83119	N75426	164	146	-17	0	IAH	PHX	1009
##	83125	N16732	215	183	157	147	IAH	LGA	1416
##	83126	N37409	152	131	-12	-1	IAH	PIT	1117
##	83131	N79402	222	190	22	-3	IAH	SLC	1195
##	83132	N16617	168	138	-9	-7	IAH	CLE	1091
##	83133	N87512	162	130	18	13	IAH	ORD	925
##	83142	N25705	179	139	6	-2	IAH	DCA	1208
##	83149	N38417	253	234	-14	1	IAH	SFO	1635
##	83154	N38727	208	178	10	20	IAH	BOS	1597
##	83156	N33132	131	106	4	7	IAH	MCO	853

##	83162	N73278	194	173	-16	0	IAH	LAS	1222
##	83164	N57852	159	138	2	-1	IAH	DEN	862
##	83166	N77258	164	142	5	-3	IAH	DEN	862
##	83168	N76288	128	94	24	20	IAH	TPA	787
##	83171	N24211	174	153	3	0	IAH	MSP	1034
##	83175	N76269	80	46	13	0	IAH	MSY	305
##	83178	N16647	167	147	-18	-5	IAH	BWI	1235
##	83180	N33203	243	185	213	178	IAH	LGA	1416
##	83184	N37273	157	133	-4	1	IAH	CLE	1091
##	83188	N37267	158	135	-10	1	IAH	DCA	1208
##	83190	N24706	181	158	3	-1	IAH	EGE	935
##	83192	N57864	311	291	40	7	IAH	SEA	1874
##	83198	N26226	248	204	65	44	IAH	BOS	1597
##	83204	N38443	215	180	6	1	IAH	LAS	1222
##	83208	N27724	126	99	-2	-3	IAH	TPA	787
##	83209	N27213	290	270	20	8	IAH	PDX	1825
##	83218	N13718	198	161	84	81	IAH	LGA	1416
##	83222	N75428	206	186	-11	0	IAH	SAN	1303
##	83223	N16649	168	137	3	-2	IAH	CLE	1091
##	83224	N79521	166	139	68	62	IAH	ORD	925
##	83225	N76503	198	177	0	2	IAH	SLC	1195
##	83227	N11641	114	82	28	37	IAH	ATL	689
##	83228	N87507	236	205	1	-5	IAH	SNA	1347
##	83231	N76517	92	67	22	-2	IAH	MSY	305
##	83232	N26210	316	292	50	18	IAH	SEA	1874
##	83235	N77258	261	237	10	10	IAH	SFO	1635
##	83236	N14219	260	239	-9	1	IAH	SFO	1635
##	83237	N73256	222	155	29	-2	IAH	PHL	1324
##	83242	N75854	127	101	-13	-7	IAH	MCO	853
##	83245	N14230	216	191	-11	1	IAH	LAX	1379
##	83247	N57864	163	140	0	-1	IAH	DEN	862
##	83253	N78004	228	201	27	4	IAH	EWR	1400
##	83258	N38403	167	142	-11	-1	IAH	PHX	1009
##	83264	N37287	177	150	-4	29	IAH	EWR	1400
##	83272	N30401	153	129	-1	-2	IAH	ORD	925
##	83273	N38443	146	120	-1	-4	IAH	FLL	965
##	83277	N16709	162	146	-3	10	IAH	DCA	1208
##	83280	N75410	251	226	51	60	IAH	SFO	1635
##	83283	N37273	69	38	6	-1	IAH	SAT	191
##	83285	N57868	143	105	0	-4	IAH	MCO	853
##	83287	N76503	159	137	-12	-3	IAH	DTW	1076
##	83289	N14242	224	193	10	11	IAH	LAX	1379
##	83290	N76288	200	176	-5	2	IAH	LAS	1222
##	83292	N77867	156	135	116	112	IAH	DEN	862
##	83300	N35260	44	30	32	45	IAH	AUS	140
##	83302	N76265	259	236	-2	-2	IAH	SJC	1609
##	83303	N19621	174	146	-7	-6	IAH	PIT	1117
##	83307	N16648	65	42	79	80	IAH	MSY	305
##	83309	N11641	132	110	-18	-4	IAH	CLT	913
##	83318	N39297	215	191	-10	-2	IAH	SNA	1347
##	83324	N33209	58	36	0	2	IAH	SAT	191
##	83326	N14731	165	129	-11	-5	IAH	DTW	1076
##	83328	N57862	233	192	13	6	IAH	LAX	1379
##	83333	N75433	110	90	-11	5	IAH	TPA	787

##	83334	N16709	219	194	-11	2	IAH	SNA	1347
##	83338	N37409	48	31	-6	1	IAH	AUS	140
##	83340	N16646	67	29	13	0	IAH	AUS	140
##	83341	N14645	157	136	-19	-10	IAH	CLE	1091
##	83343	N73256	225	138	105	37	IAH	ORD	925
##	83345	N47414	140	125	-2	2	IAH	FLL	965
##	83349	N87507	221	194	-9	1	IAH	LAX	1379
##	83352	N76526	163	143	-5	2	IAH	DCA	1208
##	83354	N14242	125	104	-5	0	IAH	RSW	861
##	83356	N14639	121	96	1	6	IAH	MCI	643
##	83363	N39416	75	32	19	0	IAH	AUS	140
##	83365	N31412	127	104	3	13	IAH	MCO	853
##	83367	N37281	210	181	-2	3	IAH	SAN	1303
##	83368	N73283	150	110	8	1	IAH	MIA	964
##	83374	N78506	52	29	-5	-1	IAH	AUS	140
##	83380	N37274	89	55	35	26	IAH	MFE	316
##	83381	N17619	61	41	-9	-2	IAH	MSY	305
##	83383	N23708	229	197	3	1	IAH	SNA	1347
##	83384	N15712	201	161	141	137	IAH	LGA	1416
##	83387	N14214	241	220	1	15	IAH	SMF	1609
##	83389	N36207	152	127	3	4	IAH	ORD	925
##	83390	N76505	155	118	5	-4	IAH	FLL	965
##	83394	N78285	130	101	1	2	IAH	RSW	861
##	83398	N19638	117	99	-19	-3	IAH	ELP	667
##	83399	N87512	191	156	222	223	IAH	PHL	1324
##	83402	N16732	85	41	25	5	IAH	SAT	191
##	83407	N27610	174	139	-17	-18	IAH	DTW	1076
##	83408	N76502	200	173	61	81	IAH	SAN	1303
##	83412	N11206	218	195	-12	1	IAH	LAX	1379
##	83417	N18622	75	53	-6	-2	IAH	MFE	316
##	83421	N17619	86	65	-1	1	IAH	OKC	395
##	83423	N37267	252	228	-5	4	IAH	SMF	1609
##	83424	N32626	145	119	-3	2	IAH	ABQ	744
##	83425	N33262	198	179	-11	4	IAH	SAN	1303
##	83428	N35260	214	191	-6	-2	IAH	ONT	1334
##	83432	N26210	162	125	7	0	IAH	ORD	925
##	83433	N75428	140	120	2	8	IAH	FLL	965
##	83434	N17619	107	84	-22	0	IAH	ATL	689
##	83438	N53441	333	295	49	0	IAH	SEA	1874
##	83440	N12218	188	163	42	47	IAH	PHL	1324
##	83442	N26215	53	36	-9	-1	IAH	SAT	191
##	83443	N16617	85	43	10	-3	IAH	DFW	224
##	83445	N33209	142	112	0	-2	IAH	MIA	964
##	83448	N75861	212	183	21	36	IAH	LAX	1379
##	83457	N16701	225	197	-8	-3	IAH	SNA	1347
##	83460	N27421	132	110	-10	0	IAH	PBI	956
##	83462	N73276	196	162	125	134	IAH	LGA	1416
##	83463	N34222	185	159	134	145	IAH	PHL	1324
##	83464	N12216	158	135	-11	-3	IAH	CLE	1091
##	83467	N24633	139	117	-19	-1	IAH	RDU	1043
##	83470	N35204	138	115	4	1	IAH	OMA	781
##	83474	N26226	136	105	16	18	IAH	MCO	853
##	83476	N13624	195	172	7	-6	IAH	HDN	986
##	83479	N16713	257	235	2	6	IAH	SMF	1609

##	83484	N76065	505	478	-1	-1	IAH	HNL	3904
##	83489	N62631	64	46	-2	3	IAH	MSY	305
##	83490	N76505	57	39	-2	1	IAH	SAT	191
##	83499	N19621	71	44	-3	-5	IAH	MSY	305
##	83501	N35204	51	28	10	12	IAH	AUS	140
##	83509	N76517	225	198	-3	3	IAH	LAX	1379
##	83512	N29124	216	197	193	203	IAH	LAX	1379
##	83517	N75853	177	141	21	1	IAH	DEN	862
##	83518	N68155	198	182	-9	1	IAH	EWR	1400
##	83520	N12109	191	165	65	86	IAH	EWR	1400
##	83525	N24202	194	169	-6	0	IAH	EWR	1400
##	83529	N76055	194	165	-15	1	IAH	EWR	1400
##	83535	N75426	72	44	3	-1	IAH	MSY	305
##	83539	N14219	211	190	-9	7	IAH	LAX	1379
##	83540	N57864	164	129	225	219	IAH	ORD	925
##	83543	N12218	203	184	-18	-1	IAH	ONT	1334
##	83546	N23721	164	148	-1	5	IAH	DCA	1208
##	83551	N35407	247	221	-19	3	IAH	SFO	1635
##	83558	N33262	134	112	-12	-3	IAH	MIA	964
##	83563	N57857	182	164	6	30	IAH	LAS	1222
##	83565	N73251	170	136	9	1	IAH	DEN	862
##	83570	N77431	118	98	-1	5	IAH	TPA	787
##	83573	N17719	301	286	34	9	IAH	PDX	1825
##	83574	N75410	201	173	3	16	IAH	EWR	1400
##	83576	N75428	252	234	6	4	IAH	SJU	2007
##	83582	N57111	168	146	-16	-3	IAH	PHX	1009
##	83588	N13624	175	160	-3	1	IAH	BWI	1235
##	83592	N37273	193	173	-19	-1	IAH	LGA	1416
##	83599	N14604	63	28	14	4	IAH	AUS	140
##	83601	N16647	171	141	2	0	IAH	CLE	1091
##	83604	N13624	149	127	-7	3	IAH	RDU	1043
##	83611	N79521	171	142	1	1	IAH	DCA	1208
##	83615	N75433	306	291	21	-1	IAH	SEA	1874
##	83618	N38443	267	242	18	16	IAH	SFO	1635
##	83619	N18223	166	141	20	9	IAH	DEN	862
##	83622	N36272	59	40	-9	-2	IAH	SAT	191
##	83623	N37298	220	185	2	3	IAH	BOS	1597
##	83630	N39423	200	178	-15	-2	IAH	LAS	1222
##	83632	N17233	160	139	9	1	IAH	DEN	862
##	83637	N33289	292	275	7	-6	IAH	PDX	1825
##	83638	N74856	189	158	32	52	IAH	EWR	1400
##	83642	N37427	170	146	4	15	IAH	PHX	1009
##	83644	N73275	64	45	-9	-5	IAH	MSY	305
##	83646	N77525	172	154	0	2	IAH	BWI	1235
##	83650	N33264	199	168	-12	-3	IAH	LGA	1416
##	83662	N24706	172	154	0	-2	IAH	DCA	1208
##	83670	N37255	252	228	4	18	IAH	SFO	1635
##	83676	N16646	57	38	-5	0	IAH	SAT	191
##	83678	N37267	214	186	-4	3	IAH	BOS	1597
##	83684	N36280	202	183	-5	1	IAH	LAS	1222
##	83686	N27213	137	116	26	31	IAH	IND	845
##	83688	N73270	206	185	-7	1	IAH	SAN	1303
##	83689	N38727	186	151	16	2	IAH	IAD	1190
##	83691	N18220	164	154	20	28	IAH	IAD	1190

##	83693	N66051	204	168	-3	-2	IAH	EWR	1400
##	83695	N37281	175	156	1	-2	IAH	IAD	1190
##	83698	N76514	256	230	17	19	IAH	SJC	1609
##	83700	N37274	57	41	-2	10	IAH	MSY	305
##	83701	N35204	174	156	3	5	IAH	BWI	1235
##	83704	N25705	200	170	0	1	IAH	LGA	1416
##	83708	N59630	90	73	2	-1	IAH	TUL	429
##	83709	N37293	154	121	82	87	IAH	ORD	925
##	83711	N54241	189	166	29	-6	IAH	ORD	925
##	83716	N77258	169	148	1	2	IAH	DCA	1208
##	83720	N75436	301	283	21	0	IAH	SEA	1874
##	83726	N73291	61	39	9	14	IAH	SAT	191
##	83729	N76516	221	185	2	5	IAH	BOS	1597
##	83734	N77867	202	170	-1	5	IAH	LAS	1222
##	83736	N24212	158	138	8	5	IAH	DEN	862
##	83737	N19621	150	117	0	-5	IAH	IND	845
##	83743	N75432	196	173	-9	0	IAH	EWR	1400
##	83744	N24211	66	49	20	31	IAH	MFE	316
##	83750	N37419	168	150	-12	1	IAH	PHX	1009
##	83757	N76508	220	187	14	-1	IAH	LGA	1416
##	83758	N79402	150	131	-9	4	IAH	PIT	1117
##	83763	N37408	222	199	24	-1	IAH	SLC	1195
##	83764	N78501	163	145	6	7	IAH	CLE	1091
##	83765	N76522	165	132	204	196	IAH	ORD	925
##	83775	N38727	200	175	23	-6	IAH	DCA	1208
##	83777	N78524	209	180	-21	0	IAH	SNA	1347
##	83783	N37408	250	230	-6	4	IAH	SFO	1635
##	83788	N24212	212	185	-5	1	IAH	BOS	1597
##	83790	N12109	162	140	58	30	IAH	MCO	853
##	83796	N18220	200	176	-10	0	IAH	LAS	1222
##	83798	N75851	164	136	17	9	IAH	DEN	862
##	83800	N26215	185	152	30	1	IAH	DEN	862
##	83802	N33294	113	97	-2	9	IAH	TPA	787
##	83805	N33289	161	143	40	50	IAH	MSP	1034
##	83809	N33262	66	46	-2	-1	IAH	MSY	305
##	83812	N19623	183	160	-4	-7	IAH	BWI	1235
##	83815	N36247	204	178	6	10	IAH	LGA	1416
##	83819	N37277	146	125	-12	4	IAH	CLE	1091
##	83824	N37273	171	146	6	4	IAH	DCA	1208
##	83827	N17126	179	158	-1	-3	IAH	EGE	935
##	83828	N57863	310	292	115	83	IAH	SEA	1874
##	83835	N27239	219	189	19	27	IAH	BOS	1597
##	83838	N75854	125	108	116	124	IAH	MCO	853
##	83844	N78438	208	182	-3	-1	IAH	LAS	1222
##	83848	N27733	145	110	11	-9	IAH	TPA	787
##	83849	N37409	302	283	33	9	IAH	PDX	1825
##	83852	N76502	62	44	-6	-2	IAH	MSY	305
##	83859	N24706	212	190	21	4	IAH	LGA	1416
##	83863	N37420	198	181	-10	4	IAH	SAN	1303
##	83864	N37419	212	178	-4	1	IAH	SAN	1303
##	83865	N16617	53	28	-5	-2	IAH	AUS	140
##	83866	N36207	171	135	10	2	IAH	CLE	1091
##	83867	N78511	151	134	249	258	IAH	ORD	925
##	83868	N30401	215	199	10	-5	IAH	SLC	1195

##	83870	N11641	120	93	-9	-6	IAH	ATL	689
##	83873	N87513	61	47	-8	-1	IAH	MSY	305
##	83874	N53441	306	285	27	5	IAH	SEA	1874
##	83877	N33209	253	232	-7	1	IAH	SFO	1635
##	83878	N34282	270	239	-2	-2	IAH	SFO	1635
##	83879	N26208	193	158	13	11	IAH	PHL	1324
##	83884	N57855	132	112	1	2	IAH	MCO	853
##	83886	N14629	174	143	6	-1	IAH	DTW	1076
##	83888	N12216	214	192	-13	1	IAH	LAX	1379
##	83891	N57862	156	139	-8	-2	IAH	DEN	862
##	83896	N74007	182	158	12	35	IAH	EWR	1400
##	83901	N76505	176	155	9	10	IAH	PHX	1009
##	83907	N78285	127	101	0	-3	IAH	TPA	787
##	83908	N37253	187	163	-12	11	IAH	EWR	1400
##	83917	N79402	152	123	36	36	IAH	ORD	925
##	83918	N14219	137	117	-10	-4	IAH	FLL	965
##	83922	N13716	172	149	-2	1	IAH	DCA	1208
##	83925	N31412	261	235	15	14	IAH	SFO	1635
##	83928	N37290	64	42	14	12	IAH	SAT	191
##	83930	N57862	135	110	-4	0	IAH	MCO	853
##	83932	N37293	172	136	11	7	IAH	DTW	1076
##	83934	N12225	226	195	20	19	IAH	LAX	1379
##	83935	N33294	210	172	1	-2	IAH	LAS	1222
##	83937	N57868	166	135	35	21	IAH	DEN	862
##	83946	N76265	51	30	-1	5	IAH	AUS	140
##	83948	N76265	260	230	0	-1	IAH	SJC	1609
##	83949	N17627	170	139	-10	-5	IAH	PIT	1117
##	83953	N19638	73	43	4	-3	IAH	MSY	305
##	83955	N11641	140	119	-11	-5	IAH	CLT	913
##	83961	N77296	136	117	-15	-4	IAH	FLL	965
##	83965	N77525	214	194	-8	1	IAH	SNA	1347
##	83967	N16649	165	139	22	0	IAH	RSW	861
##	83974	N17245	193	166	8	7	IAH	PHL	1324
##	83976	N37267	66	40	18	12	IAH	SAT	191
##	83978	N16713	168	138	-2	1	IAH	DTW	1076
##	83981	N74856	208	186	-1	17	IAH	LAX	1379
##	83983	N77865	212	180	3	3	IAH	LAS	1222
##	83984	N78285	173	147	16	13	IAH	DCA	1208
##	83988	N35407	118	95	-9	-1	IAH	TPA	787
##	83990	N16701	223	197	-8	1	IAH	SNA	1347
##	83995	N71411	57	32	10	8	IAH	AUS	140
##	83997	N24633	67	30	15	2	IAH	AUS	140
##	83998	N17619	166	143	-2	-2	IAH	CLE	1091
##	84000	N37298	174	128	141	124	IAH	ORD	925
##	84002	N71411	165	147	19	-2	IAH	FLL	965
##	84009	N33203	128	110	-8	-6	IAH	RSW	861
##	84011	N14639	123	102	-3	0	IAH	MCI	643
##	84018	N37420	56	31	0	0	IAH	AUS	140
##	84020	N27421	127	101	-13	-3	IAH	MCO	853
##	84022	N38257	203	181	-8	4	IAH	SAN	1303
##	84023	N37290	143	116	0	0	IAH	MIA	964
##	84030	N87527	49	30	0	7	IAH	AUS	140
##	84031	N24211	213	194	-9	3	IAH	LAX	1379
##	84038	N45440	170	147	-12	2	IAH	PHX	1009

##	84039	N23708	74	55	-5	1	IAH	MFE	316
##	84040	N76288	63	45	2	7	IAH	MSY	305
##	84042	N14731	216	195	-9	2	IAH	SNA	1347
##	84043	N73275	199	174	18	16	IAH	LGA	1416
##	84046	N14604	78	57	-4	-4	IAH	MFE	316
##	84047	N33203	255	236	3	3	IAH	SMF	1609
##	84049	N30401	159	129	159	153	IAH	ORD	925
##	84050	N26208	150	117	10	6	IAH	FLL	965
##	84054	N17245	119	98	5	17	IAH	RSW	861
##	84057	N16649	119	98	-16	-2	IAH	ELP	667
##	84058	N76502	216	179	24	0	IAH	PHL	1324
##	84061	N27213	58	39	-10	-3	IAH	SAT	191
##	84066	N14653	171	139	21	23	IAH	DTW	1076
##	84067	N34282	211	187	-4	5	IAH	SAN	1303
##	84068	N11206	139	114	0	9	IAH	MIA	964
##	84072	N54241	213	194	24	42	IAH	LAX	1379
##	84077	N16646	77	52	-4	-2	IAH	MFE	316
##	84082	N14645	85	61	1	4	IAH	OKC	395
##	84084	N37277	255	231	-10	-4	IAH	SMF	1609
##	84085	N18622	143	122	-11	-4	IAH	ABQ	744
##	84086	N77258	211	186	1	3	IAH	SAN	1303
##	84088	N36280	205	187	-12	1	IAH	ONT	1334
##	84093	N37409	206	182	51	0	IAH	ORD	925
##	84094	N37413	136	114	-12	-2	IAH	FLL	965
##	84096	N14645	124	92	-5	0	IAH	ATL	689
##	84101	N75426	316	295	37	5	IAH	SEA	1874
##	84104	N37290	189	163	7	11	IAH	PHL	1324
##	84107	N33266	54	39	12	19	IAH	SAT	191
##	84108	N17620	172	137	-8	-4	IAH	TUS	936
##	84111	N17620	94	58	18	-4	IAH	DFW	224
##	84113	N33209	133	116	-8	-1	IAH	MIA	964
##	84116	N57870	218	192	5	14	IAH	LAX	1379
##	84125	N15710	225	196	6	11	IAH	SNA	1347
##	84126	N24633	64	44	-12	-7	IAH	MSY	305
##	84129	N45440	131	111	-13	-2	IAH	PBI	956
##	84131	N35260	184	164	-19	2	IAH	LGA	1416
##	84132	N87507	195	170	9	10	IAH	PHL	1324
##	84133	N14704	161	137	15	20	IAH	CLE	1091
##	84137	N32626	150	128	-10	-3	IAH	RDU	1043
##	84140	N27205	137	118	1	-1	IAH	OMA	781
##	84144	N27239	142	112	-2	-6	IAH	MCO	853
##	84146	N59630	190	174	-2	-10	IAH	HDN	986
##	84149	N24702	255	235	-2	4	IAH	SMF	1609
##	84154	N69063	501	481	-7	-3	IAH	HNL	3904
##	84159	N37267	73	46	10	6	IAH	MSY	305
##	84160	N14653	62	36	-1	-3	IAH	SAT	191
##	84170	N17614	60	44	-10	-1	IAH	MSY	305
##	84172	N17620	59	37	6	0	IAH	AUS	140
##	84178	N76515	207	184	-22	2	IAH	LAX	1379
##	84181	N17104	225	192	-3	-2	IAH	LAX	1379
##	84186	N57864	156	120	0	1	IAH	DEN	862
##	84187	N67158	184	164	-21	3	IAH	EWR	1400
##	84189	N34137	182	159	-4	26	IAH	EWR	1400
##	84193	N15712	196	171	3	-1	IAH	EWR	1400

##	84197	N67058	184	165	-18	0	IAH	EWR	1400
##	84202	N15712	70	45	5	3	IAH	MSY	305
##	84206	N37290	200	176	-20	7	IAH	LAX	1379
##	84208	N57862	143	114	-3	12	IAH	ORD	925
##	84211	N73283	188	172	-27	5	IAH	ONT	1334
##	84214	N29717	173	151	3	0	IAH	DCA	1208
##	84219	N38403	265	222	39	38	IAH	SFO	1635
##	84226	N76522	141	115	-4	-2	IAH	MIA	964
##	84231	N75861	183	163	-4	14	IAH	LAS	1222
##	84233	N79279	146	123	-15	-4	IAH	DEN	862
##	84236	N75436	119	99	-6	-1	IAH	TPA	787
##	84238	N39297	292	277	17	1	IAH	PDX	1825
##	84239	N72405	193	166	-16	5	IAH	EWR	1400
##	84241	N38417	246	217	20	19	IAH	SJU	2007
##	84246	N17139	161	143	-17	-2	IAH	PHX	1009
##	84251	N32626	161	138	-14	-1	IAH	BWI	1235
##	84255	N24706	187	168	-18	1	IAH	LGA	1416
##	84261	N27610	53	32	-4	-4	IAH	AUS	140
##	84263	N19621	149	129	-23	-3	IAH	CLE	1091
##	84266	N12218	139	119	-5	11	IAH	RDU	1043
##	84275	N14250	298	280	30	16	IAH	SEA	1874
##	84278	N53442	246	216	24	38	IAH	SFO	1635
##	84279	N34282	143	125	-11	1	IAH	DEN	862
##	84280	N24202	52	39	-2	7	IAH	SAT	191
##	84285	N37437	184	167	0	24	IAH	LAS	1222
##	84286	N39423	141	127	-10	1	IAH	DEN	862
##	84290	N77510	288	275	12	-2	IAH	PDX	1825
##	84291	N73860	185	162	-19	5	IAH	EWR	1400
##	84296	N47414	171	143	-9	1	IAH	PHX	1009
##	84298	N76269	64	46	-5	-1	IAH	MSY	305
##	84300	N79521	171	146	8	11	IAH	BWI	1235
##	84311	N16701	147	136	-18	-8	IAH	GUC	886
##	84314	N76522	156	143	-14	-5	IAH	DCA	1208
##	84321	N37298	238	217	-23	5	IAH	SFO	1635
##	84326	N11641	61	40	-5	-4	IAH	SAT	191
##	84328	N37273	204	185	-1	11	IAH	BOS	1597
##	84334	N33294	201	170	2	9	IAH	LAS	1222
##	84336	N19623	119	100	-29	-3	IAH	IND	845
##	84338	N16234	189	170	-18	2	IAH	SAN	1303
##	84339	N54241	171	149	-4	-3	IAH	IAD	1190
##	84341	N39297	161	142	-12	-1	IAH	IAD	1190
##	84343	N66057	184	158	-19	-6	IAH	EWR	1400
##	84345	N73291	164	142	-7	1	IAH	IAD	1190
##	84347	N37293	237	219	69	90	IAH	SJC	1609
##	84349	N17614	81	48	9	-3	IAH	MSY	305
##	84350	N73256	173	148	2	5	IAH	BWI	1235
##	84353	N23721	191	164	-5	0	IAH	LGA	1416
##	84357	N17620	92	65	9	4	IAH	TUL	429
##	84358	N37419	169	120	12	2	IAH	ORD	925
##	84364	N73283	157	145	-10	3	IAH	DCA	1208
##	84368	N38417	308	293	44	16	IAH	SEA	1874
##	84374	N37277	58	38	-7	1	IAH	SAT	191
##	84377	N17229	204	183	-19	1	IAH	BOS	1597
##	84382	N75858	188	171	-18	-3	IAH	LAS	1222

