

# REPORT ON DEMONSTRATION (DEMO) OF RADIO FREQUENCY IDENTIFICATION (RFID) TRACKING SYSTEM

*Conducted for*

**The DOE Packaging Certification Program of U.S. Department of Energy  
Environmental Management, Office of Packaging and Transportation**



The mission of the DOE Packaging Certification Program (PCP) is to ensure the safety of packagings for radioactive and fissile materials and support vital DOE missions across the DOE Complex, as well as EM's risk reduction, clean up and site closure activities.



**EM** Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

**DOE Packaging Certification Program**





# Memorandum

DATE: OCT 02 2008

REPLY TO  
ATTN OF: EM-63 (Dr. James Shuler, 301-903-5513)

SUBJECT: Demonstration (DEMO) of Radio Frequency Identification (RFID) Tracking

TO: Distribution

The DOE Packaging Certification Program (PCP) of Environmental Management's Office of Packaging and Transportation (EM-63) has developed a packaging RFID tracking system for the management of nuclear material packages during storage and transportation. The system, developed by the PCP team at Argonne National Laboratory, involves hardware modification (e.g., form factor, seal sensor, and batteries), application software development, secured database and web server development, and irradiation experiments. Argonne tested key features of the RFID tracking system of nuclear materials packagings in a recent week-long, 1,700-mi demonstration. Both the hardware and software platforms were verified to be stable and meet the performance requirements. The DOE PCP and national laboratories are working on several RFID system implementation projects at DOE sites, along with continuing device and systems development and widening applications. Potential benefits of the RFID tracking system are enhanced safety, security, and materials accountability; reduced need for manned surveillance; real-time access to status and event history data, including continuous environmental condition monitoring; and overall cost-effectiveness.

Attached please find the report titled "Demonstration (DEMO) of Radio Frequency Identification (RFID) Tracking System." A companion documentary movie of the DEMO on a DVD is also enclosed. Additional information on the RFID technology, as applied to radioactive materials packaging and transportation, can be found on [www.rampac.energy.gov](http://www.rampac.energy.gov).

If you have any questions, please call Dr. Yung Liu at (630) 252-5127.

Dr. James M. Shuler  
Manager, DOE Packaging Certification Program  
Office of Packaging and Transportation  
Office of Safety Management and Operations  
Office of Environmental Management

Attachment



# Report on Demonstration (DEMO) of Radio Frequency Identification (RFID) Tracking System

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Environmental Management, Office of Packaging and Transportation

September 30, 2008

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## Notation

AES	Advanced Encryption Standard
ANL	Argonne National Laboratory
API	Application Programming Interface
ARG-US	RFID application software developed by Argonne
CHR	Center for Hydrogen Research (at SRNL)
CoC	Certificate of Compliance
DEMO	Demonstration
DIS	Decision and Information Sciences Division
DOE	Department of Energy
DOE PCP	DOE Packaging Certification Program
EM	Environmental Management
GIS	Geographic Information System
GPS	Global Positioning System
GPRS	General Packet Radio Service
GUI	Graphical User Interface
ISO	International Organization for Standardization
MC&A	Materials Control and Accountability
NNSA	National Nuclear Security Administration
NRC	Nuclear Regulatory Commission
NTRC	National Transportation Research Center (at ORNL)
NTS	Nevada Test Site
ORNL	Oak Ridge National Laboratory
RFID	Radio Frequency Identification
RFID System	Packaging RFID Tracking System
SQL	Structured Query Language
SRNL	Savannah River National Laboratory
TRANSCOM	Department of Energy (DOE) unclassified Tracking and Communications System
VTS	Vehicle Tracking System (a commercial product)
XML	Extensible Markup Language
Y-12	Y-12 National Security Complex

## **Acknowledgments**

The authors wish to acknowledge Dr. James Shuler, Manager of the DOE Packaging Certification Program (DOE PCP) (EM-63), for his support and guidance of the Radiofrequency Identification (RFID) project since its inception. The authors would also like to acknowledge Paul Mann of the National Nuclear Security Administration (NNSA), Jeff Arbital of Y-12; Steve Bellamy of Savannah River National Laboratory (SRNL); Matt Feldman of Oak Ridge National Laboratory (ORNL); and numerous colleagues at Argonne National Laboratory, SRNL, ORNL, and the Department of Energy TRANSCOM Center for their contribution to the field demonstration.

# **Report on Demonstration (DEMO) of Radio Frequency Identification (RFID) Tracking System**

## **Executive Summary**

The U.S. Department of Energy (DOE) (Environmental Management [EM], Office of Packaging and Transportation [EM-63]) Packaging Certification Program (DOE PCP) has developed a Radiofrequency Identification (RFID) tracking system for the management of nuclear materials packages during storage and transportation. The system, developed by the Packaging Certification Program team at Argonne National Laboratory, involves hardware modification (e.g., form factor, seal sensor, and batteries), application software development, secured database and web server development, and irradiation experiments.

In April 2008, Argonne tested key features of the RFID tracking system in a weeklong, 1,700-mile demonstration involving 14 empty Type-B fissile material drums of three designs (Models 9975, 9977, and ES-3100) that have been certified for shipment by DOE and the Nuclear Regulatory Commission. The demonstration successfully integrated global positioning system (GPS) for vehicle tracking, satellite/cellular (general packet radio service, or GPRS) technologies for wireless communication, and active RFID tags with multiple sensors (seal, shock, temperature, and humidity) on drums. In addition, the demonstration integrated geographic information system (GIS) technology with automatic alarm notifications of incidents and generated buffer-zone reports for emergency response and management of staged incidents. The demonstration was sponsored by EM and the National Nuclear Security Administration (NNSA), with the participation of Argonne, Savannah River, and Oak Ridge National Laboratories. Over 50 authorized stakeholders across the country observed the demonstration via secured Internet access.

The DOE PCP and national laboratories are working on several RFID system implementation projects at DOE sites, as well as continuing device and systems development and widening applications. Potential benefits of the RFID system are enhanced safety, security, and materials accountability; reduced need for manned surveillance; real-time access to status and event history data, including continuous environmental condition monitoring; and overall cost-effectiveness.

## 1 Introduction

This report summarizes a field demonstration (DEMO) of the Packaging Radio Frequency Identification (RFID) Tracking System Technology performed during April 21–25, 2008. For this report, Packaging RFID Tracking System Technology is also referred to as simply “RFID System.”

To support the DOE-EM missions, Argonne National Laboratory (Argonne), sponsored by the DOE Packaging Certification Program (DOE PCP) of EM-63, has been developing a prototype RFID system for the last two years (Tsai et al. 2008; Chen et al. 2008). The aim of the effort is to offer a means to modernize the current practices and bring about tangible benefits in the following areas: accountability, safety and security, operational efficiency, cost-effectiveness, and worker and public health. RFID can deliver these benefits because it is highly automated and capable of continuously monitoring and tracking individual packagings, a feature that is not possible with the current systems.

