

Supplement material for: Earthquake Moment Magnitudes from Peak Ground Displacements and Synthetic Green's Functions

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S.1 Far field pulses and source spectra of the circular rupture model

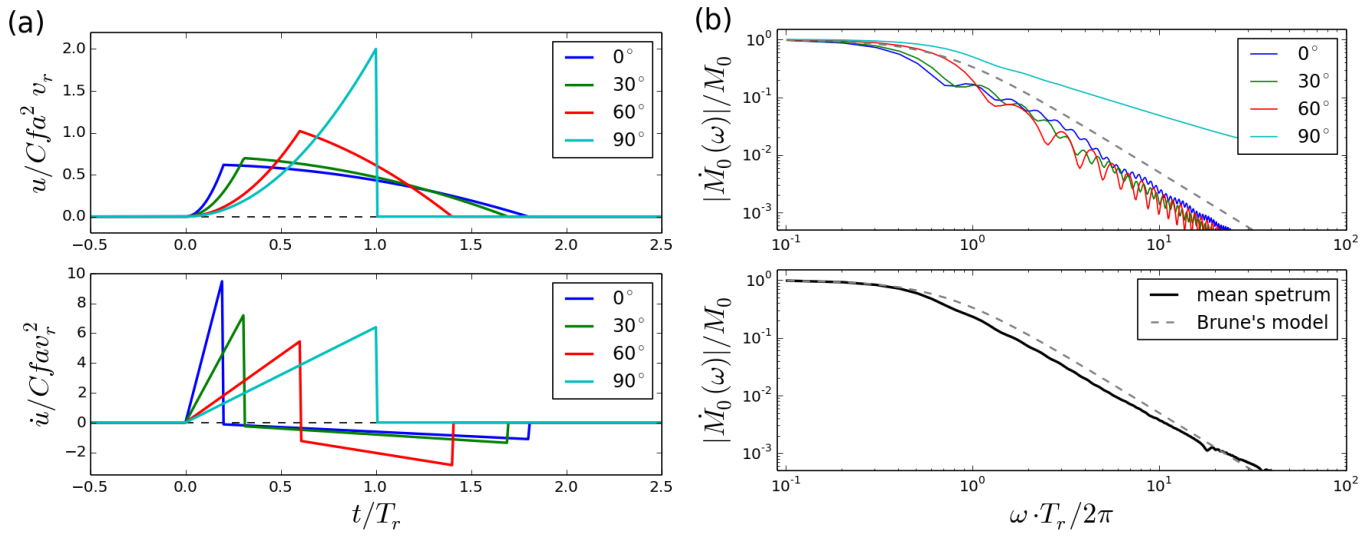


Figure S.1 (a) Displacement (up) and velocity pulses (down, both normalized for geometrical spreading and radiation) of the circular rupture model for different angles ϑ . (b) The normalized amplitude spectra of the associated apparent moment rate functions. The upper panel shows spectra for specific values of ϑ , while the lower shows the mean spectrum (black) in comparison with the Brune's spectrum (dashed, gray) assuming an effective rise time of $1.5 \cdot T_r$, where T_r is the rupture time. Figures are from Dahm (2022): *Earthquake sources and rupture processes in seismology and volcanology*. Lecture Notes, University of Potsdam.

S.2 Relations between conventional magnitude scales

The synthetic data peak ground displacement (PGD) amplitude approach is not restricted to micro-earthquakes and can be used equivalently to simulate relations between teleseismic magnitudes M_X and M_W . The scaling between magnitude scales has been studied, for example, by Kanamori (1983). The definitions of various magnitude scales is given, for example, in Bormann et al. (2013). In Fig. S.2 we show the relationships between the M_L , the surface wave magnitude M_S , the broadband magnitude m_B and M_W . The Green function database were taken from the Pyrocko Green's Mill project from <https://greens-mill.pyrocko.org> (see Heimann et al., 2019). The good agreement with the relations estimated from observations and independent moment determinations (see Fig. 4 in Kanamori, 1983) confirms the validity of the theoretical approach beyond the application to M_L of micro-earthquakes. The following

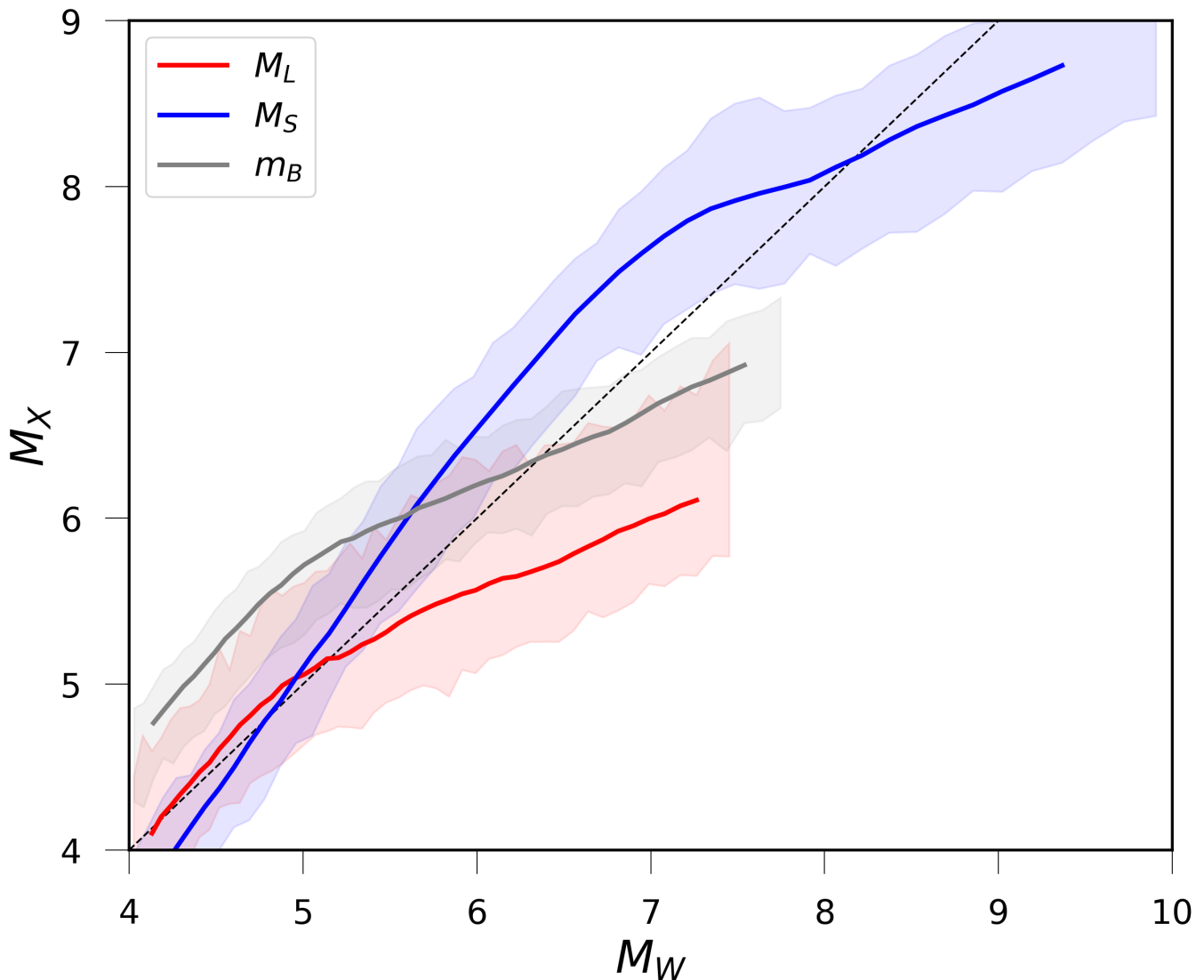


Figure S.2 Predicted relations between various magnitude scales in the range from M_W 4 to 9.5. 15% percentiles are plotted by transparent regions.

parameter were used to extract PGD from synthetic data:

M_L -scale:

- distance between 30 km and 1000 km

- depth between 5 km and 30 km
- stress drop between 1 MPa and 10 MPa
- rupture velocity between 2.25 km/s and 3.24 km/s
- frequency between 0.05 Hz and 1 Hz
- Green function database *crust2_dd*

M_S-scale:

- distance at about 10500 km
- depth between 9 km and 30 km
- stress drop between 1 MPa and 10 MPa
- rupture velocity between 2.7 km/s and 4 km/s
- frequency between 0.033 Hz and 4 Hz
- Green function database *global_2s*

m_B-scale:

- distance between 220 km and 16000 km
- depth between 1 km and 3 km
- stress drop between 1 MPa and 10 MPa
- rupture velocity between 2.25 km/s and 3.24 km/s
- frequency between 0.04 Hz and 0.24 Hz
- Green function database *TXAR_Q2_T6*

S.3 Example script how to extract peak amplitudes using python and pyrocko tools

```

48
49 from pyrocko import io
50
51
52 # Here a seismic catalog and seismic stations are chosen
53 file_catalog = 'events.pf'
54 file_stations = 'stations.pf'
55 events = model.load(file_catalog)
56 stations = model.load_stations(file_stations)
57
58 # Bandpasses are defined, here three ranges: 0.5-2.0 Hz, 1.0-3.0 Hz, 1.5-4.0 Hz
59 f1corners = [0.5, 1.0, 1.5]
60 f2corners = [2.0, 3.0, 4.0]
61 nbandpasses = len(f1corners)
62
63 # List of peak amplitudes are initialised
64 maxampls = []
65 maxnoiseampls = []
66
67 # Looping over events, stations and seismogram components
68 for ev in events:
69     for istat, station in enumerate(stations):
70         for component in ['Z', 'R', 'T']:
71             # Here it is assumed restituted displacement waveforms are stored
72             # as miniSEED files with proper namings.
73             # Data should be available for the earthquake waveforms
74             # (i.e. tapered to include the full waveforms,
75             # starting short before the P phase and ending after S and eventual
76             # surface waves), as well as for seismic noise sample at the time
77             # of the event (for this purpose we used 6s long seismic recordings
78             # ending at the event origin time)
79             displfilename = 'DISPL.' + station.network + '.' + \
80                 station.station + '.' + station.location + \
81                 '.' + component
82             tracefilename = os.path.join('data', ev.name, 'prepared',
83                 displfilename)
84             noisetracefilename = os.path.join('data', 'noise_' + ev.name,
85                 'prepared', displfilename)
86
87
88             if os.path.isfile(tracefilename):
89                 # Here waveforms will be saved as pyrocko trace objects:
90                 # https://pyrocko.org/docs/current/library/reference/pyrocko.trace.html
91                 traces = io.load(tracefilename)
92                 tr = traces[0]
93                 noisetraaces = io.load(noisetracefilename)
94                 noisetr = noisetraaces[0]
95
96                 # Waveform processing is here performed using the pyrocko
97                 # library for trace objects
98                 for irun in range(nbandpasses):
99                     # Corner frequencies are selected
100                     fmin = f1corners[irun]
101                     fmax = f2corners[irun]

```

```

102         # A bandpass is applied to data
103         # (Butterworth filter, here with order 4)
104         tr.lowpass(4, fmax)
105         tr.highpass(4, fmin)
106         # The same bandpass is applied to noise data
107         noisetr.lowpass(4, fmax)
108         noisetr.highpass(4, fmin)
109         # Peak amplitudes are here extracted and saved in nm,
110         # while the original miniSEED waveforms were given in m.
111         maxampl = 1.e9 * max(abs(tr.ydata))
112         maxamplnoise = 1.e9 * max(abs(noisetr.ydata))
113         maxampls.append(maxampl)
114         maxnoiseampls.append(maxamplnoise)
115
116     # As a result, signal and noise peak amplitudes are stored, respectively,
117     # in the lists maxampls and maxnoiseampls
118
119

```

120 **S.4 Catalogue of moment tensors for the coal mining induced earthquake analysis** 121 **in HAMM, Germany**

122 The catalogue reports for 1,133 earthquakes the following source parameters: event identifier, date, time, latitude,
123 longitude, depth (in km), M_L and M_W magnitudes, and 6 moment tensor components using a North-East-Vertical
124 Down convention). M_L magnitudes are defined according to the HAMNET catalog ([Bischoff et al., 2010](#)), while M_W
125 magnitudes following moment tensor inversion ([Sen et al., 2013](#)). The catalogue is also available for download as
126 ascii file.

Table 1 Subset of HAMNET earthquake catalogue with 1,133 earthquakes for which both local magnitude and moment magnitudes are available.

EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{hd}	M _{ed}
e0107.196.06	2006-07-15	17:21:20.294	51.65769	7.73671	1249	1.4	1.5	3.78680e+10	9.04692e+10	-1.28337e+11	-7.78594e+10	1.28061e+11	-6.5087e+10
e0099.221.06	2006-08-09	17:41:21.749	51.65502	7.73620	1229	0.6	0.9	1.35834e+10	1.01280e+10	-2.37114e+10	1.19877e+10	7.34305e+09	2.94507e+09
e0068.226.06	2006-08-14	13:05:48.963	51.65489	7.73689	1151	1.2	1.4	2.30938e+10	1.12605e+11	-1.33699e+11	-5.81799e+10	2.48983e+10	1.15774e+10
e0183.226.06	2006-08-14	20:13:49.490	51.65487	7.73666	1000	0.2	0.4	-2.32731e+09	3.53823e+09	-1.21097e+09	2.39240e+09	2.12392e+09	-9.15352e+07
e0296.229.06	2006-08-17	18:57:11.969	51.65490	7.73654	1175	-0.0	0.4	2.58678e+09	1.58768e+09	-417746e+09	0.60234e+09	1.42012e+09	6.02909e+08
e0300.229.06	2006-08-17	21:20:47.117	51.65440	7.73723	1173	0.0	0.5	2.91284e+09	3.25510e+09	-6.16793e+09	3.08397e+09	1.02503e+09	8.29053e+08
e0309.230.06	2006-08-18	06:08:42.312	51.65472	7.73719	1120	0.8	1.0	1.96360e+10	1.30815e+10	-3.27175e+10	1.63194e+10	1.21186e+10	5.67245e+09
e0397.232.06	2006-08-20	15:12:58.823	51.65484	7.73687	1188	-0.0	0.4	2.16165e+09	1.9945e+09	-4.1560e+09	1.42283e+09	1.42283e+09	6.25703e+08
e0401.232.06	2006-08-20	15:55:55.396	51.65517	7.73686	1210	-0.0	0.4	2.26580e+09	1.94911e+09	-4.21491e+09	2.20898e+09	1.28881e+09	2.50602e+08
e0463.234.06	2006-08-22	12:14:17.259	51.65491	7.73684	1172	-0.0	0.4	2.37651e+09	1.78966e+09	-4.16617e+09	2.10997e+09	1.42122e+09	6.13978e+08
e0500.236.06	2006-08-24	09:32:09.726	51.65502	7.73698	1144	0.6	0.8	9.61628e+09	1.71010e+09	-1.67864e+09	8.4868e+09	5.19848e+09	2.08495e+09
e0593.238.06	2006-08-26	23:17:08.378	51.65580	7.73936	1075	-0.0	0.5	4.49359e+09	1.75458e+09	-6.24817e+09	-2.80791e+09	7.44690e+08	-4.65334e+08
e0606.239.06	2006-08-27	01:07:08.079	51.65461	7.73632	1132	1.3	1.5	-3.11696e+10	-1.59173e+11	1.90343e+11	8.23305e+10	-3.53832e+10	-2.25396e+10
e0609.239.06	2006-08-27	01:07:08.091	51.65460	7.73642	1074	1.3	1.5	5.11989e+10	1.39517e+11	-1.90746e+11	-9.3887e+10	4.03985e+10	1.11420e+10
e0622.239.06	2006-08-27	09:31:58.752	51.65476	7.73771	1000	0.3	0.6	7.77844e+09	6.97941e+08	-8.47638e+09	3.02965e+09	-1.12490e+09	1.60264e+09
e0651.240.06	2006-08-28	19:12:11.430	51.65359	7.73842	1171	0.4	0.4	4.14794e+08	2.20715e+09	-2.62194e+09	9.8231e+08	-1.10660e+09	-3.45370e+09
e0687.241.06	2006-08-29	22:40:45.186	51.65330	7.73827	1090	0.4	0.4	3.57812e+08	2.00601e+09	-2.36382e+09	8.76511e+08	-1.10770e+09	-3.61766e+09
e0714.243.06	2006-08-31	05:00:48.054	51.65745	7.73923	1137	0.7	0.9	1.90974e+10	2.74425e+09	-2.18417e+10	8.14782e+09	-1.18211e+10	-4.23517e+08
e0722.243.06	2006-08-31	22:10:25.973	51.65461	7.73772	1077	0.2	0.4	2.03406e+07	1.92216e+09	-1.92216e+09	8.30468e+08	1.91729e+08	-3.94100e+09
e0006.244.06	2006-09-01	15:26:06.582	51.65499	7.73795	1000	0.7	0.7	5.49929e+08	5.62905e+09	-6.17898e+09	2.91193e+09	-5.00381e+08	-1.07087e+10
e0009.244.06	2006-09-01	17:55:07.418	51.65264	7.73943	1000	0.2	0.3	3.69396e+08	1.25658e+09	-1.62597e+09	1.00248e+09	-3.34747e+08	-2.58908e+09
e0021.245.06	2006-09-01	22:48:23.755	51.65451	7.73713	1039	1.3	1.0	-3.72107e+09	1.44044e+10	-1.06833e+10	2.92347e+09	1.18852e+10	-3.06820e+10
e0026.245.06	2006-09-02	06:15:39.469	51.65354	7.73789	1120	0.1	0.3	4.75194e+08	6.94832e+08	-1.17003e+09	7.52321e+08	9.49681e+08	2.73740e+09
e0027.245.06	2006-09-02	09:26:08.410	51.65327	7.73781	1000	0.8	0.7	6.70582e+09	6.70582e+09	-7.91538e+09	3.76308e+09	-9.21163e+08	-9.43069e+09
e0030.245.06	2006-09-02	19:01:51.117	51.65489	7.73746	1150	-0.0	0.4	2.06046e+09	1.40598e+09	-3.46644e+09	1.83929e+09	2.53356e+09	1.01561e+09
e0033.245.06	2006-09-02	20:36:54.079	51.65392	7.73875	1000	0.4	0.6	1.21404e+09	3.30250e+09	-4.51654e+09	3.20679e+09	-8.00230e+08	-7.21936e+09
e0034.245.06	2006-09-02	20:48:01.470	51.65553	7.73619	1104	0.2	0.6	6.32608e+09	1.63798e+09	-7.96406e+09	4.27768e+09	-2.16261e+09	1.84204e+09
e0041.246.06	2006-09-03	00:21:03.494	51.65342	7.73839	1176	1.0	0.8	2.24210e+09	8.62447e+09	-1.08666e+10	4.85137e+09	-3.62696e+09	-1.34459e+10
e0050.246.06	2006-09-03	06:01:06.188	51.65439	7.73787	1234	0.0	0.4	1.79758e+09	1.79559e+09	-3.59317e+09	2.03423e+09	2.33874e+09	8.13400e+08
e0057.246.06	2006-09-03	16:17:36.241	51.65386	7.73819	1000	0.8	0.6	1.14384e+08	1.43302e+09	-1.54741e+09	4.33304e+08	1.66119e+09	8.61712e+09
e0062.246.06	2006-09-03	23:14:39.650	51.65344	7.73828	1172	0.5	0.5	2.70163e+09	6.13863e+08	-3.31549e+09	2.43255e+09	-1.99081e+09	-4.53829e+09
e0063.246.06	2006-09-03	23:27:20.915	51.65556	7.73722	1060	0.3	0.5	5.19235e+09	5.75949e+08	-5.76830e+09	2.22939e+09	-2.01107e+09	7.16469e+08
e0066.246.06	2006-09-03	23:53:38.113	51.65525	7.73735	1059	-0.0	0.3	3.73411e+08	2.42472e+09	-2.79813e+09	-1.37083e+09	6.08933e+08	9.08797e+08
e0073.247.06	2006-09-04	01:13:43.216	51.65481	7.73802	1000	0.6	0.6	5.40385e+08	4.09575e+09	-4.63614e+09	2.21033e+09	-5.68393e+08	-7.41240e+09
e0075.247.06	2006-09-04	01:30:53.712	51.65494	7.73719	1141	0.2	0.5	3.19857e+09	2.56200e+09	-5.76057e+09	2.86806e+09	2.04182e+09	1.56733e+09
e0114.248.06	2006-09-05	02:45:17.935	51.65339	7.73871	1169	0.8	0.6	2.27084e+09	3.46177e+09	-5.73261e+09	3.62230e+09	-1.45972e+09	-6.25933e+09
e0118.248.06	2006-09-05	09:32:36.741	51.65381	7.73768	1000	1.1	0.8	-1.717177e+08	2.02945e+09	-1.85768e+09	1.88387e+08	3.70653e+09	1.72816e+10
e0140.249.06	2006-09-06	12:10:57.495	51.65473	7.73790	1000	0.9	0.8	3.65422e+08	8.9500e+09	-1.02604e+10	3.74562e+09	3.07992e+08	-1.41578e+10
e0145.249.06	2006-09-06	19:46:03.945	51.65336	7.73858	1006	0.0	0.2	5.048594e+08	1.48816e+09	-1.99276e+09	9.64003e+08	-4.57108e+07	-9.27535e+08
e0155.250.06	2006-09-07	03:31:58.372	51.65493	7.73772	1000	1.5	1.2	-5.66567e+09	2.78037e+09	-7.23834e+09	-1.19560e+10	1.50720e+10	6.72031e+10
e0159.250.06	2006-09-07	12:32:18.018	51.65493	7.73782	1100	1.4	1.1	2.37824e+09	2.78037e+09	-3.01819e+10	1.27748e+10	-6.64121e+08	-3.87740e+10
e0163.250.06	2006-09-07	15:48:46.683	51.65457	7.73785	1000	1.6	1.5	1.38864e+11	5.76338e+10	-1.96502e+11	9.18135e+10	-4.35723e+09	-2.74375e+10
e0177.250.06	2006-09-07	21:18:05.648	51.65334	7.73888	1095	0.4	0.6	1.69058e+09	5.87385e+09	-7.56444e+09	3.79003e+09	1.07603e+08	-4.21502e+09
e0193.251.06	2006-09-08	13:00:38.445	51.65351	7.73739	1060	0.9	0.8	-1.05902e+06	2.45644e+09	-2.45644e+09	-2.16190e+09	1.51175e+08	1.74785e+10
e0198.251.06	2006-09-08	20:38:03.342	51.65572	7.73562	1054	0.3	0.5	5.66761e+09	3.38520e+08	-6.00613e+09	1.90825e+09	-9.58748e+08	1.04650e+09

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0199.251.06	2006-09-08	20:48:50.458	51.65487	7.75791	1112	1.3	1.1	9.11132e+09	2.34283e+10	-3.25398e+10	1.84823e+10	-6.41077e+09	-3.58304e+10
e0202.252.06	2006-09-09	01:58:10.051	51.65233	7.73755	1044	0.8	0.6	-4.95274e+08	1.72886e+09	-1.23359e+09	-8.61200e+07	3.90618e+09	7.86061e+09
e0222.253.06	2006-09-10	00:11:09.043	51.65504	7.73756	1151	0.1	0.6	4.24702e+09	2.56751e+09	-6.81454e+09	3.82881e+09	5.24825e+09	1.30204e+09
e0239.253.06	2006-09-10	07:39:06.966	51.65347	7.7892	1112	0.4	0.5	1.18804e+09	4.20541e+09	-5.39345e+09	2.78033e+09	3.17173e+08	-2.80834e+09
e0243.253.06	2006-09-10	18:11:02.032	51.65572	7.73763	1000	0.2	0.3	1.26627e+09	2.19575e+09	-2.48584e+09	1.25842e+09	-1.20118e+09	-1.52920e+09
e0244.253.06	2006-09-10	20:23:12.527	51.65365	7.7873	1085	0.4	0.4	5.11544e+08	2.61928e+09	-3.13082e+09	1.48169e+09	-2.44565e+08	-3.03896e+09
e0251.253.06	2006-09-10	23:39:32.514	51.65507	7.75789	1133	1.8	1.5	-6.04222e+09	9.28568e+10	-8.68146e+10	5.41109e+08	4.83687e+10	-1.71386e+11
e0254.254.06	2006-09-11	02:48:57.368	51.65449	7.73895	948	0.4	0.3	1.09679e+09	5.78958e+08	-1.67575e+09	7.96867e+08	-2.16959e+09	-1.57630e+09
e0258.254.06	2006-09-11	10:31:25.768	51.65378	7.7862	1102	0.7	0.6	1.39733e+09	5.28085e+09	-6.67818e+09	3.19366e+09	-7.91797e+08	-5.60244e+09
e0261.254.06	2006-09-11	11:56:41.123	51.65491	7.75788	1097	1.3	1.1	8.84128e+09	1.70369e+10	-2.58782e+10	1.63731e+10	-9.84204e+09	-4.03471e+10
e0266.254.06	2006-09-11	14:48:28.493	51.65486	7.73784	974	0.6	1.0	3.46530e+10	-3.38819e+10	-7.71105e+08	5.20332e+09	-3.44239e+09	-6.72863e+09
e0267.254.06	2006-09-11	17:05:56.699	51.65557	7.73795	939	0.5	0.4	1.06509e+09	6.01848e+08	-1.66694e+09	8.47168e+08	-2.59512e+09	-3.20831e+09
e0274.254.06	2006-09-11	20:04:36.456	51.65394	7.7865	1018	0.3	0.3	6.79041e+08	6.08978e+08	-1.28602e+09	6.44264e+08	-2.18746e+09	-1.88633e+09
e0279.255.06	2006-09-11	21:28:54.343	51.65352	7.73716	1118	1.1	0.9	6.18369e+08	2.87271e+09	-3.49108e+09	1.86982e+09	4.64974e+09	2.44014e+10
e0280.254.06	2006-09-11	22:44:10.139	51.65512	7.73783	1084	0.7	0.9	1.32158e+10	9.64410e+09	-2.28599e+10	1.14379e+10	8.9493e+09	5.01778e+09
e0291.255.06	2006-09-12	01:30:16.116	51.65521	7.73777	1104	0.6	1.0	1.74614e+10	1.49080e+10	-3.23694e+10	1.62092e+10	1.16902e+10	8.48896e+09
e0293.255.06	2006-09-12	01:19:11.601	51.65507	7.73812	1169	0.4	0.7	6.67525e+09	5.08998e+09	-1.17652e+10	5.92780e+09	3.90802e+09	1.90637e+09
e0294.255.06	2006-09-12	01:20:56.089	51.65522	7.73795	1104	0.4	0.7	7.10982e+09	4.54674e+09	-1.16566e+10	5.71182e+09	4.02667e+09	2.47014e+09
e0302.255.06	2006-09-12	03:24:46.463	51.65520	7.73792	1124	1.5	1.3	4.32985e+10	4.02179e+10	-8.35164e+10	4.44077e+10	-2.38639e+10	-4.71684e+10
e0303.255.06	2006-09-12	04:55:13.768	51.65502	7.73846	1059	0.6	0.8	9.29278e+09	7.07225e+09	-1.63650e+10	8.30354e+09	6.11125e+09	2.79972e+09
e0308.255.06	2006-09-12	08:03:50.048	51.65508	7.73818	1104	0.6	0.8	9.72058e+09	6.89824e+09	-1.66188e+10	8.32907e+09	5.56638e+09	2.59607e+09
e0313.255.06	2006-09-12	20:27:50.693	51.65341	7.7890	1000	0.6	0.6	8.81204e+08	9.67297e+08	-1.84850e+09	-1.11116e+09	-3.89023e+09	7.77815e+09
e0334.256.06	2006-09-13	13:52:22.021	51.65453	7.73921	1056	1.1	0.9	2.36208e+09	9.71082e+09	-1.20729e+10	8.22582e+09	-1.50126e+09	-2.09338e+10
e0336.256.06	2006-09-13	19:00:05.657	51.65325	7.73760	1063	0.6	0.5	7.04480e+08	1.03441e+09	-6.15325e+09	3.60388e+08	3.55207e+09	4.91507e+09
e0342.257.06	2006-09-14	13:25:11.717	51.65444	7.73912	1012	1.0	0.9	1.56213e+10	5.22361e+08	-1.61436e+10	2.88611e+09	-1.90258e+10	-2.86159e+09
e0366.258.06	2006-09-15	20:40:39.308	51.65549	7.73745	1072	0.8	0.7	6.30822e+09	2.74221e+09	-9.05043e+09	4.1767e+09	-6.96982e+09	-5.27607e+09
e0390.259.06	2006-09-16	22:20:24.154	51.65484	7.73943	1000	0.1	0.2	1.65454e+09	3.90327e+08	-2.04486e+09	8.04290e+08	-8.34124e+08	-3.65479e+08
e0421.260.06	2006-09-17	03:36:54.772	51.65514	7.73830	1114	0.2	0.3	6.40898e+08	1.36675e+09	-2.00765e+09	1.04501e+09	-7.79128e+08	-2.8853e+09
e0435.260.06	2006-09-17	11:32:02.859	51.65416	7.73913	1152	0.1	0.5	2.35699e+09	2.59610e+09	-4.95309e+09	2.52255e+09	2.19251e+09	3.15784e+09
e0439.260.06	2006-09-17	13:07:22.284	51.65499	7.73833	1209	0.1	0.5	2.03070e+09	2.79672e+09	-4.85679e+09	2.40148e+09	2.91386e+09	2.81650e+09
e0442.260.06	2006-09-17	13:18:36.756	51.65462	7.73805	876	0.1	0.4	-2.47048e+09	3.68618e+09	-1.21569e+09	2.32521e+09	1.91050e+09	-5.38115e+08
e0447.260.06	2006-09-17	14:21:14.726	51.65499	7.73846	1133	0.4	0.7	6.23517e+09	4.24497e+09	-1.04801e+10	5.55717e+09	6.29224e+09	2.15632e+09
e0448.260.06	2006-09-17	14:22:57.978	51.65541	7.73768	1093	0.1	0.5	5.44888e+09	3.97689e+08	-5.84657e+09	1.48334e+09	-2.22295e+09	-8.08385e+08
e0453.260.06	2006-09-17	17:44:49.422	51.65499	7.73836	1127	0.5	0.8	9.72058e+09	6.89824e+09	-1.66188e+10	8.32907e+09	5.56638e+09	2.59607e+09
e0462.261.06	2006-09-18	00:19:20.401	51.65376	7.73926	1083	0.4	0.4	6.45248e+08	3.03381e+09	-3.47942e+10	1.63473e+10	-3.09028e+10	-1.83376e+10
e0467.261.06	2006-09-18	00:21:13.766	51.65526	7.73812	1116	0.1	0.4	1.39935e+09	2.58748e+09	-3.98682e+09	2.38998e+09	1.26134e+09	6.12877e+08
e0472.261.06	2006-09-18	01:02:38.184	51.65430	7.73851	1058	0.8	0.7	1.69909e+09	5.85298e+09	-7.55207e+09	4.13699e+09	-1.44386e+09	-9.60213e+09
e0483.261.06	2006-09-18	01:58:17.232	51.65524	7.73813	1172	0.1	0.4	1.67276e+09	1.64624e+09	-1.14952e+10	6.02085e+09	4.50562e+09	1.66253e+09
e0492.261.06	2006-09-18	02:51:37.739	51.65482	7.73893	1102	0.4	0.7	6.01035e+09	5.48487e+09	-1.14952e+10	6.02085e+09	4.50562e+09	1.66253e+09
e0506.261.06	2006-09-18	04:33:26.938	51.65464	7.73868	1000	0.2	0.3	1.74939e+09	6.59784e+08	-2.40917e+09	1.11533e+09	-1.1533e+09	-7.27732e+08
e0507.261.06	2006-09-18	07:29:41.475	51.65493	7.73863	1079	1.8	1.4	-6.90463e+09	5.88470e+10	-5.19424e+10	1.71388e+10	2.51910e+10	-1.26175e+11
e0517.261.06	2006-09-18	20:28:18.942	51.65432	7.73929	1171	0.5	0.6	8.15576e+09	-2.33331e+09	-5.8246e+09	-1.01750e+09	3.33373e+09	3.78852e+09
e0550.263.06	2006-09-20	15:45:47.394	51.65386	7.74021	1000	0.9	0.8	1.52365e+09	1.12727e+10	-1.28009e+10	6.8960e+09	1.24221e+09	-1.09744e+10
e0559.263.06	2006-09-20	22:56:49.146	51.65532	7.73825	1039	0.7	0.7	1.30380e+09	6.66548e+09	-7.96928e+09	3.59311e+09	-1.40793e+09	-9.42219e+09
e0579.264.06	2006-09-21	18:59:12.982	51.65515	7.73840	1118	0.2	0.6	4.57891e+09	3.75023e+09	-8.32914e+09	4.21359e+09	2.74269e+09	1.39769e+09

