

## APPENDIX C

### METADATA FILE LISTING

```
<!DOCTYPE METADATA PUBLIC "-//DOE RAPID5//DTD EMF Metadata Ver 0//EN">
<metadata>
  <dataset-reference>
    <title>DOE EMF Rapid Program Engineering Project #6
    "Survey of Personal Magnetic Field Exposure,
    Phase II: 1000-Person Survey" </title>
    <version>19980555</version>
    <status>Complete </status>
    <revision-history>
    <date>19980505</date>
    <contact>
      <organization>Enertech Consultants</organization>
      <name>Luciano Zaffanella</name>
      <address>
        Main Street
        Lee, MA 01238
      </address>
      <phone-voice>413-243-2800</phone-voice>
      <phone-fax>413-243-4620</phone-fax>
      <email-address>luciano@bcn.net</email-address>
    </contact>
    <description></description>
  </revision-history>
</dataset-reference>
<dataset-description>
  <abstract>The goal of this engineering project is to obtain accurate
  information on the distribution of magnetic field exposures of the general
  population of the United States.</abstract>
  <keyword>Magnetic Field, Personal, Exposure, Activity, Power Line,
  Residence, Questionnaire, Diary</keyword>
  <producer>
    <contact>
      <organization>Enertech Consultants</organization>
      <name>Luciano Zaffanella</name>
      <address>
        17 Main Street
        Lee, MA 01238
      </address>
      <phone-voice>413-243-2800</phone-voice>
      <phone-fax>413-243-4620</phone-fax>
      <email-address>luciano@bcn.net</email-address>
    </contact>
  </producer>
  <time-period>Measurements were made between November 1997 and
  April 1998</time-period>
  <geographic-location>Subject measurements were made randomly
  throughout the United States.</geographic-location>
  <general-location>Personal exposure meters were worn by the subjects
  for a period of 24 hours, the location of the measurements includes
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anywhere the subject spent time including home, work, bed, at school, or travel.</general-location>

<exposure-metric>RMS magnetic field in the frequency range from 40 Hz to 1000Hz measured along three orthogonal axes and combined to give a resultant value.</exposure-metric>

<sampling-interval>An EMDEX PAL was used taking samples every one half of a second</sampling-interval>

<duration-of-measurements>Personal exposure measurements made with the EMDEX PAL gathered data at a rate of 1 measurement every half a second and lasted for 24 hours.</duration-of-measurements>

<type-of-measurement>Personal Exposure</type-of-measurement>

<methodology>Measurements were performed according to the survey protocol described in the Final Report of DOE Rapid Program Engineering Project #6 " Survey of Personal Magnetic Field Exposure, Phase II: 1000-Person Survey". The basic components of the protocol are: Random telephone number selection, subject introductory letter, subject interview, subject consent, personal exposure meter and instruction delivery, 24 hour personal exposure measurements, meter download / magnetic field exposure calculations, and database storage.</methodology>

<selection>Households were randomly selected from listed telephone numbers and selected based upon their willingness to participate.</selection>

<sample-size>1012 subjects.</sample-size>

<instrumentation>

  <instrument>EMDEX PAL</instrument>

  <manufacturer>

    <contact>

      <organization>Enertech Consultants</organization>

      <address>

        300 Orchard City Drive, Suite #132

        Campbell, California 95008

      </address>

    </contact>

  </manufacturer>

  <version>Version 1.05</version>

  <associated-software>The PAL Windows Software was used to download and process the data.</associated-software>

  <discussion>The EMDEX PAL was used to store the personal exposure measurements for a period of 24 hours.</discussion>

  <frequency-response>40Hz - 1000 Hz</frequency-response>

  <dynamic-range>Magnetic Field, .1mG - 1 Gauss in each of three orthogonal directions.</dynamic-range>

</instrumentation>

<associated-project>

  <project-name>DOE EMF Rapid Program Engineering Project #6 "Survey of Personal Magnetic Field Exposure, Phase II: 1000-Person Survey"</project-name>

  <sponsorship>

    <contact>

      <name>US Department of Energy</name>

    </contact>

  </sponsorship>

</associated-project>

</dataset-description>

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<data-model>
  <entity>
    <name>Weight Information</name>
    <description>The Weight Information Entity contains information
    pertaining to the weight that each participant in the study was
    assigned to take into account the chance of selection of that
    person in the sample. This information is used to generate
    representative sample and variance estimators.
    </description>
    <attribute>
      <name>Base Weight</name>
      <description>This weight can be interpreted as the number
      of persons in the population that the sample person is
      representing. Sample estimators which are computed using
      these weights are "unbiased" estimators of the corresponding
      population totals of interest.</description>
      <simple-domain>Integer</simple-domain>
    </attribute>
    <attribute>
      <name>Replicate Weight</name>
      <description>Each participant in the study is also assigned
      50 replicate weights. These weights also can be interpreted
      as the number of persons in the population that the sample
      person is representing. These 50 replicate weights are used
      to compute the variance estimators.</description>
      <simple-domain>Integer</simple-domain>
    </attribute>
  </entity>
  <entity>
    <name>Work Information</name>
    <description>A portion of the respondent questionnaire, a
    questionnaire filled out by a subject answering questions
    pertaining to work, residence, and power line information.
    </description>
    <attribute>
      <name>Occupation</name>
      <description>The occupation of the subject.</description>
      <simple-domain>Free Text</simple-domain>
    </attribute>
    <attribute>
      <name>Occupation Code</name>
      <description>The occupation code of the subject.</description>
      <codeset-domain>
        <codeset-code>
          <codeset-value>1</codeset-value>
          <description>Managerial and Professional Specialty
          Occupations</description>
        </codeset-code>
        <codeset-code>
          <codeset-value>2</codeset-value>
          <description>Technical, Sales, and Administrative
          Support Occupations</description>
        </codeset-code>
        <codeset-code>
          <codeset-value>3</codeset-value>

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    <description>Service Occupations</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>4</codeset-value>
    <description>Farming, Forestry, and Fishing
    Occupations</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>5</codeset-value>
    <description>Precision Production, Craft, and Repair
    Occupations plus Operators, Fabricators, and
    Laborers</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>6</codeset-value>
    <description>Electrical Occupations</description>
  </codeset-code>
</codeset-domain>
</attribute>
<attribute>
  <name>Outside Home</name>
  <description>The location where the subject works most of
  the time outside of the home.</description>
  <codeset-domain>
    <codeset-code>
      <codeset-value>0</codeset-value>
      <description>The subject's work location is "No
      Response or Unknown" if "Work Location" is represented
      by "0".</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>1</codeset-value>
      <description>The subject's work location is "Office" if
      "Work Location" is represented by "1".</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>2</codeset-value>
      <description>The subject's work location is
      "Grocery Store or Supermarket" if "Work Location" is
      represented by "2".</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>3</codeset-value>
      <description>The subject's work location is "Other Store" if
      "Work Location" is represented by "3".</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>4</codeset-value>
      <description>The subject's work location is
      "Health Care Facility" if "Work Location"
      is represented by "4".</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>5</codeset-value>
      <description>The subject's work location is "Electric

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    Powerplant" if "Work Location" is represented by "5".
    </description>
  </codeset-code>
  <codeset-code>
    <codeset-value>6</codeset-value>
    <description>The subject's work location is "Factory" if
    "Work Location" is represented by "6".</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>7</codeset-value>
    <description>The subject's work location is "Farm" if
    "Work Location" is represented by "7".</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>8</codeset-value>
    <description>The subject's work location is "Restaurant" if
    "Work Location" is represented by "8".</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>9</codeset-value>
    <description>The subject's work location is "School" if
    "Work Location" is represented by "9".</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>10</codeset-value>
    <description>The subject's work location is "Light
    Industry" if "Work Location" is represented by "10".
    </description>
  </codeset-code>
  <codeset-code>
    <codeset-value>11</codeset-value>
    <description>The subject's work location is "OTHER" if
    "Work Location" is represented by "11".</description>
  </codeset-code>
</codeset-domain>
</attribute>
<attribute>
  <name>Other Location</name>
  <description>Specified Other Outside Home Location</description>
  <simple-domain>Free Text</simple-domain>
</attribute>
</entity>
<entity>
  <name>Residence Information</name>
  <description>A portion of the respondent questionnaire, a
  questionnaire filled out by a subject answering questions
  pertaining to work, residence, and power line information.