From a commercial RFID platform (Savi Technology ST-676 for ISO container-door applications), Argonne developed a surveillance tag, called Mk-1. For this report, the Mk-1 RFID surveillance tag is also referred to as a RFID tag or simply a tag. The form factor of the tag is suitable for multiple drum types, such as the Models 9975, 9977, and ES-3100. The tag has environmental sensors for temperature, shock, humidity, seal-bolt tension, and battery status. It also has non-volatile memories to store packaging manifest data and sensor event log. Concurrent with the tag development, Argonne created the application software, database, and webpage to manage the flow of the collected RFID data.

The objective of the April 2008 DEMO was to appraise the performance of the prototype RFID system, both the hardware and software. Key goals were to identify areas of improvement and to define a path forward.

The DEMO was co-sponsored by EM and the National Nuclear Security Administration (NNSA). Under the auspices of EM and NNSA, three national laboratories — Argonne, Savannah River National Laboratory (SRNL), and Oak Ridge National Laboratory (ORNL) — participated in the DEMO.

The DEMO encompassed both transportation and storage components. Fourteen Model 9975, 9977, and ES-3100 drums, each fitted with an Mk-1 RFID tag, were transported from Argonne to SRNL, then to ORNL, and back to Argonne. The drums were all empty and clean. A semi-trailer, provided by an EM-approved vendor (Visionary Solutions), was used to transport the drums. The semi was followed by a chase vehicle, which served as a mobile control center. As part of the DEMO, Geographic Information Systems (GIS) Spatial Query Reports were issued after four staged incidents. These reports can greatly enhance local emergency responses by providing responders with well-organized data and visualization capabilities. When the convoy stopped at SRNL and ORNL, the storage DEMO was performed for colleagues and potential users to illustrate the salient features of the RFID system. Figure 1 shows the logical diagram of an RFID-based tracking and management system for nuclear materials.

The logical diagram and the Conduct of Operations (ConOp) paper, attached in Appendix I, were the guiding documents for the DEMO. In the ConOp, objectives, scope, methodology, and performance metrics were defined.

Two weeks after the conclusion of the DEMO, a preliminary data report was issued. It covered the platform, tracking systems, itinerary, detailed data collected, and the GIS Spatial Query Reports. To avoid repetition of details, this preliminary data report in its entirety is included as Appendix II.

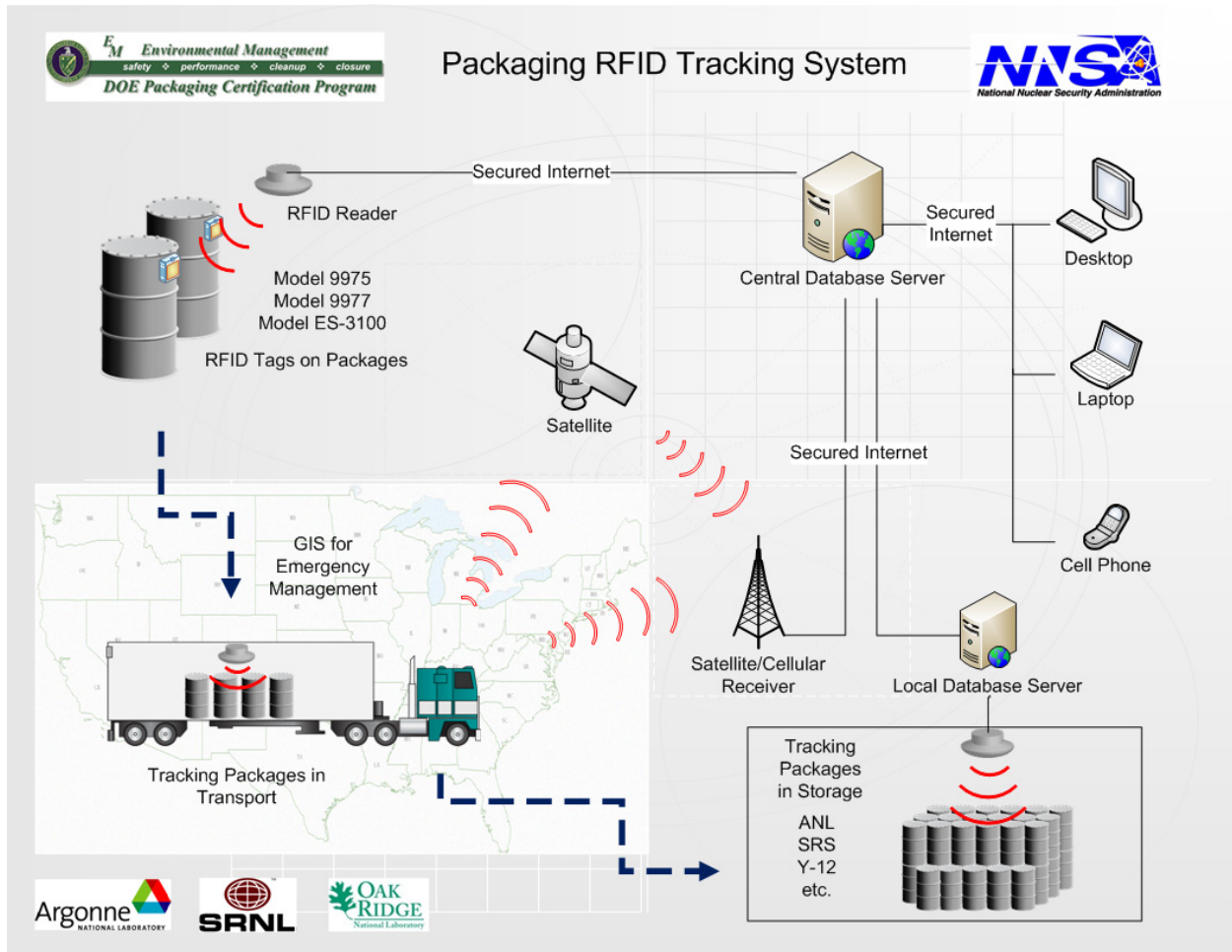


FIGURE 1 Key Elements of the Packaging RFID Tracking System.

### 1.1 Objectives

The objective of the DEMO was to demonstrate multiple remote accesses, via secured Internet, of the following information:

- Locations of drums in storage and shipment;
- Manifest of encrypted contents;
- Status of drums (e.g., seal, temperature, humidity, shock); and
- Automatic, prompt alarms in off-normal conditions.

### 1.2 RFID DEMO Hardware

The hardware used in the DEMO consisted of drums, tags, readers, control computer, vehicle positioning and tracking devices, wireless/satellite communication gear, and a rental semi-trailer.