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0572.264.06	2006-09-21	19:22:23.983	51.65523	7.78334	1000	0.1	0.4	3.30370e+09	1.00671e+09	-4.31041e+09	1.86044e+09	-7.30226e+08	-8.39282e+08
e0577.264.06	2006-09-21	23:49:41.504	51.65384	7.73952	1116	1.0	0.9	3.92959e+09	1.56790e+10	-1.96086e+10	1.16318e+10	2.33290e+09	-1.29356e+10
e0590.265.06	2006-09-22	11:44:28.184	51.65610	7.73677	1020	1.7	1.4	3.15232e+10	1.02977e+11	-1.34460e+11	5.90881e+10	-3.22340e+10	-2.42838e+10
e0591.265.06	2006-09-22	11:44:51.587	51.65553	7.73836	1074	1.4	1.5	1.50163e+11	4.02043e+10	-1.90367e+11	8.00895e+10	-5.60941e+10	-6.88039e+09
e0592.265.06	2006-09-22	11:58:45.363	51.65519	7.73853	1156	0.0	0.4	2.19099e+09	2.02556e+09	-4.21653e+09	2.15219e+09	1.27660e+09	5.91338e+08
e0599.265.06	2006-09-22	19:17:26.202	51.65423	7.73904	1069	0.0	0.4	1.63209e+09	2.42621e+09	-4.05830e+09	2.02809e+09	7.79958e+08	-1.64017e+09
e0623.266.06	2006-09-23	06:00:02.750	51.65588	7.73718	952	0.4	0.4	1.03081e+09	1.42112e+09	-2.45193e+09	1.45919e+09	-3.21482e+09	-1.71500e+09
e0637.267.06	2006-09-23	18:27:06.139	51.65329	7.73796	1319	0.3	0.5	1.72546e+09	2.52415e+09	-4.24961e+09	3.20772e+09	-8.15325e+07	-3.97627e+09
e0677.267.06	2006-09-24	06:22:36.049	51.65528	7.73802	1099	1.3	1.3	6.49307e+10	2.73120e+10	-9.22428e+10	4.49187e+10	-1.70902e+10	-3.09014e+10
e0684.267.06	2006-09-24	10:14:24.590	51.65467	7.73988	1196	0.1	0.4	3.55421e+09	-6.85540e+07	-3.48566e+09	2.61807e+08	-2.59219e+09	-8.78143e+08
e0706.268.06	2006-09-25	03:07:22.041	51.65368	7.73959	1000	0.8	0.7	1.99676e+09	8.57485e+09	-1.05716e+10	5.31429e+09	6.87840e+08	-5.92788e+09
e0720.268.06	2006-09-25	12:16:21.456	51.65536	7.73817	1071	1.4	1.3	7.21387e+10	-3.79994e+08	-7.17588e+10	3.71732e+09	-6.82429e+10	-1.23433e+10
e0732.268.06	2006-09-25	18:39:48.608	51.65512	7.73845	999	1.3	1.0	3.44000e+09	2.06688e+10	-2.41088e+10	1.08574e+10	-2.05093e+09	-2.50340e+10
e0750.268.06	2006-09-25	21:34:56.364	51.65572	7.73785	1000	1.6	1.2	2.34564e+10	1.63374e+10	-3.97938e+10	2.77020e+10	-5.38698e+10	-1.17842e+10
e0751.268.06	2006-09-25	21:37:25.930	51.65557	7.73703	1000	0.4	0.7	1.19297e+10	-1.13592e+10	-5.70423e+08	2.34284e+09	-1.97285e+09	-3.64293e+09
e0769.269.06	2006-09-26	06:16:43.366	51.65529	7.73789	980	1.7	1.4	7.32068e+10	1.37445e+10	-8.69512e+10	3.18060e+10	-1.00526e+11	-4.77617e+10
e0775.269.06	2006-09-26	10:29:59.869	51.65601	7.73805	1000	1.4	1.4	1.04345e+11	1.61252e+10	-1.20470e+11	5.16198e+10	-6.64709e+10	6.26114e+09
e0784.269.06	2006-09-26	11:35:36.808	51.65377	7.73945	1134	0.9	0.9	6.73741e+09	1.50867e+10	-2.18241e+10	1.20010e+10	6.49306e+08	-1.05766e+10
e0784.269.06	2006-09-26	13:13:58.085	51.65473	7.73857	1034	0.1	0.3	1.22159e+09	1.66025e+09	-2.88185e+09	1.43610e+09	-6.76228e+08	-1.09702e+09
e0786.269.06	2006-09-26	15:38:48.581	51.65393	7.73946	1092	0.3	0.5	3.70342e+09	2.01770e+09	-5.72112e+09	2.80861e+09	-1.57729e+09	-2.04348e+09
e0788.269.06	2006-09-26	16:10:03.921	51.65309	7.74069	1000	0.3	0.4	6.12353e+08	2.43598e+09	-3.04834e+09	2.34974e+09	6.38080e+08	-2.49470e+09
e0789.269.06	2006-09-26	18:48:10.519	51.65534	7.73851	1078	1.2	1.2	3.13325e+09	3.91576e+10	-4.22908e+10	1.96195e+10	8.36988e+08	-5.44098e+10
e0804.269.06	2006-09-26	23:55:51.027	51.65482	7.73863	1218	0.3	0.5	3.00528e+09	-4.53596e+09	-4.53596e+09	2.15453e+09	-3.72051e+09	-2.31354e+09
e0807.270.06	2006-09-27	00:15:51.382	51.65406	7.73990	1099	1.0	0.9	7.35616e+09	1.42340e+10	-2.15902e+10	1.17790e+10	-3.36329e+08	-1.12213e+10
e0808.270.06	2006-09-27	00:24:05.303	51.65561	7.73750	1047	-0.0	0.4	1.44424e+09	2.56808e+09	-4.01232e+09	1.93039e+09	-1.05478e+09	-1.65041e+09
e0814.270.06	2006-09-27	04:51:54.456	51.65433	7.73962	1129	0.7	0.6	4.37264e+09	2.40385e+09	-6.77649e+09	3.38824e+09	-3.69413e+09	-4.34530e+09
e0823.270.06	2006-09-27	11:34:30.637	51.65380	7.74024	1000	0.9	1.0	2.68974e+10	1.01191e+10	-3.38165e+10	1.66815e+10	-1.68131e+09	-8.66636e+09
e0828.270.06	2006-09-27	15:47:11.713	51.65762	7.73674	1164	-0.0	0.4	2.99815e+09	9.40721e+08	-3.93887e+09	2.15709e+09	1.49077e+09	-6.18790e+08
e0831.270.06	2006-09-27	16:22:38.311	51.65400	7.74015	1153	0.7	0.7	3.05876e+09	6.92216e+09	-9.98092e+09	5.63339e+09	-5.57935e+08	-6.92802e+09
e0832.270.06	2006-09-27	16:46:21.270	51.65615	7.73736	1000	0.2	0.3	1.28731e+09	1.26947e+09	-2.55678e+09	1.28213e+09	-1.23024e+09	-1.39274e+09
e0833.270.06	2006-09-27	17:15:12.711	51.65565	7.73834	1110	0.1	0.6	4.02256e+09	1.02652e+10	-7.03639e+10	-2.49058e+10	3.98956e+09	3.07062e+08
e0835.270.06	2006-09-27	17:21:04.511	51.65550	7.73888	1054	1.3	1.3	7.62512e+10	1.76608e+10	-9.39120e+10	3.68080e+10	-3.20402e+10	-1.20740e+10
e0836.270.06	2006-09-27	18:17:08.115	51.65564	7.74013	1000	1.6	1.4	1.07444e+11	1.16896e+10	-1.19134e+11	3.77192e+10	-7.41453e+10	-9.77127e+09
e0838.270.06	2006-09-27	20:22:09.697	51.65515	7.73887	1062	0.9	0.9	5.37903e+09	1.61067e+10	-2.14858e+10	9.91055e+09	-2.82526e+09	-1.22375e+10
e0844.270.06	2006-09-27	22:05:30.718	51.65455	7.73938	1162	0.5	0.6	3.76527e+09	3.7863e+09	-7.50190e+09	3.86935e+09	-2.47109e+09	-4.01816e+09
e0850.271.06	2006-09-28	00:31:34.950	51.65380	7.73888	1133	0.4	0.5	1.83845e+09	2.76432e+09	-4.60278e+09	2.50833e+09	-1.44519e+09	-3.91496e+09
e0857.271.06	2006-09-28	04:33:22.445	51.65373	7.74017	1050	0.6	0.7	2.57278e+09	7.11365e+09	-9.68644e+09	5.50608e+09	-2.42089e+08	-7.25180e+09
e0862.271.06	2006-09-28	09:05:49.635	51.65426	7.74001	1075	0.6	0.6	3.72077e+09	3.72264e+09	-7.44341e+09	3.96022e+09	-2.05318e+09	-4.24037e+09
e0864.271.06	2006-09-28	10:57:02.020	51.65668	7.74244	1168	-0.0	0.5	-2.46526e+09	5.34744e+09	-2.88218e+09	-1.03845e+09	3.56629e+09	-2.12700e+09
e0871.271.06	2006-09-28	16:12:13.993	51.65409	7.73993	1077	0.8	0.8	4.84345e+09	9.90767e+09	-1.47511e+10	7.64487e+09	-2.11161e+09	-9.14968e+09
e0878.271.06	2006-09-28	18:40:35.211	51.65423	7.73952	1065	0.7	0.9	9.15677e+09	1.00737e+10	-1.92304e+10	9.63709e+09	1.18648e+10	1.09427e+10
e0880.271.06	2006-09-28	19:06:30.495	51.65423	7.73952	1097	1.6	1.5	1.05674e+11	6.83318e+10	-1.74006e+11	9.43217e+10	-3.20936e+10	-8.26253e+10
e0885.271.06	2006-09-28	21:06:11.370	51.65376	7.73971	1000	0.4	0.4	1.00228e+09	2.65528e+09	-3.65758e+09	1.74411e+09	-6.61988e+08	-2.39913e+09
e0886.271.06	2006-09-28	21:15:37.239	51.65555	7.73866	1018	1.4	1.3	6.71071e+10	-2.85749e+08	-6.68214e+10	2.16726e+09	-7.36100e+10	-9.62651e+09
e0892.271.06	2006-09-28	22:01:50.452	51.65576	7.73809	1000	1.6	1.4	1.05673e+10	1.06537e+10	-2.12209e+10	1.07818e+10	1.08402e+10	7.71051e+09
e0898.271.06	2006-09-28	23:22:22.052	51.65535	7.73907	1058	0.6	0.8	8.53946e+10	2.77198e+10	-1.13114e+11	5.83876e+10	-7.79810e+10	-5.89346e+09
								6.51538e+09	8.19132e+09	-1.47067e+10	7.38709e+09	7.54024e+09	6.47195e+09

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0899.271.06	2006-09-23	23:22:47.300	51.65520	7.73741	1000	0.7	0.8	1.65038e+10	6.54837e+08	-1.71584e+10	4.46293e+09	-2.63101e+09	2.40425e+09
e0900.271.06	2006-09-23	23:37:07.404	51.65472	7.73933	1154	0.1	0.3	1.02212e+09	1.70149e+09	-2.72361e+09	1.34947e+09	-6.93126e+08	-1.42112e+09
e0900.272.06	2006-09-29	08:20:00.243	51.65450	7.73798	1160	0.8	0.8	5.54222e+09	9.05691e+09	-1.45991e+10	7.41421e+09	-3.91799e+09	-9.10890e+09
e0912.272.06	2006-09-29	09:31:04.062	51.65434	7.73999	1038	0.9	0.9	4.57365e+09	7.07125e+09	-1.16449e+10	1.07216e+10	-2.16418e+09	-2.0205e+10
e0914.272.06	2006-09-29	10:32:03.857	51.65548	7.73917	1133	0.2	0.5	2.48540e+09	2.86461e+09	-5.35001e+09	2.67001e+09	2.36068e+09	2.36771e+09
e0918.272.06	2006-09-29	12:28:53.495	51.65538	7.73907	1099	0.3	0.6	4.76260e+09	3.69305e+09	-8.45565e+09	4.22392e+09	2.38997e+09	1.40351e+09
e0919.272.06	2006-09-29	13:06:14.281	51.65520	7.73928	1053	0.3	0.6	5.20119e+09	3.25446e+09	-8.45565e+09	4.14488e+09	2.46015e+09	1.27651e+09
e0936.272.06	2006-09-29	21:25:28.281	51.65446	7.73931	1143	1.2	1.2	5.59380e+10	-3.09619e+09	-5.28418e+10	5.92654e+09	-3.93637e+10	-2.14895e+10
e0938.272.06	2006-09-29	21:58:38.177	51.65419	7.73981	1116	1.1	1.3	7.70170e+10	1.18327e+10	-8.84977e+10	4.02809e+10	-1.21552e+10	-3.53094e+10
e0946.273.06	2006-09-30	03:03:06.823	51.65582	7.73861	1207	1.0	1.2	3.60421e+10	3.09761e+10	-6.70183e+10	3.66046e+10	1.65894e+10	-4.66528e+09
e0947.273.06	2006-09-30	04:20:46.931	51.65426	7.74085	1008	0.7	0.7	2.66090e+09	6.82609e+09	-9.48699e+09	5.59317e+09	-6.24046e+08	-7.55993e+09
e0951.273.06	2006-09-30	15:53:49.601	51.65333	7.73953	1087	0.2	0.4	8.33922e+08	1.87494e+09	-2.70886e+09	2.16091e+09	-3.08341e+09	-6.28144e+09
e0960.273.06	2006-09-30	17:13:53.929	51.65436	7.73999	1142	0.6	0.7	4.83586e+09	5.47279e+09	-1.03085e+10	5.43032e+09	3.12165e+09	-1.31306e+10
e0965.273.06	2006-09-30	18:30:34.648	51.65571	7.73822	1048	1.0	1.0	2.57547e+10	5.07272e+09	-3.08274e+10	1.46698e+10	-1.46669e+10	2.98748e+09
e0968.273.06	2006-09-30	20:08:42.537	51.65418	7.73972	1118	0.3	0.4	2.11945e+09	1.72011e+09	-3.83956e+09	1.96071e+09	-1.24891e+09	-1.85159e+09
e0972.273.06	2006-09-30	23:25:18.372	51.65559	7.73567	1020	0.8	1.0	3.34304e+10	-2.96091e+10	-3.82134e+09	7.49793e+09	-5.08413e+09	-1.31306e+10
e0012.274.06	2006-10-01	11:45:48.081	51.65547	7.73837	1000	0.2	0.5	8.88861e+08	4.53938e+09	-5.4324e+09	2.34841e+09	1.10566e+07	-2.97736e+09
e0015.274.06	2006-10-01	13:43:24.849	51.65412	7.73973	1000	0.5	0.6	1.99580e+09	5.52483e+09	-7.52064e+09	3.74715e+09	-5.43081e+08	-4.42304e+09
e0017.274.06	2006-10-01	15:37:12.562	51.65422	7.73985	1133	0.6	0.7	5.79745e+09	4.12151e+09	-9.91896e+09	4.89216e+09	-6.08314e+09	-4.80209e+09
e0019.274.06	2006-10-01	15:58:30.452	51.65571	7.73863	1126	0.3	0.5	1.22291e+09	3.98806e+09	-5.21097e+09	2.26115e+09	-1.19377e+09	-3.31598e+09
e0026.274.06	2006-10-01	21:36:02.006	51.65588	7.73771	1130	0.7	0.8	1.21818e+10	3.17830e+09	-1.53603e+10	7.89276e+09	-7.39854e+09	1.40506e+09
e0027.274.06	2006-10-01	21:39:52.087	51.65564	7.73869	1124	1.5	1.4	9.58833e+10	4.81369e+09	-1.04397e+11	-2.57158e+10	-9.40307e+10	5.49493e+09
e0033.275.06	2006-10-02	01:55:24.395	51.65560	7.73788	1000	0.6	0.7	7.99532e+09	6.60984e+07	-8.06142e+09	1.26157e+09	-9.13162e+09	-3.00885e+09
e0036.275.06	2006-10-02	09:38:17.804	51.65742	7.73845	1260	0.9	1.0	-1.27833e+09	2.38882e+10	-2.23099e+09	-9.90958e+09	1.98113e+10	-1.55034e+10
e0037.275.06	2006-10-02	11:08:06.237	51.65418	7.74001	1110	0.7	0.7	3.15764e+09	7.32262e+09	-1.04803e+10	5.67038e+09	-4.39091e+08	-6.27929e+09
e0039.275.06	2006-10-02	13:35:33.976	51.65413	7.73962	1118	1.1	1.0	1.96565e+10	1.21562e+10	-3.18127e+10	1.55998e+10	-1.06531e+10	-1.13570e+10
e0040.275.06	2006-10-02	13:52:41.898	51.65480	7.73887	1112	0.4	0.5	2.85550e+09	2.69432e+09	-5.54982e+09	2.81351e+09	-1.72221e+09	-2.41288e+09
e0042.275.06	2006-10-02	18:07:39.638	51.65564	7.73851	1085	1.1	1.1	3.38781e+10	9.20245e+09	-4.30806e+10	1.84321e+10	-1.86227e+10	-1.67680e+10
e0062.276.06	2006-10-03	08:05:51.358	51.65422	7.74013	1090	1.3	1.1	2.26061e+10	2.14037e+10	-4.40998e+10	2.24504e+10	-1.29746e+10	-1.96601e+10
e0083.276.06	2006-10-03	19:46:10.807	51.65607	7.73870	1157	0.7	0.9	1.50959e+10	-4.12321e+08	-1.46367e+08	-1.06167e+08	-1.98345e+10	-3.36296e+09
e0084.276.06	2006-10-03	19:46:21.676	51.65572	7.73907	1008	1.3	1.2	9.70162e+09	3.56311e+10	-4.5327e+10	1.94755e+10	-1.73998e+10	-5.11933e+10
e0093.277.06	2006-10-04	01:35:33.262	51.65435	7.74057	1076	0.8	0.9	1.19325e+10	8.68928e+09	-2.06218e+10	1.06401e+10	-7.88688e+09	-1.15744e+10
e0094.277.06	2006-10-04	01:35:33.252	51.65422	7.74034	1120	0.8	0.9	1.21072e+10	8.98745e+09	-2.10947e+10	1.08702e+10	-7.36869e+09	-1.10601e+10
e0106.277.06	2006-10-04	13:50:30.464	51.65494	7.73863	1033	1.1	1.1	3.55055e+10	-9.71174e+07	-3.34084e+10	-3.65734e+09	-3.58006e+10	9.87180e+09
e0107.277.06	2006-10-04	14:22:00.805	51.65524	7.73942	1085	0.3	0.4	9.08044e+08	2.47551e+09	-3.38356e+09	1.86346e+09	-2.56742e+08	-2.68382e+09
e0111.277.06	2006-10-04	17:05:05.545	51.65559	7.73882	1054	1.1	1.1	1.42667e+10	2.69739e+10	-4.12406e+10	2.03494e+10	-1.09780e+10	-2.57196e+10
e0114.277.06	2006-10-04	17:53:02.681	51.65401	7.74025	1079	0.9	0.9	1.18380e+10	9.64780e+09	-2.14858e+10	1.12156e+10	-6.27972e+09	-1.08768e+10
e0115.277.06	2006-10-04	17:56:44.226	51.65541	7.73963	1000	1.2	1.3	6.83356e+10	2.84792e+10	-9.70148e+10	4.42010e+10	-2.10824e+10	-1.19067e+10
e0118.277.06	2006-10-04	18:58:26.674	51.65536	7.73843	1000	0.8	0.7	7.35817e+09	3.81923e+08	-7.74010e+09	1.78839e+09	-9.81846e+09	-1.33791e+09
e0126.277.06	2006-10-04	21:57:49.177	51.65518	7.73767	1000	-0.0	0.4	3.17059e+09	1.06146e+09	-4.23205e+09	1.86136e+09	-1.33622e+09	-3.97122e+08
e0137.278.06	2006-10-05	13:39:52.091	51.65578	7.73831	1069	0.3	0.6	2.61163e+09	4.98625e+09	-7.54788e+09	3.61360e+09	-2.37910e+09	-4.07870e+09
e0144.278.06	2006-10-05	19:53:16.240	51.65543	7.73937	1042	0.8	0.8	4.23424e+09	1.03269e+10	-1.45611e+10	7.05403e+09	-2.80171e+09	-9.50366e+09
e0160.279.06	2006-10-06	07:20:51.845	51.65441	7.73885	1319	0.6	0.8	8.75574e+09	3.59534e+09	-1.23511e+10	5.61807e+09	-1.05383e+10	-7.24842e+09
e0168.279.06	2006-10-06	14:29:13.384	51.65461	7.73952	1000	0.7	0.7	1.17110e+09	7.50329e+09	-8.67440e+09	5.22958e+09	9.52023e+08	-7.98601e+09
e0192.279.06	2006-10-06	20:56:51.008	51.65531	7.73981	1100	0.8	0.9	5.10631e+09	1.39208e+10	-1.90272e+10	1.04790e+10	-1.44576e+09	-1.51035e+10
e0195.279.06	2006-10-06	21:14:36.495	51.65556	7.73973	1000	1.4	1.4	1.07427e+11	2.25648e+10	-1.29992e+11	5.12616e+10	-5.27928e+10	-7.99712e+09
e0203.279.06	2006-10-06	21:53:16.758	51.65459	7.73961	1112	1.6	1.4	6.33437e+10	6.35950e+10	-1.26939e+11	6.35036e+10	-4.20681e+10	-4.54433e+10
e0217.280.06	2006-10-07	05:26:29.799	51.65545	7.73957	1077	0.3	0.6	1.75137e+09	4.96490e+09	-6.71627e+09	3.76571e+09	-3.48318e+08	-5.5891e+09

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0220.280.06	2006-10-07	12:10:05.280	51.65564	7.73919	1066	0.9	1.0	5.22854e+09	1.33131e+10	-2.85416e+10	1.33916e+10	-7.47266e+08	-1.96546e+10
e0225.280.06	2006-10-07	13:20:04.496	51.65419	7.74021	1163	0.2	0.5	3.58704e+09	1.38422e+09	-4.97125e+09	2.23048e+09	-3.23108e+09	-2.15585e+09
e0226.280.06	2006-10-07	14:37:45.154	51.65426	7.73998	1144	1.3	1.2	2.92612e+10	3.50586e+10	-6.45198e+10	3.26247e+10	-1.40154e+10	-2.52961e+10
e0235.280.06	2006-10-07	20:18:23.601	51.65561	7.73820	995	0.9	0.8	9.04298e+09	-7.97245e+08	-8.24573e+09	2.76151e+08	-1.48054e+10	4.66381e+09
e0261.281.06	2006-10-08	05:37:41.574	51.65440	7.73988	1196	0.4	0.6	3.21687e+09	3.90473e+09	-7.12160e+09	3.75556e+09	-4.46697e+09	-2.68674e+09
e0264.281.06	2006-10-08	07:33:57.909	51.65561	7.73931	1047	0.7	0.9	1.11931e+10	8.40813e+09	-1.96013e+10	1.01974e+10	-8.66983e+09	-1.27164e+10
e0269.281.06	2006-10-08	10:43:54.246	51.65557	7.74005	998	0.6	0.7	1.22381e+09	7.56314e+09	-8.78695e+09	4.13709e+09	-3.01547e+08	-8.56319e+09
e0272.281.06	2006-10-08	11:45:14.117	51.65425	7.74010	1125	1.1	1.1	1.89194e+10	2.39503e+10	-4.28697e+10	2.23434e+10	-1.01926e+10	-2.28929e+10
e0294.282.06	2006-10-09	01:08:02.385	51.65534	7.73913	1066	0.5	0.6	1.94852e+09	3.19387e+09	-5.14239e+09	2.97307e+09	-2.28182e+09	-6.72057e+09
e0299.282.06	2006-10-09	04:41:02.092	51.65587	7.73959	1000	0.2	0.5	4.74919e+08	4.44871e+09	-4.97362e+09	1.65399e+09	-3.56125e+08	-3.84953e+09
e0300.282.06	2006-10-09	10:27:07.813	51.65411	7.74055	1000	1.2	1.2	3.01540e+10	3.14042e+10	-6.15583e+10	3.25269e+10	-1.35873e+10	-3.04434e+10
e0305.282.06	2006-10-09	18:12:40.685	51.65558	7.73964	1180	0.0	0.5	3.02321e+09	2.88638e+09	-5.90960e+09	3.31014e+09	1.53868e+09	-5.37594e+08
e0321.283.06	2006-10-10	10:15:46.632	51.65600	7.73914	1143	0.8	0.8	4.77685e+09	9.82223e+09	-1.45991e+10	7.18990e+09	-3.43530e+09	-9.30144e+09
e0332.284.06	2006-10-11	00:10:13.785	51.65447	7.74053	1126	1.1	1.1	1.56696e+10	2.70751e+10	-4.27447e+10	2.19331e+10	-7.74377e+09	-2.38329e+10
e0336.284.06	2006-10-11	00:31:14.342	51.65586	7.73968	1032	0.4	0.5	1.70693e+09	1.95763e+09	-3.69456e+09	1.91755e+09	-2.77751e+09	-4.26296e+09
e0340.284.06	2006-10-11	02:08:59.002	51.65581	7.73790	1000	0.2	0.7	1.17973e+10	-1.20246e+10	2.27290e+08	2.41556e+09	-2.37536e+09	-2.25896e+09
e0348.284.06	2006-10-11	13:47:54.908	51.65604	7.73724	1000	0.6	0.6	5.70719e+09	5.91934e+08	-6.29912e+09	3.11586e+09	-5.75777e+09	5.21204e+08
e0352.284.06	2006-10-11	16:00:07.611	51.65582	7.73448	1000	0.9	0.7	8.61492e+09	1.09006e+08	-8.72933e+09	1.26573e+09	-9.03373e+09	-1.44275e+08
e0355.284.06	2006-10-11	22:04:39.991	51.65450	7.74068	1116	0.5	0.7	5.31784e+09	4.71235e+09	-1.00302e+10	5.37155e+09	-3.48048e+09	-6.47896e+09
e0359.284.06	2006-10-11	23:50:15.722	51.65456	7.74140	1156	0.2	0.5	5.25177e+09	7.45339e+08	-5.99711e+09	-1.98647e+09	1.88455e+09	-5.12016e+08
e0365.285.06	2006-10-12	11:20:52.542	51.65445	7.74103	1027	0.9	1.0	9.91206e+09	1.80572e+10	-2.79693e+10	1.51512e+10	-4.95497e+09	-2.00379e+10
e0372.285.06	2006-10-12	23:19:13.665	51.65579	7.73781	1000	0.1	0.6	7.19608e+09	1.64999e+09	-8.84608e+09	3.53035e+09	-2.75238e+08	7.17020e+08
e0412.288.06	2006-10-15	01:02:05.344	51.65661	7.73823	1056	0.5	0.8	1.60220e+10	1.57704e+09	-1.75990e+10	-5.04843e+09	-2.20607e+09	1.19023e+09
e0443.288.06	2006-10-15	13:45:25.426	51.65519	7.73459	1025	1.7	0.7	1.02803e+10	-1.94473e+08	-1.00853e+10	6.61712e+08	-7.23055e+09	1.43106e+09
e0454.289.06	2006-10-16	11:16:16.996	51.65595	7.74004	1000	1.4	1.2	2.47402e+10	2.59914e+10	-5.07316e+10	2.59863e+10	-2.82620e+10	-4.00896e+10
e0483.291.06	2006-10-18	00:52:29.240	51.65610	7.73594	1114	1.5	1.8	5.48920e+11	-1.65750e+11	-5.32345e+11	-7.07144e+10	-8.48259e+10	-1.07435e+11
e0496.291.06	2006-10-18	20:21:26.980	51.65580	7.73943	1000	-0.0	0.4	1.98730e+09	2.20861e+09	-4.19591e+09	2.16997e+09	-4.69064e+08	-1.34438e+09
e0503.291.06	2006-10-18	23:21:50.509	51.65605	7.73937	1000	0.9	0.9	1.42379e+09	1.76957e+10	-1.91195e+10	7.70317e+09	1.2792e+09	-1.51538e+10
e0529.293.06	2006-10-20	00:22:44.111	51.65784	7.73787	1082	0.7	0.7	1.23137e+10	-2.19982e+08	-1.20937e+10	-1.77609e+09	-1.15525e+09	-2.24379e+09
e0537.293.06	2006-10-20	08:01:21.799	51.65577	7.74027	1000	1.0	1.0	2.10570e+10	4.82638e+09	-2.58833e+10	1.18271e+10	-2.32240e+10	-3.37205e+09
e0541.293.06	2006-10-20	09:50:09.075	51.65576	7.74039	1116	0.5	0.8	7.69614e+09	7.69483e+09	-1.53910e+10	7.71423e+09	6.71042e+09	5.83238e+09
e0544.293.06	2006-10-20	12:40:17.097	51.65492	7.74028	1203	0.3	0.7	4.24820e+09	5.88093e+09	-1.01291e+10	5.13402e+09	5.78965e+09	4.58206e+09
e0546.293.06	2006-10-20	13:50:40.592	51.65469	7.74152	1125	0.6	0.7	4.96927e+09	5.68101e+09	-1.06503e+10	5.36847e+09	-3.85728e+09	-5.43987e+09
e0552.293.06	2006-10-20	22:51:02.378	51.65579	7.73565	1118	1.0	1.0	2.56652e+10	-1.47060e+09	-2.41946e+10	1.28838e+09	-2.41100e+10	7.27012e+09
e0556.294.06	2006-10-21	03:34:20.871	51.65424	7.74046	1203	0.6	0.7	5.84304e+09	5.47038e+09	-1.11313e+10	5.65071e+09	-3.81943e+09	-3.98409e+09
e0559.294.06	2006-10-21	09:42:17.525	51.65446	7.74152	1157	0.6	0.7	7.45206e+09	3.72378e+09	-1.11758e+10	5.52623e+09	-3.19603e+09	-4.53718e+09
e0562.294.06	2006-10-21	20:52:51.243	51.65601	7.73933	1000	1.2	1.1	-4.61733e+09	3.94134e+10	-3.47960e+10	1.36574e+10	1.29279e+10	-2.76674e+10
e0566.294.06	2006-10-21	22:21:08.052	51.65607	7.74011	1000	0.5	0.7	1.88763e+09	7.03074e+09	-8.91837e+09	4.16183e+09	-1.70116e+09	-8.8579e+09
e0588.296.06	2006-10-23	16:22:24.833	51.65562	7.74020	1055	1.4	1.4	9.62603e+10	1.59168e+10	-1.12177e+11	4.59224e+10	-5.87438e+10	-5.78046e+10
e0590.296.06	2006-10-23	20:03:01.998	51.65423	7.74238	1000	-0.0	0.3	1.55897e+09	1.34451e+09	-2.90348e+09	1.49304e+09	-5.65516e+08	-1.05682e+09
e0601.297.06	2006-10-24	13:53:07.224	51.65341	7.73668	1180	-0.0	0.4	2.25247e+09	1.72030e+09	-4.14578e+09	2.12136e+09	7.11827e+08	1.38955e+09
e0616.297.06	2006-10-24	21:56:15.103	51.65612	7.74039	1126	1.0	1.0	3.63731e+09	2.18320e+10	-2.54693e+10	1.22389e+10	-3.03806e+08	-2.32329e+10
e0629.298.06	2006-10-25	09:07:45.494	51.65609	7.74035	1025	1.0	1.1	2.68041e+10	8.80442e+09	-3.56085e+10	1.69729e+10	-3.33607e+10	-8.88226e+09
e0633.298.06	2006-10-25	12:12:00.981	51.65516	7.74204	1412	0.3	0.5	2.37008e+09	2.23270e+09	-4.60278e+09	2.54977e+09	-1.84650e+09	-3.74245e+09
e0637.298.06	2006-10-25	14:28:07.372	51.65638	7.73995	1163	0.7	1.0	2.34502e+10	5.51831e+09	-2.89685e+10	1.26095e+10	-1.95314e+10	-2.94664e+09
e0639.298.06	2006-10-25	14:28:51.036	51.65614	7.73997	1140	-0.0	0.4	2.79005e+09	1.19479e+09	-3.98484e+09	1.88325e+09	-1.86267e+09	-6.25316e+08
e0639.298.06	2006-10-25	17:54:53.917	51.65540	7.74086	996	0.1	0.5	4.13099e+09	1.17487e+09	-5.30587e+09	-3.02133e+09	2.60382e+09	7.76903e+08

