Supporting Online Material

Data

About 1000 earthquakes occur each year in and around China, with signals large enough for locations to be estimated and published in the Annual Bulletin of Chinese Earthquakes (ABCE). We processed 12 GB of waveform data for about 14,000 events in and near China as listed in the ABCE for 1985 to 2000. This comprises ~130,000 seismograms recorded at distances up to 20˚. We requested data for time windows that included the complete regional seismogram, notably the part containing *Lg*-wave energy traveling at 3 to 3.6 km/s (on which subsequent analysis depends). The waveforms were all filtered from 0.5 to 5 Hz to accentuate the high frequency *Lg* even further. Only BHZ channels sampled at 20 sps were chosen for this study.

The data derive from several independently operated networks archived by the IRIS Consortium: China Digital Seismograph Network (CDSN), New China Digital Seismograph Network (NCDSN), Kyrgyzstan Seismic Network (KNET funded by IRIS and jointly operated by the IVTAN, KIS, and IGPP, SIO, UCSD), Kazakhstan Seismic Data Center,, Global Seismograph Network (GSN - IRIS/USGS Albuquerque Seismological Laboratory), Geoscope (Institut de Physique du Globe de Paris), Project IDA (Institute of Geophysics and Planetary Physics, Scripps), Singapore National Network (GSN), University of Tokyo, and the Broadband Array in Taiwan for Seismology. (The seismicity of Taiwan itself was not included in this study.)

Methods

This dataset was searched by an automatic cross correlation program to sift out only the most similar events. All events with separation distances up to about 150 km, based on ABCE locations, were correlated at common stations. A total of 115 stations were analyzed for this region. The correlation measurements are computed in the time domain. Subsample precision is achieved by fitting a parabola to the peak of the correlation function (*S1*).

The correlation procedure is designed to make the processing robust for automation on a large dataset. Automation is inhibited by cycle skipping and severely misaligned windows. Typically a time domain cross correlation function can recover offsets up to half the window length (*S2*). Starting alignments are generally centered around analyst picks or predicted travel times for the phase of interest. If pick errors are on the order of half a window length, the correlation measurement may not recover the true offset or it may skip a cycle and produce a large outlier delay. To ensure the most robust automation, we choose generously long windows that include the entire regional seismogram and search over offset lags up to 30 seconds to account for errors in location, origin time, and predicted travel times. Because the frequency band is high (0.5 to 5 Hz) for these long windows, the measurements are virtually immune to cycle skipping.

We are interested in events with the highest waveform similarity and therefore also the chance of being the most closely located. Our choice of initial windows for the correlation starts 5 s before the predicted first arriving *P*-wave arrival and ends 40 s after the estimated *Lg*-wave arrival using a group velocity of 3.3 km/s. Thus the window depends on distance to the station and ranges from approximately 60 to 400 seconds. By including the entire seismogram, this procedure finds only the events where all the *P*-, *S*-, and *Lg*-waves overlay and are well correlated. For subsequent analysis, we retain only event pairs that have cross correlation coefficients (*CC*) above 0.8. *CC* typically decreases for increasing window length, so given the high frequency bands and long computation windows, this similarity threshold is a more stringent criterion than is normally employed for correlation studies (*S1*, *S3*-*S6*).

Automatic cross-correlation processing of 14,000 events at 115 stations required three days of continuous running on a modern workstation. This involved over 1.2 million correlation measurements for variable window lengths (typically several thousand samples) depending on station distance. The whole procedure is straightforward, and could be easily applied to new regions of monitoring interest or where local data is not available. Requirements are a catalog of events that can be detected at the regional level and the digital records from a sparse network. The windows selected for cross correlation are determined from information contained in the catalog.

Multiplets

Doublet events are defined for pairs having $CC \geq 0.8$ for the entire regional seismogram recorded by at least one station. The 1301 events form 494 multiplets of various sizes. Many different definitions of multiplets can be applied. A *sensu lato*

Table S1. Distribution of 494 multiplets.

n-plet	count
26-plet	1
11-plet	2
10-plet	1
8-plet	4
7-plet	3
6-plet	7
5-plet	16
4-plet	31
3-plet	86
2-plet	343

multiplet is one where each event each event in the set is connected to all the others by a series of doublets that have only single links, a *sensu stricto* multiplet requires that every event be a doublet with every other event (*S3*). If we apply the *sensu lato* criteria, the 1301 events can be divided into various numbers of *n*-plets (Table S1).

Estimating event separation distances (2-station)

If a doublet is recorded by three or more stations, a quantitative estimate of event separation distance can be inverted for directly from the differential arrival times obtained by the cross correlation measurements. If a doublet is observed at only one station, the quarter wavelength rule places some limits on the maximum separation in a scattering medium. When two stations record a doublet, a relative location cannot be obtained, but there is additional information that can place some constraints on the separation distance.

Consider a pair of events (1 & 2) with a differential arrival time, dt_A, measured by cross correlation at station A (Fig. S1). Then

$$dt_A = t_{A2} - t_{A1} = t_{O2} - t_{O1} + \frac{dr\cos\theta_A}{v},$$

where t_{Ai} are arrival times of the two events, t_{Oi} are origin times, dr is the separation distance, θ_A is the angle between the station and the relative position vector, and v is the

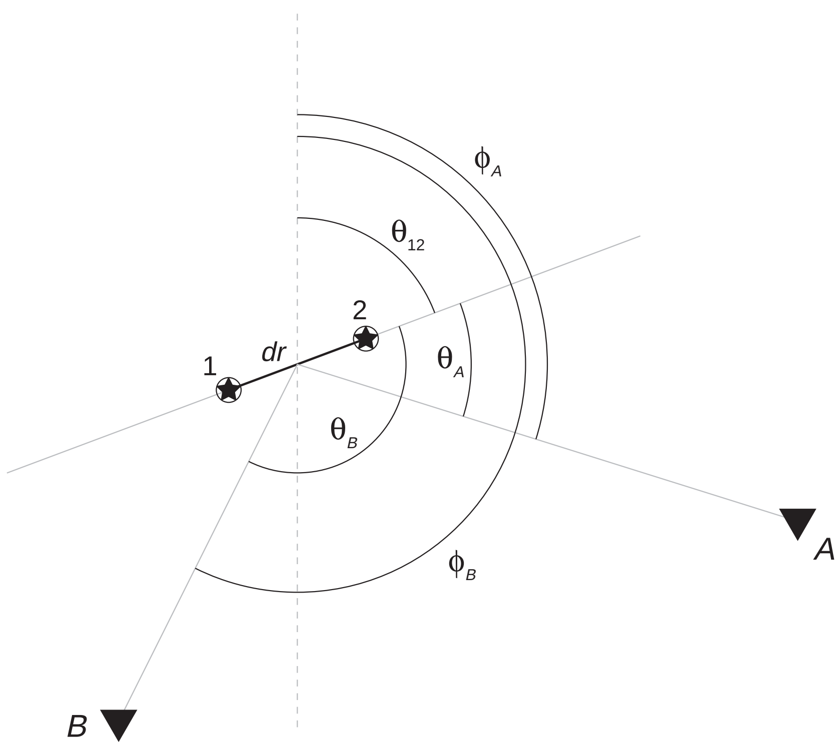

Fig. S1. Cartoon depicting an event pair (1 & 2) separated by *dr* recorded by two stations. Angles displayed are for reference to the equations in the text.

group velocity of the *Lg*-waves. The differential arrival time measurement for a second station, *B*, is,

$$dt_B = t_{B2} - t_{B1} = t_{O2} - t_{O1} + \frac{dr\cos\theta_B}{v}.$$

Subtracting these two equations removes both the unknown origin times,

$$dt_B - dt_A = \frac{dr}{v}[\cos(\phi_B - \theta_{12}) - \cos(\phi_A - \theta_{12})],$$

after substituting in $\theta_A = \phi_A - \theta_{12}$ and $\theta_B = \phi_B - \theta_{12}$. The angles to the stations ϕ_A and ϕ_B are known, leaving only the magnitude, *dr*, and orientation, θ_{12}, of the event separation vector unknown, if a value of 3.3 km/s for the group velocity, *v*, is assumed.

Since there is only one equation and two unknowns, *dr* cannot be solved for directly. However, some bounds can be placed on the statistical distribution of *dr* values, by comparing our observed measurement distribution, $dt_B - dt_A$, with a theoretical one assuming some reasonable distribution of event separation vectors. We make two assumptions (Fig. S2). One, that θ_{12} is randomly distributed. The second is that *dr* falls off with distance over some finite range, since we expect more doublets at close separations and some cut-off where they no longer exist. For this we chose a probability density function of the form $\cos(\pi\, dr/2)$ where *dr* initially ranges from 0 to 1 km (Fig. S2a). These values of *dr* and θ_{12} are then inserted into the above equation using the

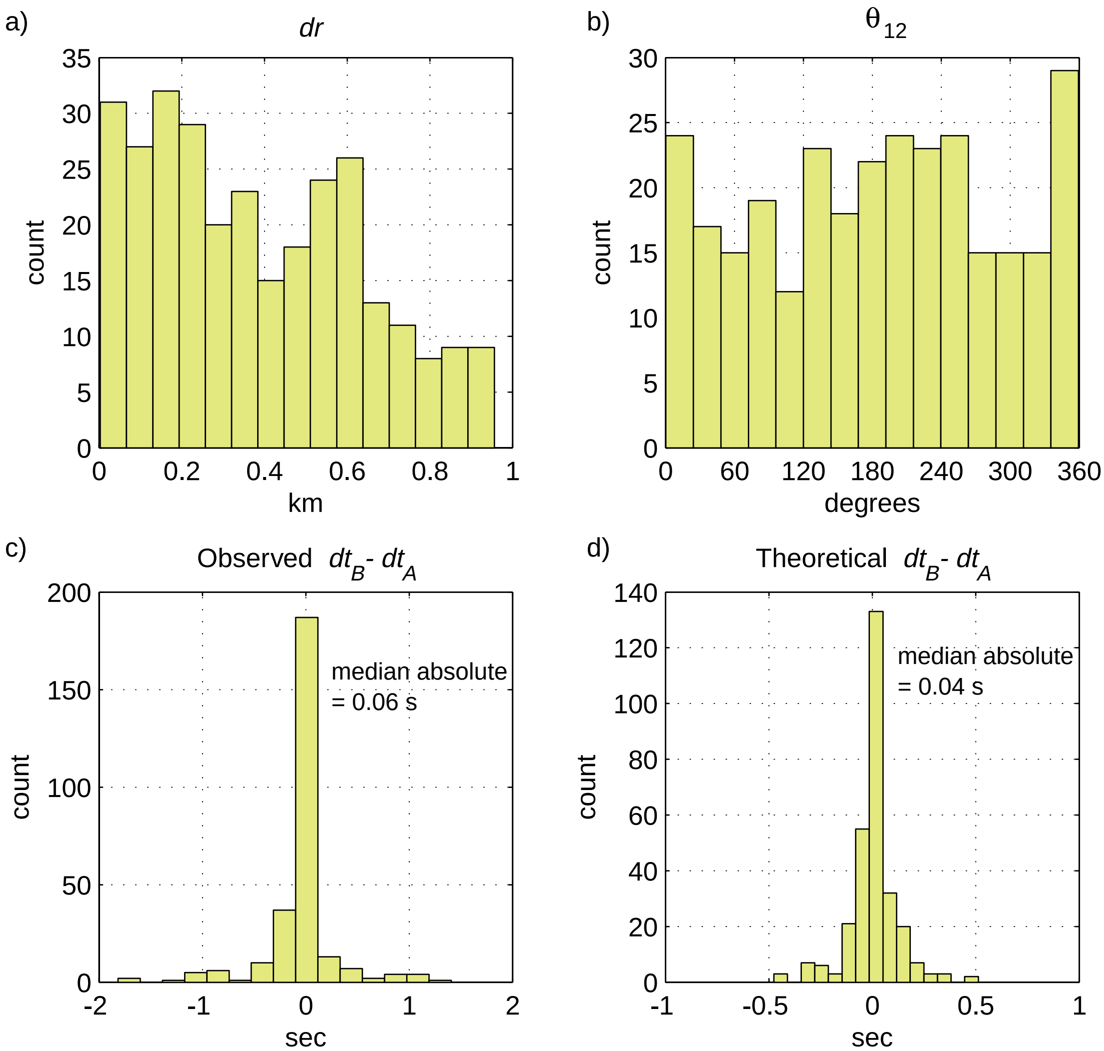

Fig. S2. Given an assumed distribution of event separation vectors, with prescribed magnitude (a) and orientation (b), a comparison of observed (c) and theoretical (d) correlation measurement difference distributions.

same station geometry as for the real observations, ϕ_A and ϕ_B. The resulting theoretical measurement distribution is comparable in shape and size to the observed (Fig. S2c & S2d). The observed distribution has several larger values that could be due to outlier measurements or other factors such as station clock errors. Computing the median statistic which is less sensitive to outliers on the absolute values of both distributions reveals that they are quite comparable and differ by a factor of only 1.5 (0.06 s / 0.04 s). If instead we choose for *dr* to range from 0 to 10 km, the median absolute value statistic also simply scales by the same factor and is then 0.4 s, which is a factor of 0.15 different than the observed. If *dr* ranges from 0 to 0.1 km, the median is 0.004 s and the difference compared to the observed is a factor of 15. Clearly the best order of magnitude estimate for the distribution of *dr* values, given our observations, is in the 0 to 1 km range.

Another approach can provide additional information on the distribution of *dr* values when using only two stations, by examining if any of the data measurements require event separations more than 1 km. The same equation as above is utilized, except now *dr* is fixed at 1 km and instead of θ_{12} being perturbed randomly as before, it is chosen such that the right hand side of the equation is a maximum,

$$|dt_B - dt_A| \geq max\left\{\frac{1}{v}[\cos(\phi_B - \theta_{12}) - \cos(\phi_A - \theta_{12})]\right\}.$$

The value on the right hand side is the maximum possible measurement difference if the events are separated by 1 km, given that particular station geometry and all possible relative event orientations. If the absolute value of the observed measurement differences on the left hand side exceeds this value, then the data requires the events to be separated by more than a kilometer (note: it does not indicate by how much or the orientation).

Following this procedure, we find that ~85% of the observed measurements are consistent with the events being located within 1 km and are not required by the data to be separated by more. One should note that even if an event pair fails this test, it does not necessarily mean the events are truly separated by more than a kilometer, because the test is based on only one data point, which could be an outlier due to measurement error, model error, or both. Many of these differential measurements are quite small (medians around 0.06 s) and are approaching the measurement precision (~ 0.02 s when forming the second difference). A standard inversion procedure using several redundant data points is designed to minimize the total error and find the best solution given the inconsistencies in the data. In other words, if several stations are used it may be found that the events are separated by less than a kilometer, even though the test may have initially failed using only one data point because of its combined measurement and model error. Therefore from the two lines of reasoning presented here for estimating separation distances using only two stations, we conclude that the vast majority of these event pairs meeting the $CC \geq 0.8$ criterion are co-located at the 1 km level or less, on the basis of their relative arrival times.

Measurement Error

In addition to assessing location errors, doublets can be used to empirically quantify pick measurement error in existing bulletins. The ABCE is considered to have an exceptionally high quality of picks compared to many bulletins because of the low travel time residuals and number of regional and crustal phases picked including *S*-waves. Relative pick errors for a doublet pair can be estimated by taking all the arrival time differences for a certain phase recorded at all stations. By subtracting off the mean of these times, the effect of different origin times is removed. Because the events are deduced to be co-located at the 1 km level, the biases due to velocity variations should be common and thus cancel out. Therefore the scatter in these travel time differences shows the scatter due predominantly to pick error. Fig. S3 shows the distribution of these time differences for different regional phases for all the 1301 events that have both events picked at a station. Most of the scatter is on the order of several seconds. For comparison in the bottom right panel of Fig. S3 (labeled Lg_{cc}) we give the estimated measurement errors for the *Lg*-wave computed by waveform cross correlation in a specialized study of the 1999 sequence of events in Xiuyan, China (*S7*).

The standard deviations of the distributions in Fig. S3 are listed in Table S2. Since the tails have greater strength than an ordinary gaussian distribution indicating the presence of more outliers, other statistics such as the mean, median, and max absolute error are also listed. In forming time differences, the variance is the sum of the individual variances, so to get one standard deviation for the absolute pick error in the ABCE it is necessary to divide the sigma column by $\sqrt{2}$, assuming the individual variances are equal. The relative pick error for *P*-phases in the ABCE ranges from 2 to 3 seconds, whereas for *S*-phases it is 3 to 4 seconds. The maximum error for the *P*-phases is in the 20 second range, whereas for *S*-phases it can be several 10s of seconds. *Lg*-phases which are much harder to pick have significantly higher values for all the statistics, as expected because of the emergent and complicated nature of this wave.

We can also estimate measurement precision from the internal consistency and redundancy of cross correlation measurements. The last line of Table S2 reflects these values for twelve well-located events (a subset of the 1301) in a specialized study where quality can be controlled by manual inspection (*S7*). For each statistic these measurements represent better than three orders of magnitude improvement compared to the average statistics for *Lg*-waves in the ABCE. This level of error reduction represents significant

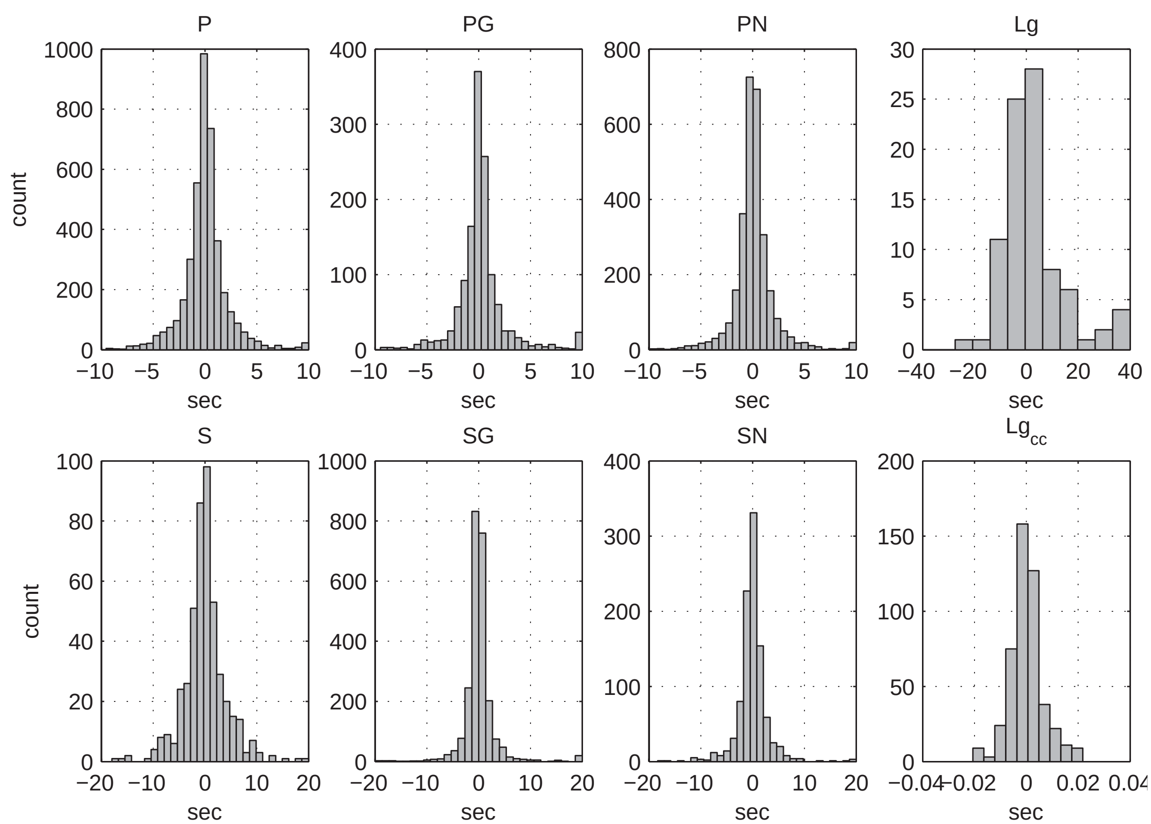

Fig. S3. Distribution of pick errors in the ABCE for various regional phases. Bottom right panel shows estimated measurement errors for waveform cross correlation of *Lg*-waves (*7*).

Table S2. ABCE relative pick errors for 950 doublets (1301 events) in seconds.

phase	nobs	sigma	mean abs	median abs	max abs
P	4056	2.3	1.4	0.8	23
Pg	1321	2.8	1.5	0.7	24
Pn	2870	2.0	1.2	0.7	26
S	466	4.3	2.9	1.7	25
Sg	2402	3.8	1.7	0.9	56
Sn	996	3.2	1.8	1.1	43
Lg	87	18.0	9.1	4.4	112
Lg_{cc}	248	0.006	0.004	0.002	0.02

potential for the use of *Lg*-waves for epicentral location when good correlation data is available. The pick errors for other regional phases in the ABCE are understandably less than for *Lg*. Typical measurement errors for correlation data on a local scale for *P*- and *S*-waves and for regional scales with good enough signal to noise and correlation range from the ms to tenths of seconds level. Therefore improvements on the order of one to two orders of magnitude may be achieved if correlation data is employed for these more easily picked phases.

Underestimate of the True Number of Repeats

As indicated in the main text, the selective criteria used in the automatic procedure underestimates the true number of repeating seismic events that have separations less than 1 km finding only 15 out of 28 in a detailed study (*S7*). The effect of relaxing the CC threshold and also reducing the window length could potentially recover many more of these events. It would also find slightly less similar events that are separated by more than 1 km, but still would have useful measurements for improving larger scale locations. If the CC threshold is set at 0.7 instead of 0.8, 16% of the ~14,000 events would be isolated. If a CC of 0.9 is used, 3% of the events in the catalog are recovered which are presumably the most closely located events. Another factor which contributes to the underestimate of the true number of repeating events is the spatial and temporal variability of the network. Although a repeat may have occurred in a certain region at a particular time, it would not be discovered if there were no station nearby to record it during that period. In general the network coverage improves with time and so the later years are more representative of the true number of repeats (Fig. S4). The curve steepens and is more linear for the 1301 events after 1995. The ABCE catalog has approximately a linear increase in cumulative events with time over the entire period and so the linear segment is probably more representative. An estimate of the percentage of events satisfying the $CC \geq 0.8$ and window length criteria for this latter portion after 1995 is closer to 14%.

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S7. D. P. Schaff, P. G. Richards, *Bull. Seismol. Soc. Am.*, in press.