Five Model 9975 drums, five Model 9977 drums, and four Model ES-3100 drums, provided respectively by EM, NNSA, and Y-12, were employed in the DEMO. The designs of these packagings have been certified by DOE and the Nuclear Regulatory Commission (NRC). Figure 2 shows the readied drums

before being loaded into the semi-trailer. The drums, all clean and empty, were banded on three pallets according to the drum type.

An Mk-1 RFID tag was installed on each of the Model 9975, 9977, and ES-3100 drums, as shown in Figure 3. The tags are equipped with sensors for seal integrity, temperature, humidity, shock, and battery status. The alarm thresholds for sensors are adjustable through software to suit the situation and mode of operation. The tags have also built-in non-volatile memories for storing content manifest and sensor event data. Although empty and clean, each drum was given a fictitious but encrypted content manifest consistent with the Certificates of Compliance (CoC) for the respective drums.



**FIGURE 2** Banded ES-3100, 9977, and 9975 Drums on Three Pallets Ready for the DEMO.



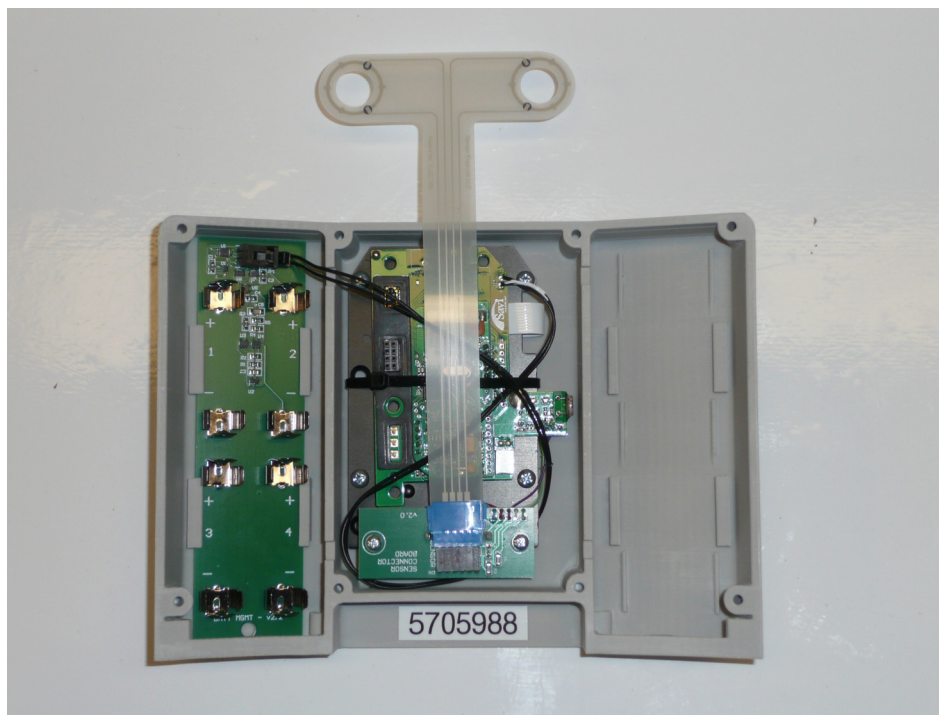
**FIGURE 3** Mk-1 RFID Surveillance Tags on Drums for the DEMO.

Figure 4 shows the interior view of the tag with the metal back plate removed. The battery management board is on the left; the radio boards, antenna, environmental sensors, and the seal sensor with its ribbon cable are in the middle; and the empty compartment for future expansion (e.g., radiation sensor) is on the right. The seal sensor in this figure is for a Model 9975 drum and is for mounting under two adjacent drum-lid bolts (see Figure 3). The approximate dimensions of the tag are 5 in. (H)  $\times$  7 in. (W)  $\times$  1 in. (T) in. (depth), and the approximate weight is 1.9 lb (four batteries installed).

The seal sensor for the MK-1 RFID tags is a thin membrane that fits underneath the drum-lid bolt(s). It is hidden behind the metal back plate of the tag and invisible from the front (see Figure 3). The working media (the four dark patches near the top in Figure 4) is a pliant, force-sensitive material, whose electric resistivity changes sharply according to applied pressure (in  $k\Omega$  range when compressed and in  $M\Omega$  range when not). With the alarm threshold level of the sensor set at  $\approx 0.5 M\Omega$ , the sensor is capable of detecting even minute changes in the bolt compression and issuing an alarm. An alarm from the seal sensor, or any other sensors of the tag, is promptly detected by the reader through radio frequency.

The Mk-1 tags are designed to have a near universal form factor — by changing the metal back plate and the seal sensor (both relatively inexpensive), the tags fit multiple drum types, as illustrated in Figure 3.

The reader communicates with the RFID tags by 433-MHz radio frequency and relays the data through an Ethernet cable to a control computer. The communication between the reader and tags is bi-directional (i.e., the “reader” not only reads but also writes). For the transportation DEMO, the reader was positioned above the tags in the trailer (Figure 5), and an Ethernet cable ran from the reader to the control computer in the cab of the tractor. For the storage demonstrations, the drums were removed from the trailer and



**FIGURE 4** Interior View of an Mk-1 RFID Tag. The battery management board, on the left, is not populated in this photo. The empty compartment on the right is for future expansion of adding additional sensors. The T-shaped ribbon in the center is the seal sensor.



**FIGURE 5** DEMO Semi and Mounting of the Reader over the Drums.

transported to an indoor location, and a second reader was used for querying the tags. From the control computer, the information was relayed by wireless means (cellular or satellite) to the data servers and the RFID web page. When off-normal conditions were encountered, alarm notifications were sent to pre-approved recipients by e-mail and/or instant messages.

### 1.3 RFID DEMO Software

Along with the Mk-1 RFID tags, Argonne developed a software system to collect, process, store, and present the information provided by the tags and the tracking systems. The software package, named ARG-US (ARGonne + US), contains three components: application software, database/server, and webpage.

The application software manages the RFID reader(s) through an application programming interface (API) provided by the tag component vendor, Savi Technology. The application software converts data collected by the RFID reader into readable information and encrypts it by using the 256-bits advanced encryption standard (AES). The application software has a graphical user interface (GUI) that mimics the configurations of the nuclear material storage sites or transport vehicles. Figure 6 shows the GUI for a hypothetical storage application. The GUI gives the users and system administrators an intuitive way to configure the devices (e.g., inputting manifest data, setting sensor thresholds, defining geofencing) and retrieve information (e.g., manifest, sensor readings, event history). The application software is capable of sending the information to a remote, dedicated, and secured web and database server.