##	84384	N77525	143	122	-8	-1	IAH	DEN	862
##	84385	N14629	151	102	6	0	IAH	IND	845
##	84389	N36444	183	163	-6	8	IAH	EWR	1400
##	84390	N16713	70	48	5	12	IAH	MFE	316
##	84394	N75425	162	139	0	19	IAH	PHX	1009
##	84400	N33264	187	163	-16	2	IAH	LGA	1416
##	84401	N30401	142	124	9	30	IAH	PIT	1117
##	84405	N37253	191	177	-2	-1	IAH	SLC	1195
##	84406	N54711	148	130	-19	-8	IAH	CLE	1091
##	84407	N37293	150	114	-1	1	IAH	ORD	925
##	84417	N16732	156	142	-21	-6	IAH	DCA	1208
##	84422	N37409	235	210	6	31	IAH	SFO	1635
##	84427	N33286	207	176	19	30	IAH	BOS	1597
##	84428	N34137	125	106	3	7	IAH	MCO	853
##	84434	N73275	189	162	1	22	IAH	LAS	1222
##	84436	N57855	147	125	-4	5	IAH	DEN	862
##	84438	N78501	151	127	-6	-1	IAH	DEN	862
##	84440	N78509	120	101	-4	0	IAH	TPA	787
##	84443	N77296	179	154	14	6	IAH	MSP	1034
##	84447	N12218	61	46	32	38	IAH	MSY	305
##	84451	N24212	197	171	0	11	IAH	LGA	1416
##	84454	N77510	146	127	-1	15	IAH	CLE	1091
##	84458	N35260	164	142	-4	1	IAH	DCA	1208
##	84461	N17126	158	144	8	22	IAH	EGE	935
##	84462	N57852	303	285	57	32	IAH	SEA	1874
##	84465	N12225	246	221	-11	11	IAH	SFO	1635
##	84470	N17233	213	190	-6	8	IAH	BOS	1597
##	84473	N77865	128	106	-2	-2	IAH	MCO	853
##	84478	N35407	190	165	-12	8	IAH	LAS	1222
##	84482	N73406	296	272	31	13	IAH	PDX	1825
##	84485	N73291	64	46	1	-2	IAH	MSY	305
##	84492	N73270	206	181	35	24	IAH	LGA	1416
##	84495	N36207	184	168	-27	1	IAH	SAN	1303
##	84496	N75425	188	169	-13	11	IAH	SAN	1303
##	84497	N78509	50	31	-2	-1	IAH	AUS	140
##	84498	N38727	147	126	-10	6	IAH	CLE	1091
##	84499	N76254	152	121	22	30	IAH	ORD	925
##	84500	N36207	191	176	-12	-3	IAH	SLC	1195
##	84502	N16617	108	86	44	59	IAH	ATL	689
##	84503	N76519	206	183	-17	2	IAH	SNA	1347
##	84507	N18223	58	46	-2	8	IAH	MSY	305
##	84508	N27421	292	278	21	13	IAH	SEA	1874
##	84511	N26210	233	212	-26	2	IAH	SFO	1635
##	84512	N73406	255	236	-14	-1	IAH	SFO	1635
##	84517	N57857	130	107	7	10	IAH	MCO	853
##	84519	N24702	153	128	-4	1	IAH	DTW	1076
##	84522	N24202	200	178	-27	1	IAH	LAX	1379
##	84525	N74856	151	125	-4	2	IAH	DEN	862
##	84528	N77019	174	155	-23	8	IAH	EWR	1400
##	84532	N30401	158	138	17	36	IAH	PHX	1009
##	84539	N33209	127	102	9	1	IAH	TPA	787
##	84540	N16648	206	168	2	12	IAH	EWR	1400
##	84548	N57857	139	125	-2	11	IAH	ORD	925
##	84549	N76254	130	115	-7	1	IAH	FLL	965

##	84553	N15710	160	146	-3	7	IAH	DCA	1208
##	84556	N31412	249	223	-8	3	IAH	SFO	1635
##	84559	N37277	47	34	8	23	IAH	SAT	191
##	84561	N74856	128	106	-12	-1	IAH	MCO	853
##	84563	N26210	141	123	-30	-3	IAH	DTW	1076
##	84565	N78501	234	180	17	8	IAH	LAX	1379
##	84566	N34282	191	171	-11	0	IAH	LAS	1222
##	84568	N76517	156	131	3	-1	IAH	DEN	862
##	84577	N76265	52	31	13	18	IAH	AUS	140
##	84580	N73270	257	236	1	-2	IAH	SJC	1609
##	84581	N14639	165	132	-9	1	IAH	PIT	1117
##	84585	N75410	62	48	16	20	IAH	MSY	305
##	84592	N13750	144	117	0	-2	IAH	FLL	965
##	84596	N76516	192	174	-27	4	IAH	SNA	1347
##	84604	N16617	183	162	7	17	IAH	PHL	1324
##	84606	N17245	51	33	3	12	IAH	SAT	191
##	84608	N16701	181	141	10	0	IAH	DTW	1076
##	84611	N37419	202	179	-20	-1	IAH	LAX	1379
##	84613	N57439	191	170	-18	3	IAH	LAS	1222
##	84617	N38403	130	98	22	18	IAH	TPA	787
##	84619	N15710	195	172	34	71	IAH	SNA	1347
##	84625	N59630	50	30	4	8	IAH	AUS	140
##	84626	N17640	148	129	-14	-3	IAH	CLE	1091
##	84628	N54241	150	122	-1	6	IAH	ORD	925
##	84630	N77867	141	114	9	12	IAH	FLL	965
##	84633	N76519	54	28	12	14	IAH	AUS	140
##	84636	N76516	122	104	2	10	IAH	RSW	861
##	84638	N13624	120	98	-3	3	IAH	MCI	643
##	84645	N75436	45	30	-12	-6	IAH	AUS	140
##	84647	N45440	132	110	-5	0	IAH	MCO	853
##	84649	N35271	188	170	-24	3	IAH	SAN	1303
##	84650	N12238	143	112	-4	-4	IAH	MIA	964
##	84657	N14230	180	138	26	16	IAH	DCA	1208
##	84658	N75428	197	173	-18	10	IAH	LAX	1379
##	84665	N39423	163	142	-14	2	IAH	PHX	1009
##	84666	N17619	82	55	2	0	IAH	MFE	316
##	84667	N30401	62	46	3	4	IAH	MSY	305
##	84669	N24729	192	177	-23	12	IAH	SNA	1347
##	84670	N25705	202	175	6	1	IAH	LGA	1416
##	84674	N73251	235	219	-12	8	IAH	SMF	1609
##	84676	N37409	143	114	12	17	IAH	ORD	925
##	84677	N76502	139	117	-2	5	IAH	FLL	965
##	84681	N14237	128	104	-4	-1	IAH	RSW	861
##	84684	N11641	120	98	-16	-3	IAH	ELP	667
##	84685	N38443	187	164	-5	0	IAH	PHL	1324
##	84687	N19638	58	39	-11	-9	IAH	SAT	191
##	84692	N16649	166	139	7	14	IAH	DTW	1076
##	84693	N35204	188	169	-17	15	IAH	SAN	1303
##	84694	N35204	148	114	8	3	IAH	MIA	964
##	84698	N77295	204	179	-26	1	IAH	LAX	1379
##	84703	N37253	80	51	-1	-2	IAH	MFE	316
##	84707	N17619	78	58	-12	-2	IAH	OKC	395
##	84709	N24633	138	108	-14	-2	IAH	ABQ	744
##	84711	N37427	192	168	-16	5	IAH	SAN	1303

## 84713	N37267	191	174	-32	-6	IAH	ONT	1334
## 84716	N37408	52	28	5	8	IAH	AUS	140
## 84718	N35407	139	117	-11	0	IAH	ORD	925
## 84719	N39416	140	117	-3	3	IAH	FLL	965
## 84721	N14629	113	91	-18	-2	IAH	ATL	689
## 84726	N73251	299	282	25	5	IAH	SEA	1874
## 84729	N27205	181	156	19	31	IAH	PHL	1324
## 84732	N37274	57	38	-1	3	IAH	SAT	191
## 84733	N16649	160	136	-19	-8	IAH	TUS	936
## 84736	N58606	59	40	0	13	IAH	DFW	224
## 84738	N75410	139	113	3	4	IAH	MIA	964
## 84741	N77865	203	170	18	42	IAH	LAX	1379
## 84750	N17730	204	185	-22	4	IAH	SNA	1347
## 84751	N14653	65	46	-4	-5	IAH	MSY	305
## 84754	N77430	157	115	15	0	IAH	PBI	956
## 84756	N73275	181	160	-18	1	IAH	LGA	1416
## 84757	N73278	175	161	-10	11	IAH	PHL	1324
## 84758	N14704	146	125	-16	4	IAH	CLE	1091
## 84762	N14604	160	128	6	3	IAH	RDU	1043
## 84765	N11206	143	115	26	18	IAH	OMA	781
## 84770	N58606	135	110	-7	-6	IAH	MCO	853
## 84772	N33286	177	161	-2	-5	IAH	HDN	986
## 84775	N33209	252	227	-5	4	IAH	SMF	1609
## 84780	N77066	490	472	5	20	IAH	HNL	3904
## 84785	N35204	60	45	-2	2	IAH	MSY	305
## 84794	N36444	59	44	-9	-6	IAH	MSY	305
## 84796	N73270	59	37	13	2	IAH	AUS	140
## 84804	N14118	203	182	-21	-3	IAH	LAX	1379
## 84809	N75428	141	121	-5	6	IAH	DEN	862
## 84810	N69154	198	177	21	23	IAH	EWR	1400
## 84812	N33103	185	169	28	47	IAH	EWR	1400
## 84817	N76064	191	168	34	35	IAH	EWR	1400
## 84820	N66051	195	179	-6	1	IAH	EWR	1400
## 84826	N79279	204	178	-19	4	IAH	LAX	1379
## 84828	N57862	163	127	17	7	IAH	ORD	925
## 84831	N26210	192	169	-22	6	IAH	ONT	1334
## 84837	N71411	243	218	-5	16	IAH	SFO	1635
## 84843	N14250	137	112	0	1	IAH	MIA	964
## 84849	N39415	191	164	4	15	IAH	LAS	1222
## 84851	N78501	151	121	-6	0	IAH	DEN	862
## 84854	N18622	123	98	-1	-2	IAH	TPA	787
## 84856	N27724	282	260	11	0	IAH	PDX	1825
## 84857	N35271	214	171	8	0	IAH	EWR	1400
## 84859	N37437	241	224	13	17	IAH	SJU	2007
## 84861	N34131	160	133	-14	2	IAH	PHX	1009
## 84865	N14604	167	146	-11	-4	IAH	BWI	1235
## 84871	N79521	52	31	5	1	IAH	AUS	140
## 84872	N17730	160	134	-1	-3	IAH	CLE	1091
## 84875	N33289	150	126	17	17	IAH	RDU	1043
## 84877	N76516	178	157	7	-5	IAH	DCA	1208
## 84881	N24224	299	277	19	-1	IAH	SEA	1874
## 84884	N14230	245	226	-15	0	IAH	SFO	1635
## 84885	N14214	160	131	17	8	IAH	DEN	862
## 84888	N17244	60	42	-2	-1	IAH	SAT	191

##	84889	N33264	223	199	4	-3	IAH	BOS	1597
##	84895	N76254	182	165	-20	6	IAH	LAS	1222
##	84896	N37273	144	117	9	12	IAH	DEN	862
##	84900	N12238	280	262	6	0	IAH	PDX	1825
##	84901	N73860	176	157	-3	22	IAH	EWR	1400
##	84906	N37409	158	135	-15	3	IAH	PHX	1009
##	84908	N75428	60	45	-5	-2	IAH	MSY	305
##	84910	N59630	166	140	-13	-6	IAH	BWI	1235
##	84914	N13750	207	185	4	0	IAH	LGA	1416
##	84919	N38727	144	126	24	37	IAH	GUC	886
##	84922	N23708	158	141	-12	-8	IAH	DCA	1208
##	84929	N17245	250	225	6	17	IAH	SFO	1635
##	84933	N38268	56	38	27	28	IAH	SAT	191
##	84934	N37263	209	191	-7	0	IAH	BOS	1597
##	84939	N87513	196	172	-5	5	IAH	LAS	1222
##	84942	N37273	160	140	29	41	IAH	IAD	1190
##	84943	N78060	197	177	13	13	IAH	EWR	1400
##	84945	N39297	175	150	4	1	IAH	IAD	1190
##	84948	N79521	238	217	-13	2	IAH	SJC	1609
##	84950	N37293	65	43	3	2	IAH	MSY	305
##	84951	N14237	185	149	19	5	IAH	BWI	1235
##	84953	N39728	199	184	39	40	IAH	LGA	1416
##	84957	N75861	136	115	5	23	IAH	ORD	925
##	84959	N33284	150	132	-6	-6	IAH	ORD	925
##	84963	N24202	164	140	-6	-5	IAH	DCA	1208
##	84966	N38443	298	285	43	20	IAH	SEA	1874
##	84972	N73270	59	38	-4	-2	IAH	SAT	191
##	84973	N33284	219	195	-4	-4	IAH	BOS	1597
##	84977	N57863	185	163	-17	1	IAH	LAS	1222
##	84979	N37267	130	115	-15	5	IAH	DEN	862
##	84980	N58606	137	112	-7	-4	IAH	IND	845
##	84984	N73283	194	177	-1	2	IAH	EWR	1400
##	84985	N12218	80	55	12	4	IAH	MFE	316
##	84988	N38424	148	133	-31	-3	IAH	PHX	1009
##	84995	N24702	213	187	13	0	IAH	LGA	1416
##	84996	N57439	171	138	12	-1	IAH	PIT	1117
##	84999	N37408	189	175	-1	2	IAH	SLC	1195
##	85000	N16649	175	151	7	-5	IAH	CLE	1091
##	85001	N37252	144	128	-6	2	IAH	ORD	925
##	85009	N16701	170	149	2	-2	IAH	DCA	1208
##	85011	N16709	197	178	-26	2	IAH	SNA	1347
##	85015	N35407	236	215	0	19	IAH	SFO	1635
##	85018	N14645	219	191	4	-2	IAH	BOS	1597
##	85019	N33103	133	113	4	0	IAH	MCO	853
##	85024	N39415	198	171	-7	0	IAH	LAS	1222
##	85026	N57857	145	124	-5	1	IAH	DEN	862
##	85028	N77520	151	126	10	11	IAH	DEN	862
##	85030	N75436	128	100	8	-1	IAH	TPA	787
##	85033	N27205	156	137	-5	5	IAH	MSP	1034
##	85035	N11641	177	152	-4	-6	IAH	BWI	1235
##	85038	N13624	216	185	11	-2	IAH	LGA	1416
##	85043	N27213	159	136	4	0	IAH	CLE	1091
##	85047	N24706	162	136	26	28	IAH	DCA	1208
##	85050	N14118	163	146	-8	1	IAH	EGE	935

##	85051	N77867	275	258	68	66	IAH	SEA	1874
##	85056	N73299	215	191	-6	1	IAH	BOS	1597
##	85058	N53442	133	110	8	3	IAH	MCO	853
##	85064	N77871	193	168	-8	4	IAH	LAS	1222
##	85068	N25705	129	100	9	0	IAH	TPA	787
##	85069	N37408	292	263	29	10	IAH	PDX	1825
##	85074	N76522	62	45	-2	-3	IAH	MSY	305
##	85081	N37274	199	179	21	12	IAH	LGA	1416
##	85085	N75426	183	167	-24	0	IAH	SAN	1303
##	85086	N38417	187	168	-24	1	IAH	SAN	1303
##	85087	N35271	46	30	16	21	IAH	AUS	140
##	85088	N73276	163	141	45	38	IAH	CLE	1091
##	85089	N53441	156	127	6	5	IAH	ORD	925
##	85090	N38727	188	171	-6	1	IAH	SLC	1195
##	85092	N19623	115	88	-10	-8	IAH	ATL	689
##	85095	N73256	63	44	-2	-2	IAH	MSY	305
##	85096	N75433	290	273	15	4	IAH	SEA	1874
##	85099	N76505	241	216	-9	6	IAH	SFO	1635
##	85100	N73251	252	226	-17	-1	IAH	SFO	1635
##	85104	N74856	125	105	0	3	IAH	MCO	853
##	85106	N17614	166	141	2	-2	IAH	DTW	1076
##	85107	N17244	199	180	-27	-3	IAH	LAX	1379
##	85109	N77865	164	120	5	-2	IAH	DEN	862
##	85111	N78004	185	162	125	137	IAH	EWR	1400
##	85118	N24729	111	96	9	17	IAH	TPA	787
##	85119	N38268	196	167	3	9	IAH	EWR	1400
##	85128	N12218	133	111	-7	-2	IAH	FLL	965
##	85134	N72405	243	216	-5	7	IAH	SFO	1635
##	85136	N12218	58	40	1	0	IAH	SAT	191
##	85138	N77865	131	110	-3	0	IAH	MCO	853
##	85140	N14653	175	145	7	-1	IAH	DTW	1076
##	85142	N36272	214	182	-6	1	IAH	LAX	1379
##	85143	N14214	188	164	-11	3	IAH	LAS	1222
##	85151	N37267	49	27	31	34	IAH	AUS	140
##	85153	N37274	238	220	-13	3	IAH	SJC	1609
##	85154	N14639	168	138	-6	-4	IAH	PIT	1117
##	85158	N24212	61	43	-2	-2	IAH	MSY	305
##	85160	N17640	135	118	-2	4	IAH	CLT	913
##	85165	N33292	137	120	6	11	IAH	FLL	965
##	85168	N19623	132	111	-11	-5	IAH	RSW	861
##	85174	N23721	183	166	3	7	IAH	PHL	1324
##	85176	N37437	59	39	21	17	IAH	SAT	191
##	85180	N73860	206	183	-10	5	IAH	LAX	1379
##	85183	N71411	118	96	7	10	IAH	TPA	787
##	85188	N19638	55	31	0	-6	IAH	AUS	140
##	85189	N16617	163	142	1	-3	IAH	CLE	1091
##	85191	N33209	142	118	15	26	IAH	ORD	925
##	85193	N30401	128	114	22	33	IAH	FLL	965
##	85197	N24633	131	108	7	4	IAH	RSW	861
##	85199	N32626	128	92	9	2	IAH	MCI	643
##	85206	N18622	53	29	8	6	IAH	AUS	140
##	85208	N39423	131	110	3	4	IAH	MCO	853
##	85210	N37290	195	173	-14	1	IAH	SAN	1303
##	85211	N17233	141	116	-4	-2	IAH	MIA	964

##	85219	N13750	51	27	1	1	IAH	AUS	140
##	85220	N38443	196	178	-16	8	IAH	LAX	1379
##	85227	N75425	155	135	-10	14	IAH	PHX	1009
##	85228	N24706	79	59	2	-2	IAH	MFE	316
##	85229	N76505	60	44	-6	-3	IAH	MSY	305
##	85232	N16713	246	224	6	10	IAH	SMF	1609
##	85234	N38424	134	118	-1	13	IAH	ORD	925
##	85235	N24202	42	28	-9	-1	IAH	AUS	140
##	85236	N17233	145	127	7	3	IAH	FLL	965
##	85239	N78511	128	104	2	0	IAH	RSW	861
##	85241	N27610	111	90	-21	-4	IAH	ELP	667
##	85244	N24633	55	37	-5	0	IAH	SAT	191
##	85247	N37281	207	179	-4	4	IAH	SAN	1303
##	85248	N87513	136	115	-8	-1	IAH	MIA	964
##	85251	N16217	207	184	-6	13	IAH	LAX	1379
##	85255	N15710	80	55	5	-1	IAH	MFE	316
##	85259	N17614	84	60	-1	-2	IAH	OKC	395
##	85261	N35260	237	223	-16	3	IAH	SMF	1609
##	85262	N16617	134	105	-1	10	IAH	ABQ	744
##	85264	N78501	190	169	-14	4	IAH	SAN	1303
##	85265	N76522	67	45	10	-2	IAH	SAT	191
##	85266	N73291	158	140	-9	2	IAH	MTJ	926
##	85269	N76265	203	176	-17	-3	IAH	ONT	1334
##	85272	N37409	151	131	0	-1	IAH	ORD	925
##	85273	N75425	140	116	22	23	IAH	FLL	965
##	85277	N11206	283	262	12	8	IAH	SEA	1874
##	85280	N33286	187	159	9	10	IAH	PHL	1324
##	85283	N24729	58	39	3	1	IAH	SAT	191
##	85284	N14629	154	129	-23	-6	IAH	TUS	936
##	85286	N19621	73	50	10	4	IAH	DFW	224
##	85287	N76514	131	115	-8	1	IAH	MIA	964
##	85290	N75851	204	175	-13	5	IAH	LAX	1379
##	85297	N14704	198	180	-18	9	IAH	SNA	1347
##	85298	N58606	62	42	-4	-2	IAH	MSY	305
##	85301	N39418	144	117	5	-2	IAH	PBI	956
##	85303	N76288	201	173	24	14	IAH	PHL	1324
##	85306	N24212	149	130	2	1	IAH	RDU	1043
##	85309	N16234	124	103	-10	-1	IAH	OMA	781
##	85314	N16701	122	108	-15	-4	IAH	MCO	853
##	85316	N27213	165	150	-9	0	IAH	HDN	986
##	85319	N73251	242	225	-4	10	IAH	SMF	1609
##	85323	N67058	469	452	76	112	IAH	HNL	3904
##	85328	N37252	61	44	11	19	IAH	MSY	305
##	85329	N11206	61	42	-1	-2	IAH	SAT	191
##	85339	N32626	62	44	-10	-3	IAH	MSY	305
##	85341	N33292	56	35	3	0	IAH	AUS	140
##	85349	N27205	214	182	-8	9	IAH	LAX	1379
##	85352	N14115	216	181	-2	3	IAH	LAX	1379
##	85357	N57439	146	124	-2	9	IAH	DEN	862
##	85358	N58101	239	217	33	2	IAH	EWR	1400
##	85360	N14121	197	173	23	38	IAH	EWR	1400
##	85366	N37253	213	192	11	-2	IAH	EWR	1400
##	85369	N76269	210	186	2	2	IAH	EWR	1400
##	85378	N78501	211	182	-8	8	IAH	LAX	1379

##	85380	N57852	155	131	12	15	IAH	ORD	925
##	85383	N14250	192	172	-14	14	IAH	ONT	1334
##	85386	N13718	164	150	-6	0	IAH	DCA	1208
##	85391	N31412	242	218	-25	2	IAH	SFO	1635
##	85398	N35271	135	116	-5	3	IAH	MIA	964
##	85404	N75861	194	171	-12	0	IAH	LAS	1222
##	85406	N24729	158	125	-1	3	IAH	DEN	862
##	85411	N71411	120	102	5	9	IAH	TPA	787
##	85414	N17719	280	266	48	44	IAH	PDX	1825
##	85415	N37419	207	178	5	12	IAH	EWR	1400
##	85417	N53442	255	230	22	17	IAH	SJU	2007
##	85423	N13113	165	146	6	22	IAH	PHX	1009
##	85429	N14604	179	158	-2	-2	IAH	BWI	1235
##	85433	N36272	199	180	-14	-2	IAH	LGA	1416
##	85440	N16647	59	34	24	18	IAH	AUS	140
##	85442	N17620	161	141	-9	-1	IAH	CLE	1091
##	85445	N73283	135	122	-23	1	IAH	RDU	1043
##	85452	N79521	179	155	1	-7	IAH	DCA	1208
##	85456	N18243	285	269	4	3	IAH	SEA	1874
##	85459	N75436	245	218	-14	6	IAH	SFO	1635
##	85460	N24212	145	121	-8	2	IAH	DEN	862
##	85463	N35271	58	41	-9	-1	IAH	SAT	191
##	85464	N37263	226	198	7	2	IAH	BOS	1597
##	85471	N77431	188	170	-25	0	IAH	LAS	1222
##	85473	N37437	142	120	-3	7	IAH	DEN	862
##	85478	N27239	293	259	38	24	IAH	PDX	1825
##	85479	N57852	174	157	112	147	IAH	EWR	1400
##	85484	N39416	158	142	-14	9	IAH	PHX	1009
##	85486	N73276	59	43	-7	2	IAH	MSY	305
##	85488	N76516	166	150	-8	0	IAH	BWI	1235
##	85492	N37267	210	184	0	-2	IAH	LGA	1416
##	85504	N23721	173	150	2	-1	IAH	DCA	1208
##	85512	N33284	233	217	-28	5	IAH	SFO	1635
##	85518	N62631	72	42	4	-6	IAH	SAT	191
##	85520	N33262	221	190	5	5	IAH	BOS	1597
##	85526	N24224	187	168	-13	11	IAH	LAS	1222
##	85528	N16617	138	112	-12	-8	IAH	IND	845
##	85530	N17229	195	178	-19	0	IAH	SAN	1303
##	85531	N24212	184	159	7	-5	IAH	IAD	1190
##	85533	N12218	174	149	0	-2	IAH	IAD	1190
##	85535	N76054	209	177	7	3	IAH	EWR	1400
##	85537	N33286	162	135	40	50	IAH	IAD	1190
##	85540	N77520	235	214	-18	5	IAH	SJC	1609
##	85542	N37263	66	45	-2	1	IAH	MSY	305
##	85543	N76502	163	145	-5	8	IAH	BWI	1235
##	85546	N29717	199	175	1	3	IAH	LGA	1416
##	85550	N16648	96	64	14	5	IAH	TUL	429
##	85551	N57862	151	128	-3	5	IAH	ORD	925
##	85553	N16701	163	137	3	-6	IAH	ORD	925
##	85558	N14250	170	155	3	3	IAH	DCA	1208
##	85562	N75436	274	259	3	9	IAH	SEA	1874
##	85568	N35260	70	42	10	6	IAH	SAT	191
##	85571	N76529	221	194	2	5	IAH	BOS	1597
##	85576	N78866	192	169	-14	2	IAH	LAS	1222