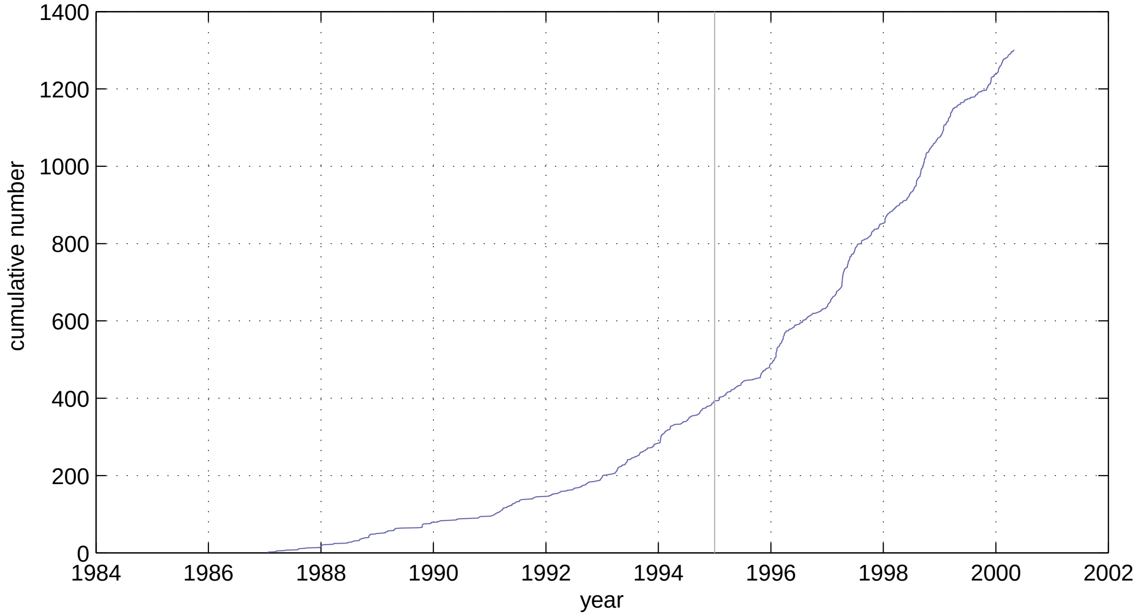

Fig. S4. Cumulative number of events vs. time for the 1301 selected events. Network coverage is more sparse for earlier years underestimating the percentage of repeating events over the entire period. If only the ~900 events after 1995 are considered (out of the ~6400) recorded in the ABCE, then about 14% of the events satisfy the $CC \geq 0.8$ and window length criteria.

Catalog information as obtained from the electronic z-files of the
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YR	MO	DA	HR	MI	SEC	LAT	LON	DEP	MAG	ID
2000	1	5	13	8	17.7	32.20	92.90	33	3.9	100054
2000	1	5	22	1	7.3	32.20	92.70	15	0.0	100065
2000	1	9	18	19	45.1	31.00	95.50	15	3.6	100108
2000	1	11	23	43	56.4	40.50	123.00	10	4.9	100128
2000	1	12	5	0	33.8	40.60	122.70	15	0.0	100135
2000	1	13	6	10	23.7	39.50	77.40	15	0.0	100146
2000	1	16	2	29	1.5	32.60	71.10	33	4.0	100187
2000	1	16	2	46	57.7	39.20	76.90	100	3.8	100188
2000	1	16	7	6	52.7	39.50	76.90	15	0.0	100189
2000	1	16	7	10	38.5	39.40	77.00	15	4.3	100190
2000	1	16	7	34	28.3	39.40	76.90	25	0.0	100191
2000	1	17	22	24	30.7	39.40	77.00	25	0.0	100216
2000	1	18	3	37	31.6	32.70	71.10	33	4.5	100222
2000	1	18	4	52	29.8	43.10	83.90	15	0.0	100224
2000	1	18	15	38	46.5	43.10	83.90	25	0.0	100233
2000	1	19	14	17	25.0	24.80	99.40	10	0.0	100245
2000	1	22	12	4	50.0	31.00	95.50	25	0.0	100287
2000	1	25	16	43	22.9	27.70	92.60	33	5.2	100331
2000	1	25	17	29	56.8	27.60	92.70	23	4.2	100335
2000	1	26	17	8	32.7	27.30	103.30	15	0.0	100349
2000	1	30	6	35	4.5	29.20	92.00	7	4.8	100393
2000	1	31	1	2	34.0	39.60	77.30	15	0.0	100404
2000	2	2	22	21	47.5	41.80	123.90	15	0.0	100437
2000	2	4	11	16	23.6	34.10	91.50	25	3.5	100462

2000	2	5	7	16	40.9	39.80	114.00	15	0.0	100471
2000	2	6	10	44	53.4	25.50	101.00	15	0.0	100485
2000	2	6	11	53	37.3	25.50	101.06	15	0.0	100489
2000	2	7	10	57	0.0	36.30	87.70	25	0.0	100502
2000	2	7	16	15	47.5	36.40	88.20	10	0.0	100504
2000	2	8	19	19	37.0	40.80	113.80	15	0.0	100516
2000	2	12	0	4	22.2	34.00	90.80	23	4.6	100558
2000	2	12	0	19	59.5	33.90	91.00	23	4.3	100559
2000	2	12	5	23	18.4	33.50	103.00	16	3.9	100563
2000	2	12	15	34	42.1	33.90	90.90	23	4.2	100573
2000	2	15	15	56	55.0	25.00	98.60	15	0.0	100606
2000	2	15	17	14	55.0	25.00	98.50	15	0.0	100608
2000	2	17	3	51	25.6	25.50	100.80	15	0.0	100628
2000	2	20	0	19	59.9	31.10	95.50	33	4.3	100660
2000	2	20	16	15	36.1	31.00	95.20	33	4.0	100667
2000	3	1	4	39	25.3	25.50	101.00	15	0.0	100788
2000	3	2	4	34	45.0	41.30	114.50	15	0.0	100806
2000	3	4	2	16	33.8	25.50	101.00	15	0.0	100837
2000	3	13	14	38	36.1	40.00	114.00	15	0.0	100948
2000	3	15	17	35	23.7	25.60	101.10	15	0.0	100971
2000	3	18	5	18	15.0	26.00	100.70	8	3.8	101006
2000	3	19	15	18	27.6	40.30	123.00	9	0.0	101030
2000	3	19	15	41	56.2	40.30	123.00	9	0.0	101032
2000	3	20	18	37	24.9	39.40	77.20	27	0.0	101048
2000	3	21	9	5	50.2	39.87	77.59	15	0.0	101061
2000	3	22	5	6	8.2	39.69	77.14	15	0.0	101067
2000	3	26	20	41	22.3	39.40	76.80	35	4.6	101117
2000	4	1	4	34	55.6	40.80	109.70	15	0.0	101215
2000	4	3	18	40	25.0	39.50	77.20	15	0.0	101254
2000	4	8	16	1	58.2	41.80	83.10	33	4.4	101313
2000	4	8	17	42	4.9	41.90	83.20	15	0.0	101314

2000	4	9	1	4	2.8	41.20	114.60	15	0.0	101318
2000	4	9	16	17	42.1	41.30	114.50	33	4.2	101330
2000	4	9	16	23	28.3	41.10	114.50	15	0.0	101331
2000	4	21	17	36	25.8	31.30	104.00	20	0.0	101481
2000	4	21	19	43	45.5	39.60	74.80	14	3.7	101483
2000	4	22	2	19	36.1	39.30	75.20	21	4.2	101485
2000	4	26	0	34	34.6	36.40	114.60	15	0.0	101549
2000	4	26	1	32	30.0	36.50	114.60	15	0.0	101550
1987	1	18	18	33	53.0	25.25	100.10	15	0.0	108482
1987	1	27	1	18	3.0	25.30	100.10	15	0.0	108551
1987	3	16	9	57	17.6	26.60	100.80	10	0.0	108996
1987	3	16	12	1	5.5	26.50	100.80	7	0.0	108998
1987	3	16	13	23	18.0	26.60	100.70	8	0.0	109001
1987	5	9	19	4	23.1	25.93	98.57	15	0.0	109475
1987	5	16	4	10	34.9	26.09	98.51	16	4.1	109537
1987	8	2	23	19	10.6	25.13	115.60	10	4.7	110245
1987	8	5	20	4	28.2	24.85	99.08	10	4.4	110266
1987	8	5	21	2	22.0	24.80	99.10	8	0.0	110267
1987	8	14	16	59	51.6	25.11	115.57	10	4.0	110354
1987	9	22	23	1	23.0	27.00	101.90	10	0.0	110633
1987	10	2	20	27	54.6	27.07	102.17	33	4.3	110690
1987	12	26	23	33	30.9	38.35	91.34	10	4.5	111320
1987	12	27	19	18	12.0	31.85	103.58	10	4.4	111324
1987	12	28	21	0	2.3	31.79	103.59	15	4.4	111329
1987	12	29	11	17	36.6	35.60	99.60	15	0.0	111330
1988	1	3	20	9	21.4	38.43	91.34	10	4.4	111368
1988	1	4	13	25	22.3	38.40	106.10	12	0.0	111376
1988	1	5	23	1	8.6	38.10	106.30	10	0.0	111391
1988	1	16	7	11	37.8	34.42	104.46	16	0.0	111481
1988	3	19	19	42	25.1	27.16	100.04	33	4.3	111993
1988	3	21	14	5	19.4	27.06	102.85	33	4.3	112006

1988	3	23	8	0	5.8	26.59	102.45	10	0.0	112020
1988	6	9	9	40	26.3	35.39	99.55	10	4.2	112625
1988	6	24	21	15	24.7	27.10	101.03	15	0.0	112742
1988	6	24	21	43	36.3	27.13	101.02	15	0.0	112743
1988	7	19	8	11	16.4	25.90	101.15	10	0.0	112911
1988	7	20	19	56	55.2	25.84	101.10	10	4.6	112920
1988	7	30	10	44	33.2	39.60	118.78	10	0.0	113017
1988	8	3	1	5	27.4	39.54	118.85	5	0.0	113047
1988	9	6	3	19	12.0	26.20	102.40	10	0.0	113281
1988	9	6	19	35	50.4	42.10	83.40	12	0.0	113288
1988	9	7	21	47	13.5	42.10	83.50	15	0.0	113295
1988	9	8	7	37	17.5	42.00	83.40	13	0.0	113299
1988	9	18	19	58	51.1	27.10	104.40	25	0.0	113373
1988	9	18	20	14	2.0	27.10	104.40	20	0.0	113374
1988	10	6	9	5	51.5	25.58	98.54	15	0.0	113473
1988	10	8	2	6	58.8	25.58	99.02	15	0.0	113486
1988	11	6	20	1	16.9	23.91	99.44	10	3.8	113689
1988	11	6	21	19	4.4	23.20	99.54	10	4.2	113692
1988	11	7	10	21	28.4	23.10	99.13	10	0.0	113703
1988	11	8	1	51	6.0	22.90	99.60	10	0.0	113712
1988	11	9	1	14	6.9	22.88	100.07	10	0.0	113716
1988	11	9	12	32	18.8	23.25	98.92	10	0.0	113717
1988	11	11	19	16	35.7	23.10	99.30	2	0.0	113733
1988	11	18	18	21	44.8	23.21	99.69	10	5.0	113778
1988	11	18	22	18	44.2	22.72	99.63	10	4.4	113780
1988	12	22	3	49	46.8	23.25	99.37	10	5.0	114020
1988	12	25	3	41	44.5	22.86	99.96	12	0.0	114048
1989	1	26	14	48	5.2	27.40	102.70	10	0.0	114340
1989	2	22	12	49	30.6	27.30	102.80	10	0.0	114589
1989	2	22	19	4	36.2	25.99	98.94	15	4.7	114590
1989	2	23	22	50	10.5	26.00	99.00	15	0.0	114601

1989	3	7	7	51	61.7	36.20	77.86	25	0.0	114690
1989	3	9	17	49	9.2	27.35	102.78	15	0.0	114707
1989	3	9	23	39	27.0	36.00	77.50	10	0.0	114709
1989	4	16	18	25	50.3	29.87	99.27	15	5.1	114972
1989	4	16	19	50	57.8	29.80	99.19	13	4.9	114974
1989	4	23	3	51	57.2	39.05	72.65	33	4.5	115021
1989	4	23	6	10	25.3	39.33	73.21	33	4.6	115022
1989	4	25	7	34	15.3	29.99	99.34	20	4.2	115045
1989	5	1	17	34	9.7	29.96	99.37	10	4.9	115106
1989	6	4	15	7	46.4	23.44	99.33	10	5.0	115420
1989	9	30	1	6	54.5	42.17	84.40	21	0.0	116254
1989	10	18	14	57	22.5	39.89	113.88	10	5.1	116378
1989	10	19	2	43	8.5	39.55	113.51	12	0.0	116403
1989	10	19	3	59	11.6	39.54	113.51	15	0.0	116406
1989	10	19	4	24	40.2	39.56	113.53	10	0.0	116407
1989	10	19	12	32	15.9	39.55	113.52	10	0.0	116411
1989	10	20	6	47	59.4	41.51	82.25	15	0.0	116424
1989	10	21	2	4	58.4	41.53	82.29	15	0.0	116436
1989	10	21	19	14	26.1	39.53	113.46	18	0.0	116444
1989	10	24	13	38	28.9	41.64	82.29	33	4.8	116468
1989	10	27	0	57	30.7	41.51	82.27	15	0.0	116496
1989	12	12	5	9	8.6	24.58	101.25	16	0.0	116903
1989	12	15	8	12	0.5	24.58	101.24	15	0.0	116927
1989	12	16	16	2	15.5	24.58	101.25	15	0.0	116966
1989	12	16	17	20	51.4	25.01	101.25	7	0.0	116968
1990	1	26	22	46	19.9	23.35	100.24	33	4.6	117291
1990	1	26	23	27	40.3	23.34	100.19	33	4.5	117292
1990	2	9	4	4	34.5	26.07	98.90	10	4.7	117366
1990	2	14	5	24	30.7	23.20	99.40	10	0.0	117397
1990	4	13	16	58	32.5	26.30	102.80	33	0.0	117778
1990	5	26	19	12	53.4	23.60	100.37	15	0.0	118064

1990	6	1	4	23	2.3	25.88	102.73	10	0.0	118095
1990	6	1	19	56	34.8	25.82	102.82	10	0.0	118104
1990	6	17	16	21	20.1	24.82	99.13	10	0.0	118178
1990	8	17	22	36	36.0	24.78	99.10	10	0.0	118555
1990	10	17	1	35	10.4	26.57	103.07	10	0.0	118860
1990	10	22	1	5	22.3	37.17	103.57	15	0.0	118893
1990	10	24	15	56	34.9	37.13	103.57	4	0.0	118906
1990	10	26	0	57	30.9	28.22	103.90	10	0.0	118919
1990	10	31	14	3	1.1	26.65	102.95	15	0.0	118945
1991	1	1	16	59	35.7	42.20	84.70	18	0.0	119372
1991	1	13	21	51	54.7	41.79	81.29	33	4.3	119448
1991	1	21	5	12	2.4	35.70	80.80	15	0.0	119498
1991	1	23	23	20	16.6	23.20	103.90	10	0.0	119516
1991	2	1	10	34	55.7	41.70	81.30	15	0.0	119558
1991	2	2	6	24	6.0	34.70	104.70	5	0.0	119563
1991	2	3	6	31	48.1	41.65	81.11	10	4.6	119570
1991	2	12	13	1	0.3	29.67	96.91	17	4.9	119618
1991	2	13	16	28	18.8	29.73	96.89	33	4.7	119628
1991	2	26	13	34	37.1	40.40	79.10	20	0.0	119719
1991	2	26	18	28	40.2	40.40	79.10	15	0.0	119723
1991	3	6	16	4	8.8	35.87	80.96	33	4.1	119774
1991	3	7	2	34	25.8	40.40	78.90	20	0.0	119778
1991	3	12	13	43	8.4	40.40	78.90	10	0.0	119824
1991	3	15	2	15	39.6	40.50	79.00	20	0.0	119841
1991	3	16	3	6	46.9	40.50	79.10	20	0.0	119851
1991	3	25	18	2	41.5	39.89	113.92	10	5.1	119897
1991	3	25	20	1	29.9	39.90	113.80	10	0.0	119899
1991	3	25	20	23	14.3	39.90	113.80	10	0.0	119900
1991	3	28	13	7	45.2	39.90	113.90	5	0.0	119932
1991	3	28	13	51	26.4	39.90	114.00	10	0.0	119933
1991	3	29	17	32	28.0	40.40	79.00	20	0.0	119940

1991	4	12	12	24	23.4	40.35	79.02	20	0.0	120018
1991	4	23	10	12	59.3	35.90	81.00	10	0.0	120090
1991	4	23	16	51	11.3	40.15	78.17	29	0.0	120091
1991	4	25	10	55	33.6	40.13	78.12	23	0.0	120101
1991	5	6	14	31	10.5	44.58	86.80	29	0.0	120171
1991	5	6	16	8	25.8	44.63	86.78	24	0.0	120172
1991	5	23	20	47	17.5	40.10	78.95	33	3.9	120258
1991	5	24	11	50	59.1	41.65	81.13	16	0.0	120261
1991	5	24	18	53	34.9	41.67	81.08	27	0.0	120263
1991	5	29	11	2	10.9	39.66	118.46	12	4.6	120300
1991	5	29	23	6	56.6	39.61	118.38	24	4.9	120306
1991	6	9	20	7	49.5	39.32	73.53	10	0.0	120376
1991	6	14	17	1	43.8	39.20	73.70	15	0.0	120407
1991	6	16	2	7	11.7	39.30	73.67	45	0.0	120428
1991	6	20	13	44	53.4	39.42	74.55	10	0.0	120464
1991	6	21	9	48	48.3	39.10	75.47	15	4.2	120471
1991	7	12	19	26	20.4	20.97	101.88	10	0.0	120595
1991	7	12	21	56	31.7	39.48	94.92	10	0.0	120597
1991	7	12	22	6	0.2	39.42	94.83	15	4.8	120598
1991	7	16	12	17	20.6	20.95	101.80	10	0.0	120614
1991	7	18	13	24	59.9	30.36	94.87	33	5.0	120625
1991	7	28	17	29	26.1	36.00	80.88	12	0.0	120682
1991	9	1	21	4	51.8	23.62	100.38	10	0.0	120878
1991	10	6	9	48	57.8	37.80	101.30	10	0.0	121037
1991	10	6	15	30	28.1	37.80	101.35	10	0.0	121041
1991	10	9	7	33	15.1	27.70	100.85	10	0.0	121055
1991	10	15	20	20	9.3	43.91	87.08	29	4.3	121107
1991	10	20	19	0	15.7	36.00	80.80	10	0.0	121149
1991	11	3	0	2	25.9	28.36	103.98	33	4.5	121205
1992	1	3	16	12	7.9	37.60	102.30	20	0.0	121546
1992	1	22	18	28	1.4	25.40	97.70	10	0.0	121637

1992	1	22	19	15	21.4	25.43	97.70	10	0.0	121638
1992	2	4	15	7	22.3	22.60	99.20	10	0.0	121709
1992	2	4	22	6	6.0	22.90	99.70	33	0.0	121711
1992	2	11	0	56	12.9	27.60	100.70	10	0.0	121752
1992	2	11	1	34	1.8	27.60	100.80	10	0.0	121754
1992	2	28	10	5	6.7	26.70	104.40	10	0.0	121838
1992	3	18	13	22	40.1	35.80	80.90	22	0.0	121954
1992	3	21	16	0	12.7	41.90	83.90	19	0.0	121970
1992	3	25	19	45	5.1	41.95	83.90	21	0.0	121993
1992	4	2	14	19	18.5	43.80	87.00	17	0.0	122042
1992	4	5	8	23	50.6	35.50	80.50	22	0.0	122060
1992	4	5	16	11	14.5	36.00	80.90	20	0.0	122067
1992	5	3	11	39	14.0	40.30	79.00	16	0.0	122208
1992	5	17	4	17	56.5	23.32	99.89	33	3.8	122278
1992	5	17	20	46	33.8	23.30	100.10	10	0.0	122287
1992	6	12	20	14	30.6	44.30	116.10	10	0.0	122473
1992	6	25	9	41	49.8	40.47	78.55	33	4.7	122556
1992	6	27	19	5	12.4	40.70	78.60	12	0.0	122570
1992	7	1	2	31	30.4	41.30	79.30	29	0.0	122591
1992	7	1	3	39	49.2	41.30	79.30	23	0.0	122592
1992	7	18	19	6	53.6	26.90	104.40	10	0.0	122711
1992	8	2	5	44	35.1	25.83	102.81	10	4.5	122784
1992	8	7	8	43	22.6	23.16	103.92	10	4.3	122816
1992	8	19	10	17	35.2	42.26	73.25	22	5.1	122902
1992	8	19	22	45	54.2	42.40	73.40	36	0.0	122909
1992	8	23	7	15	8.6	42.00	73.20	30	0.0	122935
1992	8	23	20	35	7.0	42.00	73.40	25	0.0	122939
1992	9	2	2	12	36.1	35.86	80.86	10	4.6	122996
1992	9	13	19	17	0.7	43.90	116.50	10	0.0	123071
1992	9	16	18	0	4.5	36.00	80.90	25	0.0	123087
1992	9	16	18	50	5.4	36.00	80.90	33	0.0	123090

1992	9	23	11	32	44.9	28.90	106.90	10	0.0	123122
1992	9	25	7	59	59.9	41.76	88.39	10	5.0	123137
1992	9	26	2	56	46.9	23.01	103.90	9	0.0	123142
1992	10	1	19	55	28.5	45.70	85.30	20	0.0	123192
1992	10	4	23	1	5.5	45.70	85.35	15	0.0	123207
1992	10	18	9	16	23.5	35.16	81.64	25	4.3	123274
1992	11	12	19	40	33.4	35.40	81.53	15	0.0	123459
1992	11	24	6	16	9.3	36.00	80.90	15	0.0	123517
1992	12	10	14	52	56.3	37.50	102.60	7	0.0	123603
1992	12	18	11	21	44.7	26.36	100.87	29	5.0	123680
1992	12	19	3	0	31.6	37.50	102.50	2	0.0	123685
1992	12	19	8	28	24.0	40.45	78.37	33	4.6	123687
1992	12	22	11	7	58.9	26.30	100.60	15	0.0	123712
1992	12	24	17	8	48.2	35.76	80.61	33	4.8	123729
1992	12	25	6	15	25.0	34.85	104.89	20	3.6	123732
1992	12	27	12	39	5.8	35.25	110.80	33	0.0	123748
1992	12	30	20	47	31.6	37.60	102.50	3	0.0	123771
1992	12	31	10	30	37.7	33.90	100.80	10	0.0	123778
1993	1	1	2	54	42.7	35.20	111.03	10	3.9	123781
1993	1	2	10	59	26.2	26.40	100.50	12	0.0	123790
1993	1	3	0	1	57.4	33.60	100.50	9	0.0	123793
1993	1	3	15	58	55.3	35.20	111.10	8	0.0	123795
1993	1	12	6	19	19.9	34.44	80.54	33	4.7	123850
1993	2	5	22	44	49.4	35.10	111.10	20	0.0	123985
1993	2	11	6	1	13.6	31.90	101.30	10	0.0	124020
1993	3	3	3	24	26.5	40.49	78.98	28	4.5	124148
1993	3	10	12	17	2.1	23.50	99.70	12	0.0	124201
1993	3	25	12	36	56.9	29.30	105.70	10	0.0	124291
1993	3	28	22	48	54.5	37.20	94.40	11	0.0	124315
1993	3	29	1	17	29.2	21.87	103.10	33	4.6	124317
1993	3	30	4	38	24.9	32.10	101.30	11	0.0	124329