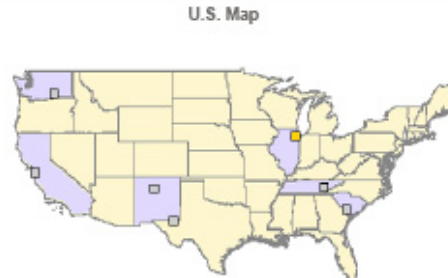
The database is capable of handling a large number of RFID tags and readers. A Structured Query Language (SQL) server is employed for this purpose. An Extensible Markup Language (XML) script is used to update the database once the information is sent from the application software.

The design of the webpage mimics the design of the application software. The webpage retrieves data from the data base and presents it in different panels. Proper credentials are required to access the webpage. The webpage is capable of sending e-mails and text messages on the basis of preset criteria, such as when alarm thresholds are exceeded. Figure 7 illustrates a captured screen showing the transport components.

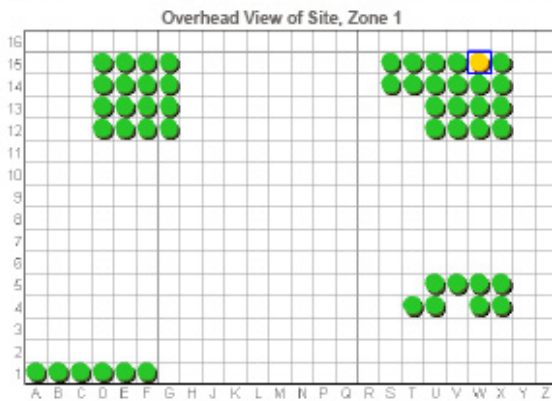




Packagings RFID Tracking System



Location: ANL Bldg. 212



Drums at Selected Location in Zone 1

Drum ID: 018  
 Tag: 5703193  
 Model: E93100  
 Originator: Y-12/ORNL  
 Tag Last Queried: 5/15/08 23:09 GMT  
 Sensor Status: Warning  
 Seal: OK  
 Shook: OK  
 Temperature: 21°C (-25 to 45°C)  
 Battery: Low  
 Humidity: 38% (0 to 70%)  
 Radiation: N/A  
 Contents: Empty drum with "fictitious" U metal and alloy cylinders, U-235 enrichment = 100 wt%; max. mass U-235 = 18 kg (with spacers). CGI = 0. (See Table 1: Loading limits for metal and alloy in solid geometric shapes in CoC UGA/9315/B(U)/F-95, Rev. 7 for additional details.)



Summary Status of ANL Bldg. 212

Total drums: 98 Database updated: 5/2/08 18:55 GMT  
 Alarm / No Response: 0 Page refreshed: 5/5/08 22:59 GMT  
 Warning: 1 Refresh rate: 1 minute

Refresh Now

Event History of Drum 018

Event Time (GMT)	Event
4/30/08 19:49	Arrives at ANL - Bldg. 212 - (Zone 1, W, 15, Bot)
4/30/08 19:49	Leaves location ANL - Bldg. 212 - (Zone 1, D, 1, Bot)
4/30/08 19:48	Alarm was cleared manually.
4/30/08 19:47	Shook Limit Exceeded (0 - 10).
4/30/08 19:47	Checking the Cause...
4/30/08 19:47	Arrives at ANL - Bldg. 212 - (Zone 1, D, 1, Bot)
4/18/08 14:38	Contents of the package have been entered.

Search For Drums at All Locations

Drum ID: 001  
 Contents: No Radioactive Material  
 Originator: ANL  
 Model: 9975

Reports

- 
- 
- 
- 



[Help](#) | [Contact Information](#)



FIGURE 6 ARG-US Graphical Interface for a Sample Storage Application. The round symbols represent drums in arrays, view from the top. The drums can be stacked. The drum status is indicated by color: green – normal; yellow – warning; and red – alarm (not shown).



Packagings RFID Tracking System



### Trucks in Convoy 1

### U.S. Map

Location:

### Overhead View of Convoy 1, Truck 001

### Drums in Truck 001

**Drum ID:** 008  
**Tag:** 5703180  
**Model:** 9977  
**Originator:** NNSA/SRNL  
**Tag Last Queried:** 4/17/08 16:18 GMT  
**Sensor Status:** Normal  
**Seal:** OK  
**Shock:** OK  
**Temperature:** 19°C (-25 to 45°C)  
**Battery:** OK  
**Humidity:** 45% (0 to 70%)  
**Radiation:** N/A  
**Contents:** SNL RTG heat sources, Pu-238 ≤ 100 g; impurities ≤ 20 g; polyurethane ≤ 100 g; max. decay heat ≤ 19 W; max. content weight (all materials inside PCV) ≤ 45.5 kg CSI = 0. (See Table 1 - Content in CoC USA/9977/B(M)F-96

### Summary Status of Convoy 1 Truck 001

**Total drums:** 14    **Database updated:** 4/17/08 21:51 GMT  
**Alarm / No Response:** 0    **Page refreshed:** 4/17/08 22:07 GMT  
**Warning:** 0    **Refresh rate:** 1 minute

### Event History of Drum 008

Event Time (GMT)	Event
4/17/08 15:29	Drum is on Convoy 1 Truck 001, Tracking Started
4/16/08 23:42	Tracking Ended
4/16/08 23:40	Arrives at ANL - Bldg. 212 - (Zone 1, E, 9, Bot)
4/16/08 23:25	Drum is on Convoy 1 Truck 001, Tracking Started
4/16/08 23:19	Leaves location Y-12 - Bldg. 001 - (Zone 1, E, 9, Bot)
4/16/08 23:17	Arrives at Y-12 - Bldg. 001 - (Zone 1, E, 9, Bot)
4/16/08 23:13	Drum leaves Convoy 1 Truck 001.
4/16/08 23:11	Drum is on Convoy 1 Truck 001, Tracking Started

### Search For Drums at All Locations

**Drum ID:**   
**Contents:**   
**Originator:**   
**Model:**

### Reports



FIGURE 7 Sample ARG-US Web Page for a Transport Application. See text for content explanation of each of the eight display panes.

The application software is designed to be installed on a control (i.e., local) computer. The control computer is directly connected to the RFID reader and can be operated locally or remotely. In the transport DEMO, for instance, the control computer was located in the cab of the tractor. In actual applications, there can be multiple control computers managing different sites or transport vehicles. The control from remote sites and information transmitted to a central database server is through secured Internet. The information stored in the central database server is shown on the webpage. Authorized users can view the webpage on the secured Internet.

Descriptions of the eight display panes of the RFID webpage (Figure 7) follow.