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0642.298.06	2006-10-25	19:31:23.239	51.65589	7.74008	1092	-0.0	0.5	3.42483e+09	2.07413e+09	-5.49902e+09	3.47266e+09	1.71492e+09	1.29419e+09
e0647.298.06	2006-10-25	21:04:46.337	51.65513	7.74165	1000	0.4	0.7	6.03201e+09	4.03379e+09	-1.00858e+10	5.18552e+09	6.69808e+09	3.09222e+09
e0655.298.06	2006-10-25	23:32:15.739	51.65604	7.74063	1064	0.4	0.8	9.75732e+09	5.94156e+09	-1.56989e+10	7.61869e+09	6.76206e+09	4.89584e+09
e0656.298.06	2006-10-25	23:43:22.416	51.65604	7.74045	1066	1.2	1.1	-2.03115e+09	3.59093e+10	-3.36782e+10	1.32679e+10	8.96358e+09	-3.21689e+10
e0663.299.06	2006-10-26	06:51:47.666	51.65463	7.74145	1170	0.5	0.6	3.51798e+09	4.02185e+09	-7.53983e+09	3.80058e+09	-2.73075e+09	-3.85113e+09
e0667.299.06	2006-10-26	12:12:29.733	51.65449	7.74099	1135	0.4	0.6	3.26770e+09	4.39323e+09	-7.66093e+09	3.90392e+09	-2.02310e+09	-3.97055e+09
e0673.299.06	2006-10-26	17:48:35.431	51.65585	7.74028	1000	0.2	0.4	1.23147e+09	2.25418e+09	-3.48566e+09	1.75732e+09	-1.03789e+09	-2.53247e+09
e0675.299.06	2006-10-26	19:02:56.804	51.65881	7.74178	1000	0.8	1.0	3.01354e+10	3.45334e+09	-1.13261e+10	-1.13261e+10	-1.01919e+10	-1.62444e+09
e0679.299.06	2006-10-26	20:02:35.994	51.65633	7.74016	1051	0.2	0.5	1.58660e+09	3.25798e+09	-4.84458e+09	3.29942e+09	-1.95632e+09	-1.95632e+09
e0683.299.06	2006-10-26	22:17:20.504	51.65594	7.74066	1114	0.3	0.7	6.58385e+09	4.27727e+09	-1.08611e+10	5.59109e+09	5.50540e+09	3.05170e+09
e0692.300.06	2006-10-27	00:50:58.334	51.65612	7.74046	1035	0.2	0.6	1.60898e+09	4.98585e+09	-6.59474e+09	3.52027e+09	-5.88179e+08	-5.38799e+09
e0701.300.06	2006-10-27	08:50:13.401	51.65599	7.74092	1022	1.2	1.1	1.22575e+10	2.12672e+10	-3.46247e+10	1.72357e+10	-1.56664e+10	-3.23108e+10
e0710.300.06	2006-10-27	14:49:19.035	51.65589	7.74066	1056	1.2	1.1	4.17208e+09	3.16306e+10	-3.58026e+10	1.70656e+10	1.07772e+09	-3.27051e+10
e0713.300.06	2006-10-27	19:38:57.792	51.65614	7.73997	1000	0.7	0.7	1.16334e+09	8.57486e+09	-9.73820e+09	3.82582e+09	-4.18652e+08	-7.66946e+09
e0737.301.06	2006-10-28	10:18:18.010	51.65594	7.74056	1033	0.9	0.8	4.08193e+09	1.00403e+10	-1.41223e+10	7.07985e+09	-2.41353e+09	-1.00904e+10
e0764.302.06	2006-10-29	00:06:12.560	51.65629	7.74007	996	0.2	0.4	1.10205e+09	2.37453e+09	-3.47658e+09	1.73531e+09	-8.70297e+08	-2.59117e+09
e0789.302.06	2006-10-29	03:05:39.100	51.65455	7.74159	1127	-0.0	0.4	1.76695e+09	2.42023e+09	-4.18723e+09	2.35652e+09	7.95431e+08	-7.33909e+08
e0802.302.06	2006-10-29	04:56:34.485	51.65483	7.74150	1176	0.5	0.7	3.69597e+09	7.00634e+09	-1.07023e+10	5.49754e+09	-1.62917e+09	-6.08014e+09
e0806.302.06	2006-10-29	06:15:25.885	51.65647	7.74164	1000	1.0	1.0	6.53689e+09	1.42677e+10	-2.08046e+10	9.94019e+09	-1.27680e+10	-2.56423e+10
e0808.302.06	2006-10-29	07:26:00.263	51.65618	7.74072	1078	0.7	0.7	1.96239e+09	7.18880e+09	-9.15120e+09	4.45252e+09	-1.24782e+09	-8.21403e+09
e0824.302.06	2006-10-29	17:07:37.461	51.65644	7.74041	1183	0.4	0.7	1.35571e+09	8.41404e+09	-9.76975e+09	3.90739e+09	-7.83282e+08	-7.65291e+09
e0854.302.06	2006-10-29	22:24:09.451	51.65619	7.74064	1000	1.6	1.3	5.76973e+10	1.79640e+10	-7.56613e+10	3.51779e+10	-6.19198e+10	-1.55015e+10
e0855.302.06	2006-10-29	22:53:17.096	51.65641	7.74086	1051	0.4	0.6	1.10323e+09	5.19010e+09	-6.29333e+09	2.85944e+09	-8.25522e+08	-6.05763e+09
e0868.303.06	2006-10-30	01:03:56.939	51.65459	7.74165	1100	0.9	1.0	1.36522e+10	1.72277e+10	-3.28799e+10	1.76450e+10	-1.15149e+10	-1.15149e+10
e0872.303.06	2006-10-30	02:14:31.196	51.65599	7.74077	1000	0.4	0.7	2.55903e+09	6.58633e+09	-9.11585e+09	4.84483e+09	-1.58314e+09	-8.13578e+09
e0901.303.06	2006-10-30	18:24:43.872	51.65474	7.74131	1134	0.5	0.7	3.39062e+09	7.55616e+09	-1.09468e+10	5.39735e+09	-1.43942e+09	-5.75101e+09
e0902.303.06	2006-10-30	18:26:04.552	51.65593	7.74115	1010	0.0	0.4	2.67456e+09	1.16001e+09	-3.83456e+09	-2.30595e+09	1.63936e+09	5.88501e+08
e0905.303.06	2006-10-30	19:15:08.319	51.65629	7.74045	1100	1.1	1.2	4.53387e+10	-9.99174e+08	-4.4396e+10	-1.33659e+10	-4.19261e+10	3.26210e+10
e0911.303.06	2006-10-30	20:05:01.306	51.65514	7.74283	1165	0.6	0.8	8.82847e+09	7.82704e+09	-1.66555e+10	8.67996e+09	5.47408e+09	1.61722e+09
e0923.303.06	2006-10-30	23:56:28.563	51.65469	7.74191	1096	0.8	1.0	1.44437e+10	1.87890e+10	-3.32327e+10	1.76639e+10	-7.90624e+08	-1.06422e+10
e0935.304.06	2006-10-31	11:57:56.316	51.65646	7.74043	1031	0.0	0.5	3.69313e+09	1.98323e+09	-5.67636e+09	-2.89760e+09	2.43926e+09	-1.95639e+08
e0938.304.06	2006-10-31	12:52:59.524	51.65450	7.74230	1125	0.7	0.9	7.88306e+09	1.28730e+10	-2.07560e+10	1.12206e+10	-3.22341e+09	-1.28581e+10
e0940.304.06	2006-10-31	15:11:41.152	51.65612	7.74088	1129	0.3	0.7	6.50833e+09	4.86293e+09	-1.13718e+10	-6.30332e+09	4.58891e+09	-1.85759e+08
e0943.304.06	2006-11-01	16:07:09.068	51.65603	7.74107	1049	1.4	1.3	-3.61171e+09	6.75553e+10	-6.39436e+10	3.2675e+10	1.80824e+10	-6.53588e+10
e0967.304.06	2006-10-31	22:50:47.701	51.65688	7.73881	1046	0.6	1.0	3.16794e+10	2.68876e+09	-3.43682e+10	9.99543e+09	-7.76394e+09	1.65662e+09
e0009.305.06	2006-11-01	08:05:43.450	51.65626	7.74036	1000	1.4	1.2	3.91386e+10	1.40968e+10	-5.32354e+10	2.64879e+10	-4.39284e+10	-9.91343e+09
e0013.305.06	2006-11-01	10:18:30.825	51.65631	7.74036	1032	0.3	0.5	9.65457e+08	3.56370e+09	-4.52916e+09	2.38038e+09	-3.42088e+08	-4.11762e+09
e0019.305.06	2006-11-01	17:41:53.157	51.65587	7.73760	1147	1.0	1.1	3.48568e+10	9.94376e+09	-4.47911e+10	2.32077e+10	-1.66654e+10	5.96554e+09
e0027.305.06	2006-11-01	19:53:08.822	51.65649	7.74097	1000	0.1	0.5	3.43888e+09	1.75300e+09	-5.19188e+09	3.27550e+09	-2.79476e+09	-5.86431e+08
e0032.305.06	2006-11-01	20:17:09.196	51.65478	7.74186	1138	0.6	0.7	5.69516e+09	5.8006e+09	-1.14952e+10	6.02635e+09	-1.74091e+09	-4.47591e+09
e0049.305.06	2006-11-01	23:57:49.595	51.65617	7.74149	1108	1.3	1.2	7.07990e+09	3.82210e+10	-4.53009e+10	2.53772e+10	-5.44203e+08	-5.08527e+10
e0050.306.06	2006-11-02	00:01:50.437	51.65601	7.74107	1030	0.6	0.8	4.62919e+09	7.22454e+09	-1.18537e+10	5.96132e+09	-9.50331e+09	-1.14588e+10
e0082.307.06	2006-11-03	16:13:07.109	51.65466	7.74192	1139	0.4	0.6	6.43878e+09	9.02396e+09	-1.54627e+10	3.99663e+09	-2.87123e+09	-7.86648e+09
e0114.307.06	2006-11-03	16:16:58.934	51.65630	7.74111	1040	-0.0	0.4	2.45539e+09	1.58004e+09	-4.03543e+09	-2.13859e+09	1.70337e+09	-2.69318e+08
e0116.307.06	2006-11-03	16:38:56.120	51.65573	7.74159	1000	1.2	1.1	-1.92171e+09	3.13522e+10	-2.94305e+10	1.75126e+10	8.79819e+09	-3.46609e+10
e0143.307.06	2006-11-03	23:07:45.072	51.65497	7.74275	1195	0.6	0.7	4.21778e+09	5.84175e+09	-1.00595e+10	5.26482e+09	-2.99786e+09	-6.72524e+09
e0152.308.06	2006-11-04	00:48:36.510	51.65629	7.74143	1000	0.4	0.7	9.94198e+08	6.49242e+09	-7.48662e+09	3.99327e+09	-2.83130e+08	-9.63682e+09
e0158.308.06	2006-11-04	02:07:47.349	51.65624	7.74081	1044	0.7	0.8	4.81250e+09	7.53294e+09	-1.23464e+10	6.04842e+09	-7.32621e+09	-1.04792e+10

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0159.308.06	2006-11-04	03:07:10.082	51.65619	7.74111	1039	0.7	0.8	1.07639e+09	1.03617e+10	-1.14381e+10	5.66510e+09	4.19103e+08	-1.28173e+10
e0163.308.06	2006-11-04	06:21:38.741	51.65460	7.74239	1218	0.1	0.5	2.17827e+09	3.03541e+09	-5.21368e+09	2.85534e+09	-9.21910e+08	-3.19958e+09
e0167.308.06	2006-11-04	08:59:21.680	51.65577	7.74167	1000	0.4	0.7	1.10326e+09	6.3557e+09	-7.7863e+09	4.39131e+09	-3.68232e+07	-9.30798e+09
e0177.308.06	2006-11-04	15:14:00.583	51.65617	7.74176	1000	1.2	1.3	7.47417e+09	5.48952e+10	-6.23694e+10	3.04482e+10	-2.15090e+09	-7.47571e+10
e0178.308.06	2006-11-04	15:45:02.210	51.65519	7.74064	1028	0.2	0.4	9.83528e+08	2.95986e+09	-3.94338e+09	1.70750e+09	-1.85331e+09	-1.85331e+09
e0187.308.06	2006-11-04	21:37:33.178	51.65522	7.73506	1209	0.9	1.1	3.88625e+10	3.69412e+09	-4.2966e+10	-1.19087e+10	-2.56430e+10	6.91187e+09
e0223.309.06	2006-11-05	12:21:05.935	51.65488	7.74203	1134	0.3	0.7	6.07928e+09	5.86908e+09	-1.19498e+10	6.31934e+09	3.36460e+09	3.88685e+08
e0231.309.06	2006-11-05	13:07:00.010	51.65494	7.74291	1189	0.1	0.5	1.51737e+09	3.03272e+09	-4.54965e+09	2.55844e+09	-8.88445e+08	-4.04692e+08
e0233.309.06	2006-11-05	16:47:01.751	51.65432	7.74223	1162	0.5	0.7	2.76509e+09	-6.05902e+08	-2.15919e+09	1.47434e+09	-1.20295e+10	2.29542e+09
e0233.309.06	2006-11-05	18:12:16.118	51.65614	7.74169	1074	1.2	1.1	8.80613e+09	2.63222e+10	-3.51284e+10	1.84255e+10	-5.70543e+09	-3.37288e+10
e0261.310.06	2006-11-06	08:36:56.117	51.65621	7.74121	1000	1.0	1.1	3.48240e+10	3.65787e+09	-3.84819e+10	1.51679e+10	-2.16704e+10	-2.16704e+10
e0263.310.06	2006-11-06	10:21:08.062	51.65672	7.74134	1000	1.1	1.0	3.14174e+09	2.23192e+10	-2.54610e+10	8.67823e+09	-5.84758e+09	-2.39015e+10
e0266.310.06	2006-11-06	11:13:45.726	51.65625	7.74117	1000	0.9	0.9	1.61486e+09	1.46939e+10	-1.63085e+10	7.7736e+09	-4.58553e+07	-1.82429e+10
e0271.310.06	2006-11-06	17:16:23.349	51.65644	7.74004	1000	-0.0	0.4	4.12221e+09	-4.43272e+09	3.10506e+08	4.54742e+08	-1.16252e+09	1.53797e+08
e0273.310.06	2006-11-06	17:56:35.344	51.65480	7.74212	1179	0.4	0.6	2.59784e+09	4.82153e+09	-7.41937e+09	3.83899e+09	-1.29133e+09	-4.52835e+09
e0303.311.06	2006-11-07	21:37:44.389	51.65616	7.74088	1000	0.3	0.5	-3.70148e+08	4.25645e+09	-3.88631e+09	1.92921e+09	1.25632e+09	-4.22275e+09
e0314.312.06	2006-11-08	00:42:47.953	51.65652	7.74087	1048	1.2	1.2	4.09053e+09	4.60612e+10	-5.01517e+10	1.77896e+10	-1.98363e+09	-4.86281e+10
e0315.312.06	2006-11-08	01:06:49.935	51.65491	7.74174	1136	0.7	0.8	7.24130e+09	9.57849e+09	-1.68198e+10	8.46299e+09	-2.32838e+09	-5.06355e+09
e0327.312.06	2006-11-08	14:01:58.880	51.65611	7.74062	1000	0.8	0.8	7.83020e+09	6.89220e+09	-1.47724e+10	7.39206e+09	-7.88797e+09	-6.04842e+09
e0328.312.06	2006-11-08	14:06:32.044	51.65622	7.74113	1036	1.1	1.1	1.44444e+10	2.16075e+10	-3.60469e+10	1.76829e+10	-2.11619e+10	-2.76411e+10
e0335.312.06	2006-11-08	17:27:03.286	51.65424	7.74235	1192	0.2	0.5	2.27818e+09	2.93550e+09	-5.21368e+09	2.86856e+09	-9.77610e+08	-3.18300e+09
e0343.312.06	2006-11-08	21:54:54.801	51.65605	7.74167	1042	0.1	0.4	-3.18708e+08	2.78553e+09	-2.41682e+09	1.37239e+09	8.4094e+08	-3.25187e+09
e0360.313.06	2006-11-09	00:56:46.103	51.65596	7.74249	1162	0.8	0.9	8.75379e+09	1.24315e+10	-2.11853e+10	1.06816e+10	-6.34731e+09	-1.16867e+10
e0372.313.06	2006-11-09	08:42:55.836	51.65473	7.74303	1044	0.5	0.7	3.30672e+09	9.66621e+09	-7.82658e+09	5.24480e+09	-1.80807e+09	-7.43679e+09
e0374.313.06	2006-11-09	09:54:20.802	51.65634	7.74135	1087	0.1	0.6	4.88423e+09	2.94231e+09	-7.82658e+09	4.76977e+09	2.87699e+09	1.23244e+09
e0386.313.06	2006-11-09	16:32:01.299	51.65591	7.74352	1000	0.4	0.6	1.96366e+09	4.22901e+09	-6.19267e+09	3.57952e+09	-1.09475e+09	-5.94782e+09
e0396.313.06	2006-11-09	20:49:58.263	51.65647	7.74112	1000	0.7	0.7	5.20359e+09	4.15062e+09	-9.35421e+09	4.65171e+09	-6.09893e+09	-5.80954e+09
e0412.314.06	2006-11-10	03:59:53.126	51.65663	7.74112	1000	0.6	0.7	1.08183e+09	7.61519e+09	-8.67372e+09	3.11887e+09	-1.70652e+09	-8.8807e+09
e0414.314.06	2006-11-10	09:33:07.302	51.65700	7.74122	1112	0.4	0.7	1.82927e+09	7.20462e+09	-9.03389e+09	3.71923e+09	-2.94889e+09	-8.21722e+09
e0440.315.06	2006-11-11	02:38:04.639	51.65506	7.74285	1165	0.5	0.6	1.36508e+10	9.89596e+09	-2.35465e+10	3.40921e+09	3.85513e+09	-4.70943e+09
e0459.315.06	2006-11-11	07:20:36.498	51.65461	7.74848	1130	0.5	0.8	5.39050e+09	8.20629e+09	-1.35968e+10	7.69331e+09	-2.78026e+09	-1.04247e+09
e0464.315.06	2006-11-11	12:00:13.167	51.65631	7.74156	1000	1.6	1.5	-6.69548e+09	1.26430e+11	-1.19734e+11	6.05657e+10	3.18903e+10	-1.41219e+11
e0495.316.06	2006-11-12	03:28:03.682	51.65475	7.74242	1112	0.8	0.9	8.92020e+09	1.43570e+10	-2.32772e+10	1.22051e+10	-6.18189e+08	-8.23717e+09
e0505.316.06	2006-11-12	05:58:57.811	51.64812	7.73783	1259	0.1	0.5	3.75753e+09	2.40219e+09	-6.15972e+09	3.13477e+09	-1.47631e+08	1.02289e+09
e0529.316.06	2006-11-12	22:31:42.666	51.65452	7.74223	1183	0.9	1.0	1.33413e+10	1.96033e+10	-3.29447e+10	1.77574e+10	4.44737e+08	-1.09356e+10
e0581.317.06	2006-11-13	17:26:01.068	51.65471	7.74283	1083	1.1	1.2	2.38115e+10	3.87017e+10	-6.25132e+10	3.62622e+10	3.89379e+09	-2.63707e+10
e0597.318.06	2006-11-14	06:39:27.869	51.65631	7.74198	1073	1.2	1.2	8.32152e+09	3.91957e+10	-4.77172e+10	2.42110e+10	-3.99787e+09	-4.96668e+10
e0600.318.06	2006-11-14	12:44:25.381	51.65469	7.74300	1130	1.0	1.1	2.10945e+10	2.58471e+10	-4.69416e+10	2.6194e+10	4.69421e+09	-1.20657e+10
e0621.318.06	2006-11-14	23:00:08.850	51.65627	7.74199	1080	1.3	1.2	6.41229e+09	4.10901e+10	-4.75023e+10	2.34968e+10	-9.15625e+08	-4.96583e+10
e0627.319.06	2006-11-15	09:39:30.127	51.65494	7.74307	1143	0.8	0.9	8.92379e+09	1.24991e+10	-2.14229e+10	1.19413e+10	-2.18787e+09	-1.16694e+10
e0631.319.06	2006-11-15	13:59:09.818	51.65624	7.74254	1000	0.7	0.8	5.35981e+09	4.9061e+09	-1.02604e+10	6.05642e+09	-4.15308e+09	-1.27545e+10
e0646.319.06	2006-11-15	20:53:10.495	51.65669	7.74143	1084	0.2	0.7	1.73658e+09	1.01200e+10	-1.18566e+10	-4.42531e+09	2.81809e+09	-2.82138e+09
e0673.320.06	2006-11-16	09:06:06.150	51.65660	7.74122	1000	0.3	0.6	6.87919e+09	1.75372e+09	-8.63291e+09	3.60463e+09	-1.99284e+09	7.11519e+07
e0680.320.06	2006-11-16	14:09:43.083	51.65561	7.74141	1175	0.5	0.5	3.17643e+09	2.85549e+09	-6.03193e+09	3.27730e+09	1.15432e+09	-6.50933e+08
e0684.320.06	2006-11-16	16:36:39.075	51.65550	7.74402	1158	0.3	0.5	3.85871e+09	2.36953e+09	-6.22824e+09	3.07731e+09	8.29255e+08	-7.49875e+07
e0693.320.06	2006-11-16	19:53:23.427	51.65638	7.74203	1000	0.5	0.7	-5.30636e+08	7.81799e+09	-7.28736e+09	4.17340e+08	2.74617e+09	-9.67055e+09
e0702.320.06	2006-11-16	23:21:39.558	51.65502	7.74304	1184	0.6	0.8	6.11234e+09	9.26926e+09	-1.53820e+10	9.43688e+09	1.59791e+09	-6.68386e+09

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _W	M _{mn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0705.320.06	2006-11-16	23:43:36.737	51.65660	7.74151	1085	0.2	0.6	4.55773e+09	3.8421e+09	-8.37194e+09	4.31931e+09	2.69831e+09	8.88949e+08
e0726.321.06	2006-11-17	16:14:49.182	51.65590	7.74241	1000	0.7	0.8	2.01522e+09	8.55991e+09	-1.05751e+10	6.01565e+09	-1.11180e+09	-1.35728e+10
e0736.321.06	2006-11-17	20:41:52.135	51.65617	7.74283	1153	1.1	1.1	1.13703e+10	1.84345e+10	-2.98048e+10	1.89746e+10	-9.07903e+09	-3.75921e+10
e0741.321.06	2006-11-17	21:43:48.924	51.65624	7.74237	1000	0.8	0.9	7.68763e+08	1.3506e+10	-1.41194e+10	7.68428e+09	1.24925e+09	-1.95258e+10
e0746.322.06	2006-11-18	07:05:20.591	51.65724	7.74120	1205	0.5	0.7	1.16080e+09	6.80701e+09	-8.96782e+09	3.41519e+09	-1.28106e+09	-8.59216e+09
e0749.322.06	2006-11-18	16:19:04.927	51.65684	7.74257	1102	0.2	0.7	3.29673e+09	6.28571e+09	-9.58244e+09	-5.41284e+09	6.83869e+09	-3.36482e+09
e0774.324.06	2006-11-20	22:49:48.886	51.65493	7.74320	1222	-0.0	0.5	3.78906e+09	1.53204e+09	-5.31094e+09	2.49834e+09	2.30260e+09	2.41876e+09
e0800.325.06	2006-11-21	21:04:07.715	51.65542	7.74336	1042	0.6	0.9	8.88029e+09	1.35683e+10	-2.24487e+10	1.26855e+10	5.81977e+08	-9.28672e+09
e0821.326.06	2006-11-22	12:04:15.441	51.65537	7.74406	1233	-0.0	0.5	3.88131e+09	1.78193e+09	-5.66324e+09	2.64474e+09	2.10064e+09	1.80205e+09
e0832.326.06	2006-11-22	22:41:38.938	51.64791	7.75748	1197	0.1	0.5	5.08117e+09	2.11757e+08	-5.29873e+09	1.30208e+09	3.33739e+09	-7.72939e+07
e0851.327.06	2006-11-23	17:40:34.338	51.65647	7.74226	1000	0.1	0.3	-3.37037e+08	1.70362e+09	-1.36658e+09	9.29071e+08	6.97301e+08	-2.49176e+09
e0877.327.06	2006-11-23	22:10:25.922	51.65645	7.74287	1085	0.1	0.5	3.39914e+09	2.01732e+09	-5.41647e+09	-3.18320e+09	2.67625e+09	1.86360e+08
e0887.328.06	2006-11-23	23:55:28.510	51.64919	7.75741	1199	0.4	0.6	5.78601e+09	2.92568e+09	-8.71169e+09	4.19765e+09	7.01272e+08	1.53469e+09
e0887.328.06	2006-11-24	13:11:06.010	51.65495	7.74334	1229	0.3	0.6	2.21775e+09	4.71330e+09	-6.93105e+09	3.90437e+09	-6.74290e+08	-5.11346e+09
e0893.328.06	2006-11-24	17:03:51.946	51.65701	7.74177	1112	0.0	0.5	4.28438e+09	1.50423e+09	-5.78861e+09	-3.01081e+09	1.76343e+09	7.56799e+08
e0900.328.06	2006-11-24	17:35:27.328	51.65666	7.74191	1071	0.2	0.7	5.90178e+09	5.78260e+09	-1.16844e+10	6.06054e+09	4.07622e+09	1.65724e+09
e0903.328.06	2006-11-24	17:38:43.854	51.65645	7.74171	1081	0.0	0.5	2.94553e+09	2.73099e+09	-5.67651e+09	2.98137e+09	2.41255e+09	9.60812e+08
e0904.328.06	2006-11-24	17:39:26.972	51.65686	7.74203	1018	-0.0	0.6	4.49942e+09	4.08389e+09	-8.58331e+09	4.37124e+09	2.09809e+09	7.90603e+08
e0907.328.06	2006-11-24	17:45:21.604	51.65638	7.74254	1000	1.1	1.0	1.38913e+09	1.9691e+10	-2.09983e+10	1.06184e+10	1.30148e+09	-2.70322e+10
e0919.328.06	2006-11-24	23:15:53.336	51.65647	7.74190	1000	0.5	0.9	2.14644e+10	2.64828e+09	-2.41127e+10	7.61224e+09	-6.84340e+09	-1.26493e+09
e0925.328.06	2006-11-24	23:32:36.344	51.65505	7.74330	1138	0.5	0.7	4.12006e+09	6.46653e+09	-1.05866e+10	6.60770e+09	8.11992e+08	-5.36049e+09
e0935.329.06	2006-11-25	01:33:56.185	51.65652	7.74174	1063	0.1	0.3	-2.81802e+08	2.07721e+09	-1.79541e+09	1.43334e+08	9.64364e+08	-2.28924e+09
e0973.329.06	2006-11-25	22:14:30.559	51.65594	7.74326	1157	0.4	0.7	8.53951e+09	6.79739e+09	-1.03263e+10	6.55105e+09	1.02270e+09	-5.63339e+09
e1025.331.06	2006-11-27	07:22:29.296	51.65749	7.73585	1230	0.7	0.9	1.48011e+09	1.62732e+10	-1.77532e+10	-8.62378e+09	1.33753e+10	-9.30563e+09
e1026.331.06	2006-11-27	07:34:22.179	51.65516	7.74396	1116	0.9	1.1	2.22032e+10	2.28853e+10	-4.50899e+10	2.69632e+10	4.92816e+09	-1.53526e+10
e1034.334.06	2006-11-27	12:30:20.691	51.65494	7.74647	1159	0.7	0.8	6.60989e+09	5.76288e+09	-1.23728e+10	9.71576e+09	-4.75552e+07	-1.03362e+10
e1048.332.06	2006-11-28	05:29:27.363	51.65703	7.74190	1000	0.7	0.8	1.73997e+09	9.20655e+09	-1.09465e+10	4.01313e+09	-5.15489e+09	-1.30285e+10
e1077.333.06	2006-11-29	08:05:19.025	51.65653	7.74262	1000	0.9	1.0	2.15290e+09	1.78946e+10	-2.00475e+10	1.11821e+10	1.21369e+08	-2.77578e+10
e1087.333.06	2006-11-29	18:01:37.838	51.65570	7.74168	1000	0.9	0.9	7.57384e+09	1.63511e+10	-2.39249e+10	1.17518e+10	3.72159e+07	-6.65499e+09
e1106.334.06	2006-11-30	09:22:23.971	51.65633	7.74215	1022	0.6	0.8	2.13266e+09	9.41290e+09	-1.15456e+10	6.01708e+09	-1.15795e+09	-1.28630e+10
e1107.334.06	2006-11-30	18:48:30.231	51.65534	7.74394	1124	0.9	1.1	1.90752e+10	2.24991e+10	-4.15743e+10	2.26326e+10	-9.04964e+09	-2.46988e+10
e1118.334.06	2006-11-30	20:34:59.995	51.65653	7.74256	1000	0.6	0.7	1.19605e+09	6.04203e+09	-7.23808e+09	3.66380e+09	-1.10693e+09	-9.93365e+09
e1127.334.06	2006-11-30	23:09:03.081	51.65674	7.74247	1026	1.0	1.0	4.36236e+09	1.62363e+10	-2.05986e+10	9.93452e+09	-6.16600e+09	-2.7261e+10
e9998.334.06	2006-11-30	09:22:23.177	51.65750	7.74132	1000	0.6	0.8	1.40055e+09	1.09223e+10	-1.23229e+10	4.07677e+09	-2.85386e+09	-1.24462e+10
e9999.334.06	2006-11-30	09:22:23.196	51.65726	7.74184	1000	0.6	0.8	1.35018e+09	1.00369e+10	-1.13871e+10	3.95888e+09	-2.76868e+09	-1.32957e+10
e0015.335.06	2006-12-01	10:06:46.115	51.65620	7.74081	1000	0.3	0.8	-2.10012e+09	1.59928e+10	-1.29927e+10	-2.03761e+09	7.34401e+09	-7.59181e+09
e0017.335.06	2006-12-01	13:48:29.605	51.65576	7.74542	628	0.1	0.2	-4.61550e+08	4.95432e+08	-3.38818e+07	2.16964e+09	-1.88846e+09	-1.46740e+09
e0020.335.06	2006-12-01	15:34:46.120	51.65521	7.74342	1207	0.9	0.9	8.46769e+09	1.28086e+10	-2.12763e+10	1.30666e+10	1.20313e+09	-1.07029e+10
e0026.335.06	2006-12-01	19:18:14.235	51.65687	7.74229	1000	0.2	0.5	5.08352e+09	6.37593e+08	-5.72112e+09	1.9126e+09	-2.5728e+09	-2.09868e+08
e0051.336.06	2006-12-02	09:26:12.857	51.65866	7.74087	1000	0.2	0.5	5.25360e+09	5.39606e+08	-5.79320e+09	1.83435e+09	-1.88846e+09	-1.46740e+09
e0053.336.06	2006-12-02	17:02:05.338	51.65495	7.74444	1154	0.0	0.4	2.35321e+09	1.68164e+09	-4.03485e+09	2.23035e+09	-2.91871e+08	-1.60319e+09
e0056.336.06	2006-12-02	20:17:40.701	51.65546	7.74421	1185	1.3	1.2	2.90910e+10	3.16223e+10	-6.07132e+10	3.15076e+10	-1.66180e+10	-3.12540e+10
e0076.337.06	2006-12-03	07:29:22.105	51.65693	7.74200	1000	0.4	0.7	8.79717e+08	7.44033e+09	-8.32014e+09	3.15063e+09	-9.09434e+08	-9.22263e+09
e0077.337.06	2006-12-03	07:51:20.181	51.65572	7.73922	1000	-0.0	0.4	2.68268e+09	1.08897e+09	-3.77165e+09	2.04316e+09	2.11515e+09	1.69194e+07
e0105.338.06	2006-12-04	08:39:51.805	51.65518	7.74422	1183	0.8	1.0	1.28816e+10	1.60426e+10	-2.89243e+10	1.6779e+10	-3.98072e+09	-1.82565e+10
e0107.338.06	2006-12-04	08:48:48.607	51.65659	7.74287	1000	0.1	0.4	-3.90205e+08	2.34797e+09	-1.95777e+09	1.22324e+09	8.95931e+08	-3.59229e+09
e0111.338.06	2006-12-04	11:33:31.731	51.65550	7.74417	1146	0.8	0.9	1.28468e+10	6.87182e+09	-1.97186e+10	9.59962e+09	-1.08066e+10	-1.10217e+10
e0117.338.06	2006-12-04	17:00:42.386	51.65522	7.74462	1141	0.6	1.0	1.31872e+10	1.23974e+10	-2.55845e+10	1.49992e+10	-8.49465e+09	-2.16958e+10