##	85578	N38443	143	123	-5	7	IAH	DEN	862
##	85579	N12238	130	110	-6	9	IAH	IND	845
##	85585	N77430	196	171	-8	1	IAH	EWR	1400
##	85586	N16234	81	58	5	1	IAH	MFE	316
##	85592	N75435	171	141	-7	3	IAH	PHX	1009
##	85599	N37293	198	179	-7	0	IAH	LGA	1416
##	85600	N37408	159	143	-1	3	IAH	PIT	1117
##	85605	N38403	183	170	-3	11	IAH	SLC	1195
##	85606	N17619	182	152	14	-4	IAH	CLE	1091
##	85607	N78511	155	133	0	2	IAH	ORD	925
##	85617	N15712	155	142	-18	-2	IAH	DCA	1208
##	85624	N35407	237	214	-10	13	IAH	SFO	1635
##	85629	N36272	210	189	-8	0	IAH	BOS	1597
##	85631	N14121	140	112	14	8	IAH	MCO	853
##	85637	N12218	183	158	96	123	IAH	LAS	1222
##	85639	N74856	141	124	-12	3	IAH	DEN	862
##	85641	N36207	147	127	-5	4	IAH	DEN	862
##	85643	N14237	119	98	9	14	IAH	TPA	787
##	85646	N33292	162	146	12	21	IAH	MSP	1034
##	85650	N76265	70	54	16	13	IAH	MSY	305
##	85653	N27724	176	159	-1	-2	IAH	BWI	1235
##	85656	N76522	204	180	-5	-1	IAH	LGA	1416
##	85660	N78506	141	128	-21	0	IAH	CLE	1091
##	85665	N23708	154	137	-6	9	IAH	DCA	1208
##	85668	N34131	161	140	-18	-2	IAH	EGE	935
##	85669	N57855	279	259	5	4	IAH	SEA	1874
##	85672	N38443	236	214	-28	4	IAH	SFO	1635
##	85677	N12216	223	192	-4	0	IAH	BOS	1597
##	85680	N75435	124	104	-1	8	IAH	MCO	853
##	85686	N72405	191	168	-18	1	IAH	LAS	1222
##	85690	N16713	124	100	0	1	IAH	TPA	787
##	85691	N38403	279	255	3	2	IAH	PDX	1825
##	85694	N24706	62	43	-8	-4	IAH	MSY	305
##	85701	N24633	209	180	16	2	IAH	LGA	1416
##	85705	N33209	187	172	-21	4	IAH	SAN	1303
##	85706	N75425	193	175	-26	-2	IAH	SAN	1303
##	85707	N14228	56	33	-5	-5	IAH	AUS	140
##	85708	N87513	150	133	-13	0	IAH	CLE	1091
##	85709	N87527	144	127	-11	5	IAH	ORD	925
##	85710	N24702	182	168	-22	-4	IAH	SLC	1195
##	85712	N17640	154	90	26	-5	IAH	ATL	689
##	85713	N87512	215	196	-4	11	IAH	SNA	1347
##	85717	N26215	62	45	-3	3	IAH	MSY	305
##	85718	N73860	271	253	3	16	IAH	SEA	1874
##	85721	N37290	239	218	-16	6	IAH	SFO	1635
##	85722	N24224	257	227	-7	6	IAH	SFO	1635
##	85723	N14230	196	173	1	-4	IAH	PHL	1324
##	85728	N75853	126	105	-10	-3	IAH	MCO	853
##	85730	N19623	171	146	2	-2	IAH	DTW	1076
##	85733	N73251	206	185	-15	7	IAH	LAX	1379
##	85736	N57857	143	122	14	33	IAH	DEN	862
##	85742	N78003	195	168	-6	4	IAH	EWR	1400
##	85746	N32404	174	137	5	8	IAH	PHX	1009
##	85752	N79279	130	107	6	0	IAH	TPA	787

##	85753	N34222	203	172	-4	3	IAH	EWR	1400
##	85762	N37408	142	121	-4	6	IAH	ORD	925
##	85763	N78501	134	111	-7	2	IAH	FLL	965
##	85767	N25705	170	156	-10	-5	IAH	DCA	1208
##	85770	N75410	228	214	-26	6	IAH	SFO	1635
##	85773	N16648	63	39	1	0	IAH	SAT	191
##	85775	N57863	124	105	-6	9	IAH	MCO	853
##	85777	N38257	167	146	-1	0	IAH	DTW	1076
##	85779	N38257	224	182	18	19	IAH	LAX	1379
##	85780	N33292	199	169	-7	1	IAH	LAS	1222
##	85782	N27239	143	124	28	37	IAH	DEN	862
##	85791	N76265	46	30	-11	0	IAH	AUS	140
##	85793	N73270	243	225	-11	5	IAH	SJC	1609
##	85794	N16646	157	136	-19	-1	IAH	PIT	1117
##	85798	N26215	65	44	8	9	IAH	MSY	305
##	85800	N17640	147	122	-2	-3	IAH	CLT	913
##	85806	N37287	136	114	-10	1	IAH	FLL	965
##	85810	N76514	204	171	-18	1	IAH	SNA	1347
##	85812	N19638	128	105	-18	-3	IAH	RSW	861
##	85819	N33289	190	174	6	8	IAH	PHL	1324
##	85821	N14219	60	40	14	14	IAH	SAT	191
##	85823	N15710	160	136	-3	8	IAH	DTW	1076
##	85826	N57864	215	190	-10	1	IAH	LAX	1379
##	85828	N33266	188	165	-25	-1	IAH	LAS	1222
##	85832	N31412	120	96	-9	-3	IAH	TPA	787
##	85834	N39726	201	181	-30	1	IAH	SNA	1347
##	85839	N37409	56	33	2	1	IAH	AUS	140
##	85841	N14653	56	32	-2	-4	IAH	AUS	140
##	85842	N78524	173	153	8	1	IAH	CLE	1091
##	85844	N17233	163	137	15	9	IAH	ORD	925
##	85846	N32404	134	113	-7	3	IAH	FLL	965
##	85850	N76508	171	152	5	4	IAH	DCA	1208
##	85854	N76514	122	104	-5	3	IAH	RSW	861
##	85856	N78509	110	90	-13	3	IAH	MCI	643
##	85863	N17719	54	33	-4	-2	IAH	AUS	140
##	85865	N78511	147	107	33	23	IAH	MCO	853
##	85867	N73278	192	174	-18	5	IAH	SAN	1303
##	85868	N76265	149	117	6	0	IAH	MIA	964
##	85876	N35204	69	36	21	8	IAH	AUS	140
##	85877	N76505	207	187	-12	6	IAH	LAX	1379
##	85884	N36444	166	144	-17	1	IAH	PHX	1009
##	85885	N15710	77	58	-4	-1	IAH	MFE	316
##	85886	N14219	61	47	-8	-1	IAH	MSY	305
##	85888	N17719	211	188	-16	0	IAH	SNA	1347
##	85889	N19638	221	182	19	1	IAH	LGA	1416
##	85892	N16617	72	53	-13	-7	IAH	MFE	316
##	85893	N76516	243	225	-8	4	IAH	SMF	1609
##	85895	N35407	151	128	11	13	IAH	ORD	925
##	85896	N14230	132	115	-10	4	IAH	FLL	965
##	85900	N37281	123	103	-3	5	IAH	RSW	861
##	85903	N33262	107	88	115	141	IAH	ELP	667
##	85904	N39423	192	174	3	3	IAH	PHL	1324
##	85907	N16647	58	37	-8	-1	IAH	SAT	191
##	85912	N59630	166	138	-15	-8	IAH	DTW	1076

##	85913	N73299	191	169	-23	6	IAH	SAN	1303
##	85914	N73299	133	112	-13	2	IAH	MIA	964
##	85918	N73259	236	186	1	-4	IAH	LAX	1379
##	85923	N25705	68	51	-10	1	IAH	MFE	316
##	85928	N14645	77	60	-6	5	IAH	OKC	395
##	85930	N39415	243	222	-4	14	IAH	SMF	1609
##	85931	N58606	162	112	19	7	IAH	ABQ	744
##	85932	N16217	190	169	-16	7	IAH	SAN	1303
##	85934	N37252	195	178	-6	21	IAH	ONT	1334
##	85939	N72405	153	129	-4	-2	IAH	ORD	925
##	85940	N26226	128	115	-9	9	IAH	FLL	965
##	85942	N24633	122	94	-8	-1	IAH	ATL	689
##	85947	N16217	295	274	12	1	IAH	SEA	1874
##	85950	N38417	189	158	-3	1	IAH	PHL	1324
##	85953	N37274	63	43	13	11	IAH	SAT	191
##	85954	N17620	159	135	1	18	IAH	TUS	936
##	85957	N14613	80	48	2	-6	IAH	DFW	224
##	85959	N14219	132	114	-8	0	IAH	MIA	964
##	85962	N57857	219	180	-2	6	IAH	LAX	1379
##	85971	N21723	194	177	-30	6	IAH	SNA	1347
##	85972	N16648	67	43	9	11	IAH	MSY	305
##	85975	N75429	142	115	-2	-2	IAH	PBI	956
##	85977	N33264	198	181	-7	0	IAH	LGA	1416
##	85978	N33294	181	170	-15	0	IAH	PHL	1324
##	85979	N23707	159	139	-9	-2	IAH	CLE	1091
##	85983	N38424	153	132	-2	2	IAH	RDU	1043
##	85986	N76254	124	108	5	16	IAH	OMA	781
##	85991	N11206	128	105	-9	1	IAH	MCO	853
##	85993	N14645	178	150	-11	-7	IAH	HDN	986
##	85996	N38727	253	230	-10	-2	IAH	SMF	1609
##	86001	N76065	499	478	-2	4	IAH	HNL	3904
##	86006	N13248	62	46	-7	0	IAH	MSY	305
##	86007	N16217	55	37	-1	4	IAH	SAT	191
##	86017	N16646	69	49	-3	-3	IAH	MSY	305
##	86019	N26226	50	30	-2	1	IAH	AUS	140
##	86027	N76515	202	177	-9	20	IAH	LAX	1379
##	86030	N19117	213	187	-14	-1	IAH	LAX	1379
##	86035	N57852	161	131	15	11	IAH	DEN	862
##	86036	N33132	192	173	-14	2	IAH	EWR	1400
##	86038	N57869	204	176	10	18	IAH	EWR	1400
##	86044	N66056	177	156	115	138	IAH	EWR	1400
##	86048	N69059	206	175	11	15	IAH	EWR	1400
##	86054	N73283	70	48	-2	-4	IAH	MSY	305
##	86058	N54241	221	188	9	15	IAH	LAX	1379
##	86060	N75861	159	135	3	2	IAH	ORD	925
##	86063	N36207	210	180	-3	7	IAH	ONT	1334
##	86066	N16701	176	154	8	2	IAH	DCA	1208
##	86071	N31412	270	239	75	74	IAH	SFO	1635
##	86078	N33264	136	112	3	10	IAH	MIA	964
##	86084	N56859	192	167	-13	1	IAH	LAS	1222
##	86086	N76508	159	128	-3	0	IAH	DEN	862
##	86091	N39418	114	94	-7	3	IAH	TPA	787
##	86094	N87513	284	262	6	-2	IAH	PDX	1825
##	86095	N79402	201	174	-8	5	IAH	EWR	1400

##	86097	N75435	242	223	-6	2	IAH	SJU	2007
##	86103	N19141	167	138	-13	1	IAH	PHX	1009
##	86109	N58606	176	151	-3	0	IAH	BWI	1235
##	86113	N37273	194	167	-13	4	IAH	LGA	1416
##	86120	N14628	58	28	10	5	IAH	AUS	140
##	86122	N16648	200	148	25	-6	IAH	CLE	1091
##	86125	N25705	161	138	17	11	IAH	RDU	1043
##	86132	N87527	162	143	-14	-5	IAH	DCA	1208
##	86136	N75429	286	262	17	15	IAH	SEA	1874
##	86139	N57439	254	228	29	40	IAH	SFO	1635
##	86140	N14230	159	136	9	5	IAH	DEN	862
##	86143	N73275	52	34	-12	2	IAH	SAT	191
##	86144	N76265	218	193	-3	0	IAH	BOS	1597
##	86151	N38424	200	170	-3	10	IAH	LAS	1222
##	86153	N77431	142	126	-6	4	IAH	DEN	862
##	86158	N14228	290	262	12	1	IAH	PDX	1825
##	86159	N77865	196	173	-1	12	IAH	EWR	1400
##	86164	N27421	167	137	0	14	IAH	PHX	1009
##	86166	N37267	71	50	3	0	IAH	MSY	305
##	86168	N78524	168	147	9	15	IAH	BWI	1235
##	86172	N73276	188	168	-22	-2	IAH	LGA	1416
##	86183	N13750	170	143	14	1	IAH	GUC	886
##	86186	N38727	169	149	-4	-3	IAH	DCA	1208
##	86194	N24212	259	231	69	76	IAH	SFO	1635
##	86200	N17640	66	40	6	2	IAH	SAT	191
##	86202	N36272	211	193	-7	3	IAH	BOS	1597
##	86208	N32404	202	173	-10	-1	IAH	LAS	1222
##	86210	N73283	144	121	2	0	IAH	IND	845
##	86212	N37277	195	172	-23	-4	IAH	SAN	1303
##	86213	N23707	175	149	2	-1	IAH	IAD	1190
##	86215	N12216	185	155	12	-1	IAH	IAD	1190
##	86217	N78509	193	165	-8	4	IAH	EWR	1400
##	86219	N27205	183	155	17	6	IAH	IAD	1190
##	86222	N76514	251	226	1	8	IAH	SJC	1609
##	86224	N33289	64	46	12	17	IAH	MSY	305
##	86225	N14214	179	156	10	7	IAH	BWI	1235
##	86228	N15710	192	169	-12	-3	IAH	LGA	1416
##	86232	N32626	87	67	-5	-5	IAH	TUL	429
##	86233	N75853	160	133	2	1	IAH	ORD	925
##	86235	N37267	166	134	10	-2	IAH	ORD	925
##	86240	N38257	167	149	-4	-1	IAH	DCA	1208
##	86244	N37419	280	264	31	31	IAH	SEA	1874
##	86250	N26226	56	37	-3	7	IAH	SAT	191
##	86253	N87507	222	200	-1	1	IAH	BOS	1597
##	86258	N75851	189	168	-7	12	IAH	LAS	1222
##	86260	N76269	145	129	22	32	IAH	DEN	862
##	86261	N17620	144	117	-9	-8	IAH	IND	845
##	86267	N37422	187	163	-2	16	IAH	EWR	1400
##	86268	N78524	72	52	-6	-1	IAH	MFE	316
##	86274	N78438	166	142	-12	3	IAH	PHX	1009
##	86280	N37263	188	172	-4	13	IAH	LGA	1416
##	86281	N38403	175	146	13	1	IAH	PIT	1117
##	86286	N32404	194	172	-3	0	IAH	SLC	1195
##	86287	N27724	163	141	-4	-3	IAH	CLE	1091

##	86288	N37293	156	134	0	1	IAH	ORD	925
##	86298	N39726	172	154	-9	-10	IAH	DCA	1208
##	86305	N57857	280	247	51	31	IAH	SFO	1635
##	86310	N17245	236	198	50	32	IAH	BOS	1597
##	86312	N34131	122	101	-11	1	IAH	MCO	853
##	86318	N77296	197	174	-11	2	IAH	LAS	1222
##	86320	N77871	159	127	8	5	IAH	DEN	862
##	86322	N33289	157	133	2	1	IAH	DEN	862
##	86324	N12238	125	97	7	6	IAH	TPA	787
##	86327	N73299	187	158	12	-4	IAH	MSP	1034
##	86331	N73270	74	47	4	-3	IAH	MSY	305
##	86334	N16648	179	153	-2	-1	IAH	BWI	1235
##	86337	N76502	198	177	-12	-2	IAH	LGA	1416
##	86341	N37255	159	140	8	11	IAH	CLE	1091
##	86346	N13750	176	155	8	1	IAH	DCA	1208
##	86349	N34131	150	132	148	175	IAH	EGE	935
##	86350	N57863	284	259	14	8	IAH	SEA	1874
##	86353	N37427	259	238	90	99	IAH	SFO	1635
##	86358	N76505	231	206	20	16	IAH	BOS	1597
##	86361	N57857	125	101	-6	2	IAH	MCO	853
##	86367	N72405	197	170	-12	1	IAH	LAS	1222
##	86371	N24715	115	93	-11	-1	IAH	TPA	787
##	86372	N75425	280	258	3	1	IAH	PDX	1825
##	86375	N12238	61	45	-9	-4	IAH	MSY	305
##	86382	N76269	195	177	-1	-1	IAH	LGA	1416
##	86386	N77430	189	172	-15	8	IAH	SAN	1303
##	86387	N78438	183	168	-36	-2	IAH	SAN	1303
##	86388	N17229	58	28	1	-1	IAH	AUS	140
##	86389	N12225	174	145	11	0	IAH	CLE	1091
##	86390	N76526	166	139	8	2	IAH	ORD	925
##	86391	N38257	196	176	-1	3	IAH	SLC	1195
##	86393	N16646	132	93	7	-2	IAH	ATL	689
##	86394	N37287	197	172	-34	-1	IAH	SNA	1347
##	86398	N78501	71	49	39	36	IAH	MSY	305
##	86399	N33203	304	271	22	2	IAH	SEA	1874
##	86402	N14250	292	229	86	55	IAH	SFO	1635
##	86403	N14214	257	227	-13	0	IAH	SFO	1635
##	86404	N16217	192	160	2	1	IAH	PHL	1324
##	86409	N78866	125	103	-10	-2	IAH	MCO	853
##	86411	N24633	190	158	21	-2	IAH	DTW	1076
##	86414	N26210	206	183	-8	14	IAH	LAX	1379
##	86417	N57864	164	131	2	0	IAH	DEN	862
##	86423	N78013	189	162	-1	15	IAH	EWR	1400
##	86428	N35407	158	139	-13	6	IAH	PHX	1009
##	86434	N36207	114	93	-14	-4	IAH	TPA	787
##	86435	N17233	209	173	6	7	IAH	EWR	1400
##	86444	N38403	143	127	-2	7	IAH	ORD	925
##	86445	N33203	134	113	-11	-2	IAH	FLL	965
##	86449	N13718	174	157	-6	-5	IAH	DCA	1208
##	86452	N75410	253	230	64	71	IAH	SFO	1635
##	86455	N17245	58	35	-6	-2	IAH	SAT	191
##	86457	N57864	130	106	-6	3	IAH	MCO	853
##	86459	N78506	180	150	8	-4	IAH	DTW	1076
##	86461	N78506	212	188	-2	11	IAH	LAX	1379

##	86462	N26226	193	162	-17	-3	IAH	LAS	1222
##	86464	N17244	154	130	31	29	IAH	DEN	862
##	86473	N35260	52	28	3	8	IAH	AUS	140
##	86475	N35260	244	224	-16	-1	IAH	SJC	1609
##	86476	N58606	172	152	-11	-8	IAH	PIT	1117
##	86480	N12216	63	45	-2	1	IAH	MSY	305
##	86482	N17620	138	115	-12	-4	IAH	CLT	913
##	86488	N12221	134	112	-12	1	IAH	FLL	965
##	86492	N76529	202	182	-18	3	IAH	SNA	1347
##	86494	N19638	122	102	-21	0	IAH	RSW	861
##	86501	N33294	191	169	28	29	IAH	PHL	1324
##	86503	N75435	55	37	8	13	IAH	SAT	191
##	86505	N73270	172	142	6	5	IAH	DTW	1076
##	86508	N77865	197	176	-15	14	IAH	LAX	1379
##	86510	N73275	198	173	-17	-3	IAH	LAS	1222
##	86511	N79279	175	152	8	3	IAH	DCA	1208
##	86515	N30401	127	96	12	11	IAH	TPA	787
##	86517	N13718	223	187	-13	-4	IAH	SNA	1347
##	86522	N31412	49	28	0	6	IAH	AUS	140
##	86524	N62631	58	28	0	-4	IAH	AUS	140
##	86525	N13624	177	150	14	3	IAH	CLE	1091
##	86527	N37253	173	145	32	16	IAH	ORD	925
##	86529	N35407	131	116	-9	4	IAH	FLL	965
##	86536	N76529	117	100	-16	-3	IAH	RSW	861
##	86538	N14604	125	98	-1	0	IAH	MCI	643
##	86545	N77430	52	29	-1	3	IAH	AUS	140
##	86547	N36444	127	102	-3	7	IAH	MCO	853
##	86549	N76522	204	175	-8	3	IAH	SAN	1303
##	86550	N54241	140	112	-1	2	IAH	MIA	964
##	86558	N37287	55	28	1	2	IAH	AUS	140
##	86559	N14250	203	179	-12	10	IAH	LAX	1379
##	86566	N30401	162	140	-22	0	IAH	PHX	1009
##	86567	N14604	79	51	-5	-4	IAH	MFE	316
##	86568	N24212	65	44	-2	1	IAH	MSY	305
##	86570	N14704	200	181	-22	5	IAH	SNA	1347
##	86571	N16647	210	180	-1	-8	IAH	LGA	1416
##	86574	N16617	88	67	7	-3	IAH	MFE	316
##	86575	N73283	243	223	-6	6	IAH	SMF	1609
##	86577	N38443	162	137	12	3	IAH	ORD	925
##	86578	N76254	137	118	-9	0	IAH	FLL	965
##	86582	N73278	127	103	3	7	IAH	RSW	861
##	86585	N24633	119	95	-19	-5	IAH	ELP	667
##	86586	N75436	188	169	-2	2	IAH	PHL	1324
##	86589	N35204	58	36	-9	-2	IAH	SAT	191
##	86594	N14645	193	153	10	-10	IAH	DTW	1076
##	86595	N73259	202	173	-13	5	IAH	SAN	1303
##	86596	N17233	131	110	-11	6	IAH	MIA	964
##	86600	N78285	213	183	-8	10	IAH	LAX	1379
##	86605	N16234	69	56	-13	-3	IAH	MFE	316
##	86610	N14653	100	69	12	0	IAH	OKC	395
##	86612	N36444	245	223	-15	1	IAH	SMF	1609
##	86613	N19638	144	119	-11	-5	IAH	ABQ	744
##	86614	N39416	204	174	-1	8	IAH	SAN	1303
##	86616	N12218	195	176	-29	-2	IAH	ONT	1334

##	86621	N72405	156	132	-4	-5	IAH	ORD	925
##	86622	N14228	140	110	9	15	IAH	FLL	965
##	86624	N37419	115	90	-12	2	IAH	ATL	689
##	86629	N26215	300	278	15	-1	IAH	SEA	1874
##	86632	N37252	189	165	4	8	IAH	PHL	1324
##	86635	N76265	66	35	19	14	IAH	SAT	191
##	86636	N16647	143	126	-34	-1	IAH	TUS	936
##	86639	N27610	64	44	-11	-3	IAH	DFW	224
##	86641	N73251	130	111	-1	9	IAH	MIA	964
##	86644	N74856	217	181	5	15	IAH	LAX	1379
##	86653	N16709	225	188	-2	3	IAH	SNA	1347
##	86654	N62631	71	43	-4	-6	IAH	MSY	305
##	86657	N37413	136	111	3	9	IAH	PBI	956
##	86659	N33262	198	174	-12	-5	IAH	LGA	1416
##	86660	N33292	187	173	-15	-6	IAH	PHL	1324
##	86661	N17730	173	145	7	0	IAH	CLE	1091
##	86665	N17619	159	130	0	-2	IAH	RDU	1043
##	86668	N34222	142	114	7	0	IAH	OMA	781
##	86673	N76254	127	101	-1	10	IAH	MCO	853
##	86675	N32626	180	153	-6	-4	IAH	HDN	986
##	86678	N37273	237	220	114	138	IAH	SMF	1609
##	86683	N77066	501	482	8	12	IAH	HNL	3904
##	86688	N14214	67	47	0	2	IAH	MSY	305
##	86689	N37290	56	40	-4	0	IAH	SAT	191
##	86698	N27421	59	42	-8	2	IAH	MSY	305
##	86700	N16617	57	30	2	-2	IAH	AUS	140
##	86708	N76523	236	191	9	4	IAH	LAX	1379
##	86711	N14120	211	183	-13	2	IAH	LAX	1379
##	86716	N75861	154	123	16	19	IAH	DEN	862
##	86717		NA	NA	NA	NA	IAH	EWR	1400
##	86719	N12114	228	205	54	38	IAH	EWR	1400
##	86725		NA	NA	NA	NA	IAH	EWR	1400
##	86729	N68061	193	161	-21	-4	IAH	EWR	1400
##	86735	N12238	74	43	5	-1	IAH	MSY	305
##	86739	N79279	214	190	0	13	IAH	LAX	1379
##	86740	N75858	151	127	2	9	IAH	ORD	925
##	86743	N78285	203	183	-17	0	IAH	ONT	1334
##	86746	N27724	157	143	5	18	IAH	DCA	1208
##	86751	N18243	259	228	25	35	IAH	SFO	1635
##	86757	N76515	136	108	-3	4	IAH	MIA	964
##	86761	N77295	163	130	7	6	IAH	DEN	862
##	86766	N77430	118	94	11	17	IAH	TPA	787
##	86769	N13716	282	267	6	0	IAH	PDX	1825
##	86770	N35407	NA	NA	NA	8	IAH	EWR	1400
##	86772	N39415	238	222	-5	7	IAH	SJU	2007
##	86778	N57111	182	155	3	2	IAH	PHX	1009
##	86787		NA	NA	NA	NA	IAH	LGA	1416
##	86794	N16648	64	33	8	-3	IAH	AUS	140
##	86796	N59630	167	138	-6	-4	IAH	CLE	1091
##	86799	N16647	148	126	-10	1	IAH	RDU	1043
##	86805	N37253	164	139	-9	-2	IAH	DCA	1208
##	86811	N14228	156	124	2	1	IAH	DEN	862
##	86814		NA	NA	NA	NA	IAH	BOS	1597
##	86820	N37290	147	127	-9	-4	IAH	DEN	862