1993	3	30	13	57	9.2	21.88	103.07	33	4.4	124332
1993	4	4	6	4	6.1	26.00	98.80	10	0.0	124362
1993	4	6	15	45	33.6	25.00	99.40	10	0.0	124385
1993	4	6	23	23	13.1	25.90	98.70	10	0.0	124389
1993	4	8	21	11	25.1	28.00	101.00	16	0.0	124400
1993	4	8	21	35	10.4	28.00	101.00	16	0.0	124402
1993	4	9	14	37	36.0	27.91	101.07	10	4.3	124412
1993	4	10	3	13	2.1	27.90	101.00	12	0.0	124418
1993	4	12	0	36	46.6	27.92	100.98	10	3.8	124431
1993	4	12	6	54	43.7	28.04	100.84	10	4.2	124434
1993	4	13	21	4	2.0	23.50	99.70	10	0.0	124442
1993	4	15	19	22	21.1	25.90	98.60	10	0.0	124456
1993	4	19	6	9	0.5	39.50	74.90	29	0.0	124482
1993	4	26	16	24	7.2	34.54	80.51	10	4.5	124525
1993	5	4	7	53	4.7	39.70	74.30	21	0.0	124569
1993	5	5	13	49	31.8	28.00	99.60	15	0.0	124576
1993	5	10	0	52	7.2	35.10	106.70	13	0.0	124594
1993	5	11	14	35	38.1	28.10	99.70	15	4.6	124600
1993	5	29	8	3	36.8	23.00	99.00	25	0.0	124719
1993	5	30	7	26	40.4	23.70	100.50	15	0.0	124724
1993	5	30	7	38	31.7	23.70	100.40	5	0.0	124725
1993	5	30	10	1	9.4	23.70	100.40	18	0.0	124728
1993	6	1	5	13	15.6	36.10	80.97	33	0.0	124741
1993	6	4	1	4	1.5	23.72	100.29	10	4.5	124759
1993	6	9	15	22	47.3	28.58	103.55	19	0.0	124803
1993	6	10	11	38	45.9	37.32	111.80	27	0.0	124807
1993	6	10	12	8	10.6	37.12	111.63	10	0.0	124809
1993	6	11	23	27	21.2	22.93	99.12	33	4.4	124820
1993	6	13	2	6	42.0	28.63	103.53	14	0.0	124830
1993	6	13	7	39	51.1	28.60	103.47	14	0.0	124832
1993	6	13	9	17	5.8	28.58	103.60	17	0.0	124833

1993	6	13	12	14	6.4	28.57	103.48	8	0.0	124834
1993	7	4	11	33	22.2	46.30	118.90	10	0.0	124954
1993	7	5	21	7	13.3	29.00	104.60	10	0.0	124961
1993	7	7	22	37	27.7	35.00	106.60	10	0.0	124979
1993	7	9	21	40	16.9	29.30	104.00	10	0.0	124999
1993	7	14	13	17	32.5	26.20	100.60	10	0.0	125046
1993	7	25	6	53	4.7	29.90	114.20	10	0.0	125113
1993	7	29	17	58	20.8	29.80	114.20	10	0.0	125134
1993	8	10	5	56	38.6	24.60	101.80	15	0.0	125209
1993	8	11	1	7	33.8	23.66	100.28	10	4.2	125219
1993	8	18	4	18	50.6	24.60	101.90	10	0.0	125259
1993	8	23	15	15	28.2	29.20	104.60	10	0.0	125290
1993	8	29	6	0	54.2	26.30	100.60	10	0.0	125314
1993	8	29	16	49	36.9	23.60	100.50	10	0.0	125318
1993	8	29	23	27	59.6	39.90	113.80	13	0.0	125320
1993	8	30	0	13	38.8	39.90	113.80	15	0.0	125322
1993	9	2	3	17	50.8	39.90	113.80	10	0.0	125340
1993	9	4	17	25	11.1	30.34	94.83	10	5.1	125362
1993	9	4	20	22	30.4	37.19	94.31	18	5.1	125364
1993	9	4	22	6	52.9	37.21	94.53	16	5.0	125366
1993	9	20	9	17	8.4	33.50	103.90	10	0.0	125481
1993	9	20	11	38	21.7	33.50	103.90	5	0.0	125485
1993	9	25	23	51	8.3	23.60	100.50	10	0.0	125523
1993	9	28	20	44	22.5	23.34	100.76	10	3.8	125536
1993	10	7	3	26	58.9	38.21	88.73	11	5.0	125617
1993	10	7	16	48	1.1	38.40	88.90	10	0.0	125620
1993	10	10	20	56	9.6	23.60	100.40	10	0.0	125636
1993	10	17	13	58	20.8	23.60	100.40	10	0.0	125672
1993	10	20	5	23	51.9	41.80	82.50	24	0.0	125690
1993	10	21	4	1	6.0	41.90	82.40	11	0.0	125697
1993	10	21	18	39	27.6	41.80	82.50	7	0.0	125703

1993	11	12	23	14	47.1	23.58	100.40	15	0.0	125831
1993	11	22	7	9	43.8	41.80	82.52	20	0.0	125896
1993	11	22	10	16	35.3	41.65	82.50	25	4.4	125898
1993	11	24	13	57	33.7	25.92	98.60	15	0.0	125907
1993	12	1	4	37	32.5	30.70	102.80	15	0.0	125945
1993	12	1	9	26	5.5	39.16	75.75	10	4.3	125946
1993	12	1	13	11	19.1	39.12	75.76	15	0.0	125947
1993	12	1	14	18	0.0	39.30	75.70	29	0.0	125950
1993	12	3	23	11	57.7	39.14	75.64	10	4.3	125964
1993	12	4	8	38	17.2	39.30	75.60	18	0.0	125965
1993	12	14	0	31	7.6	25.00	101.40	15	0.0	126048
1993	12	22	4	34	7.3	35.10	106.80	16	0.0	126094
1993	12	30	4	34	12.8	30.80	102.80	15	0.0	126138
1994	1	11	13	56	57.0	44.00	86.90	18	0.0	126229
1994	1	12	10	16	48.2	39.20	75.50	15	0.0	126237
1994	1	12	11	13	46.4	40.80	75.50	20	0.0	126239
1994	1	12	11	49	25.9	39.16	75.65	33	4.4	126240
1994	1	12	22	59	11.8	44.00	86.90	26	0.0	126243
1994	1	13	18	37	55.0	44.00	86.90	18	0.0	126248
1994	1	13	19	2	55.7	44.00	86.90	25	0.0	126249
1994	1	13	20	31	8.1	44.00	86.90	24	0.0	126251
1994	1	14	3	11	14.2	44.00	86.90	24	0.0	126254
1994	1	14	10	51	14.0	44.00	86.90	24	0.0	126259
1994	1	14	14	44	31.2	44.10	86.90	24	0.0	126261
1994	1	14	17	9	5.3	44.10	86.90	18	0.0	126262
1994	1	14	17	21	9.9	44.00	86.90	25	0.0	126263
1994	1	16	7	11	12.7	44.10	86.90	11	0.0	126277
1994	1	17	5	47	31.0	38.10	104.28	10	4.0	126284
1994	1	17	9	33	36.7	39.30	75.50	30	0.0	126286
1994	1	17	11	53	56.3	39.50	75.50	33	0.0	126287
1994	1	17	23	15	23.4	38.40	74.20	140	0.0	126290

1994	1	20	0	57	56.8	38.00	103.99	10	4.5	126306
1994	1	20	9	51	4.4	38.14	104.10	10	4.3	126311
1994	1	21	22	2	58.7	44.20	86.90	15	0.0	126319
1994	1	26	7	11	22.9	29.60	105.40	15	0.0	126345
1994	1	26	21	54	18.2	37.92	104.09	15	4.4	126352
1994	1	31	2	53	37.4	24.90	99.30	10	0.0	126370
1994	2	5	17	20	33.1	29.00	103.70	17	0.0	126401
1994	2	7	8	40	6.3	29.10	103.70	15	0.0	126406
1994	2	10	18	23	8.2	25.95	100.10	10	0.0	126424
1994	2	11	8	59	24.8	25.95	100.10	10	0.0	126429
1994	2	12	20	5	31.8	26.00	100.10	15	0.0	126444
1994	2	13	3	55	53.6	39.65	74.60	30	0.0	126445
1994	2	19	18	52	55.2	40.30	79.00	23	0.0	126498
1994	2	23	1	53	21.9	29.36	105.43	25	3.6	126519
1994	2	28	13	31	2.7	29.17	104.70	15	0.0	126552
1994	2	28	14	3	23.6	25.05	101.40	15	0.0	126553
1994	3	14	21	16	3.1	25.90	98.70	15	0.0	126623
1994	3	16	6	43	59.3	29.10	104.70	15	0.0	126634
1994	3	17	17	34	28.1	23.54	100.30	33	4.0	126641
1994	3	18	3	9	36.8	23.60	100.40	33	0.0	126644
1994	3	18	16	7	9.0	29.60	105.50	15	0.0	126647
1994	3	18	16	16	48.6	23.60	100.40	15	0.0	126648
1994	3	18	16	20	35.1	23.60	100.40	15	0.0	126649
1994	3	18	17	12	22.6	23.60	100.40	15	0.0	126650
1994	3	19	2	11	28.5	36.00	80.90	33	0.0	126653
1994	3	20	10	26	58.0	36.00	80.80	32	0.0	126661
1994	3	31	23	28	5.3	43.60	83.20	23	0.0	126707
1994	4	4	5	35	5.9	29.10	106.92	15	0.0	126728
1994	4	13	19	41	56.5	23.62	100.45	15	0.0	126768
1994	4	15	0	36	25.4	46.23	118.58	15	0.0	126776
1994	5	24	11	17	45.8	25.60	117.20	13	0.0	127002

1994	5	27	8	1	28.7	44.40	80.90	23	0.0	127036
1994	5	31	7	17	51.9	25.60	117.20	11	0.0	127057
1994	6	2	13	26	10.1	25.50	95.60	10	0.0	127068
1994	6	8	21	3	43.5	43.23	86.89	23	4.6	127165
1994	6	9	10	50	26.2	40.30	77.01	10	0.0	127172
1994	6	9	11	15	10.3	40.60	77.01	15	0.0	127173
1994	6	29	19	25	26.3	32.20	92.80	10	0.0	127314
1994	6	30	2	8	38.6	32.20	93.60	10	0.0	127320
1994	7	5	11	59	19.3	23.41	100.37	33	4.9	127357
1994	7	7	19	50	39.4	37.88	106.25	15	0.0	127369
1994	7	8	13	24	10.5	37.88	106.27	25	0.0	127375
1994	7	9	20	57	41.9	38.50	74.00	119	0.0	127384
1994	7	15	10	44	45.2	26.83	100.22	15	0.0	127415
1994	7	15	22	57	1.5	29.40	105.42	15	0.0	127421
1994	7	16	9	50	42.1	26.83	100.23	15	0.0	127425
1994	7	19	5	29	26.3	42.57	83.27	24	0.0	127444
1994	7	19	16	18	49.4	44.78	81.29	15	0.0	127448
1994	7	21	9	14	43.0	29.43	105.45	15	0.0	127452
1994	8	1	22	23	18.7	48.00	130.95	8	0.0	127521
1994	8	1	22	23	39.7	47.80	130.70	15	0.0	127522
1994	8	5	18	14	18.7	43.70	85.95	26	0.0	127547
1994	8	16	12	12	39.6	29.20	103.96	14	0.0	127605
1994	9	2	6	57	48.9	35.90	81.00	20	0.0	127706
1994	9	11	20	43	17.1	40.07	122.00	15	0.0	127772
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1994	9	25	18	29	20.0	31.60	104.10	25	0.0	127893
1994	9	26	14	42	3.6	36.40	106.20	23	0.0	127896

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1995	1	31	4	26	6.2	37.90	112.50	15	0.0	128827
1995	1	31	13	9	42.0	36.10	80.80	24	0.0	128832
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1995	2	1	0	41	0.1	40.80	122.45	10	0.0	128835
1995	2	1	16	13	28.7	40.77	122.43	14	0.0	128840
1995	2	2	8	50	36.2	24.48	98.78	15	0.0	128846
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1995	3	5	7	0	0.4	24.67	99.96	33	4.4	129067
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1995	3	14	13	41	27.4	26.03	99.60	5	0.0	129107
1995	3	14	14	18	50.6	26.00	99.57	15	0.0	129108
1995	3	14	15	30	20.5	25.98	99.55	15	0.0	129109
1995	3	15	20	25	50.0	26.00	99.60	15	0.0	129116
1995	3	17	6	51	25.7	40.28	79.08	12	0.0	129125
1995	3	23	6	14	44.4	20.33	109.43	15	0.0	129166
1995	3	24	15	38	43.2	26.25	102.32	15	0.0	129171
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1995	4	15	5	11	0.2	40.80	122.40	6	0.0	129295
1995	4	15	21	7	40.3	20.40	109.40	10	0.0	129299
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1995	4	25	22	28	46.2	29.50	105.40	10	0.0	129379
1995	4	30	1	7	12.5	29.40	105.50	10	0.0	129408
1995	5	7	7	16	13.5	20.42	109.41	10	4.2	129450
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1995	5	19	22	51	42.2	40.52	76.83	15	0.0	129549
1995	5	20	11	6	61.6	40.20	76.42	10	0.0	129553
1995	5	23	20	55	55.9	34.47	107.58	10	0.0	129583
1995	5	30	17	15	32.8	43.10	84.20	15	0.0	129638
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1995	6	14	17	41	11.2	37.60	106.20	15	0.0	129721
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1995	6	22	3	47	43.1	36.10	80.60	30	0.0	129763
1995	6	27	15	6	40.8	40.40	77.10	29	0.0	129800
1995	6	29	16	55	42.5	44.20	120.40	10	0.0	129817
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1995	7	4	16	40	36.3	30.30	94.88	44	4.8	129847
1995	7	7	15	18	49.6	41.57	82.13	24	4.2	129870
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1995	10	23	22	46	51.8	26.00	102.23	10	5.8	130482
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1995	10	25	2	42	57.1	25.90	102.43	10	4.3	130498

1995	10	25	4	21	52.1	25.77	102.26	10	4.4	130500
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1995	10	27	2	5	36.5	25.90	102.20	10	4.3	130517
1995	10	28	12	55	5.3	26.02	102.30	10	4.4	130527
1995	10	28	20	36	3.7	25.96	102.26	10	4.5	130531
1995	10	29	17	18	42.4	25.85	102.22	10	4.5	130535
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1995	11	5	20	52	45.6	41.90	81.50	20	4.1	130589
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1995	11	13	5	16	23.3	36.00	81.00	20	0.0	130639
1995	11	13	7	3	7.7	40.38	113.29	15	0.0	130641
1995	11	14	21	19	43.9	36.75	81.50	22	0.0	130657
1995	11	25	20	49	24.4	31.10	86.80	24	4.7	130704
1995	11	26	4	37	44.9	31.11	86.72	27	4.2	130708
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1995	11	29	19	16	49.1	26.03	102.27	20	3.8	130732
1995	12	5	10	11	13.5	29.46	105.37	15	0.0	130821
1995	12	12	16	43	1.6	26.80	104.20	15	0.0	130886
1995	12	21	17	50	39.4	38.29	74.14	10	4.0	130941
1995	12	23	3	43	0.9	43.10	84.10	23	0.0	130944
1995	12	23	9	44	45.2	32.70	93.00	15	0.0	130945
1995	12	23	13	6	34.6	43.10	84.10	18	0.0	130948
1995	12	23	15	50	21.6	37.81	73.30	23	4.0	130949
1995	12	23	15	57	36.2	37.63	72.99	33	3.9	130950
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1995	12	24	10	3	12.7	37.15	78.10	30	0.0	130954
1995	12	25	21	17	57.7	37.80	77.90	25	0.0	130968
1995	12	28	9	22	42.0	37.72	73.96	118	3.9	130989

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1995	12	31	23	33	4.4	37.53	78.64	23	4.1	131010
1996	1	8	9	44	10.5	35.92	78.27	10	3.7	131083
1996	1	9	9	51	41.3	43.80	85.60	15	0.0	131089
1996	1	10	13	56	58.9	43.80	85.60	15	0.0	131093
1996	1	11	1	5	58.6	39.46	75.06	10	4.0	131097
1996	1	11	19	39	50.3	30.00	108.00	15	0.0	131105
1996	1	13	5	22	8.1	40.20	77.00	25	4.0	131113
1996	1	20	6	8	40.2	32.70	92.80	30	0.0	131142
1996	1	20	17	40	32.4	25.92	102.38	15	0.0	131145
1996	1	21	16	43	48.8	35.24	75.74	129	3.7	131148
1996	1	21	18	52	30.7	35.55	75.68	30	4.2	131149
1996	1	23	17	34	41.0	30.48	79.41	23	4.3	131160
1996	1	25	2	27	37.1	30.60	102.80	15	0.0	131161
1996	1	26	8	57	36.7	36.26	77.70	115	4.4	131171
1996	1	26	18	5	45.1	40.70	112.50	15	0.0	131172
1996	1	27	3	25	37.5	43.90	87.20	15	0.0	131174
1996	1	31	2	35	42.7	42.60	85.50	15	0.0	131195
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1996	2	3	12	37	1.0	27.23	100.05	15	4.0	131223
1996	2	3	12	49	11.3	27.19	100.18	10	4.0	131224
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1996	2	3	14	19	36.7	27.00	100.11	10	4.4	131234
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1996	2	4	4	37	48.0	26.85	100.18	10	4.1	131249
1996	2	5	3	26	10.5	26.91	100.21	10	4.7	131265

1996	2	5	19	40	21.9	26.90	100.12	10	4.3	131270
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1996	2	6	2	46	27.7	27.19	100.14	10	4.5	131275
1996	2	7	21	4	28.7	26.77	100.18	10	4.6	131302
1996	2	8	4	20	33.5	26.90	100.20	17	0.0	131309
1996	2	8	10	34	53.6	27.20	99.90	25	0.0	131311
1996	2	8	22	4	40.8	27.00	100.20	21	0.0	131312
1996	2	8	22	46	39.8	26.83	100.18	10	4.4	131313
1996	2	8	23	9	14.5	27.00	100.30	19	0.0	131314
1996	2	10	17	6	1.8	27.00	100.20	10	0.0	131324
1996	2	11	17	41	18.6	35.96	78.60	33	4.0	131329
1996	2	11	19	38	43.6	26.60	104.10	15	0.0	131330
1996	2	13	4	33	24.2	29.50	105.50	15	0.0	131341
1996	2	16	16	57	28.1	26.95	100.13	33	4.3	131360
1996	2	20	8	5	7.1	42.00	90.80	15	0.0	131411
1996	2	25	21	37	38.2	27.30	100.10	10	0.0	131437
1996	2	26	20	27	37.1	35.73	78.70	33	4.0	131447
1996	2	27	18	18	3.0	42.40	87.70	12	0.0	131449
1996	2	27	23	55	16.3	35.67	78.60	33	3.8	131450
1996	2	28	10	20	8.1	35.64	78.53	33	4.8	131454
1996	2	28	23	21	48.7	27.01	99.99	33	4.2	131461
1996	2	29	2	25	49.9	26.90	100.20	15	0.0	131462
1996	3	4	14	2	22.9	44.13	87.20	33	3.9	131492
1996	3	8	9	35	57.9	41.00	91.40	10	0.0	131517
1996	3	9	3	9	50.1	35.40	76.20	10	0.0	131522
1996	3	10	11	38	58.7	43.50	87.80	10	0.0	131534
1996	3	12	8	19	58.0	43.90	87.20	10	0.0	131541
1996	3	12	21	20	15.3	30.01	88.15	11	4.9	131544
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1996	3	13	3	52	18.4	27.04	100.39	13	4.7	131549
1996	3	13	14	4	3.2	36.00	78.50	10	0.0	131553

1996	3	16	6	46	53.6	27.14	100.63	33	4.1	131570
1996	3	19	16	32	54.0	39.85	76.76	13	4.1	131585
1996	3	19	18	8	57.0	40.00	77.00	10	0.0	131587
1996	3	20	7	48	20.5	40.20	77.00	10	0.0	131594
1996	3	20	11	31	10.0	40.20	76.48	10	0.0	131596
1996	3	20	12	51	5.6	30.10	88.47	23	4.0	131597
1996	3	20	18	38	38.2	25.80	102.30	10	0.0	131599
1996	3	21	6	4	15.7	30.19	87.93	33	4.0	131601
1996	3	21	15	9	16.4	39.94	77.12	20	4.0	131602
1996	3	23	20	49	29.5	35.76	78.65	33	3.6	131620
1996	3	24	21	34	58.7	40.00	77.00	10	0.0	131627
1996	3	26	8	30	25.3	30.65	79.10	47	4.8	131632
1996	3	26	12	35	25.2	40.00	77.00	10	0.0	131633
1996	3	27	6	18	10.6	47.40	121.30	10	0.0	131637
1996	3	27	7	2	9.1	47.30	121.30	10	0.0	131638
1996	3	28	17	4	17.0	40.40	77.00	10	0.0	131655
1996	3	29	16	35	2.0	38.05	72.95	125	4.1	131666
1996	3	29	19	3	20.4	40.20	77.00	10	0.0	131667
1996	3	31	20	9	12.0	30.06	88.32	33	3.9	131680
1996	4	2	2	28	26.6	40.30	77.40	15	0.0	131688
1996	4	6	16	8	10.5	30.00	96.42	33	3.9	131722
1996	4	7	13	55	18.6	29.77	96.46	15	0.0	131730
1996	4	8	14	8	58.6	39.70	118.40	15	0.0	131741
1996	4	9	10	10	14.1	39.70	118.80	15	0.0	131748
1996	4	24	7	16	21.8	29.40	105.40	15	0.0	131831
1996	4	25	0	0	0.7	45.50	129.60	15	0.0	131839
1996	4	26	11	26	45.8	29.40	105.40	15	0.0	131852
1996	4	27	1	1	50.3	40.01	77.01	25	4.3	131858
1996	5	10	9	12	42.9	40.70	109.60	15	0.0	131946
1996	5	14	12	45	30.2	41.54	75.04	15	4.6	131975
1996	5	17	12	22	14.9	22.00	99.10	15	0.0	131984