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0120.338.06	2006-12-04	20:44:41.817	51.65749	7.74498	1000	0.1	0.6	6.00551e+09	2.83277e+09	-8.88329e+09	4.19302e+09	1.66865e+08	-6.97604e+08
e0124.339.06	2006-12-05	09:30:05.722	51.65504	7.74493	1106	0.4	0.6	4.47188e+09	1.95467e+09	-6.42655e+09	3.55258e+09	-2.96001e+09	-5.04885e+09
e0129.339.06	2006-12-05	16:53:09.608	51.65544	7.74411	1130	0.5	0.7	6.20184e+09	5.30744e+09	-1.15093e+10	6.38726e+09	-4.00201e+08	-4.24082e+09
e0143.339.06	2006-12-05	23:29:26.128	51.65661	7.74284	1014	0.8	0.9	1.72017e-06	1.34325e+10	-1.34325e+10	7.02315e+09	2.14719e+09	-1.99146e+10
e0145.339.06	2006-12-05	23:40:40.394	51.65553	7.74412	1208	0.5	0.7	5.60985e+09	4.21407e+09	-9.82392e+09	5.11079e+09	-4.34321e+09	-6.37331e+09
e0153.340.06	2006-12-06	08:25:44.309	51.65724	7.74279	1106	1.3	1.2	4.05792e+09	3.21792e+10	-3.62371e+10	2.09954e+10	-1.03893e+09	-5.82017e+10
e0175.340.06	2006-12-06	22:24:55.426	51.65687	7.74260	1000	0.8	0.9	2.74679e+09	1.38974e+10	-1.66442e+10	6.98748e+09	-3.57423e+09	-1.81797e+10
e0210.341.06	2006-12-07	21:24:45.139	51.65771	7.74418	1047	0.2	0.5	2.56636e+09	2.99745e+09	-5.56381e+09	3.21020e+09	-9.26633e+07	-2.49666e+09
e0220.342.06	2006-12-08	00:49:09.038	51.65729	7.74159	998	0.2	0.6	5.64883e+09	3.19327e+09	-8.84209e+09	4.27202e+09	1.00308e+09	1.74800e+08
e0228.342.06	2006-12-08	10:27:10.204	51.65709	7.74126	1000	0.4	0.8	1.46458e+10	2.04162e+09	-1.66875e+10	5.52109e+09	-5.94143e+09	-1.36920e+09
e0231.342.06	2006-12-08	12:19:57.635	51.65560	7.74458	1224	0.8	0.9	9.57127e+09	9.31736e+09	-1.88886e+10	1.03946e+10	-6.93344e+09	-1.46957e+10
e0235.342.06	2006-12-08	14:56:15.931	51.65712	7.74313	1000	1.3	1.2	-1.64873e+09	3.38975e+10	-3.22488e+10	1.48415e+10	7.31190e+09	-6.03512e+10
e0257.343.06	2006-12-09	01:27:43.257	51.65758	7.74229	1000	0.2	0.6	6.94816e+09	1.96435e+09	-8.91251e+09	3.69440e+09	4.25002e+07	3.87948e-07
e0283.343.06	2006-12-09	13:29:10.312	51.65682	7.74270	1000	1.1	1.1	3.40308e+09	2.36680e+10	-2.70711e+10	1.53109e+10	-1.12688e+09	-4.02976e+10
e0286.343.06	2006-12-09	15:53:32.904	51.65743	7.73823	1152	0.3	0.7	1.04975e+10	1.03136e+09	-1.15288e+10	3.67202e+09	-4.78251e+09	1.92257e+08
e0320.343.06	2006-12-09	22:51:48.176	51.65684	7.74295	1044	1.4	1.3	-1.91816e+09	6.79841e+10	-6.60599e+10	2.62775e+10	1.39555e+10	-6.79676e+10
e0341.344.06	2006-12-10	02:13:02.150	51.65698	7.74233	1000	0.4	0.5	4.43740e+09	8.32123e+08	-5.26953e+09	2.14727e+09	-3.31805e+09	-3.39151e+08
e0353.344.06	2006-12-10	13:34:49.548	51.65552	7.74408	1159	0.7	0.9	8.39677e+09	1.18626e+10	-2.02594e+10	1.20705e+10	-1.30956e+10	-1.30956e+10
e0371.344.06	2006-12-10	19:16:45.413	51.65682	7.74315	1000	-0.0	0.5	3.74897e+09	2.04722e+09	-5.79629e+09	3.60933e+09	2.11254e+09	7.40135e+07
e0400.345.06	2006-12-11	09:26:01.977	51.65663	7.74321	1000	0.9	1.0	-3.57830e+08	2.01926e+10	-1.98347e+10	1.00752e+10	3.86410e+09	-2.72368e+10
e0441.346.06	2006-12-12	09:10:48.115	51.65545	7.74482	1222	1.0	1.2	3.02019e+10	2.99050e+10	-5.97924e+10	3.62675e+10	-2.36194e+09	-3.17729e+10
e0449.346.06	2006-12-12	18:21:47.485	51.65751	7.74183	1000	0.9	1.0	2.11687e+10	3.38488e+09	-2.45536e+10	8.93726e+09	-2.47604e+10	-5.89480e+09
e0463.346.06	2006-12-12	23:43:54.159	51.65559	7.74401	1102	0.7	0.9	8.97631e+09	1.11391e+10	-2.03712e+10	1.19809e+10	-2.38005e+09	-1.30019e+10
e0491.348.06	2006-12-14	01:11:26.025	51.65765	7.74039	1014	0.0	0.4	3.23664e+09	6.47422e+08	-3.88406e+09	1.59296e+09	3.00383e+08	-5.36655e+09
e0495.348.06	2006-12-14	06:59:05.616	51.65551	7.74423	1221	0.2	0.7	4.58813e+09	1.07370e+10	-1.07370e+10	6.52138e+09	-6.83222e+09	-1.61138e+09
e0518.348.06	2006-12-14	20:43:56.986	51.65708	7.74307	1000	1.2	1.2	-1.26455e+09	3.73267e+10	-3.60621e+10	1.74542e+10	7.38951e+09	-5.74886e+10
e0520.348.06	2006-12-14	22:26:42.442	51.65545	7.74475	1189	0.8	0.9	8.68552e+09	1.07558e+10	-1.94413e+10	1.25137e+10	-1.23366e+09	-1.37222e+10
e0530.349.06	2006-12-15	01:17:39.787	51.65704	7.74239	1000	0.5	0.7	8.13199e+09	2.20340e+09	-1.03354e+10	4.50680e+09	-6.83222e+09	-1.61138e+09
e0576.351.06	2006-12-17	03:23:23.780	51.65803	7.74403	1051	0.4	0.9	1.57216e+10	8.28080e+09	-2.40025e+10	-1.23231e+10	5.51627e+09	1.65546e+09
e0600.351.06	2006-12-17	13:05:09.917	51.65820	7.74291	1076	0.6	1.1	4.75171e+10	3.82455e+08	-4.78996e+10	1.13701e+10	-1.85008e+09	1.01483e+10
e0610.351.06	2006-12-17	21:307.53.581	51.65866	7.74239	1000	1.1	1.2	6.07816e+10	5.71911e+09	-6.65007e+10	-2.06855e+10	1.65670e+10	-1.53228e+10
e0629.352.06	2006-12-18	03:09:19.668	51.65561	7.74448	1146	0.9	1.0	1.26069e+10	1.74466e+10	-3.00536e+10	1.85529e+10	1.43536e+09	-1.51455e+10
e0660.353.06	2006-12-19	08:15:44.274	51.65692	7.74365	1000	0.5	0.8	-4.71488e+08	9.01845e+09	-8.54696e+09	4.26195e+09	2.04166e+09	-1.47171e+10
e0661.353.06	2006-12-19	09:07:12.143	51.65554	7.74448	1039	1.0	1.1	1.72907e+10	2.37487e+10	-4.10394e+10	2.47046e+10	-2.18407e+09	-2.49640e+10
e0665.353.06	2006-12-19	12:30:45.336	51.65684	7.74287	1000	0.1	0.5	5.06866e+09	1.17862e+09	-6.24729e+09	2.50805e+09	5.95772e+08	-3.33033e+08
e0668.353.06	2006-12-19	17:05:02.981	51.65882	7.74194	1000	0.4	0.6	6.45680e+09	9.98612e+08	-7.45546e+09	3.23093e+09	-2.611932e+09	-3.60519e+09
e0684.353.06	2006-12-21	21:58:04.134	51.65699	7.74332	1000	0.8	0.9	1.22325e-06	1.37938e+10	-1.37793e+10	4.99431e+09	1.52691e+09	-2.03694e+10
e0711.355.06	2006-12-21	20:16:28.834	51.65704	7.74297	1000	0.6	0.8	1.20856e+10	2.63683e+09	-1.47224e+10	5.70463e+09	-9.37097e+09	-3.31488e+09
e0720.355.06	2006-12-21	22:00:39.003	51.65559	7.74528	1186	1.1	1.2	2.51836e+10	3.04819e+10	-5.56655e+10	3.61138e+10	-1.75959e+09	-3.70423e+10
e0726.355.06	2006-12-21	23:35:59.049	51.65586	7.74416	1192	0.2	0.5	2.46922e+09	2.36125e+09	-4.83047e+09	2.42286e+09	-3.07442e+09	-2.64299e+09
e0729.356.06	2006-12-22	00:35:38.141	51.65703	7.74327	1053	0.5	0.7	1.32224e+09	6.33060e+09	-7.65529e+09	3.44111e+09	-1.74830e+09	-9.66239e+09
e0735.356.06	2006-12-22	07:49:48.021	51.65674	7.74342	1110	0.2	0.6	4.74302e+09	3.07573e+09	-7.81875e+09	-4.62963e+09	3.33538e+09	5.74405e+08
e0773.357.06	2006-12-23	03:08:31.281	51.65756	7.74326	1020	0.3	0.6	8.83268e+09	-5.57717e+08	-8.27496e+09	8.41259e+08	-8.63255e+07	-2.30575e+09
e0781.357.06	2006-12-23	05:13:09.725	51.65564	7.74513	1120	1.0	1.1	1.73299e+10	2.14607e+10	-3.87906e+10	2.49681e+10	-2.46147e+09	-2.73793e+10
e0795.357.06	2006-12-23	18:30:08.907	51.65546	7.73436	1086	0.8	0.8	-4.01281e+09	3.40811e+09	6.04704e+08	1.52351e+09	1.01219e+10	-1.40504e+10
e0799.357.06	2006-12-23	20:05:38.849	51.65730	7.74298	1038	0.8	1.0	1.6683e-06	2.32228e+10	-2.32228e+10	6.88701e+09	2.64368e+09	-2.57916e+10
e0825.358.06	2006-12-24	07:03:42.229	51.65566	7.74464	1148	0.5	0.9	9.10307e+09	1.16912e+10	-2.07972e+10	1.36278e+10	-1.89204e+09	-1.07512e+10

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0876.359.06	2006-12-25	16:54:52.911	51.65723	7.74273	1048	0.1	0.4	3.66434e+07	2.51091e+09	-2.54753e+09	1.07156e+09	2.72686e+08	-3.51170e+09
e0990.360.06	2006-12-26	05:13:37.205	51.65755	7.74264	1066	0.6	0.9	2.03800e+10	-5.08630e+08	-2.00714e+10	1.33812e+09	-1.43164e+10	3.29847e+09
e0932.360.06	2006-12-26	16:44:39.643	51.65712	7.74346	1031	0.4	0.7	-2.14972e+08	5.54569e+09	-5.3072e+09	2.98117e+09	1.11396e+09	-1.08974e+10
e0936.360.06	2006-12-26	18:12:57.245	51.65604	7.74527	1116	0.2	0.5	3.13309e+09	2.88608e+09	-6.01918e+09	3.29885e+09	8.07655e+08	-1.05247e+09
e0951.361.06	2006-12-27	02:37:45.969	51.65704	7.74353	1102	0.0	0.6	3.57236e+09	4.86471e+09	-8.43710e+09	4.57385e+09	2.113844e+09	-3.65801e+08
e0962.361.06	2006-12-27	08:44:10.004	51.65737	7.74300	830	0.2	0.6	8.07201e+09	-2.24955e+09	-5.82246e+09	-1.38087e+09	3.46391e+09	3.66987e+09
e0969.361.06	2006-12-27	10:14:31.335	51.65579	7.74615	1000	0.1	0.3	1.36408e+09	5.68304e+08	-1.93238e+09	9.52885e+08	-1.69201e+09	-1.80838e+09
e0975.361.06	2006-12-27	15:58:07.393	51.65660	7.74363	1080	0.1	0.4	4.99417e+08	2.69133e+09	-3.19075e+09	2.19894e+09	6.62426e+08	-2.41696e+09
e0983.361.06	2006-12-27	18:36:20.955	51.65575	7.74535	1141	0.8	1.0	1.35931e+10	1.41047e+10	-2.76979e+10	1.84063e+10	-8.99462e+08	-1.85450e+10
e0986.361.06	2006-12-27	19:12:49.457	51.65688	7.74396	1062	0.4	0.8	1.22504e+10	4.55115e+09	-1.68015e+10	-2.7931e+09	4.37207e+09	1.42425e+09
e0993.361.06	2006-12-27	21:28:40.818	51.65690	7.74374	1049	0.1	0.6	3.59372e+09	4.36659e+09	-7.96031e+09	-4.81900e+09	2.79081e+09	8.64373e+08
e1003.362.06	2006-12-28	00:55:27.707	51.65748	7.74239	1006	0.5	0.7	8.77067e+09	1.50774e+09	-1.02784e+10	4.11699e+09	-6.97522e+09	-6.81387e+08
e1025.362.06	2006-12-28	10:36:20.393	51.65557	7.74444	1000	0.8	0.9	8.47909e+09	1.23620e+10	-2.08411e+10	1.26114e+10	-2.56827e+08	-1.19294e+10
e1027.362.06	2006-12-28	11:31:40.792	51.65690	7.74338	1006	0.2	0.7	8.91355e+09	2.87764e+09	-1.17912e+10	-5.87633e+09	2.75008e+09	1.73576e+09
e1032.362.06	2006-12-28	12:57:42.137	51.65676	7.74351	1106	1.5	1.7	2.07989e+11	1.74265e+11	-3.82253e+11	1.99324e+11	9.40917e+10	5.80275e+09
e1058.363.06	2006-12-29	00:44:11.201	51.65581	7.74601	1060	0.9	1.0	1.00095e+10	1.28432e+10	-2.28527e+10	1.67460e+10	-2.99662e+09	-2.39964e+10
e1065.363.06	2006-12-29	12:28:15.574	51.65681	7.74396	1116	1.3	1.4	8.04681e+10	5.68410e+10	-1.37309e+11	7.06233e+10	2.57355e+10	-4.76941e+09
e1067.363.06	2006-12-29	12:51:38.652	51.65597	7.74491	1061	1.0	1.0	1.37935e+10	1.4363e+10	-2.81301e+10	1.67823e+10	-4.60762e+09	-1.90394e+10
e1068.363.06	2006-12-29	17:28:52.440	51.65748	7.74403	1024	-0.0	0.4	9.88996e+08	1.86650e+09	-2.85550e+09	1.84608e+10	3.09617e+08	-1.77380e+10
e1109.365.06	2006-12-31	01:57:11.004	51.65735	7.74308	1065	0.3	0.7	2.29247e+09	6.62590e+09	-8.91837e+09	-4.38624e+09	6.59710e+09	-5.60186e+09
e1114.365.06	2006-12-31	02:43:54.505	51.65732	7.74324	1028	-0.0	0.6	5.33179e+09	3.01589e+09	-8.34768e+09	-4.31785e+09	2.68053e+09	-1.16396e+07
e1118.365.06	2006-12-31	05:06:10.490	51.65685	7.74388	1039	1.0	1.0	-1.20883e+09	2.03811e+10	-1.90723e+10	7.93445e+09	4.82485e+09	-2.80075e+10
e1122.365.06	2006-12-31	11:05:34.683	51.65718	7.74369	1065	-0.0	0.5	3.04603e+09	2.02033e+09	-5.06637e+09	-3.21621e+09	3.15481e+09	5.50586e+10
e1127.365.06	2006-12-31	13:30:14.075	51.65363	7.74381	1052	0.0	0.4	7.84201e+08	1.171213e+09	-1.95545e+09	-9.85078e+08	2.92055e+09	-2.74724e+09
e1130.365.06	2006-12-31	14:51:09.042	51.65566	7.74450	1144	1.0	1.1	1.97986e+10	2.32813e+10	-4.30781e+10	2.48056e+10	-3.00773e+09	-2.21967e+10
e0048.001.07	2007-01-01	22:58:58.054	51.65722	7.74270	1000	0.2	0.6	-2.54930e+08	5.81361e+09	-5.55868e+09	1.61957e+09	1.19775e+09	-6.55700e+09
e0058.002.07	2007-01-02	06:58:07.657	51.65728	7.74384	1000	0.1	0.6	4.01486e+09	3.30310e+09	-7.31797e+09	-4.89879e+09	3.9451e+09	7.52421e+08
e0069.002.07	2007-01-02	09:49:07.473	51.65680	7.74261	1071	-0.0	0.6	4.39678e+09	2.80302e+09	-7.19800e+09	-4.82725e+09	3.99431e+09	8.14332e+08
e0068.002.07	2007-01-02	09:59:55.076	51.65736	7.74269	1004	1.2	1.2	4.81267e+10	1.09413e+10	-8.91266e+10	2.29646e+10	-3.80496e+10	-1.07663e+10
e0075.002.07	2007-01-02	11:53:01.583	51.65560	7.74395	1065	1.2	1.3	4.73136e+10	4.18131e+10	-8.91266e+10	5.00051e+10	-6.68377e+09	-3.85949e+10
e0085.002.07	2007-01-02	21:32:43.979	51.65703	7.74395	1057	1.0	1.1	-6.50519e+08	3.08324e+10	-3.01819e+10	8.77387e+09	4.73865e+09	-3.84891e+10
e0106.003.07	2007-01-03	08:03:54.455	51.65623	7.74546	1193	1.4	1.3	4.74346e+10	3.44485e+10	-8.18831e+10	4.27180e+10	-2.98757e+10	-4.70300e+10
e0114.003.07	2007-01-03	15:09:02.954	51.65740	7.74414	999	1.0	1.1	2.24536e+10	3.77830e+09	-2.62319e+10	1.19011e+10	-4.16209e+10	-5.88875e+09
e0114.003.07	2007-01-03	17:18:26.998	51.65743	7.74370	1053	0.1	0.6	5.53405e+09	2.92474e+09	-8.45800e+09	-4.27994e+09	2.9707e+09	5.90143e+07
e0166.004.07	2007-01-04	09:13:00.059	51.65692	7.74406	1040	-0.0	0.5	2.98778e+09	2.57603e+09	-5.56381e+09	-3.36944e+09	2.23386e+09	4.56206e+08
e0226.005.07	2007-01-05	23:24:34.842	51.65791	7.74384	1126	0.2	0.5	4.37417e+09	5.78925e+08	-4.95309e+09	1.66632e+09	-3.80031e+09	-7.68720e+08
e0234.006.07	2007-01-06	03:43:39.255	51.65568	7.74409	1163	0.3	0.6	3.43149e+09	4.25760e+09	-7.68909e+09	3.88104e+09	-2.36146e+09	-3.77912e+09
e0236.006.07	2007-01-06	03:54:22.858	51.65599	7.74430	1292	1.3	1.4	6.94654e+10	9.18233e+10	-1.26349e+11	6.35774e+10	-3.91335e+10	-4.80613e+10
e0251.006.07	2007-01-06	07:09:39.830	51.65586	7.73715	1128	1.1	1.1	3.50737e+10	4.18226e+09	-4.42559e+10	2.27864e+10	-1.80080e+10	5.64313e+09
e0288.007.07	2007-01-07	09:08:36.108	51.65591	7.74424	1075	1.3	1.2	3.27135e+10	2.84471e+10	-6.11606e+10	3.08041e+10	-2.22762e+10	-2.75089e+10
e0291.007.07	2007-01-07	11:29:53.523	51.65818	7.74393	1063	0.1	0.7	5.43894e+09	6.13385e+09	-1.15728e+10	6.48095e+09	2.59133e+08	-3.98142e+09
e0293.007.07	2007-01-07	18:13:06.833	51.65579	7.74491	1000	0.5	0.6	2.97082e+09	3.5077e+09	-6.50160e+09	3.59206e+09	-2.32801e+09	-5.41561e+09
e0301.007.07	2007-01-07	21:05:45.737	51.65609	7.74471	1100	1.1	1.2	3.73113e+10	2.27168e+10	-6.00281e+10	2.91335e+10	-2.87735e+10	-2.40711e+10
e0329.008.07	2007-01-08	06:42:54.237	51.65593	7.74553	1057	0.9	0.9	1.06457e+10	8.40922e+09	-1.90549e+10	9.97799e+09	-8.91401e+09	-1.33555e+10
e0334.008.07	2007-01-08	16:28:11.028	51.65728	7.74350	1000	1.1	1.2	4.82654e+10	5.66929e+09	-5.3947e+10	1.78497e+10	-4.48002e+10	-7.13328e+09

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0340.008.07	2007-01-08	20:25:45.091	51.65590	7.74546	1056	1.0	1.0	1.66047e+10	1.20568e+10	-2.86614e+10	1.58071e+10	-8.33181e+09	-1.78427e+10
e0390.010.07	2007-01-10	11:38:49.771	51.65600	7.74460	1016	0.2	0.5	1.85320e+09	2.77799e+09	-4.63120e+09	2.44157e+09	-1.67050e+09	-3.84175e+09
e0408.010.07	2007-01-10	20:23:04.265	51.65607	7.74499	1061	0.7	1.0	1.28816e+10	1.60426e+10	-2.89243e+10	1.67279e+10	-3.98072e+09	-1.82565e+10
e0420.011.07	2007-01-11	02:29:36.013	51.65606	7.74495	1141	-0.0	0.5	4.57728e+09	1.42354e+09	-6.00082e+09	2.89747e+09	-3.80567e+08	1.33291e+09
e0424.011.07	2007-01-11	08:20:28.037	51.65658	7.74479	1125	0.8	1.0	1.01383e+10	1.68931e+10	-1.69537e+10	1.35117e+10	-1.03386e+10	-2.02496e+10
e0434.011.07	2007-01-11	13:20:43.030	51.65633	7.74608	995	0.3	0.5	2.22215e+09	1.95572e+09	-3.91752e+09	2.47431e+09	-1.77494e+09	-4.35414e+09
e0439.011.07	2007-01-11	17:20:28.265	51.65646	7.74482	1000	0.8	1.0	1.04092e+10	1.58142e+10	-2.62233e+10	1.32700e+10	-1.12232e+10	-2.08232e+10
e0443.011.07	2007-01-11	19:31:15.845	51.65718	7.74364	1063	0.1	0.5	4.98396e+09	-1.11400e+09	-3.86996e+09	1.41103e+09	-3.58371e+09	2.10904e+09
e0450.012.07	2007-01-12	06:31:33.487	51.65770	7.74523	1000	0.1	0.6	7.82139e+09	9.92284e+08	-8.81368e+09	2.80802e+09	1.03385e+09	7.47751e+08
e0464.012.07	2007-01-12	17:42:45.858	51.65774	7.74343	1035	1.1	1.2	4.70194e+10	8.46187e+09	-5.54813e+10	2.10264e+10	-4.24011e+10	-9.57114e+09
e0472.012.07	2007-01-12	22:48:18.324	51.65607	7.74508	1104	1.1	1.3	3.68212e+10	4.50940e+10	-8.19152e+10	4.66137e+10	-1.29515e+10	-5.10856e+10
e0489.013.07	2007-01-13	09:23:25.877	51.65582	7.74503	1181	0.5	0.8	4.72243e+09	8.74561e+09	-1.34680e+10	9.06009e+09	5.91279e+08	9.68016e+09
e0492.013.07	2007-01-13	12:06:36.410	51.65759	7.74406	1000	0.2	0.5	-7.73480e+07	3.17417e+09	-3.09682e+09	1.05206e+09	4.98604e+08	-5.34972e+09
e0493.013.07	2007-01-13	12:08:44.633	51.65740	7.74439	1000	0.8	0.9	-7.09939e+08	1.38570e+10	-1.31471e+10	-2.10472e+09	9.21789e+09	-1.89440e+10
e0522.014.07	2007-01-14	02:18:45.368	51.65741	7.74436	1056	0.5	0.9	1.76678e+10	7.45105e+09	-2.51189e+10	1.14766e+10	4.14343e-06	7.21541e-07
e0529.014.07	2007-01-14	06:04:10.250	51.65589	7.74460	1160	1.1	1.2	2.30207e+10	3.56103e+10	-5.86310e+10	3.37800e+10	-4.31384e+09	-5.31334e+10
e0531.014.07	2007-01-14	09:06:28.625	51.65836	7.74351	1000	0.3	0.9	2.35444e+10	9.52084e+08	-2.44965e+10	-5.76655e+09	-3.72302e+09	-2.46609e+09
e0565.016.07	2007-01-16	10:00:23.382	51.65721	7.74439	1000	0.9	0.8	-2.55050e+08	9.94420e+09	-9.68915e+09	3.47821e+09	1.67017e+09	-1.43152e+10
e0567.016.07	2007-01-16	12:36:35.313	51.65801	7.74475	1060	0.2	0.7	8.00362e+09	4.30196e+09	-1.23056e+10	-5.98436e+09	2.36781e+09	-2.72006e+08
e0580.017.07	2007-01-17	05:36:32.935	51.65784	7.74344	1032	0.8	0.9	1.56382e+10	2.88962e+09	-1.82787e+10	7.28074e+09	-1.63795e+10	-3.40145e+08
e0582.017.07	2007-01-17	13:22:56.149	51.65605	7.74422	1207	0.5	0.8	5.53260e+09	9.38888e+09	-1.49215e+10	9.00848e+09	5.44666e+08	-8.00454e+09
e0610.018.07	2007-01-18	01:53:34.379	51.65877	7.74352	1000	0.6	0.9	2.10406e+10	3.03210e+09	-2.40727e+10	4.07660e+09	4.07660e+09	-5.02571e+09
e0716.020.07	2007-01-20	23:54:16.933	51.65771	7.74279	1067	1.2	1.2	5.40452e+10	-2.40117e+09	-5.16440e+10	4.74484e+09	-4.52833e+10	1.19124e+10
e0851.024.07	2007-01-24	21:52:50.970	51.65745	7.74472	1000	0.4	0.6	2.51817e+09	3.66920e+09	-6.18738e+09	3.05334e+09	-3.76290e+09	-5.18715e+09
e0856.024.07	2007-01-24	23:09:57.218	51.65563	7.74491	1032	0.4	0.6	7.29690e+09	8.41819e+08	-8.13872e+09	3.50788e+09	-1.99284e+09	1.74970e+09
e0874.025.07	2007-01-25	01:43:54.949	51.65851	7.74624	1062	0.2	0.7	8.36167e+09	3.32271e+09	-1.16844e+10	-5.51234e+09	4.33170e+09	-7.73534e+08
e0881.025.07	2007-01-25	05:38:19.633	51.65866	7.74292	1000	0.2	0.7	1.12087e+10	1.25631e+09	-1.24650e+10	-3.91671e+09	-1.09888e+09	-8.04403e+08
e0886.025.07	2007-01-25	11:13:18.636	51.65588	7.74578	1149	0.7	0.9	9.62667e+09	1.01786e+10	-1.98053e+10	1.20398e+10	-2.81785e+09	-1.35572e+10
e0888.025.07	2007-01-25	11:50:56.764	51.65746	7.74449	1008	0.7	0.9	1.12918e+10	7.95040e+09	-1.92422e+10	9.47492e+09	-1.23686e+10	-1.03785e+10
e0890.025.07	2007-01-25	11:57:27.967	51.65774	7.74490	1000	0.2	0.5	7.27764e+08	1.32462e+09	-2.05238e+09	-2.15661e+09	5.46751e+09	-1.42050e+09
e0895.025.07	2007-01-25	14:08:43.393	51.65649	7.74566	1092	0.7	0.8	6.25829e+09	1.36539e+10	-1.36539e+10	7.69485e+09	-3.63801e+09	-1.01802e+10
e0929.026.07	2007-01-26	12:59:47.435	51.65645	7.74586	1280	0.5	0.8	7.41425e+09	6.60361e+09	-1.40179e+10	7.85269e+09	-4.02382e+09	-9.53061e+09
e0943.026.07	2007-01-26	20:26:47.236	51.65807	7.74320	1144	1.2	1.3	8.15599e+10	-4.77851e+09	-7.67814e+10	4.36483e+09	-5.70045e+10	2.11263e+10
e0957.026.07	2007-01-26	23:34:34.283	51.65740	7.74332	1133	0.4	0.7	5.70412e+09	4.97054e+09	-1.06747e+10	5.32818e+09	-5.02825e+09	-4.38412e+09
e0978.027.07	2007-01-27	09:31:26.243	51.65726	7.74449	1143	0.0	0.8	9.35604e+09	6.90124e+09	-1.62573e+10	-9.15579e+09	5.65499e+09	8.30267e+08
e1029.029.07	2007-01-29	20:15:13.951	51.65750	7.74417	1060	0.0	0.6	5.12472e+09	3.05191e+09	-8.17663e+09	-4.56819e+09	2.58901e+09	8.02779e+08
e1035.029.07	2007-01-29	21:48:54.729	51.65624	7.74471	1169	-0.0	0.4	1.78545e+09	1.99841e+09	-3.78386e+09	2.05303e+09	-7.63574e+08	-2.09873e+09
e1045.030.07	2007-01-30	00:26:24.080	51.65772	7.74385	1000	0.6	0.9	8.47647e+09	1.52349e+10	-2.37114e+10	1.16306e+10	-2.42567e+09	-7.53060e+09
e1048.030.07	2007-01-30	01:43:33.770	51.65770	7.74442	1000	0.8	0.9	1.76123e+10	-4.12431e+09	-1.34880e+10	4.66646e+09	-1.69753e+10	8.15197e+09
e1055.030.07	2007-01-30	09:54:50.103	51.65659	7.74479	1196	0.3	0.7	4.63504e+09	5.84509e+09	-1.04801e+10	5.61305e+09	-2.37460e+09	-6.21315e+09
e1079.030.07	2007-01-30	23:31:09.966	51.65793	7.74435	1112	-0.0	0.5	3.95275e+09	1.97270e+09	-5.92545e+09	2.79823e+09	-1.64440e+09	-1.38880e+09
e1097.031.07	2007-01-31	17:21:17.568	51.65729	7.74416	854	0.1	0.5	-5.88081e+09	6.28619e+09	-4.05379e+08	4.56839e+08	1.55231e+09	-2.81146e+08
e2024.032.07	2007-02-01	23:01:10.821	51.65796	7.74469	1120	0.6	0.7	3.79399e+09	4.90086e+09	-8.66025e+09	5.46843e+09	-1.94387e+09	-8.26022e+09
e0039.033.07	2007-02-02	09:39:47.007	51.65783	7.74457	1110	0.0	0.5	1.67030e+09	3.30223e+09	-4.97253e+09	-3.6603e+09	2.50743e+09	9.34573e+08
e0040.033.07	2007-02-02	10:35:54.309	51.65788	7.74452	1171	0.1	0.5	2.19638e+09	3.30263e+09	-5.49902e+09	-3.49421e+09	1.91360e+09	9.76740e+08
e0043.033.07	2007-02-02	11:21:22.342	51.65763	7.74487	1033	0.5	0.8	9.09871e+09	8.16583e+09	-1.72645e+10	8.78266e+09	-1.37822e+09	-3.6432e+09
e0044.033.07	2007-02-02	11:23:36.146	51.65768	7.74340	1063	0.9	0.9	2.09643e+10	-1.16358e+09	-1.98007e+10	-9.76777e+08	-1.31217e+10	6.43125e+09
e0046.033.07	2007-02-02	11:35:48.865	51.65800	7.74570	1000	0.6	1.2	6.46746e+10	4.14301e+09	-6.88176e+10	-1.92842e+10	1.08109e+10	7.42992e+09
e0048.033.07	2007-02-02	12:03:47.587	51.65752	7.74517	1155	1.3	1.5	7.99102e+10	1.06190e+11	-1.86100e+11	9.98385e+10	-6.07357e+10	-6.07357e+10