##	86825	N14250	292	273	21	8	IAH	PDX	1825
##	86826	N77867	189	159	-6	14	IAH	EWR	1400
##	86830	N37434	176	149	2	7	IAH	PHX	1009
##	86831	N76269	64	45	-7	-3	IAH	MSY	305
##	86833	N78509	190	147	28	12	IAH	BWI	1235
##	86837	N73276	180	160	-29	-1	IAH	LGA	1416
##	86849	N33209	157	141	-16	-3	IAH	DCA	1208
##	86855	N24212	254	230	-11	1	IAH	SFO	1635
##	86860	N36207	60	38	-4	-2	IAH	SAT	191
##	86867	N12225	184	165	-11	13	IAH	LAS	1222
##	86869	N12218	144	114	10	8	IAH	IND	845
##	86871	N17229	159	138	-21	-8	IAH	IAD	1190
##	86873	N78524	161	138	-14	-3	IAH	IAD	1190
##	86875	N15712	202	181	4	7	IAH	EWR	1400
##	86877	N12216	165	142	-11	-4	IAH	IAD	1190
##	86880	N87513	248	225	-10	0	IAH	SJC	1609
##	86881	N36272	69	45	4	4	IAH	MSY	305
##	86882	N14250	171	142	11	16	IAH	BWI	1235
##	86885	N17730	188	174	-18	-5	IAH	LGA	1416
##	86889	N14645	86	65	-4	-3	IAH	TUL	429
##	86890	N56859	150	118	-2	7	IAH	ORD	925
##	86892	N73283	148	128	63	69	IAH	ORD	925
##	86897	N33203	158	138	-11	1	IAH	DCA	1208
##	86901	N53442	285	269	7	2	IAH	SEA	1874
##	86907	N76265	68	35	6	4	IAH	SAT	191
##	86908		NA	NA	NA	NA	IAH	BOS	1597
##	86912	N57855	203	178	-5	0	IAH	LAS	1222
##	86914	N16617	155	115	8	-2	IAH	IND	845
##	86920		NA	NA	NA	NA	IAH	EWR	1400
##	86921	N24706	74	56	25	28	IAH	MFE	316
##	86927	N38424	175	151	0	6	IAH	PHX	1009
##	86933		NA	NA	NA	NA	IAH	LGA	1416
##	86934	N38257	162	137	5	6	IAH	PIT	1117
##	86939	N30401	189	175	-11	-3	IAH	SLC	1195
##	86940	N14613	173	143	-2	-5	IAH	CLE	1091
##	86941	N76515	147	127	-13	-3	IAH	ORD	925
##	86951	N29717	174	150	3	0	IAH	DCA	1208
##	86953	N78511	217	194	-5	8	IAH	SNA	1347
##	86959	N78438	256	228	-4	0	IAH	SFO	1635
##	86964		NA	NA	NA	NA	IAH	BOS	1597
##	86966	N12114	135	104	2	1	IAH	MCO	853
##	86972	N78501	200	172	-2	8	IAH	LAS	1222
##	86974	N74856	132	111	7	31	IAH	DEN	862
##	86976	N14230	154	128	9	11	IAH	DEN	862
##	86978	N73299	113	94	-9	2	IAH	TPA	787
##	86981	N33292	170	148	-3	-2	IAH	MSP	1034
##	86985	N33264	62	46	-3	2	IAH	MSY	305
##	86988	N62631	172	148	-9	-1	IAH	BWI	1235
##	86990	N17229	202	183	-9	-3	IAH	LGA	1416
##	86994	N35271	168	141	14	8	IAH	CLE	1091
##	86997	N13750	163	144	-9	-3	IAH	DCA	1208
##	87000	N16703	168	152	-13	-4	IAH	EGE	935
##	87002	N73860	285	262	17	10	IAH	SEA	1874
##	87005	N33209	242	223	-18	8	IAH	SFO	1635

## 87009		NA	NA	NA	NA	IAH	BOS	1597
## 87015	N75410	200	179	-12	-2	IAH	LAS	1222
## 87019	N13750	118	97	-10	-3	IAH	TPA	787
## 87020	N75426	296	264	90	72	IAH	PDX	1825
## 87029	N37277	188	162	24	31	IAH	LGA	1416
## 87033	N75435	211	184	-7	-1	IAH	SAN	1303
## 87034	N77525	169	144	6	0	IAH	CLE	1091
## 87035	N77510	152	128	-1	7	IAH	ORD	925
## 87036	N38257	192	172	-12	-4	IAH	SLC	1195
## 87038	N14653	123	88	-2	-2	IAH	ATL	689
## 87041	N78501	66	43	3	5	IAH	MSY	305
## 87042	N75436	294	270	11	1	IAH	SEA	1874
## 87045	N73283	241	218	-8	12	IAH	SFO	1635
## 87046	N37287	265	240	-1	4	IAH	SFO	1635
## 87047	N24211	183	157	-9	-1	IAH	PHL	1324
## 87052	N57864	117	98	-14	2	IAH	MCO	853
## 87055	N76508	224	194	-1	3	IAH	LAX	1379
## 87058	N77871	150	125	-9	3	IAH	DEN	862
## 87064	N76010	201	171	3	7	IAH	EWR	1400
## 87069	N38403	165	142	-4	8	IAH	PHX	1009
## 87076	N76502	201	159	2	11	IAH	EWR	1400
## 87084	N32404	143	120	17	26	IAH	ORD	925
## 87085	N14228	158	125	19	4	IAH	FLL	965
## 87089	N14704	157	138	-23	-5	IAH	DCA	1208
## 87092	N79402	250	231	3	13	IAH	SFO	1635
## 87095	N73259	61	44	5	6	IAH	SAT	191
## 87097	N77865	121	103	-17	1	IAH	MCO	853
## 87099	N16217	156	134	-11	1	IAH	DTW	1076
## 87101	N27205	204	175	-7	14	IAH	LAX	1379
## 87102	N18223	214	180	7	0	IAH	LAS	1222
## 87104	N33262	152	122	26	26	IAH	DEN	862
## 87113	N33264	50	31	2	9	IAH	AUS	140
## 87115	N33262	247	229	-13	-1	IAH	SJC	1609
## 87116	N37252	159	137	-13	-1	IAH	PIT	1117
## 87120	N35260	72	45	4	-2	IAH	MSY	305
## 87122	N14653	129	109	-20	-3	IAH	CLT	913
## 87131	N78524	209	186	-14	0	IAH	SNA	1347
## 87138	N33294	54	35	-7	-1	IAH	SAT	191
## 87140	N76254	171	140	1	1	IAH	DTW	1076
## 87142	N56859	222	197	-1	3	IAH	LAX	1379
## 87144	N24211	196	176	-7	9	IAH	LAS	1222
## 87148	N37408	115	95	-6	5	IAH	TPA	787
## 87149	N39728	218	192	-15	-1	IAH	SNA	1347
## 87153	N16217	48	31	22	29	IAH	AUS	140
## 87155	N17619	55	32	-7	-8	IAH	AUS	140
## 87156	N27610	164	138	-11	-9	IAH	CLE	1091
## 87158	N37287	149	125	14	22	IAH	ORD	925
## 87160	N32404	136	116	-9	-1	IAH	FLL	965
## 87164	N77520	57	29	0	-1	IAH	AUS	140
## 87168	N33294	122	101	-5	3	IAH	RSW	861
## 87170	N13624	121	94	-7	-2	IAH	MCI	643
## 87177	N75436	54	32	-1	1	IAH	AUS	140
## 87179	N30401	123	102	-12	2	IAH	MCO	853
## 87181	N27213	204	183	-7	4	IAH	SAN	1303

## 87182	N79279	137	113	3	9	IAH	MIA	964
## 87188	N78511	159	141	-7	4	IAH	DCA	1208
## 87194	N13750	69	54	1	12	IAH	MFE	316
## 87195	N78438	66	45	-4	-2	IAH	MSY	305
## 87197	N13716	208	193	-11	8	IAH	SNA	1347
## 87198	N58606	190	169	-16	-3	IAH	LGA	1416
## 87201	N26215	242	224	-6	7	IAH	SMF	1609
## 87203	N35271	145	129	-8	0	IAH	ORD	925
## 87204	N37255	135	117	-10	1	IAH	FLL	965
## 87208	N77296	123	101	-8	0	IAH	RSW	861
## 87212	N17620	139	97	1	-5	IAH	ELP	667
## 87213	N57439	181	160	-4	7	IAH	PHL	1324
## 87216	N77525	56	36	1	10	IAH	SAT	191
## 87221	N17614	166	139	-11	-4	IAH	DTW	1076
## 87222	N47414	203	175	-19	-2	IAH	SAN	1303
## 87226	N77258	225	193	-4	2	IAH	LAX	1379
## 87231	N26226	75	55	-5	-1	IAH	MFE	316
## 87235	N19623	86	62	3	5	IAH	OKC	395
## 87237	N75425	253	232	-12	-4	IAH	SMF	1609
## 87238	N62631	139	116	-11	0	IAH	ABQ	744
## 87239	N27421	195	175	-16	2	IAH	SAN	1303
## 87242	N12225	216	193	-5	1	IAH	ONT	1334
## 87246	N77865	156	124	-1	-2	IAH	ORD	925
## 87247	N77431	138	117	-7	1	IAH	FLL	965
## 87248	N13624	118	91	-13	-2	IAH	ATL	689
## 87252	N37427	290	272	5	-1	IAH	SEA	1874
## 87254	N73259	173	152	-20	0	IAH	PHL	1324
## 87256	N37273	60	37	4	5	IAH	SAT	191
## 87257	N13248	68	41	-5	-1	IAH	DFW	224
## 87259	N54241	141	114	6	5	IAH	MIA	964
## 87262	N77871	210	182	13	30	IAH	LAX	1379
## 87271	N21723	216	196	-8	6	IAH	SNA	1347
## 87274	N37253	135	114	-8	-1	IAH	PBI	956
## 87276		NA	NA	NA	NA	IAH	LGA	1416
## 87277	N73278	189	165	7	14	IAH	PHL	1324
## 87278	N16709	164	132	-1	1	IAH	CLE	1091
## 87282	N24706	140	123	-17	0	IAH	RDU	1043
## 87285	N36207	139	111	4	0	IAH	OMA	781
## 87290	N79402	128	101	-8	2	IAH	MCO	853
## 87292	N16647	180	160	-6	-4	IAH	HDN	986
## 87295	N16713	254	229	-9	-2	IAH	SMF	1609
## 87300	N67052	539	497	35	1	IAH	HNL	3904
## 87305	N37287	68	46	6	7	IAH	MSY	305
## 87306	N77295	62	39	3	1	IAH	SAT	191
## 87315	N27610	80	47	49	38	IAH	MSY	305
## 87317	N13248	53	30	3	3	IAH	AUS	140
## 87327	N13113	224	195	51	53	IAH	LAX	1379
## 87332	N75858	172	140	23	8	IAH	DEN	862
## 87333	N17122	210	164	31	29	IAH	EWR	1400
## 87335		NA	NA	NA	NA	IAH	EWR	1400
## 87341	N73256	190	159	-13	-3	IAH	EWR	1400
## 87345	N78060	196	168	-14	0	IAH	EWR	1400
## 87351	N57439	76	47	5	-3	IAH	MSY	305
## 87355	N26226	224	195	28	31	IAH	LAX	1379

## 87356	N77865	158	130	213	213	IAH	ORD	925
## 87359	N54241	221	191	41	40	IAH	ONT	1334
## 87362	N17730	156	131	-7	7	IAH	DCA	1208
## 87367	N31412	270	239	7	6	IAH	SFO	1635
## 87373	N37267	134	114	32	41	IAH	MIA	964
## 87377	N37252	171	136	11	2	IAH	DEN	862
## 87382	N75429	132	104	6	-2	IAH	TPA	787
## 87385	N23707	282	266	32	26	IAH	PDX	1825
## 87386	N77006	190	160	-19	5	IAH	EWR	1400
## 87388	N75435	251	226	1	0	IAH	SJU	2007
## 87394	N13110	200	155	38	19	IAH	PHX	1009
## 87403	N39728	189	159	-22	0	IAH	LGA	1416
## 87410	N24633	52	28	-3	-2	IAH	AUS	140
## 87412	N14639	160	133	-7	2	IAH	CLE	1091
## 87415	N16648	166	128	20	13	IAH	RDU	1043
## 87421	N27205	159	134	-12	0	IAH	DCA	1208
## 87427	N37253	180	136	28	3	IAH	DEN	862
## 87430	N77258	201	167	-22	-2	IAH	BOS	1597
## 87436	N24224	153	133	8	7	IAH	DEN	862
## 87441	N14230	281	266	0	-2	IAH	PDX	1825
## 87442	N57868	169	144	-32	8	IAH	EWR	1400
## 87445	N37290	173	146	-2	6	IAH	PHX	1009
## 87446	N73291	73	46	4	-1	IAH	MSY	305
## 87448		NA	NA	NA	NA	IAH	BWI	1235
## 87452	N73270	194	165	-17	-3	IAH	LGA	1416
## 87461	N13718	149	133	10	18	IAH	GUC	886
## 87470	N73299	253	228	-6	7	IAH	SFO	1635
## 87475	N29717	78	38	17	1	IAH	SAT	191
## 87482	N77258	210	179	-3	-2	IAH	LAS	1222
## 87484	N12238	119	102	23	46	IAH	IND	845
## 87486	N27213	159	133	-18	-5	IAH	IAD	1190
## 87488	N18223	164	139	-12	-4	IAH	IAD	1190
## 87490	N12218	207	173	8	6	IAH	EWR	1400
## 87492	N33294	160	136	-12	0	IAH	IAD	1190
## 87495	N87513	254	231	4	8	IAH	SJC	1609
## 87496	N33262	77	49	9	1	IAH	MSY	305
## 87497	N76505	162	140	-13	1	IAH	BWI	1235
## 87503	N16703	79	63	-7	1	IAH	TUL	429
## 87504	N76515	176	128	61	44	IAH	ORD	925
## 87506	N12225	208	158	77	23	IAH	ORD	925
## 87511	N76502	165	139	-1	4	IAH	DCA	1208
## 87515	N27421	300	281	32	12	IAH	SEA	1874
## 87521	N14250	58	39	-8	0	IAH	SAT	191
## 87522	N76516	216	181	-6	2	IAH	BOS	1597
## 87526	N57870	205	173	-3	0	IAH	LAS	1222
## 87528	N27610	124	107	29	50	IAH	IND	845
## 87534	N38424	186	164	7	26	IAH	EWR	1400
## 87535	N12225	73	53	1	5	IAH	MFE	316
## 87541	N53442	186	151	8	3	IAH	PHX	1009
## 87547	N36272	186	155	-1	18	IAH	LGA	1416
## 87548	N35407	144	119	-18	1	IAH	PIT	1117
## 87553	N75410	202	181	5	0	IAH	SLC	1195
## 87554	N14639	151	120	-27	-8	IAH	CLE	1091
## 87555		NA	NA	NA	NA	IAH	ORD	925

## 87564	N13716	158	136	-16	-3	IAH	DCA	1208
## 87571	N75410	265	232	6	9	IAH	SFO	1635
## 87576		NA	NA	NA	NA	IAH	BOS	1597
## 87578	N34131	126	100	24	32	IAH	MCO	853
## 87584	N24211	200	177	-3	7	IAH	LAS	1222
## 87586	N57855	166	135	24	14	IAH	DEN	862
## 87588	N24211	156	132	12	12	IAH	DEN	862
## 87590	N78285	117	94	-5	2	IAH	TPA	787
## 87593	N14230	154	135	36	53	IAH	MSP	1034
## 87597	N37263	77	50	16	6	IAH	MSY	305
## 87600	N14629	163	142	-24	-7	IAH	BWI	1235
## 87602	N17719	197	167	1	12	IAH	LGA	1416
## 87606	N37263	160	133	-3	-1	IAH	CLE	1091
## 87610	N35271	208	189	40	1	IAH	DCA	1208
## 87612	N38727	180	162	-7	-10	IAH	EGE	935
## 87614	N74856	305	278	40	13	IAH	SEA	1874
## 87620	N34282	197	171	-29	1	IAH	BOS	1597
## 87626	N38443	211	174	2	1	IAH	LAS	1222
## 87630	N12216	124	95	-6	-5	IAH	TPA	787
## 87631	N77510	274	245	4	8	IAH	PDX	1825
## 87640		NA	NA	NA	NA	IAH	LGA	1416
## 87644	N47414	214	183	-2	1	IAH	SAN	1303
## 87645	N73278	140	117	-20	3	IAH	CLE	1091
## 87646	N76529	155	128	220	225	IAH	ORD	925
## 87647	N35204	216	196	14	-2	IAH	SLC	1195
## 87649	N17614	117	86	-8	-2	IAH	ATL	689
## 87650	N87513	225	196	-6	-1	IAH	SNA	1347
## 87653	N27213	74	47	16	10	IAH	MSY	305
## 87654	N75426	294	269	41	31	IAH	SEA	1874
## 87657	N33203	256	232	20	25	IAH	SFO	1635
## 87658	N77296	269	235	4	5	IAH	SFO	1635
## 87659	N14242	171	144	-21	-1	IAH	PHL	1324
## 87664	N57864	125	102	22	30	IAH	MCO	853
## 87667	N17229	216	190	21	33	IAH	LAX	1379
## 87669	N56859	167	138	20	15	IAH	DEN	862
## 87675	N27015	185	160	-17	3	IAH	EWR	1400
## 87680	N32404	165	148	-11	1	IAH	PHX	1009
## 87686		NA	NA	NA	NA	IAH	EWR	1400
## 87694	N72405	142	123	-1	9	IAH	ORD	925
## 87695	N57111	135	115	-12	-4	IAH	FLL	965
## 87699	N23708	154	139	-24	-3	IAH	DCA	1208
## 87702	N37408	275	240	15	0	IAH	SFO	1635
## 87705	N14250	63	38	-2	-3	IAH	SAT	191
## 87707	N56859	136	101	3	6	IAH	MCO	853
## 87709	N24224	158	131	0	10	IAH	DTW	1076
## 87711	N77518	225	183	9	9	IAH	LAX	1379
## 87712	N37253	214	185	5	-2	IAH	LAS	1222
## 87714	N75851	151	124	-2	-1	IAH	DEN	862
## 87722	N76265	51	29	-5	1	IAH	AUS	140
## 87724	N37267	263	235	9	5	IAH	SJC	1609
## 87725	N17620	173	137	-7	-5	IAH	PIT	1117
## 87729	N17619	66	43	-1	-1	IAH	MSY	305
## 87731	N17614	126	106	-18	2	IAH	CLT	913
## 87740	N78509	208	191	2	17	IAH	SNA	1347

## 87746	N77295	64	40	10	6	IAH	SAT	191
## 87748	N39728	154	131	-16	1	IAH	DTW	1076
## 87750	N57868	227	183	-2	-3	IAH	LAX	1379
## 87755	N31412	117	99	-9	0	IAH	TPA	787
## 87756	N16701	231	198	7	8	IAH	SNA	1347
## 87762	N35407	53	29	20	22	IAH	AUS	140
## 87764	N13624	56	30	0	-2	IAH	AUS	140
## 87765	N32626	141	120	-35	-10	IAH	CLE	1091
## 87767	N14214	156	124	135	136	IAH	ORD	925
## 87769	N78438	151	114	10	3	IAH	FLL	965
## 87773	N76519	231	199	14	14	IAH	LAX	1379
## 87776	N77525	158	136	5	17	IAH	DCA	1208
## 87778	N78511	142	102	17	5	IAH	RSW	861
## 87782	N16647	140	96	11	-3	IAH	MCI	643
## 87789	N37290	56	31	-1	-1	IAH	AUS	140
## 87791	N77431	121	100	-15	1	IAH	MCO	853
## 87793	N73251	198	182	15	32	IAH	SAN	1303
## 87794	N75426	166	133	26	3	IAH	MIA	964
## 87800	N37255	63	33	14	7	IAH	AUS	140
## 87806	N14214	76	56	-5	-1	IAH	MFE	316
## 87807	N14628	74	49	5	-1	IAH	MSY	305
## 87809	N13750	227	203	-3	-3	IAH	SNA	1347
## 87810		NA	NA	NA	NA	IAH	LGA	1416
## 87814	N14228	247	225	8	16	IAH	SMF	1609
## 87816	N30401	165	131	264	252	IAH	ORD	925
## 87817	N14242	140	114	3	9	IAH	FLL	965
## 87821	N73291	126	105	-5	0	IAH	RSW	861
## 87825	N23708	130	103	1	4	IAH	ELP	667
## 87826	N27205	186	148	16	22	IAH	PHL	1324
## 87829	N29717	81	41	17	1	IAH	SAT	191
## 87834	N14645	173	134	-3	-3	IAH	DTW	1076
## 87835	N37298	209	181	9	20	IAH	SAN	1303
## 87839	N14237	234	190	7	4	IAH	LAX	1379
## 87844	N16617	95	59	10	-6	IAH	MFE	316
## 87848	N19638	85	65	-4	-1	IAH	OKC	395
## 87850	N35271	270	245	2	-7	IAH	SMF	1609
## 87851	N58606	148	120	-4	-2	IAH	ABQ	744
## 87852	N37277	202	185	-7	4	IAH	SAN	1303
## 87855	N73276	216	195	-5	-3	IAH	ONT	1334
## 87860	N74856	154	128	41	42	IAH	ORD	925
## 87861	N39423	130	112	-18	-2	IAH	FLL	965
## 87862	N17620	131	97	1	-1	IAH	ATL	689
## 87866	N37281	297	277	17	4	IAH	SEA	1874
## 87868	N77525	100	73	7	0	IAH	BHM	562
## 87870		NA	NA	NA	NA	IAH	PHL	1324
## 87872	N37273	67	45	12	6	IAH	SAT	191
## 87873	N14629	66	44	-10	-4	IAH	DFW	224
## 87875	N33203	139	110	-1	0	IAH	MIA	964
## 87878	N75861	213	181	24	38	IAH	LAX	1379
## 87887	N15710	219	191	-6	5	IAH	SNA	1347
## 87890	N38417	132	109	-9	1	IAH	PBI	956
## 87892	N35260	186	169	-21	-2	IAH	LGA	1416
## 87893	N35204	179	153	-7	10	IAH	PHL	1324
## 87894	N33286	153	125	-11	2	IAH	CLE	1091

##	87897	N14628	158	133	1	0	IAH	RDU	1043
##	87900	N19623	134	113	-2	-1	IAH	OMA	781
##	87904	N17229	137	104	-5	-4	IAH	MCO	853
##	87906	N19638	181	156	-8	-7	IAH	HDN	986
##	87909	N73270	260	232	3	4	IAH	SMF	1609
##	87913	N27724	98	73	-3	-2	IAH	BHM	562
##	87915	N76064	513	486	23	15	IAH	HNL	3904
##	87920	N38424	59	43	-3	7	IAH	MSY	305
##	87921	N24211	60	41	4	4	IAH	SAT	191
##	87930	N16648	68	39	16	17	IAH	MSY	305
##	87932	N76515	47	32	-7	-1	IAH	AUS	140
##	87940	N77520	236	195	36	31	IAH	LAX	1379
##	87943	N17104	228	191	21	19	IAH	LAX	1379
##	87948	N77871	172	137	17	2	IAH	DEN	862
##	87949	N67157	213	184	10	5	IAH	EWR	1400
##	87951	N73259	191	161	16	37	IAH	EWR	1400
##	87957	N11206	188	168	-14	-2	IAH	EWR	1400
##	87961	N76055	209	182	0	1	IAH	EWR	1400
##	87967	N39423	74	45	5	-1	IAH	MSY	305
##	87971	N37253	233	196	21	15	IAH	LAX	1379
##	87972	N57868	139	111	19	38	IAH	ORD	925
##	87975	N73291	222	197	8	6	IAH	ONT	1334
##	87978	N14704	162	141	-9	-1	IAH	DCA	1208
##	87983	N73406	276	255	7	0	IAH	SFO	1635
##	87990	N76269	129	112	35	49	IAH	MIA	964
##	87995	N75854	219	179	12	-1	IAH	LAS	1222
##	87997	N26215	163	135	5	4	IAH	DEN	862
##	88002	N37409	130	107	12	6	IAH	TPA	787
##	88005	N15712	NA	NA	NA	9	IAH	PDX	1825
##	88006	N38257	204	182	-8	2	IAH	EWR	1400
##	88008	N75426	257	235	102	95	IAH	SJU	2007
##	88014	N48127	187	159	10	4	IAH	PHX	1009
##	88020	N27610	174	150	-5	0	IAH	BWI	1235
##	88024	N24715	209	182	16	18	IAH	LGA	1416
##	88032	N19638	60	32	6	-1	IAH	AUS	140
##	88034	N59630	151	125	-13	5	IAH	CLE	1091
##	88037		NA	NA	NA	NA	IAH	RDU	1043
##	88044	N76529	159	137	7	19	IAH	DCA	1208
##	88048	N18220	296	277	14	2	IAH	SEA	1874
##	88051	N37434	271	248	24	18	IAH	SFO	1635
##	88052	N37252	178	138	34	11	IAH	DEN	862
##	88055	N33264	67	42	7	6	IAH	SAT	191
##	88056	N32626	210	186	-10	1	IAH	BOS	1597
##	88064	N39418	237	209	26	2	IAH	LAS	1222
##	88066	N76254	145	129	-4	3	IAH	DEN	862
##	88071	N38417	291	269	24	12	IAH	PDX	1825
##	88072	N77867	193	157	20	36	IAH	EWR	1400
##	88076	N45440	176	152	-3	2	IAH	PHX	1009
##	88078	N37273	63	45	-5	0	IAH	MSY	305
##	88080	N87513	165	147	-10	-1	IAH	BWI	1235
##	88084	N76265	195	165	-5	8	IAH	LGA	1416
##	88096	N39726	172	150	0	-2	IAH	DCA	1208
##	88104	N14228	289	255	40	17	IAH	SFO	1635
##	88110	N17619	63	42	-1	-2	IAH	SAT	191

##	88112	N33262	223	192	1	-1	IAH	BOS	1597
##	88118	N24212	211	187	9	6	IAH	LAS	1222
##	88120	N34282	140	99	0	2	IAH	IND	845
##	88122	N37274	219	200	0	-5	IAH	SAN	1303
##	88123	N23707	175	144	3	0	IAH	IAD	1190
##	88125	N33203	154	136	10	28	IAH	IAD	1190
##	88127	N66056	206	175	-2	-3	IAH	EWR	1400
##	88129	N76502	156	138	-17	-1	IAH	IAD	1190
##	88132	N76516	259	234	19	18	IAH	SJC	1609
##	88134	N36207	59	42	-7	3	IAH	MSY	305
##	88135	N78509	174	142	0	2	IAH	BWI	1235
##	88138	N17730	200	178	-4	-3	IAH	LGA	1416
##	88142	N27610	86	66	2	3	IAH	TUL	429
##	88143	N76515	153	114	0	6	IAH	ORD	925
##	88145	N12216	140	116	-19	-5	IAH	ORD	925
##	88150	N14250	168	146	0	2	IAH	DCA	1208
##	88154	N53442	284	265	27	23	IAH	SEA	1874
##	88160	N13248	70	41	2	-2	IAH	SAT	191
##	88163	N37293	214	187	-7	3	IAH	BOS	1597
##	88168	N73860	225	192	20	3	IAH	LAS	1222
##	88170	N38443	172	129	26	9	IAH	DEN	862
##	88171	N16648	149	103	2	-2	IAH	IND	845
##	88177	N37437	203	183	-1	1	IAH	EWR	1400
##	88178	N34282	74	54	-1	2	IAH	MFE	316
##	88184	N75432	187	157	9	3	IAH	PHX	1009
##	88191	N73270	215	177	9	-1	IAH	LGA	1416
##	88192	N72405	159	135	1	5	IAH	PIT	1117
##	88197	N35407	208	187	18	7	IAH	SLC	1195
##	88198	N19621	168	140	4	0	IAH	CLE	1091
##	88199	N14214	154	116	-4	-1	IAH	ORD	925
##	88209	N27724	163	139	-6	2	IAH	DCA	1208
##	88211	N76517	215	200	3	18	IAH	SNA	1347
##	88217	N75435	267	242	22	15	IAH	SFO	1635
##	88222	N33209	214	186	9	13	IAH	BOS	1597
##	88224	N14120	143	115	14	5	IAH	MCO	853
##	88230	N14242	210	185	2	2	IAH	LAS	1222
##	88232	N74856	165	132	16	7	IAH	DEN	862
##	88234	N36207	166	127	28	18	IAH	DEN	862
##	88236	N73283	116	94	-7	1	IAH	TPA	787
##	88239	N24224	172	134	19	18	IAH	MSP	1034
##	88243	N35260	69	48	2	0	IAH	MSY	305
##	88246	N14604	171	150	-10	-1	IAH	BWI	1235
##	88249	N33264	193	172	-5	10	IAH	LGA	1416
##	88253	N35260	150	125	-5	7	IAH	CLE	1091
##	88258	N73276	166	136	2	5	IAH	DCA	1208
##	88261	N34137	173	151	-5	-1	IAH	EGE	935
##	88262	N78866	291	272	20	7	IAH	SEA	1874
##	88269	N17619	206	189	76	97	IAH	BOS	1597
##	88272	N57857	141	102	9	1	IAH	MCO	853
##	88278	N31412	229	194	19	0	IAH	LAS	1222
##	88282	N15710	128	105	6	3	IAH	TPA	787
##	88283	N35407	308	284	41	11	IAH	PDX	1825
##	88286	N16217	62	41	2	6	IAH	MSY	305
##	88293	N13750	180	158	-3	12	IAH	LGA	1416