  </description>
  <attribute>
    <name>Residence</name>
    <description>The type of residence in which the subject resides.
    </description>
  </attribute>
  <codeset-domain>
    <codeset-code>
      <codeset-value>0</codeset-value>

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    <description>The subject's residence type is
    "No Response or Unknown" if "Residence" is represented by
    "0".</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>1</codeset-value>
    <description>The subject's residence type is
    "Single Family Home" if "Residence" is represented by
    "1".</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>2</codeset-value>
    <description>The subject's residence type is "Duplex" if
    "Residence" is represented by "2".</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>3</codeset-value>
    <description>The subject's residence type is
    "Low-rise Apartments or Condominiums (4 floors or less)" if
    "Residence" is represented by "3".</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>4</codeset-value>
    <description>The subject's residence type is
    "High-rise Apartments or Condominiums (5 floors or less)" if
    "Residence" is represented by "4".</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>5</codeset-value>
    <description>The subject's residence type is "Mobile Home" if
    "Residence" is represented by "5".</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>6</codeset-value>
    <description>The subject's residence type is "OTHER" if
    "Residence" is represented by "6".</description>
  </codeset-code>
</codeset-domain>
</attribute>
<attribute>
  <name>Bedroom Floor</name>
  <description>The floor that the bedroom of the subject is
  located on.</description>
  <codeset-domain>
    <codeset-code>
      <codeset-value>0</codeset-value>
      <description>The floor of the subject's bedroom is
      "No Response or Unknown" if "Bedroom Floor" is represented by
      "0".</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>1</codeset-value>
      <description>The floor of the subject's bedroom is
      "Basement" if "Bedroom Floor" is represented by
      "1".</description>
    </codeset-code>
  </codeset-domain>

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</codeset-code>
<codeset-code>
  <codeset-value>2</codeset-value>
  <description>The floor of the subject's bedroom is
  "First Floor" if "Bedroom Floor" is represented by
  "2".</description>
</codeset-code>
<codeset-code>
  <codeset-value>3</codeset-value>
  <description>The floor of the subject's bedroom is
  "Second Floor" if "Bedroom Floor" is represented by
  "3".</description>
</codeset-code>
<codeset-code>
  <codeset-value>4</codeset-value>
  <description>The floor of the subject's bedroom is
  "Third Floor" if "Bedroom Floor" is represented by
  "4".</description>
</codeset-code>
<codeset-code>
  <codeset-value>5</codeset-value>
  <description>The floor of the subject's bedroom is
  "OTHER" if "Bedroom Floor" is represented by
  "5".</description>
</codeset-code>
</codeset-domain>
</attribute>
<attribute>
  <name>Home Size</name>
  <description>The square footage of the subject's home (excluding
  garage, basement, attic, and open patios)</description>
  <codeset-domain>
    <codeset-code>
      <codeset-value>0</codeset-value>
      <description>The subject's home size is "No Response or
      Unknown" if "Home Size" is represented by "0".
      </description>
    </codeset-code>
    <codeset-code>
      <codeset-value>1</codeset-value>
      <description>The subject's home size is "Less than 1000
      square feet" if "Home Size" is represented by "1".
      </description>
    </codeset-code>
    <codeset-code>
      <codeset-value>2</codeset-value>
      <description>The subject's home size is "Between 1000 and
      2000 square feet" if "Home Size" is represented by "2".
      </description>
    </codeset-code>
    <codeset-code>
      <codeset-value>3</codeset-value>
      <description>The subject's home size is "More than 2000
      square feet" if "Home Size" is represented by "3".
      </description>
    </codeset-code>
  </codeset-domain>
</attribute>

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    </codeset-code>
  </codeset-domain>
</attribute>
<attribute>
  <name>Pipe Type</name>
  <description>The type of water supply pipes in the subject's
  home.</description>
  <codeset-domain>
    <codeset-code>
      <codeset-value>0</codeset-value>
      <description>The subject's pipe type is "No Response or
      Unknown" if "Pipe Type" is represented by "0".
      </description>
    </codeset-code>
    <codeset-code>
      <codeset-value>1</codeset-value>
      <description>The subject's pipe type is "Metal"
      if "Pipe Type" is represented by "1".
      </description>
    </codeset-code>
    <codeset-code>
      <codeset-value>2</codeset-value>
      <description>The subject's pipe type is "Plastic"
      if "Pipe Type" is represented by "2".
      </description>
    </codeset-code>
  </codeset-domain>
</attribute>
</entity>
<entity>
  <name>Power Line Information</name>
  <description>A portion of the respondent questionnaire, a
  questionnaire filled out by a subject answering questions
  pertaining to work, residence, and power line information.
  </description>
  <attribute>
    <name>Power Line Visible</name>
    <description>Is a power line visible within 150 feet
    of the subject's residence in any direction.</description>
    <codeset-domain>
      <codeset-code>
        <codeset-value>0</codeset-value>
        <description>If "Power Line Visible" is represented by
        by a "0", then the "Power Line Visible" field is
        "No Response or Unknown"
        </description>
      </codeset-code>
      <codeset-code>
        <codeset-value>1</codeset-value>
        <description>There is a visible power line within 150
        feet of the subject's residence in any direction.
        </description>
      </codeset-code>
    </codeset-domain>
  </attribute>

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<attribute>
  <name>Distance to Power Line</name>
  <description>The shortest distance between the power line
  and the subject's residence.</description>
  <codeset-domain>
    <codeset-code>
      <codeset-value>0</codeset-value>
      <description>The subject's shortest distance to a power
      line is "No Response or Unknown" if "Distance" is
      represented by "0".</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>1</codeset-value>
      <description>The subject's shortest distance to a power
      line is "Less than 25 feet" if "Distance" is
      represented by "1".</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>2</codeset-value>
      <description>The subject's shortest distance to a power
      line is "Between 25 and 50 feet" if "Distance" is
      represented by "2".</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>3</codeset-value>
      <description>The subject's shortest distance to a power
      line is "More than 50 feet" if "Distance" is
      represented by "3".</description>
    </codeset-code>
  </codeset-domain>
</attribute>
<attribute>
  <name>Power Line Type</name>
  <description>The power line configuration type that most
  closely resembles the power lines near the subject's home.
  </description>
  <codeset-domain>
    <codeset-code>
      <codeset-value>0</codeset-value>
      <description>The subject's power line type
      is "No Response or Unknown" if "Power Line Type"
      is represented by "0".</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>1</codeset-value>
      <description>The subject's power line type
      is "Distribution Line - Single Phase with Neutral" if
      "Power Line Type" is represented by "1".</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>2</codeset-value>
      <description>The subject's power line type
      is "Distribution Line - Two Phase with Neutral"
      if "Power Line Type" is represented by "2".</description>
    </codeset-code>
  </codeset-domain>
</attribute>

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```

<codeset-code>
  <codeset-value>3</codeset-value>
  <description>The subject's power line type
  is "Distribution Line - Three Phase with Neutral"
  if "Power Line Type" is represented by "3".</description>
</codeset-code>
<codeset-code>
  <codeset-value>4</codeset-value>
  <description>The subject's power line type
  is "Distribution Line - Double Circuit Three Phase with Neutral"
  if "Power Line Type" is represented by "4".</description>
</codeset-code>
<codeset-code>
  <codeset-value>5</codeset-value>
  <description>The subject's power line type
  is "Transmission Line - Vertical Three Phase" if "Power Line Type"
  is represented by "5".</description>
</codeset-code>
<codeset-code>
  <codeset-value>6</codeset-value>
  <description>The subject's power line type
  is "Transmission Line - Delta Three Phase" if "Power Line Type"
  is represented by "6".</description>
</codeset-code>
<codeset-code>
  <codeset-value>7</codeset-value>
  <description>The subject's power line type
  is "Transmission Line - Flat Three Phase" if "Power Line Type"
  is represented by "7".</description>
</codeset-code>
<codeset-code>
  <codeset-value>8</codeset-value>
  <description>The subject's power line type
  is "Transmission Line - Double Circuit Vertical Three Phase"
  if "Power Line Type" is represented by "8".</description>
</codeset-code>
</codeset-domain>
</attribute>
</entity>
<entity>
  <name>Activity Diary</name>
  <description>The activity diary, filled in by the subject during
  the measurement period, describes the subject's activities. This file
  merges with the "Measurement Set" entity to produce one of the ASCII
  delimited output files.</description>
  <attribute>
    <name>Start Date Time</name>
    <description>The date and time at the subject began
    the measurement period.</description>
    <simple-domain>Free Text</simple-domain>
  </attribute>
  <attribute>
    <name>Invalid Data Start Time</name>
    <description>The time in minutes from the start of the
    measurement period to the beginning of a period of time