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0072.034.07	2007-02-03	16:27:46.386	51.65934	7.74308	1000	0.2	0.6	6.74880e+09	8.52335e+08	-7.60114e+09	3.10834e+09	-2.51278e+09	-3.38111e+09
e0100.036.07	2007-02-05	10:54:23.049	51.65751	7.74492	1053	-0.0	0.6	2.62916e+09	5.18900e+09	-7.81875e+09	-4.52653e+09	-3.37911e+09	-1.90614e+08
e0101.036.07	2007-02-05	13:14:06.257	51.65786	7.74471	1170	0.1	0.6	2.82276e+09	4.94981e+09	-7.77256e+09	-4.84260e+09	2.91811e+09	1.01294e+09
e0107.036.07	2007-02-05	19:06:07.720	51.65752	7.74478	1000	1.0	0.9	6.83736e+09	1.37388e+10	-2.05762e+10	1.11289e+10	-1.89411e+09	-1.31019e+10
e0122.037.07	2007-02-06	18:00:10.214	51.65774	7.74526	1033	0.1	0.5	-4.26839e+07	4.58909e+09	-4.54641e+09	-3.26201e+09	2.77825e+09	7.65270e+08
e0146.038.07	2007-02-07	02:46:47.522	51.65763	7.74477	1000	1.4	1.4	5.63854e+10	6.88096e+10	-1.25395e+11	6.51520e+10	-2.44921e+10	-5.72512e+10
e0151.038.07	2007-02-07	07:27:17.884	51.65734	7.74384	1000	0.8	1.1	3.73431e+10	6.00147e+09	-4.33446e+10	-1.51418e+10	-2.21261e+10	1.17647e+10
e0165.039.07	2007-02-08	17:20:19.612	51.65800	7.74406	1033	1.1	1.1	4.33868e+10	-2.33199e+09	-4.10548e+10	5.24767e+09	-2.45290e+10	9.79793e+09
e0170.039.07	2007-02-08	22:38:18.754	51.65766	7.74489	1063	0.2	0.6	1.97062e+09	5.71132e+09	-7.68214e+09	-4.53220e+09	3.32384e+09	2.65959e+08
e0172.040.07	2007-02-09	00:45:20.430	51.65751	7.74511	1000	1.2	1.2	1.77214e+10	3.99000e+10	-5.77115e+10	3.16222e+10	-3.44411e+09	-3.71230e+10
e0184.040.07	2007-02-09	19:00:06.241	51.65744	7.74511	1000	0.8	0.9	6.08850e+09	1.33451e+10	-1.94336e+10	1.11387e+10	-1.44434e+09	-1.44356e+10
e0185.040.07	2007-02-09	19:17:54.990	51.65736	7.74419	1000	0.0	0.5	3.93253e+09	1.37840e+09	-3.31094e+09	2.42341e+09	-3.18336e+09	-1.00925e+09
e0187.040.07	2007-02-09	19:39:46.327	51.65796	7.74395	1000	0.4	0.5	4.13326e+09	-1.12809e+09	-3.00518e+09	1.55128e+09	-4.44809e+09	1.98115e+09
e0196.041.07	2007-02-10	06:09:17.220	51.65822	7.74396	1045	1.0	1.0	2.80782e+10	-3.94564e+09	-2.41326e+10	1.51013e+09	-2.07692e+10	1.14942e+10
e0203.041.07	2007-02-10	16:22:29.661	51.65785	7.74501	1012	1.5	1.5	7.56550e+10	1.03272e+11	-1.78927e+11	9.39817e+10	-2.32363e+10	-7.89644e+10
e0221.042.07	2007-02-11	19:21:59.064	51.65455	7.73721	1000	0.2	0.5	5.06123e+09	9.13923e+08	-5.97515e+09	2.56202e+09	-8.33753e+07	1.47070e+09
e0232.043.07	2007-02-12	03:44:00.021	51.65767	7.74496	1000	1.0	1.0	8.86509e+09	1.91042e+10	-2.79693e+10	1.48302e+10	-4.25264e+09	-2.01986e+10
e0243.043.07	2007-02-12	13:57:34.194	51.65795	7.74398	1046	1.2	1.2	5.74598e+10	-7.71544e+09	-4.97443e+10	1.42174e+08	-3.88825e+10	2.41284e+10
e0271.044.07	2007-02-13	14:48:47.103	51.65771	7.74505	1000	1.5	1.3	2.93371e+10	5.29487e+10	-8.22857e+10	4.47332e+10	-1.01989e+10	-5.17430e+10
e0297.045.07	2007-02-14	18:59:08.258	51.65883	7.74337	1075	-0.0	0.4	2.91949e+09	1.30546e+09	-4.22494e+09	-2.20533e+09	7.57719e+08	6.90018e+08
e0298.045.07	2007-02-14	19:09:10.765	51.65746	7.74760	1114	1.1	1.2	2.60740e+10	1.40467e+10	-4.01207e+10	3.24086e+10	-1.26396e+10	-5.05754e+10
e0319.046.07	2007-02-15	07:35:48.920	51.65930	7.74246	998	0.7	0.7	1.03665e+10	7.01382e+08	-1.10679e+10	-3.49257e+09	-5.52697e+09	-7.18829e+08
e0327.046.07	2007-02-15	19:48:20.863	51.65811	7.74398	1000	1.2	1.3	7.52557e+10	-2.56519e+09	-7.26905e+10	-1.29505e+10	-5.69436e+10	3.33580e+10
e0349.047.07	2007-02-16	01:22:29.385	51.65850	7.74364	1128	0.5	1.1	4.65588e+10	-2.79039e+09	-4.93498e+10	-1.14190e+10	-8.60315e+09	1.40963e+09
e0382.047.07	2007-02-16	23:34:46.615	51.65762	7.74509	1000	1.2	1.1	1.44070e+10	2.71673e+10	-4.15743e+10	2.17821e+10	-6.40046e+09	-2.36795e+10
e0433.050.07	2007-02-19	18:39:05.395	51.65748	7.74499	1000	1.3	1.2	1.72007e+10	3.89261e+10	-5.61268e+10	3.16789e+10	-3.13750e+09	-3.85951e+10
e0445.050.07	2007-02-19	23:53:18.777	51.65802	7.74390	1100	0.6	0.8	1.43833e+10	-1.05612e+09	-1.33272e+10	-3.03376e+09	-7.93896e+09	7.115490e+09
e0458.051.07	2007-02-20	08:54:41.690	51.65779	7.74499	1090	0.7	1.1	1.76739e+10	2.88312e+10	-4.63051e+10	-2.53553e+10	1.46912e+10	-2.95914e+07
e0478.051.07	2007-02-20	20:14:40.942	51.65811	7.74331	1135	0.5	0.8	1.44146e+10	-2.55416e+09	-1.18604e+10	8.85513e+08	-9.87251e+09	6.36322e+09
e0487.051.07	2007-02-20	20:51:53.407	51.65809	7.74476	1191	0.7	0.9	1.97077e+10	-1.85639e+09	-1.78513e+10	-2.90296e+09	-5.75378e+09	-1.04480e+09
e0488.051.07	2007-02-20	23:14:34.506	51.65816	7.74516	1102	0.3	0.8	8.32543e+09	8.15355e+09	-1.64790e+10	-8.85185e+09	5.75378e+09	5.27242e+08
e0514.052.07	2007-02-21	11:09:31.825	51.65789	7.74636	1038	1.3	1.3	2.17640e+10	4.35123e+10	-6.52765e+10	4.41886e+10	-6.31596e+09	-6.85088e+10
e0543.052.07	2007-02-21	23:14:19.288	51.65807	7.74548	1000	1.0	1.0	4.71239e+09	1.89802e+10	-2.36926e+10	1.31022e+10	-1.51741e+09	-2.47600e+10
e0560.053.07	2007-02-22	14:58:18.185	51.65952	7.74325	1081	-0.0	0.5	4.79384e+09	9.62339e+08	-5.75618e+09	2.16564e+09	-2.20184e+09	-1.32374e+09
e0570.053.07	2007-02-22	16:48:28.080	51.65802	7.74524	1045	1.0	1.0	5.42115e+09	1.89867e+10	-2.44079e+10	1.39235e+10	-1.35274e+09	-2.38781e+10
e0584.054.07	2007-02-23	12:41:09.261	51.65810	7.74589	1084	1.0	1.0	5.13945e+09	1.74402e+10	-2.25797e+10	1.39431e+10	-1.37045e+09	-2.58462e+10
e0609.055.07	2007-02-24	01:29:02.385	51.65832	7.74636	1087	0.4	0.7	2.39657e+09	5.74023e+09	-8.13682e+09	4.79899e+09	-1.52546e+09	-8.98338e+09
e0610.055.07	2007-02-24	01:56:13.511	51.65796	7.74576	1004	1.0	1.1	9.06726e+09	2.72324e+10	-3.63015e+10	2.15785e+10	-6.78021e+08	-3.12240e+10
e0643.055.07	2007-02-24	22:05:41.474	51.65812	7.74331	1000	0.0	0.4	3.22566e+09	-1.111659e+09	-2.10907e+09	4.45194e+08	-2.82275e+09	1.93302e+09
e0660.056.07	2007-02-24	23:42:44.640	51.65864	7.74660	1108	0.4	0.8	6.02912e+09	1.02530e+10	-1.65821e+10	-8.51785e+09	2.57785e+09	-2.15628e+09
e0665.056.07	2007-02-25	06:01:58.783	51.65924	7.74203	1068	-0.0	0.5	3.10862e+09	3.08145e+09	-6.19007e+09	-3.12354e+09	1.05565e+09	-4.49299e+08
e0666.056.07	2007-02-25	02:34:28.645	51.65833	7.74600	1095	-0.0	0.5	2.77322e+09	2.79443e+09	-5.56768e+09	-3.10248e+09	2.57354e+09	-5.59343e+08
e0667.056.07	2007-02-25	06:32:40.610	51.65759	7.74272	1000	1.0	1.1	3.85076e+10	-7.19909e+09	-3.13085e+10	1.98630e+09	-3.01354e+10	1.84702e+10
e0684.056.07	2007-02-25	14:13:02.495	51.65840	7.74587	1074	0.3	0.8	8.47167e+09	7.0363e+09	-1.55083e+10	-8.53946e+09	7.69040e+09	-1.80764e+09
e0686.056.07	2007-02-25	14:56:06.624	51.65849	7.74520	1100	0.3	0.7	7.72717e+09	4.77288e+09	-1.20451e+10	6.23273e+09	3.04085e+09	-1.46404e+08
e0688.056.07	2007-02-25	15:08:14.245	51.65775	7.74583	996	0.9	1.0	5.25386e+09	1.69109e+10	-2.21647e+10	1.51380e+10	-2.23976e+08	-2.50336e+10
e0703.057.07	2007-02-26	08:14:43.028	51.65811	7.74394	1000	1.1	1.3	7.52999e+10	-8.52500e+09	-6.67748e+10	-3.34825e+09	-6.08543e+10	3.44199e+10

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{mn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0718.057.07	2007-02-26	19:46:22.979	51.65822	7.74584	1022	0.2	0.7	6.09818e+09	4.38209e+09	-1.04803e+10	-5.97945e+09	6.19900e+09	-1.09305e+09
e0721.057.07	2007-02-26	20:35:00.242	51.65811	7.74570	1000	1.0	1.0	6.40956e+09	1.79983e+10	-2.44079e+10	-1.43717e+10	-2.18525e+09	-2.38164e+10
e0733.058.07	2007-02-27	12:48:11.561	51.65737	7.73549	1295	0.6	0.9	6.43789e+09	6.47769e+09	-1.29156e+10	-8.70773e+09	1.95636e+10	-6.87676e+09
e0736.058.07	2007-02-27	14:27:23.152	51.65763	7.74346	675	1.2	1.2	1.94383e+10	1.29459e+10	-3.23842e+10	2.21454e+10	-5.88419e+10	-1.61862e+10
e0771.059.07	2007-02-28	18:39:09.387	51.65809	7.74566	1000	1.0	1.2	1.75046e+10	4.07493e+10	-5.82538e+10	3.06216e+10	-5.29252e+09	-3.69589e+10
e0774.059.07	2007-02-28	20:18:22.007	51.65810	7.74535	1095	1.7	1.5	8.73250e+10	2.89497e+10	-1.15835e+11	5.06837e+10	-1.54610e+11	-4.00942e+10
e0775.059.07	2007-02-28	20:28:06.300	51.65877	7.74372	1112	0.4	0.6	5.11521e+09	4.18437e+08	-5.55364e+09	2.61514e+09	-6.63841e+09	2.11175e+08
e0010.060.07	2007-03-01	14:13:42.922	51.65791	7.74544	1000	0.6	0.8	3.06417e+09	9.73671e+09	-1.28009e+10	7.76013e+09	8.82693e+07	-1.10441e+10
e0043.061.07	2007-03-02	21:01:23.719	51.65807	7.74554	1022	1.0	1.2	9.42395e+09	2.94242e+10	-3.88482e+10	2.93171e+10	-1.56414e+09	-5.40190e+10
e0076.062.07	2007-03-03	11:24:23.380	51.65945	7.74717	1000	2.0	1.8	4.03815e+11	-1.04247e+11	-2.9567e+11	-9.48167e+10	-3.69445e+11	-1.97259e+11
e0099.062.07	2007-03-03	15:41:30.812	51.65828	7.74578	1045	0.8	1.1	1.32042e+10	2.89106e+10	-4.21148e+10	2.21811e+10	-3.48759e+09	-2.48155e+10
e0136.063.07	2007-03-04	18:34:09.080	51.65863	7.74680	1016	0.2	0.7	9.46727e+09	2.68111e+09	-1.21484e+10	-5.52318e+09	-1.87076e+09	-1.51119e+09
e0139.063.07	2007-03-04	20:26:41.983	51.65833	7.74572	1000	0.2	0.5	4.86903e+08	1.81613e+09	-2.30303e+09	1.68091e+09	-6.24218e+08	-5.67238e+09
e0148.064.07	2007-03-05	10:19:54.146	51.65814	7.74592	1062	0.6	0.9	4.94924e+09	1.49653e+10	-1.99146e+10	1.07756e+10	-3.88251e+08	-1.38625e+10
e0158.064.07	2007-03-05	19:27:02.142	51.65911	7.74628	1263	0.2	0.6	7.20598e+08	2.54513e+09	-3.26573e+09	2.26774e+09	-1.05539e+09	-8.02156e+09
e0178.065.07	2007-03-06	11:35:58.969	51.65839	7.74389	1089	0.9	1.2	5.33818e+10	-8.59181e+09	-4.47900e+10	2.08821e+09	-4.39193e+10	2.47753e+10
e0184.065.07	2007-03-06	18:01:22.893	51.65816	7.74589	1114	0.0	0.6	1.97718e+09	5.92295e+09	-7.90013e+09	-4.45766e+09	2.93528e+09	4.94847e+08
e0208.066.07	2007-03-06	20:05:37.952	51.65796	7.74369	1010	0.9	1.2	2.98184e+10	4.05349e+10	-7.03534e+10	3.50578e+10	-4.00004e+08	6.461442e+09
e0253.067.07	2007-03-08	15:13:49.132	51.65848	7.74614	1092	0.7	1.0	3.51888e+10	-3.94676e+08	-3.47941e+10	-2.83031e+07	-4.52457e+09	-3.73305e+09
e0266.068.07	2007-03-09	00:03:01.904	51.65862	7.74639	1194	0.5	0.9	1.21260e+10	1.16616e+10	-2.37875e+10	1.31198e+10	5.38834e+09	-2.31442e+09
e0269.068.07	2007-03-09	00:25:47.974	51.65817	7.74599	1232	0.1	0.7	2.67687e+09	8.37846e+09	-1.10553e+10	-6.25711e+09	4.40292e+09	3.99866e+08
e0273.068.07	2007-03-09	01:40:31.635	51.65958	7.74725	1000	0.6	1.0	3.49583e+10	-2.14314e+09	-3.28152e+10	2.38136e+09	-1.38725e+09	-9.06927e+09
e0295.069.07	2007-03-10	03:06:56.645	51.65798	7.74589	1062	0.6	0.8	4.43943e+09	8.51625e+09	-1.29357e+10	7.91271e+09	-1.34345e+09	-1.10349e+10
e0304.069.07	2007-03-10	07:22:44.481	51.65826	7.74624	1112	-0.0	0.6	1.71955e+09	5.87080e+09	-7.59035e+09	-4.42887e+09	3.50710e+09	1.57641e+06
e0322.069.07	2007-03-10	18:55:14.499	51.65848	7.74644	1095	0.5	0.9	8.51636e+09	1.44827e+10	-2.29990e+10	1.482713e+10	8.44394e+09	-3.04583e+09
e0360.070.07	2007-03-11	14:32:40.459	51.65810	7.74605	1063	0.8	1.0	7.97825e+09	1.72374e+10	-2.52156e+10	1.50776e+10	-3.00313e+09	-2.28969e+10
e0384.071.07	2007-03-12	02:58:17.262	51.66012	7.74635	1108	0.6	0.8	1.58090e+10	1.64320e+08	-1.59733e+10	1.69550e+09	-7.66913e+09	-1.40993e+09
e0395.071.07	2007-03-12	11:25:44.975	51.65834	7.74631	1099	1.1	1.2	-1.55228e+10	4.25226e+10	-8.69426e+09	-2.68713e+10	5.82608e+10	-2.10384e+10
e0410.071.07	2007-03-12	23:11:52.441	51.65808	7.74634	1027	-0.0	0.6	1.41575e+09	6.11167e+09	-7.5742e+09	-4.34687e+09	5.53947e+09	1.73654e+07
e0432.072.07	2007-03-13	21:00:54.369	51.65831	7.74601	1169	-0.0	0.6	2.71768e+09	4.41431e+09	-7.13199e+09	-4.73503e+09	4.25719e+09	-1.41762e+08
e0459.073.07	2007-03-14	20:53:16.957	51.65820	7.74729	1127	-0.0	0.6	1.52188e+09	5.97286e+09	-2.16797e+10	2.11130e+10	-2.40322e+09	-3.64719e+10
e0481.074.07	2007-03-15	12:44:32.755	51.65820	7.74729	1127	-0.0	0.6	1.52188e+09	5.97286e+09	-2.16797e+10	2.11130e+10	-2.40322e+09	-3.64719e+10
e0482.074.07	2007-03-15	12:48:17.875	51.65805	7.74611	826	0.0	0.6	-8.84607e+09	8.80278e+09	4.32887e+07	2.16443e+07	7.67632e+08	-9.85464e+08
e0539.077.07	2007-03-18	10:42:15.717	51.65979	7.74742	1000	0.1	0.6	6.94614e+09	1.77028e+09	-8.71642e+09	-3.50874e+09	1.70814e+09	-7.24204e+08
e0540.077.07	2007-03-18	19:27:16.416	51.65804	7.74602	1000	0.5	0.8	3.50379e+09	1.03946e+10	-1.40984e+10	7.62857e+09	-2.74860e+08	-9.81392e+09
e0544.077.07	2007-03-18	20:30:16.218	51.65717	7.74644	1000	0.5	0.7	1.06001e+10	-1.65843e+09	-8.94169e+09	8.29973e+08	-6.51986e+09	4.21407e+09
e0571.079.07	2007-03-20	07:29:10.312	51.65947	7.74537	1000	1.8	1.6	2.26776e+11	6.80623e+08	-2.27457e+11	-2.14756e+10	-1.65387e+11	-6.0998e+09
e0587.080.07	2007-03-21	11:07:26.978	51.65938	7.74669	1178	0.7	1.0	1.31112e+09	2.0705e+10	-2.16817e+10	6.58969e+09	-1.98474e+09	-2.77160e+10
e0591.080.07	2007-03-21	16:29:09.247	51.65905	7.74725	1293	0.0	0.5	-5.31885e+08	3.45695e+09	-2.92507e+09	-1.83677e+09	4.27428e+09	-2.78797e+09
e0616.082.07	2007-03-23	20:20:23.500	51.65939	7.74095	1106	0.5	0.6	6.68780e+09	1.5748e+09	-8.26228e+09	-3.24752e+09	-3.06217e+09	1.33194e+09
e0623.083.07	2007-03-24	09:30:44.965	51.65816	7.74631	1051	0.3	0.5	9.61898e+08	3.22938e+09	-4.19148e+09	2.45602e+09	-3.03039e+08	-4.38462e+09
e0663.086.07	2007-03-27	07:42:01.196	51.65855	7.74708	1100	1.1	1.1	5.62845e+09	2.38795e+10	-2.95079e+10	1.80656e+10	-1.86024e+09	-3.80230e+10
e0692.090.07	2007-03-31	04:07:28.928	51.65957	7.74723	1010	0.5	0.6	3.81921e+09	5.69347e+08	-4.85855e+09	2.09981e+09	-7.57028e+09	-7.93462e+08
e0012.092.07	2007-04-02	23:15:24.138	51.65854	7.74703	1125	0.5	0.7	1.66728e+09	6.81818e+09	-8.48546e+09	4.39795e+09	-8.64967e+08	-8.81839e+09
e0024.095.07	2007-04-05	03:22:10.698	51.66081	7.74798	979	0.0	0.5	4.35076e+09	1.88988e+09	-6.24063e+09	-2.90906e+09	2.45171e+08	-7.51581e+08
e0036.098.07	2007-04-08	03:58:57.639	51.65806	7.74281	1152	0.4	0.6	6.72916e+09	-1.45572e+09	-5.27343e+09	9.55346e+08	-5.55447e+09	3.17224e+09
e0075.106.07	2007-04-16	06:56:22.774	51.65837	7.74485	1004	0.7	1.0	3.20675e+10	2.42297e+09	-3.44905e+10	1.01885e+10	-5.48247e+09	3.62865e+09

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0102.134.07	2007-05-14	20:07:56.016	51.65753	7.74252	1146	0.7	0.9	1.98575e+10	-6.01762e+09	-1.38399e+10	5.31947e+09	-1.41546e+10	9.55355e+09
e0172.163.07	2007-06-12	14:28:50.671	51.65279	7.74809	1000	-0.0	0.5	4.42661e+09	-6.19858e+09	-6.19858e+09	-2.91306e+09	1.48270e+08	8.51025e+08
e0180.164.07	2007-06-13	14:08:01.374	51.65261	7.74819	756	-0.0	0.6	2.32999e+08	6.6346e+09	-6.91646e+09	1.8673e+09	2.97862e+09	4.55943e+09
e0231.168.07	2007-06-17	03:40:48.237	51.65820	7.74729	1000	0.2	0.5	-1.21554e+08	2.24677e+09	-2.12522e+09	-9.44001e+08	4.04843e+09	-4.21190e+09
e0269.169.07	2007-06-18	14:27:50.244	51.65266	7.74858	1153	1.5	1.7	3.22286e+11	7.17071e+10	-3.93993e+11	-1.57158e+11	2.60925e+10	3.14613e+10
e0312.173.07	2007-06-22	22:34:35.086	51.66001	7.74449	1000	0.5	0.6	-1.91626e+08	4.34461e+09	-4.15298e+09	5.27410e+08	-2.91831e+09	-7.24971e+09
e0379.259.06	2006-09-16	18:53:43.863	51.65510	7.73783	1102	-0.2	0.3	1.68023e+09	1.24999e+09	-2.93023e+09	1.45212e+09	9.58892e+08	6.97085e+08
e0386.259.06	2006-09-16	20:22:32.090	51.65543	7.73788	1118	-0.3	0.3	1.47073e+09	1.08372e+09	-2.55445e+09	1.411009e+09	1.67811e+09	5.14029e+08
e0432.260.06	2006-09-17	08:06:47.894	51.65543	7.73822	1155	-0.5	0.3	9.50981e+07	2.74922e+09	-2.84492e+09	-1.06438e+09	1.00696e+09	-1.45168e+08
e0434.260.06	2006-09-17	09:16:34.538	51.65390	7.73931	1047	-0.2	0.2	5.39848e+08	1.65647e+09	-2.19632e+09	9.57384e+08	5.70423e+07	4.03057e+08
e0438.260.06	2006-09-17	12:12:53.061	51.65478	7.73852	1112	-0.4	0.2	1.13671e+09	5.67315e+08	-1.70402e+09	9.57124e+08	1.33393e+09	2.39974e+08
e0443.260.06	2006-09-17	13:26:49.084	51.65496	7.73855	1116	-0.1	0.3	1.74521e+09	1.17564e+09	-2.92086e+09	1.45050e+09	1.05508e+09	5.50632e+08
e0448.260.06	2006-09-17	13:35:08.866	51.65526	7.73831	1069	-0.1	0.3	1.72280e+09	1.23746e+09	-2.96026e+09	9.64592e+08	5.05415e+08	5.04515e+08
e0449.260.06	2006-09-17	14:43:54.282	51.65521	7.73829	1084	-0.2	0.3	1.46937e+09	1.15379e+09	-2.62316e+09	1.47245e+09	1.57891e+09	5.43521e+08
e0497.261.06	2006-09-18	03:08:00.021	51.65342	7.73675	1000	-0.3	0.2	7.96174e+08	1.07353e+09	-1.86970e+09	9.85048e+08	4.40178e+08	1.09851e+09
e0501.261.06	2006-09-18	03:47:47.984	51.65505	7.73883	1000	-0.2	0.2	1.63201e+09	3.30609e+08	-1.96262e+09	9.51144e+08	-8.0360e+08	2.33801e+08
e0531.262.06	2006-09-18	19:02:10.979	51.65437	7.73902	1000	-0.1	0.2	1.53984e+09	5.30653e+08	-2.07050e+09	1.06675e+09	-5.60299e+08	3.00237e+08
e0555.263.06	2006-09-19	18:06:35.459	51.65473	7.73916	1000	-0.1	0.3	8.11753e+08	1.67578e+09	-2.49333e+09	1.84842e+09	8.12531e+08	-1.03752e+09
e0629.266.06	2006-09-20	18:34:11.378	51.65559	7.73786	1000	-0.2	0.3	1.98573e+09	9.15448e+08	-2.90118e+09	1.57354e+09	-9.02451e+08	3.32523e+08
e0632.266.06	2006-09-23	14:11:28.687	51.65437	7.73942	1099	-0.2	0.4	1.66717e+09	2.02698e+09	-3.69415e+09	1.85877e+09	1.41879e+09	2.05358e+09
e0664.267.06	2006-09-24	01:49:13.526	51.65545	7.73797	1162	-0.3	0.2	7.63436e+08	7.11776e+08	-1.47524e+09	-8.21664e+08	1.47615e+09	-7.24431e+08
e0667.267.06	2006-09-24	02:18:12.380	51.65333	7.73739	1000	-0.5	0.0	4.07847e+08	5.82233e+08	-9.90800e+08	4.88455e+08	3.08213e+08	4.27253e+08
e0674.267.06	2006-09-24	05:11:07.010	51.65272	7.74039	1022	-0.5	0.1	5.21743e+08	1.05833e+09	-1.58007e+09	7.47282e+08	-3.90010e+08	3.80195e+06
e0685.267.06	2006-09-24	06:25:26.880	51.65443	7.73619	1000	-0.2	0.2	7.61855e+08	1.23071e+09	-1.99257e+09	1.00371e+09	9.59010e+08	9.18066e+08
e0693.267.06	2006-09-24	22:09:10.689	51.65380	7.74018	1118	-0.5	0.2	6.50640e+08	1.24530e+09	-1.85959e+09	9.05949e+08	7.89710e+08	8.84950e+08
e0748.268.06	2006-09-25	21:21:43.121	51.65600	7.73813	996	-0.3	0.3	4.14795e+08	2.62369e+09	-3.03848e+09	-1.19233e+09	6.54888e+08	-7.33653e+07
e0755.268.06	2006-09-25	21:59:38.747	51.65385	7.73923	1100	-0.1	0.3	7.42356e+08	2.11410e+09	-2.85646e+09	1.44195e+09	1.34233e+08	-1.14579e+09
e0790.269.06	2006-09-26	19:03:09.149	51.65544	7.73762	1071	-0.4	0.1	4.18305e+08	1.05267e+09	-1.47098e+09	6.93963e+08	-9.73822e+07	-5.45329e+08
e0799.269.06	2006-09-26	23:01:08.711	51.65592	7.73765	1000	-0.1	0.3	2.18688e+09	2.59246e+08	-2.44613e+09	9.27930e+08	-1.92802e+09	-7.13722e+07
e0837.270.06	2006-09-27	19:47:34.055	51.65443	7.74014	1276	-0.2	0.3	1.67457e+09	1.28729e+09	-2.96187e+09	1.57430e+09	9.48484e+08	7.04645e+07
e0868.271.06	2006-09-28	14:27:16.083	51.65551	7.73843	1095	-0.1	0.4	1.74420e+09	2.13815e+09	-3.90235e+09	1.84453e+09	1.84453e+09	3.49743e+08
e0894.271.06	2006-09-28	22:27:04.785	51.65566	7.73844	1118	-0.2	0.3	1.39034e+09	1.53914e+09	-2.94948e+09	1.62466e+09	9.09748e+08	-3.36677e+07
e0934.272.06	2006-09-29	21:03:16.387	51.65537	7.73875	1104	-0.3	0.3	4.54276e+08	2.42829e+09	-2.88256e+09	-1.40453e+09	7.18433e+08	5.52350e+08
e0005.274.06	2006-10-01	01:41:45.592	51.65565	7.73850	1080	-0.4	0.0	2.88067e+08	6.83482e+08	-9.71548e+08	4.44045e+08	-2.88941e+08	-4.80879e+08
e0028.274.06	2006-10-01	22:06:39.608	51.65579	7.73836	1170	-0.5	0.2	1.10235e+09	8.38022e+08	-1.94036e+09	1.02852e+09	9.97657e+08	3.42784e+08
e0048.275.06	2006-10-02	22:41:35.825	51.65555	7.73880	1080	-0.2	0.2	7.40129e+08	1.20651e+09	-1.94664e+09	1.00201e+09	-3.26684e+08	-1.00234e+09
e0049.275.06	2006-10-02	22:42:20.284	51.65574	7.73827	807	-0.4	0.1	-1.52751e+09	1.53617e+09	-8.65270e+06	-3.21180e+08	1.77165e+08	1.75369e+08
e0073.276.06	2006-10-03	14:01:12.032	51.65583	7.73839	1091	-0.3	0.2	9.38743e+08	1.21729e+09	-2.15603e+09	1.09039e+09	5.07702e+08	2.43767e+08
e0080.276.06	2006-10-03	15:39:16.582	51.65603	7.73814	1000	-0.3	0.1	1.00671e+09	1.45702e+08	-1.35477e+09	7.23121e+08	-7.07775e+08	5.50028e+07
e0081.276.06	2006-10-03	16:22:18.004	51.65554	7.73976	1154	-0.2	0.3	1.15417e+09	1.45702e+09	-2.61167e+09	1.31963e+08	1.37659e+09	1.0677e+09
e0085.276.06	2006-10-03	18:45:45.005	51.65567	7.73880	1065	-0.4	0.2	5.88737e+08	1.44161e+09	-2.03035e+09	-1.12849e+09	-1.38374e+09	-9.30317e+08
e0087.276.06	2006-10-03	20:37:57.508	51.65267	7.73641	1233	-0.4	0.2	9.43464e+08	1.02509e+09	-1.96915e+09	9.97833e+08	5.80811e+08	8.76927e+08
e0113.277.06	2006-10-04	19:35:04.866	51.65503	7.73928	1000	-0.2	0.1	1.98617e+08	1.08672e+09	-1.28534e+09	6.16516e+08	6.72711e+07	-8.31276e+08
e0123.277.06	2006-10-04	20:29:33.283	51.65522	7.73796	730	-0.4	0.2	-2.14670e+09	2.12780e+09	1.89014e+07	-3.86452e+08	3.18878e+08	4.39002e+08