##	88297	N35204	209	193	8	11	IAH	SAN	1303
##	88298	N75435	210	190	-7	0	IAH	SAN	1303
##	88299	N38257	58	32	18	16	IAH	AUS	140
##	88300	N87512	165	130	10	8	IAH	CLE	1091
##	88301	N79521	147	120	-7	6	IAH	ORD	925
##	88302	N33286	209	188	8	-1	IAH	SLC	1195
##	88304		NA	NA	NA	NA	IAH	ATL	689
##	88307	N14242	60	44	9	17	IAH	MSY	305
##	88308	N47414	292	266	29	21	IAH	SEA	1874
##	88311	N33203	254	230	17	24	IAH	SFO	1635
##	88312	N78285	285	256	20	5	IAH	SFO	1635
##	88313	N24211	187	159	-2	2	IAH	PHL	1324
##	88318	N57864	124	105	33	42	IAH	MCO	853
##	88320	N17620	164	139	-5	-2	IAH	DTW	1076
##	88322	N73256	231	206	8	5	IAH	LAX	1379
##	88325	N56859	169	134	39	32	IAH	DEN	862
##	88331	N78004	180	150	-10	15	IAH	EWR	1400
##	88336	N27733	180	159	3	0	IAH	PHX	1009
##	88342	N73299	119	91	-8	-3	IAH	TPA	787
##	88343	N73251	183	157	-9	18	IAH	EWR	1400
##	88352	N75410	128	110	28	52	IAH	ORD	925
##	88353	N37253	131	113	-15	-3	IAH	FLL	965
##	88357	N16709	153	136	-9	13	IAH	DCA	1208
##	88360	N37408	276	244	19	3	IAH	SFO	1635
##	88363	N33209	62	42	-4	-4	IAH	SAT	191
##	88365	N56859	118	101	2	23	IAH	MCO	853
##	88367	N12216	153	129	-6	9	IAH	DTW	1076
##	88369	N17233	226	196	21	20	IAH	LAX	1379
##	88370	N37427	223	198	13	-3	IAH	LAS	1222
##	88372	N38443	173	135	37	16	IAH	DEN	862
##	88380	N77865	185	154	6	-2	IAH	PHX	1009
##	88382	N17229	61	33	4	0	IAH	AUS	140
##	88384	N73276	263	248	1	-3	IAH	SJC	1609
##	88385	N16647	171	133	5	9	IAH	PIT	1117
##	88389	N14645	60	42	-9	-3	IAH	MSY	305
##	88391		NA	NA	NA	NA	IAH	CLT	913
##	88397	N36280	143	112	4	8	IAH	FLL	965
##	88401	N77510	218	200	-7	-2	IAH	SNA	1347
##	88403	N17614	129	107	-7	7	IAH	RSW	861
##	88410	N24224	194	159	22	20	IAH	PHL	1324
##	88412	N33262	68	46	10	2	IAH	SAT	191
##	88414	N39728	141	122	50	80	IAH	DTW	1076
##	88417	N57869	236	209	16	6	IAH	LAX	1379
##	88419	N75436	210	189	3	5	IAH	LAS	1222
##	88420	N76265	168	141	-4	-2	IAH	DCA	1208
##	88424	N73406	107	91	-18	1	IAH	TPA	787
##	88426	N16709	228	200	-3	1	IAH	SNA	1347
##	88431	N12216	48	28	8	15	IAH	AUS	140
##	88433	N24633	62	31	4	-4	IAH	AUS	140
##	88434	N62631	160	136	-9	-3	IAH	CLE	1091
##	88436	N78285	155	117	32	34	IAH	ORD	925
##	88438	N76254	132	114	-3	9	IAH	FLL	965
##	88445	N77510	128	106	0	2	IAH	RSW	861
##	88447	N16703	106	90	-19	1	IAH	MCI	643

##	88455	N35204	60	34	16	12	IAH	AUS	140
##	88457	N57439	140	112	24	21	IAH	MCO	853
##	88459	N34222	217	188	8	6	IAH	SAN	1303
##	88460	N14228	129	112	-14	0	IAH	MIA	964
##	88467	N76517	59	33	13	10	IAH	AUS	140
##	88468	N26210	239	202	22	8	IAH	LAX	1379
##	88475	N76519	173	153	-14	-3	IAH	PHX	1009
##	88476	N38727	71	52	-8	1	IAH	MFE	316
##	88477	N29717	65	50	-3	0	IAH	MSY	305
##	88479	N27733	236	209	6	-3	IAH	SNA	1347
##	88480	N13718	184	161	-9	4	IAH	LGA	1416
##	88483	N17619	82	55	1	-3	IAH	MFE	316
##	88484	N26210	249	224	10	16	IAH	SMF	1609
##	88486	N79402	146	119	1	8	IAH	ORD	925
##	88487	N24202	129	112	-18	-1	IAH	FLL	965
##	88491	N39297	120	100	-14	-3	IAH	RSW	861
##	88494	N24633	128	105	-7	-2	IAH	ELP	667
##	88495	N26208	180	156	-1	11	IAH	PHL	1324
##	88498	N87512	56	41	-9	0	IAH	SAT	191
##	88503	N14653	162	131	-15	-4	IAH	DTW	1076
##	88504	N39726	210	188	9	19	IAH	SAN	1303
##	88505	N73251	139	112	-6	3	IAH	MIA	964
##	88509	N14231	227	202	15	19	IAH	LAX	1379
##	88514	N32626	74	55	11	16	IAH	MFE	316
##	88519	N14628	82	64	-4	2	IAH	OKC	395
##	88521	N17229	270	243	8	-1	IAH	SMF	1609
##	88522	N19623	148	117	162	164	IAH	ABQ	744
##	88523	N24211	210	195	-6	-3	IAH	SAN	1303
##	88525	N78511	216	195	-6	-4	IAH	ONT	1334
##	88530	N31412	153	116	2	4	IAH	ORD	925
##	88531	N37290	134	113	-13	-1	IAH	FLL	965
##	88533		NA	NA	NA	NA	IAH	ATL	689
##	88538	N33286	297	266	12	-1	IAH	SEA	1874
##	88541	N54241	198	155	23	18	IAH	PHL	1324
##	88544	N77296	67	42	14	8	IAH	SAT	191
##	88545	N59630	189	141	32	19	IAH	TUS	936
##	88548	N17627	81	41	7	-2	IAH	DFW	224
##	88550	N12218	NA	NA	NA	6	IAH	MIA	964
##	88553	N75858	227	196	21	21	IAH	LAX	1379
##	88562	N17719	220	200	-12	-2	IAH	SNA	1347
##	88563	N24633	64	42	-4	1	IAH	MSY	305
##	88566	N37427	129	111	-11	2	IAH	PBI	956
##	88568	N35271	184	160	-21	0	IAH	LGA	1416
##	88569	N27205	173	156	-23	0	IAH	PHL	1324
##	88570	N24702	154	131	15	27	IAH	CLE	1091
##	88574	N19623	155	123	-4	-2	IAH	RDU	1043
##	88577	N58606	136	108	38	37	IAH	OMA	781
##	88580	N38403	176	153	7	12	IAH	PHX	1009
##	88582	N14230	134	105	-1	3	IAH	MCO	853
##	88584	N16647	183	155	-7	-8	IAH	HDN	986
##	88587	N37273	256	239	-5	0	IAH	SMF	1609
##	88592	N69063	501	484	27	31	IAH	HNL	3904
##	88597	N37274	68	41	2	3	IAH	MSY	305
##	88598	N14652	63	39	42	39	IAH	SAT	191

##	88608	N16642	62	46	-4	3	IAH	MSY	305
##	88610	N62631	58	32	0	-5	IAH	AUS	140
##	88616	N76504	236	212	66	61	IAH	LAX	1379
##	88619	N14106	234	201	7	-1	IAH	LAX	1379
##	88624	N57868	159	120	41	39	IAH	DEN	862
##	88625	N69154	191	170	-11	6	IAH	EWR	1400
##	88627	N17105	190	162	4	26	IAH	EWR	1400
##	88631	N24729	183	162	-8	1	IAH	EWR	1400
##	88635	N68061	185	161	27	44	IAH	EWR	1400
##	88640	N27733	58	43	-10	0	IAH	MSY	305
##	88644	N14228	229	204	18	16	IAH	LAX	1379
##	88646	N57864	134	109	-11	13	IAH	ORD	925
##	88649	N77258	226	201	9	3	IAH	ONT	1334
##	88652	N29717	162	137	6	14	IAH	DCA	1208
##	88657	N30401	259	239	14	19	IAH	SFO	1635
##	88668	N16217	133	112	30	40	IAH	MIA	964
##	88673	N57862	192	173	18	27	IAH	LAS	1222
##	88675	N73275	137	114	-22	-2	IAH	DEN	862
##	88678	N78438	116	97	-3	5	IAH	TPA	787
##	88680	N16732	267	249	48	57	IAH	PDX	1825
##	88681	N32404	194	169	-4	16	IAH	EWR	1400
##	88683	N47414	235	219	50	60	IAH	SJU	2007
##	88688	N29124	172	152	14	18	IAH	PHX	1009
##	88693	N58606	174	152	19	19	IAH	BWI	1235
##	88697	N59630	204	174	-2	0	IAH	LGA	1416
##	88704	N24633	62	32	6	-3	IAH	AUS	140
##	88706	N46625	169	131	0	0	IAH	CLE	1091
##	88709	N35204	142	118	9	22	IAH	RDU	1043
##	88718	N17245	271	255	-10	3	IAH	SEA	1874
##	88721	N75436	258	239	15	17	IAH	SFO	1635
##	88722	N37287	159	122	29	25	IAH	DEN	862
##	88723	N37252	59	41	6	8	IAH	SAT	191
##	88728	N75428	198	178	6	16	IAH	LAS	1222
##	88729	N73299	144	121	-8	0	IAH	DEN	862
##	88733	N75429	256	240	-4	14	IAH	PDX	1825
##	88734	N75861	199	158	36	46	IAH	EWR	1400
##	88739	N75425	174	147	-3	4	IAH	PHX	1009
##	88741	N33266	65	44	10	13	IAH	MSY	305
##	88743	N78509	154	136	-13	7	IAH	BWI	1235
##	88754	N27724	203	184	49	3	IAH	GUC	886
##	88757	N37273	159	142	7	13	IAH	DCA	1208
##	88764	N12216	275	255	20	11	IAH	SFO	1635
##	88769	N13624	61	41	2	3	IAH	SAT	191
##	88771	N11206	207	186	4	13	IAH	BOS	1597
##	88777	N37413	212	191	5	1	IAH	LAS	1222
##	88779	N16732	117	99	-22	6	IAH	IND	845
##	88781	N16713	206	190	-2	1	IAH	SAN	1303
##	88782	N76254	149	131	-18	5	IAH	IAD	1190
##	88784	N14242	156	140	2	18	IAH	IAD	1190
##	88786	N67058	183	167	-13	1	IAH	EWR	1400
##	88788	N24212	171	134	106	107	IAH	IAD	1190
##	88790	N77510	261	242	18	15	IAH	SJC	1609
##	88792	N16642	104	59	45	10	IAH	MSY	305
##	88793	N58606	183	143	20	13	IAH	BWI	1235

##	88796	N78285	192	165	1	5	IAH	LGA	1416
##	88800	N59630	91	68	20	16	IAH	TUL	429
##	88801	N75429	153	117	19	25	IAH	ORD	925
##	88807	N37290	158	142	-2	10	IAH	DCA	1208
##	88811	N75436	264	247	101	117	IAH	SEA	1874
##	88817	N76265	72	36	26	20	IAH	SAT	191
##	88820	N76523	192	178	19	51	IAH	BOS	1597
##	88825	N12109	191	173	-5	4	IAH	LAS	1222
##	88827	N76502	145	120	10	15	IAH	DEN	862
##	88828	N17627	149	101	0	-4	IAH	IND	845
##	88832	N36247	198	173	13	12	IAH	EWR	1400
##	88833	N14242	74	55	29	32	IAH	MFE	316
##	88836	N39415	196	156	130	115	IAH	PHX	1009
##	88842	N37267	187	165	-8	10	IAH	LGA	1416
##	88843	N73406	141	124	-8	14	IAH	PIT	1117
##	88847	N27205	177	160	26	41	IAH	SLC	1195
##	88848	N78506	160	143	-2	-3	IAH	CLE	1091
##	88849	N35204	134	104	-13	5	IAH	ORD	925
##	88858	N13718	173	144	5	3	IAH	DCA	1208
##	88863	N38403	285	257	49	24	IAH	SFO	1635
##	88869	N27239	209	185	12	21	IAH	BOS	1597
##	88870	N17105	122	101	-9	-2	IAH	MCO	853
##	88876	N78285	221	195	41	30	IAH	LAS	1222
##	88878	N57869	142	122	0	14	IAH	DEN	862
##	88880	N24211	143	119	-7	6	IAH	DEN	862
##	88882	N76508	120	98	28	32	IAH	TPA	787
##	88885	N73251	183	141	34	22	IAH	MSP	1034
##	88889	N33262	64	46	58	61	IAH	MSY	305
##	88893	N35271	195	166	5	18	IAH	LGA	1416
##	88896	N39297	150	125	72	84	IAH	CLE	1091
##	88900	N37273	170	139	15	14	IAH	DCA	1208
##	88903	N34137	156	136	-15	1	IAH	EGE	935
##	88904	N57855	277	256	18	19	IAH	SEA	1874
##	88907	N76502	290	251	70	48	IAH	SFO	1635
##	88912	N17233	214	179	22	35	IAH	BOS	1597
##	88915	N74856	131	108	9	6	IAH	MCO	853
##	88920	N37408	212	185	6	4	IAH	LAS	1222
##	88924	N75410	290	257	18	6	IAH	PDX	1825
##	88927	N76508	56	43	9	14	IAH	MSY	305
##	88934	N33262	204	166	68	59	IAH	LGA	1416
##	88937	N24224	202	187	-2	8	IAH	SAN	1303
##	88938	N37413	198	182	-11	3	IAH	SAN	1303
##	88939	N87512	54	34	12	9	IAH	AUS	140
##	88940	N26210	137	120	-29	-3	IAH	CLE	1091
##	88941	N76517	134	109	-5	21	IAH	ORD	925
##	88942	N14250	188	167	10	22	IAH	SLC	1195
##	88944		NA	NA	NA	NA	IAH	ATL	689
##	88945	N77510	217	194	-5	3	IAH	SNA	1347
##	88949	N73278	NA	NA	NA	3	IAH	MSY	305
##	88950	N38424	277	258	7	14	IAH	SEA	1874
##	88953	N27213	283	258	42	20	IAH	SFO	1635
##	88954	N38403	256	234	-15	-3	IAH	SFO	1635
##	88959	N75854	127	101	8	14	IAH	MCO	853
##	88961	N39726	151	132	-4	3	IAH	DTW	1076

##	88964	N17229	239	209	29	18	IAH	LAX	1379
##	88967	N57868	142	118	-8	7	IAH	DEN	862
##	88970	N77006	217	161	23	11	IAH	EWR	1400
##	88974	N79402	185	160	27	19	IAH	PHX	1009
##	88981	N37253	120	97	11	10	IAH	TPA	787
##	88982	N77261	187	159	-15	14	IAH	EWR	1400
##	88990	N75854	130	112	-8	14	IAH	ORD	925
##	88991	N76517	128	111	-12	-2	IAH	FLL	965
##	88995	N14731	161	145	-10	-1	IAH	DCA	1208
##	88998	N38268	286	247	32	6	IAH	SFO	1635
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##	89003	N56859	126	101	41	54	IAH	MCO	853
##	89005	N27213	154	131	-9	5	IAH	DTW	1076
##	89007	N26210	236	207	26	15	IAH	LAX	1379
##	89008	N38257	179	166	-22	1	IAH	LAS	1222
##	89010	N33264	168	122	40	24	IAH	DEN	862
##	89019	N73276	54	31	13	16	IAH	AUS	140
##	89022	N76265	255	237	13	12	IAH	SJC	1609
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##	89034	N15710	137	114	2	7	IAH	FLL	965
##	89038	N87513	235	206	22	10	IAH	SNA	1347
##	89046	N19638	176	153	6	23	IAH	PHL	1324
##	89048	N24224	56	37	-2	2	IAH	SAT	191
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##	5439	12	17	0		0			
##	5440	8	8	0		0			
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## 88076	6	18	0	0
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## 88134	3	14	0	0
## 88135	5	27	0	0
## 88138	4	18	0	0
## 88142	7	13	0	0
## 88143	11	28	0	0
## 88145	11	13	0	0
## 88150	3	19	0	0
## 88154	4	15	0	0
## 88160	5	24	0	0
## 88163	6	21	0	0
## 88168	14	19	0	0
## 88170	13	30	0	0
## 88171	4	42	0	0
## 88177	4	16	0	0
## 88178	5	15	0	0
## 88184	6	24	0	0
## 88191	4	34	0	0
## 88192	5	19	0	0
## 88197	3	18	0	0
## 88198	8	20	0	0
## 88199	19	19	0	0
## 88209	4	20	0	0
## 88211	5	10	0	0
## 88217	9	16	0	0
## 88222	7	21	0	0
## 88224	7	21	0	0
## 88230	7	18	0	0
## 88232	7	26	0	0
## 88234	9	30	0	0
## 88236	6	16	0	0
## 88239	9	29	0	0
## 88243	6	15	0	0
## 88246	6	15	0	0
## 88249	6	15	0	0
## 88253	5	20	0	0

## 88258	6	24	0		0
## 88261	5	17	0		0
## 88262	5	14	0		0
## 88269	6	11	0		0
## 88272	10	29	0		0
## 88278	11	24	0		0
## 88282	2	21	0		0
## 88283	6	18	0		0
## 88286	3	18	0		0
## 88293	5	17	0		0
## 88297	3	13	0		0
## 88298	3	17	0		0
## 88299	4	22	0		0
## 88300	7	28	0		0
## 88301	12	15	0		0
## 88302	4	17	0		0
## 88304	NA	NA	1	B	0
## 88307	5	11	0		0
## 88308	5	21	0		0
## 88311	6	18	0		0
## 88312	6	23	0		0
## 88313	5	23	0		0
## 88318	5	14	0		0
## 88320	6	19	0		0
## 88322	5	20	0		0
## 88325	11	24	0		0
## 88331	12	18	0		0
## 88336	6	15	0		0
## 88342	6	22	0		0
## 88343	6	20	0		0
## 88352	5	13	0		0
## 88353	4	14	0		0
## 88357	3	14	0		0
## 88360	7	25	0		0
## 88363	2	18	0		0
## 88365	5	12	0		0
## 88367	6	18	0		0
## 88369	11	19	0		0
## 88370	11	14	0		0
## 88372	9	29	0		0
## 88380	7	24	0		0
## 88382	7	21	0		0
## 88384	3	12	0		0
## 88385	8	30	0		0
## 88389	3	15	0		0
## 88391	NA	NA	1	B	0
## 88397	5	26	0		0
## 88401	7	11	0		0
## 88403	3	19	0		0
## 88410	10	25	0		0
## 88412	5	17	0		0
## 88414	8	11	0		0
## 88417	9	18	0		0
## 88419	6	15	0		0

## 88420	4	23	0	0
## 88424	4	12	0	0
## 88426	7	21	0	0
## 88431	5	15	0	0
## 88433	5	26	0	0
## 88434	5	19	0	0
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## 88445	4	18	0	0
## 88447	7	9	0	0
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## 88475	5	15	0	0
## 88476	3	16	0	0
## 88477	4	11	0	0
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## 88483	6	21	0	0
## 88484	6	19	0	0
## 88486	12	15	0	0
## 88487	4	13	0	0
## 88491	5	15	0	0
## 88494	3	20	0	0
## 88495	6	18	0	0
## 88498	3	12	0	0
## 88503	9	22	0	0
## 88504	5	17	0	0
## 88505	5	22	0	0
## 88509	9	16	0	0
## 88514	6	13	0	0
## 88519	5	13	0	0
## 88521	5	22	0	0
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## 88523	4	11	0	0
## 88525	6	15	0	0
## 88530	13	24	0	0
## 88531	4	17	0	0
## 88533	NA	NA	1	0
## 88538	5	26	0	0
## 88541	10	33	0	0
## 88544	3	22	0	0
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## 88548	10	30	0	0
## 88550	6	15	0	1
## 88553	11	20	0	0
## 88562	4	16	0	0
## 88563	4	18	0	0
## 88566	4	14	0	0
## 88568	3	21	0	0
## 88569	5	12	0	0

B

## 88570	6	17	0	0
## 88574	11	21	0	0
## 88577	7	21	0	0
## 88580	5	18	0	0
## 88582	8	21	0	0
## 88584	6	22	0	0
## 88587	4	13	0	0
## 88592	5	12	0	0
## 88597	3	24	0	0
## 88598	5	19	0	0
## 88608	5	11	0	0
## 88610	5	21	0	0
## 88616	9	15	0	0
## 88619	15	18	0	0
## 88624	11	28	0	0
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## 88627	12	16	0	0
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## 88635	13	11	0	0
## 88640	3	12	0	0
## 88644	9	16	0	0
## 88646	14	11	0	0
## 88649	7	18	0	0
## 88652	5	20	0	0
## 88657	7	13	0	0
## 88668	6	15	0	0
## 88673	8	11	0	0
## 88675	7	16	0	0
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## 88681	9	16	0	0
## 88683	4	12	0	0
## 88688	5	15	0	0
## 88693	7	15	0	0
## 88697	14	16	0	0
## 88704	5	25	0	0
## 88706	8	30	0	0
## 88709	6	18	0	0
## 88718	6	10	0	0
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## 88722	17	20	0	0
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## 88743	6	12	0	0
## 88754	5	14	0	0
## 88757	3	14	0	0
## 88764	5	15	0	0
## 88769	4	16	0	0
## 88771	8	13	0	0

## 88777	7	14	0	0
## 88779	6	12	0	0
## 88781	4	12	0	0
## 88782	6	12	0	0
## 88784	5	11	0	0
## 88786	8	8	0	0
## 88788	9	28	0	0
## 88790	2	17	0	0
## 88792	30	15	0	0
## 88793	7	33	0	0
## 88796	9	18	0	0
## 88800	3	20	0	0
## 88801	5	31	0	0
## 88807	4	12	0	0
## 88811	5	12	0	0
## 88817	3	33	0	0
## 88820	5	9	0	0
## 88825	7	11	0	0
## 88827	10	15	0	0
## 88828	5	43	0	0
## 88832	8	17	0	0
## 88833	5	14	0	0
## 88836	3	37	0	0
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## 88843	7	10	0	0
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## 88848	5	12	0	0
## 88849	14	16	0	0
## 88858	3	26	0	0
## 88863	8	20	0	0
## 88869	7	17	0	0
## 88870	9	12	0	0
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## 88903	9	11	0	0
## 88904	10	11	0	0
## 88907	8	31	0	0
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## 88915	7	16	0	0
## 88920	7	20	0	0
## 88924	6	27	0	0
## 88927	3	10	0	0
## 88934	5	33	0	0
## 88937	3	12	0	0
## 88938	3	13	0	0
## 88939	4	16	0	0
## 88940	7	10	0	0

```
## 88941      12      13          0          0
## 88942       5      16          0          0
## 88944      NA      NA          1          B          0
## 88945       7      16          0          0
## 88949       3      21          0          1
## 88950       6      13          0          0
## 88953       9      16          0          0
## 88954       6      16          0          0
## 88959       7      19          0          0
## 88961       8      11          0          0
## 88964       6      24          0          0
## 88967      13      11          0          0
## 88970      36      20          0          0
## 88974       7      18          0          0
## 88981       5      18          0          0
## 88982       8      20          0          0
## 88990       7      11          0          0
## 88991       3      14          0          0
## 88995       6      10          0          0
## 88998       6      33          0          0
## 89001       5      16          0          0
## 89003      10      15          0          0
## 89005      11      12          0          0
## 89007      15      14          0          0
## 89008       4       9          0          0
## 89010      27      19          0          0
## 89019       5      18          0          0
## 89022       3      15          0          0
## 89023       7      25          0          0
## 89027       4      21          0          0
## 89034       4      19          0          0
## 89038       7      22          0          0
## 89046       5      18          0          0
## 89048       2      17          0          0
## [ reached 'max' / getOption("max.print") -- omitted 222735 rows ]
```