1996	5	21	0	35	44.4	29.22	92.00	15	4.1	131999
1996	5	23	21	15	30.0	29.50	105.50	15	0.0	132008
1996	5	30	5	57	48.6	35.90	100.40	15	0.0	132031
1996	6	1	16	47	46.8	37.20	102.70	10	0.0	132051
1996	6	1	18	3	50.5	41.44	76.02	23	4.3	132053
1996	6	3	5	13	57.3	39.00	92.88	10	0.0	132065
1996	6	3	5	26	11.7	39.20	92.30	10	0.0	132066
1996	6	3	6	55	44.3	39.01	92.90	10	0.0	132067
1996	6	17	7	25	3.2	36.00	100.30	10	0.0	132170
1996	6	25	21	21	1.7	39.90	77.08	71	4.1	132218
1996	7	4	3	38	23.7	30.07	88.22	33	4.3	132266
1996	7	5	13	9	56.2	30.06	88.08	25	4.2	132272
1996	7	5	23	55	32.5	30.20	88.50	30	0.0	132274
1996	7	11	6	39	59.7	45.50	129.70	10	0.0	132300
1996	7	13	13	19	44.2	30.11	88.21	33	4.1	132315
1996	7	23	15	4	6.3	40.40	77.40	33	0.0	132370
1996	7	25	6	8	45.3	24.90	99.00	10	0.0	132382
1996	7	25	13	43	4.1	24.80	99.00	10	0.0	132385
1996	7	25	19	29	30.4	24.80	99.00	33	0.0	132386
1996	7	29	1	48	57.8	41.82	88.42	10	4.9	132405
1996	7	30	4	32	40.8	43.80	121.10	10	0.0	132411
1996	8	13	18	8	6.7	37.30	102.80	10	0.0	132509
1996	8	14	23	38	21.6	37.46	75.17	28	4.5	132516
1996	8	15	4	19	50.2	37.65	75.45	15	4.4	132518
1996	8	19	19	19	27.6	26.35	100.68	17	0.0	132538
1996	8	20	15	50	57.3	26.28	100.58	15	0.0	132546
1996	8	23	5	39	50.8	25.65	99.92	16	0.0	132570
1996	8	23	23	2	33.7	25.40	100.05	15	0.0	132577
1996	8	28	23	15	40.3	26.27	100.59	15	0.0	132608
1996	8	31	10	21	54.4	42.05	120.30	15	0.0	132619
1996	9	1	4	30	10.4	39.66	75.22	25	4.2	132625

1996	9	11	1	5	27.3	37.20	102.80	15	0.0	132724
1996	9	11	5	31	4.6	29.50	108.60	10	0.0	132727
1996	9	15	21	32	36.8	39.10	73.76	25	4.1	132763
1996	9	22	23	34	2.0	40.10	112.40	15	0.0	132849
1996	9	24	21	2	49.0	27.04	100.22	33	4.7	132863
1996	9	25	12	41	53.4	28.85	99.19	33	5.0	132873
1996	9	26	7	6	52.6	39.74	76.81	20	3.8	132879
1996	10	20	16	17	58.0	42.20	120.40	15	0.0	133059
1996	10	23	8	9	10.7	43.78	121.35	10	0.0	133071
1996	10	31	5	8	33.8	40.30	112.10	10	0.0	133115
1996	11	8	22	4	28.7	40.20	112.30	10	0.0	133197
1996	11	9	16	59	14.5	31.90	123.20	10	0.0	133207
1996	11	18	7	51	49.4	31.70	123.40	10	0.0	133278
1996	11	19	2	46	5.7	30.60	102.90	22	0.0	133285
1996	11	23	1	59	45.2	38.38	76.36	33	5.0	133330
1996	11	23	5	7	21.9	38.50	76.60	24	0.0	133332
1996	11	28	23	11	57.5	41.70	120.40	25	0.0	133370
1996	12	1	13	3	30.6	35.90	78.60	25	0.0	133384
1996	12	1	15	34	52.1	35.20	78.30	10	0.0	133386
1996	12	19	9	52	49.7	36.30	101.00	10	0.0	133505
1996	12	20	23	11	45.5	29.50	105.50	10	0.0	133516
1996	12	23	10	3	30.9	41.70	120.30	10	0.0	133541
1996	12	27	0	15	30.0	40.40	116.40	10	0.0	133557
1996	12	27	23	40	34.3	40.00	116.30	7	0.0	133564
1997	1	1	8	1	10.7	40.20	112.20	15	0.0	133586
1997	1	3	5	32	12.4	35.52	78.00	2	0.0	133603
1997	1	3	8	30	49.9	40.40	116.40	15	0.0	133604
1997	1	3	12	41	49.6	35.30	78.60	15	0.0	133605
1997	1	3	13	58	30.6	35.40	78.50	15	0.0	133607
1997	1	5	8	26	22.1	36.30	101.00	15	0.0	133622
1997	1	7	18	13	33.7	23.90	104.20	15	0.0	133639

1997	1	8	19	56	7.2	30.00	88.40	15	0.0	133645
1997	1	9	9	42	54.6	24.00	104.00	15	0.0	133652
1997	1	13	16	8	32.0	23.90	104.00	15	0.0	133672
1997	1	15	22	1	29.6	22.00	99.99	25	0.0	133684
1997	1	16	23	25	25.9	22.80	99.60	15	0.0	133691
1997	1	20	21	32	23.8	37.50	102.30	15	0.0	133720
1997	1	21	2	41	58.6	39.80	77.50	30	0.0	133724
1997	1	22	2	29	14.7	39.60	77.00	15	0.0	133731
1997	1	22	9	59	4.2	39.80	76.90	15	0.0	133735
1997	1	22	17	42	47.9	39.50	76.90	15	0.0	133737
1997	1	23	1	44	35.7	39.60	76.90	25	0.0	133744
1997	1	26	21	5	6.0	40.70	109.60	25	0.0	133772
1997	1	26	21	11	34.7	37.80	115.30	15	0.0	133773
1997	1	27	3	57	7.9	40.70	109.60	15	0.0	133776
1997	1	29	18	27	43.3	39.60	76.90	15	0.0	133790
1997	2	4	1	54	50.4	39.50	76.90	30	0.0	133822
1997	2	4	6	35	15.7	39.62	77.10	33	3.7	133824
1997	2	5	12	30	53.8	35.70	80.40	15	0.0	133833
1997	2	6	10	21	16.1	29.40	105.40	15	0.0	133839
1997	2	9	22	38	43.2	35.80	80.30	15	0.0	133857
1997	2	15	22	33	39.9	39.60	77.00	15	0.0	133899
1997	2	20	5	25	7.2	39.60	77.00	29	0.0	133921
1997	2	21	14	29	15.2	39.49	77.35	59	4.3	133927
1997	2	24	3	0	11.3	39.50	76.90	23	0.0	133939
1997	2	24	18	43	6.3	29.36	105.57	33	4.5	133942
1997	2	25	19	40	29.2	39.64	76.51	15	3.7	133946
1997	2	26	15	9	10.7	39.60	76.97	33	4.4	133950
1997	3	1	6	22	51.1	39.15	76.99	20	0.0	133967
1997	3	1	9	35	11.2	39.67	76.65	23	4.4	133968
1997	3	1	9	40	31.5	39.60	77.00	10	0.0	133969
1997	3	1	17	52	7.0	39.34	76.79	23	4.4	133972

1997	3	1	19	19	43.6	39.60	77.00	10	0.0	133973
1997	3	1	22	47	6.6	39.30	77.00	10	0.0	133975
1997	3	5	21	24	56.0	39.50	77.00	10	0.0	134011
1997	3	10	13	24	6.5	39.60	77.10	20	3.9	134037
1997	3	14	18	21	23.7	39.70	77.00	10	0.0	134060
1997	3	15	5	0	27.5	39.60	77.00	10	0.0	134065
1997	3	19	0	9	9.6	39.60	118.40	10	0.0	134089
1997	3	22	21	14	36.9	30.20	88.30	15	0.0	134103
1997	3	24	14	35	55.4	35.38	78.30	23	4.6	134121
1997	3	27	17	48	37.2	35.30	78.60	10	0.0	134153
1997	3	28	17	49	31.4	31.70	123.40	10	0.0	134161
1997	3	31	17	29	22.9	39.45	76.87	15	0.0	134181
1997	4	2	22	49	43.6	39.40	76.90	21	0.0	134201
1997	4	2	23	40	53.9	39.40	77.00	18	0.0	134205
1997	4	4	1	3	32.3	39.65	76.32	10	3.8	134212
1997	4	6	0	6	30.6	39.40	76.77	18	4.4	134229
1997	4	6	1	21	20.0	39.50	77.00	15	0.0	134231
1997	4	6	2	20	28.9	39.40	76.72	18	4.5	134232
1997	4	6	2	33	39.8	39.60	77.00	28	0.0	134233
1997	4	6	4	34	6.8	39.50	77.00	19	0.0	134234
1997	4	6	5	9	30.0	39.28	76.69	30	4.4	134236
1997	4	6	5	35	50.5	39.60	77.10	19	0.0	134238
1997	4	6	11	1	57.5	39.46	76.80	29	4.5	134245
1997	4	6	14	41	8.1	39.60	77.00	21	0.0	134251
1997	4	6	23	26	23.2	39.60	77.00	15	0.0	134263
1997	4	7	4	43	21.9	39.60	77.10	15	0.0	134266
1997	4	7	8	28	33.9	39.59	76.87	19	4.2	134268
1997	4	7	21	22	54.5	39.40	76.73	24	4.3	134273
1997	4	8	1	29	4.3	39.50	76.90	20	0.0	134276
1997	4	8	3	34	19.5	39.56	76.93	21	4.3	134278
1997	4	8	12	29	31.2	39.60	77.10	20	0.0	134284

1997	4	8	20	8	44.6	39.50	76.90	21	0.0	134292
1997	4	8	20	22	36.5	39.50	77.00	23	0.0	134293
1997	4	9	4	2	43.9	39.51	76.84	17	4.5	134297
1997	4	10	2	58	35.0	39.40	76.80	18	4.5	134302
1997	4	10	5	39	22.0	39.50	76.90	21	0.0	134304
1997	4	10	21	7	44.7	39.60	77.00	18	0.0	134307
1997	4	10	22	17	45.5	39.50	77.00	23	0.0	134308
1997	4	11	3	33	50.1	39.45	76.74	25	4.4	134311
1997	4	11	9	5	17.5	39.64	76.87	21	4.3	134323
1997	4	11	12	42	16.8	39.60	77.10	18	0.0	134333
1997	4	11	20	48	47.0	39.51	76.37	22	3.7	134337
1997	4	11	21	37	19.0	39.60	77.00	19	0.0	134338
1997	4	11	22	21	40.6	39.50	77.00	13	0.0	134339
1997	4	13	3	4	38.2	39.50	77.00	23	0.0	134351
1997	4	13	19	35	53.0	39.50	77.00	19	0.0	134358
1997	4	14	0	2	14.4	39.53	76.94	23	4.5	134362
1997	4	15	18	2	19.6	39.49	77.03	15	4.2	134378
1997	4	15	18	51	27.8	39.67	77.29	33	4.3	134380
1997	4	15	21	3	50.3	39.60	77.00	21	0.0	134385
1997	4	16	0	17	29.4	39.70	76.35	13	3.9	134388
1997	4	17	9	22	57.2	39.40	77.20	13	0.0	134400
1997	4	17	16	0	48.1	39.30	77.20	15	0.0	134401
1997	4	19	8	32	35.0	32.86	94.23	26	4.4	134410
1997	4	20	20	24	28.7	39.60	77.10	20	0.0	134420
1997	4	21	18	2	30.7	39.50	76.90	20	0.0	134448
1997	4	22	3	45	46.3	39.50	77.00	14	0.0	134455
1997	4	22	11	43	55.4	23.11	105.06	23	3.6	134463
1997	4	22	15	1	58.7	23.10	105.20	25	0.0	134467
1997	4	22	16	33	54.5	31.70	123.40	15	0.0	134468
1997	4	28	3	0	4.0	39.50	77.00	20	0.0	134520
1997	4	30	21	58	53.7	39.40	76.80	21	0.0	134534

1997	5	2	12	20	1.0	39.29	76.55	30	3.6	134549
1997	5	6	6	39	3.1	39.43	76.83	30	0.0	134575
1997	5	12	0	26	55.6	39.48	76.93	20	0.0	134613
1997	5	12	2	13	23.5	39.43	76.95	25	0.0	134614
1997	5	12	2	58	31.7	39.42	76.95	25	0.0	134615
1997	5	12	6	32	0.0	39.48	76.97	19	0.0	134618
1997	5	12	7	18	39.5	39.37	76.97	25	0.0	134619
1997	5	12	9	56	49.0	39.38	76.95	20	0.0	134620
1997	5	13	2	19	27.2	39.43	76.87	25	0.0	134629
1997	5	14	2	22	23.8	39.52	76.95	20	0.0	134635
1997	5	14	8	23	15.8	39.55	76.97	33	0.0	134636
1997	5	16	0	11	52.2	41.83	83.90	26	0.0	134647
1997	5	16	16	34	53.4	39.60	77.00	25	0.0	134655
1997	5	16	23	38	24.5	41.88	83.93	15	0.0	134658
1997	5	17	6	28	9.3	39.50	76.95	25	0.0	134665
1997	5	17	19	46	40.0	39.42	76.97	18	0.0	134667
1997	5	18	3	34	6.3	43.37	88.78	33	0.0	134669
1997	5	18	12	2	30.1	43.40	88.78	20	0.0	134672
1997	5	22	0	46	11.3	39.70	76.47	15	3.8	134703
1997	5	23	9	48	50.3	39.47	76.95	20	0.0	134710
1997	5	23	17	12	36.4	42.27	127.08	15	0.0	134712
1997	5	24	10	11	29.6	39.48	76.97	20	0.0	134719
1997	5	24	12	46	51.2	39.50	76.92	30	0.0	134720
1997	5	25	18	44	59.7	39.42	76.95	19	0.0	134725
1997	5	27	4	46	11.7	39.50	76.92	21	0.0	134732
1997	5	27	5	8	27.3	39.48	76.93	19	0.0	134733
1997	5	27	10	16	5.5	39.52	76.98	19	0.0	134738
1997	5	27	12	55	19.9	39.50	76.92	25	0.0	134739
1997	5	28	5	28	11.6	39.77	118.40	15	0.0	134745
1997	5	29	18	29	16.4	39.68	76.98	25	4.8	134754
1997	6	5	16	14	57.1	33.00	94.40	15	0.0	134808

1997	6	6	0	11	40.3	39.50	76.90	15	0.0	134811
1997	6	6	2	5	8.0	39.50	76.90	15	0.0	134813
1997	6	6	16	58	7.5	42.30	127.00	15	0.0	134818
1997	6	6	22	46	31.0	39.50	77.00	30	0.0	134822
1997	6	8	22	16	10.4	38.98	77.24	1	3.6	134832
1997	6	17	8	25	44.7	29.40	105.50	12	0.0	134888
1997	6	18	15	1	55.1	39.91	76.73	26	4.2	134900
1997	6	22	5	21	18.8	33.80	82.72	30	0.0	134925
1997	6	22	8	14	24.6	30.22	96.52	10	0.0	134927
1997	6	24	1	55	20.0	30.27	96.81	33	4.7	134939
1997	6	24	10	6	39.7	39.50	76.90	15	0.0	134945
1997	6	25	12	49	26.7	39.60	77.00	15	0.0	134955
1997	6	26	1	32	5.7	30.25	96.75	33	4.5	134959
1997	6	27	23	7	20.3	28.40	104.90	25	4.5	134975
1997	6	28	2	23	52.4	33.94	82.60	25	4.5	134977
1997	6	29	15	19	4.1	25.35	99.29	32	0.0	134984
1997	6	29	16	36	14.8	24.90	99.30	15	0.0	134985
1997	6	30	4	40	40.1	40.00	76.80	20	0.0	134989
1997	7	1	2	4	54.4	25.60	117.20	15	0.0	134996
1997	7	2	17	57	36.2	38.40	90.10	33	0.0	135004
1997	7	2	18	15	17.9	38.40	90.20	25	0.0	135005
1997	7	2	21	42	57.3	24.90	99.30	15	0.0	135009
1997	7	4	12	44	57.0	30.38	96.88	33	4.0	135015
1997	7	8	21	16	49.8	29.83	88.31	33	3.7	135047
1997	7	9	7	18	52.9	29.90	88.40	15	4.1	135049
1997	7	12	23	41	4.5	29.90	88.50	15	0.0	135079
1997	7	13	15	36	59.9	30.20	88.80	15	0.0	135085
1997	7	13	19	39	19.0	36.92	95.38	15	4.6	135087
1997	7	14	9	43	43.0	36.94	95.32	14	4.8	135088
1997	7	15	4	39	23.0	36.90	95.26	14	4.8	135093
1997	7	15	17	23	9.6	29.40	105.40	15	0.0	135096

1997	7	20	9	44	26.8	35.60	115.30	15	0.0	135110
1997	8	9	9	21	11.3	31.20	111.60	15	0.0	135218
1997	8	10	2	19	47.1	31.06	111.70	15	0.0	135223
1997	8	10	3	29	28.2	31.20	111.70	15	0.0	135224
1997	8	10	3	39	47.5	31.09	111.34	15	0.0	135225
1997	8	10	14	10	24.8	30.82	111.31	15	0.0	135229
1997	8	11	0	52	33.3	23.80	114.60	15	0.0	135232
1997	8	11	6	47	40.2	30.40	97.00	15	0.0	135239
1997	8	12	21	42	3.0	31.60	111.70	15	0.0	135244
1997	8	15	16	29	33.5	37.90	115.30	15	0.0	135263
1997	8	23	22	40	16.2	45.80	116.80	15	0.0	135308
1997	8	30	22	32	14.2	39.50	76.90	15	0.0	135354
1997	8	31	20	2	54.3	45.50	117.00	15	0.0	135357
1997	9	8	22	59	58.5	40.44	112.86	10	3.9	135404
1997	9	19	15	8	43.9	39.60	77.00	27	0.0	135463
1997	9	20	10	41	51.4	40.18	113.07	15	0.0	135467
1997	9	21	18	5	38.4	39.50	77.00	20	0.0	135476
1997	9	23	3	19	57.8	23.30	112.90	5	0.0	135486
1997	9	26	5	26	52.4	23.19	112.87	13	4.2	135500
1997	10	2	21	30	22.5	23.80	114.60	10	0.0	135531
1997	10	4	16	32	46.4	22.60	99.90	10	0.0	135549
1997	10	5	4	40	7.8	36.99	95.39	15	4.2	135553
1997	10	8	19	23	53.7	28.30	104.70	29	0.0	135583
1997	10	12	4	53	23.0	39.50	77.00	25	0.0	135607
1997	10	13	2	52	1.7	22.50	100.00	10	0.0	135616
1997	10	14	3	24	4.6	36.00	81.00	10	0.0	135620
1997	10	14	11	43	27.9	35.90	80.90	20	0.0	135623
1997	10	14	18	58	21.9	27.00	100.30	10	0.0	135628
1997	10	14	23	35	2.8	27.00	100.30	15	0.0	135630
1997	10	16	22	35	12.6	26.90	100.30	15	0.0	135646
1997	10	18	3	29	0.6	39.50	76.90	29	0.0	135661

1997	10	18	18	46	17.3	39.40	77.00	30	0.0	135665
1997	10	19	11	52	25.2	29.00	99.30	15	0.0	135669
1997	10	23	5	36	51.5	39.50	76.90	29	0.0	135690
1997	10	29	10	44	47.6	39.60	77.10	27	0.0	135727
1997	10	31	10	53	8.6	39.70	77.10	25	0.0	135738
1997	10	31	19	44	35.9	40.60	112.60	10	0.0	135743
1997	11	2	5	49	50.2	40.60	112.50	15	0.0	135750
1997	11	2	9	57	35.2	40.60	112.60	15	0.0	135751
1997	11	24	15	16	37.3	22.20	112.70	15	0.0	135948
1997	11	27	1	29	50.8	22.10	112.70	15	0.0	135967
1997	11	28	17	30	38.7	22.20	112.70	15	0.0	135981
1997	11	29	21	59	33.2	33.98	89.88	15	0.0	135993
1997	12	1	2	4	9.4	36.90	95.30	20	0.0	136000
1997	12	2	9	29	30.9	39.90	113.90	15	0.0	136009
1997	12	2	15	16	39.5	33.90	90.60	26	0.0	136011
1997	12	2	20	29	1.4	22.20	112.70	10	0.0	136012
1997	12	3	20	49	5.1	32.00	123.30	15	0.0	136021
1997	12	5	20	47	4.0	36.10	80.90	23	0.0	136058
1997	12	9	2	46	51.7	39.90	113.90	10	0.0	136109
1997	12	9	3	40	1.5	39.90	113.90	15	0.0	136111
1997	12	9	3	45	9.8	39.90	113.90	15	0.0	136112
1997	12	21	10	14	44.2	31.90	123.20	15	0.0	136208
1997	12	25	0	18	39.2	39.60	77.20	24	0.0	136239
1998	1	6	9	45	34.0	25.70	100.30	25	0.0	136341
1998	1	6	13	38	25.0	36.20	106.00	15	0.0	136343
1998	1	9	6	23	1.8	25.00	100.40	15	0.0	136381
1998	1	10	4	33	44.0	41.10	114.50	15	0.0	136395
1998	1	10	5	54	38.0	41.10	114.50	15	0.0	136402
1998	1	10	5	58	41.4	41.10	114.50	15	0.0	136403
1998	1	10	6	14	24.0	41.10	114.50	15	0.0	136405
1998	1	10	15	33	13.5	41.10	114.50	15	0.0	136428

1998	1	10	16	28	25.0	41.10	114.50	15	0.0	136433
1998	1	10	17	25	6.0	41.10	114.50	15	0.0	136436
1998	1	10	18	37	55.3	41.00	114.60	15	0.0	136437
1998	1	11	3	31	39.0	41.10	114.50	15	0.0	136442
1998	1	13	12	5	0.6	35.30	78.60	33	4.7	136499
1998	1	13	12	39	30.4	35.20	78.40	33	3.6	136502
1998	1	14	18	57	53.0	41.10	114.50	15	0.0	136528
1998	1	17	2	41	14.6	41.10	114.40	10	0.0	136560
1998	1	17	20	7	31.7	41.10	114.68	10	0.0	136572
1998	1	17	22	17	54.4	40.90	114.80	10	0.0	136574
1998	1	21	6	11	56.0	24.20	97.30	60	0.0	136628
1998	1	21	22	27	33.0	41.10	114.20	10	0.0	136633
1998	1	22	4	11	59.0	41.40	115.40	23	3.6	136638
1998	1	25	1	14	10.2	41.00	114.20	9	0.0	136674
1998	1	26	23	29	3.1	41.10	114.50	15	0.0	136690
1998	1	27	17	41	44.7	41.10	114.50	15	0.0	136704
1998	2	1	10	19	26.7	41.10	114.50	15	0.0	136769
1998	2	2	4	37	59.2	39.30	77.00	33	0.0	136778
1998	2	5	8	6	4.0	41.10	114.50	15	0.0	136807
1998	2	12	17	26	33.2	37.20	70.00	33	4.3	136914
1998	2	12	23	5	1.1	41.20	114.50	15	0.0	136923
1998	2	13	2	4	12.0	41.50	115.50	15	0.0	136926
1998	2	19	11	14	15.6	36.90	69.80	100	3.7	137006
1998	2	26	21	27	5.5	39.30	77.10	33	0.0	137107
1998	3	2	16	6	51.9	40.00	116.90	25	0.0	137154
1998	3	3	2	23	32.6	41.00	78.60	33	0.0	137158
1998	3	3	3	0	17.9	41.00	78.50	33	0.0	137161
1998	3	6	14	41	25.6	40.00	76.60	18	4.0	137200
1998	3	9	3	27	14.5	39.80	76.80	15	0.0	137228
1998	3	15	14	5	48.1	39.50	116.60	30	0.0	137302
1998	3	15	18	34	19.3	25.80	100.30	30	0.0	137304