```

which is marked as invalid data. The invalid time period's data is not included in the analysis. In most cases, this field is blank, meaning that no data has been excluded.</description>  
<simple-domain>Free Text</simple-domain>  
</attribute>  
<attribute>  
<name>Invalid Data Stop Time</name>  
<description>The time in minutes from the start of the measurement period to the end of a period of time which is marked as invalid data. The invalid time period's data is not included in the analysis. In most cases, this field is blank, meaning that no data has been excluded.</description>  
<simple-domain>Free Text</simple-domain>  
</attribute>  
<attribute>  
<name>Travel Type</name>  
<description>The type or types of travel used while the subject wore the meter.</description>  
<codeset-domain>  
<codeset-code>  
<codeset-value>Car</codeset-value>  
<description>Travel by car</description>  
</codeset-code>  
<codeset-code>  
<codeset-value>Bus</codeset-value>  
<description>Travel by bus</description>  
</codeset-code>  
<codeset-code>  
<codeset-value>Train</codeset-value>  
<description>Travel by train</description>  
</codeset-code>  
<codeset-code>  
<codeset-value>Subway</codeset-value>  
<description>Travel by subway</description>  
</codeset-code>  
<codeset-code>  
<codeset-value>OTHER</codeset-value>  
<description>Travel by other</description>  
</codeset-code>  
</codeset-domain>  
</attribute>  
</entity>  
<entity>  
<name>Activity Diary Entry</name>  
<description>The activity diary, filled in by the subject, tells the subject's activities during the measurement period. Each entry consists of a time and the type or types of activities undergone at that time. An example might be at 8:05, the subject may have started work and ended travel.</description>  
<attribute>  
<name>Event Time</name>  
<description>The time that an activity diary event occurred</description>  
<simple-domain>Free Text</simple-domain>