Subsetting

```
# Extract by name - $
mpg$manufacturer
```

```
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## [6] "audi"      "audi"      "audi"      "audi"      "audi"
## [11] "audi"      "audi"      "audi"      "audi"      "audi"
## [16] "audi"      "audi"      "audi"      "chevrolet" "chevrolet"
## [21] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
## [26] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
## [31] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
## [36] "chevrolet" "chevrolet" "dodge"     "dodge"     "dodge"
## [41] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [46] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [51] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [56] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [61] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
```

```
## [66] "dodge"      "dodge"      "dodge"      "dodge"      "dodge"
## [71] "dodge"      "dodge"      "dodge"      "dodge"      "ford"
## [76] "ford"       "ford"       "ford"       "ford"       "ford"
## [81] "ford"       "ford"       "ford"       "ford"       "ford"
## [86] "ford"       "ford"       "ford"       "ford"       "ford"
## [91] "ford"       "ford"       "ford"       "ford"       "ford"
## [96] "ford"       "ford"       "ford"       "ford"       "honda"
## [101] "honda"      "honda"      "honda"      "honda"      "honda"
## [106] "honda"      "honda"      "honda"      "hyundai"    "hyundai"
## [111] "hyundai"    "hyundai"    "hyundai"    "hyundai"    "hyundai"
## [116] "hyundai"    "hyundai"    "hyundai"    "hyundai"    "hyundai"
## [121] "hyundai"    "hyundai"    "jeep"       "jeep"       "jeep"
## [126] "jeep"       "jeep"       "jeep"       "jeep"       "jeep"
## [131] "land rover" "land rover" "land rover" "land rover" "lincoln"
## [136] "lincoln"    "lincoln"    "mercury"    "mercury"    "mercury"
## [141] "mercury"    "nissan"     "nissan"     "nissan"     "nissan"
## [146] "nissan"     "nissan"     "nissan"     "nissan"     "nissan"
## [151] "nissan"     "nissan"     "nissan"     "nissan"     "pontiac"
## [156] "pontiac"    "pontiac"    "pontiac"    "pontiac"    "subaru"
## [161] "subaru"     "subaru"     "subaru"     "subaru"     "subaru"
## [166] "subaru"     "subaru"     "subaru"     "subaru"     "subaru"
## [171] "subaru"     "subaru"     "subaru"     "toyota"     "toyota"
## [176] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [181] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [186] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [191] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [196] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [201] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [206] "toyota"     "toyota"     "volkswagen" "volkswagen" "volkswagen"
## [211] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [216] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [221] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [226] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [231] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
```

```
# Extract by name - [[]]
```

```
mpg[["manufacturer"]]
```

```
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## [6] "audi"      "audi"      "audi"      "audi"      "audi"
## [11] "audi"      "audi"      "audi"      "audi"      "audi"
## [16] "audi"      "audi"      "audi"      "chevrolet" "chevrolet"
## [21] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
## [26] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
## [31] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
## [36] "chevrolet" "chevrolet" "dodge"     "dodge"     "dodge"
## [41] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [46] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [51] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [56] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [61] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [66] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [71] "dodge"     "dodge"     "dodge"     "dodge"     "ford"
## [76] "ford"      "ford"      "ford"      "ford"      "ford"
## [81] "ford"      "ford"      "ford"      "ford"      "ford"
```

```
## [86] "ford"      "ford"      "ford"      "ford"      "ford"
## [91] "ford"      "ford"      "ford"      "ford"      "ford"
## [96] "ford"      "ford"      "ford"      "ford"      "honda"
## [101] "honda"     "honda"     "honda"     "honda"     "honda"
## [106] "honda"     "honda"     "honda"     "hyundai"   "hyundai"
## [111] "hyundai"   "hyundai"   "hyundai"   "hyundai"   "hyundai"
## [116] "hyundai"   "hyundai"   "hyundai"   "hyundai"   "hyundai"
## [121] "hyundai"   "hyundai"   "jeep"      "jeep"      "jeep"
## [126] "jeep"      "jeep"      "jeep"      "jeep"      "jeep"
## [131] "land rover" "land rover" "land rover" "land rover" "lincoln"
## [136] "lincoln"   "lincoln"   "mercury"    "mercury"    "mercury"
## [141] "mercury"   "nissan"     "nissan"     "nissan"     "nissan"
## [146] "nissan"     "nissan"     "nissan"     "nissan"     "nissan"
## [151] "nissan"     "nissan"     "nissan"     "nissan"     "pontiac"
## [156] "pontiac"   "pontiac"   "pontiac"   "pontiac"   "subaru"
## [161] "subaru"    "subaru"    "subaru"    "subaru"    "subaru"
## [166] "subaru"    "subaru"    "subaru"    "subaru"    "subaru"
## [171] "subaru"    "subaru"    "subaru"    "toyota"    "toyota"
## [176] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
## [181] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
## [186] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
## [191] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
## [196] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
## [201] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
## [206] "toyota"    "toyota"    "volkswagen" "volkswagen" "volkswagen"
## [211] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [216] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [221] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [226] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [231] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
```

Extract by position - [[]]

```
mpg[[1]]
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```
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## [6] "audi"      "audi"      "audi"      "audi"      "audi"
## [11] "audi"      "audi"      "audi"      "audi"      "audi"
## [16] "audi"      "audi"      "audi"      "chevrolet"  "chevrolet"
## [21] "chevrolet" "chevrolet" "chevrolet" "chevrolet"  "chevrolet"
## [26] "chevrolet" "chevrolet" "chevrolet" "chevrolet"  "chevrolet"
## [31] "chevrolet" "chevrolet" "chevrolet" "chevrolet"  "chevrolet"
## [36] "chevrolet" "chevrolet" "dodge"     "dodge"     "dodge"
## [41] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [46] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [51] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [56] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [61] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [66] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [71] "dodge"     "dodge"     "dodge"     "dodge"     "ford"
## [76] "ford"      "ford"      "ford"      "ford"      "ford"
## [81] "ford"      "ford"      "ford"      "ford"      "ford"
## [86] "ford"      "ford"      "ford"      "ford"      "ford"
## [91] "ford"      "ford"      "ford"      "ford"      "ford"
## [96] "ford"      "ford"      "ford"      "ford"      "honda"
## [101] "honda"     "honda"     "honda"     "honda"     "honda"
```



```
## [106] "honda"      "honda"      "honda"      "hyundai"    "hyundai"
## [111] "hyundai"    "hyundai"    "hyundai"    "hyundai"    "hyundai"
## [116] "hyundai"    "hyundai"    "hyundai"    "hyundai"    "hyundai"
## [121] "hyundai"    "hyundai"    "jeep"       "jeep"       "jeep"
## [126] "jeep"       "jeep"       "jeep"       "jeep"       "jeep"
## [131] "land rover" "land rover" "land rover" "land rover" "lincoln"
## [136] "lincoln"    "lincoln"    "mercury"    "mercury"    "mercury"
## [141] "mercury"    "nissan"      "nissan"      "nissan"      "nissan"
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## [151] "nissan"      "nissan"      "nissan"      "nissan"      "pontiac"
## [156] "pontiac"    "pontiac"    "pontiac"    "pontiac"    "subaru"
## [161] "subaru"     "subaru"     "subaru"     "subaru"     "subaru"
## [166] "subaru"     "subaru"     "subaru"     "subaru"     "subaru"
## [171] "subaru"     "subaru"     "subaru"     "toyota"     "toyota"
## [176] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
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## [201] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [206] "toyota"     "toyota"     "volkswagen" "volkswagen" "volkswagen"
## [211] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [216] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [221] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [226] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [231] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
```

Using with a pipe operator

```
mpg %>% .$manufacturer
```

```
## [1] "audi"      "audi"      "audi"      "audi"      "audi"
## [6] "audi"      "audi"      "audi"      "audi"      "audi"
## [11] "audi"      "audi"      "audi"      "audi"      "audi"
## [16] "audi"      "audi"      "audi"      "chevrolet"  "chevrolet"
## [21] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
## [26] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
## [31] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
## [36] "chevrolet" "chevrolet" "dodge"     "dodge"     "dodge"
## [41] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [46] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [51] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [56] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [61] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [66] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [71] "dodge"     "dodge"     "dodge"     "dodge"     "ford"
## [76] "ford"      "ford"      "ford"      "ford"      "ford"
## [81] "ford"      "ford"      "ford"      "ford"      "ford"
## [86] "ford"      "ford"      "ford"      "ford"      "ford"
## [91] "ford"      "ford"      "ford"      "ford"      "ford"
## [96] "ford"      "ford"      "ford"      "ford"      "honda"
## [101] "honda"     "honda"     "honda"     "honda"     "honda"
## [106] "honda"     "honda"     "honda"     "hyundai"    "hyundai"
## [111] "hyundai"    "hyundai"    "hyundai"    "hyundai"    "hyundai"
## [116] "hyundai"    "hyundai"    "hyundai"    "hyundai"    "hyundai"
## [121] "hyundai"    "hyundai"    "jeep"      "jeep"      "jeep"
```

```
## [126] "jeep"      "jeep"      "jeep"      "jeep"      "jeep"
## [131] "land rover" "land rover" "land rover" "land rover" "lincoln"
## [136] "lincoln"   "lincoln"   "mercury"   "mercury"   "mercury"
## [141] "mercury"   "nissan"     "nissan"     "nissan"     "nissan"
## [146] "nissan"     "nissan"     "nissan"     "nissan"     "nissan"
## [151] "nissan"     "nissan"     "nissan"     "nissan"     "pontiac"
## [156] "pontiac"   "pontiac"   "pontiac"   "pontiac"   "subaru"
## [161] "subaru"    "subaru"    "subaru"    "subaru"    "subaru"
## [166] "subaru"    "subaru"    "subaru"    "subaru"    "subaru"
## [171] "subaru"    "subaru"    "subaru"    "toyota"    "toyota"
## [176] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
## [181] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
## [186] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
## [191] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
## [196] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
## [201] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
## [206] "toyota"    "toyota"    "volkswagen" "volkswagen" "volkswagen"
## [211] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [216] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [221] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [226] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [231] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
```

```
mpg %>% .[["manufacturer"]]
```

```
## [1] "audi"      "audi"      "audi"      "audi"      "audi"
## [6] "audi"      "audi"      "audi"      "audi"      "audi"
## [11] "audi"      "audi"      "audi"      "audi"      "audi"
## [16] "audi"      "audi"      "audi"      "chevrolet" "chevrolet"
## [21] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
## [26] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
## [31] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
## [36] "chevrolet" "chevrolet" "dodge"     "dodge"     "dodge"
## [41] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [46] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [51] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [56] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [61] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [66] "dodge"     "dodge"     "dodge"     "dodge"     "dodge"
## [71] "dodge"     "dodge"     "dodge"     "dodge"     "ford"
## [76] "ford"      "ford"      "ford"      "ford"      "ford"
## [81] "ford"      "ford"      "ford"      "ford"      "ford"
## [86] "ford"      "ford"      "ford"      "ford"      "ford"
## [91] "ford"      "ford"      "ford"      "ford"      "ford"
## [96] "ford"      "ford"      "ford"      "ford"      "honda"
## [101] "honda"     "honda"     "honda"     "honda"     "honda"
## [106] "honda"     "honda"     "honda"     "hyundai"   "hyundai"
## [111] "hyundai"   "hyundai"   "hyundai"   "hyundai"   "hyundai"
## [116] "hyundai"   "hyundai"   "hyundai"   "hyundai"   "hyundai"
## [121] "hyundai"   "hyundai"   "jeep"      "jeep"      "jeep"
## [126] "jeep"      "jeep"      "jeep"      "jeep"      "jeep"
## [131] "land rover" "land rover" "land rover" "land rover" "lincoln"
## [136] "lincoln"   "lincoln"   "mercury"   "mercury"   "mercury"
## [141] "mercury"   "nissan"     "nissan"     "nissan"     "nissan"
## [146] "nissan"     "nissan"     "nissan"     "nissan"     "nissan"
```

```
## [151] "nissan"      "nissan"      "nissan"      "nissan"      "pontiac"
## [156] "pontiac"    "pontiac"    "pontiac"    "pontiac"    "subaru"
## [161] "subaru"     "subaru"     "subaru"     "subaru"     "subaru"
## [166] "subaru"     "subaru"     "subaru"     "subaru"     "subaru"
## [171] "subaru"     "subaru"     "subaru"     "toyota"     "toyota"
## [176] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [181] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [186] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [191] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [196] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [201] "toyota"     "toyota"     "toyota"     "toyota"     "toyota"
## [206] "toyota"     "toyota"     "volkswagen" "volkswagen" "volkswagen"
## [211] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [216] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [221] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [226] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
## [231] "volkswagen" "volkswagen" "volkswagen" "volkswagen" "volkswagen"
```

Read files

```
# Read inline csv file
read_csv("c1,c2,c3
         1,a,T,
         2,b,T,
         3,c,F")
```

```
## # A tibble: 3 x 3
##   c1 c2   c3
##   <dbl> <chr> <chr>
## 1     1 a     T,
## 2     2 b     T,
## 3     3 c     F
```

```
# Inline files with a meta header lines
read_csv("First meta line
         Second meta line
         c1,c2,c3
         1,a,T,
         2,b,T,
         3,c,F", skip = 2)
```

```
## # A tibble: 3 x 3
##   c1 c2   c3
##   <dbl> <chr> <chr>
## 1     1 a     T,
## 2     2 b     T,
## 3     3 c     F
```

```
# Inline files with comments
read_csv("c1,c2,c3 # comment
         1,a,T,    # comment
         2,b,T,
         3,c,F", comment = "#")
```

```
## # A tibble: 3 x 3
##   c1 c2   c3
```

```
##      <dbl> <chr> <chr>
## 1      1 a      T,
## 2      2 b      T,
## 3      3 c      F
```

Read comma separated files - .csv from your disk

```
# Small mpg table
df <- read_csv(file = "./data/mpg_mini.csv")
```

```
# Small mpg table (column separator = ";")
df <- read_csv2(file = "./data/mpg_mini2.csv")
```

```
# Read tab separated files - .tsv from your disk
df <- read_tsv(file = "./data/mpg.tsv")
```

```
# Read files with selected delimiter
df <- read_delim(file = "./data/mpg_delim.txt", delim = "~")
```

```
# Read text file:
# - " " as separator
# - decimal separator ","
# - quotations around strings
# - meta lines in header
# - empty lines
# - missing values
df <- read_delim(file = "./data/mpg.txt",
                  col_names = T,
                  skip = 3,
                  skip_empty_rows = T,
                  delim = " ",
                  quote = "\"",
                  na = "")
```

```
# Read log based file:
read_log(file = "./data/example.log")
```

```
## # A tibble: 2 x 7
##   X1      X2    X3      X4      X5      X6    X7
##   <chr>   <lgl> <chr>   <chr>   <chr> <dbl> <dbl>
## 1 172.21.13.45 NA   "Microsoft\\JohnDoe" 08/Apr/2001:17:39:0~ GET ~    200 3401
## 2 127.0.0.1   NA   "frank" 10/Oct/2000:13:55:3~ GET ~    200 2326
```

```
# Read large .csv file
# - read.csv VS read_csv
# - execution times
system.time(df <- read_csv(file = "./data/mpg_maxi.csv"))
```

```
##   user system elapsed
##  2.29   0.09   2.42
```

```
system.time(df <- read_csv(file = "./data/mpg_maxi.csv"))
```

```
##   user system elapsed
##  1.04   0.08   0.50
```

Vector parsing

```
# Parse character vector
parse_character(c("one", "two", "three"))

## [1] "one" "two" "three"

parse_character(c("one", "two", 3))

## [1] "one" "two" "3"

# Other type encoding
konnichiwa <- "\x82\xb1\x82\xf1\x82\xc9\x82\xbf\x82\xcd" # Japanese word
parse_character(konnichiwa) # UTF-8 encoding by default

## [1] "\x82\xb1\x82\xf1\x82\xbf\x82\xcd"

parse_character(konnichiwa, locale = locale(encoding = "Shift-JIS")) # switch encoding

## [1] "こんにちは"

# Parse logical vector
parse_logical(c("TRUE", "FALSE", "T", "F"))

## [1] TRUE FALSE TRUE FALSE

parse_logical(c("TRUE", "FALSE", "T", "F", "NA"))

## [1] TRUE FALSE TRUE FALSE NA

# check parsing problems
x <- parse_logical(c("TRUE", "FALSE", "T", "F", "NA", "string"))
problems(x)

## # A tibble: 1 x 4
##   row col expected      actual
##   <int> <int> <chr>      <chr>
## 1     6    NA 1/0/T/F/TRUE/FALSE string

# Parse integer vector
parse_integer(c("10", "20", "30", "40"))

## [1] 10 20 30 40

parse_integer(c("10", "20", "30", "40.5"))

## [1] 10 20 30 NA
## attr(,"problems")
## # A tibble: 1 x 4
##   row col expected      actual
##   <int> <int> <chr>      <chr>
## 1     4    NA no trailing characters 40.5

# Parse factor
parse_factor(c("one", "two", "one"))

## [1] one two one
## Levels: one two

parse_factor(c("one", "two", "one"), levels = c("two", "one"))

## [1] one two one
```

```

## Levels: two one
# Parse double vector
parse_double(c("11.7", "4.13"))

## [1] 11.70  4.13
# Different decimal mark
parse_double(c("11,7", "4,13"))

## [1] NA NA
## attr(,"problems")
## # A tibble: 2 x 4
##   row col expected      actual
##   <int> <int> <chr>      <chr>
## 1     1     NA no trailing characters 11,7
## 2     2     NA no trailing characters 4,13
parse_double(c("11,7", "4,13"),
             locale = locale(decimal_mark = ","))

## [1] 11.70  4.13
# Parse number
parse_number(c("1", "2.2", "$1000", "20%", "1,000"))

## [1]      1.0      2.2 1000.0    20.0 1000.0
# Grouping mark specified
parse_number(c("100,000.2"), locale = locale(grouping_mark = ","))

## [1] 100000.2
# Parse date
parse_date("2021-12-31")

## [1] "2021-12-31"
# Specify date format
parse_date("20211231", "%Y%m%d")

## [1] "2021-12-31"
parse_date("21/12/31", "%y/%m/%d")

## [1] "2021-12-31"
# Parse time
parse_time("00:01")

## 00:01:00
parse_time("00:01 am")

## 00:01:00
parse_time("00:01:00")

## 00:01:00
# Parse datetime
parse_datetime("2021-12-31 00:01")

```

```
## [1] "2021-12-31 00:01:00 UTC"
```

File parsing

```
# Guess parser heuristic  
guess_parser(c("T", "F"))
```

```
## [1] "logical"
```

```
guess_parser("2021-12-31")
```

```
## [1] "date"
```

```
guess_parser("2021-12-31 00:01")
```

```
## [1] "datetime"
```

```
guess_parser(c("5", "10"))
```

```
## [1] "double"
```

```
# Parse each column mpg table  
read_tsv(file = "./data/mpg.tsv",  
  col_types = cols(  
    manufacturer = col_factor(),  
    model = col_factor(),  
    displ = col_double(),  
    year = col_integer(),  
    cyl = col_integer(),  
    trans = col_character(),  
    drv = col_character(),  
    cty = col_number(),  
    hwy = col_number(),  
    fl = col_character(),  
    class = col_character()  
  ))
```

```
## # A tibble: 234 x 11
```

	manufacturer	model	displ	year	cyl	trans	drv	cty	hwy	fl	class
	<fct>	<fct>	<dbl>	<int>	<int>	<chr>	<chr>	<dbl>	<dbl>	<chr>	<chr>
## 1	audi	a4	1.8	1999	4	auto~	f	18	29	p	comp~
## 2	audi	a4	1.8	1999	4	manu~	f	21	29	p	comp~
## 3	audi	a4	2	2008	4	manu~	f	20	31	p	comp~
## 4	audi	a4	2	2008	4	auto~	f	21	30	p	comp~
## 5	audi	a4	2.8	1999	6	auto~	f	16	26	p	comp~
## 6	audi	a4	2.8	1999	6	manu~	f	18	26	p	comp~
## 7	audi	a4	3.1	2008	6	auto~	f	18	27	p	comp~
## 8	audi	a4 quattro	1.8	1999	4	manu~	4	18	26	p	comp~
## 9	audi	a4 quattro	1.8	1999	4	auto~	4	16	25	p	comp~
## 10	audi	a4 quattro	2	2008	4	manu~	4	20	28	p	comp~

```
## # i 224 more rows
```

```
# Import table  
# - do not specify column types at import  
# - change column types inside R  
read_tsv(file = "./data/mpg.tsv") %>%  
  mutate_at(.vars = c("year", "cyl"), .funs = as.integer) %>% # integer conversion  
  mutate_at(.vars = c("manufacturer", "model"), .funs = as.factor) # factor conversion
```

```
## # A tibble: 234 x 11
##   manufacturer model    displ  year  cyl trans drv   cty   hwy fl   class
##   <fct>          <fct>    <dbl> <int> <int> <chr> <chr> <dbl> <dbl> <chr> <chr>
## 1 audi          a4        1.8  1999    4 auto~ f    18    29 p    comp~
## 2 audi          a4        1.8  1999    4 manu~ f    21    29 p    comp~
## 3 audi          a4        2    2008    4 manu~ f    20    31 p    comp~
## 4 audi          a4        2    2008    4 auto~ f    21    30 p    comp~
## 5 audi          a4        2.8  1999    6 auto~ f    16    26 p    comp~
## 6 audi          a4        2.8  1999    6 manu~ f    18    26 p    comp~
## 7 audi          a4        3.1  2008    6 auto~ f    18    27 p    comp~
## 8 audi          a4 quattro  1.8  1999    4 manu~ 4    18    26 p    comp~
## 9 audi          a4 quattro  1.8  1999    4 auto~ 4    16    25 p    comp~
## 10 audi         a4 quattro  2    2008    4 manu~ 4    20    28 p    comp~
## # i 224 more rows
```

Other useful import libraries

```
# readxl
read_excel(path = "./data/mpg.xlsx")
```

```
## # A tibble: 234 x 11
##   manufacturer model    displ  year  cyl trans drv   cty   hwy fl   class
##   <chr>          <chr>    <dbl> <dbl> <dbl> <chr> <chr> <dbl> <dbl> <chr> <chr>
## 1 audi          a4        1.8  1999    4 auto~ f    18    29 p    comp~
## 2 audi          a4        1.8  1999    4 manu~ f    21    29 p    comp~
## 3 audi          a4        2    2008    4 manu~ f    20    31 p    comp~
## 4 audi          a4        2    2008    4 auto~ f    21    30 p    comp~
## 5 audi          a4        2.8  1999    6 auto~ f    16    26 p    comp~
## 6 audi          a4        2.8  1999    6 manu~ f    18    26 p    comp~
## 7 audi          a4        3.1  2008    6 auto~ f    18    27 p    comp~
## 8 audi          a4 quattro  1.8  1999    4 manu~ 4    18    26 p    comp~
## 9 audi          a4 quattro  1.8  1999    4 auto~ 4    16    25 p    comp~
## 10 audi         a4 quattro  2    2008    4 manu~ 4    20    28 p    comp~
## # i 224 more rows
```

```
read_excel(path = "./data/mpg.xlsx", sheet = "Sheet 1") # specify sheet
```

```
## # A tibble: 234 x 11
##   manufacturer model    displ  year  cyl trans drv   cty   hwy fl   class
##   <chr>          <chr>    <dbl> <dbl> <dbl> <chr> <chr> <dbl> <dbl> <chr> <chr>
## 1 audi          a4        1.8  1999    4 auto~ f    18    29 p    comp~
## 2 audi          a4        1.8  1999    4 manu~ f    21    29 p    comp~
## 3 audi          a4        2    2008    4 manu~ f    20    31 p    comp~
## 4 audi          a4        2    2008    4 auto~ f    21    30 p    comp~
## 5 audi          a4        2.8  1999    6 auto~ f    16    26 p    comp~
## 6 audi          a4        2.8  1999    6 manu~ f    18    26 p    comp~
## 7 audi          a4        3.1  2008    6 auto~ f    18    27 p    comp~
## 8 audi          a4 quattro  1.8  1999    4 manu~ 4    18    26 p    comp~
## 9 audi          a4 quattro  1.8  1999    4 auto~ 4    16    25 p    comp~
## 10 audi         a4 quattro  2    2008    4 manu~ 4    20    28 p    comp~
## # i 224 more rows
```

```
read_excel(path = "./data/mpg.xlsx", range = "A1:C10") # specify range
```



```
## # A tibble: 9 x 3
##   manufacturer model      displ
##   <chr>         <chr>      <dbl>
## 1 audi          a4          1.8
## 2 audi          a4          1.8
## 3 audi          a4          2
## 4 audi          a4          2
## 5 audi          a4          2.8
## 6 audi          a4          2.8
## 7 audi          a4          3.1
## 8 audi          a4 quattro  1.8
## 9 audi          a4 quattro  1.8
```

```
read_excel(path = "./data/mpg.xlsx") %>% class()
```

```
## [1] "tbl_df"      "tbl"        "data.frame"
```

```
# rio
rio::import(file = "./data/mpg.xlsx")
```

```
##   manufacturer      model displ year cyl  trans drv  cty   hwy
## 1      audi          a4    1.8  1999   4  auto(l5) f    18   29
## 2      audi          a4    1.8  1999   4 manual(m5) f    21   29
## 3      audi          a4    2.0  2008   4 manual(m6) f    20   31
## 4      audi          a4    2.0  2008   4  auto(av) f    21   30
## 5      audi          a4    2.8  1999   6  auto(l5) f    16   26
## 6      audi          a4    2.8  1999   6 manual(m5) f    18   26
## 7      audi          a4    3.1  2008   6  auto(av) f    18   27
## 8      audi      a4 quattro  1.8  1999   4 manual(m5) 4    18   26
## 9      audi      a4 quattro  1.8  1999   4  auto(l5) 4    16   25
## 10     audi      a4 quattro  2.0  2008   4 manual(m6) 4    20   28
## 11     audi      a4 quattro  2.0  2008   4  auto(s6) 4    19   27
## 12     audi      a4 quattro  2.8  1999   6  auto(l5) 4    15   25
## 13     audi      a4 quattro  2.8  1999   6 manual(m5) 4    17   25
## 14     audi      a4 quattro  3.1  2008   6  auto(s6) 4    17   25
## 15     audi      a4 quattro  3.1  2008   6 manual(m6) 4    15   25
## 16     audi      a6 quattro  2.8  1999   6  auto(l5) 4    15   24
## 17     audi      a6 quattro  3.1  2008   6  auto(s6) 4    17   25
## 18     audi      a6 quattro  4.2  2008   8  auto(s6) 4    16   23
## 19  chevrolet  c1500 suburban 2wd  5.3  2008   8  auto(l4) r    14   20
## 20  chevrolet  c1500 suburban 2wd  5.3  2008   8  auto(l4) r    11   15
## 21  chevrolet  c1500 suburban 2wd  5.3  2008   8  auto(l4) r    14   20
## 22  chevrolet  c1500 suburban 2wd  5.7  1999   8  auto(l4) r    13   17
## 23  chevrolet  c1500 suburban 2wd  6.0  2008   8  auto(l4) r    12   17
## 24  chevrolet      corvette  5.7  1999   8 manual(m6) r    16   26
## 25  chevrolet      corvette  5.7  1999   8  auto(l4) r    15   23
## 26  chevrolet      corvette  6.2  2008   8 manual(m6) r    16   26
## 27  chevrolet      corvette  6.2  2008   8  auto(s6) r    15   25
## 28  chevrolet      corvette  7.0  2008   8 manual(m6) r    15   24
## 29  chevrolet      k1500 tahoe 4wd  5.3  2008   8  auto(l4) 4    14   19
## 30  chevrolet      k1500 tahoe 4wd  5.3  2008   8  auto(l4) 4    11   14
## 31  chevrolet      k1500 tahoe 4wd  5.7  1999   8  auto(l4) 4    11   15
## 32  chevrolet      k1500 tahoe 4wd  6.5  1999   8  auto(l4) 4    14   17
## 33  chevrolet      malibu    2.4  1999   4  auto(l4) f    19   27
## 34  chevrolet      malibu    2.4  2008   4  auto(l4) f    22   30
```