1998	3	15	18	41	25.2	25.80	100.30	15	0.0	137305
1998	3	22	19	53	25.7	41.00	110.00	10	0.0	137380
1998	3	22	20	37	8.3	41.00	108.76	10	0.0	137382
1998	3	25	16	36	42.8	31.80	100.60	20	4.7	137425
1998	3	25	17	5	36.3	32.10	100.90	33	4.6	137426
1998	3	30	21	40	34.9	40.40	113.30	15	0.0	137488
1998	4	4	21	18	16.3	39.90	76.60	25	4.1	137540
1998	4	10	23	38	25.0	36.50	105.80	15	0.0	137621
1998	4	15	18	36	40.8	25.30	96.70	23	3.8	137696
1998	4	15	18	46	18.5	25.20	96.60	25	4.0	137697
1998	4	16	3	13	28.4	25.00	107.90	15	4.6	137704
1998	4	16	9	54	21.2	25.10	107.90	15	0.0	137707
1998	4	16	18	4	45.8	25.10	107.80	15	4.3	137712
1998	4	19	3	20	42.9	39.50	77.40	20	4.3	137737
1998	5	5	0	20	22.6	43.70	116.70	15	0.0	137944
1998	5	6	7	1	24.9	43.70	116.70	10	0.0	137962
1998	5	6	15	38	48.6	24.50	97.70	10	0.0	137965
1998	5	6	15	40	45.7	24.50	97.60	33	3.8	137966
1998	5	10	7	1	47.0	39.90	114.00	15	0.0	138021
1998	5	16	1	35	35.2	24.00	98.00	30	0.0	138102
1998	5	26	15	21	11.4	24.90	99.30	15	0.0	138244
1998	5	31	10	14	14.2	37.30	70.10	15	3.8	138347
1998	5	31	11	4	22.2	37.20	70.00	15	4.1	138348
1998	6	2	1	32	6.6	41.10	114.50	10	4.8	138374
1998	6	2	2	47	33.5	41.20	114.60	30	4.5	138377
1998	6	5	19	24	43.9	41.30	114.50	15	0.0	138416
1998	6	6	7	6	7.0	41.00	115.00	18	0.0	138429
1998	6	7	8	56	8.6	36.90	70.60	15	4.4	138443
1998	6	10	8	58	33.0	41.00	114.50	18	0.0	138483
1998	6	13	22	49	35.2	39.60	76.90	25	0.0	138527
1998	6	14	0	6	50.2	37.90	69.70	33	0.0	138529

1998	6	15	7	21	35.8	39.50	77.00	23	0.0	138547
1998	6	15	21	11	45.2	37.40	70.20	33	0.0	138554
1998	6	19	1	50	33.7	39.70	76.70	25	3.8	138585
1998	6	19	4	40	3.1	40.00	116.50	20	0.0	138590
1998	6	19	5	18	4.0	37.20	69.90	20	4.5	138592
1998	6	19	19	43	39.9	37.20	70.20	74	3.7	138601
1998	6	24	1	32	24.0	39.80	116.70	10	0.0	138659
1998	6	25	7	39	7.4	36.60	82.50	10	0.0	138678
1998	6	26	11	3	48.3	37.40	70.40	100	4.2	138692
1998	6	26	17	34	21.5	37.50	83.00	15	0.0	138697
1998	6	30	14	20	23.3	27.20	103.50	33	4.1	138755
1998	7	6	9	28	29.0	39.55	75.72	10	0.0	138832
1998	7	7	0	0	11.5	37.88	70.80	33	0.0	138842
1998	7	11	11	4	44.4	34.80	110.40	20	4.4	138906
1998	7	11	12	24	56.8	35.00	110.50	15	0.0	138907
1998	7	14	10	16	15.7	41.20	114.40	15	0.0	138945
1998	7	14	15	51	2.0	41.30	114.50	15	0.0	138952
1998	7	17	6	33	57.6	25.90	102.60	25	4.1	138994
1998	7	17	15	48	31.3	37.70	70.30	25	3.9	139019
1998	7	18	6	21	17.0	35.30	78.40	33	4.8	139040
1998	7	19	16	56	46.1	35.50	78.30	33	4.8	139067
1998	7	19	17	19	18.4	35.50	78.40	33	3.8	139069
1998	7	20	12	31	27.6	30.30	87.90	33	4.2	139084
1998	7	20	12	31	54.9	30.40	87.90	25	4.3	139085
1998	7	24	21	46	54.9	27.20	103.30	50	4.3	139145
1998	7	27	3	17	48.8	41.10	113.90	33	0.0	139175
1998	7	30	17	1	5.9	36.90	72.40	15	3.7	139227
1998	7	31	4	31	7.3	36.90	95.30	33	4.6	139233
1998	8	1	14	27	52.5	41.20	114.50	15	0.0	139251
1998	8	2	4	40	46.4	39.60	77.00	69	5.6	139258
1998	8	2	5	48	41.5	39.80	77.10	25	4.4	139259

1998	8	2	6	42	30.0	39.60	77.00	33	0.0	139260
1998	8	2	7	15	39.1	39.60	77.00	33	0.0	139261
1998	8	2	13	36	5.7	39.60	77.00	33	0.0	139266
1998	8	2	17	44	54.0	39.60	77.00	33	0.0	139270
1998	8	2	19	20	20.2	39.60	77.00	30	0.0	139272
1998	8	3	2	16	1.1	39.60	77.00	30	0.0	139276
1998	8	3	18	31	9.5	39.60	77.00	33	0.0	139288
1998	8	4	21	38	50.6	41.10	81.20	25	0.0	139304
1998	8	5	13	46	37.6	41.50	81.60	33	4.1	139314
1998	8	5	15	56	43.4	39.70	77.10	33	4.5	139316
1998	8	6	3	25	25.5	39.60	77.00	33	0.0	139318
1998	8	7	13	6	41.0	39.60	77.20	33	4.1	139340
1998	8	9	13	50	36.6	27.00	103.20	15	0.0	139366
1998	8	11	7	34	50.6	41.10	81.50	33	4.9	139393
1998	8	12	21	1	51.2	39.60	76.90	20	0.0	139406
1998	8	16	10	54	8.2	41.20	81.60	10	0.0	139451
1998	8	17	18	17	37.1	43.10	82.50	8	4.4	139472
1998	8	17	18	40	11.6	43.10	83.00	15	0.0	139473
1998	8	20	21	29	34.7	30.10	88.20	33	0.0	139530
1998	8	23	5	12	8.8	30.00	88.10	10	0.0	139565
1998	8	27	8	38	58.2	39.70	77.00	15	4.6	139630
1998	8	27	8	53	11.5	39.70	76.90	25	4.2	139631
1998	8	27	9	54	44.5	40.10	77.40	25	0.0	139637
1998	8	27	14	30	9.9	39.20	77.60	33	4.4	139646
1998	8	27	18	4	13.0	40.10	77.40	25	0.0	139648
1998	8	28	0	57	30.1	39.40	76.90	33	4.5	139652
1998	8	28	2	7	49.0	40.10	77.40	25	0.0	139653
1998	8	30	9	3	24.1	27.60	101.60	15	0.0	139688
1998	8	30	16	7	51.7	37.30	69.60	163	4.1	139692
1998	8	30	16	55	54.4	37.30	69.60	186	3.2	139694
1998	8	30	22	12	56.9	24.70	99.40	25	4.0	139697

1998	8	30	23	2	21.0	24.60	99.50	33	3.8	139700
1998	8	31	0	9	47.2	27.80	101.10	15	0.0	139701
1998	9	1	0	57	43.2	39.60	77.30	33	0.0	139719
1998	9	1	22	42	27.0	40.00	77.70	33	0.0	139733
1998	9	2	3	43	20.3	40.10	77.40	25	0.0	139735
1998	9	3	0	5	29.2	39.80	77.20	15	0.0	139748
1998	9	3	0	15	50.6	39.50	77.40	15	0.0	139749
1998	9	3	2	27	16.2	39.80	77.20	15	0.0	139751
1998	9	3	3	12	30.9	40.10	77.40	15	0.0	139752
1998	9	6	4	34	34.7	40.10	77.40	25	0.0	139800
1998	9	8	9	58	3.3	39.70	77.00	15	3.9	139834
1998	9	11	18	34	11.0	39.60	77.30	33	0.0	139885
1998	9	12	21	18	50.1	24.60	100.20	15	0.0	139900
1998	9	13	9	53	8.7	24.60	100.20	15	0.0	139907
1998	9	13	10	26	23.2	39.60	77.00	33	0.0	139908
1998	9	13	12	34	20.6	27.60	101.10	33	0.0	139911
1998	9	13	12	47	26.2	27.10	101.10	15	4.2	139912
1998	9	14	12	44	14.8	24.60	100.20	25	0.0	139924
1998	9	16	10	41	42.8	39.60	77.00	20	0.0	139963
1998	9	18	2	51	30.6	41.00	78.40	35	4.8	139987
1998	9	18	3	53	16.6	41.00	78.50	33	4.8	139989
1998	9	18	11	19	21.1	40.90	78.40	54	4.5	139995
1998	9	19	8	49	41.0	37.00	114.90	15	0.0	140004
1998	9	19	10	57	7.0	39.60	77.00	20	0.0	140006
1998	9	19	18	5	57.0	37.40	114.90	15	0.0	140011
1998	9	22	10	52	18.5	41.30	114.50	15	0.0	140057
1998	9	22	13	45	8.5	39.20	77.10	15	0.0	140058
1998	9	22	14	44	38.2	39.60	77.20	15	0.0	140061
1998	9	22	18	52	31.0	39.20	77.10	15	0.0	140063
1998	9	22	23	47	6.5	27.30	101.20	15	0.0	140067
1998	9	23	13	29	46.3	41.10	114.60	15	0.0	140075

1998	9	24	4	44	19.7	27.00	101.30	15	0.0	140084
1998	9	24	11	17	42.8	40.20	76.90	10	0.0	140089
1998	9	24	16	41	28.7	37.60	100.20	8	0.0	140091
1998	9	24	17	52	30.4	40.30	77.30	15	0.0	140092
1998	9	29	5	48	32.4	38.50	73.00	100	4.3	140156
1998	9	29	17	48	7.2	41.30	72.00	23	4.7	140165
1998	9	30	9	24	27.0	38.20	101.00	10	0.0	140178
1998	9	30	13	45	42.3	41.00	114.90	10	0.0	140185
1998	9	30	20	5	37.2	41.20	71.60	30	3.8	140187
1998	10	2	17	25	1.9	39.70	77.20	10	0.0	140218
1998	10	3	0	26	2.2	39.20	77.40	10	0.0	140226
1998	10	3	1	33	34.1	39.70	77.20	10	0.0	140227
1998	10	3	8	14	56.9	36.70	71.40	200	3.9	140234
1998	10	3	12	49	6.8	39.70	77.20	10	0.0	140238
1998	10	3	14	11	6.0	39.20	77.10	10	0.0	140240
1998	10	3	16	48	37.1	35.89	71.85	10	0.0	140242
1998	10	5	6	49	5.4	25.90	102.30	10	0.0	140258
1998	10	6	9	30	16.0	39.60	77.00	15	0.0	140274
1998	10	7	1	7	42.7	40.50	113.20	25	0.0	140292
1998	10	8	5	41	8.3	39.00	77.40	10	0.0	140309
1998	10	18	13	26	45.8	39.60	77.20	33	0.0	140442
1998	10	19	0	45	4.6	41.00	78.60	33	0.0	140447
1998	10	19	16	29	46.0	39.50	77.40	33	4.5	140453
1998	10	23	6	25	1.1	27.20	101.00	15	4.0	140491
1998	10	23	6	33	0.0	27.20	101.00	15	0.0	140492
1998	10	23	10	55	6.0	27.20	101.00	15	0.0	140496
1998	10	25	3	55	37.7	39.90	76.90	25	0.0	140512
1998	10	27	12	48	35.7	27.30	101.50	15	0.0	140543
1998	10	28	5	10	16.7	39.50	77.40	33	0.0	140551
1998	10	28	6	20	10.7	39.40	77.30	15	0.0	140552
1998	11	1	16	32	56.3	37.50	70.30	10	3.9	140606

1998	11	1	16	58	7.5	40.10	113.00	15	0.0	140607
1998	11	4	5	10	30.0	39.90	77.20	10	0.0	140643
1998	11	6	14	58	59.0	37.10	71.10	86	4.0	140674
1998	11	8	14	7	26.0	39.00	70.10	33	4.2	140698
1998	11	9	0	50	25.5	39.60	76.90	20	0.0	140707
1998	11	9	3	47	24.7	38.90	70.20	39	4.7	140711
1998	11	15	9	16	58.9	39.80	76.80	23	4.0	140818
1998	11	18	4	8	1.8	36.20	71.40	150	4.0	140857
1998	11	19	12	41	57.7	30.60	79.40	25	3.9	140878
1998	11	19	12	43	35.3	27.30	100.90	15	0.0	140879
1998	11	19	16	34	16.3	30.40	79.20	33	4.5	140886
1998	11	20	9	26	39.7	27.30	100.90	33	0.0	140897
1998	11	26	1	44	11.9	25.60	100.10	15	4.3	140973
1998	11	30	4	52	47.0	39.70	73.50	20	0.0	141042
1998	11	30	11	11	46.4	39.70	73.50	33	3.7	141045
1998	12	2	9	12	42.2	25.70	100.20	23	4.6	141078
1998	12	6	13	41	24.3	27.50	101.90	10	0.0	141138
1998	12	8	7	54	17.8	27.50	101.90	10	0.0	141160
1998	12	9	2	24	58.5	39.40	71.70	33	4.5	141170
1998	12	9	15	35	5.5	37.40	70.00	34	4.4	141177
1998	12	9	20	7	15.1	40.40	79.20	10	0.0	141181
1998	12	10	0	31	46.2	36.30	70.80	200	3.8	141184
1998	12	15	17	13	4.4	39.50	77.30	15	0.0	141248
1998	12	16	3	37	30.0	40.10	78.00	10	0.0	141252
1998	12	19	11	10	12.0	24.28	98.95	10	0.0	141301
1998	12	19	20	6	42.6	36.20	69.80	150	4.1	141306
1998	12	21	19	9	6.3	39.40	72.00	65	4.7	141335
1998	12	26	3	55	56.8	36.00	115.30	15	0.0	141385
1998	12	29	14	46	27.0	39.60	77.10	33	0.0	141420
1999	1	5	16	8	24.2	33.30	92.30	15	0.0	141502
1999	1	5	19	9	2.1	33.30	92.30	33	3.8	141505

1999	1	7	11	41	51.1	37.30	70.10	33	4.5	141520
1999	1	7	22	45	5.2	40.20	76.90	33	3.4	141525
1999	1	11	13	42	53.0	27.00	100.90	15	0.0	141557
1999	1	11	14	1	27.1	35.20	77.20	100	3.4	141558
1999	1	11	16	25	0.7	35.30	77.30	72	3.3	141561
1999	1	13	6	38	4.6	39.60	73.90	23	4.6	141580
1999	1	16	3	58	44.5	36.70	111.90	25	0.0	141624
1999	1	17	3	16	53.6	39.70	77.00	15	0.0	141635
1999	1	18	6	54	34.3	39.50	73.40	25	4.0	141651
1999	1	18	7	17	16.2	39.40	73.70	66	4.6	141652
1999	1	20	21	24	50.8	23.50	100.00	10	0.0	141693
1999	1	20	21	36	62.7	23.50	99.50	32	0.0	141694
1999	1	21	1	18	39.9	36.50	76.60	30	4.1	141699
1999	1	21	6	58	22.8	36.40	76.70	23	4.3	141702
1999	1	23	19	10	27.1	39.60	77.00	15	0.0	141729
1999	1	24	16	39	16.6	37.00	112.10	15	0.0	141741
1999	1	24	18	37	2.0	39.60	77.00	15	0.0	141744
1999	1	25	0	1	43.0	39.50	77.20	10	0.0	141748
1999	1	25	5	41	49.6	36.20	76.40	100	3.6	141753
1999	1	25	17	46	47.3	39.80	76.80	23	3.9	141761
1999	1	25	17	49	29.5	39.39	77.13	5	0.0	141762
1999	1	25	18	59	55.8	39.67	77.00	10	0.0	141765
1999	1	25	19	33	42.6	36.50	69.30	100	4.2	141766
1999	1	26	7	14	1.0	36.40	70.70	191	4.2	141772
1999	1	26	15	7	15.9	39.60	77.30	25	0.0	141777
1999	1	27	6	25	1.8	41.60	88.40	33	4.5	141789
1999	1	28	4	4	24.6	35.90	70.50	123	4.0	141800
1999	1	28	10	33	35.2	39.60	77.30	25	0.0	141802
1999	1	29	0	9	0.9	36.30	76.10	100	3.8	141813
1999	1	30	3	51	5.4	41.70	88.50	23	5.9	141827
1999	2	10	8	5	30.2	51.70	104.90	10	4.6	141968

1999	2	10	8	28	43.0	51.80	105.20	10	4.4	141969
1999	2	10	11	18	14.4	51.70	105.00	10	4.5	141973
1999	2	11	13	26	49.2	39.50	76.90	15	0.0	141986
1999	2	14	17	5	55.6	39.50	77.20	25	0.0	142033
1999	2	14	17	20	2.3	39.50	77.20	20	0.0	142034
1999	2	15	21	33	13.0	35.60	88.50	20	3.3	142053
1999	2	20	13	49	7.9	36.00	71.40	30	4.2	142127
1999	2	22	4	44	59.9	36.00	71.20	30	4.0	142148
1999	2	25	5	37	63.3	51.60	104.80	10	4.7	142189
1999	2	25	7	42	58.1	39.30	73.60	5	3.6	142190
1999	2	25	12	13	54.8	36.40	70.80	200	4.2	142197
1999	2	25	22	46	3.9	51.80	104.80	10	4.2	142211
1999	2	26	0	12	26.6	51.70	104.90	10	5.0	142213
1999	2	27	13	3	24.0	39.70	77.10	23	4.0	142229
1999	2	27	14	57	38.5	51.60	105.20	10	4.7	142231
1999	2	28	10	22	14.6	35.70	88.70	18	3.3	142241
1999	3	1	3	33	22.1	36.60	72.80	15	0.0	142248
1999	3	6	0	54	34.7	51.60	104.80	10	4.4	142328
1999	3	6	20	38	56.5	36.90	77.30	15	0.0	142338
1999	3	7	13	40	49.1	39.60	77.00	15	0.0	142349
1999	3	9	10	9	26.1	35.70	88.60	33	4.7	142368
1999	3	11	13	59	23.0	41.10	114.40	16	0.0	142401
1999	3	12	9	46	38.0	36.90	71.50	140	3.4	142416
1999	3	12	14	2	17.0	41.10	114.40	15	0.0	142418
1999	3	12	14	6	54.5	41.10	114.40	15	0.0	142420
1999	3	12	18	0	16.5	41.10	114.40	15	0.0	142424
1999	3	12	20	27	42.2	37.50	72.10	100	4.1	142425
1999	3	12	21	53	17.3	37.40	71.60	105	4.1	142428
1999	3	13	4	51	25.0	40.40	78.50	10	0.0	142432
1999	3	13	19	39	5.8	41.30	114.80	33	0.0	142439
1999	3	17	16	23	27.1	39.40	76.80	33	4.5	142487

1999	3	19	8	23	39.2	39.90	75.50	33	0.0	142511
1999	3	19	8	24	11.7	41.30	114.50	10	0.0	142512
1999	3	21	17	20	24.7	36.30	71.40	113	4.1	142537
1999	3	22	20	10	22.2	36.90	70.00	75	4.5	142555
1999	3	24	14	28	57.0	39.60	76.90	25	0.0	142572
1999	3	25	8	46	25.0	39.60	76.90	13	0.0	142588
1999	3	25	9	3	45.1	39.70	77.00	33	4.1	142589
1999	3	25	9	10	45.9	39.60	77.40	33	3.9	142590
1999	3	25	9	47	45.5	39.60	77.40	33	0.0	142591
1999	3	28	23	4	35.4	30.40	79.50	10	4.4	142633
1999	4	6	4	44	35.0	39.60	76.90	15	0.0	142728
1999	4	6	15	44	7.0	39.60	76.90	15	0.0	142738
1999	4	6	20	46	40.0	30.30	79.30	25	4.6	142744
1999	4	22	18	2	1.8	35.60	77.80	33	4.1	142926
1999	4	23	6	21	58.3	41.20	114.50	15	0.0	142932
1999	4	23	9	46	38.0	39.60	77.20	33	0.0	142934
1999	4	24	21	32	16.2	37.10	71.70	157	3.8	142952
1999	4	25	1	35	20.3	39.70	77.10	33	0.0	142956
1999	4	30	6	28	35.5	37.50	71.90	123	4.4	143013
1999	5	4	18	37	13.0	36.50	71.60	161	0.0	143064
1999	5	15	4	29	5.0	39.70	76.70	10	4.1	143212
1999	5	15	4	51	24.7	39.50	77.00	25	4.6	143214
1999	5	15	6	2	5.2	39.70	77.00	25	4.1	143215
1999	5	15	8	11	18.3	39.60	113.60	10	4.4	143216
1999	5	15	10	34	52.2	39.60	113.40	10	4.7	143219
1999	5	29	6	3	4.0	35.40	77.50	33	4.6	143397
1999	6	7	2	32	43.3	39.70	77.10	15	0.0	143505
1999	6	8	17	16	43.4	49.60	89.50	15	0.0	143524
1999	6	8	21	28	23.8	49.00	89.00	15	0.0	143528
1999	6	9	0	31	1.8	34.60	80.10	33	4.5	143531
1999	6	13	9	9	20.0	34.80	80.10	23	4.3	143588