- *Pane 1 — U.S. Map*  
The “Location” drop-down menu allows the user to select a storage facility or transportation vehicle. Information in panes 2 through 6 will be based on this “Location” section.
- *Pane 2 — Trucks in Convoy 1*  
This pane shows that Truck 001 (within Convoy 1) is selected.
- *Pane 3 — Overhead View of Convoy 1, Truck 001*  
The configuration of drums at the location (Truck 001) selected in Pane 2 is displayed. The user can select any drum residing on Truck 001. The selected drum is enclosed in a blue box, and information specific to that drum is displayed in Pane 4 and 6.
- *Pane 4 — Drums in Truck 001*  
Provides detailed information specific to the drum selected in Pane 3: drum ID, tag ID, drum model, originator, time of last query, sensors status (seal, shock, temperature, humidity), battery condition, and drum manifest.
- *Pane 5 — Summary Status of Convoy 1, Truck 001*  
Provides summary status for all drums in Convoy 1 Truck 001. Information can be updated manually or automatically. This function is most useful in facilities with large numbers of drums stored.
- *Pane 6 — Event History of Drum 008*  
Provides event history on the drum selected in Pane 3.
- *Pane 7 — Search for Drums at All Locations*  
Allows user to search for drums that meet specified search criteria. This function is most useful in facilities with large numbers of drums stored.
- *Pane 8 — Reports*  
Allows user to view prepared reports on selected drums or locations.

## 2 Transport DEMO

Vehicle tracking, by itself, is a matured technology and already widely used by public and private sectors for fleet management. The DEMO is unique because of the integration of vehicle tracking with the RFID technology and the ability to transmit pertinent packaging data reliably from the vehicle to the database server and web.

Four tracking systems were employed in the transport DEMO: ANL-DIS, ANL-VTS, TRANSCOM, and GeoLogic. The first two are custom-developed at Argonne and provide both vehicle tracking and RFID interfaces. The last two are standard fleet-managing features already installed in the rental truck but do not have RFID interfaces. A summary comparison of the four tracking systems is presented in Table 1.

**TABLE 1 Tracking Systems Used in the DEMO**

Tracking Systems	Owned by	GPS	Cellular/Satellite Communications	RFID Interface	Web Display	Database Server
ANL-DIS	Argonne	Yes	Yes/No <sup>(1)</sup>	Yes	Yes(https:)	Secured
ANL-VTS	Commercial	Yes	Yes/Yes	Yes	Yes(http:)	Less Secured
TRANSCOM	DOE	Yes	Yes/Yes	No	Yes <sup>2</sup>	Secured
GeoLogic	Commercial	Yes	Yes/Yes	No	Yes <sup>2</sup>	Less Secured

<sup>1</sup> GPS receive only; no satellite communication

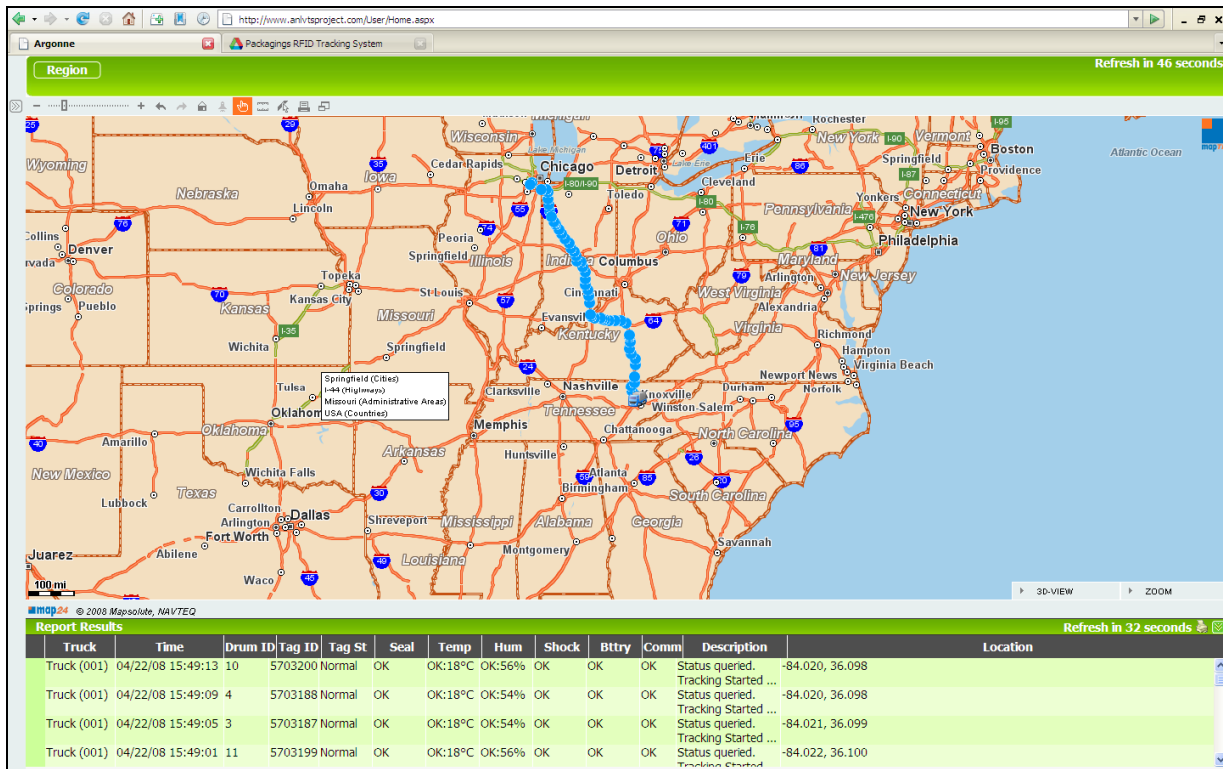
<sup>2</sup> For vehicle tracking only and not activated for the DEMO

The ANL-DIS tracking system was developed by the Decision and Information Sciences Division (DIS) at Argonne. In terms of hardware, this system used add-on modules to the control computer to track the vehicle position by GPS and upload the vehicle position and RFID surveillance data via the cellular General Packet Radio Service (GPRS) to the secure DIS server. Because of the time constraint, satellite transmission capability was not in place during the DEMO. Without it, data could not be uploaded to the server in areas where a cellular signal is weak or absent. A few such “dead” spots were encountered in the mountainous regions of Tennessee and North Carolina. Although transmission was curtailed in these dead spots, the unsent data were recorded in the control computer and not lost. While the drum surveillance by RFID is continuous, the nominal frequency for data upload (drum status and vehicle position) under normal conditions was every 10 minutes. In case of an off-normal event, the alarm would be uploaded instantly. Figure 7 shows a screen shot of the ANL-DIS (ARG-US) web display.

The ANL-VTS tracking system is a commercial product customized for Argonne for the DEMO. The hardware consists of a data logger, GPS receiver, and dual cellular and satellite (Iridium) transmitters (Figure 8). In the aforementioned dead spots, the Iridium phone successfully fulfilled the backup function for data upload. Because it is a commercial product with a commercial server, data security is not as rigorous as that with the ANL-DIS tracking system. It was included in the DEMO mainly to illustrate the advantage of having both cellular and satellite transmission capabilities. The nominal interval for data upload in the commercial product was 10 minutes, if there were no alarm events; this interval was similar to that of the ANL-DIS system. Figure 9 shows a captured screen of the ANL-VTS web display.