## 35	chevrolet	malibu	3.1	1999	6	auto(14)	f	18	26
## 36	chevrolet	malibu	3.5	2008	6	auto(14)	f	18	29
## 37	chevrolet	malibu	3.6	2008	6	auto(s6)	f	17	26
## 38	dodge	caravan 2wd	2.4	1999	4	auto(13)	f	18	24
## 39	dodge	caravan 2wd	3.0	1999	6	auto(14)	f	17	24
## 40	dodge	caravan 2wd	3.3	1999	6	auto(14)	f	16	22
## 41	dodge	caravan 2wd	3.3	1999	6	auto(14)	f	16	22
## 42	dodge	caravan 2wd	3.3	2008	6	auto(14)	f	17	24
## 43	dodge	caravan 2wd	3.3	2008	6	auto(14)	f	17	24
## 44	dodge	caravan 2wd	3.3	2008	6	auto(14)	f	11	17
## 45	dodge	caravan 2wd	3.8	1999	6	auto(14)	f	15	22
## 46	dodge	caravan 2wd	3.8	1999	6	auto(14)	f	15	21
## 47	dodge	caravan 2wd	3.8	2008	6	auto(16)	f	16	23
## 48	dodge	caravan 2wd	4.0	2008	6	auto(16)	f	16	23
## 49	dodge	dakota pickup 4wd	3.7	2008	6	manual(m6)	4	15	19
## 50	dodge	dakota pickup 4wd	3.7	2008	6	auto(14)	4	14	18
## 51	dodge	dakota pickup 4wd	3.9	1999	6	auto(14)	4	13	17
## 52	dodge	dakota pickup 4wd	3.9	1999	6	manual(m5)	4	14	17
## 53	dodge	dakota pickup 4wd	4.7	2008	8	auto(15)	4	14	19
## 54	dodge	dakota pickup 4wd	4.7	2008	8	auto(15)	4	14	19
## 55	dodge	dakota pickup 4wd	4.7	2008	8	auto(15)	4	9	12
## 56	dodge	dakota pickup 4wd	5.2	1999	8	manual(m5)	4	11	17
## 57	dodge	dakota pickup 4wd	5.2	1999	8	auto(14)	4	11	15
## 58	dodge	durango 4wd	3.9	1999	6	auto(14)	4	13	17
## 59	dodge	durango 4wd	4.7	2008	8	auto(15)	4	13	17
## 60	dodge	durango 4wd	4.7	2008	8	auto(15)	4	9	12
## 61	dodge	durango 4wd	4.7	2008	8	auto(15)	4	13	17
## 62	dodge	durango 4wd	5.2	1999	8	auto(14)	4	11	16
## 63	dodge	durango 4wd	5.7	2008	8	auto(15)	4	13	18
## 64	dodge	durango 4wd	5.9	1999	8	auto(14)	4	11	15
## 65	dodge	ram 1500 pickup 4wd	4.7	2008	8	manual(m6)	4	12	16
## 66	dodge	ram 1500 pickup 4wd	4.7	2008	8	auto(15)	4	9	12
## 67	dodge	ram 1500 pickup 4wd	4.7	2008	8	auto(15)	4	13	17
## 68	dodge	ram 1500 pickup 4wd	4.7	2008	8	auto(15)	4	13	17
## 69	dodge	ram 1500 pickup 4wd	4.7	2008	8	manual(m6)	4	12	16
## 70	dodge	ram 1500 pickup 4wd	4.7	2008	8	manual(m6)	4	9	12
## 71	dodge	ram 1500 pickup 4wd	5.2	1999	8	auto(14)	4	11	15
## 72	dodge	ram 1500 pickup 4wd	5.2	1999	8	manual(m5)	4	11	16
## 73	dodge	ram 1500 pickup 4wd	5.7	2008	8	auto(15)	4	13	17
## 74	dodge	ram 1500 pickup 4wd	5.9	1999	8	auto(14)	4	11	15
## 75	ford	expedition 2wd	4.6	1999	8	auto(14)	r	11	17
## 76	ford	expedition 2wd	5.4	1999	8	auto(14)	r	11	17
## 77	ford	expedition 2wd	5.4	2008	8	auto(16)	r	12	18
## 78	ford	explorer 4wd	4.0	1999	6	auto(15)	4	14	17
## 79	ford	explorer 4wd	4.0	1999	6	manual(m5)	4	15	19
## 80	ford	explorer 4wd	4.0	1999	6	auto(15)	4	14	17
## 81	ford	explorer 4wd	4.0	2008	6	auto(15)	4	13	19
## 82	ford	explorer 4wd	4.6	2008	8	auto(16)	4	13	19
## 83	ford	explorer 4wd	5.0	1999	8	auto(14)	4	13	17
## 84	ford	f150 pickup 4wd	4.2	1999	6	auto(14)	4	14	17
## 85	ford	f150 pickup 4wd	4.2	1999	6	manual(m5)	4	14	17
## 86	ford	f150 pickup 4wd	4.6	1999	8	manual(m5)	4	13	16
## 87	ford	f150 pickup 4wd	4.6	1999	8	auto(14)	4	13	16
## 88	ford	f150 pickup 4wd	4.6	2008	8	auto(14)	4	13	17

## 89	ford	f150 pickup 4wd	5.4	1999	8	auto(14)	4	11	15
## 90	ford	f150 pickup 4wd	5.4	2008	8	auto(14)	4	13	17
## 91	ford	mustang	3.8	1999	6	manual(m5)	r	18	26
## 92	ford	mustang	3.8	1999	6	auto(14)	r	18	25
## 93	ford	mustang	4.0	2008	6	manual(m5)	r	17	26
## 94	ford	mustang	4.0	2008	6	auto(15)	r	16	24
## 95	ford	mustang	4.6	1999	8	auto(14)	r	15	21
## 96	ford	mustang	4.6	1999	8	manual(m5)	r	15	22
## 97	ford	mustang	4.6	2008	8	manual(m5)	r	15	23
## 98	ford	mustang	4.6	2008	8	auto(15)	r	15	22
## 99	ford	mustang	5.4	2008	8	manual(m6)	r	14	20
## 100	honda	civic	1.6	1999	4	manual(m5)	f	28	33
## 101	honda	civic	1.6	1999	4	auto(14)	f	24	32
## 102	honda	civic	1.6	1999	4	manual(m5)	f	25	32
## 103	honda	civic	1.6	1999	4	manual(m5)	f	23	29
## 104	honda	civic	1.6	1999	4	auto(14)	f	24	32
## 105	honda	civic	1.8	2008	4	manual(m5)	f	26	34
## 106	honda	civic	1.8	2008	4	auto(15)	f	25	36
## 107	honda	civic	1.8	2008	4	auto(15)	f	24	36
## 108	honda	civic	2.0	2008	4	manual(m6)	f	21	29
## 109	hyundai	sonata	2.4	1999	4	auto(14)	f	18	26
## 110	hyundai	sonata	2.4	1999	4	manual(m5)	f	18	27
## 111	hyundai	sonata	2.4	2008	4	auto(14)	f	21	30
## 112	hyundai	sonata	2.4	2008	4	manual(m5)	f	21	31
## 113	hyundai	sonata	2.5	1999	6	auto(14)	f	18	26
## 114	hyundai	sonata	2.5	1999	6	manual(m5)	f	18	26
## 115	hyundai	sonata	3.3	2008	6	auto(15)	f	19	28
## 116	hyundai	tiburon	2.0	1999	4	auto(14)	f	19	26
## 117	hyundai	tiburon	2.0	1999	4	manual(m5)	f	19	29
## 118	hyundai	tiburon	2.0	2008	4	manual(m5)	f	20	28
## 119	hyundai	tiburon	2.0	2008	4	auto(14)	f	20	27
## 120	hyundai	tiburon	2.7	2008	6	auto(14)	f	17	24
## 121	hyundai	tiburon	2.7	2008	6	manual(m6)	f	16	24
## 122	hyundai	tiburon	2.7	2008	6	manual(m5)	f	17	24
## 123	jeep	grand cherokee 4wd	3.0	2008	6	auto(15)	4	17	22
## 124	jeep	grand cherokee 4wd	3.7	2008	6	auto(15)	4	15	19
## 125	jeep	grand cherokee 4wd	4.0	1999	6	auto(14)	4	15	20
## 126	jeep	grand cherokee 4wd	4.7	1999	8	auto(14)	4	14	17
## 127	jeep	grand cherokee 4wd	4.7	2008	8	auto(15)	4	9	12
## 128	jeep	grand cherokee 4wd	4.7	2008	8	auto(15)	4	14	19
## 129	jeep	grand cherokee 4wd	5.7	2008	8	auto(15)	4	13	18
## 130	jeep	grand cherokee 4wd	6.1	2008	8	auto(15)	4	11	14
## 131	land rover	range rover	4.0	1999	8	auto(14)	4	11	15
## 132	land rover	range rover	4.2	2008	8	auto(s6)	4	12	18
## 133	land rover	range rover	4.4	2008	8	auto(s6)	4	12	18
## 134	land rover	range rover	4.6	1999	8	auto(14)	4	11	15
## 135	lincoln	navigator 2wd	5.4	1999	8	auto(14)	r	11	17
## 136	lincoln	navigator 2wd	5.4	1999	8	auto(14)	r	11	16
## 137	lincoln	navigator 2wd	5.4	2008	8	auto(16)	r	12	18
## 138	mercury	mountaineer 4wd	4.0	1999	6	auto(15)	4	14	17
## 139	mercury	mountaineer 4wd	4.0	2008	6	auto(15)	4	13	19
## 140	mercury	mountaineer 4wd	4.6	2008	8	auto(16)	4	13	19
## 141	mercury	mountaineer 4wd	5.0	1999	8	auto(14)	4	13	17
## 142	nissan	altima	2.4	1999	4	manual(m5)	f	21	29

## 143	nissan	altima	2.4	1999	4	auto(l4)	f	19	27
## 144	nissan	altima	2.5	2008	4	auto(av)	f	23	31
## 145	nissan	altima	2.5	2008	4	manual(m6)	f	23	32
## 146	nissan	altima	3.5	2008	6	manual(m6)	f	19	27
## 147	nissan	altima	3.5	2008	6	auto(av)	f	19	26
## 148	nissan	maxima	3.0	1999	6	auto(l4)	f	18	26
## 149	nissan	maxima	3.0	1999	6	manual(m5)	f	19	25
## 150	nissan	maxima	3.5	2008	6	auto(av)	f	19	25
## 151	nissan	pathfinder 4wd	3.3	1999	6	auto(l4)	4	14	17
## 152	nissan	pathfinder 4wd	3.3	1999	6	manual(m5)	4	15	17
## 153	nissan	pathfinder 4wd	4.0	2008	6	auto(l5)	4	14	20
## 154	nissan	pathfinder 4wd	5.6	2008	8	auto(s5)	4	12	18
## 155	pontiac	grand prix	3.1	1999	6	auto(l4)	f	18	26
## 156	pontiac	grand prix	3.8	1999	6	auto(l4)	f	16	26
## 157	pontiac	grand prix	3.8	1999	6	auto(l4)	f	17	27
## 158	pontiac	grand prix	3.8	2008	6	auto(l4)	f	18	28
## 159	pontiac	grand prix	5.3	2008	8	auto(s4)	f	16	25
## 160	subaru	forester awd	2.5	1999	4	manual(m5)	4	18	25
## 161	subaru	forester awd	2.5	1999	4	auto(l4)	4	18	24
## 162	subaru	forester awd	2.5	2008	4	manual(m5)	4	20	27
## 163	subaru	forester awd	2.5	2008	4	manual(m5)	4	19	25
## 164	subaru	forester awd	2.5	2008	4	auto(l4)	4	20	26
## 165	subaru	forester awd	2.5	2008	4	auto(l4)	4	18	23
## 166	subaru	impreza awd	2.2	1999	4	auto(l4)	4	21	26
## 167	subaru	impreza awd	2.2	1999	4	manual(m5)	4	19	26
## 168	subaru	impreza awd	2.5	1999	4	manual(m5)	4	19	26
## 169	subaru	impreza awd	2.5	1999	4	auto(l4)	4	19	26
## 170	subaru	impreza awd	2.5	2008	4	auto(s4)	4	20	25
## 171	subaru	impreza awd	2.5	2008	4	auto(s4)	4	20	27
## 172	subaru	impreza awd	2.5	2008	4	manual(m5)	4	19	25
## 173	subaru	impreza awd	2.5	2008	4	manual(m5)	4	20	27
## 174	toyota	4runner 4wd	2.7	1999	4	manual(m5)	4	15	20
## 175	toyota	4runner 4wd	2.7	1999	4	auto(l4)	4	16	20
## 176	toyota	4runner 4wd	3.4	1999	6	auto(l4)	4	15	19
## 177	toyota	4runner 4wd	3.4	1999	6	manual(m5)	4	15	17
## 178	toyota	4runner 4wd	4.0	2008	6	auto(l5)	4	16	20
## 179	toyota	4runner 4wd	4.7	2008	8	auto(l5)	4	14	17
## 180	toyota	camry	2.2	1999	4	manual(m5)	f	21	29
## 181	toyota	camry	2.2	1999	4	auto(l4)	f	21	27
## 182	toyota	camry	2.4	2008	4	manual(m5)	f	21	31
## 183	toyota	camry	2.4	2008	4	auto(l5)	f	21	31
## 184	toyota	camry	3.0	1999	6	auto(l4)	f	18	26
## 185	toyota	camry	3.0	1999	6	manual(m5)	f	18	26
## 186	toyota	camry	3.5	2008	6	auto(s6)	f	19	28
## 187	toyota	camry solara	2.2	1999	4	auto(l4)	f	21	27
## 188	toyota	camry solara	2.2	1999	4	manual(m5)	f	21	29
## 189	toyota	camry solara	2.4	2008	4	manual(m5)	f	21	31
## 190	toyota	camry solara	2.4	2008	4	auto(s5)	f	22	31
## 191	toyota	camry solara	3.0	1999	6	auto(l4)	f	18	26
## 192	toyota	camry solara	3.0	1999	6	manual(m5)	f	18	26
## 193	toyota	camry solara	3.3	2008	6	auto(s5)	f	18	27
## 194	toyota	corolla	1.8	1999	4	auto(l3)	f	24	30
## 195	toyota	corolla	1.8	1999	4	auto(l4)	f	24	33
## 196	toyota	corolla	1.8	1999	4	manual(m5)	f	26	35

## 197	toyota	corolla	1.8	2008	4	manual(m5)	f	28	37
## 198	toyota	corolla	1.8	2008	4	auto(l4)	f	26	35
## 199	toyota	land cruiser wagon 4wd	4.7	1999	8	auto(l4)	4	11	15
## 200	toyota	land cruiser wagon 4wd	5.7	2008	8	auto(s6)	4	13	18
## 201	toyota	toyota tacoma 4wd	2.7	1999	4	manual(m5)	4	15	20
## 202	toyota	toyota tacoma 4wd	2.7	1999	4	auto(l4)	4	16	20
## 203	toyota	toyota tacoma 4wd	2.7	2008	4	manual(m5)	4	17	22
## 204	toyota	toyota tacoma 4wd	3.4	1999	6	manual(m5)	4	15	17
## 205	toyota	toyota tacoma 4wd	3.4	1999	6	auto(l4)	4	15	19
## 206	toyota	toyota tacoma 4wd	4.0	2008	6	manual(m6)	4	15	18
## 207	toyota	toyota tacoma 4wd	4.0	2008	6	auto(l5)	4	16	20
## 208	volkswagen	gti	2.0	1999	4	manual(m5)	f	21	29
## 209	volkswagen	gti	2.0	1999	4	auto(l4)	f	19	26
## 210	volkswagen	gti	2.0	2008	4	manual(m6)	f	21	29
## 211	volkswagen	gti	2.0	2008	4	auto(s6)	f	22	29
## 212	volkswagen	gti	2.8	1999	6	manual(m5)	f	17	24
## 213	volkswagen	jetta	1.9	1999	4	manual(m5)	f	33	44
## 214	volkswagen	jetta	2.0	1999	4	manual(m5)	f	21	29
## 215	volkswagen	jetta	2.0	1999	4	auto(l4)	f	19	26
## 216	volkswagen	jetta	2.0	2008	4	auto(s6)	f	22	29
## 217	volkswagen	jetta	2.0	2008	4	manual(m6)	f	21	29
## 218	volkswagen	jetta	2.5	2008	5	auto(s6)	f	21	29
## 219	volkswagen	jetta	2.5	2008	5	manual(m5)	f	21	29
## 220	volkswagen	jetta	2.8	1999	6	auto(l4)	f	16	23
## 221	volkswagen	jetta	2.8	1999	6	manual(m5)	f	17	24
## 222	volkswagen	new beetle	1.9	1999	4	manual(m5)	f	35	44
## 223	volkswagen	new beetle	1.9	1999	4	auto(l4)	f	29	41
## 224	volkswagen	new beetle	2.0	1999	4	manual(m5)	f	21	29
## 225	volkswagen	new beetle	2.0	1999	4	auto(l4)	f	19	26
## 226	volkswagen	new beetle	2.5	2008	5	manual(m5)	f	20	28
## 227	volkswagen	new beetle	2.5	2008	5	auto(s6)	f	20	29
## 228	volkswagen	passat	1.8	1999	4	manual(m5)	f	21	29
## 229	volkswagen	passat	1.8	1999	4	auto(l5)	f	18	29
## 230	volkswagen	passat	2.0	2008	4	auto(s6)	f	19	28
## 231	volkswagen	passat	2.0	2008	4	manual(m6)	f	21	29
## 232	volkswagen	passat	2.8	1999	6	auto(l5)	f	16	26
## 233	volkswagen	passat	2.8	1999	6	manual(m5)	f	18	26
## 234	volkswagen	passat	3.6	2008	6	auto(s6)	f	17	26
##	fl	class							
## 1	p	compact							
## 2	p	compact							
## 3	p	compact							
## 4	p	compact							
## 5	p	compact							
## 6	p	compact							
## 7	p	compact							
## 8	p	compact							
## 9	p	compact							
## 10	p	compact							
## 11	p	compact							
## 12	p	compact							
## 13	p	compact							
## 14	p	compact							
## 15	p	compact							

## 16	p	midsize
## 17	p	midsize
## 18	p	midsize
## 19	r	suv
## 20	e	suv
## 21	r	suv
## 22	r	suv
## 23	r	suv
## 24	p	2seater
## 25	p	2seater
## 26	p	2seater
## 27	p	2seater
## 28	p	2seater
## 29	r	suv
## 30	e	suv
## 31	r	suv
## 32	d	suv
## 33	r	midsize
## 34	r	midsize
## 35	r	midsize
## 36	r	midsize
## 37	r	midsize
## 38	r	minivan
## 39	r	minivan
## 40	r	minivan
## 41	r	minivan
## 42	r	minivan
## 43	r	minivan
## 44	e	minivan
## 45	r	minivan
## 46	r	minivan
## 47	r	minivan
## 48	r	minivan
## 49	r	pickup
## 50	r	pickup
## 51	r	pickup
## 52	r	pickup
## 53	r	pickup
## 54	r	pickup
## 55	e	pickup
## 56	r	pickup
## 57	r	pickup
## 58	r	suv
## 59	r	suv
## 60	e	suv
## 61	r	suv
## 62	r	suv
## 63	r	suv
## 64	r	suv
## 65	r	pickup
## 66	e	pickup
## 67	r	pickup
## 68	r	pickup
## 69	r	pickup

```

## 70  e    pickup
## 71  r    pickup
## 72  r    pickup
## 73  r    pickup
## 74  r    pickup
## 75  r      suv
## 76  r      suv
## 77  r      suv
## 78  r      suv
## 79  r      suv
## 80  r      suv
## 81  r      suv
## 82  r      suv
## 83  r      suv
## 84  r    pickup
## 85  r    pickup
## 86  r    pickup
## 87  r    pickup
## 88  r    pickup
## 89  r    pickup
## 90  r    pickup
## 91  r subcompact
## 92  r subcompact
## 93  r subcompact
## 94  r subcompact
## 95  r subcompact
## 96  r subcompact
## 97  r subcompact
## 98  r subcompact
## 99  p subcompact
## 100 r subcompact
## 101 r subcompact
## 102 r subcompact
## 103 p subcompact
## 104 r subcompact
## 105 r subcompact
## 106 r subcompact
## 107 c subcompact
## 108 p subcompact
## 109 r   midsize
## 110 r   midsize
## 111 r   midsize
## 112 r   midsize
## 113 r   midsize
## 114 r   midsize
## 115 r   midsize
## 116 r subcompact
## 117 r subcompact
## 118 r subcompact
## 119 r subcompact
## 120 r subcompact
## 121 r subcompact
## 122 r subcompact
## 123 d      suv

```

## 124	r	suv
## 125	r	suv
## 126	r	suv
## 127	e	suv
## 128	r	suv
## 129	r	suv
## 130	p	suv
## 131	p	suv
## 132	r	suv
## 133	r	suv
## 134	p	suv
## 135	r	suv
## 136	p	suv
## 137	r	suv
## 138	r	suv
## 139	r	suv
## 140	r	suv
## 141	r	suv
## 142	r	compact
## 143	r	compact
## 144	r	midsize
## 145	r	midsize
## 146	p	midsize
## 147	p	midsize
## 148	r	midsize
## 149	r	midsize
## 150	p	midsize
## 151	r	suv
## 152	r	suv
## 153	p	suv
## 154	p	suv
## 155	r	midsize
## 156	p	midsize
## 157	r	midsize
## 158	r	midsize
## 159	p	midsize
## 160	r	suv
## 161	r	suv
## 162	r	suv
## 163	p	suv
## 164	r	suv
## 165	p	suv
## 166	r	subcompact
## 167	r	subcompact
## 168	r	subcompact
## 169	r	subcompact
## 170	p	compact
## 171	r	compact
## 172	p	compact
## 173	r	compact
## 174	r	suv
## 175	r	suv
## 176	r	suv
## 177	r	suv


```

## 178 r      suv
## 179 r      suv
## 180 r  midsize
## 181 r  midsize
## 182 r  midsize
## 183 r  midsize
## 184 r  midsize
## 185 r  midsize
## 186 r  midsize
## 187 r  compact
## 188 r  compact
## 189 r  compact
## 190 r  compact
## 191 r  compact
## 192 r  compact
## 193 r  compact
## 194 r  compact
## 195 r  compact
## 196 r  compact
## 197 r  compact
## 198 r  compact
## 199 r      suv
## 200 r      suv
## 201 r  pickup
## 202 r  pickup
## 203 r  pickup
## 204 r  pickup
## 205 r  pickup
## 206 r  pickup
## 207 r  pickup
## 208 r  compact
## 209 r  compact
## 210 p  compact
## 211 p  compact
## 212 r  compact
## 213 d  compact
## 214 r  compact
## 215 r  compact
## 216 p  compact
## 217 p  compact
## 218 r  compact
## 219 r  compact
## 220 r  compact
## 221 r  compact
## 222 d subcompact
## 223 d subcompact
## 224 r subcompact
## 225 r subcompact
## 226 r subcompact
## 227 r subcompact
## 228 p  midsize
## 229 p  midsize
## 230 p  midsize
## 231 p  midsize

```

```
## 232 p    midsize
## 233 p    midsize
## 234 p    midsize
```

```
rio::import(file = "./data/mpg.xlsx") %>% class()
```

```
## [1] "data.frame"
```

```
rio::import(file = "./data/mpg.xlsx", sheet = "Sheet 1") # specify sheet
```

##	manufacturer	model	displ	year	cyl	trans	drv	cty	hwy
## 1	audi	a4	1.8	1999	4	auto(l5)	f	18	29
## 2	audi	a4	1.8	1999	4	manual(m5)	f	21	29
## 3	audi	a4	2.0	2008	4	manual(m6)	f	20	31
## 4	audi	a4	2.0	2008	4	auto(av)	f	21	30
## 5	audi	a4	2.8	1999	6	auto(l5)	f	16	26
## 6	audi	a4	2.8	1999	6	manual(m5)	f	18	26
## 7	audi	a4	3.1	2008	6	auto(av)	f	18	27
## 8	audi	a4 quattro	1.8	1999	4	manual(m5)	4	18	26
## 9	audi	a4 quattro	1.8	1999	4	auto(l5)	4	16	25
## 10	audi	a4 quattro	2.0	2008	4	manual(m6)	4	20	28
## 11	audi	a4 quattro	2.0	2008	4	auto(s6)	4	19	27
## 12	audi	a4 quattro	2.8	1999	6	auto(l5)	4	15	25
## 13	audi	a4 quattro	2.8	1999	6	manual(m5)	4	17	25
## 14	audi	a4 quattro	3.1	2008	6	auto(s6)	4	17	25
## 15	audi	a4 quattro	3.1	2008	6	manual(m6)	4	15	25
## 16	audi	a6 quattro	2.8	1999	6	auto(l5)	4	15	24
## 17	audi	a6 quattro	3.1	2008	6	auto(s6)	4	17	25
## 18	audi	a6 quattro	4.2	2008	8	auto(s6)	4	16	23
## 19	chevrolet	c1500 suburban 2wd	5.3	2008	8	auto(l4)	r	14	20
## 20	chevrolet	c1500 suburban 2wd	5.3	2008	8	auto(l4)	r	11	15
## 21	chevrolet	c1500 suburban 2wd	5.3	2008	8	auto(l4)	r	14	20
## 22	chevrolet	c1500 suburban 2wd	5.7	1999	8	auto(l4)	r	13	17
## 23	chevrolet	c1500 suburban 2wd	6.0	2008	8	auto(l4)	r	12	17
## 24	chevrolet	corvette	5.7	1999	8	manual(m6)	r	16	26
## 25	chevrolet	corvette	5.7	1999	8	auto(l4)	r	15	23
## 26	chevrolet	corvette	6.2	2008	8	manual(m6)	r	16	26
## 27	chevrolet	corvette	6.2	2008	8	auto(s6)	r	15	25
## 28	chevrolet	corvette	7.0	2008	8	manual(m6)	r	15	24
## 29	chevrolet	k1500 tahoe 4wd	5.3	2008	8	auto(l4)	4	14	19
## 30	chevrolet	k1500 tahoe 4wd	5.3	2008	8	auto(l4)	4	11	14
## 31	chevrolet	k1500 tahoe 4wd	5.7	1999	8	auto(l4)	4	11	15
## 32	chevrolet	k1500 tahoe 4wd	6.5	1999	8	auto(l4)	4	14	17
## 33	chevrolet	malibu	2.4	1999	4	auto(l4)	f	19	27
## 34	chevrolet	malibu	2.4	2008	4	auto(l4)	f	22	30
## 35	chevrolet	malibu	3.1	1999	6	auto(l4)	f	18	26
## 36	chevrolet	malibu	3.5	2008	6	auto(l4)	f	18	29
## 37	chevrolet	malibu	3.6	2008	6	auto(s6)	f	17	26
## 38	dodge	caravan 2wd	2.4	1999	4	auto(l3)	f	18	24
## 39	dodge	caravan 2wd	3.0	1999	6	auto(l4)	f	17	24
## 40	dodge	caravan 2wd	3.3	1999	6	auto(l4)	f	16	22
## 41	dodge	caravan 2wd	3.3	1999	6	auto(l4)	f	16	22
## 42	dodge	caravan 2wd	3.3	2008	6	auto(l4)	f	17	24
## 43	dodge	caravan 2wd	3.3	2008	6	auto(l4)	f	17	24
## 44	dodge	caravan 2wd	3.3	2008	6	auto(l4)	f	11	17