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</attribute>
<attribute>
  <name>Event Type</name>
  <description>The type or types of events that occurred when
the activity diary event was logged.</description>
  <codeset-domain>
    <codeset-code>
      <codeset-value>Left Home</codeset-value>
      <description>The subject left home</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>Came Home</codeset-value>
      <description>The subject came home</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>Went to bed</codeset-value>
      <description>The subject went to bed</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>Got out of bed</codeset-value>
      <description>The subject got out of bed</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>Started Work</codeset-value>
      <description>The subject started work</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>Left Work</codeset-value>
      <description>The subject left work</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>Started School / Daycare</codeset-value>
      <description>The subject started school / daycare
</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>Left School / Daycare</codeset-value>
      <description>The subject left school / daycare
</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>Started Travel</codeset-value>
      <description>The subject started travel</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>Ended Travel</codeset-value>
      <description>The subject ended travel</description>
    </codeset-code>
  </codeset-domain>
</attribute>
</entity>
<entity>
  <name>Subject</name>
  <description>A person participating in the US Department of
Energy's Magnetic Field Personal Exposure Survey.</description>

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<attribute>
  <name>Subject ID</name>
  <description>A unique ID assigned to each subject participating
  in the study.</description>
  <simple-domain>Positive Integer</simple-domain>
</attribute>
<attribute>
  <name>Gender</name>
  <description>The gender of the subject</description>
  <codeset-domain>
    <codeset-code>
      <codeset-value>F</codeset-value>
      <description>Female</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>M</codeset-value>
      <description>Male</description>
    </codeset-code>
  </codeset-domain>
</attribute>
<attribute>
  <name>Age</name>
  <description>The age of the subject, calculated by subtracting
  the birth date from Dec 31, 1997.</description>
  <simple-domain>Positive Real</simple-domain>
</attribute>
<attribute>
  <name>Age Group</name>
  <description>The age group to which the subject belongs.
  </description>
  <codeset-domain>
    <codeset-code>
      <codeset-value>Pre School Age</codeset-value>
      <description>Less than 5 years of age</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>School Age</codeset-value>
      <description>From 5 to 18 years of age</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>Working Age</codeset-value>
      <description>From 18 to 65 years of age</description>
    </codeset-code>
    <codeset-code>
      <codeset-value>Retirement Age</codeset-value>
      <description>Greater than 65 years of age</description>
    </codeset-code>
  </codeset-domain>
</attribute>
<attribute>
  <name>City</name>
  <description>The city of residence of the subject</description>
  <simple-domain>Free Text</simple-domain>
</attribute>
<attribute>

```

```

    <name>State</name>
    <description>The state of residence of the subject</description>
    <simple-domain>Two letters representing a state
    abbreviation</simple-domain>
  </attribute>
  <attribute>
    <name>Zip Code</name>
    <description>The zip code of residence of the subject</description>
    <simple-domain>Integer</simple-domain>
  </attribute>
  <attribute>
    <name>Region</name>
    <description>The region in which the subject resides</description>
    <codeset-domain>
      <codeset-code>
        <codeset-value>NorthEast</codeset-value>
        <description>The Northeast region of the United States
        as defined by the US Department of the Census</description>
      </codeset-code>
      <codeset-code>
        <codeset-value>West</codeset-value>
        <description>The West region of the United States
        as defined by the US Department of the Census</description>
      </codeset-code>
      <codeset-code>
        <codeset-value>South</codeset-value>
        <description>The South region of the United States
        as defined by the US Department of the Census</description>
      </codeset-code>
      <codeset-code>
        <codeset-value>Midwest</codeset-value>
        <description>The Midwest region of the United States
        as defined by the US Department of the Census</description>
      </codeset-code>
    </codeset-domain>
  </attribute>
</entity>
<entity>
  <name>Measurement Set</name>
  <description>The set of measurement data acquired by the personal
  produced.</description>
</entity>
<entity>
  <name>Activities</name>
  <description>A set of processed measurement data providing a
  summary of selected magnetic field statistics
  for a specific activity code. An example of an activity code
  might be measurement periods at home and not in bed. Therefore
  the "Activities" entity would provide magnetic field summaries
  of the time spent at home and not in bed.</description>
  <attribute>
    <name>Day of Week</name>
    <description>A code identifying the day of week during which
    the majority of the 24 hour measurement period fell.</description>
    <codeset-domain>

```

```

<codeset-code>
  <codeset-value>1</codeset-value>
  <description>Monday</description>
</codeset-code>
<codeset-code>
  <codeset-value>2</codeset-value>
  <description>Tuesday</description>
</codeset-code>
<codeset-code>
  <codeset-value>3</codeset-value>
  <description>Wednesday</description>
</codeset-code>
<codeset-code>
  <codeset-value>4</codeset-value>
  <description>Thursday</description>
</codeset-code>
<codeset-code>
  <codeset-value>5</codeset-value>
  <description>Friday</description>
</codeset-code>
<codeset-code>
  <codeset-value>6</codeset-value>
  <description>Saturday</description>
</codeset-code>
<codeset-code>
  <codeset-value>7</codeset-value>
  <description>Sunday</description>
</codeset-code>
</codeset-domain>
</attribute>
<attribute>
  <name>Activity Type</name>
  <description>A code identifying a special section or sections
of the measurement data from which summary data has
been calculated into a separate data set.</description>
<codeset-domain>
  <codeset-code>
    <codeset-value>ACTIVITY: THE ENTIRE MESAUREMENT
PERIOD</codeset-value>
    <description>The entire measurement period</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>ACTIVITY: BED</codeset-value>
    <description>The entire measurement period and
at home and in bed</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>ACTIVITY: HOME</codeset-value>
    <description>The entire measurement period and
at home not in bed</description>
  </codeset-code>
  <codeset-code>
    <codeset-value>ACTIVITY: WORK</codeset-value>
    <description>The entire measurement period and
work</description>

```