**FIGURE 8** Communication Components Used in the ANL-VTS Tracking System.



**FIGURE 9** Sample Web Display for the ANL-VTS Tracking System. The blue dots in the map are “breadcrumbs” showing the route traveled. The scrollable data pane at the bottom shows individual tag/drum conditions.

The TRANSCOM tracking system is an EM asset owned by the U.S. Government. It has both cellular GPRS and satellite transmission capabilities, but it does not currently have the RFID interface to handle the tag data. The tracking hardware (GPS receiver, tablet terminal, and antenna) was an integral part of the rental truck, and the system was made available for free for the DEMO per agreement with TRANSCOM. The system has the ability to display vehicle data on the web; however, this feature was not explored in the DEMO. For tracking, the vehicle position data were sent approximately every five minutes. Figure 10 shows the tablet terminal and the externally mounted antenna.



**FIGURE 10** TRANSCOM Tracking System — Tablet Terminal (left) and Externally Mounted Antenna (right). GeoLogic Solutions tracking system (not shown) has a nearly identical setup.

The GeoLogic Solutions tracking system is similar to that of the TRANSCOM system, except it is a commercial product. Trucking companies use it extensively for fleet tracking. The hardware, which was pre-installed in the rental truck, is similar to that shown in Figure 10 for the TRANSCOM system. The GeoLogic system does not possess an RFID interface capability either. Its use is fee-based, and data security is likely not as rigorous as that of the TRANSCOM system. For normal on-the-road tracking, the GeoLogic system transmits vehicle position data approximately every 15 minutes.

A number of unannounced incidents were staged during the transport DEMO to verify the system response to off-normal events. These incidents mimicked excessive shock (vehicle accident) or loss of drum seal (content tampering). In four of the staged incidents, Geographic Information Systems (GIS) spatial query reports were also sent within minutes after the events. In the GIS report, assets (e.g., local police, fire stations, and hospitals) and vulnerabilities (e.g., schools, population centers, and substations) within a buffer zone are clearly delineated for the first responders and emergency management personnel. The size of the buffer zone was selected to be 10 miles; different buffer zone sizes are possible. Sample GIS Reports are included in Appendix II.

## 2.1 Argonne-to-SRNL Transport DEMO (Days 1 and 2)

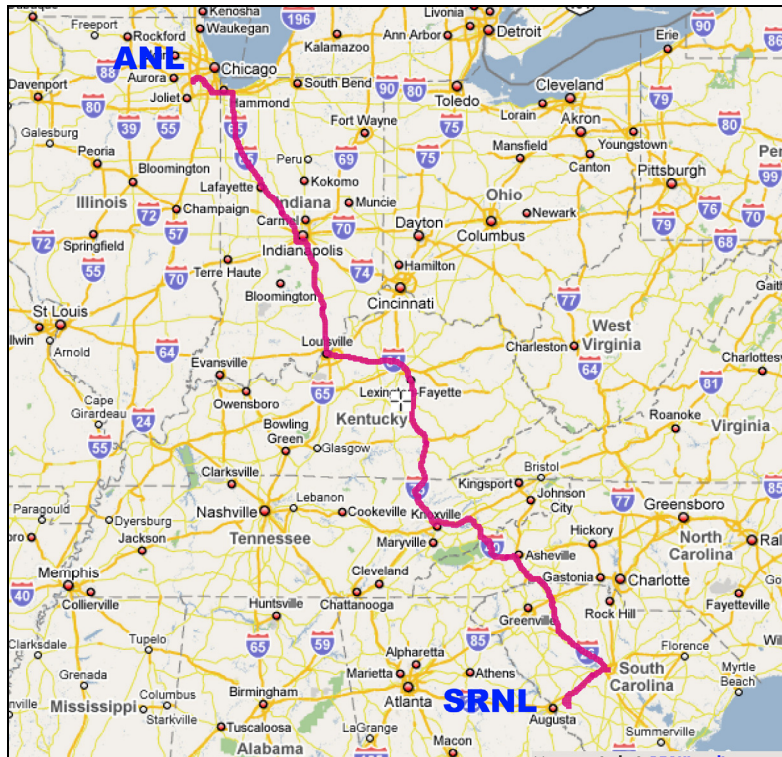
This segment of transport DEMO started in the morning of April 21 from Argonne and ended the evening of the second day in Aiken, SC. The distance traveled in this leg was about 900 miles. En route, the truck made an overnight stop in Richmond, KY. To preserve the truck's batteries, the tracking systems were turned off during the overnight stop.

Four unplanned shock-sensor alarms were encountered on April 21 — all related to the trailer running over either potholes or street curbs. Because all four alarms were triggered by the same tag (5703179 on 9975 drum 006), it was judged that the shock threshold for that tag was set too low. After the fourth alarm, the threshold was raised and the shock sensor event did not recur with that tag for the remainder of the DEMO. Both the ANL-DIS and ANL-VTS systems performed as designed during these four genuine, albeit benign, events. Automatic alarm notifications were duly sent from the server to the pre-approved recipients. After the causes were verified and the alarms were cleared, cancellation notices were sent to the same recipients to provide closure of the cleared incident alarms.

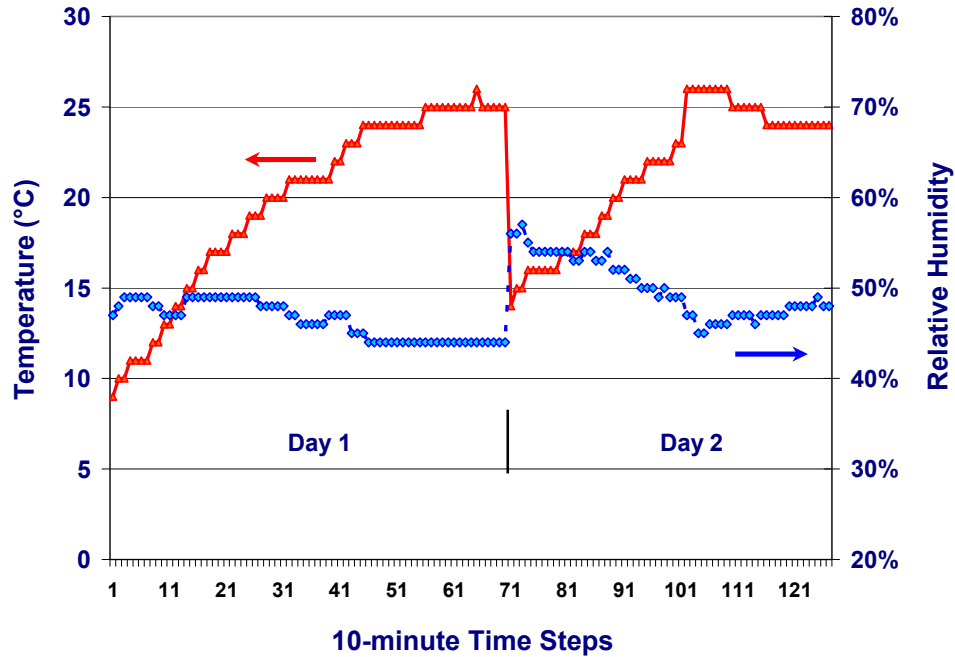
In addition to the four unplanned incidents described above, two shock and two seal-violation incidents were staged during this leg of the transport DEMO: shock incidents were induced by using a hand to tap on the tags mounted on the drums, and seal incidents were induced by momentarily loosening the drum nuts. Again, the ANL-DIS and ANL-VTS tracking systems performed as designed and issued the alarm notifications. Per the Conduct of Operation document, GIS reports were issued within minutes after two of the staged incidents (see Appendix II).