1999	6	13	20	0	10.0	34.70	109.30	20	0.0	143594
1999	6	13	20	28	38.0	34.50	108.90	20	0.0	143596
1999	6	29	7	16	46.1	38.50	73.20	33	4.0	143785
1999	6	29	10	14	10.5	38.50	72.80	33	4.5	143788
1999	7	17	15	55	53.0	24.60	100.20	33	3.9	143992
1999	7	17	18	2	1.8	24.80	99.70	15	0.0	143993
1999	7	17	18	8	31.0	24.80	99.70	25	0.0	143994
1999	7	21	13	45	0.0	41.80	81.90	17	0.0	144041
1999	8	13	18	36	22.4	48.50	128.60	10	4.6	144264
1999	8	17	10	41	8.8	29.40	105.60	33	4.8	144320
1999	8	18	1	52	52.8	39.50	77.00	33	0.0	144332
1999	8	21	7	55	34.0	48.00	128.70	15	0.0	144376
1999	8	21	11	24	7.0	48.00	128.70	15	0.0	144378
1999	8	21	21	3	59.7	37.70	70.20	23	3.9	144382
1999	8	28	18	19	0.2	36.30	68.50	34	4.7	144462
1999	8	29	10	32	17.9	39.80	77.00	79	4.4	144474
1999	9	3	17	4	34.0	42.00	124.00	15	0.0	144521
1999	9	4	17	15	31.7	35.10	77.40	33	4.0	144530
1999	9	5	23	48	35.9	41.20	114.70	15	0.0	144545
1999	9	6	4	19	46.0	34.70	101.30	23	4.2	144549
1999	9	8	1	6	38.0	30.60	104.20	15	0.0	144586
1999	9	10	7	2	51.6	39.60	76.90	15	0.0	144615
1999	9	27	2	24	27.0	33.50	102.90	15	0.0	144915
1999	9	27	12	0	43.0	34.60	101.40	15	0.0	144930
1999	10	4	4	48	14.6	24.70	99.30	25	0.0	145078
1999	10	21	7	19	23.9	39.20	75.00	33	4.6	145346
1999	10	31	0	34	13.8	24.80	99.30	15	0.0	145472
1999	11	1	14	16	36.7	39.90	114.00	15	0.0	145491
1999	11	1	14	21	14.4	40.00	114.10	15	0.0	145493
1999	11	1	18	29	20.4	39.90	114.00	15	0.0	145498
1999	11	2	16	25	25.1	39.90	113.90	15	0.0	145511

1999	11	4	7	15	25.8	39.90	113.90	15	0.0	145531
1999	11	6	9	29	41.8	38.60	121.50	15	0.0	145554
1999	11	6	10	49	39.9	39.90	113.90	15	0.0	145555
1999	11	8	19	34	7.2	38.30	121.50	10	0.0	145592
1999	11	8	23	1	40.6	40.50	123.00	15	0.0	145600
1999	11	8	23	7	21.2	40.50	123.00	15	0.0	145601
1999	11	11	1	41	55.0	41.20	114.50	15	0.0	145627
1999	11	11	1	45	55.0	41.20	114.50	15	0.0	145628
1999	11	14	9	7	18.0	41.00	114.50	15	0.0	145684
1999	11	15	19	5	7.3	36.90	69.90	33	4.8	145699
1999	11	16	12	27	12.1	30.50	103.50	15	0.0	145708
1999	11	24	16	40	21.2	24.60	102.90	23	4.8	145806
1999	11	25	12	47	48.5	40.30	123.00	5	0.0	145816
1999	11	25	12	55	4.2	40.30	123.00	5	0.0	145817
1999	11	26	15	34	1.0	40.50	123.00	10	0.0	145846
1999	11	28	16	41	25.8	41.20	114.60	15	0.0	145887
1999	11	29	4	10	40.9	40.50	122.90	10	5.0	145898
1999	11	29	4	45	55.1	41.00	122.60	10	4.3	145901
1999	11	29	6	55	45.2	40.50	123.00	10	0.0	145906
1999	11	29	7	12	39.7	40.50	123.00	10	0.0	145907
1999	11	29	8	16	50.0	40.40	123.00	10	4.4	145909
1999	11	30	2	8	6.0	40.50	123.00	10	0.0	145924
1999	11	30	6	6	55.1	40.50	123.00	10	0.0	145928
1999	11	30	13	7	4.7	40.50	123.00	10	0.0	145938
1999	11	30	20	33	0.3	40.50	123.00	10	0.0	145943
1999	11	30	20	58	57.7	40.50	123.00	10	0.0	145944
1999	12	1	4	45	31.1	40.60	122.70	10	0.0	145947
1999	12	2	15	16	22.0	40.60	122.70	15	0.0	145964
1999	12	3	9	57	53.1	40.60	122.70	15	0.0	145975
1999	12	7	11	23	2.9	25.80	102.30	10	0.0	146024
1999	12	17	15	46	22.2	41.50	123.50	15	0.0	146161

1999	12	18	7	6	12.2	37.00	70.00	53	4.6	146165
1999	12	18	21	48	16.0	24.50	97.80	15	0.0	146170
1999	12	20	11	46	58.5	24.50	97.80	25	4.6	146196
1999	12	20	12	35	34.0	39.60	76.90	25	0.0	146197
1999	12	27	11	27	15.4	40.30	123.00	5	0.0	146300
1999	12	27	15	48	36.8	40.30	123.00	5	0.0	146303

This file contains the cross correlation measurements for the selected 1301 events. If measurements are desired for all 14,000 events in the ABCE, please contact David Schaff (dschaff@ldeo.columbia.edu).

ID1 & ID2 -- the unique six-digit identification numbers for events in the preceding file.
NET.STA -- the network and station codes from IRIS.
T2-T1 -- the differential travel time in seconds
(origin times are from the ABCE in the preceding file)
CC -- cross correlation coefficients

ID1	ID2	NET.STA	T2-T1	CC
126229	126243	CD.WMQ	0.3955	0.87
126229	126249	CD.WMQ	0.3010	0.90
126248	126251	CD.WMQ	0.6959	0.89
126229	126254	CD.WMQ	0.3121	0.85
126243	126254	CD.WMQ	-0.0915	0.84
126254	126261	CD.WMQ	-0.2978	0.84
126259	126263	CD.WMQ	0.1846	0.86
126261	126277	CD.WMQ	0.3691	0.81
126229	126319	CD.WMQ	0.4971	0.89
126243	126319	CD.WMQ	0.1008	0.91
126254	126319	CD.WMQ	0.1827	0.87
126277	126319	CD.WMQ	0.1382	0.82
127165	128279	CD.WMQ	-4.1436	0.86
128404	128444	CD.WMQ	0.2385	0.93
120171	120172	CD.WMQ	-2.0081	0.90
100188	100189	G.WUS	-9.9258	0.84
100188	100191	G.WUS	-5.5259	0.81
100189	100191	G.WUS	0.1789	0.89
100191	100216	G.WUS	-0.7052	0.82
120091	120101	G.WUS	-0.2375	0.87

129549	129553	G.WUS	-0.6228	0.90
130575	130589	G.WUS	6.6019	0.81
129800	131113	G.WUS	2.2604	0.83
131594	131633	G.WUS	-0.3374	0.88
131587	131667	G.WUS	-0.8088	0.94
100146	133724	G.WUS	7.5961	0.91
100146	133735	G.WUS	2.8666	0.95
133724	133735	G.WUS	-4.7488	0.94
133899	133921	G.WUS	-0.7558	0.87
133724	133927	G.WUS	-2.6616	0.85
133735	133927	G.WUS	2.0917	0.87
133744	133939	G.WUS	-4.6143	0.94
133790	133967	G.WUS	1.5232	0.83
133950	133969	G.WUS	-3.1560	0.82
133973	134011	G.WUS	0.3064	0.86
133950	134060	G.WUS	2.1083	0.86
133969	134060	G.WUS	5.2967	0.85
133967	134181	G.WUS	1.4320	0.84
138527	138547	G.WUS	2.2577	0.84
139261	139272	G.WUS	-0.6911	0.96
101061	139648	G.WUS	5.8192	0.82
101061	139653	G.WUS	-4.0512	0.80
139733	139735	G.WUS	-5.9101	0.81
100404	139751	G.WUS	1.2057	0.83
139733	139800	G.WUS	2.6112	0.84
139646	140061	G.WUS	-7.8613	0.83
139885	140238	G.WUS	1.8510	0.87
139733	140309	G.WUS	-6.9741	0.88
139800	140309	G.WUS	-9.4332	0.82
139719	140453	G.WUS	-2.4167	0.95
140551	140552	G.WUS	-4.1776	0.94

140818	141420	G.WUS	0.9803	0.89
139266	141635	G.WUS	-3.9246	0.83
139270	141635	G.WUS	0.0126	0.80
134065	141729	G.WUS	4.2419	0.86
139276	141748	G.WUS	3.9057	0.94
141762	141765	G.WUS	5.8246	0.82
141762	141802	G.WUS	-6.7660	0.84
141765	141802	G.WUS	-10.1988	0.87
140274	141986	G.WUS	0.6241	0.82
133822	142487	G.WUS	4.2534	0.87
142349	142572	G.WUS	-0.6337	0.83
140551	142591	G.WUS	0.3982	0.94
140552	142591	G.WUS	4.5691	0.94
139748	142728	G.WUS	11.3307	0.82
142934	142956	G.WUS	-0.0102	0.90
139276	143214	G.WUS	2.9450	0.87
141748	143214	G.WUS	-1.0079	0.81
139261	143215	G.WUS	-0.1655	0.83
139272	143215	G.WUS	0.5187	0.82
140818	143215	G.WUS	-1.5371	0.82
143214	143215	G.WUS	1.3519	0.82
142956	143505	G.WUS	1.1871	0.87
139451	144041	G.WUS	5.3824	0.80
134065	144332	G.WUS	-0.6460	0.89
141729	144332	G.WUS	-4.9085	0.94
140512	144615	G.WUS	3.8034	0.89
131975	132053	II.AAK	-10.8245	0.83
128498	128554	KN.KZA	0.1427	0.93
126239	127172	KN.UCH	5.0978	0.82
126239	127173	KN.UCH	-26.8689	0.87
113288	113295	CD.WMQ	0.2572	0.92

113288	113299	CD.WMQ	0.2537	0.88
113295	113299	CD.WMQ	-0.0023	0.96
116254	119372	CD.WMQ	0.1748	0.96
121970	121993	CD.WMQ	-0.0397	0.86
100224	100233	G.WUS	-0.3275	0.90
101483	101485	G.WUS	1.9615	0.89
129638	129641	G.WUS	0.1613	0.81
130944	130948	G.WUS	0.0018	0.81
130954	130968	G.WUS	-0.4841	0.86
130954	131010	G.WUS	1.6200	0.92
139472	139473	G.WUS	5.0821	0.88
100224	100233	IC.WMQ	-0.2552	0.91
134647	134658	IC.WMQ	1.0887	0.86
100224	100233	IU.MAKZ	-0.2924	0.92
120464	120471	II.GAR	0.9776	0.82
136914	137006	II.NIL	-0.1616	0.86
138443	138601	II.NIL	7.1338	0.89
140674	140857	II.NIL	28.4193	0.86
140234	141184	II.NIL	8.4534	0.85
141184	141306	II.NIL	-58.0440	0.97
141558	141699	II.NIL	-8.7790	0.93
141561	141702	II.NIL	1.6268	0.92
142127	142148	II.NIL	-0.3597	0.87
141800	142416	II.NIL	8.1044	0.92
141772	142537	II.NIL	-22.8480	0.85
142197	142537	II.NIL	35.8310	0.90
141772	142555	II.NIL	65.6094	0.93
142197	142555	II.NIL	-11.4648	0.84
142537	142555	II.NIL	-32.1136	0.85
142248	142952	II.NIL	0.6210	0.98
142428	143013	II.NIL	9.2611	0.93

142425	143064	II.NIL	22.4171	0.89
127835	128426	KN.USP	0.1904	0.99
100189	100191	II.AAK	0.2126	0.82
101048	101061	II.AAK	2.3414	0.91
101483	101485	II.AAK	1.9938	0.89
119841	119851	II.AAK	-0.9472	0.84
119824	120018	II.AAK	-0.9638	0.92
120091	120101	II.AAK	-0.1020	0.95
120018	120258	II.AAK	2.1096	0.86
120376	120407	II.AAK	2.3960	0.91
120376	120428	II.AAK	1.6490	0.82
120407	120428	II.AAK	-0.7526	0.82
119824	122208	II.AAK	-1.0858	0.98
120018	122208	II.AAK	-0.1216	0.92
122556	122570	II.AAK	-1.6280	0.86
122591	122592	II.AAK	0.6395	0.82
122556	123687	II.AAK	0.4159	0.84
122570	123687	II.AAK	2.0508	0.86
119778	124148	II.AAK	2.0440	0.95
124482	124569	II.AAK	-7.8224	0.86
125946	125950	II.AAK	-4.1673	0.82
125946	125964	II.AAK	-9.6052	0.85
125950	125964	II.AAK	1.1664	0.82
125946	125965	II.AAK	-6.5068	0.84
125964	125965	II.AAK	3.0894	0.83
124482	126445	II.AAK	-4.6828	0.83
128815	129018	II.AAK	0.8350	0.82
119940	129125	II.AAK	0.6381	0.92
131097	131596	II.AAK	24.3793	1.00
131596	131627	II.AAK	-26.6818	1.00
131585	131655	II.AAK	20.9446	0.81

131596	131655	II.AAK	-5.6664	0.82
131627	131655	II.AAK	-17.6841	1.00
131596	131667	II.AAK	-9.9764	1.00
131627	131667	II.AAK	17.0280	1.00
131655	131667	II.AAK	-12.8375	0.82
131688	131858	II.AAK	-32.4372	0.95
131858	132370	II.AAK	-29.7161	0.88
132625	132763	II.AAK	5.8571	0.85
131688	132879	II.AAK	-41.7982	0.93
131858	132879	II.AAK	-1.4024	0.94
132625	132879	II.AAK	7.2022	0.94
132879	133332	II.AAK	-9.0567	0.92
133330	133332	II.AAK	8.0255	0.85
100146	133724	II.AAK	7.7329	0.80
100146	133735	II.AAK	2.8458	0.93
133724	133735	II.AAK	-5.8667	0.89
133899	133921	II.AAK	-0.6849	0.85
133744	133939	II.AAK	-4.7268	0.86
133973	134011	II.AAK	0.3099	0.87
133824	134037	II.AAK	1.6399	0.83
133950	134060	II.AAK	2.1596	0.82
101067	134201	II.AAK	-6.6906	0.86
133731	134284	II.AAK	-0.9565	0.90
134268	134292	II.AAK	-8.0448	0.84
134337	134338	II.AAK	-1.9604	0.86
133975	134351	II.AAK	0.2244	0.89
134323	134358	II.AAK	-1.9556	0.85
134266	134401	II.AAK	4.9043	0.91
134400	134420	II.AAK	6.8825	0.92
134339	134636	II.AAK	5.2340	0.81
134251	134655	II.AAK	0.0821	0.86

134234	134665	II.AAK	-0.8424	0.93
134205	134667	II.AAK	-0.2132	0.81
134448	134710	II.AAK	-5.5727	0.82
134719	134720	II.AAK	0.6214	0.89
134245	134732	II.AAK	-2.1047	0.85
134733	134739	II.AAK	-0.1777	0.92
134400	134955	II.AAK	-1.5399	0.87
134420	134955	II.AAK	-10.0724	0.82
134268	135354	II.AAK	-8.1109	0.81
134234	135476	II.AAK	-0.0607	0.91
134263	135476	II.AAK	0.2110	0.81
134665	135476	II.AAK	0.7863	0.88
134251	135607	II.AAK	-0.1711	0.96
134655	135607	II.AAK	-0.2496	0.82
133737	135661	II.AAK	-0.3754	0.84
135665	135690	II.AAK	-1.5565	0.81
135727	135738	II.AAK	2.0615	0.89
134710	137107	II.AAK	0.3247	0.84
136239	137737	II.AAK	3.0010	0.90
134238	139260	II.AAK	-8.6979	0.96
139261	139272	II.AAK	-0.7232	0.93
134380	139406	II.AAK	-3.0633	0.81
101048	139648	II.AAK	7.9096	0.85
101061	139648	II.AAK	5.5680	0.84
137228	140006	II.AAK	-0.7511	0.81
139748	140058	II.AAK	0.3972	0.80
139749	140058	II.AAK	0.4354	0.84
139646	140061	II.AAK	-3.2119	0.83
134385	140063	II.AAK	-2.1426	0.90
129553	140092	II.AAK	-5.5158	0.80
139885	140227	II.AAK	-1.4361	0.85

140226	140227	II.AAK	-1.0269	0.81
140226	140238	II.AAK	2.4468	0.82
137228	140240	II.AAK	0.2458	0.88
140006	140240	II.AAK	0.6780	0.84
139733	140309	II.AAK	-6.9034	0.84
140551	140552	II.AAK	-4.2650	0.92
139637	140707	II.AAK	-18.0426	0.85
140447	141181	II.AAK	Inf	0.90
140818	141420	II.AAK	0.9813	0.91
139266	141635	II.AAK	-4.1196	0.80
134065	141729	II.AAK	5.0917	0.80
139288	141744	II.AAK	0.2118	0.80
139318	141744	II.AAK	4.0528	0.82
139276	141748	II.AAK	6.2040	0.94
141765	141802	II.AAK	-10.9964	0.84
101254	142034	II.AAK	-1.0007	0.85
142033	142034	II.AAK	0.0453	0.88
133822	142487	II.AAK	4.3345	0.84
140551	142591	II.AAK	0.1691	0.84
140552	142591	II.AAK	4.4385	0.83
139748	142728	II.AAK	9.6221	0.98
139748	142738	II.AAK	2.0555	0.88
141748	142956	II.AAK	-2.2620	0.83
142934	142956	II.AAK	0.0609	0.85
142956	143212	II.AAK	1.8827	0.82
141748	143214	II.AAK	-1.7594	0.81
142956	143214	II.AAK	0.7136	0.80
143212	143214	II.AAK	-1.2176	0.85
142956	143505	II.AAK	0.7928	0.84
134065	144332	II.AAK	-0.5885	0.83
141729	144332	II.AAK	-5.4157	0.87

125947	145346	II.AAK	-3.8964	0.87
140818	146197	II.AAK	-4.6829	0.86
141420	146197	II.AAK	-5.4738	0.84
122556	122570	KN.AAK	-1.6510	0.86
122591	122592	KN.AAK	0.6412	0.82
126286	126287	KN.AAK	34.0357	1.00
126290	127384	KN.AAK	8.5037	0.99
128498	128554	KN.AAK	0.1331	0.86
128498	128554	KN.AML	1.1162	0.80
122556	122570	KN.CHM	-1.6448	0.85
128480	128498	KN.CHM	10.4278	0.81
128498	128554	KN.CHM	0.1236	0.89
122556	122570	KN.EKS2	-1.6922	0.81
122591	122592	KN.EKS2	0.6421	0.91
122591	122592	KN.KBK	0.6413	0.86
126237	126240	KN.UCH	7.5910	0.92
116424	116436	CD.WMQ	0.7795	0.89
116468	116496	CD.WMQ	-1.6671	0.85
115021	115022	G.WUS	2.1521	0.94
122902	122909	G.WUS	1.9594	0.89
128608	129763	G.WUS	1.8479	0.89
128608	130657	G.WUS	-0.8904	0.81
130949	130950	G.WUS	0.1446	0.85
130941	130989	G.WUS	6.1751	0.89
130941	130990	G.WUS	-0.3670	0.81
130951	130990	G.WUS	-1.0183	0.80
131083	131329	G.WUS	0.6227	0.96
131447	131450	G.WUS	0.2868	0.82
131447	131454	G.WUS	-0.3489	0.80
132516	132518	G.WUS	-4.1538	0.84
133605	133607	G.WUS	2.9770	0.82

133833	133857	G.WUS	1.4974	0.91
138678	138697	G.WUS	-5.7790	0.89
139067	139069	G.WUS	-0.2400	0.81
140165	140187	G.WUS	1.0798	0.91
141651	141652	G.WUS	1.9492	0.86
141699	141702	G.WUS	-2.6456	0.87
141702	141753	G.WUS	9.0997	0.89
141699	141813	G.WUS	3.5160	0.80
141702	141813	G.WUS	6.0500	0.83
141651	142190	G.WUS	0.0303	0.80
141652	142190	G.WUS	-1.9075	0.82
141702	142338	G.WUS	9.0214	0.91
141753	142338	G.WUS	2.6948	0.94
133603	142926	G.WUS	3.0198	0.87
139304	139314	IC.WMQ	4.3429	0.81
143524	143528	IC.WMQ	7.2656	0.91
134647	134658	KZ.MAKZ	1.0223	0.89
134669	134672	KZ.MAKZ	-0.0833	0.93
131083	131329	II.NIL	0.6150	0.91
131447	131450	II.NIL	0.4075	0.84
136502	139040	II.NIL	0.2581	0.87
139067	139069	II.NIL	-0.3490	0.88
139692	139694	II.NIL	-0.0725	0.94
140878	140886	II.NIL	31.0596	0.91
141042	141045	II.NIL	36.2166	0.83
141170	141335	II.NIL	64.9339	0.85
140156	141580	II.NIL	-2.9857	0.82
142633	142744	II.NIL	-52.0012	0.94
119448	119570	II.AAK	-4.1217	0.94
119558	119570	II.AAK	-1.3626	0.87
120261	120263	II.AAK	-1.3707	0.89

125690	125697	II.AAK	0.0638	0.86
125690	125703	II.AAK	0.0699	0.87
125703	125898	II.AAK	0.4643	0.83
125896	125898	II.AAK	0.9499	0.83
129482	129870	II.AAK	-0.8835	0.83
130949	130950	II.AAK	0.1208	0.83
139393	144041	II.AAK	-2.1086	0.80
127036	127448	KN.UCH	11.8795	0.99
120258	126498	CD.WMQ	-0.1737	0.83
138842	139019	G.WUS	-5.0043	0.84
139227	140242	G.WUS	-14.4882	0.87
138692	140606	G.WUS	-6.4124	0.82
140698	140711	G.WUS	0.4877	0.82
138554	141177	G.WUS	3.7443	0.89
143531	143588	G.WUS	0.5574	0.87
138529	144382	G.WUS	-1.0049	0.84
114690	114709	II.GAR	-8.7585	0.81
119719	119723	II.GAR	-0.6652	0.86
134925	134977	II.NIL	1.2317	0.88
134703	134989	II.NIL	0.5623	0.85
134900	134989	II.NIL	-3.3832	0.80
134738	136778	II.NIL	-1.4765	0.90
132218	137200	II.NIL	-3.0303	0.93
139752	139908	II.NIL	21.2507	0.81
139963	140063	II.NIL	12.4998	0.93
139834	140089	II.NIL	0.6415	0.87
140218	140274	II.NIL	9.1960	0.86
140442	140707	II.NIL	6.5281	0.93
140643	140818	II.NIL	-8.8426	0.92
141248	141252	II.NIL	22.6554	0.89
141748	141765	II.NIL	12.5149	0.85