```

</codeset-code>
<codeset-code>
  <codeset-value>ACTIVITY: SCHOOL</codeset-value>
  <description>The entire measurement period and
  at school</description>
</codeset-code>
<codeset-code>
  <codeset-value>ACTIVITY: TRAVEL</codeset-value>
  <description>The entire measurement period and
  at travel</description>
</codeset-code>
<codeset-code>
  <codeset-value>ACTIVITY: OTHER</codeset-value>
  <description>The entire measurement period and
  other</description>
</codeset-code>
</codeset-domain>
</attribute>
<attribute>
  <name>Total Duration</name>
  <description>Time in minutes of the measurement
  period</description>
  <simple-domain>Positive Integer (min)</simple-domain>
</attribute>
<attribute>
  <name>Total Duration Analyzed</name>
  <description>Time in minutes of the analyzed measurement
  period, Only those periods analyzed for use in the
  statistical analysis. Only 10 minute periods from the PAL
  instrument with the entire 10 minute period having been
  attributed to a particular activity were analyzed.
  In addition, some periods were not analyzed if the data
  was determined to be invalid.</description>
  <simple-domain>Positive Integer (min)</simple-domain>
</attribute>
<attribute>
  <name>Average</name>
  <description>Mean value of the resultant magnetic field
  of values in the data set.</description>
  <simple-domain>Positive Real (mG)</simple-domain>
</attribute>
<attribute>
  <name>Standard Deviation</name>
  <description>Standard deviation of the resultant magnetic field
  of values in the data set.</description>
  <simple-domain>Positive Real (mG)</simple-domain>
</attribute>
<attribute>
  <name>Geometric Mean</name>
  <description>Geometric mean of the resultant magnetic field
  of values in the data set.</description>
  <simple-domain>Positive Real (mG)</simple-domain>
</attribute>
<attribute>
  <name>Geometric Standard Deviation</name>

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    <description>Geometric standard deviation of the resultant
    magnetic field of values in the data set.</description>
    <simple-domain>Positive Real</simple-domain>
  </attribute>
  <attribute>
    <name>Minimum</name>
    <description>Minimum resultant magnetic field of values
    in the data set.</description>
    <simple-domain>Positive Real (mG)</simple-domain>
  </attribute>
  <attribute>
    <name>L1</name>
    <description>Shows the values below which lay 1% of
    all the resultant magnetic field values in the data
    set.</description>
    <simple-domain>Positive Real (mG)</simple-domain>
  </attribute>
  <attribute>
    <name>L5</name>
    <description>Shows the values below which lay 5% of
    all the resultant magnetic field values in the data
    set.</description>
    <simple-domain>Positive Real (mG)</simple-domain>
  </attribute>
  <attribute>
    <name>L10</name>
    <description>Shows the values below which lay 10% of
    all the resultant magnetic field values in the data
    set.</description>
    <simple-domain>Positive Real (mG)</simple-domain>
  </attribute>
  <attribute>
    <name>L25</name>
    <description>Shows the values below which lay 25% of
    all the resultant magnetic field values in the data
    set.</description>
    <simple-domain>Positive Real (mG)</simple-domain>
  </attribute>
  <attribute>
    <name>L50</name>
    <description>Shows the values below which lay 50% of
    all the resultant magnetic field values in the data
    set.</description>
    <simple-domain>Positive Real (mG)</simple-domain>
  </attribute>
  <attribute>
    <name>L75</name>
    <description>Shows the values below which lay 75% of
    all the resultant magnetic field values in the data
    set.</description>
    <simple-domain>Positive Real (mG)</simple-domain>
  </attribute>
  <attribute>
    <name>L90</name>
    <description>Shows the values below which lay 90% of

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    all the resultant magnetic field values in the data
    set.</description>
    <simple-domain>Positive Real (mG)</simple-domain>
  </attribute>
</attribute>
  <name>L95</name>
  <description>Shows the values below which lay 95% of
  all the resultant magnetic field values in the data
  set.</description>
  <simple-domain>Positive Real (mG)</simple-domain>
</attribute>
</attribute>
  <name>L99</name>
  <description>Shows the values below which lay 99% of
  all the resultant magnetic field values in the data
  set.</description>
  <simple-domain>Positive Real (mG)</simple-domain>
</attribute>
</attribute>
  <name>Maximum</name>
  <description>Maximum resultant magnetic field of values
  in the data set.</description>
  <simple-domain>Positive Real (mG)</simple-domain>
</attribute>
</attribute>
  <name>Time > 0.5 mG</name>
  <description>Shows the time in minutes of which
  values of the resultant magnetic field in the data
  set are above 0.5 mG.</description>
  <simple-domain>Positive Integer (min)</simple-domain>
</attribute>
</attribute>
  <name>Time > 1.0 mG</name>
  <description>Shows the time in minutes of which
  values of the resultant magnetic field in the data
  set are above 1.0 mG.</description>
  <simple-domain>Positive Integer (min)</simple-domain>
</attribute>
</attribute>
  <name>Time > 2.0 mG</name>
  <description>Shows the time in minutes of which
  values of the resultant magnetic field in the data
  set are above 2.0 mG.</description>
  <simple-domain>Positive Integer (min)</simple-domain>
</attribute>
</attribute>
  <name>Time > 4.0 mG</name>
  <description>Shows the time in minutes of which
  values of the resultant magnetic field in the data
  set are above 4.0 mG.</description>
  <simple-domain>Positive Integer (min)</simple-domain>
</attribute>
</attribute>
  <name>Time > 8.0 mG</name>
  <description>Shows the time in minutes of which

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values of the resultant magnetic field in the data set are above 8.0 mG.</description>  
 <simple-domain>Positive Integer (min)</simple-domain>  
 </attribute>  
 <attribute>  
 <name>Time > 16.0 mG</name>  
 <description>Shows the time in minutes of which values of the resultant magnetic field in the data set are above 16.0 mG.</description>  
 <simple-domain>Positive Integer (min)</simple-domain>  
 </attribute>  
 <attribute>  
 <name>Time > 32.0 mG</name>  
 <description>Shows the time in minutes of which values of the resultant magnetic field in the data set are above 32.0 mG.</description>  
 <simple-domain>Positive Integer (min)</simple-domain>  
 </attribute>  
 <attribute>  
 <name>Time > 64.0 mG</name>  
 <description>Shows the time in minutes of which values of the resultant magnetic field in the data set are above 64.0 mG.</description>  
 <simple-domain>Positive Integer (min)</simple-domain>  
 </attribute>  
 <attribute>  
 <name>Number of Sudden Field Changed 2.5mG >= B <= 5.0 mG</name>  
 <description>The number of momentary field changes that exceed a threshold during the activity period. If the absolute value of the differences in successive field readings ( $\Delta B$ ) is greater than or equal to 2.5mG and the ratio between  $\Delta B$  and the Average of the previous and the current resultant magnetic field values is greater than fifty percent and the resultant magnetic field value is less than or equal to 5.0mG, then this transient count is incremented by one.  
 </description>  
 <simple-domain>Positive Integer</simple-domain>  
 </attribute>  
 <attribute>  
 <name>Number of Sudden Field Changed > 5.0mG <= 10mG</name>  
 <description>The number of momentary field changes that exceed a threshold during the activity period. If the absolute value of the differences in successive field readings ( $\Delta B$ ) is greater than or equal to 2.5mG and the ratio between  $\Delta B$  and the Average of the previous and the current resultant magnetic field values is greater than fifty percent and the resultant magnetic field value is greater than 5.0mG and less than or equal to 10.0mG, then this transient count is incremented by one.</description>  
 <simple-domain>Positive Integer</simple-domain>  
 </attribute>  
 <attribute>  
 <name>Number of Sudden Field Changed > 10.0 mG</name>  
 <description>The number of momentary field changes that exceed a threshold during the activity period. If the