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0125.277.06	2006-10-04	21:29:40.311	51.65593	7.73884	1077	-0.5	0.1	-1.48300e+07	1.37538e+09	-1.36055e+09	-5.08373e+08	5.93313e+08	-1.72966e+08
e0139.278.06	2006-10-05	15:31:16.773	51.65621	7.73749	1014	-0.1	0.3	2.20046e+09	6.44459e+08	-2.84092e+09	1.34921e+09	-1.22236e+09	5.16673e+07
e0147.278.06	2006-10-05	20:27:33.067	51.65542	7.73928	1163	-0.3	0.3	1.18233e+09	1.47915e+09	-2.66177e+09	1.36485e+09	1.37786e+09	9.50189e+08
e0163.279.06	2006-10-06	10:11:57.048	51.65600	7.73860	1369	-0.1	0.5	2.84679e+09	3.44646e+09	-6.29325e+09	3.13334e+09	3.55049e+08	2.70626e+08
e0174.279.06	2006-10-06	17:20:18.625	51.65552	7.73901	1000	-0.1	0.2	7.11345e+08	1.23883e+09	-1.95234e+09	9.86915e+08	-3.45511e+08	-9.95368e+08
e0183.279.06	2006-10-06	19:46:36.535	51.65562	7.73939	1261	-0.3	0.4	2.28798e+09	1.78480e+09	-4.07277e+09	2.20616e+09	1.59388e+09	2.04403e+08
e0188.279.06	2006-10-06	20:27:19.059	51.65564	7.73908	1114	-0.3	0.2	8.67202e+08	1.00797e+09	-1.87571e+09	9.83836e+08	1.02787e+09	5.87599e+08
e0221.280.06	2006-10-07	12:18:10.403	51.65571	7.73998	1151	-0.2	0.4	1.63161e+09	2.30276e+09	-3.93437e+09	1.95667e+09	1.56863e+09	1.39333e+09
e0225.280.06	2006-10-07	16:24:09.004	51.65489	7.73866	1054	-0.2	0.4	4.29300e+09	-4.18797e+09	-1.05032e+08	9.55033e+08	-4.51867e+08	-9.19963e+08
e0242.280.06	2006-10-07	21:32:48.721	51.65572	7.73948	1127	-0.3	0.3	1.01976e+09	1.86354e+09	-2.88330e+09	-1.62072e+09	9.74864e+08	9.91552e+07
e0245.280.06	2006-10-07	21:57:05.477	51.65709	7.73801	1170	-0.1	0.4	3.77284e+09	5.83323e+08	-4.35616e+09	1.55807e+09	-3.69942e+07	1.72398e+08
e0251.281.06	2006-10-07	22:04:39.162	51.65534	7.73952	1055	-0.3	0.1	2.44073e+08	9.94442e+08	-1.23852e+09	6.13434e+08	-8.48498e+08	-9.18158e+08
e0252.281.06	2006-10-08	00:44:32.924	51.65541	7.73928	1098	-0.5	0.1	5.74362e+08	6.73790e+08	-1.24815e+09	6.24076e+08	7.06690e+08	6.72399e+08
e0252.281.06	2006-10-08	01:25:44.431	51.65294	7.73729	1000	-0.4	0.1	6.03209e+08	7.11485e+08	-1.31467e+09	7.15706e+08	2.86175e+08	7.86453e+08
e0255.281.06	2006-10-08	02:06:59.169	51.65567	7.73954	1116	-0.5	0.1	8.23607e+08	6.00630e+08	-1.42424e+09	-7.99226e+08	5.82543e+08	1.47462e+06
e0263.281.06	2006-10-08	10:14:09.352	51.65590	7.73936	1055	-0.1	0.4	1.69366e+09	2.35262e+09	-4.06238e+09	-2.36130e+09	1.38285e+09	2.77078e+08
e0425.288.06	2006-10-15	02:46:30.451	51.65590	7.73956	1000	-0.3	0.1	8.12698e+08	6.11577e+08	-1.42428e+09	7.05392e+08	-5.41567e+08	-4.35294e+08
e0440.288.06	2006-10-15	11:50:11.188	51.65588	7.74033	1202	-0.5	0.2	1.81010e+09	2.13132e+09	-3.94161e+09	2.19051e+09	1.80699e+09	4.59328e+08
e0476.290.06	2006-10-15	13:29:44.598	51.65422	7.74082	1000	-0.3	0.2	8.43503e+08	1.19772e+09	-2.04122e+09	1.17232e+09	6.85521e+08	-1.06220e+08
e0461.289.06	2006-10-16	20:03:46.776	51.65586	7.74014	1070	-0.4	0.2	9.09146e+08	8.03342e+08	-1.71249e+09	-1.07336e+09	1.26747e+09	-2.25928e+08
e0467.289.06	2006-10-16	22:25:56.099	51.65761	7.73636	1100	-0.4	0.1	1.33843e+09	1.65224e+08	-1.50365e+09	-4.78686e+08	-2.42336e+08	2.50716e+08
e0514.292.06	2006-10-17	18:08:19.893	51.64878	7.73781	1090	-0.2	0.3	1.53103e+09	1.52407e+09	-3.05099e+09	1.57518e+09	1.54476e+08	7.03385e+08
e0564.294.06	2006-10-21	18:24:49.297	51.65614	7.73980	1000	-0.1	0.4	2.19286e+09	1.91287e+09	-4.10573e+09	-2.18481e+09	1.54340e+09	-3.67141e+08
e0545.292.06	2006-10-19	18:42:39.391	51.65446	7.74159	1035	-0.2	0.2	8.96622e+08	4.91300e+08	-1.83792e+09	9.58994e+08	-8.10336e+08	-1.08891e+09
e0571.296.06	2006-10-23	00:26:21.125	51.65459	7.74150	1192	-0.4	0.4	1.66585e+09	2.08538e+09	-3.75123e+09	1.94153e+09	1.98936e+09	1.27583e+09
e0573.296.06	2006-10-23	00:49:14.487	51.65585	7.74073	1118	-0.3	0.3	1.90744e+09	7.05588e+08	-2.61303e+09	1.31642e+09	1.65229e+09	2.34377e+08
e0603.297.06	2006-10-24	17:53:32.003	51.65584	7.74033	1071	-0.3	0.4	2.36619e+09	7.52436e+08	-3.09129e+09	2.03922e+09	2.19238e+09	4.26156e+08
e0632.298.06	2006-10-25	11:10:14.419	51.65620	7.73626	1060	-0.2	0.3	2.33835e+09	1.43499e+09	-2.61526e+09	1.31591e+09	-1.43964e+08	-2.47154e+08
e0671.300.06	2006-10-26	17:16:54.654	51.65500	7.74068	1252	-0.1	0.3	1.18027e+09	8.52242e+08	-2.99467e+09	1.52078e+09	-1.00443e+09	-1.45382e+09
e0682.299.06	2006-10-26	21:59:44.773	51.65530	7.73544	1142	-0.2	0.3	2.14243e+09	1.20562e+09	-1.90932e+09	9.83720e+08	-3.89859e+08	7.24107e+08
e0716.300.06	2006-10-27	21:10:04.880	51.65462	7.74168	1104	-0.5	0.1	6.43512e+08	8.40911e+08	-1.48442e+09	8.25789e+08	3.94976e+08	-1.07748e+08
e0717.300.06	2006-10-27	21:17:50.367	51.65644	7.74040	1069	-0.1	0.4	1.04982e+09	1.88416e+09	-2.93398e+09	-1.61591e+09	2.75580e+09	-1.76545e+09
e0718.300.06	2006-10-27	21:18:07.959	51.65641	7.74017	1097	-0.3	0.2	7.03703e+08	1.20562e+09	-1.90932e+09	9.83720e+08	-3.89859e+08	7.24107e+08
e0720.300.06	2006-10-27	22:31:37.484	51.65564	7.74087	1028	-0.3	0.2	8.72495e+08	7.60632e+08	-1.63313e+09	9.03290e+08	-6.78238e+08	-1.31624e+09
e0742.301.06	2006-10-28	14:14:01.718	51.65477	7.74195	1136	-0.3	0.2	1.07268e+09	1.02413e+09	-2.09680e+09	1.17448e+09	5.45943e+08	-1.90746e+08
e0745.301.06	2006-10-28	17:48:40.677	51.65578	7.74084	1128	-0.5	0.3	1.51154e+09	1.33330e+09	-1.28980e+09	1.36735e+09	3.76272e+08	-7.97143e+08
e0757.301.06	2006-10-28	22:22:34.853	51.65678	7.74166	1000	-0.2	0.1	-4.35024e+07	1.26678e+09	-1.96058e+09	-1.03019e+09	8.96763e+08	-4.25940e+08
e0766.302.06	2006-10-29	00:50:49.673	51.65640	7.74017	1108	-0.3	0.2	6.93796e+08	1.26778e+09	-1.96058e+09	-1.03019e+09	8.96763e+08	-4.25940e+08
e0805.302.06	2006-10-29	06:00:49.425	51.65489	7.74151	1162	-0.5	0.3	1.34183e+09	1.18484e+09	-2.52688e+09	-1.80085e+09	1.34946e+09	3.76383e+08
e0813.302.06	2006-10-29	08:36:57.221	51.65636	7.74017	889	-0.1	0.4	4.12220e+09	-4.2006e+09	2.97861e+08	4.47960e+08	-1.17108e+09	-2.67285e+08
e0814.302.06	2006-10-29	13:31:28.191	51.65612	7.74104	1100	-0.4	0.2	1.01432e+09	9.80978e+08	-1.99530e+09	-1.12104e+09	8.68728e+08	-1.19421e+08
e0816.302.06	2006-10-29	14:47:32.223	51.65643	7.74012	1094	-0.2	0.4	2.24398e+09	1.90180e+09	-4.14578e+09	2.14365e+09	1.46594e+09	5.37179e+08
e0836.302.06	2006-10-29	21:13:58.095	51.65604	7.74110	1065	-0.1	0.4	2.63886e+09	1.33075e+09	-3.98961e+09	-2.33581e+09	1.30224e+09	6.69517e+08
e0842.302.06	2006-10-29	21:48:06.079	51.65625	7.74100	1000	-0.1	0.4	3.05418e+09	9.96893e+08	-4.05107e+09	-2.17618e+09	1.11798e+09	7.74906e+08
e0876.303.06	2006-10-30	04:28:57.774	51.65676	7.73605	1200	-0.2	0.3	2.56509e+09	5.94784e+08	-3.15987e+09	1.23382e+09	1.16209e+08	-1.18881e+07

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0918.303.06	2006-10-30	22:28:30.350	51.65593	7.74098	1058	-0.4	0.2	1.32114e+9	5.69622e+8	-1.89080e+9	-1.18274e+9	8.16693e+8	3.51404e+8
e0922.303.06	2006-10-30	23:47:04.241	51.65607	7.74012	1055	-0.3	0.2	4.06498e+8	1.34293e+9	-1.74945e+9	9.01356e+8	-9.74861e+7	-1.29432e+9
e0960.304.06	2006-10-31	21:35:19.461	51.65640	7.74079	1138	-0.1	0.4	1.82198e+9	2.06932e+9	-3.89181e+9	-2.31848e+9	1.78889e+9	-4.6462e+7
e0966.304.06	2006-10-31	22:50:43.754	51.65627	7.74092	1084	-0.5	0.8	-1.58401e+10	-1.45690e+9	1.72970e+10	-5.25535e+9	2.00848e+9	2.90956e+9
e0015.305.06	2006-11-01	15:03:42.096	51.65553	7.74235	1119	-0.3	0.3	1.62432e+9	1.03491e+9	-2.65923e+9	-1.65978e+9	1.34649e+9	2.03963e+8
e0022.305.06	2006-11-01	18:48:05.196	51.65483	7.74244	1044	-0.3	0.3	1.08231e+9	1.62040e+9	-2.70535e+9	1.78218e+9	7.09952e+8	-8.70346e+8
e0071.306.06	2006-11-02	21:14:56.633	51.65630	7.74089	1082	-0.2	0.3	1.71957e+9	1.16790e+9	-2.88747e+9	-1.48847e+9	1.15813e+9	-3.37643e+8
e0082.307.06	2006-11-03	02:56:02.296	51.65656	7.74057	1146	-0.5	0.2	1.04247e+9	1.04556e+9	-2.08803e+9	1.06767e+9	6.89098e+8	3.56656e+8
e0106.307.06	2006-11-03	13:07:08.471	51.65628	7.74074	1043	-0.2	0.4	2.53868e+9	1.45280e+9	-3.99149e+9	-2.07240e+9	1.81306e+9	-3.56117e+8
e0109.307.06	2006-11-03	14:47:19.058	51.65521	7.74182	1000	-0.2	0.5	3.01681e+9	1.99039e+9	-5.00720e+9	-3.40964e+9	2.98112e+9	4.80165e+8
e0115.307.06	2006-11-03	16:57:18.976	51.65662	7.74081	1069	-0.4	0.2	1.30666e+9	7.61152e+8	-2.06781e+9	1.101031e+9	7.60991e+8	3.63512e+8
e0120.307.06	2006-11-03	17:40:49.810	51.65673	7.74059	1038	-0.4	0.2	1.54225e+9	4.01642e+8	-1.96870e+9	-1.10161e+9	6.09304e+8	4.57145e+8
e0124.307.06	2006-11-03	20:00:16.350	51.65666	7.74090	1050	-0.3	0.2	7.57039e+8	1.01785e+9	-1.77489e+9	-1.05097e+9	1.17810e+9	-3.73812e+8
e0137.307.06	2006-11-03	22:19:22.191	51.65498	7.74232	1166	-0.5	0.3	1.41224e+9	1.20598e+9	-2.61827e+9	-1.72029e+9	1.35744e+9	2.14535e+8
e0171.308.06	2006-11-04	13:25:23.035	51.65535	7.74203	1184	-0.4	0.4	1.92276e+9	1.89551e+9	-3.81827e+9	-2.48076e+9	1.61081e+9	5.18812e+8
e0182.308.06	2006-11-04	20:22:45.169	51.65571	7.74150	1135	-0.4	0.3	1.68509e+9	9.78557e+8	-2.65865e+9	-1.77191e+9	1.01016e+9	6.41906e+8
e0184.308.06	2006-11-04	20:45:17.647	51.65654	7.74145	1035	-0.3	0.2	9.36100e+8	8.72315e+8	-1.80842e+9	-1.00712e+9	1.16733e+9	-4.25581e+8
e0195.308.06	2006-11-04	22:40:20.221	51.65484	7.74247	1179	-0.3	0.4	2.45787e+9	1.46079e+9	-3.91866e+9	-2.30432e+9	1.66637e+9	3.17015e+8
e0203.309.06	2006-11-05	00:35:43.668	51.65667	7.74083	1045	-0.5	0.1	6.72204e+8	7.98416e+8	-1.47062e+9	-8.18554e+8	4.63599e+8	3.14737e+7
e0214.309.06	2006-11-05	02:19:21.556	51.65554	7.74222	1179	-0.5	0.2	1.14365e+9	8.56832e+8	-2.00048e+9	-1.21683e+9	6.21530e+8	3.50548e+8
e0225.309.06	2006-11-05	09:48:43.113	51.65633	7.74091	1064	-0.5	0.2	1.20401e+9	6.92410e+8	-1.89642e+9	-1.26111e+9	6.01051e+8	5.45395e+8
e0230.309.06	2006-11-05	12:53:25.241	51.65547	7.74204	1146	-0.5	0.3	1.86441e+9	7.24962e+8	-2.58927e+9	1.24194e+9	1.14254e+9	1.34126e+9
e0240.310.06	2006-11-06	00:52:26.993	51.65527	7.74205	1213	-0.3	0.4	1.86963e+9	1.88132e+9	-3.75095e+9	-2.52896e+9	1.61474e+9	6.30338e+8
e0251.310.06	2006-11-06	03:32:43.666	51.65468	7.74185	1118	-0.2	0.3	8.114058e+8	1.79052e+9	-2.60458e+9	1.75894e+9	6.78670e+8	-1.05798e+9
e0272.310.06	2006-11-06	17:47:12.978	51.65556	7.74276	1206	-0.3	0.4	2.81279e+9	6.72865e+8	-3.48566e+9	1.48487e+9	2.04301e+9	1.82119e+9
e0278.310.06	2006-11-06	22:54:08.324	51.65694	7.73981	1000	-0.4	0.3	1.77960e+9	1.04707e+9	-2.82667e+9	-1.71016e+9	6.16127e+8	7.54362e+8
e0301.311.06	2006-11-07	18:54:27.332	51.65457	7.74226	1135	-0.4	0.3	1.70220e+9	8.67962e+8	-2.57017e+9	-1.61220e+9	1.49635e+9	1.82938e+8
e0307.311.06	2006-11-07	21:00:45.217	51.65503	7.74214	1143	-0.4	0.3	1.58828e+9	1.04700e+9	-2.63528e+9	-1.72734e+9	1.26564e+9	3.64277e+8
e0311.311.06	2006-11-07	23:40:40.976	51.65625	7.74162	1127	-0.2	0.3	1.32066e+9	1.31186e+9	-2.62522e+9	-1.51735e+9	1.53417e+9	-3.82512e+8
e0402.313.06	2006-11-09	22:44:45.746	51.65635	7.74148	1080	-0.5	0.3	1.73304e+9	1.02477e+9	-2.75781e+9	-1.72316e+9	9.38033e+8	5.66819e+8
e0424.314.06	2006-11-10	18:23:15.341	51.65633	7.74137	1079	-0.4	0.2	1.04281e+9	7.58042e+8	-1.80085e+9	-1.00954e+9	1.19773e+9	-3.24907e+8
e0471.316.06	2006-11-12	00:37:01.831	51.65644	7.74181	1014	-0.2	0.4	2.77041e+9	2.20642e+9	-5.67636e+9	-3.33545e+9	1.87135e+9	7.86510e+8
e0477.316.06	2006-11-12	01:17:54.112	51.65632	7.74176	1030	-0.5	0.3	2.12230e+9	6.32891e+8	-2.75519e+9	-1.46532e+9	1.23177e+9	2.96085e+8
e0491.316.06	2006-11-12	02:46:17.245	51.65682	7.74124	1058	-0.4	0.1	9.03282e+8	6.00928e+8	-1.50421e+9	-7.81174e+8	4.26231e+8	-1.18290e+7
e0514.316.06	2006-11-12	17:22:47.674	51.65749	7.73746	1134	-0.3	0.2	9.73496e+8	1.24209e+9	-2.21558e+9	-1.10120e+9	-1.60885e+8	2.71479e+8
e0515.316.06	2006-11-12	17:29:55.237	51.64841	7.73808	1175	-0.1	0.3	2.18628e+9	9.7355e+8	-3.15987e+9	-1.45949e+9	1.13423e+8	-2.79455e+7
e0560.317.06	2006-11-13	04:07:01.889	51.65663	7.74171	1077	-0.2	0.5	3.94766e+9	2.11491e+9	-6.06257e+9	2.97116e+9	1.57937e+9	2.87388e+8
e0591.317.06	2006-11-13	23:22:23.583	51.65627	7.74261	1148	-0.2	0.3	1.65107e+9	1.17506e+9	-2.82613e+9	-1.64491e+9	1.10090e+9	1.88088e+8
e0591.317.06	2006-11-13	23:22:59.573	51.65695	7.74132	1071	-0.3	0.3	1.12929e+9	1.44419e+9	-2.57348e+9	-1.38374e+9	1.55678e+9	-8.18418e+8
e0612.318.06	2006-11-14	18:53:21.811	51.65680	7.74139	1083	-0.5	0.2	1.11719e+9	1.07109e+9	-2.18828e+9	1.11368e+9	4.10229e+8	1.06534e+8
e0638.319.06	2006-11-15	15:02:25.029	51.65679	7.74133	1069	-0.1	0.5	3.46259e+9	3.00212e+9	-5.76126e+9	-3.35227e+9	1.54599e+9	9.74758e+8
e0653.319.06	2006-11-15	16:54:39.700	51.65644	7.74177	1280	-0.2	0.4	8.89686e+8	3.20212e+9	-2.06764e+9	-2.06764e+9	1.74016e+9	-4.17264e+8
e0681.320.06	2006-11-16	14:32:34.866	51.65689	7.74180	1028	-0.1	0.5	4.32712e+9	1.40706e+9	-5.74371e+9	-2.96349e+9	1.93399e+9	7.01451e+8
e0687.320.06	2006-11-16	17:59:58.640	51.65675	7.74182	1167	-0.3	0.3	1.27353e+9	1.3569e+9	-2.63042e+9	-1.80732e+9	1.14731e+9	4.75600e+8
e0692.320.06	2006-11-16	19:37:48.363	51.65686	7.74102	1047	-0.5	0.3	1.37988e+9	1.66559e+9	-3.04547e+9	1.54614e+9	7.23048e+8	3.31762e+8
e0694.320.06	2006-11-16	20:03:29.020	51.65688	7.74252	1045	-0.2	0.4	3.18957e+9	9.30765e+8	-4.12033e+9	-1.85908e+9	1.57644e+9	-5.35363e+7
e0695.320.06	2006-11-16	20:06:57.159	51.65519	7.74286	1226	-0.2	0.4	2.42344e+9	1.34490e+9	-3.76734e+9	1.85060e+9	1.56730e+9	1.77104e+9

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0696.320.06	2006-11-16	21:34:26.290	51.65602	7.74281	1000	-0.3	0.1	1.34626e+08	7.76557e+08	-9.11220e+08	4.50318e+08	-1.17508e+08	-1.25281e+09
e0721.321.06	2006-11-17	04:34:12.899	51.65651	7.74190	1048	-0.3	0.3	1.79864e+09	1.13634e+09	-2.93498e+09	1.48596e+09	1.06180e+09	3.06973e+08
e0729.321.06	2006-11-17	17:57:08.905	51.65665	7.74146	1091	-0.2	0.5	3.26747e+09	2.60216e+09	-5.86963e+09	3.10304e+09	2.02597e+09	3.56730e+08
e0731.321.06	2006-11-17	19:26:58.612	51.65682	7.74149	1064	-0.2	0.4	2.45899e+09	1.85867e+09	-4.31766e+09	2.15976e+09	1.00399e+09	4.56442e+08
e0739.321.06	2006-11-17	21:29:07.401	51.65544	7.74270	1183	-0.3	0.4	2.77552e+09	1.04525e+09	-3.82077e+09	1.80757e+09	1.43561e+09	1.71090e+09
e0745.322.06	2006-11-18	04:16:16.459	51.65641	7.74176	1088	-0.1	0.3	1.47946e+09	1.20189e+09	-2.68136e+09	1.33435e+09	-1.28207e+09	-1.07903e+09
e0756.323.06	2006-11-19	16:39:29.913	51.65571	7.75885	1077	-0.3	0.2	1.61874e+09	4.64501e+08	-2.08324e+09	1.04204e+09	-4.19901e+08	4.02176e+08
e0766.324.06	2006-11-20	03:35:04.426	51.65515	7.74851	1228	-0.3	0.3	1.67740e+09	1.28441e+09	-2.96181e+09	1.53357e+09	9.82887e+08	2.53439e+08
e0778.325.06	2006-11-21	01:34:05.320	51.65681	7.74214	1042	-0.4	0.3	1.49988e+09	8.67979e+08	-2.36786e+09	-1.72854e+09	1.62067e+09	2.84033e+08
e0788.325.06	2006-11-21	15:25:48.988	51.65525	7.74390	1059	-0.2	0.4	2.78006e+09	1.05950e+09	-3.83956e+09	1.77981e+09	1.55146e+09	1.60659e+09
e0803.325.06	2006-11-21	21:28:25.225	51.65665	7.74190	1054	-0.3	0.3	1.27001e+09	1.33210e+09	-2.60210e+09	-1.46269e+09	1.57545e+09	-5.47102e+08
e0824.326.06	2006-11-22	19:22:55.490	51.65606	7.74298	1048	-0.4	0.3	1.54228e+09	1.50319e+09	-3.04547e+09	1.55260e+09	7.39421e+08	2.93466e+08
e0836.327.06	2006-11-23	14:33:43.034	51.65656	7.74287	1000	-0.1	0.4	1.50385e+09	1.30222e+09	-2.83588e+09	-1.56023e+09	3.02003e+09	-1.53580e+09
e0857.327.06	2006-11-23	20:14:00.212	51.65694	7.74205	995	-0.2	0.3	1.88998e+09	9.17768e+08	-2.80775e+09	-1.60472e+09	1.08510e+09	3.11391e+08
e0870.327.06	2006-11-23	21:47:32.843	51.65537	7.74355	1157	-0.5	0.3	1.39826e+09	1.56361e+09	-2.96187e+09	1.58401e+09	9.38734e+08	1.52862e+08
e0876.327.06	2006-11-23	22:51:09.556	51.65704	7.74236	1089	-0.3	0.3	1.41892e+09	1.21357e+09	-2.62349e+09	-1.41438e+09	1.55003e+09	-6.23619e+08
e0885.328.06	2006-11-24	10:59:56.662	51.65623	7.74301	1163	-0.2	0.4	7.42692e+08	2.60495e+09	-3.34764e+09	-1.86382e+09	2.39251e+09	-1.21766e+09
e0891.328.06	2006-11-24	16:17:31.811	51.65681	7.74191	999	-0.1	0.4	2.98952e+09	1.07035e+09	-4.05987e+09	-2.13278e+09	1.37762e+09	4.72619e+08
e0898.328.06	2006-11-24	17:33:46.612	51.65680	7.74269	1233	-0.2	0.5	4.45378e+08	5.22461e+09	-5.66999e+09	-2.14719e+09	2.05044e+09	-1.08359e+09
e0901.328.06	2006-11-24	17:37:15.716	51.65704	7.74142	1261	-0.4	0.3	9.18404e+08	1.95191e+09	-2.87032e+09	-1.49738e+09	1.09049e+09	-3.50179e+08
e0916.328.06	2006-11-24	20:54:41.701	51.65644	7.74537	1124	-0.3	0.3	2.16222e+09	9.84666e+08	-3.14689e+09	1.46802e+09	8.52033e+07	2.52579e+08
e0937.329.06	2006-11-25	03:31:23.036	51.65698	7.74192	1099	-0.3	0.4	1.72594e+09	2.25013e+09	-3.97607e+09	-2.14331e+09	1.74314e+09	-6.28305e+08
e0963.329.06	2006-11-25	20:11:55.630	51.65707	7.74170	1012	-0.2	0.2	1.41521e+09	7.08753e+08	-2.12396e+09	1.12206e+09	2.58639e+08	-4.21625e+08
e0963.329.06	2006-11-25	20:34:52.831	51.65683	7.74173	1106	-0.3	0.3	1.61631e+09	1.06246e+09	-2.67877e+09	-1.42880e+09	1.51989e+09	-4.38221e+08
e0983.330.06	2006-11-26	06:20:36.451	51.65837	7.74741	1062	-0.5	0.2	8.29491e+08	9.63232e+08	-1.79274e+09	-1.02992e+09	1.16963e+09	-4.10101e+08
e0990.330.06	2006-11-26	10:12:28.100	51.65593	7.74306	1118	-0.4	0.3	1.45965e+09	1.28784e+09	-2.74799e+09	-1.72122e+09	1.12858e+09	3.07907e+08
e0998.330.06	2006-11-26	14:52:49.500	51.65415	7.74452	1190	-0.3	0.2	2.06847e+09	-4.05240e+07	-2.02794e+09	-5.62020e+08	-1.90914e+08	6.80573e+08
e1003.330.06	2006-11-26	16:56:05.793	51.65518	7.74335	1110	-0.2	0.4	2.05470e+09	1.69884e+09	-3.75354e+09	-2.43720e+09	1.80844e+09	3.79153e+08
e1058.332.06	2006-11-28	21:36:06.285	51.65587	7.74239	1000	-0.4	0.1	6.43286e+08	7.50767e+08	-1.39405e+09	7.04966e+08	-4.00285e+08	-6.27898e+08
e1089.333.06	2006-11-29	21:26:26.799	51.65589	7.74371	1196	-0.4	0.4	1.74318e+09	2.12059e+09	-3.86378e+09	-2.39596e+09	1.71531e+09	1.93778e+08
e0025.335.06	2006-12-01	19:01:21.612	51.65669	7.74249	1132	-0.4	0.3	1.39002e+09	1.16071e+09	-2.55073e+09	-1.77867e+09	1.35000e+09	3.47882e+08
e0044.336.06	2006-12-02	03:11:41.743	51.65704	7.73574	898	-0.5	0.2	-2.72798e+09	2.54897e+09	1.79006e+08	-1.16254e+09	5.45176e+08	1.16863e+09
e0055.336.06	2006-12-02	19:42:02.423	51.65571	7.74357	1037	-0.5	0.2	1.85365e+09	-1.23588e+09	-6.17772e+08	-8.92992e+08	8.67828e+08	8.88131e+08
e0066.336.06	2006-12-03	23:41:34.011	51.65583	7.74511	1057	-0.1	0.2	1.38562e+09	7.70909e+08	-2.15653e+09	1.17441e+09	-2.02376e+07	-9.68250e+08
e0130.339.06	2006-12-05	19:49:53.112	51.65533	7.74416	1168	-0.2	0.3	1.14293e+09	1.34488e+09	-2.46780e+09	1.74684e+09	2.16255e+08	-1.49991e+09
e0132.339.06	2006-12-05	20:51:31.745	51.65741	7.74250	1000	-0.3	0.2	1.57158e+09	4.65986e+08	-2.03757e+09	9.26148e+08	-8.55283e+08	-5.70980e+07
e0165.340.06	2006-12-06	18:40:59.853	51.65790	7.74185	1290	-0.2	0.3	1.37494e+09	1.39986e+09	-2.77480e+09	-1.77037e+09	8.44291e+08	6.14937e+08
e0216.341.06	2006-12-07	23:40:18.078	51.65728	7.74228	1085	-0.5	0.2	1.20623e+09	1.08013e+09	-2.21426e+09	1.11631e+09	2.79795e+08	1.98924e+07
e0238.342.06	2006-12-08	20:57:46.054	51.65726	7.74247	1085	-0.5	0.2	1.16558e+09	1.00135e+09	-2.16693e+09	1.15067e+09	2.03799e+08	-3.43305e+08
e0243.342.06	2006-12-08	21:51:39.161	51.65615	7.74470	1000	-0.3	0.2	1.29165e+09	8.09182e+08	-2.10083e+09	1.02883e+09	-5.32990e+08	-5.52367e+08
e0273.343.06	2006-12-09	12:40:47.683	51.65680	7.74348	1226	-0.3	0.4	2.84200e+09	1.41001e+09	-4.25201e+09	2.06246e+09	6.55736e+08	1.09386e+09
e0284.343.06	2006-12-09	14:31:16.901	51.65705	7.74045	1110	-0.3	0.3	-2.91975e+09	3.14462e+09	-2.24870e+08	-3.12606e+08	8.10722e+08	1.13893e+08
e0287.343.06	2006-12-09	15:53:54.348	51.65806	7.73785	1210	-0.3	0.3	1.65832e+09	1.47897e+09	-3.13729e+09	1.58463e+09	3.12361e+08	-3.71336e+07
e0288.343.06	2006-12-09	17:22:41.290	51.65623	7.74311	1150	-0.3	0.3	2.21296e+09	7.13460e+08	-2.92642e+09	-1.50510e+09	6.96722e+08	5.13971e+08