141748	141986	II.NIL	6.5786	0.82
141525	142432	II.NIL	-9.3498	0.80
142229	142511	II.NIL	-9.4272	0.88
142588	142589	II.NIL	6.8584	0.85
141635	142590	II.NIL	-5.9106	0.81
141777	142591	II.NIL	6.7967	0.94
142590	142934	II.NIL	13.8570	0.81
131148	131149	II.AAK	-10.8085	0.82
131171	131447	II.AAK	-13.8564	0.98
131171	131450	II.AAK	-1.0616	0.98
131447	131450	II.AAK	12.7515	0.99
131148	131522	II.AAK	7.6503	0.87
131171	131553	II.AAK	-18.3829	0.98
131447	131553	II.AAK	-4.5212	0.99
131450	131553	II.AAK	-16.6246	0.96
131171	131620	II.AAK	-20.3218	0.98
131447	131620	II.AAK	-6.4097	0.99
131450	131620	II.AAK	-19.5990	0.96
131553	131620	II.AAK	-1.8685	0.96
133384	133386	II.AAK	-10.4001	0.90
138347	138348	II.AAK	-0.4422	0.84
136499	139040	II.AAK	-0.5299	0.83
139692	139694	II.AAK	-0.0170	0.91
141699	141702	II.AAK	-2.6215	0.82
141702	141753	II.AAK	7.2836	0.86
145699	146165	II.AAK	-0.1963	0.83
143524	143528	II.KURK	7.2151	0.94
128570	128608	KN.KZA	2.4761	0.87
126707	127444	KN.UCH	-8.5639	0.82
128803	128832	KZ.TLG	0.2470	0.86
139692	139694	G.WUS	-0.0347	0.88

142211	142213	IC.HIA	0.0253	0.88
133724	133735	IC.WMQ	-4.7904	0.83
139258	139259	IC.WMQ	-1.9042	0.81
139719	140453	IC.WMQ	-2.4148	0.92
133822	142487	IC.WMQ	4.2955	0.85
100188	100189	IU.MAKZ	-8.5190	0.89
100188	100190	IU.MAKZ	-8.3024	0.85
141651	141652	IU.MAKZ	1.9590	0.82
141652	142190	IU.MAKZ	-1.8938	0.80
134613	134618	KZ.MAKZ	0.3382	0.82
134448	134635	KZ.MAKZ	-4.6689	0.82
134719	134720	KZ.MAKZ	0.6055	0.81
119448	119570	II.GAR	-4.1390	0.81
139987	139995	II.NIL	-28.5337	0.83
139989	139995	II.NIL	-15.0316	0.87
126653	126661	KN.USP	0.9382	0.82
122060	128487	KN.USP	5.2444	0.81
120682	121954	II.AAK	-2.3072	0.85
121107	122042	II.AAK	0.1657	0.83
119498	122996	II.AAK	4.0743	0.83
120682	122996	II.AAK	-0.7379	0.92
121954	122996	II.AAK	1.5915	0.93
121149	123087	II.AAK	-2.1002	0.84
121149	123090	II.AAK	1.0199	0.83
123087	123090	II.AAK	3.1382	0.90
123274	123459	II.AAK	-3.7354	0.88
120090	123517	II.AAK	1.2101	0.84
123850	124525	II.AAK	0.3594	0.94
121954	124741	II.AAK	3.1947	0.84
122996	124741	II.AAK	1.6093	0.88
119774	127706	II.AAK	-4.1269	0.92

120682	128803	II.AAK	2.3833	0.84
128803	128832	II.AAK	0.2352	0.89
123729	129481	II.AAK	1.8534	0.82
120682	130639	II.AAK	-0.9823	0.82
122996	130639	II.AAK	-0.2264	0.84
131093	131174	II.AAK	-18.5773	0.88
131093	131195	II.AAK	4.3164	0.92
131174	131534	II.AAK	-8.9884	0.90
131449	131534	II.AAK	7.9453	0.91
131089	131541	II.AAK	-7.0359	0.86
131226	131541	II.AAK	0.4403	0.88
135620	135623	II.AAK	-0.9743	0.89
122067	136058	II.AAK	-2.0379	0.86
143531	143588	II.AAK	0.5541	0.94
101313	101314	II.KURK	-1.0258	0.81
129482	129870	II.KURK	-0.8309	0.89
131174	131492	II.KURK	2.1125	0.81
137158	137161	II.KURK	1.8568	0.84
139304	139314	II.KURK	4.2213	0.82
123192	123207	II.NVS	-0.3207	0.84
126248	126251	KN.AAK	0.5468	0.80
126653	126661	KN.AAK	0.9085	0.92
122060	128487	KN.AAK	5.2815	0.85
128570	128608	KN.AAK	2.4980	0.85
126262	126263	KN.AML	-15.8457	1.00
126653	126661	KN.AML	0.9370	0.84
126653	126661	KN.CHM	0.9037	0.80
126248	126251	KN.KBK	0.5485	0.81
128570	128608	KN.TKM2	2.4726	0.80
127547	128562	KN.UCH	-11.1997	0.82
136499	139040	IC.WMQ	-0.4510	0.81

100187	100222	II.AAK	-0.3848	0.80
123137	132405	II.AAK	-1.6774	0.91
101048	101061	II.KURK	2.2320	0.88
101067	101117	II.KURK	-2.6347	0.88
131585	131602	II.KURK	-0.3746	0.80
131594	131633	II.KURK	-0.2788	0.88
131587	131667	II.KURK	-0.7180	0.91
133968	134011	II.KURK	-2.7174	0.88
101067	134201	II.KURK	-6.7277	0.94
101117	134201	II.KURK	-4.0949	0.85
133972	134212	II.KURK	3.2909	0.84
134231	134232	II.KURK	2.1865	0.85
134233	134236	II.KURK	2.0437	0.89
134229	134245	II.KURK	0.2419	0.84
133968	134278	II.KURK	-0.7129	0.83
134011	134278	II.KURK	2.0151	0.82
134268	134292	II.KURK	-8.0845	0.87
134273	134293	II.KURK	-2.2604	0.83
133975	134307	II.KURK	0.8058	0.84
133975	134308	II.KURK	3.1704	0.88
134307	134308	II.KURK	2.4461	0.95
134297	134337	II.KURK	0.3899	0.80
134297	134338	II.KURK	-1.6172	0.85
134337	134338	II.KURK	-2.0173	0.89
133975	134351	II.KURK	0.2214	0.94
134307	134351	II.KURK	-0.4080	0.83
133946	134362	II.KURK	2.1953	0.83
134266	134401	II.KURK	6.0412	0.83
134378	134455	II.KURK	-3.5394	0.81
134333	134520	II.KURK	2.8226	0.84
134534	134549	II.KURK	1.0159	0.82

134534	134575	II.KURK	-0.5568	0.84
134549	134575	II.KURK	-1.6761	0.85
134201	134613	II.KURK	0.3443	0.85
134613	134614	II.KURK	-0.2411	0.95
134613	134615	II.KURK	-0.2934	0.89
134614	134615	II.KURK	-0.0467	0.91
101067	134618	II.KURK	-6.1851	0.86
134201	134618	II.KURK	0.5927	0.94
134613	134618	II.KURK	0.2581	0.93
134614	134618	II.KURK	0.5014	0.89
134615	134618	II.KURK	0.5509	0.87
134201	134619	II.KURK	-0.3161	0.84
134618	134619	II.KURK	-0.9062	0.85
101067	134620	II.KURK	-7.2242	0.87
101117	134620	II.KURK	-4.6286	0.81
134201	134620	II.KURK	-0.5274	0.91
134618	134620	II.KURK	-1.1194	0.89
134619	134620	II.KURK	-0.2051	0.84
134534	134629	II.KURK	-0.6984	0.86
134549	134629	II.KURK	-1.7092	0.84
134575	134629	II.KURK	-0.1235	0.81
134304	134635	II.KURK	0.1930	0.84
134719	134720	II.KURK	0.6405	0.93
101067	134725	II.KURK	-7.0439	0.89
101117	134725	II.KURK	-4.4641	0.85
134201	134725	II.KURK	-0.3598	0.88
134618	134725	II.KURK	-0.9489	0.83
134619	134725	II.KURK	-0.0345	0.80
134620	134725	II.KURK	0.1746	0.91
134245	134732	II.KURK	-2.1466	0.86
134276	134732	II.KURK	0.3827	0.86

131594	134754	II.KURK	0.9310	0.82
134233	134811	II.KURK	-0.4436	0.93
134236	134811	II.KURK	-2.4579	0.87
134233	134813	II.KURK	0.1818	0.85
134236	134813	II.KURK	-1.7375	0.82
133972	134822	II.KURK	-1.4772	0.81
134212	134822	II.KURK	-4.8054	0.83
134388	136778	II.KURK	-4.7041	0.83
134738	136778	II.KURK	-0.6322	0.81
134710	137107	II.KURK	0.2333	0.81
132218	137200	II.KURK	-3.0318	0.97
137540	138585	II.KURK	-0.8650	0.82
141761	141802	II.KURK	-7.3345	0.82
139340	142229	II.KURK	1.8167	0.82
143524	143528	IU.ULN	7.6981	0.86
131411	131517	II.AAK	6.3384	0.90
131160	131632	II.AAK	20.0101	0.88
143524	143528	II.BRVK	7.3829	0.86
141651	141652	II.KURK	1.9566	0.92
141651	142190	II.KURK	0.0088	0.92
141652	142190	II.KURK	-1.9112	0.92
143785	143788	II.KURK	-0.4599	0.80
141968	141973	IC.BJT	-0.2323	0.89
141968	142189	IC.BJT	6.8379	0.91
141973	142189	IC.BJT	7.1507	0.88
142211	142213	IC.BJT	0.0180	0.91
142211	142231	IC.BJT	0.4820	0.84
142213	142231	IC.BJT	0.5441	0.88
141968	142328	IC.BJT	-0.1274	0.91
141973	142328	IC.BJT	0.1175	0.87
142211	142213	IC.WMQ	-0.1125	0.82

123137	132405	II.TLY	-1.7400	0.83
141789	141827	II.TLY	-1.5485	0.83
101048	101061	II.BRVK	2.2934	0.91
128815	129018	II.BRVK	0.7790	0.84
129041	131666	II.BRVK	-0.8095	0.81
133724	133735	II.BRVK	-4.7724	0.86
133724	133927	II.BRVK	-2.6455	0.92
133735	133927	II.BRVK	2.2421	0.82
133950	133968	II.BRVK	1.7969	0.81
101067	134201	II.BRVK	-6.7713	0.84
134233	134236	II.BRVK	1.6662	0.86
134229	134245	II.BRVK	0.2787	0.84
134307	134308	II.BRVK	2.5008	0.88
134302	134311	II.BRVK	3.4171	0.88
133975	134351	II.BRVK	0.2777	0.83
134201	134618	II.BRVK	0.6002	0.86
134245	134732	II.BRVK	-2.0975	0.85
134233	134811	II.BRVK	-0.4521	0.81
134236	134945	II.BRVK	-2.4330	0.81
134703	134989	II.BRVK	0.5854	0.90
134900	134989	II.BRVK	-3.3464	0.88
134229	135463	II.BRVK	-4.1910	0.81
134245	135463	II.BRVK	-4.4328	0.81
132218	137200	II.BRVK	-3.0213	0.85
137540	138585	II.BRVK	-0.8391	0.84
134229	138832	II.BRVK	-11.8214	0.82
139304	139314	II.BRVK	4.1691	0.87
139630	139631	II.BRVK	1.5974	0.83
101048	139648	II.BRVK	7.8919	0.80
101061	139648	II.BRVK	5.5977	0.85
101048	139653	II.BRVK	-1.1133	0.89

101061	139653	II.BRVK	-4.5441	0.93
139631	139653	II.BRVK	-6.8543	0.80
139652	140442	II.BRVK	0.0553	0.84
139719	140453	II.BRVK	-2.3710	0.97
139340	142229	II.BRVK	1.7438	0.86
139748	142728	II.BRVK	14.4911	0.82
139316	143214	II.BRVK	-0.2037	0.83
143212	143214	II.BRVK	-1.2319	0.92
140818	143215	II.BRVK	-1.4021	0.85
143214	143215	II.BRVK	1.1222	0.81
134832	144474	II.BRVK	10.3074	0.88
138443	138601	II.KURK	6.7242	0.83
138592	141520	II.KURK	-4.0365	0.81
122935	122939	II.NVS	-0.2744	0.91
141969	141973	IU.MAKZ	-0.9328	0.82
141968	142189	IU.MAKZ	7.3960	0.83
142211	142213	IU.MAKZ	-0.1005	0.84
141969	141973	KZ.MAKZ	-0.9338	0.82
141968	142189	KZ.MAKZ	7.3700	0.83
142211	142213	KZ.MAKZ	-0.1905	0.84
139692	139694	II.BRVK	-0.0076	0.80
134121	134153	II.KURK	-6.2366	0.81
136499	139040	II.KURK	-1.3369	0.87
141968	141973	II.KURK	-0.4711	0.83
142211	142213	II.KURK	-0.0742	0.80
142213	142231	II.KURK	1.0453	0.81
141766	144462	II.KURK	-11.0614	0.84
143397	144530	II.KURK	-0.2477	0.84
141968	141973	IC.XAN	-0.3635	0.82
141968	142189	IC.XAN	6.9421	0.83
141968	142328	IC.XAN	0.0400	0.80

122935	122939	II.ARU	-0.2907	0.91
118095	118104	CD.KMI	0.5205	0.88
130500	130516	CD.KMI	13.8158	0.81
130500	130535	CD.KMI	11.1500	0.83
130498	131145	CD.KMI	12.0800	0.81
122784	131599	CD.KMI	-5.7585	0.86
131839	132300	CD.MDJ	-4.9518	0.91
133557	133604	IC.BJT	21.6948	0.91
133564	137154	IC.BJT	1.9675	0.95
133564	137302	IC.BJT	-52.0745	0.95
133564	138659	IC.BJT	5.4812	0.96
137302	138659	IC.BJT	17.3990	0.81
138590	138659	IC.BJT	1.9957	0.82
138994	140258	IC.KMI	-4.9533	0.83
100393	131999	IC.LSA	-0.1771	0.90
113017	113047	CD.BJI	-2.3636	0.86
116403	116406	CD.BJI	-1.4008	0.81
116444	119900	CD.BJI	1.2733	0.93
116407	119933	CD.BJI	1.2449	0.88
119932	119933	CD.BJI	0.2036	0.90
116411	125320	CD.BJI	-1.3459	0.82
119899	125322	CD.BJI	-1.6052	0.93
116444	125340	CD.BJI	-0.4016	0.91
123122	126728	CD.ENH	1.7356	0.84
131105	132727	CD.ENH	-7.6939	0.93
135218	135223	CD.ENH	8.6011	0.94
135218	135224	CD.ENH	-3.7651	0.96
135223	135224	CD.ENH	-14.5346	0.93
135218	135244	CD.ENH	0.2854	0.81
135223	135244	CD.ENH	-8.1511	0.93
135224	135244	CD.ENH	4.5744	0.81

108482	108551	CD.KMI	0.6899	0.85
108996	108998	CD.KMI	5.5786	0.91
108996	109001	CD.KMI	0.8638	0.90
108998	109001	CD.KMI	-4.5969	0.92
110633	110690	CD.KMI	5.9082	0.89
112006	112020	CD.KMI	-9.9746	0.94
112742	112743	CD.KMI	-0.2385	0.90
112911	112920	CD.KMI	4.3041	0.89
113373	113374	CD.KMI	8.0028	0.81
114340	114589	CD.KMI	3.6104	0.95
114340	114707	CD.KMI	-0.8401	0.94
114589	114707	CD.KMI	-4.5189	0.91
116903	116927	CD.KMI	-0.4886	0.89
116966	116968	CD.KMI	0.2340	0.82
113281	117778	CD.KMI	2.8089	0.81
118860	118945	CD.KMI	5.4140	0.87
118064	120878	CD.KMI	0.1488	0.93
121838	122711	CD.KMI	0.3987	0.83
119516	122816	CD.KMI	-0.1822	0.92
119516	123142	CD.KMI	0.8547	0.86
122816	123142	CD.KMI	1.0171	0.89
123712	123790	CD.KMI	-0.4485	0.85
124724	124725	CD.KMI	-11.3380	0.85
124725	124759	CD.KMI	-1.8403	0.84
125209	125259	CD.KMI	-0.3986	0.85
125046	125314	CD.KMI	1.2386	0.93
125219	125318	CD.KMI	-0.9906	0.88
125523	125536	CD.KMI	2.8135	0.91
126048	126553	CD.KMI	-1.0358	0.86
129171	129174	CD.KMI	3.1082	0.84
129174	129273	CD.KMI	-1.4664	0.80

130215	130218	CD.KMI	-1.0443	0.81
130886	131330	CD.KMI	-1.7745	0.84
100471	100516	IC.BJT	0.9410	0.80
101318	101330	IC.BJT	5.0000	0.83
127940	127945	IC.BJT	-0.3888	0.86
130641	130729	IC.BJT	-2.1394	0.84
128186	131748	IC.BJT	0.9850	0.89
131741	134089	IC.BJT	-0.4356	0.91
130398	134745	IC.BJT	-2.4261	0.81
133773	135263	IC.BJT	1.2574	0.88
135404	135467	IC.BJT	3.4032	0.84
136009	136109	IC.BJT	0.3916	0.93
136109	136111	IC.BJT	-0.0986	0.93
136109	136112	IC.BJT	-0.4202	0.87
136436	136560	IC.BJT	-7.2768	0.87
136442	136638	IC.BJT	13.6229	0.87
136433	136674	IC.BJT	6.8218	0.84
136633	136807	IC.BJT	-1.7218	0.87
136403	136923	IC.BJT	1.6218	0.82
136428	136926	IC.BJT	-6.8913	0.84
136528	136926	IC.BJT	-10.6000	0.82
136704	136926	IC.BJT	-9.8678	0.87
136769	136926	IC.BJT	-9.7016	0.95
137488	138021	IC.BJT	7.1455	0.90
136442	138416	IC.BJT	2.3831	0.86
138377	138429	IC.BJT	-2.5514	0.84
138429	138483	IC.BJT	-1.5045	0.83
136403	138952	IC.BJT	3.0628	0.82
136923	138952	IC.BJT	1.3672	0.87
100948	139175	IC.BJT	-2.5849	0.87
138374	139251	IC.BJT	-1.4519	0.80

136402	140057	IC.BJT	-4.2807	0.84
136405	140057	IC.BJT	-4.6248	0.87
136395	140185	IC.BJT	7.0644	0.85
136405	140185	IC.BJT	1.9714	0.88
136690	140185	IC.BJT	8.2548	0.83
136923	140185	IC.BJT	8.6111	0.81
140292	140607	IC.BJT	13.5103	0.92
142401	142418	IC.BJT	0.1913	0.81
101331	142420	IC.BJT	-0.8347	0.80
100806	142424	IC.BJT	1.2883	0.87
142439	142932	IC.BJT	-7.1525	0.86
142512	142932	IC.BJT	-3.3588	0.86
145493	145511	IC.BJT	-2.0423	0.86
145498	145531	IC.BJT	-1.9553	0.94
145491	145555	IC.BJT	1.3370	0.87
144545	145627	IC.BJT	-2.5645	0.80
144545	145628	IC.BJT	-0.9310	0.85
136437	145684	IC.BJT	-6.3574	0.81
142420	145887	IC.BJT	-0.3469	0.85
131637	131638	IC.HIA	0.1406	0.91
100485	100489	IC.KMI	-3.7526	0.84
100628	100788	IC.KMI	1.2935	0.85
100628	100837	IC.KMI	6.5694	0.85
100971	101006	IC.KMI	-1.1257	0.91
132538	132546	IC.KMI	1.6804	0.94
132570	132577	IC.KMI	-3.1044	0.82
132546	132608	IC.KMI	-1.2583	0.90
133639	133652	IC.KMI	-1.4065	0.93
133639	133672	IC.KMI	-1.8756	0.92
133652	133672	IC.KMI	-0.4088	0.91
137304	137305	IC.KMI	3.6505	0.82

138755	139145	IC.KMI	1.8793	0.90
100349	139366	IC.KMI	6.3375	0.93
139145	139366	IC.KMI	-7.4051	0.89
139900	139924	IC.KMI	-0.0217	0.89
139907	139924	IC.KMI	3.7577	0.95
140067	140084	IC.KMI	-11.2600	0.87
140492	140543	IC.KMI	4.8097	0.92
140496	140543	IC.KMI	4.1545	0.88
140973	141078	IC.KMI	-0.7514	0.85
140491	141160	IC.KMI	6.4666	0.81
141138	141557	IC.KMI	-3.3230	0.86
100331	100335	IC.LSA	-0.1180	0.83
131544	131547	IC.LSA	1.8086	0.86
131597	131680	IC.LSA	0.3106	0.92
132266	132272	IC.LSA	-0.6855	0.85
132274	133645	IC.LSA	-1.9057	0.84
132315	133645	IC.LSA	-3.7086	0.82
135047	135049	IC.LSA	0.1323	0.94
135047	135079	IC.LSA	-6.0077	0.88
135049	135079	IC.LSA	-5.6571	0.92
134103	135085	IC.LSA	2.3217	0.88
139530	139565	IC.LSA	4.5376	0.97
123748	123985	IC.XAN	-11.2698	0.86
124594	124979	IC.XAN	-0.1673	0.84
124594	126094	IC.XAN	-0.8900	0.94
118893	118906	CD.LZH	0.5611	0.83
111481	119563	CD.LZH	-0.3682	0.92
121037	121041	CD.LZH	-0.2818	0.81
123603	123685	CD.LZH	-0.1589	0.88
111481	123732	CD.LZH	2.1707	0.86
123685	123771	CD.LZH	0.1400	0.91

124594	124979	CD.LZH	-1.1793	0.85
124594	126094	CD.LZH	-0.8977	0.91
124979	126094	CD.LZH	0.2900	0.86
126306	126311	CD.LZH	-0.2954	0.82
126311	126352	CD.LZH	3.7430	0.83
127855	127886	CD.LZH	3.7206	0.91
132051	132509	CD.LZH	-0.2168	0.85
132051	132724	CD.LZH	-1.0034	0.81
121546	133720	CD.LZH	-0.7156	0.84
144549	144930	CD.LZH	-5.4987	0.82
133207	133278	IC.SSE	-4.3434	0.88
134161	134468	IC.SSE	-1.3974	0.89
136021	136208	IC.SSE	-2.0484	0.84
124961	125290	CD.ENH	0.9515	0.81
124291	128138	CD.ENH	-6.4053	0.87
126519	129408	CD.ENH	-4.7744	0.80
129379	131831	CD.ENH	0.2078	0.95
126345	131852	CD.ENH	0.5383	0.89
126647	132008	CD.ENH	0.0793	0.84
129379	134888	CD.ENH	-1.0263	0.87
131831	134888	CD.ENH	-1.2291	0.87
124291	135096	CD.ENH	-8.0600	0.85
128138	135096	CD.ENH	-0.8876	0.91
124954	126776	CD.HIA	5.0977	0.84
124954	128080	CD.HIA	-0.1517	0.86
109475	109537	CD.KMI	0.7783	0.84
110266	110267	CD.KMI	0.6576	0.85
113473	113486	CD.KMI	1.8304	0.96
113689	113692	CD.KMI	-2.7582	0.84
113712	113716	CD.KMI	0.9322	0.95
113717	113733	CD.KMI	-3.4556	0.81