absolute value of the differences in successive field readings (delta B) is greater than or equal to 2.5mG and the ratio between delta B and the Average of the previous and the current resultant magnetic field values is greater than fifty percent and the resultant magnetic field value is greater than 10.0mG, then this transient count is incremented by one.

</description>

<simple-domain>Positive Integer</simple-domain>

</attribute>

<attribute>

<name>Constancy</name>

<description>The sum of the number of consecutive coherence counts (constancy). The absolute value of the difference of the current and previous measured magnetic field for X, Y, and Z is computed. If the difference for all three values is less than or equal to 10% of the resultant magnetic field value, and if that value is greater than the constancy threshold(2.0mG), then a constancy count is recorded. The sum of these counts is converted to minutes by dividing by 120. Each count represents one half of a second.</description>

<simple-domain>Positive Real (min)</simple-domain>

</attribute>

<attribute>

<name>Intermittency Index</name>

<description>Average delta change per sample expressed as a percentage of the specified period's average magnetic field.</description>

<simple-domain>Positive Real (%/sample)</simple-domain>

</attribute>

</entity>

<relationship>

<name>Subject to Weight Information</name>

<description>Relates a "Subject" to a "Weight Information". Each "Subject" has one "Weight Information".</description>

<relationship-from>Subject</relationship-from>

<relationship-to>Weight Information</relationship-to>

<Cardinality>1 to 1</cardinality>

</relationship>

<relationship>

<name>Subject to Work Information</name>

<description>Relates a "Subject" to a "Work Information". Each "Subject" has one "Work Information".</description>

<relationship-from>Subject</relationship-from>

<relationship-to>Work Information</relationship-to>

<Cardinality>1 to 1</cardinality>

</relationship>

<relationship>

<name>Subject to Residence Information</name>

<description>Relates a "Subject" to a "Residence Information". Each "Subject" has one "Residence Information".</description>

<relationship-from>Subject</relationship-from>

<relationship-to>Residence Information</relationship-to>

<Cardinality>1 to 1</cardinality>

</relationship>

<relationship>

```

<name>Subject to Power Line Information</name>
<description>Relates a "Subject" to a "Power Line Information".
Each "Subject" has one "Power Line Information".</description>
<relationship-from>Subject</relationship-from>
<relationship-to>Power Line Information</relationship-to>
<Cardinality>1 to 1</cardinality>
</relationship>
<relationship>
  <name>Subject to Measurement Set</name>
  <description>Relates a "Subject" to a "Measurements Set".
Each "Subject" has one "Measurements Set".</description>
  <relationship-from>Subject</relationship-from>
  <relationship-to>Measurement Set</relationship-to>
  <Cardinality>1 to 1</cardinality>
</relationship>
<relationship>
  <name>Measurement Set to Activities</name>
  <description>Relates a "Measurement Set" to a "Activity Code".
Each "Measurement Set" has one to one to eight "Activity Code".
</description>
  <relationship-from>Measurement Set</relationship-from>
  <relationship-to>Activity Code</relationship-to>
  <Cardinality>1 to (1 to 8)</cardinality>
</relationship>
<relationship>
  <name>Subject to Activity Diary</name>
  <description>Relates a "Subject" to an "Activity Diary".
Each "Subject" has one "Activity Diary".</description>
  <relationship-from>Subject</relationship-from>
  <relationship-to>Activity Diary</relationship-to>
  <Cardinality>1 to 1</cardinality>
</relationship>
<relationship>
  <name>Activity Diary to Diary Entry</name>
  <description>Relates an "Activity Diary" to a "Diary Entry".
Each "Activity Diary" has many "Diary Entries".</description>
  <relationship-from>Activity Dairy</relationship-from>
  <relationship-to>Diary Entry</relationship-to>
  <Cardinality>1 to many</cardinality>
</relationship>
</data-model>
<data-products>
  <distributor>
    <contact>
      <name>Luciano Zaffanella</name>
    </contact>
  </distributor>
  <delimited-ASCII-data-product>
    <name>SUBJECT MEASUREMENT EXPOSURE DATA FILE</name>
    <description>File containing data of magnetic field values
and exposure bins of each subject based upon certain activity
code criteria. The file has one line of header information,
each subsequent line in the file consists of a subject measurement
data record. The records are presented first by "Subject ID" and
then by "Activity Code".</description>

```

<level-of-interpretation>Derived Data.</level-of-interpretation>  
 <availability>Diskette</availability>  
 <record-delimiter>Carriage Return</record-delimiter>  
 <field-delimiter>Comma</field-delimiter>  
 <missing-value>Blank</missing-value>  
 <filesize>Filesize of a Subject Measurement Exposure Data File  
 is approximately 951KB.</filesize>  
 <number-of-records>Number of records is equal to the number of  
 subjects that have participated in the study multiplied by  
 the number of activity codes. This computes to 7084 records.  
 </number-of-records>  
 <number-of-fields>33</number-of-fields>  
 <maximum-record-length>N/A</maximum-record-length>  
 <delimited-ASCII-field>  
   <name>Subject ID</name>  
   <field-number>1</field-number>  
   <entity-membership>Subject</entity-membership>  
 </delimited-ASCII-field>  
 <delimited-ASCII-field>  
   <name>Day of Week</name>  
   <field-number>2</field-number>  
   <entity-membership>Activities</entity-membership>  
 </delimited-ASCII-field>  
 <delimited-ASCII-field>  
   <name>Activity Type</name>  
   <field-number>3</field-number>  
   <entity-membership>Activities</entity-membership>  
 </delimited-ASCII-field>  
 <delimited-ASCII-field>  
   <name>Total Duration</name>  
   <field-number>4</field-number>  
   <entity-membership>Activities</entity-membership>  
 </delimited-ASCII-field>  
 <delimited-ASCII-field>  
   <name>Total Duration Analyzed</name>  
   <field-number>5</field-number>  
   <entity-membership>Activities</entity-membership>  
 </delimited-ASCII-field>  
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   <name>Average</name>  
   <field-number>6</field-number>  
   <entity-membership>Activities</entity-membership>  
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   <name>Standard Deviation</name>  
   <field-number>7</field-number>  
   <entity-membership>Activities</entity-membership>  
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   <name>Geometric Mean</name>  
   <field-number>8</field-number>  
   <entity-membership>Activities</entity-membership>  
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   <name>Geometric Standard Deviation</name>