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0298.343.06	2006-12-09	21:23:30.052	51.65721	7.74293	1000	-0.3	0.3	1.98100e+09	8.45129e+08	-2.82613e+09	-1.52150e+09	1.15829e+09	1.74884e+08
e0310.343.06	2006-12-09	22:16:27.557	51.65688	7.74260	1053	-0.3	0.3	1.51476e+09	1.14253e+09	-2.65731e+09	-1.71996e+09	1.27540e+09	2.90723e+08
e0312.343.06	2006-12-09	22:21:10.844	51.65638	7.74394	1158	-0.5	0.2	1.10848e+09	9.27639e+08	-2.03612e+09	-1.14397e+09	7.65146e+08	1.57532e+07
e0322.343.06	2006-12-09	22:42:50.481	51.65660	7.74326	1000	-0.4	0.2	1.21217e+09	7.12389e+08	-1.92456e+09	-1.16057e+09	8.93988e+08	1.59156e+08
e0330.344.06	2006-12-09	22:53:19.814	51.65640	7.74369	1183	-0.3	0.3	1.94488e+09	1.03851e+09	-3.00033e+09	1.44104e+09	6.97165e+08	6.89727e+08
e0339.344.06	2006-12-10	01:58:28.209	51.65925	7.74276	1000	-0.5	0.0	8.37587e+08	1.28787e+08	-9.66373e+08	3.43783e+08	-4.65098e+08	-3.13712e+08
e0342.344.06	2006-12-10	02:13:26.764	51.65682	7.74308	1097	-0.4	0.3	1.51237e+09	1.00710e+09	-2.51947e+09	-1.32759e+09	1.72185e+09	-6.69405e+08
e0344.344.06	2006-12-10	06:35:10.698	51.65246	7.74026	1120	-0.3	0.2	1.87600e+09	-3.38487e+07	-1.84215e+09	-4.01102e+08	-9.32286e+08	7.24447e+08
e0351.344.06	2006-12-10	11:14:13.803	51.65723	7.74241	1079	-0.3	0.3	1.13184e+09	1.35400e+09	-2.48584e+09	-1.25372e+09	1.48635e+09	-1.25382e+09
e0353.344.06	2006-12-10	14:07:08.748	51.65728	7.74471	1020	-0.2	0.3	2.21576e+09	9.11449e+08	-3.12721e+09	1.42659e+09	2.97740e+08	3.411029e+08
e0361.344.06	2006-12-10	16:07:05.886	51.65639	7.74322	1165	-0.5	0.3	2.22644e+09	7.51714e+08	-2.97816e+09	-1.47488e+09	6.90004e+08	3.90952e+08
e0369.344.06	2006-12-10	18:13:08.073	51.65591	7.74059	1137	-0.1	0.3	2.71319e+09	4.31281e+08	-3.14448e+09	1.08251e+09	-3.21780e+08	-8.39637e+07
e0376.344.06	2006-12-10	19:55:14.204	51.65674	7.74370	1004	-0.3	0.3	2.65876e+09	3.55133e+08	-3.01390e+09	-1.11797e+09	1.719701e+08	3.04696e+08
e0378.344.06	2006-12-10	20:12:12.373	51.65666	7.74393	1075	-0.4	0.2	1.41857e+09	7.68229e+08	-2.18680e+09	1.04789e+09	4.26584e+08	1.98794e+08
e0381.344.06	2006-12-10	20:32:30.030	51.65685	7.74322	1091	-0.3	0.2	9.68043e+08	8.55583e+08	-1.82363e+09	-1.21327e+09	1.01464e+09	1.139801e+08
e0414.345.06	2006-12-11	17:43:00.173	51.65674	7.74360	1051	-0.1	0.5	3.64026e+09	1.95425e+09	-5.59451e+09	-3.07456e+09	2.48371e+09	6.63804e+07
e0417.345.06	2006-12-11	17:59:48.939	51.65691	7.74242	1000	-0.1	0.4	3.40251e+09	7.54095e+08	-4.15660e+09	1.68081e+09	-1.54654e+09	-1.55401e+08
e0424.345.06	2006-12-11	19:41:55.209	51.65712	7.74284	1050	-0.2	0.4	2.34150e+09	1.47927e+09	-3.82077e+09	-1.95702e+09	2.08508e+09	-8.00385e+08
e0450.346.06	2006-12-12	18:42:30.019	51.65728	7.74380	1000	-0.2	0.4	1.56091e+09	1.65453e+09	-3.21544e+09	2.12125e+09	-5.07570e+08	-2.72742e+09
e0483.347.06	2006-12-13	23:29:53.959	51.65678	7.74313	1055	-0.2	0.3	1.21602e+09	1.31065e+09	-2.52668e+09	-1.80194e+09	1.36178e+09	3.29058e+08
e0492.348.06	2006-12-14	01:14:40.392	51.65716	7.74438	1033	-0.2	0.4	2.14838e+09	1.21773e+09	-3.36611e+09	-1.99849e+09	2.66038e+09	-4.07993e+08
e0512.348.06	2006-12-14	16:39:49.855	51.65704	7.74346	1098	-0.1	0.5	3.64527e+09	1.83251e+09	-5.47777e+09	-2.93222e+09	2.79743e+09	-2.47327e+08
e0514.348.06	2006-12-14	17:14:03.090	51.65661	7.74258	1065	-0.2	0.3	5.68205e+08	1.65684e+09	-2.22504e+09	1.14355e+09	-4.19462e+08	-2.12292e+09
e0540.349.06	2006-12-15	18:10:01.367	51.65708	7.74275	1041	-0.5	0.3	1.30822e+09	1.28059e+09	-2.58881e+09	-1.78610e+09	1.28718e+09	3.55498e+08
e0549.349.06	2006-12-15	22:03:59.231	51.65743	7.74082	1000	-0.1	0.6	8.04013e+09	8.22022e+08	-8.86234e+09	-2.57371e+09	-9.21198e+08	1.73803e+08
e0560.350.06	2006-12-16	20:07:26.186	51.65721	7.74273	997	-0.3	0.2	3.12573e+08	1.22882e+09	-1.54140e+09	1.08407e+09	2.07317e+08	-1.34234e+09
e0577.351.06	2006-12-17	04:07:14.483	51.65727	7.74429	1012	-0.5	0.2	1.29432e+09	5.63149e+08	-1.85747e+09	-1.07687e+09	1.06116e+09	6.98620e+07
e0579.351.06	2006-12-17	04:39:08.681	51.65712	7.74310	1036	-0.5	0.1	9.78766e+08	4.62894e+08	-1.44146e+09	-7.70328e+08	5.36285e+08	7.70837e+07
e0583.351.06	2006-12-17	07:20:33.316	51.65712	7.74315	1075	-0.4	0.2	1.11795e+09	7.34247e+08	-1.83219e+09	-1.17096e+09	1.00949e+09	1.09012e+08
e0599.351.06	2006-12-17	12:17:12.132	51.65651	7.74333	1151	-0.5	0.2	9.37640e+08	1.04699e+09	-1.98463e+09	-1.23383e+09	6.51999e+09	3.27676e+08
e0612.351.06	2006-12-17	23:04:01.048	51.65722	7.74314	1045	-0.2	0.3	1.59702e+09	1.12149e+09	-2.71851e+09	-1.65998e+09	1.26987e+09	1.80606e+08
e0620.352.06	2006-12-18	01:17:19.622	51.65742	7.74334	1154	-0.4	0.2	1.28161e+09	8.90280e+08	-2.17189e+09	1.06862e+09	4.35973e+08	3.22091e+08
e0638.352.06	2006-12-18	21:32:39.646	51.65719	7.74307	1092	-0.3	0.3	1.34652e+09	1.29003e+09	-2.63528e+09	-1.74820e+09	1.28797e+09	2.75103e+08
e0666.353.06	2006-12-19	16:37:43.904	51.65690	7.74322	1000	-0.2	0.4	1.48983e+09	1.84426e+09	-3.33409e+09	1.89129e+09	-9.38463e+08	-2.66953e+09
e0671.353.06	2006-12-19	19:24:47.626	51.65741	7.74187	1000	-0.3	0.3	2.19396e+09	9.66392e+08	-3.16035e+09	1.45819e+09	4.47606e+07	-6.39247e+07
e0673.353.06	2006-12-19	20:22:53.619	51.65707	7.74308	1062	-0.1	0.5	3.01299e+09	2.70677e+09	-5.71976e+09	-3.42376e+09	1.61806e+09	9.54102e+08
e0676.353.06	2006-12-19	20:35:27.904	51.65672	7.74370	1110	-0.1	0.4	2.16298e+09	1.93504e+09	-4.09802e+09	-2.34493e+09	1.32771e+09	2.87720e+08
e0682.353.06	2006-12-19	21:45:21.339	51.65661	7.74409	1126	-0.2	0.4	2.18338e+09	1.78267e+09	-3.96605e+09	-2.35996e+09	1.57070e+09	2.80778e+08
e0700.355.06	2006-12-21	05:50:34.190	51.65730	7.74303	1044	-0.4	0.4	2.20343e+09	1.43247e+09	-3.63589e+09	-2.45944e+09	1.89019e+09	5.17270e+08
e0711.355.06	2006-12-21	14:22:46.308	51.65658	7.74389	1074	-0.1	0.4	1.91078e+09	1.95300e+09	-3.86378e+09	-2.40328e+09	1.70750e+09	2.53523e+08
e0752.356.06	2006-12-22	17:57:25.727	51.65574	7.74451	1178	-0.3	0.2	1.10131e+09	8.36529e+08	-1.93784e+09	1.16776e+09	-1.86895e+07	-9.02171e+08
e0756.356.06	2006-12-22	21:17:32.530	51.65686	7.74399	1075	-0.4	0.3	1.41553e+09	1.55782e+09	-2.97335e+09	-1.63218e+09	8.30697e+08	1.01349e+08
e0774.357.06	2006-12-23	03:11:11.897	51.65732	7.74282	1063	-0.1	0.5	2.69628e+09	5.80616e+09	-5.0243e+09	-2.87784e+09	2.64250e+09	-1.35473e+09
e0802.357.06	2006-12-23	20:59:02.462	51.65730	7.74350	1100	-0.2	0.1	6.25066e+08	8.26381e+08	-1.20745e+09	6.21748e+08	-5.83197e+08	-8.31441e+08
e0812.358.06	2006-12-24	03:42:33.067	51.65734	7.74306	1068	-0.3	0.3	1.64187e+09	1.16538e+09	-2.80724e+09	-1.44547e+09	1.30005e+09	-5.03245e+08
e0818.358.06	2006-12-24	06:02:59.751	51.65769	7.74406	1000	-0.3	0.3	1.34192e+09	9.29719e+08	-2.27163e+09	-1.12730e+09	1.81274e+09	-1.23710e+09
e0821.358.06	2006-12-24	06:24:34.839	51.65673	7.74397	1122	-0.4	0.3	1.25094e+09	1.26996e+09	-2.52091e+09	-1.65339e+09	1.58018e+09	-5.51809e+07
e0844.359.06	2006-12-25	01:35:49.769	51.65375	7.74409	1181	-0.4	0.2	1.87042e+09	-1.83372e+08	-1.67870e+09	-5.57433e+07	-1.15284e+09	7.00420e+08
e0846.359.06	2006-12-25	03:28:32.097	51.65845	7.73810	1125	-0.1	0.3	2.39758e+09	1.19590e+07	-2.40917e+09	3.42851e+08	-1.91650e+09	-6.58148e+08

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0848.359.06	2006-12-25	06:10:49.151	51.65683	7.74386	1067	-0.3	0.4	2.32100e+09	1.37836e+09	-3.69936e+09	-2.11621e+09	2.22118e+09	-2.33456e+08
e0855.359.06	2006-12-25	10:29:22.858	51.65723	7.74338	1051	-0.5	0.3	2.05938e+09	8.81958e+08	-2.94178e+09	-1.44900e+09	1.03039e+09	-3.57334e+07
e0863.359.06	2006-12-25	15:11:44.619	51.65724	7.74314	1033	-0.5	0.2	1.52322e+09	5.74987e+08	-2.09820e+09	-1.04130e+09	6.16235e+08	1.45558e+08
e0865.359.06	2006-12-25	15:21:20.491	51.65711	7.74324	1104	-0.3	0.4	2.07392e+09	1.64438e+09	-3.71849e+09	-1.99158e+09	2.20451e+09	-8.42539e+08
e0867.359.06	2006-12-25	15:52:05.432	51.65721	7.74096	1000	-0.1	0.3	6.63730e+08	2.13934e+09	-2.80307e+09	-1.35337e+09	1.15587e+09	-6.28573e+08
e0872.359.06	2006-12-25	16:10:45.273	51.65723	7.74250	1047	-0.3	0.4	2.60458e+09	1.45528e+09	-4.05987e+09	-2.26700e+09	1.41357e+09	3.50753e+08
e0875.359.06	2006-12-25	16:45:22.913	51.65682	7.74454	1166	-0.5	0.2	7.49879e+08	1.13972e+09	-1.88910e+09	-1.02200e+09	1.01449e+09	-4.73062e+08
e0878.359.06	2006-12-25	18:01:03.438	51.65694	7.74348	1049	-0.3	0.3	1.91684e+09	9.24883e+08	-2.84173e+09	-1.53181e+09	1.15765e+09	1.04234e+08
e0896.359.06	2006-12-25	21:31:02.996	51.65557	7.74432	1304	-0.4	0.2	1.41802e+09	-4.24903e+08	-9.93113e+08	-1.16132e+09	-2.65729e+08	1.41556e+09
e0914.360.06	2006-12-26	08:17:11.885	51.65693	7.74393	1039	-0.4	0.2	1.10976e+09	8.54219e+08	-1.96398e+09	-1.17469e+09	8.42334e+08	1.14957e+08
e0919.360.06	2006-12-26	09:31:53.940	51.65670	7.74403	1047	-0.5	0.1	8.39606e+08	5.45001e+08	-1.38461e+09	-7.80136e+08	6.65366e+08	-3.18018e+07
e0921.360.06	2006-12-26	10:07:21.428	51.65718	7.74354	1026	-0.2	0.4	1.38095e+09	2.21300e+09	-3.59355e+09	-1.79697e+09	1.99625e+09	-1.69648e+09
e0923.360.06	2006-12-26	10:39:46.626	51.65705	7.74353	1087	-0.4	0.2	1.06955e+09	9.52664e+08	-2.07222e+09	-1.18020e+09	7.28320e+08	1.34636e+08
e0925.360.06	2006-12-26	15:32:08.646	51.65706	7.74411	1000	-0.4	0.1	5.97866e+08	4.52313e+08	-1.05018e+09	5.59310e+08	-6.55783e+08	-9.6757e+08
e0931.360.06	2006-12-26	16:33:29.527	51.65694	7.74342	1036	-0.4	0.3	1.81885e+09	1.00728e+09	-2.82613e+09	-1.57253e+09	1.16586e+09	1.14024e+08
e0933.360.06	2006-12-26	18:08:59.021	51.65738	7.74268	1022	-0.2	0.3	2.69968e+09	4.58750e+08	-3.15843e+09	1.11570e+09	-1.30443e+08	3.20458e+07
e0937.360.06	2006-12-26	18:18:56.132	51.65705	7.74334	1084	-0.1	0.5	3.23573e+09	2.44063e+09	-5.67636e+09	-3.37140e+09	1.89766e+09	7.20722e+08
e0945.360.06	2006-12-26	20:42:07.137	51.65679	7.74332	1000	-0.3	0.1	7.18107e+08	6.25734e+08	-1.34386e+09	6.70778e+08	-6.33020e+08	-5.51929e+08
e0946.360.06	2006-12-26	22:07:01.144	51.65660	7.74476	1180	-0.4	0.2	1.94237e+09	-1.07634e+09	-8.6023e+08	-8.55610e+08	7.11108e+08	9.66163e+08
e0948.360.06	2006-12-26	22:44:53.046	51.65715	7.74301	1055	-0.3	0.4	1.99512e+09	1.82563e+09	-3.82077e+09	-2.00215e+09	2.00738e+09	-9.79066e+08
e0953.361.06	2006-12-27	01:41:32.658	51.65732	7.74309	1071	-0.3	0.3	8.57900e+08	1.73147e+09	-2.58937e+09	-1.29469e+09	1.39922e+09	-1.07078e+09
e0959.361.06	2006-12-27	07:06:28.068	51.65691	7.74369	1096	-0.1	0.6	3.31325e+09	4.45194e+09	-7.76518e+09	-4.59717e+09	3.56389e+09	-2.16983e+08
e0963.361.06	2006-12-27	10:12:41.420	51.65743	7.74465	1025	-0.2	0.4	2.62873e+09	1.77237e+09	-4.40109e+09	2.21816e+09	5.17657e+08	-2.32060e+08
e0987.361.06	2006-12-27	17:01:23.174	51.65730	7.74325	1038	-0.2	0.3	1.60157e+09	1.09544e+09	-2.69701e+09	-1.63026e+09	1.34649e+09	9.89675e+07
e0985.361.06	2006-12-27	19:02:27.766	51.65708	7.74350	999	-0.2	0.3	1.71958e+09	1.08817e+09	-2.80775e+09	-1.64674e+09	1.10004e+09	2.56699e+08
e0501.362.06	2006-12-28	23:34:47.044	51.65729	7.74321	1074	-0.5	0.2	8.01935e+08	1.02585e+09	-1.82779e+09	-9.69786e+08	1.08387e+09	-6.15206e+08
e1053.362.06	2006-12-28	23:57:26.513	51.65703	7.74330	1050	-0.5	0.1	4.89221e+08	7.64673e+08	-1.25389e+09	-9.03211e+08	6.90969e+08	1.43188e+08
e1071.363.06	2006-12-29	17:48:04.853	51.65724	7.74351	1049	-0.1	0.3	1.13726e+09	1.28080e+09	-2.41805e+09	-1.81478e+09	1.49714e+09	2.73417e+08
e1076.363.06	2006-12-29	19:29:09.036	51.65745	7.74374	1000	-0.3	0.2	5.83596e+08	1.29082e+09	-1.87442e+09	1.20269e+09	3.72327e+08	-8.16490e+08
e1076.363.06	2006-12-30	04:05:00.024	51.65716	7.74383	1059	-0.1	0.4	1.32385e+09	2.12563e+09	-3.44948e+09	-2.50194e+09	2.13744e+09	1.98442e+08
e1086.364.06	2006-12-30	01:34:54.475	51.65884	7.74311	1071	-0.5	0.2	1.38832e+09	6.67184e+08	-2.05551e+09	-9.96487e+08	8.15064e+08	-2.3682e+08
e1095.364.06	2006-12-31	10:59:36.041	51.65737	7.74360	1039	-0.4	0.4	1.20265e+09	2.44427e+09	-3.64692e+09	-1.84625e+09	2.02245e+09	-1.44683e+09
e1119.365.06	2006-12-31	06:36:16.373	51.65714	7.73833	1224	-0.2	0.3	2.62396e+09	3.5660e+08	-2.33998e+09	-8.06886e+08	1.38469e+09	-1.43432e+09
e1121.365.06	2006-12-31	08:32:06.027	51.65638	7.74039	986	-0.2	0.4	3.93710e+09	-4.39833e+09	4.61226e+08	6.69927e+08	-1.39657e+09	1.55007e+08
e1126.365.06	2006-12-31	11:06:46.812	51.65680	7.73607	1160	-0.4	0.3	2.53926e+09	5.73080e+08	-3.11234e+09	-1.20927e+09	-4.56769e+08	3.12352e+08
e0014.001.07	2007-01-01	13:22:54.475	51.65729	7.74373	1120	-0.1	0.5	3.28763e+09	2.12883e+09	-5.41647e+09	-3.20537e+09	2.67910e+09	1.39625e+08
e0017.001.07	2007-01-01	15:04:29.090	51.65734	7.74360	1056	-0.5	0.3	1.94501e+09	1.01686e+09	-2.96187e+09	-1.51676e+09	9.51017e+08	1.24695e+07
e0025.001.07	2007-01-01	16:13:03.996	51.65733	7.74334	1065	-0.2	0.4	2.50849e+09	1.67798e+09	-4.18647e+09	-2.24481e+09	1.25578e+09	1.38417e+08
e0031.001.07	2007-01-01	19:40:29.050	51.65743	7.74358	1098	-0.4	0.3	1.46893e+09	1.37472e+09	-2.84365e+09	-1.64715e+09	1.10149e+09	8.13292e+07
e0080.002.07	2007-01-02	16:14:21.821	51.65708	7.74386	1128	-0.2	0.4	1.45217e+09	2.28778e+09	-3.73996e+09	-2.46611e+09	1.75447e+09	3.57380e+08
e0083.002.07	2007-01-02	21:01:31.179	51.65710	7.74342	1000	-0.3	0.3	1.46648e+09	1.02132e+09	-2.48780e+09	-1.73554e+09	1.49145e+09	2.68470e+08
e0086.002.07	2007-01-02	21:56:16.822	51.65641	7.74459	1058	-0.2	0.3	1.08000e+09	1.17261e+09	-2.25261e+09	-1.7065e+09	-1.07386e+09	-1.89959e+09
e0115.003.07	2007-01-03	18:41:15.327	51.65744	7.74362	1057	-0.4	0.3	1.82761e+09	1.23932e+09	-3.06692e+09	-1.56267e+09	6.45654e+08	1.27650e+07
e0126.003.07	2007-01-03	23:04:03.785	51.65708	7.74352	1165	-0.2	0.5	3.63261e+09	2.32111e+09	-5.93732e+09	-3.05878e+09	1.84075e+09	-2.26131e+08
e0129.003.07	2007-01-03	23:12:31.796	51.65842	7.73898	1034	-0.5	0.2	2.18936e+09	-2.20297e+09	1.36107e+07	-1.64737e+08	-1.84737e+08	-9.90745e+07
e0131.003.07	2007-01-03	23:20:54.486	51.65742	7.74336	1120	-0.3	0.4	2.01480e+09	1.97722e+09	-3.99201e+09	-2.29394e+09	1.65417e+09	-4.08344e+07
e0139.003.07	2007-01-03	23:42:14.452	51.65718	7.74373	1106	-0.4	0.3	1.48942e+09	1.47147e+09	-2.96089e+09	-1.67194e+09	7.04566e+08	-3.64642e+08
e0141.003.07	2007-01-03	23:51:07.652	51.65731	7.74354	1100	-0.3	0.4	2.09257e+09	1.90691e+09	-3.9949e+09	-2.02469e+09	1.64579e+09	-1.06728e+09

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _W	M _{mn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0161.004.07	2007-01-04	07:30:09.229	51.65683	7.74835	1116	-0.2	0.4	2.19536e+09	1.77722e+09	-3.97258e+09	-2.42812e+09	1.47226e+09	5.41374e+08
e0172.004.07	2007-01-04	11:44:13.328	51.65656	7.74833	1038	-0.2	0.5	5.50204e+09	-3.20262e+09	-2.29943e+09	-2.60471e+09	1.60979e+09	2.74345e+09
e0205.005.07	2007-01-05	05:56:44.751	51.65723	7.74422	1153	-0.4	0.3	1.98767e+08	2.59359e+09	-2.79236e+09	-1.14037e+09	1.11457e+09	-4.18953e+08
e0210.005.07	2007-01-05	14:15:47.022	51.65774	7.74421	1110	-0.5	0.4	2.45512e+09	1.84773e+09	-4.30285e+09	-2.24556e+09	9.59762e+08	1.04198e+08
e0225.005.07	2007-01-05	21:33:22.109	51.65746	7.74300	1090	-0.4	0.3	1.41561e+09	1.45173e+09	-2.86735e+09	-1.46955e+09	1.12422e+09	-6.40288e+08
e0225.005.07	2007-01-05	22:44:06.088	51.65754	7.74287	1110	-0.4	0.4	2.68818e+09	1.61467e+09	-4.30285e+09	-2.20151e+09	9.52994e+08	1.51285e+08
e0266.006.07	2007-01-06	20:48:29.629	51.65744	7.74398	1000	-0.5	0.2	6.34963e+08	7.98584e+08	-1.43355e+09	-7.35315e+08	1.33315e+09	-1.07047e+09
e0276.006.07	2007-01-06	23:47:30.697	51.65741	7.74823	1000	-0.1	0.5	3.77120e+09	1.12538e+09	-4.89648e+09	2.28329e+09	-3.77350e+09	-7.91344e+08
e0283.007.07	2007-01-07	03:40:40.924	51.65706	7.74308	1028	-0.3	0.3	-2.86854e+09	2.95117e+09	-8.26342e+07	-3.47383e+08	9.46662e+08	-7.14685e+08
e0289.007.07	2007-01-07	10:04:26.160	51.65598	7.74496	1163	-0.5	0.2	1.91465e+09	-9.89636e+08	-9.24986e+08	-8.37967e+08	8.02360e+08	9.56790e+08
e0299.007.07	2007-01-07	20:52:53.683	51.65658	7.74382	1171	-0.1	0.5	5.44860e+09	-3.23970e+09	-2.20890e+09	-2.65973e+09	1.71603e+09	2.69456e+09
e0332.008.07	2007-01-08	15:03:26.815	51.65726	7.74425	995	-0.2	0.4	2.33476e+09	8.76438e+08	-3.21122e+09	-1.43767e+09	2.74176e+09	-1.45014e+09
e0339.008.07	2007-01-08	20:00:57.652	51.65709	7.74832	1224	-0.4	0.3	1.38234e+09	1.06737e+09	-2.44991e+09	-1.65566e+09	1.65266e+09	3.35351e+07
e0343.008.07	2007-01-08	21:40:49.315	51.65711	7.74854	1000	-0.5	0.2	1.12290e+09	8.61523e+08	-1.98442e+09	-1.21748e+09	6.80015e+08	3.10894e+08
e0368.009.07	2007-01-09	22:10:39.991	51.65737	7.74865	1100	-0.2	0.4	2.45513e+09	1.71113e+09	-4.16625e+09	-2.22239e+09	1.36016e+09	-1.03826e+07
e0373.009.07	2007-01-09	22:39:25.716	51.65758	7.74838	1064	-0.5	0.2	9.21004e+08	1.04094e+09	-1.96194e+09	-1.00668e+09	8.89474e+08	-5.62901e+08
e0374.009.07	2007-01-09	23:05:43.678	51.65713	7.74506	1000	-0.3	0.3	1.14916e+09	1.66051e+09	-2.80967e+09	-1.61847e+09	1.17802e+09	-8.22900e+07
e0391.010.07	2007-01-10	13:30:38.097	51.65766	7.74933	1106	-0.3	0.5	2.99745e+09	2.56636e+09	-5.56381e+09	-3.21020e+09	2.49666e+09	-9.26633e+07
e0401.010.07	2007-01-10	18:39:59.353	51.65773	7.74192	1000	-0.1	0.5	4.37232e+09	1.91814e+09	-6.29037e+09	-2.90043e+09	2.74179e+08	3.75314e+08
e0404.010.07	2007-01-10	19:35:08.923	51.65700	7.74400	1100	-0.2	0.3	9.75733e+08	1.64801e+09	-2.62374e+09	-1.75697e+09	1.24806e+09	2.81791e+08
e0440.011.07	2007-01-11	18:07:42.069	51.65643	7.74417	1157	-0.4	0.4	1.86505e+09	2.07383e+09	-3.93887e+09	-2.38755e+09	1.59619e+09	2.39759e+08
e0445.011.07	2007-01-11	23:35:43.481	51.65744	7.74372	1044	-0.1	0.6	4.17724e+09	4.41061e+09	-8.58785e+09	4.61197e+09	1.39426e+09	-9.44222e+08
e0447.012.07	2007-01-12	01:13:08.945	51.65924	7.74126	1000	-0.1	0.4	1.25263e+09	2.86626e+09	-4.11889e+09	-1.93396e+09	1.25018e+09	-1.12897e+09
e0516.013.07	2007-01-13	22:34:29.919	51.65757	7.74141	1000	-0.4	0.2	6.75497e+08	1.51986e+09	-2.19536e+09	-1.04017e+09	3.54910e+08	-1.04962e+08
e0523.014.07	2007-01-14	02:35:31.021	51.65810	7.74483	1000	-0.1	0.4	1.70786e+09	1.04238e+09	-2.75006e+09	-1.33419e+09	2.73733e+09	-2.16708e+09
e0526.014.07	2007-01-14	04:42:46.098	51.65768	7.74482	1147	-0.4	0.4	3.48141e+09	9.39262e+08	-4.42067e+09	1.81212e+09	4.93805e+08	3.90655e+08
e0550.015.07	2007-01-15	04:15:27.561	51.65752	7.74358	1106	-0.5	0.3	1.28385e+09	1.20395e+09	-2.48780e+09	-1.74930e+09	1.50346e+09	1.90045e+08
e0572.016.07	2007-01-16	19:53:16.088	51.65662	7.74349	1140	-0.4	0.3	6.75522e+08	1.63926e+09	-2.31478e+09	-1.84522e+09	1.50547e+09	2.79038e+08
e0576.016.07	2007-01-16	20:39:41.008	51.65763	7.74373	1000	-0.3	0.3	1.60552e+09	9.90989e+08	-2.59651e+09	-1.71543e+09	1.33886e+09	3.37502e+08
e0587.017.07	2007-01-17	19:59:32.407	51.65745	7.74395	1070	-0.4	0.3	9.03837e+08	1.62284e+09	-2.52668e+09	-1.76633e+09	1.38527e+09	2.09119e+08
e0593.017.07	2007-01-17	22:51:58.333	51.65630	7.74441	1133	-0.3	0.3	2.74934e+09	1.22522e+09	-1.09957e+09	-1.09957e+09	1.10720e+09	1.36878e+09
e0598.017.07	2007-01-17	23:01:59.958	51.65797	7.74450	1099	-0.3	0.3	2.67392e+09	4.66722e+08	-3.14064e+09	1.12388e+09	2.52366e+08	2.39870e+08
e0889.025.07	2007-01-25	11:51:25.820	51.65749	7.74524	1053	-0.1	0.5	3.52093e+09	2.56769e+09	-6.08861e+09	3.21363e+09	3.91032e+08	-1.14010e+09
e0898.025.07	2007-01-25	17:59:18.187	51.65730	7.74480	1000	-0.4	0.2	7.36269e+08	1.02496e+09	-1.76123e+09	-1.23029e+09	1.07116e+09	5.99676e+07
e0911.025.07	2007-01-25	22:05:14.283	51.65684	7.74542	1144	-0.2	0.3	1.27114e+09	1.18291e+09	-2.45405e+09	1.32183e+09	-9.02540e+08	-1.70864e+09
e0914.025.07	2007-01-25	23:11:37.104	51.65723	7.74479	1000	-0.3	0.3	2.49747e+08	2.01946e+09	-1.82226e+09	-1.19258e+09	1.00422e+09	-1.94961e+09
e0928.026.07	2007-01-26	12:44:57.917	51.65761	7.74476	1095	-0.4	0.2	5.44422e+08	1.27784e+09	-2.6921e+09	-1.173881e+09	9.81377e+08	3.94995e+07
e0932.026.07	2007-01-26	17:19:20.021	51.65783	7.74433	1000	-0.2	0.4	2.55720e+09	1.45956e+09	-4.01676e+09	-2.26199e+09	1.53537e+09	2.76887e+08
e0939.026.07	2007-01-26	19:12:42.425	51.65721	7.74486	1000	-0.5	0.2	1.14226e+09	7.36240e+08	-1.87850e+09	-1.14188e+09	1.00876e+09	5.09720e+07
e0941.026.07	2007-01-26	19:36:20.141	51.65725	7.74438	1176	-0.2	0.5	3.05009e+09	2.41148e+09	-5.46157e+09	-3.29686e+09	2.53424e+09	2.13395e+08
e0946.026.07	2007-01-26	22:27:30.109	51.65779	7.74470	1097	-0.5	0.4	2.17477e+09	1.8919e+09	-4.24961e+09	-3.22776e+09	1.65459e+09	1.69203e+07
e0954.026.07	2007-01-26	23:11:54.461	51.65725	7.74480	1122	-0.4	0.4	1.88559e+09	2.03076e+09	-3.91866e+09	-2.35648e+09	1.69258e+09	-2.20253e+08
e0961.027.07	2007-01-27	02:50:02.093	51.65765	7.74401	1033	-0.2	0.4	2.01220e+09	1.65547e+09	-3.66767e+09	-2.45521e+09	1.91356e+09	1.15734e+08
e0974.027.07	2007-01-27	07:10:10.163	51.65744	7.74420	1150	-0.5	0.4	2.17382e+09	2.0049e+09	-4.17831e+09	-2.32110e+09	1.18457e+09	2.47067e+08
e0977.027.07	2007-01-27	08:42:53.248	51.65798	7.74469	1065	-0.4	0.3	1.62504e+09	9.96209e+08	-2.62125e+09	-1.27328e+09	1.42762e+09	-1.04335e+09
e0991.028.07	2007-01-28	00:59:05.131	51.65634	7.74458	1112	-0.2	0.3	1.43394e+09	1.26307e+09	-2.69701e+09	-1.42735e+09	-7.17822e+08	-1.40881e+09
e0992.028.07	2007-01-28	01:40:05.937	51.65791	7.74440	1000	-0.4	0.1	1.01264e+09	2.62539e+08	-1.27518e+09	5.3627e+08	-8.91891e+08	-2.61803e+08