## 45	dodge	caravan 2wd	3.8	1999	6	auto(14)	f	15	22
## 46	dodge	caravan 2wd	3.8	1999	6	auto(14)	f	15	21
## 47	dodge	caravan 2wd	3.8	2008	6	auto(16)	f	16	23
## 48	dodge	caravan 2wd	4.0	2008	6	auto(16)	f	16	23
## 49	dodge	dakota pickup 4wd	3.7	2008	6	manual(m6)	4	15	19
## 50	dodge	dakota pickup 4wd	3.7	2008	6	auto(14)	4	14	18
## 51	dodge	dakota pickup 4wd	3.9	1999	6	auto(14)	4	13	17
## 52	dodge	dakota pickup 4wd	3.9	1999	6	manual(m5)	4	14	17
## 53	dodge	dakota pickup 4wd	4.7	2008	8	auto(15)	4	14	19
## 54	dodge	dakota pickup 4wd	4.7	2008	8	auto(15)	4	14	19
## 55	dodge	dakota pickup 4wd	4.7	2008	8	auto(15)	4	9	12
## 56	dodge	dakota pickup 4wd	5.2	1999	8	manual(m5)	4	11	17
## 57	dodge	dakota pickup 4wd	5.2	1999	8	auto(14)	4	11	15
## 58	dodge	durango 4wd	3.9	1999	6	auto(14)	4	13	17
## 59	dodge	durango 4wd	4.7	2008	8	auto(15)	4	13	17
## 60	dodge	durango 4wd	4.7	2008	8	auto(15)	4	9	12
## 61	dodge	durango 4wd	4.7	2008	8	auto(15)	4	13	17
## 62	dodge	durango 4wd	5.2	1999	8	auto(14)	4	11	16
## 63	dodge	durango 4wd	5.7	2008	8	auto(15)	4	13	18
## 64	dodge	durango 4wd	5.9	1999	8	auto(14)	4	11	15
## 65	dodge	ram 1500 pickup 4wd	4.7	2008	8	manual(m6)	4	12	16
## 66	dodge	ram 1500 pickup 4wd	4.7	2008	8	auto(15)	4	9	12
## 67	dodge	ram 1500 pickup 4wd	4.7	2008	8	auto(15)	4	13	17
## 68	dodge	ram 1500 pickup 4wd	4.7	2008	8	auto(15)	4	13	17
## 69	dodge	ram 1500 pickup 4wd	4.7	2008	8	manual(m6)	4	12	16
## 70	dodge	ram 1500 pickup 4wd	4.7	2008	8	manual(m6)	4	9	12
## 71	dodge	ram 1500 pickup 4wd	5.2	1999	8	auto(14)	4	11	15
## 72	dodge	ram 1500 pickup 4wd	5.2	1999	8	manual(m5)	4	11	16
## 73	dodge	ram 1500 pickup 4wd	5.7	2008	8	auto(15)	4	13	17
## 74	dodge	ram 1500 pickup 4wd	5.9	1999	8	auto(14)	4	11	15
## 75	ford	expedition 2wd	4.6	1999	8	auto(14)	r	11	17
## 76	ford	expedition 2wd	5.4	1999	8	auto(14)	r	11	17
## 77	ford	expedition 2wd	5.4	2008	8	auto(16)	r	12	18
## 78	ford	explorer 4wd	4.0	1999	6	auto(15)	4	14	17
## 79	ford	explorer 4wd	4.0	1999	6	manual(m5)	4	15	19
## 80	ford	explorer 4wd	4.0	1999	6	auto(15)	4	14	17
## 81	ford	explorer 4wd	4.0	2008	6	auto(15)	4	13	19
## 82	ford	explorer 4wd	4.6	2008	8	auto(16)	4	13	19
## 83	ford	explorer 4wd	5.0	1999	8	auto(14)	4	13	17
## 84	ford	f150 pickup 4wd	4.2	1999	6	auto(14)	4	14	17
## 85	ford	f150 pickup 4wd	4.2	1999	6	manual(m5)	4	14	17
## 86	ford	f150 pickup 4wd	4.6	1999	8	manual(m5)	4	13	16
## 87	ford	f150 pickup 4wd	4.6	1999	8	auto(14)	4	13	16
## 88	ford	f150 pickup 4wd	4.6	2008	8	auto(14)	4	13	17
## 89	ford	f150 pickup 4wd	5.4	1999	8	auto(14)	4	11	15
## 90	ford	f150 pickup 4wd	5.4	2008	8	auto(14)	4	13	17
## 91	ford	mustang	3.8	1999	6	manual(m5)	r	18	26
## 92	ford	mustang	3.8	1999	6	auto(14)	r	18	25
## 93	ford	mustang	4.0	2008	6	manual(m5)	r	17	26
## 94	ford	mustang	4.0	2008	6	auto(15)	r	16	24
## 95	ford	mustang	4.6	1999	8	auto(14)	r	15	21
## 96	ford	mustang	4.6	1999	8	manual(m5)	r	15	22
## 97	ford	mustang	4.6	2008	8	manual(m5)	r	15	23
## 98	ford	mustang	4.6	2008	8	auto(15)	r	15	22

## 99	ford	mustang	5.4	2008	8	manual(m6)	r	14	20
## 100	honda	civic	1.6	1999	4	manual(m5)	f	28	33
## 101	honda	civic	1.6	1999	4	auto(14)	f	24	32
## 102	honda	civic	1.6	1999	4	manual(m5)	f	25	32
## 103	honda	civic	1.6	1999	4	manual(m5)	f	23	29
## 104	honda	civic	1.6	1999	4	auto(14)	f	24	32
## 105	honda	civic	1.8	2008	4	manual(m5)	f	26	34
## 106	honda	civic	1.8	2008	4	auto(15)	f	25	36
## 107	honda	civic	1.8	2008	4	auto(15)	f	24	36
## 108	honda	civic	2.0	2008	4	manual(m6)	f	21	29
## 109	hyundai	sonata	2.4	1999	4	auto(14)	f	18	26
## 110	hyundai	sonata	2.4	1999	4	manual(m5)	f	18	27
## 111	hyundai	sonata	2.4	2008	4	auto(14)	f	21	30
## 112	hyundai	sonata	2.4	2008	4	manual(m5)	f	21	31
## 113	hyundai	sonata	2.5	1999	6	auto(14)	f	18	26
## 114	hyundai	sonata	2.5	1999	6	manual(m5)	f	18	26
## 115	hyundai	sonata	3.3	2008	6	auto(15)	f	19	28
## 116	hyundai	tiburon	2.0	1999	4	auto(14)	f	19	26
## 117	hyundai	tiburon	2.0	1999	4	manual(m5)	f	19	29
## 118	hyundai	tiburon	2.0	2008	4	manual(m5)	f	20	28
## 119	hyundai	tiburon	2.0	2008	4	auto(14)	f	20	27
## 120	hyundai	tiburon	2.7	2008	6	auto(14)	f	17	24
## 121	hyundai	tiburon	2.7	2008	6	manual(m6)	f	16	24
## 122	hyundai	tiburon	2.7	2008	6	manual(m5)	f	17	24
## 123	jeep	grand cherokee 4wd	3.0	2008	6	auto(15)	4	17	22
## 124	jeep	grand cherokee 4wd	3.7	2008	6	auto(15)	4	15	19
## 125	jeep	grand cherokee 4wd	4.0	1999	6	auto(14)	4	15	20
## 126	jeep	grand cherokee 4wd	4.7	1999	8	auto(14)	4	14	17
## 127	jeep	grand cherokee 4wd	4.7	2008	8	auto(15)	4	9	12
## 128	jeep	grand cherokee 4wd	4.7	2008	8	auto(15)	4	14	19
## 129	jeep	grand cherokee 4wd	5.7	2008	8	auto(15)	4	13	18
## 130	jeep	grand cherokee 4wd	6.1	2008	8	auto(15)	4	11	14
## 131	land rover	range rover	4.0	1999	8	auto(14)	4	11	15
## 132	land rover	range rover	4.2	2008	8	auto(s6)	4	12	18
## 133	land rover	range rover	4.4	2008	8	auto(s6)	4	12	18
## 134	land rover	range rover	4.6	1999	8	auto(14)	4	11	15
## 135	lincoln	navigator 2wd	5.4	1999	8	auto(14)	r	11	17
## 136	lincoln	navigator 2wd	5.4	1999	8	auto(14)	r	11	16
## 137	lincoln	navigator 2wd	5.4	2008	8	auto(16)	r	12	18
## 138	mercury	mountaineer 4wd	4.0	1999	6	auto(15)	4	14	17
## 139	mercury	mountaineer 4wd	4.0	2008	6	auto(15)	4	13	19
## 140	mercury	mountaineer 4wd	4.6	2008	8	auto(16)	4	13	19
## 141	mercury	mountaineer 4wd	5.0	1999	8	auto(14)	4	13	17
## 142	nissan	altima	2.4	1999	4	manual(m5)	f	21	29
## 143	nissan	altima	2.4	1999	4	auto(14)	f	19	27
## 144	nissan	altima	2.5	2008	4	auto(av)	f	23	31
## 145	nissan	altima	2.5	2008	4	manual(m6)	f	23	32
## 146	nissan	altima	3.5	2008	6	manual(m6)	f	19	27
## 147	nissan	altima	3.5	2008	6	auto(av)	f	19	26
## 148	nissan	maxima	3.0	1999	6	auto(14)	f	18	26
## 149	nissan	maxima	3.0	1999	6	manual(m5)	f	19	25
## 150	nissan	maxima	3.5	2008	6	auto(av)	f	19	25
## 151	nissan	pathfinder 4wd	3.3	1999	6	auto(14)	4	14	17
## 152	nissan	pathfinder 4wd	3.3	1999	6	manual(m5)	4	15	17

## 153	nissan	pathfinder 4wd	4.0	2008	6	auto(15)	4	14	20
## 154	nissan	pathfinder 4wd	5.6	2008	8	auto(s5)	4	12	18
## 155	pontiac	grand prix	3.1	1999	6	auto(14)	f	18	26
## 156	pontiac	grand prix	3.8	1999	6	auto(14)	f	16	26
## 157	pontiac	grand prix	3.8	1999	6	auto(14)	f	17	27
## 158	pontiac	grand prix	3.8	2008	6	auto(14)	f	18	28
## 159	pontiac	grand prix	5.3	2008	8	auto(s4)	f	16	25
## 160	subaru	forester awd	2.5	1999	4	manual(m5)	4	18	25
## 161	subaru	forester awd	2.5	1999	4	auto(14)	4	18	24
## 162	subaru	forester awd	2.5	2008	4	manual(m5)	4	20	27
## 163	subaru	forester awd	2.5	2008	4	manual(m5)	4	19	25
## 164	subaru	forester awd	2.5	2008	4	auto(14)	4	20	26
## 165	subaru	forester awd	2.5	2008	4	auto(14)	4	18	23
## 166	subaru	impreza awd	2.2	1999	4	auto(14)	4	21	26
## 167	subaru	impreza awd	2.2	1999	4	manual(m5)	4	19	26
## 168	subaru	impreza awd	2.5	1999	4	manual(m5)	4	19	26
## 169	subaru	impreza awd	2.5	1999	4	auto(14)	4	19	26
## 170	subaru	impreza awd	2.5	2008	4	auto(s4)	4	20	25
## 171	subaru	impreza awd	2.5	2008	4	auto(s4)	4	20	27
## 172	subaru	impreza awd	2.5	2008	4	manual(m5)	4	19	25
## 173	subaru	impreza awd	2.5	2008	4	manual(m5)	4	20	27
## 174	toyota	4runner 4wd	2.7	1999	4	manual(m5)	4	15	20
## 175	toyota	4runner 4wd	2.7	1999	4	auto(14)	4	16	20
## 176	toyota	4runner 4wd	3.4	1999	6	auto(14)	4	15	19
## 177	toyota	4runner 4wd	3.4	1999	6	manual(m5)	4	15	17
## 178	toyota	4runner 4wd	4.0	2008	6	auto(15)	4	16	20
## 179	toyota	4runner 4wd	4.7	2008	8	auto(15)	4	14	17
## 180	toyota	camry	2.2	1999	4	manual(m5)	f	21	29
## 181	toyota	camry	2.2	1999	4	auto(14)	f	21	27
## 182	toyota	camry	2.4	2008	4	manual(m5)	f	21	31
## 183	toyota	camry	2.4	2008	4	auto(15)	f	21	31
## 184	toyota	camry	3.0	1999	6	auto(14)	f	18	26
## 185	toyota	camry	3.0	1999	6	manual(m5)	f	18	26
## 186	toyota	camry	3.5	2008	6	auto(s6)	f	19	28
## 187	toyota	camry solara	2.2	1999	4	auto(14)	f	21	27
## 188	toyota	camry solara	2.2	1999	4	manual(m5)	f	21	29
## 189	toyota	camry solara	2.4	2008	4	manual(m5)	f	21	31
## 190	toyota	camry solara	2.4	2008	4	auto(s5)	f	22	31
## 191	toyota	camry solara	3.0	1999	6	auto(14)	f	18	26
## 192	toyota	camry solara	3.0	1999	6	manual(m5)	f	18	26
## 193	toyota	camry solara	3.3	2008	6	auto(s5)	f	18	27
## 194	toyota	corolla	1.8	1999	4	auto(13)	f	24	30
## 195	toyota	corolla	1.8	1999	4	auto(14)	f	24	33
## 196	toyota	corolla	1.8	1999	4	manual(m5)	f	26	35
## 197	toyota	corolla	1.8	2008	4	manual(m5)	f	28	37
## 198	toyota	corolla	1.8	2008	4	auto(14)	f	26	35
## 199	toyota	land cruiser wagon 4wd	4.7	1999	8	auto(14)	4	11	15
## 200	toyota	land cruiser wagon 4wd	5.7	2008	8	auto(s6)	4	13	18
## 201	toyota	toyota tacoma 4wd	2.7	1999	4	manual(m5)	4	15	20
## 202	toyota	toyota tacoma 4wd	2.7	1999	4	auto(14)	4	16	20
## 203	toyota	toyota tacoma 4wd	2.7	2008	4	manual(m5)	4	17	22
## 204	toyota	toyota tacoma 4wd	3.4	1999	6	manual(m5)	4	15	17
## 205	toyota	toyota tacoma 4wd	3.4	1999	6	auto(14)	4	15	19
## 206	toyota	toyota tacoma 4wd	4.0	2008	6	manual(m6)	4	15	18

## 207	toyota	toyota tacoma 4wd	4.0	2008	6	auto(l5)	4	16	20
## 208	volkswagen	gti	2.0	1999	4	manual(m5)	f	21	29
## 209	volkswagen	gti	2.0	1999	4	auto(l4)	f	19	26
## 210	volkswagen	gti	2.0	2008	4	manual(m6)	f	21	29
## 211	volkswagen	gti	2.0	2008	4	auto(s6)	f	22	29
## 212	volkswagen	gti	2.8	1999	6	manual(m5)	f	17	24
## 213	volkswagen	jetta	1.9	1999	4	manual(m5)	f	33	44
## 214	volkswagen	jetta	2.0	1999	4	manual(m5)	f	21	29
## 215	volkswagen	jetta	2.0	1999	4	auto(l4)	f	19	26
## 216	volkswagen	jetta	2.0	2008	4	auto(s6)	f	22	29
## 217	volkswagen	jetta	2.0	2008	4	manual(m6)	f	21	29
## 218	volkswagen	jetta	2.5	2008	5	auto(s6)	f	21	29
## 219	volkswagen	jetta	2.5	2008	5	manual(m5)	f	21	29
## 220	volkswagen	jetta	2.8	1999	6	auto(l4)	f	16	23
## 221	volkswagen	jetta	2.8	1999	6	manual(m5)	f	17	24
## 222	volkswagen	new beetle	1.9	1999	4	manual(m5)	f	35	44
## 223	volkswagen	new beetle	1.9	1999	4	auto(l4)	f	29	41
## 224	volkswagen	new beetle	2.0	1999	4	manual(m5)	f	21	29
## 225	volkswagen	new beetle	2.0	1999	4	auto(l4)	f	19	26
## 226	volkswagen	new beetle	2.5	2008	5	manual(m5)	f	20	28
## 227	volkswagen	new beetle	2.5	2008	5	auto(s6)	f	20	29
## 228	volkswagen	passat	1.8	1999	4	manual(m5)	f	21	29
## 229	volkswagen	passat	1.8	1999	4	auto(l5)	f	18	29
## 230	volkswagen	passat	2.0	2008	4	auto(s6)	f	19	28
## 231	volkswagen	passat	2.0	2008	4	manual(m6)	f	21	29
## 232	volkswagen	passat	2.8	1999	6	auto(l5)	f	16	26
## 233	volkswagen	passat	2.8	1999	6	manual(m5)	f	18	26
## 234	volkswagen	passat	3.6	2008	6	auto(s6)	f	17	26
##	fl	class							
## 1	p	compact							
## 2	p	compact							
## 3	p	compact							
## 4	p	compact							
## 5	p	compact							
## 6	p	compact							
## 7	p	compact							
## 8	p	compact							
## 9	p	compact							
## 10	p	compact							
## 11	p	compact							
## 12	p	compact							
## 13	p	compact							
## 14	p	compact							
## 15	p	compact							
## 16	p	midsize							
## 17	p	midsize							
## 18	p	midsize							
## 19	r	suv							
## 20	e	suv							
## 21	r	suv							
## 22	r	suv							
## 23	r	suv							
## 24	p	2seater							
## 25	p	2seater							

## 26	p	2seater
## 27	p	2seater
## 28	p	2seater
## 29	r	suv
## 30	e	suv
## 31	r	suv
## 32	d	suv
## 33	r	midsize
## 34	r	midsize
## 35	r	midsize
## 36	r	midsize
## 37	r	midsize
## 38	r	minivan
## 39	r	minivan
## 40	r	minivan
## 41	r	minivan
## 42	r	minivan
## 43	r	minivan
## 44	e	minivan
## 45	r	minivan
## 46	r	minivan
## 47	r	minivan
## 48	r	minivan
## 49	r	pickup
## 50	r	pickup
## 51	r	pickup
## 52	r	pickup
## 53	r	pickup
## 54	r	pickup
## 55	e	pickup
## 56	r	pickup
## 57	r	pickup
## 58	r	suv
## 59	r	suv
## 60	e	suv
## 61	r	suv
## 62	r	suv
## 63	r	suv
## 64	r	suv
## 65	r	pickup
## 66	e	pickup
## 67	r	pickup
## 68	r	pickup
## 69	r	pickup
## 70	e	pickup
## 71	r	pickup
## 72	r	pickup
## 73	r	pickup
## 74	r	pickup
## 75	r	suv
## 76	r	suv
## 77	r	suv
## 78	r	suv
## 79	r	suv

```

## 80  r      suv
## 81  r      suv
## 82  r      suv
## 83  r      suv
## 84  r    pickup
## 85  r    pickup
## 86  r    pickup
## 87  r    pickup
## 88  r    pickup
## 89  r    pickup
## 90  r    pickup
## 91  r subcompact
## 92  r subcompact
## 93  r subcompact
## 94  r subcompact
## 95  r subcompact
## 96  r subcompact
## 97  r subcompact
## 98  r subcompact
## 99  p subcompact
## 100 r subcompact
## 101 r subcompact
## 102 r subcompact
## 103 p subcompact
## 104 r subcompact
## 105 r subcompact
## 106 r subcompact
## 107 c subcompact
## 108 p subcompact
## 109 r   midsize
## 110 r   midsize
## 111 r   midsize
## 112 r   midsize
## 113 r   midsize
## 114 r   midsize
## 115 r   midsize
## 116 r subcompact
## 117 r subcompact
## 118 r subcompact
## 119 r subcompact
## 120 r subcompact
## 121 r subcompact
## 122 r subcompact
## 123 d      suv
## 124 r      suv
## 125 r      suv
## 126 r      suv
## 127 e      suv
## 128 r      suv
## 129 r      suv
## 130 p      suv
## 131 p      suv
## 132 r      suv
## 133 r      suv

```


## 134	p	suv
## 135	r	suv
## 136	p	suv
## 137	r	suv
## 138	r	suv
## 139	r	suv
## 140	r	suv
## 141	r	suv
## 142	r	compact
## 143	r	compact
## 144	r	midsize
## 145	r	midsize
## 146	p	midsize
## 147	p	midsize
## 148	r	midsize
## 149	r	midsize
## 150	p	midsize
## 151	r	suv
## 152	r	suv
## 153	p	suv
## 154	p	suv
## 155	r	midsize
## 156	p	midsize
## 157	r	midsize
## 158	r	midsize
## 159	p	midsize
## 160	r	suv
## 161	r	suv
## 162	r	suv
## 163	p	suv
## 164	r	suv
## 165	p	suv
## 166	r	subcompact
## 167	r	subcompact
## 168	r	subcompact
## 169	r	subcompact
## 170	p	compact
## 171	r	compact
## 172	p	compact
## 173	r	compact
## 174	r	suv
## 175	r	suv
## 176	r	suv
## 177	r	suv
## 178	r	suv
## 179	r	suv
## 180	r	midsize
## 181	r	midsize
## 182	r	midsize
## 183	r	midsize
## 184	r	midsize
## 185	r	midsize
## 186	r	midsize
## 187	r	compact

```

## 188 r compact
## 189 r compact
## 190 r compact
## 191 r compact
## 192 r compact
## 193 r compact
## 194 r compact
## 195 r compact
## 196 r compact
## 197 r compact
## 198 r compact
## 199 r suv
## 200 r suv
## 201 r pickup
## 202 r pickup
## 203 r pickup
## 204 r pickup
## 205 r pickup
## 206 r pickup
## 207 r pickup
## 208 r compact
## 209 r compact
## 210 p compact
## 211 p compact
## 212 r compact
## 213 d compact
## 214 r compact
## 215 r compact
## 216 p compact
## 217 p compact
## 218 r compact
## 219 r compact
## 220 r compact
## 221 r compact
## 222 d subcompact
## 223 d subcompact
## 224 r subcompact
## 225 r subcompact
## 226 r subcompact
## 227 r subcompact
## 228 p midsize
## 229 p midsize
## 230 p midsize
## 231 p midsize
## 232 p midsize
## 233 p midsize
## 234 p midsize

```

```

rio::import(file = "./data/mpg.xlsx", range = "A1:C10") # specify range

```

```

## manufacturer model displ
## 1 audi a4 1.8
## 2 audi a4 1.8
## 3 audi a4 2.0
## 4 audi a4 2.0

```

```
## 5      audi      a4    2.8
## 6      audi      a4    2.8
## 7      audi      a4    3.1
## 8      audi a4 quattro  1.8
## 9      audi a4 quattro  1.8

# Import large flat file with fread
df.f <- fread(file = "./data/mpg_maxi.csv", sep = ",")

# Read large .csv file
# - compare execution times
# - read.csv VS read_csv VS fread
print("Execution time read.csv():")

## [1] "Execution time read.csv():"

system.time(df1 <- read.csv(file = "./data/mpg_maxi.csv"))

##      user  system elapsed
##    1.72    0.03    1.84

print("Execution time read_csv():")

## [1] "Execution time read_csv():"

system.time(df2 <- read_csv(file = "./data/mpg_maxi.csv"))

##      user  system elapsed
##    1.11    0.06    0.57

print("Execution time fread():")

## [1] "Execution time fread():"

system.time(df3 <- fread(file = "./data/mpg_maxi.csv"))

##      user  system elapsed
##    0.13    0.04    0.16
```

Write files

```
# Comma separated
write_csv(x = mpg, file = "./output/mpg_w.csv", col_names = T)

# Semicolon separated
write_csv2(x = mpg, file = "./output/mpg_w2.csv", col_names = T)

# write a xlsx file
rio::export(x = mpg, file = "./output/mpg.xlsx")

# write/read to/from a .rds file
write_rds(x = mpg, file = "./output/mpg.rds")
read_rds(file = "./output/mpg.rds")

## # A tibble: 234 x 11
##   manufacturer model   displ  year   cyl trans drv      cty   hwy fl      class
##   <chr>          <chr>   <dbl> <int> <int> <chr> <chr> <int> <int> <chr> <chr>
## 1 audi          a4       1.8  1999    4 auto~ f      18    29 p      comp~
## 2 audi          a4       1.8  1999    4 manu~ f      21    29 p      comp~
## 3 audi          a4       2    2008    4 manu~ f      20    31 p      comp~
```

```
## 4 audi      a4      2    2008    4 auto~ f      21    30 p    comp~
## 5 audi      a4      2.8  1999    6 auto~ f      16    26 p    comp~
## 6 audi      a4      2.8  1999    6 manu~ f      18    26 p    comp~
## 7 audi      a4      3.1  2008    6 auto~ f      18    27 p    comp~
## 8 audi      a4 quattro 1.8  1999    4 manu~ 4      18    26 p    comp~
## 9 audi      a4 quattro 1.8  1999    4 auto~ 4      16    25 p    comp~
## 10 audi     a4 quattro 2    2008    4 manu~ 4      20    28 p    comp~
## # i 224 more rows
```

```
# feather
write_feather(x = mpg, path = "./output/mpg.feather")
read_feather(path = "./output/mpg.feather")
```

```
## # A tibble: 234 x 11
##   manufacturer model    displ  year   cyl trans drv     cty   hwy fl      class
##   <chr>          <chr>    <dbl> <int> <int> <chr> <chr> <int> <int> <chr> <chr>
## 1 audi          a4      1.8  1999     4 auto~ f      18    29 p    comp~
## 2 audi          a4      1.8  1999     4 manu~ f      21    29 p    comp~
## 3 audi          a4      2    2008     4 manu~ f      20    31 p    comp~
## 4 audi          a4      2    2008     4 auto~ f      21    30 p    comp~
## 5 audi          a4      2.8  1999     6 auto~ f      16    26 p    comp~
## 6 audi          a4      2.8  1999     6 manu~ f      18    26 p    comp~
## 7 audi          a4      3.1  2008     6 auto~ f      18    27 p    comp~
## 8 audi          a4 quattro 1.8  1999     4 manu~ 4      18    26 p    comp~
## 9 audi          a4 quattro 1.8  1999     4 auto~ 4      16    25 p    comp~
## 10 audi         a4 quattro 2    2008     4 manu~ 4      20    28 p    comp~
## # i 224 more rows
```