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<field-number>10</field-number>
<entity-membership>Activities</entity-membership>
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<name>L1</name>
<field-number>11</field-number>
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<name>L10</name>
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<name>L25</name>
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<name>L50</name>
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<entity-membership>Activities</entity-membership>
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<name>L99</name>
<field-number>19</field-number>
<entity-membership>Activities</entity-membership>
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<name>Maximum</name>

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<field-number>20</field-number>
<entity-membership>Activities</entity-membership>
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<name>Time > 0.5 mG</name>
<field-number>21</field-number>
<entity-membership>Activities</entity-membership>
</delimited-ASCII-field>
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<name>Time > 1.0 mG</name>
<field-number>22</field-number>
<entity-membership>Activities</entity-membership>
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<delimited-ASCII-field>
<name>Time > 2.0mG</name>
<field-number>23</field-number>
<entity-membership>Activities</entity-membership>
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<name>Time > 4.0mG</name>
<field-number>24</field-number>
<entity-membership>Activities</entity-membership>
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<delimited-ASCII-field>
<name>Time > 8.0mG</name>
<field-number>25</field-number>
<entity-membership>Activities</entity-membership>
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<delimited-ASCII-field>
<name>Time > 16.0mG</name>
<field-number>26</field-number>
<entity-membership>Activities</entity-membership>
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<name>Time > 32.0mG</name>
<field-number>27</field-number>
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<name>Time > 64.0mG</name>
<field-number>28</field-number>
<entity-membership>Activities</entity-membership>
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<name>Number of Sudden Field Changes 2.5 >= B <= 5.0 mG</name>
<field-number>29</field-number>
<entity-membership>Activities</entity-membership>
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<name>Number of Sudden Field Changes > 5.0 mG <= 10.0 mG</name>
<field-number>30</field-number>
<entity-membership>Activities</entity-membership>
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<name>Number of Sudden Field Changes > 10.0 mG</name>

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<field-number>31</field-number>  
 <entity-membership>Activities</entity-membership>  
 </delimited-ASCII-field>  
 <delimited-ASCII-field>  
 <name>Constancy</name>  
 <field-number>32</field-number>  
 <entity-membership>Activities</entity-membership>  
 </delimited-ASCII-field>  
 <delimited-ASCII-field>  
 <name>Intermittency Index</name>  
 <field-number>33</field-number>  
 <entity-membership>Activities</entity-membership>  
 </delimited-ASCII-field>  
 </delimited-ASCII-data-product>  
 <delimited-ASCII-data-product>  
 <name>SUBJECT QUESTIONNAIRE FILE</name>  
 <description>File containing questionnaire data filled in  
 by each subject. The questionnaire contains information  
 pertaining to work, residence, and power line information  
 and is used to determine if there is a relationship to  
 magnetic field exposure. The file has one line of header  
 information, each subsequent line in the file consists of a  
 subject questionnaire data record. The records are presented  
 by [Subject ID].</description>  
 <level-of-interpretation>Derived Data.</level-of-interpretation>  
 <availability>Diskette</availability>  
 <record-delimiter>Carriage Return</record-delimiter>  
 <field-delimiter>Comma</field-delimiter>  
 <missing-value>Blank</missing-value>  
 <filesize>Filesize of a Subject Questionnaire File  
 is approximately 50KB.</filesize>  
 <number-of-records>Number of records is dependent upon the number of  
 subjects that have been measured in the study. In this case, the file  
 contains 1012 records.</number-of-records>  
 <number-of-fields>12</number-of-fields>  
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 <name>Occupation</name>  
 <field-number>2</field-number>  
 <entity-membership>Work Information</entity-membership>  
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 <name>Occupation Code</name>  
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 <entity-membership>Work Information</entity-membership>  
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 <delimited-ASCII-field>  
 <name>Outside Home</name>  
 <field-number>4</field-number>  
 <entity-membership>Work Information</entity-membership>

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  <name>Other Location</name>
  <field-number>5</field-number>
  <entity-membership>Work Information</entity-membership>
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  <name>Residence</name>
  <field-number>6</field-number>
  <entity-membership>Residence Information</entity-membership>
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  <name>Bedroom Floor</name>
  <field-number>7</field-number>
  <entity-membership>Residence Information</entity-membership>
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  <name>Home Size</name>
  <field-number>8</field-number>
  <entity-membership>Residence Information</entity-membership>
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  <name>Pipe Type</name>
  <field-number>9</field-number>
  <entity-membership>Residence Information</entity-membership>
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  <name>Power Line Visible</name>
  <field-number>10</field-number>
  <entity-membership>Power Line Information</entity-membership>
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  <name>Distance to Power Line</name>
  <field-number>11</field-number>
  <entity-membership>Power Line Information</entity-membership>
</delimited-ASCII-field>
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  <name>Power Line Type</name>
  <field-number>12</field-number>
  <entity-membership>Power Line Information</entity-membership>
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  <name>SUBJECT DIARY DETAIL FILE</name>
  <description>File containing detailed activity diary data filled in
  by each subject. The activity diary file contains information
  filled in by each subject specifying the types and times
  of predefined activities such as home, work, bed, travel, and
  school.</description>
  <level-of-interpretation>Derived Data.</level-of-interpretation>
  <availability>Diskette</availability>
  <record-delimiter>Carriage Return</record-delimiter>
  <field-delimiter>Comma</field-delimiter>
  <missing-value>Blank</missing-value>
  <filesize>Filesize of a Subject Diary Detail File