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e1005.028.07	2007-01-28	20:26:45.219	51.65606	7.74657	1154	-0.2	0.4	2.14104e+9	1.58930e+9	-3.73054e+9	1.96556e+9	-1.17477e+9	-2.04826e+9
e1034.029.07	2007-01-29	21:32:22.968	51.65649	7.74643	1182	-0.4	0.2	1.31869e+9	4.96740e+8	-1.81543e+9	9.07713e+8	-7.11351e+8	-1.02038e+9
e1066.030.07	2007-01-30	17:53:14.916	51.65390	7.74656	1022	-0.3	0.3	1.99597e+9	7.94044e+8	-2.79002e+9	1.35894e+9	-1.37754e+9	-2.37370e+8
e1067.030.07	2007-01-30	19:06:27.067	51.65625	7.74640	1204	-0.3	0.3	1.13475e+9	1.28420e+9	-2.41895e+9	1.51616e+9	-3.19132e+8	-1.79034e+9
e1078.030.07	2007-01-30	23:23:06.166	51.65770	7.74442	1091	-0.5	0.2	-7.98360e+8	1.81115e+9	-1.01279e+9	-1.13523e+9	1.07604e+9	3.05899e+8
e1095.031.07	2007-01-31	09:35:11.108	51.65750	7.74426	1069	-0.2	0.4	1.79891e+9	1.91666e+9	-3.71557e+9	-2.55291e+9	1.62062e+9	6.71803e+8
e1001.032.07	2007-01-31	21:40:03.535	51.65786	7.74475	1112	-0.4	0.2	7.64634e+8	1.12617e+9	-1.89080e+9	-1.22775e+9	8.74810e+8	1.58682e+8
e0016.032.07	2007-02-01	19:22:35.215	51.65753	7.74453	1099	-0.1	0.4	2.46594e+9	1.71773e+9	-4.18367e+9	-2.31385e+9	1.06010e+9	4.55646e+8
e0023.032.07	2007-02-01	22:30:23.737	51.65806	7.74443	1050	-0.2	0.3	2.25787e+9	8.92386e+8	-3.13025e+9	1.42462e+9	-2.47210e+8	-1.23941e+07
e0051.033.07	2007-02-02	18:24:58.715	51.65780	7.74447	1148	-0.3	0.3	9.13397e+8	1.58845e+9	-2.50185e+9	-1.79145e+9	1.38344e+9	2.61593e+8
e0058.033.07	2007-02-02	22:07:43.656	51.65771	7.74463	1077	-0.2	0.3	-3.65877e+8	2.43010e+9	-2.06423e+9	-1.60718e+9	1.36381e+9	6.37846e+8
e0081.035.07	2007-02-04	02:36:22.424	51.65917	7.74311	1135	-0.5	0.0	7.44399e+8	1.10408e+8	-8.54807e+8	3.05755e+8	-7.05657e+8	-1.37766e+8
e0089.035.07	2007-02-04	22:35:08.242	51.65619	7.74001	1000	-0.1	0.4	-4.16160e+9	4.42498e+9	-2.63379e+8	-5.83658e+8	1.06137e+9	-3.26511e+07
e0090.035.07	2007-02-04	23:09:19.138	51.65916	7.74447	1100	-0.4	0.3	2.30003e+9	6.67469e+8	-2.96750e+9	1.24643e+9	-8.76918e+8	-6.37651e+8
e0095.036.07	2007-02-05	04:07:18.899	51.65795	7.74450	1144	-0.2	0.3	6.94080e+8	1.79925e+9	-2.49333e+9	-1.81534e+9	1.21247e+9	5.16314e+8
e1018.036.07	2007-02-05	19:23:49.771	51.65763	7.74777	998	-0.3	0.4	2.62290e+9	1.52459e+9	-4.17479e+9	-2.20258e+9	1.37391e+9	1.04001e+8
e1019.036.07	2007-02-05	20:04:50.890	51.65772	7.74623	1071	-0.2	0.4	1.26861e+9	2.65397e+9	-3.92253e+9	-2.33927e+9	1.54851e+9	2.50907e+8
e10125.037.07	2007-02-06	11:54:46.866	51.65787	7.74491	1116	-0.1	0.4	1.38097e+9	2.44483e+9	-3.82580e+9	-2.44932e+9	1.56890e+9	4.81092e+8
e10130.037.07	2007-02-06	19:09:58.414	51.65770	7.74483	1063	-0.2	0.4	2.38729e+9	1.64756e+9	-4.03485e+9	-2.22495e+9	1.62911e+9	-3.74836e+07
e10132.037.07	2007-02-06	20:30:34.858	51.65779	7.74460	1089	-0.4	0.3	1.36594e+9	1.51736e+9	-2.88330e+9	-1.67302e+9	9.59159e+8	2.00513e+8
e10143.037.07	2007-02-06	23:24:52.938	51.65780	7.74494	1050	-0.5	0.2	6.19959e+8	1.21278e+9	-1.83274e+9	-1.22927e+9	9.35130e+8	1.38744e+8
e10144.037.07	2007-02-06	23:24:59.809	51.65655	7.74701	1229	-0.3	0.2	-7.67460e+8	1.16062e+8	8.83522e+8	-6.08045e+8	1.01632e+9	1.70813e+9
e10155.038.07	2007-02-07	18:00:22.142	51.65784	7.74491	1014	-0.1	0.5	-1.07937e+9	5.08938e+9	-4.01001e+9	-2.97024e+9	2.98483e+9	7.11143e+8
e10162.039.07	2007-02-08	11:15:18.385	51.65808	7.74428	1072	-0.2	0.3	7.83684e+8	1.76569e+9	-2.54937e+9	-1.80989e+9	1.14187e+9	5.52143e+8
e10167.039.07	2007-02-08	20:37:44.271	51.65773	7.74463	1087	-0.5	0.2	4.37293e+8	1.42466e+9	-1.86196e+9	-1.20355e+9	7.81827e+8	3.28914e+8
e10168.039.07	2007-02-08	21:39:12.248	51.65810	7.74433	1083	-0.4	0.2	-3.40933e+8	1.90423e+9	-1.56336e+9	-9.25477e+8	9.37651e+8	4.27600e+8
e10171.040.07	2007-02-09	00:02:47.013	51.65796	7.74465	1000	-0.4	0.2	-4.09792e+07	1.64787e+9	-1.60899e+9	-1.15947e+9	8.72280e+8	5.0694e+8
e10177.040.07	2007-02-09	15:18:08.371	51.65772	7.74490	1046	-0.3	0.3	1.13176e+9	1.56140e+9	-2.69316e+9	-1.72209e+9	1.22896e+9	1.95214e+8
e10179.040.07	2007-02-09	15:36:52.883	51.65787	7.74481	1041	-0.3	0.3	1.37352e+9	1.31964e+9	-2.69316e+9	-1.73523e+9	1.21235e+9	2.80466e+8
e10180.040.07	2007-02-09	16:56:11.490	51.65775	7.74478	1000	-0.4	0.3	1.27497e+9	1.64854e+9	-2.92351e+9	-1.68325e+9	7.49517e+8	3.99762e+8
e10186.040.07	2007-02-09	17:35:45.543	51.65781	7.74486	1087	-0.3	0.3	7.38898e+8	2.09686e+9	-2.85257e+9	-1.58983e+9	9.76177e+8	2.51063e+8
e10202.041.07	2007-02-10	16:17:52.881	51.65794	7.74482	1092	-0.2	0.3	3.79971e+8	2.17054e+9	-2.55051e+9	-1.63178e+9	1.24940e+9	3.09764e+8
e10206.041.07	2007-02-10	20:36:43.086	51.65776	7.74496	1040	-0.5	0.2	6.86599e+8	1.24760e+9	-1.93420e+9	-1.21281e+9	7.83326e+8	2.0695e+8
e10207.041.07	2007-02-10	22:25:04.840	51.65804	7.74326	1073	-0.4	0.2	4.06474e+8	1.63475e+9	-2.04122e+9	-9.28066e+8	7.15524e+8	-3.69448e+8
e10216.042.07	2007-02-11	13:55:32.434	51.65775	7.74490	1039	-0.5	0.2	-3.36251e+8	1.89341e+9	-1.55716e+9	-9.42912e+8	9.70616e+8	3.45366e+8
e10218.042.07	2007-02-11	15:18:50.529	51.65797	7.74517	1049	-0.3	0.3	-5.72656e+8	2.73607e+9	-2.16342e+9	-1.26155e+9	1.38636e+9	4.89184e+8
e10219.042.07	2007-02-11	18:36:45.084	51.65783	7.74464	1092	-0.4	0.2	3.89461e+8	1.43558e+9	-1.82504e+9	-1.19551e+9	8.70595e+8	2.30269e+8
e10245.043.07	2007-02-12	16:52:07.669	51.65801	7.74486	1027	-0.3	0.3	2.26343e+9	8.22208e+8	-3.08564e+9	1.37492e+9	-6.44274e+8	-1.85342e+08
e10246.043.07	2007-02-12	19:08:19.539	51.65795	7.74498	1127	-0.3	0.3	7.92946e+8	1.93919e+9	-2.73213e+9	-1.66234e+9	1.12026e+9	2.34036e+8
e10250.043.07	2007-02-12	23:17:33.798	51.65786	7.74482	1134	-0.2	0.4	1.50334e+9	2.33123e+9	-3.83456e+9	-2.39155e+9	1.73904e+9	1.74422e+8
e10295.045.07	2007-02-14	18:01:16.823	51.65811	7.74519	1053	-0.4	0.2	4.96437e+8	1.28761e+9	-1.78405e+9	-1.25841e+9	9.02574e+8	2.64623e+8
e10299.045.07	2007-02-14	19:38:25.009	51.65766	7.74486	1084	-0.4	0.3	9.89046e+8	1.62338e+9	-2.61244e+9	-1.73845e+9	1.31236e+9	1.90432e+8
e10300.045.07	2007-02-14	20:08:29.424	51.65784	7.74488	1064	-0.5	0.2	8.82594e+8	1.04197e+9	-1.92456e+9	-1.18449e+9	9.07458e+8	3.31879e+07
e10304.045.07	2007-02-14	20:36:18.057	51.65761	7.74495	1098	-0.4	0.3	1.09313e+9	1.56417e+9	-2.65731e+9	-1.71389e+9	1.30132e+9	1.33124e+8
e10329.046.07	2007-02-15	20:24:11.234	51.65834	7.74484	1055	-0.3	0.3	1.70746e+9	1.27677e+9	-2.98393e+9	1.55298e+9	-2.71813e+8	-8.8864e+8

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _W	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0403.049.07	2007-02-18	07:42:01.451	51.65824	7.74692	1000	-0.4	0.3	6.66238e+08	2.20408e+9	-2.87032e+9	-1.38489e+9	1.05582e+9	-4.43889e+08
e0407.049.07	2007-02-18	21:14:12.826	51.65783	7.74513	1085	-0.4	0.3	7.55612e+08	1.83320e+9	-2.58881e+9	-1.70295e+9	1.32694e+9	1.49762e+08
e0414.050.07	2007-02-19	00:33:19.376	51.65805	7.74530	1032	-0.2	0.3	-4.76212e+08	2.48470e+9	-2.00849e+9	-1.53695e+9	1.52899e+9	2.87996e+08
e0416.050.07	2007-02-19	02:10:47.965	51.65789	7.74514	1049	-0.3	0.3	6.75745e+08	1.94799e+9	-2.62374e+9	-1.67191e+9	1.26787e+9	1.71943e+08
e0444.050.07	2007-02-19	23:32:01.609	51.65789	7.74485	1138	-0.5	0.3	6.65502e+08	2.01813e+9	-2.68363e+9	-1.67409e+9	1.08948e+9	3.89392e+08
e0464.051.07	2007-02-20	11:19:56.317	51.65831	7.74645	1071	-0.3	0.4	1.51245e+09	2.67130e+9	-4.18375e+9	-2.16430e+9	1.29616e+9	-3.53345e+08
e0476.051.07	2007-02-20	16:53:32.822	51.65815	7.74531	1000	-0.3	0.3	4.41113e+08	2.21615e+9	-2.65726e+9	-1.59059e+9	1.12139e+9	3.59192e+08
e0586.054.07	2007-02-20	18:10:16.750	51.65825	7.74474	1004	-0.5	0.2	2.29821e+08	1.54956e+9	-1.77938e+9	-1.17473e+9	7.39852e+08	5.23855e+08
e0597.054.07	2007-02-23	17:35:01.201	51.65817	7.74550	1125	-0.5	0.2	4.24437e+08	1.43776e+9	-1.86220e+9	-1.17526e+9	8.61356e+08	1.75531e+08
e0598.054.07	2007-02-23	21:41:17.925	51.65816	7.74551	1036	-0.5	0.3	-5.40969e+08	2.55073e+9	-2.00976e+9	-1.48864e+9	1.49596e+9	3.56416e+08
e0633.055.07	2007-02-23	21:47:39.124	51.65800	7.74339	1221	-0.1	0.4	3.17006e+09	1.56515e+9	-2.69943e+08	-2.90011e+9	4.0549e+08	1.66384e+09
e0634.055.07	2007-02-24	15:49:08.435	51.65817	7.74573	1118	-0.5	0.3	1.05476e+09	1.56154e+9	-2.61629e+9	-1.65681e+9	1.43248e+9	-7.09794e+07
e0641.055.07	2007-02-24	16:03:42.170	51.65844	7.74536	1033	-0.1	0.3	6.75769e+08	1.20479e+9	-1.88055e+9	-1.18871e+9	-5.31696e+08	-2.36261e+09
e0653.055.07	2007-02-24	21:45:51.831	51.65830	7.74575	1089	-0.4	0.3	1.28661e+09	1.60800e+9	-2.89541e+9	-1.55224e+9	1.08719e+9	-3.08360e+08
e0669.056.07	2007-02-24	07:59:40.304	51.65813	7.74542	1088	-0.3	0.4	-1.25150e+09	3.58368e+9	-2.3218e+9	-2.23444e+9	2.16242e+9	5.99826e+08
e0678.056.07	2007-02-25	13:03:43.909	51.65830	7.74571	1125	-0.2	0.4	2.12475e+09	1.96512e+9	-4.08987e+9	-2.20293e+9	1.56234e+9	-3.27385e+08
e0692.056.07	2007-02-25	19:33:57.423	51.65798	7.74540	1104	-0.1	0.4	9.74276e+08	1.68885e+9	-2.66313e+9	-2.28684e+9	3.01457e+9	-4.34158e+08
e0714.057.07	2007-02-26	18:03:47.658	51.65810	7.74567	1027	-0.4	0.2	7.69107e+08	1.02373e+9	-1.79284e+9	-1.23704e+9	1.02203e+9	1.00757e+08
e0715.057.07	2007-02-26	18:44:26.813	51.65811	7.74579	1000	-0.5	0.3	2.48428e+08	2.30094e+9	-2.54937e+9	-1.56958e+9	1.21419e+9	3.66717e+08
e0716.057.07	2007-02-26	18:46:29.912	51.65799	7.74598	1075	-0.1	0.5	1.21503e+09	4.20144e+9	-5.41647e+9	-3.08613e+9	2.45844e+9	-9.67121e+07
e0722.057.07	2007-02-26	21:13:33.299	51.65826	7.74585	1012	-0.5	0.2	-4.25891e+08	1.68403e+9	-1.25814e+9	-1.15830e+9	1.16481e+9	1.15308e+08
e0723.057.07	2007-02-26	21:41:00.679	51.65805	7.74566	1039	-0.3	0.3	9.07654e+08	1.38529e+9	-2.29294e+9	-1.75776e+9	1.70565e+9	2.84595e+07
e0739.058.07	2007-02-27	11:38:44.075	51.65820	7.74522	1106	-0.2	0.5	-1.81491e+09	5.25436e+9	-4.06354e+07	-5.79202e+08	2.82470e+9	3.18282e+09
e0747.058.07	2007-02-27	16:20:53.056	51.65778	7.74581	651	-0.3	0.2	-2.17459e+09	2.21523e+9	-2.53245e+9	-1.70533e+9	3.61449e+08	1.79287e+08
e0770.059.07	2007-02-28	17:21:41.630	51.65808	7.74489	1072	-0.3	0.4	-1.04184e+09	3.47000e+9	-2.42816e+9	-2.34266e+9	2.02593e+9	4.12714e+07
e0016.060.07	2007-03-01	19:28:14.206	51.65845	7.74562	1061	-0.3	0.4	9.89273e+08	2.43832e+9	-3.41559e+9	-2.46278e+9	2.14607e+9	1.25608e+08
e0027.060.07	2007-03-01	22:46:55.509	51.65812	7.74629	1034	-0.3	0.3	8.73942e+08	1.53641e+9	-2.41035e+9	-1.67713e+9	1.64537e+9	-1.13697e+08
e0029.060.07	2007-03-01	22:56:17.435	51.65812	7.74583	1106	-0.4	0.3	1.11994e+09	1.47657e+9	-1.68625e+9	-1.68625e+9	1.43815e+9	7.26751e+06
e0049.061.07	2007-03-02	23:38:05.608	51.65818	7.74567	1096	-0.5	0.2	7.95752e+08	1.46097e+08	-1.71185e+9	-1.24798e+9	1.11510e+9	9.75887e+07
e0081.062.07	2007-03-03	13:42:56.990	51.65822	7.74588	1145	-0.3	0.5	1.45193e+09	4.08886e+9	-5.54079e+9	-3.18394e+9	2.20285e+9	2.38889e+08
e0088.062.07	2007-03-03	15:02:30.163	51.65842	7.74643	1207	-0.5	0.3	8.32167e+08	1.98625e+9	-2.81843e+9	-1.59623e+9	1.07576e+9	6.42251e+07
e0092.062.07	2007-03-03	15:04:01.717	51.65820	7.74593	1027	-0.3	0.4	-4.12208e+08	3.58484e+9	-3.17263e+9	-2.04656e+9	2.06658e+9	4.41082e+08
e0093.062.07	2007-03-03	16:34:11.519	51.65377	7.74624	1084	-0.5	0.2	1.96750e+09	-4.14918e+07	-1.92601e+9	-3.23582e+08	-8.63108e+08	6.09144e+08
e0119.063.07	2007-03-04	08:57:38.901	51.65873	7.74586	1049	-0.4	0.3	1.37236e+09	1.67918e+9	-3.05154e+9	-1.54022e+9	6.95229e+08	-3.70052e+08
e0123.063.07	2007-03-04	13:08:53.051	51.65853	7.74635	1131	-0.5	0.3	-4.33568e+08	2.47810e+09	-2.04453e+9	-1.54790e+9	1.49097e+9	3.56253e+08
e0135.063.07	2007-03-04	15:11:59.632	51.65840	7.74588	1128	-0.5	0.3	8.18517e+08	1.96235e+9	-2.78086e+9	-1.64781e+9	1.04456e+9	2.58114e+08
e0156.064.07	2007-03-05	19:01:55.880	51.65830	7.74604	1035	-0.4	0.3	-5.02446e+08	1.52929e+9	-2.45899e+9	-1.85965e+9	1.30744e+9	4.52993e+08
e0161.064.07	2007-03-05	20:17:31.166	51.65816	7.74563	1153	-0.2	0.4	1.92267e+09	1.42794e+9	-3.35061e+9	-2.22897e+9	2.54491e+9	3.66953e+08
e0179.065.07	2007-03-06	11:48:30.155	51.65807	7.74622	998	-0.4	0.4	1.32341e+09	2.56840e+09	-2.84180e+9	-3.89160e+08	1.71083e+9	-2.62761e+07
e0210.066.07	2007-03-06	22:05:43.629	51.65970	7.74462	1000	-0.2	0.3	2.78827e+09	5.35296e+07	-2.84180e+9	-3.89160e+08	1.71083e+9	1.39888e+08
e0216.066.07	2007-03-07	12:01:04.829	51.65820	7.74643	1050	-0.1	0.5	1.32086e+09	4.13686e+9	-5.45773e+9	-3.08911e+9	2.43366e+09	-1.51179e+08
e0221.066.07	2007-03-07	16:50:30.702	51.65880	7.74635	1000	-0.5	0.3	6.17985e+08	2.15899e+9	-2.77697e+9	-1.54577e+9	1.10755e+9	8.11249e+07
e0226.066.07	2007-03-07	21:36:11.160	51.65826	7.74600	1014	-0.4	0.3	7.74732e+08	1.99938e+9	-2.71466e+9	-1.61648e+9	1.23299e+9	1.60808e+07
e0227.066.07	2007-03-07	22:53:10.817	51.65821	7.74590	1046	-0.2	0.4	1.60435e+09	1.90790e+9	-3.51226e+9	-2.28097e+9	2.32379e+9	-2.73558e+08
e0227.066.07	2007-03-07	23:11:00.479	51.66041	7.74733	951	-0.1	0.4	2.48173e+09	1.84497e+9	-4.32670e+9	-2.25166e+9	8.38538e+08	1.94472e+08

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0239.067.07	2007-03-08	10:40:36.551	51.65811	7.74532	1053	-0.2	0.4	2.08694e+09	1.84113e+09	-3.92808e+09	-2.46074e+09	1.37880e+09	6.39430e+08
e0250.067.07	2007-03-08	15:02:03.851	51.65897	7.74539	1261	-0.3	0.5	1.92302e+09	3.85316e+09	-5.77618e+09	-3.28121e+09	1.47763e+09	9.52098e+08
e0251.067.07	2007-03-08	15:10:46.937	51.65803	7.74586	1182	-0.3	0.4	1.20251e+09	2.65672e+09	-3.85924e+09	-2.37494e+09	1.57640e+09	3.58152e+08
e0264.067.07	2007-03-08	23:55:16.996	51.65819	7.74596	1195	-0.5	0.4	1.07347e+09	2.74480e+09	-3.81827e+09	-2.33581e+09	1.67643e+09	2.31216e+08
e0266.068.07	2007-03-09	00:25:32.410	51.65807	7.74680	1090	-0.5	0.3	8.42763e+08	1.89451e+09	-2.73727e+09	-1.57458e+09	1.26461e+09	-1.59461e+08
e0290.068.07	2007-03-09	20:32:46.829	51.65190	7.74817	1188	-0.4	0.2	9.28024e+08	1.26461e+09	-2.19263e+09	-1.09056e+09	1.05615e+09	-4.01196e+08
e0309.069.07	2007-03-10	09:04:05.400	51.65877	7.74713	1261	-0.5	0.3	-4.00466e+08	3.05777e+09	-2.65731e+09	5.50807e+07	1.05615e+09	-7.71823e+08
e0314.069.07	2007-03-10	15:28:33.385	51.65779	7.74600	1122	-0.5	0.3	5.60668e+08	2.06307e+09	-2.63734e+09	-1.62346e+09	1.27310e+09	1.27590e+08
e0315.069.07	2007-03-10	15:35:55.094	51.65820	7.74619	1080	-0.3	0.4	6.63484e+08	3.12004e+09	-3.78524e+09	-2.08297e+09	1.82021e+09	-2.36127e+08
e0317.069.07	2007-03-10	16:07:15.973	51.65807	7.74602	1034	-0.4	0.4	8.01151e+08	3.05809e+09	-3.85924e+09	-2.21259e+09	1.60162e+09	2.19397e+08
e0323.069.07	2007-03-10	20:10:00.987	51.65850	7.74624	1118	-0.3	0.4	4.04525e+09	3.78115e+08	-4.42336e+09	-1.23676e+09	-5.94500e+08	1.81757e+08
e0344.070.07	2007-03-11	07:39:10.559	51.65848	7.74633	1079	-0.3	0.3	9.70976e+08	1.89934e+09	-2.87702e+09	-1.51450e+09	1.09644e+09	-3.31094e+08
e0348.070.07	2007-03-11	09:18:00.495	51.65816	7.74684	1116	-0.5	0.3	3.65649e+08	2.29166e+09	-2.65731e+09	-1.43719e+09	1.29791e+09	-1.63022e+08
e0348.070.07	2007-03-11	09:27:42.811	51.65864	7.74655	1072	-0.3	0.4	1.04513e+09	3.07690e+09	-4.12020e+09	-1.99501e+09	1.37796e+09	-5.46333e+08
e0349.070.07	2007-03-11	09:35:22.246	51.65799	7.74631	1120	-0.1	0.6	1.50946e+09	6.10899e+09	-7.61845e+09	-4.38315e+09	3.36895e+09	2.26882e+08
e0352.070.07	2007-03-11	10:15:51.996	51.65871	7.74716	1260	-0.3	0.4	-4.24644e+08	4.31645e+09	-3.893181e+09	2.14102e+08	1.29388e+09	-1.11983e+09
e0363.070.07	2007-03-11	18:01:48.730	51.65916	7.74522	1000	-0.2	0.3	2.91740e+09	1.75302e+08	-3.09270e+09	-7.16425e+08	-6.48339e+08	1.14035e+08
e0403.071.07	2007-03-12	21:24:03.560	51.65794	7.74621	1110	-0.5	0.3	6.41534e+08	2.10596e+09	-2.74749e+09	-1.56007e+09	1.16955e+09	2.57238e+07
e0408.071.07	2007-03-12	22:41:12.696	51.65764	7.74633	1180	-0.3	0.5	1.00221e+09	4.37134e+09	-5.37355e+09	-3.02526e+09	2.48136e+09	-8.55343e+07
e0417.072.07	2007-03-13	10:03:33.115	51.65650	7.74687	1145	-0.3	0.4	2.50415e+09	1.85606e+09	-4.36075e+09	2.24731e+09	-1.29724e+08	7.20064e+08
e0422.072.07	2007-03-13	12:47:58.706	51.65826	7.74583	1320	-0.3	0.5	-1.42575e+08	4.93473e+09	-4.79215e+09	-2.88067e+09	2.78401e+09	3.05733e+08
e0436.072.07	2007-03-13	21:52:43.158	51.65781	7.74624	1197	-0.3	0.4	8.13754e+08	2.90867e+09	-3.72243e+09	-2.23657e+09	1.86009e+09	-3.06196e+07
e0448.073.07	2007-03-14	10:02:54.204	51.65822	7.74581	1063	-0.5	0.3	9.65701e+08	1.56097e+09	-2.52668e+09	-1.77782e+09	1.38141e+09	2.3264e+08
e0449.073.07	2007-03-14	10:03:50.101	51.65821	7.74672	1038	-0.1	0.4	1.33305e+09	2.67264e+09	-4.00568e+09	2.01834e+09	-3.64589e+08	-1.80644e+09
e0452.073.07	2007-03-14	11:15:39.968	51.65804	7.74687	1179	-0.3	0.4	1.06961e+09	2.65826e+09	-3.72787e+09	-2.27267e+09	1.92715e+09	-1.41433e+08
e0454.073.07	2007-03-14	12:04:56.259	51.65816	7.74628	1124	-0.4	0.4	1.77252e+09	2.03983e+09	-3.81234e+09	-2.38941e+09	1.81819e+09	1.38616e+08
e0457.073.07	2007-03-14	20:40:13.323	51.65819	7.74685	1110	-0.4	0.4	6.84034e+08	2.98364e+09	-3.66767e+09	-2.17665e+09	1.94337e+09	-1.64952e+08
e0464.073.07	2007-03-14	21:19:03.222	51.65845	7.74634	1228	-0.5	0.3	1.07390e+09	1.70307e+09	-2.77697e+09	-1.69827e+09	1.08548e+09	2.34476e+08
e0466.074.07	2007-03-15	22:05:33.501	51.65807	7.74686	1162	-0.3	0.4	1.04069e+09	2.77165e+09	-3.81234e+09	-2.23116e+09	1.81749e+09	-1.47518e+08
e0513.075.07	2007-03-16	23:51:59.381	51.65797	7.74627	1106	-0.5	0.3	-3.23078e+08	2.46814e+09	-2.14506e+09	-1.51594e+09	2.32553e+09	-8.15074e+07
e0520.076.07	2007-03-17	16:20:34.478	51.65799	7.74628	1068	-0.3	0.4	-7.93086e+08	3.37656e+09	-2.58347e+09	-2.34220e+09	2.21649e+09	2.48384e+08
e0586.080.07	2007-03-21	05:03:45.857	51.65899	7.74683	1193	-0.1	0.5	1.52647e+09	4.22647e+09	-5.75294e+09	-2.83108e+09	2.08494e+09	-8.98037e+08
e0603.083.07	2007-03-24	13:51:46.972	51.65838	7.74715	1048	-0.4	0.4	-4.46018e+09	4.31489e+09	1.45282e+08	-8.05309e+07	1.71316e+08	-8.06530e+08
e0643.084.07	2007-03-25	08:51:43.156	51.66020	7.74897	1172	-0.5	0.1	7.89957e+08	3.36033e+08	-1.12604e+08	5.63540e+08	1.03881e+09	-3.57909e+08
e0645.084.07	2007-03-25	16:52:52.207	51.65869	7.74805	1128	-0.1	0.5	-5.46726e+08	5.21889e+09	-4.67216e+09	-9.53279e+08	2.59709e+09	-2.73399e+09
e0651.084.07	2007-03-25	19:20:17.586	51.65861	7.74684	1104	-0.5	0.3	-9.17838e+08	2.51961e+09	-1.60177e+09	-1.55819e+09	1.63131e+09	1.80584e+08
e0670.087.07	2007-03-28	22:31:00.994	51.65892	7.74646	1160	-0.2	0.5	4.71753e+09	1.08900e+09	-5.80653e+09	2.35452e+09	-2.35157e+09	-3.98319e+08
e0672.088.07	2007-03-29	16:50:29.381	51.65923	7.74048	1143	-0.1	0.2	1.07302e+09	5.54321e+08	-1.62734e+09	8.80684e+08	-1.42275e+09	-3.98255e+08
e0682.089.07	2007-03-30	11:12:24.444	51.65882	7.74717	1148	-0.2	0.4	1.48305e+09	2.59698e+09	-4.08004e+09	-1.96360e+09	-1.15184e+09	-1.40552e+09
e0683.089.07	2007-03-30	15:48:58.643	51.65888	7.74861	1131	-0.4	0.3	1.05265e+09	1.85237e+09	-2.90503e+09	-1.54543e+09	1.03230e+09	-2.38201e+08
e0688.089.07	2007-03-30	22:55:44.068	51.65890	7.74790	1049	-0.3	0.3	2.58028e+09	5.62756e+08	-3.14304e+09	-1.22825e+09	-1.84755e+08	-1.75033e+08
e0005.091.07	2007-04-01	13:34:32.176	51.65927	7.74669	1143	-0.2	0.4	-1.24532e+09	2.20817e+09	-9.62844e+08	-1.14080e+09	3.30512e+09	-2.01257e+09
e0007.092.07	2007-04-02	03:52:29.891	51.65880	7.74639	1154	-0.2	0.5	4.27719e+09	1.70895e+09	-5.98614e+09	2.72696e+09	-1.82657e+09	-7.16695e+08
e0011.092.07	2007-04-02	22:02:34.423	51.65210	7.74689	1106	-0.1	0.3	1.38772e+09	1.35311e+09	-2.74083e+09	1.46466e+09	5.81319e+08	1.37202e+09
e0041.099.07	2007-04-09	16:49:47.177	51.65885	7.74659	1180	-0.1	0.5	4.41570e+09	1.54033e+09	-5.95603e+09	-2.68116e+09	-1.94493e+09	4.08237e+08

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EventId	Date	Time	Lat	Lon	D(m)	M _L	M _w	M _{nn}	M _{ee}	M _{dd}	M _{ne}	M _{nd}	M _{ed}
e0134.112.07	2007-04-22	18:47:09.615	51.65741	7.74133	1000	-0.3	0.3	2.77248e+09	3.70095e+08	-3.14257e+09	1.03282e+09	1.24299e+08	2.61096e+08
e0095.133.07	2007-05-13	23:51:42.693	51.65946	7.74803	1242	-0.5	0.1	5.94272e+08	3.16947e+08	-9.11220e+08	-5.35319e+08	6.35960e+08	-1.08577e+09
e0124.138.07	2007-05-18	07:06:52.970	51.65925	7.74713	1229	-0.1	0.6	7.63276e+09	8.81894e+08	-8.53465e+09	2.67091e+09	-2.48488e+09	-1.81854e+08
e0217.148.07	2007-05-28	18:23:24.627	51.65606	7.74959	1866	-0.5	0.5	-4.72099e+09	5.08019e+09	-3.59206e+08	-1.98528e+09	2.09363e+09	2.71542e+09
e0140.161.07	2007-06-10	02:18:59.707	51.65863	7.74754	1207	-0.5	0.2	8.94975e+08	1.28949e+09	-2.18447e+09	1.08111e+09	3.88543e+08	2.72559e+08
e0165.162.07	2007-06-11	19:31:35.162	51.65639	7.74896	1273	-0.5	0.3	1.41091e+09	1.49412e+09	-2.90503e+09	-1.59578e+09	-9.22142e+07	1.05541e+09
e0229.167.07	2007-06-16	19:36:28.483	51.65535	7.74979	1456	-0.4	0.4	-1.12170e+09	4.03749e+09	-2.91580e+09	-1.54887e+09	2.04366e+09	5.88528e+08
e0257.169.07	2007-06-18	00:14:27.019	51.65274	7.74830	1071	-0.5	0.2	1.80668e+09	3.92660e+08	-2.19934e+09	-8.88957e+08	1.54169e+07	3.06116e+08
e0262.169.07	2007-06-18	02:28:57.731	51.65286	7.74811	1000	-0.4	0.2	1.76840e+09	4.02817e+08	-2.17122e+09	-8.95000e+08	-1.77659e+08	4.21246e+08

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