Vehicle tracking was accurate for all four systems. Figure 11 shows the route traveled as recorded by the ANL-DIS system; routes recorded by the other three systems were identical.

The environmental sensors in the tags satisfactorily monitored the ambient conditions. Figure 12 shows the recorded temperature and humidity data for the two days from one of the tags. Sensors from the other tags were equally reliable and yielded essentially identical results.



**FIGURE 11** Route Traveled from Argonne to SRNL per Recorded GPS Data by the ANL-DIS Tracking System. The other three tracking systems yielded identical results.



**FIGURE 12** Ambient Conditions during the Trip from Argonne to SRNL as Monitored by Tag 5703179. Other tags yielded essentially the same results. Tracking was intentionally terminated at end of Day 1, hence the apparent step changes at the start of Day 2.

## 2.2 SRNL-to-ORNL Transport DEMO (Day 3)

The second segment of transport DEMO started midday on April 23, 2008, at SRNL and ended the evening of the same day in Oak Ridge, TN.

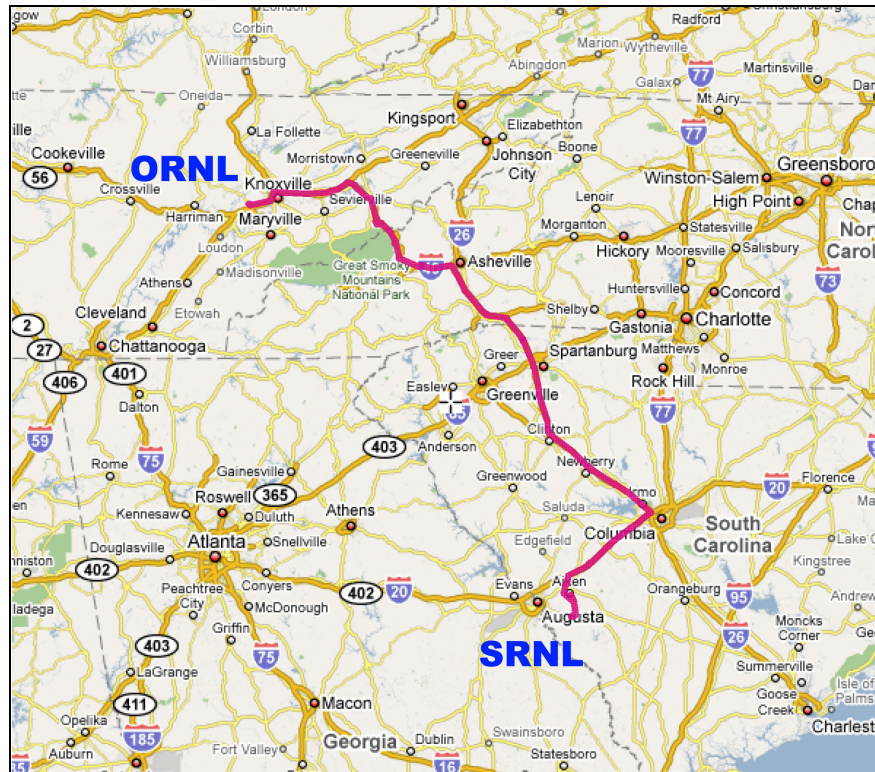
One shock alarm event was staged along the way. Both the ANL-DIS and ANL-VTS tracking systems performed well, and a GIS report was sent as planned.

The bumpy mountainous road during this leg caused three unplanned shock incidents — all with Tag 5703202 mounted on a 9975 drum. The culprit was, again, the overly sensitive setting for the shock sensor. This was rectified by raising the trigger threshold of this tag after the third alarm.

In six separate instances, the ANL-DIS tracking system failed to send data to the server because of the lack of cellular communication in a stretch between Columbia, NC, and Asheville, NC. The drawback of not having satellite communication backup thus became apparent. Although the tag data were not sent, the data were preserved in the control computer.

As before, position tracking by all systems was excellent. Figure 13 shows the route recorded by the ANL-VTS tracking system.





**FIGURE 13** Route Traveled from SRNL to ORNL per Recorded GPS Data by the ANL-VTS Tracking System. The other three tracking systems yielded identical results.

### 2.3 ORNL-to-Argonne Transport DEMO (Days 4 and 5)

The third and last segment of the transportation demonstration started midday of April 24, 2008, at ORNL and ended about noon on April 25, 2008 at Argonne. A stopover was made in Indianapolis the night of April 24.

Performance of the tracking systems was reliable and comparable to that of the first two segments. One shock incident was staged on April 24, and a GIS report was successfully sent within minutes.

At 10:14 a.m. on April 25, an unexpected shock sensor alarm occurred while the truck was on Interstate I-65. The truck was halted for an inspection and the finding (Figure 14) was:

“The metal bands for this (five 9977 drums) pallet came loose when the angle cardboards slipped off. After that, the five drums were essentially free-standing, except for the yellow tie-down strips which limited the drums’ lateral movement. Therefore, this was a real-world event and showcased the effectiveness of our sensors.”

The banding failure was an artifact unique to this DEMO. In actual drum shipments, much more secure methods to tie down the drums would be used, and so failures of this type would not be possible.



**FIGURE 14** The Bandings Holding the Five 9977 Drums. Because the bandings had worked loose during the transport, the drums moved laterally on the pallet and caused a shock sensor alarm.

At the end of the DEMO, one other unexpected alarm was registered — while the drums were being offloaded from the trailer, a tag was inadvertently bumped. As a result, the mounting bracket was slightly twisted (see Figure 15), which triggered a seal sensor alarm. Upon inspection, the seal sensor was confirmed to be intact. Retightening the seal bolt subsequently cleared the alarm.