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is approximately 498KB.</filesize>  
 <number-of-records>Number of records is dependent the number of subjects that have been measured and how many diary entries each subject had. This particular file contains 10564 records.</number-of-records>  
 <number-of-fields>5</number-of-fields>  
 <maximum-record-length>N/A</maximum-record-length>  
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 <field-number>1</field-number>  
 <entity-membership>Subject</entity-membership>  
 </delimited-ASCII-field>  
 <delimited-ASCII-field>  
 <name>Start Time Date</name>  
 <field-number>2</field-number>  
 <entity-membership>Activity Diary</entity-membership>  
 </delimited-ASCII-field>  
 <delimited-ASCII-field>  
 <name>Event Time</name>  
 <field-number>3</field-number>  
 <entity-membership>Activity Diary Entry</entity-membership>  
 </delimited-ASCII-field>  
 <delimited-ASCII-field>  
 <name>Event Type</name>  
 <field-number>4</field-number>  
 <entity-membership>Activity Diary Entry</entity-membership>  
 </delimited-ASCII-field>  
 <delimited-ASCII-field>  
 <name>Event Type</name>  
 <field-number>5</field-number>  
 <entity-membership>Activity Diary Entry</entity-membership>  
 </delimited-ASCII-field>  
 </delimited-ASCII-data-product>  
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 <name>SUBJECT INFORMATION FILE</name>  
 <description>File containing general information about each subject. Among the information is age, gender, and geographic location which are used in determining links between magnetic fields and these values</description>  
 <level-of-interpretation>Derived Data.</level-of-interpretation>  
 <availability>Diskette</availability>  
 <record-delimiter>Carriage Return</record-delimiter>  
 <field-delimiter>Comma</field-delimiter>  
 <missing-value>Blank</missing-value>  
 <filesize>Filesize of a Subject Information File is approximately 56KB.</filesize>  
 <number-of-records>Number of records is dependent the number of subjects that have been measured. This particular file contains 1012 records.</number-of-records>  
 <number-of-fields>9</number-of-fields>  
 <maximum-record-length>N/A</maximum-record-length>  
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 <name>Subject ID</name>  
 <field-number>1</field-number>  
 <entity-membership>Subject</entity-membership>

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  <name>Gender</name>
  <field-number>2</field-number>
  <entity-membership>Subject</entity-membership>
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  <field-number>3</field-number>
  <entity-membership>Subject</entity-membership>
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  <name>Age Group</name>
  <field-number>4</field-number>
  <entity-membership>Subject</entity-membership>
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  <name>Household Size</name>
  <field-number>5</field-number>
  <entity-membership>Subject</entity-membership>
</delimited-ASCII-field>
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  <name>City</name>
  <field-number>6</field-number>
  <entity-membership>Subject</entity-membership>
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  <name>State</name>
  <field-number>7</field-number>
  <entity-membership>Subject</entity-membership>
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  <entity-membership>Subject</entity-membership>
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  <name>Region</name>
  <field-number>9</field-number>
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<delimited-ASCII-data-product>
  <name>SUBJECT WEIGHT FILE</name>
  <description>File containing weight information used to
generate representative sample estimators and variances of
the general population.</description>
  <level-of-interpretation>Derived Data.</level-of-interpretation>
  <availability>Diskette</availability>
  <record-delimiter>Carriage Return</record-delimiter>
  <field-delimiter>Comma</field-delimiter>
  <missing-value>Blank</missing-value>
  <filesize>Filesize of a Subject Weight File
is approximately 355KB.</filesize>
  <number-of-records>Number of records is dependent the number of

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subjects that have been measured. This particular file contains 1012 records.

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</number-of-records>
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  <field-number>1</field-number>
  <entity-membership>Subject</entity-membership>
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<delimited-ASCII-field>
  <name>Base Weight</name>
  <field-number>2</field-number>
  <entity-membership>Weight Information</entity-membership>
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  <name>Replicate Weight</name>
  <field-number>3</field-number>
  <entity-membership>Weight Information</entity-membership>
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  <name>Replicate Weight</name>
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  <entity-membership>Weight Information</entity-membership>
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  <name>Replicate Weight</name>
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  <entity-membership>Weight Information</entity-membership>
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  <name>Replicate Weight</name>
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  <entity-membership>Weight Information</entity-membership>
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  <name>Replicate Weight</name>
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  <entity-membership>Weight Information</entity-membership>
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<name>Replicate Weight</name>
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<entity-membership>Weight Information</entity-membership>
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<name>Replicate Weight</name>
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<entity-membership>Weight Information</entity-membership>
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<name>Replicate Weight</name>
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<name>SUBJECT DIARY FILE</name>
<description>File containing general activity diary data filled in
by each subject. The activity diary file contains information
filled in by each subject specifying types of travel used during the
measurement period as well as the periods of data that are marked
as invalid.</description>
<level-of-interpretation>Derived Data.</level-of-interpretation>
<availability>Diskette</availability>
<record-delimiter>Carriage Return</record-delimiter>

```

```

<field-delimiter>Comma</field-delimiter>
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<filesize>Filesize of a Subject Diary File
is approximately 15KB.</filesize>
<number-of-records>Number of records is dependent the number of
subjects that have been measured. This particular file contains
1012 records.</number-of-records>
<number-of-fields>6</number-of-fields>
<maximum-record-length>N/A</maximum-record-length>
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  <field-number>1</field-number>
  <entity-membership>Subject</entity-membership>
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  <name>Invalid Data Start Time</name>
  <field-number>2</field-number>
  <entity-membership>Activity Diary</entity-membership>
</delimited-ASCII-field>
<delimited-ASCII-field>
  <name>Invalid Data Stop Time</name>
  <field-number>3</field-number>
  <entity-membership>Activity Diary</entity-membership>
</delimited-ASCII-field>
<delimited-ASCII-field>
  <name>Invalid Data Start Time</name>
  <field-number>4</field-number>
  <entity-membership>Activity Diary</entity-membership>
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  <name>Invalid Data Stop Time</name>
  <field-number>5</field-number>
  <entity-membership>Activity Diary</entity-membership>
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  <name>Type of Travel</name>
  <field-number>6</field-number>
  <entity-membership>Activity Diary</entity-membership>
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</metadata>

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