113703	113778	CD.KMI	-0.8975	0.85
114020	114048	CD.KMI	2.8004	0.90
113473	114590	CD.KMI	4.4857	0.94
113486	114590	CD.KMI	2.6201	0.90
113473	114601	CD.KMI	1.8735	0.85
113486	114601	CD.KMI	0.0863	0.92
114590	114601	CD.KMI	-2.5714	0.82
113717	115420	CD.KMI	-3.2074	0.92
113733	115420	CD.KMI	-0.6119	0.86
117291	117292	CD.KMI	-0.4834	0.82
114601	117366	CD.KMI	-0.5244	0.90
114020	117397	CD.KMI	1.9888	0.87
114048	117397	CD.KMI	-0.8272	0.97
118178	118555	CD.KMI	-0.2411	0.81
120595	120614	CD.KMI	-3.7775	0.83
118919	121205	CD.KMI	2.7344	0.90
121709	121711	CD.KMI	3.2000	0.87
121055	121752	CD.KMI	3.2836	0.88
121055	121754	CD.KMI	-2.0292	0.87
122278	122287	CD.KMI	-3.5708	0.84
124317	124332	CD.KMI	-0.1813	0.88
124362	124389	CD.KMI	-2.6875	0.82
124400	124412	CD.KMI	4.4245	0.95
124402	124412	CD.KMI	3.4242	0.83
124362	124456	CD.KMI	-4.5127	0.81
124389	124456	CD.KMI	-1.8334	0.94
124576	124600	CD.KMI	-1.4354	0.89
124719	124820	CD.KMI	4.6876	0.80
124389	125907	CD.KMI	0.1325	0.82
124362	126623	CD.KMI	-2.4922	0.80
124389	126623	CD.KMI	0.2018	0.82

124456	126623	CD.KMI	2.0421	0.81
127415	127425	CD.KMI	-0.1586	0.86
113780	128955	CD.KMI	5.6283	0.94
129107	129108	CD.KMI	7.2833	0.92
129107	129109	CD.KMI	6.4635	0.87
129108	129109	CD.KMI	-0.9299	0.96
129107	129116	CD.KMI	-1.1157	0.92
129108	129116	CD.KMI	-6.8305	0.94
129109	129116	CD.KMI	-7.2299	0.90
111993	131224	CD.KMI	-3.5551	0.85
131265	131270	CD.KMI	-0.0422	0.83
131214	131273	CD.KMI	0.2874	0.85
131234	131273	CD.KMI	-0.0796	0.91
131311	131314	CD.KMI	2.9922	0.88
131245	131324	CD.KMI	1.5306	0.88
131246	131324	CD.KMI	5.5478	0.90
131461	131462	CD.KMI	-0.8099	0.81
131309	131570	CD.KMI	-0.4281	0.90
127314	127320	CD.LSA	-0.7794	0.86
125362	129847	CD.LSA	3.4172	0.97
125362	129921	CD.LSA	5.3839	0.85
129847	129921	CD.LSA	1.9387	0.83
101549	101550	IC.BJT	4.2633	0.86
127772	127774	IC.BJT	-1.3008	0.86
128822	128827	IC.BJT	-0.1038	0.85
128822	128833	IC.BJT	1.6995	0.89
128827	128833	IC.BJT	1.8002	0.87
132619	133059	IC.BJT	2.3106	0.91
133115	133197	IC.BJT	-0.8925	0.93
133370	133541	IC.BJT	0.1064	0.81
132849	133586	IC.BJT	-8.3783	0.84

131172	135743	IC.BJT	2.2689	0.83
135743	135750	IC.BJT	0.0774	0.88
135743	135751	IC.BJT	-5.1885	0.89
135750	135751	IC.BJT	-5.4671	0.96
137944	137962	IC.BJT	-1.5087	0.89
140004	140011	IC.BJT	2.3587	0.82
135110	141385	IC.BJT	-3.0440	0.86
143594	143596	IC.ENH	1.1895	0.95
135308	135357	IC.HIA	4.3480	0.92
100606	100608	IC.KMI	-3.5927	0.93
132382	132385	IC.KMI	0.3231	0.83
132382	132386	IC.KMI	0.3262	0.89
132385	132386	IC.KMI	0.0026	0.88
134463	134467	IC.KMI	-2.8067	0.82
134984	134985	IC.KMI	-2.1881	0.83
134984	135009	IC.KMI	-3.2771	0.83
135628	135630	IC.KMI	0.1393	0.91
135628	135646	IC.KMI	1.1985	0.90
138244	139697	IC.KMI	6.1197	0.88
140879	140897	IC.KMI	1.1018	0.92
141693	141694	IC.KMI	5.4553	0.83
143993	143994	IC.KMI	-0.2636	0.95
100245	145078	IC.KMI	-1.9899	0.88
135009	145078	IC.KMI	-3.2487	0.80
145078	145472	IC.KMI	1.4666	0.84
100054	100065	IC.LSA	1.5638	0.97
100108	100287	IC.LSA	-0.1763	0.89
100462	100558	IC.LSA	-3.0442	0.82
100462	100559	IC.LSA	-0.5034	0.92
100559	100573	IC.LSA	1.4380	0.81
100660	100667	IC.LSA	0.5652	0.85

130704	130708	IC.LSA	-6.3921	0.84
130945	131142	IC.LSA	-2.7095	0.88
134410	134808	IC.LSA	-5.9556	0.80
135993	136011	IC.LSA	6.4385	0.90
141502	141505	IC.LSA	-1.0948	0.87
134712	134818	IC.MDJ	-0.9542	0.87
144264	144376	IC.MDJ	-2.0093	0.80
144264	144378	IC.MDJ	-1.4248	0.81
124807	124809	IC.XAN	-0.8987	0.90
125481	125485	IC.XAN	0.8931	0.81
127369	127375	IC.XAN	10.1497	0.83
127855	127886	IC.XAN	3.7337	0.90
127855	127896	IC.XAN	3.1397	0.82
127886	127896	IC.XAN	-0.6029	0.91
127896	127925	IC.XAN	-4.8969	0.84
129721	129756	IC.XAN	3.4817	0.85
129752	129756	IC.XAN	3.0605	0.87
129756	130074	IC.XAN	-2.9838	0.83
135218	135223	IC.XAN	7.8498	0.90
135218	135224	IC.XAN	-3.7529	0.97
135223	135224	IC.XAN	-12.2060	0.94
135218	135225	IC.XAN	0.3439	0.83
135223	135225	IC.XAN	-8.0238	0.90
135224	135225	IC.XAN	4.0857	0.87
135218	135229	IC.XAN	-1.2806	0.82
135223	135229	IC.XAN	-10.3623	0.93
135224	135229	IC.XAN	2.3797	0.87
135225	135229	IC.XAN	-1.6126	0.89
135223	135244	IC.XAN	-9.2476	0.88
135225	135244	IC.XAN	-0.0921	0.89
135229	135244	IC.XAN	1.4734	0.86

136343	137621	IC.XAN	2.2578	0.82
141624	141741	IC.XAN	-0.4181	0.91
111324	111329	CD.LZH	0.1893	0.84
111376	111391	CD.LZH	-1.1467	0.87
111330	112625	CD.LZH	0.0664	0.95
128305	128306	CD.LZH	-0.1190	0.87
129314	129583	CD.LZH	-0.1666	0.82
132031	132170	CD.LZH	-6.2330	0.84
140091	140178	CD.LZH	3.7342	0.85
129754	129755	IU.CHTO	-0.4481	0.88
129899	131984	IU.CHTO	7.8144	0.87
133684	133691	IU.CHTO	11.8392	0.82
135549	135616	IU.CHTO	-0.8785	0.85
123781	123795	CD.ENH	0.8692	0.87
124832	124833	CD.ENH	-0.2381	0.94
124832	124834	CD.ENH	-0.0307	0.83
124833	124834	CD.ENH	0.2100	0.91
126401	126406	CD.ENH	-0.0289	0.88
130886	131330	CD.ENH	-1.7807	0.81
122473	123071	CD.HIA	1.3652	0.82
114972	114974	CD.KMI	-0.6080	0.82
115045	115106	CD.KMI	-2.9351	0.82
121637	121638	CD.KMI	0.8492	0.89
111320	111368	CD.WMQ	-2.2740	0.84
125617	125620	CD.WMQ	2.4813	0.82
128522	128559	IC.BJT	0.0017	0.80
128835	128840	IC.BJT	-0.4869	0.85
128840	129293	IC.BJT	3.7736	0.85
128840	129295	IC.BJT	0.5599	0.82
101215	131946	IC.BJT	0.8359	0.83
132411	133071	IC.BJT	-0.9088	0.81

133772	133776	IC.BJT	-1.1523	0.84
145816	145901	IC.BJT	3.8959	0.81
101032	145943	IC.BJT	-0.6001	0.81
101030	145944	IC.BJT	1.8981	0.81
100135	145947	IC.BJT	-1.3098	0.80
145938	145964	IC.BJT	0.6051	0.86
145907	145975	IC.BJT	-1.4225	0.81
145924	145975	IC.BJT	-1.2990	0.82
145943	146300	IC.BJT	0.3351	0.92
145943	146303	IC.BJT	0.4107	0.81
138906	138907	IC.ENH	-6.3257	0.87
138755	139145	IC.ENH	1.9415	0.86
144586	145708	IC.ENH	0.4758	0.88
129817	129819	IC.HIA	-0.7219	0.86
137696	137697	IC.KMI	0.4374	0.85
137704	137712	IC.KMI	0.8203	0.81
137707	137712	IC.KMI	1.2929	0.82
136628	137966	IC.KMI	-2.3912	0.94
146170	146196	IC.KMI	12.8461	0.85
131722	131730	IC.LSA	0.0084	0.82
134927	135239	IC.LSA	1.1120	0.82
134939	135239	IC.LSA	-1.0939	0.89
134959	135239	IC.LSA	-6.0987	0.81
135015	135239	IC.LSA	-0.4556	0.83
100437	144521	IC.MDJ	-0.4082	0.90
100437	146161	IC.MDJ	-2.1217	0.88
144521	146161	IC.MDJ	-1.8783	0.88
132065	132066	IC.WMQ	9.3000	0.82
132065	132067	IC.WMQ	4.5753	0.83
132066	132067	IC.WMQ	-4.7113	0.91
135004	135005	IC.WMQ	0.1068	0.87

125113	125134	IC.XAN	4.2053	0.86
124961	125290	IC.XAN	-0.0588	0.87
126284	126306	IC.XAN	0.2369	0.87
126284	126311	IC.XAN	-0.1331	0.80
126306	126311	IC.XAN	-0.3657	0.83
126311	126352	IC.XAN	3.7545	0.81
126552	126634	IC.XAN	-0.1381	0.83
101481	127893	IC.XAN	0.6619	0.87
127884	127928	IC.XAN	0.1838	0.83
124291	128138	IC.XAN	-9.6883	0.87
128476	128489	IC.XAN	0.8838	0.80
126138	130303	IC.XAN	1.8107	0.82
127452	130821	IC.XAN	5.7692	0.83
126138	131161	IC.XAN	1.8806	0.83
130821	131341	IC.XAN	-5.8430	0.83
126345	131852	IC.XAN	0.4961	0.82
125945	133285	IC.XAN	-8.7120	0.82
130821	133516	IC.XAN	-5.8944	0.86
131341	133516	IC.XAN	-0.6910	0.81
127421	133839	IC.XAN	-0.9361	0.85
131831	134888	IC.XAN	-1.1286	0.86
124291	135096	IC.XAN	-7.6898	0.88
128138	135096	IC.XAN	-0.8728	0.90
133942	144320	IC.XAN	0.2757	0.81
100563	144915	IC.XAN	-7.6253	0.85
144586	145708	IC.XAN	1.3904	0.86
123748	123781	CD.LZH	-12.2871	0.82
137425	137426	CD.LZH	-0.0081	0.84
124201	124442	IU.CHTO	1.1273	0.82
124725	124728	IU.CHTO	-2.2935	0.86
125219	125318	IU.CHTO	-0.9134	0.88

125672	125831	IU.CHTO	-1.8476	0.86
124385	126370	IU.CHTO	-2.1722	0.82
125831	126641	IU.CHTO	4.5315	0.83
126644	126768	IU.CHTO	0.0213	0.81
126648	126768	IU.CHTO	-0.6034	0.83
126649	126768	IU.CHTO	-0.8735	0.80
126650	126768	IU.CHTO	-1.6872	0.82
125636	127357	IU.CHTO	8.7355	0.86
128262	128263	IU.CHTO	-1.1132	0.91
128846	128855	IU.CHTO	1.7553	0.87
128262	129067	IU.CHTO	2.2982	0.83
128263	129067	IU.CHTO	3.3649	0.88
128262	129069	IU.CHTO	-2.1898	0.83
128263	129069	IU.CHTO	-1.0697	0.83
132382	132385	IU.CHTO	0.4118	0.82
132382	132386	IU.CHTO	0.2675	0.85
132385	132386	IU.CHTO	-0.1420	0.87
136628	137965	IU.CHTO	-4.2905	0.91
136628	138102	IU.CHTO	-4.5539	0.85
137965	138102	IU.CHTO	0.2399	0.85
139907	139924	IU.CHTO	3.7484	0.93
139700	141301	IU.CHTO	-2.6550	0.84
143992	143994	IU.CHTO	-2.3951	0.87
143993	143994	IU.CHTO	-0.2037	0.89
100245	145078	IU.CHTO	-2.0047	0.88
145078	145472	IU.CHTO	1.4531	0.83
146170	146196	IU.CHTO	10.0446	0.93
124400	124412	CD.ENH	4.4204	0.92
130493	130517	CD.ENH	-2.9889	0.85
130527	130531	CD.ENH	-0.4042	0.85
111324	111329	CD.KMI	0.1087	0.90

119618	119628	CD.KMI	1.0466	0.93
124315	125366	CD.LSA	0.6122	0.82
120597	120598	CD.WMQ	0.6196	0.87
138906	138907	IC.BJT	-6.6344	0.86
135486	135500	IC.ENH	1.4417	0.91
137425	137426	IC.ENH	-0.0408	0.86
140067	140084	IC.ENH	204.1520	0.84
145600	145817	IC.MDJ	-0.4597	0.83
145601	145817	IC.MDJ	-0.6085	0.81
145601	145846	IC.MDJ	-0.4831	0.81
145816	145846	IC.MDJ	-0.2290	0.82
145817	145846	IC.MDJ	0.1524	0.80
100135	145928	IC.MDJ	-1.8725	0.83
101030	145944	IC.MDJ	1.8991	0.83
100135	145947	IC.MDJ	-1.4833	0.81
145928	145947	IC.MDJ	0.3821	0.89
145938	145964	IC.MDJ	0.5988	0.82
145906	146300	IC.MDJ	-0.3035	0.83
145943	146300	IC.MDJ	0.2111	0.87
145906	146303	IC.MDJ	0.0444	0.82
100502	100504	IC.WMQ	-6.1191	0.88
123778	123793	IC.XAN	-6.0989	0.89
124020	124329	IC.XAN	1.2979	0.89
124803	124830	IC.XAN	-0.2194	0.86
124832	124833	IC.XAN	-0.2324	0.96
124832	124834	IC.XAN	-0.0388	0.91
124833	124834	IC.XAN	0.2075	0.95
126401	126406	IC.XAN	0.0008	0.82
124999	127605	IC.XAN	0.8219	0.94
128089	128103	IC.XAN	1.2442	0.81
128102	128103	IC.XAN	0.6067	0.84

101215	131946	IC.XAN	0.7541	0.83
133505	133622	IC.XAN	-0.2439	0.91
134975	135583	IC.XAN	-3.3178	0.83
137380	137382	IC.XAN	-1.2445	0.80
143216	143219	IC.XAN	-1.1653	0.90
135308	135357	IU.ULN	4.8812	0.88
137380	137382	IU.ULN	-1.3480	0.88
123680	123712	IU.CHTO	-3.1034	0.82
123680	123790	IU.CHTO	-3.7278	0.81
123712	123790	IU.CHTO	-0.5581	0.80
124389	124456	IU.CHTO	-1.8519	0.82
126424	126444	IU.CHTO	-1.4129	0.84
126429	126444	IU.CHTO	-1.8178	0.82
129107	129108	IU.CHTO	6.9519	0.84
129108	129109	IU.CHTO	-1.0075	0.92
129107	129116	IU.CHTO	-1.0055	0.86
129108	129116	IU.CHTO	-8.0910	0.86
127068	129465	IU.CHTO	-1.8590	0.82
130482	130487	IU.CHTO	1.5922	0.82
130487	130500	IU.CHTO	-0.4783	0.93
130527	130531	IU.CHTO	-0.5597	0.84
130483	130535	IU.CHTO	-2.7121	0.87
130487	130544	IU.CHTO	-18.8177	0.89
130500	130544	IU.CHTO	-8.0343	0.92
130487	130557	IU.CHTO	5.0910	0.85
130500	130557	IU.CHTO	5.9667	0.86
130516	130610	IU.CHTO	4.8538	0.80
130601	130610	IU.CHTO	-3.2000	0.91
130483	130732	IU.CHTO	-2.1089	0.81
130535	130732	IU.CHTO	0.6031	0.89
131302	131313	IU.CHTO	0.2147	0.82

132538	132546	IU.CHTO	1.5994	0.88
132538	132608	IU.CHTO	0.2026	0.84
132546	132608	IU.CHTO	-1.3865	0.88
136341	136381	IU.CHTO	2.4980	0.91
137696	137697	IU.CHTO	0.3166	0.84
140973	141078	IU.CHTO	-0.7915	0.87
145806	146024	IU.CHTO	-6.7111	0.80
129299	129450	CD.ENH	6.4074	0.94
124315	125366	CD.WMQ	0.5575	0.86
100502	100504	G.WUS	-6.2959	0.87
135948	135967	IC.ENH	-0.1979	0.88
135948	136012	IC.ENH	0.3397	0.92
135967	136012	IC.ENH	0.5377	0.90
135981	136012	IC.ENH	0.5812	0.86
130288	131741	IC.HIA	-2.1512	0.89
145943	146300	IC.HIA	0.2430	0.88
145554	145592	IC.MDJ	6.7838	0.84
135087	135088	IC.WMQ	-2.3232	0.82
135088	135553	IC.WMQ	-0.8628	0.85
135093	136000	IC.WMQ	1.0817	0.83
142053	142241	IC.WMQ	-0.1257	0.83
142053	142368	IC.WMQ	0.5646	0.80
124400	124412	IC.XAN	4.7496	0.95
124402	124418	IC.XAN	0.3523	0.85
124412	124418	IC.XAN	-3.1726	0.81
124418	124431	IC.XAN	3.6651	0.80
124418	124434	IC.XAN	1.5909	0.81
124431	124434	IC.XAN	-2.1345	0.90
136572	136574	IC.XAN	-3.9010	0.90
136442	136638	IC.XAN	-33.4490	0.84
138374	138377	IC.XAN	4.0825	0.89

136690	138945	IC.XAN	7.2382	0.84
100349	139145	IC.XAN	12.5578	0.82
138755	139145	IC.XAN	1.9634	0.90
100349	139366	IC.XAN	5.6792	0.89
139145	139366	IC.XAN	-6.6705	0.86
136690	140075	IC.XAN	8.1623	0.86
138945	140075	IC.XAN	-1.9741	0.88
140067	140084	IC.XAN	-66.2510	0.85
142439	142932	IC.XAN	-6.9391	0.82
142512	142932	IC.XAN	-3.5272	0.80
142439	142932	IU.ULN	-7.3678	0.81
124576	124600	IU.CHTO	-2.1870	0.89
131216	131227	IU.CHTO	0.4634	0.87
131220	131242	IU.CHTO	0.8942	0.83
131265	131270	IU.CHTO	0.0741	0.84
131214	131273	IU.CHTO	0.1781	0.80
131234	131273	IU.CHTO	0.0738	0.86
131311	131314	IU.CHTO	3.0395	0.85
131312	131314	IU.CHTO	-1.4786	0.81
131314	131437	IU.CHTO	-4.0579	0.81
131223	131549	IU.CHTO	4.9339	0.82
131249	131549	IU.CHTO	6.4797	0.81
131360	131549	IU.CHTO	0.0225	0.82
131275	132863	IU.CHTO	2.9853	0.86
139688	139701	IU.CHTO	-10.3500	0.82
139911	139912	IU.CHTO	1.7000	0.91
140491	141160	IU.CHTO	9.6047	0.94
124317	124332	CD.ENH	-0.1584	0.93
124725	124759	CD.ENH	-1.7999	0.89
129754	129757	CD.ENH	3.5152	0.90
110245	110354	CD.KMI	-0.4225	0.91

127002	127057	IC.XAN	-7.6397	0.85
130487	130500	IC.XAN	-0.5196	0.81
130500	130544	IC.XAN	-7.5547	0.85
130500	130557	IC.XAN	6.0644	0.80
131265	131270	IC.XAN	-0.0162	0.82
127002	134996	IC.XAN	-8.4879	0.81
127057	134996	IC.XAN	-0.0104	0.87
135232	135531	IC.XAN	0.0262	0.83
135093	139233	IC.XAN	2.7552	0.90
100502	100504	IU.MAKZ	-6.2945	0.87
100502	100504	KZ.MAKZ	-6.2517	0.87
129166	129299	IU.CHTO	1.1735	0.83
129166	129450	IU.CHTO	8.0333	0.88
129299	129450	IU.CHTO	6.6575	0.94
132873	135669	IU.CHTO	-1.7361	0.82
137704	137712	IU.CHTO	0.8890	0.94
120597	120598	G.WUS	0.6437	0.93
124317	124332	IC.XAN	-0.1479	0.89
124725	124759	IC.XAN	-1.8302	0.88
125364	125366	IC.XAN	0.9155	0.81
128840	129293	IU.ULN	3.7280	0.88
138374	138377	II.TLY	4.2617	0.81
120625	125362	CD.WMQ	-2.1158	0.81
129754	129757	IC.XAN	3.4798	0.84
135093	139233	IU.ULN	2.7436	0.92
100128	145817	IU.ULN	-0.6024	0.85
100128	145898	IU.ULN	0.4552	0.88
145817	145898	IU.ULN	1.0572	0.81
145909	145928	IU.ULN	-3.1523	0.85
120597	120598	II.TLY	0.6033	0.93
127521	127522	IU.YAK	20.5595	1.00

120300	120306	II.TLY	1.6237	0.88
124315	125366	II.TLY	0.5522	0.81
131544	131547	II.AAK	6.9554	0.92
131544	131597	II.AAK	-6.3848	0.91
131547	131597	II.AAK	-14.2500	0.90
131544	131601	II.AAK	5.1681	0.93
131547	131601	II.AAK	-1.9427	0.91
131597	131601	II.AAK	11.5976	0.92
116378	119897	CD.KMI	0.1022	0.80
139084	139085	IC.ENH	27.9500	1.00
100128	145898	II.TLY	0.4588	0.91
100135	145909	II.TLY	0.9232	0.81