The two shock and seal events described above highlight the responsiveness of the RFID tracking systems and their ability to detect and report a wide range of abnormal events.



**FIGURE 15** Drum with Bumped Tag. This tag was apparently bumped during unloading, which resulted in a slightly twisted bracket. A seal-sensor alarm resulted from this event. The seal sensor was undamaged.

### 3 Storage DEMO

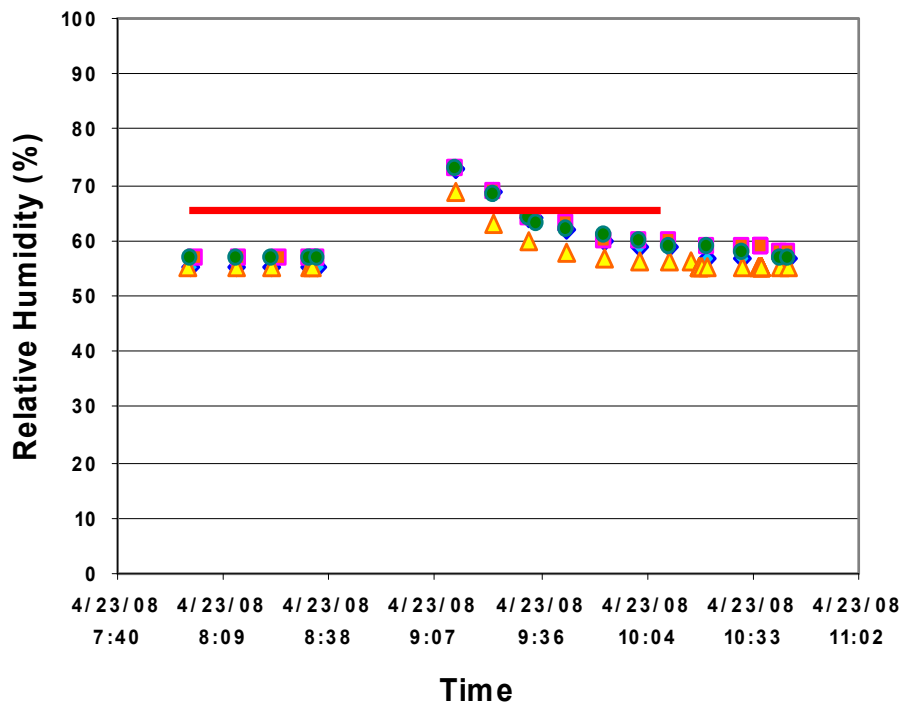
Two storage demonstrations were performed: one at SRNL and one at ORNL.

#### 3.1 Storage DEMO at SRNL

This storage demonstration was conducted in the morning of April 23, 2008, at the Center for Hydrogen Research (CHR) of SRNL. A wireless connection using a cellular modem was established to access the ANL-DIS database and server from the control computer.

Because of a constraint with the forklift at CHR, only one pallet (four ES-3100 drums) was unloaded from the trailer. This constraint did not, however, hamper the DEMO because mockup relocation and stacking of drums with the ARG-US software was performed for a hypothetical installation by using hundreds of drums. One staged incident (shock) was performed with an ES-3100 drum, and the event was successfully relayed to the ANL-DIS server and displayed on the secured Internet for the audience.

Because the morning at CHR was unseasonably cool and damp, high-humidity alarms on all four ES-3100 drums activated soon after the drums were offloaded from the trailer ( $\approx 65\%$ ; see Figure 16). These alarms persisted until the dampness dissipated midday. This somewhat unexpected event illustrated the effectiveness of environmental monitoring by the Mk-1 tags.



**FIGURE 16** Activation of Alarms on the Four ES-3100 Drums Used in the Storage DEMO at the CHR of SRNL, Aiken, SC. The alarms activated as result of the high humidity in the morning of April 23, 2008.

### **3.2 Storage DEMO at ORNL**

The second storage demonstration was carried out on April 24, 2008, at the National Transportation Research Center (NTRC) of ORNL. Again, a cellular modem was used to establish access to the Internet and the ANL-DIS database and server.

This storage DEMO involved all three drum pallets. Two staged incidents — one shock and one seal — were performed, and the system responded as designed. Mockup drum relocation and stacking was also demonstrated. The ARG-US webpage displayed all of the operation on a near real-time basis for the audience.

During a post-presentation discussion around the drums, one of the participants inadvertently leaned on one of the tags. As a result, the tag bracket on the drum slipped slightly and triggered a seal-sensor alarm. When the push force was removed, the seal returned to the normal state, and the alarm was cleared manually.

## 4 Discussion

### 4.1 Vehicle Tracking

All four systems (ANL-DIS, ANL-VTS, TRANSCOM, GeoLogic) performed satisfactorily. The TRANSCOM and GeoLogic systems, with the externally mounted antennas and well-honed industrial practices, are clearly superior to either the ANL-DIS or ANL-VTS systems, which use essentially handheld equipment. Because TRANSCOM is an EM asset owned by the government, integrating its tracking technology with the RFID system is an attractive option for the future DOE PCP RFID system development. This path forward should be evaluated. The alternative of developing advanced tracking systems and map software based on the ANL-DIS platform is feasible but would likely be less efficient, particularly from the standpoint of infrastructure. GeoLogic and ANL-VTS are both commercial products. Although highly capable, they are not as well suited for the management of nuclear materials on account of data security alone.

Route Deviation, a method for monitoring whether the vehicle stays on its predetermined route, was not tested in this DEMO. This feature, however, can be readily implemented. A higher frequency of data transmission than that used in the DEMO (every 5 or 10 minutes) would be necessary. Engine control and vehicle lock are also possible as part of advanced vehicle tracking and management.

### 4.2 Wireless Communication

All tracking systems used in the DEMO, except ANL-DIS, have satellite communication capability. In spite of this obvious shortcoming, failure of the ANL-DIS system to transmit data to the central server was rare (six times in 4.5 days) and brief (10–20 minutes for each instance). Even when data failed to transmit, the data were securely stored in the control computer and not lost. Adding a satellite communication package to the ANL-DIS system is feasible; however, this step may not be necessary if ANL-DIS (ARG-US) can be integrated with TRANSCOM.

### 4.3 Sensor Performance

Sensor performance was highly encouraging during the DEMO. Seal, shock, temperature, humidity, and battery status indication all performed reliably without a single failure or false alarm. The temperature and humidity sensors accurately monitored the ambient conditions and provided a comprehensive record for the period. The seal and shock sensor also performed well. The DEMO reaffirmed the need that the sensor thresholds are properly set according to the environment and applications — such adjustments were necessary twice during the DEMO. The versatile ARG-US software allows these adjustments to be made quickly.

During the storage demo, a question was raised regarding the effect of high bolt torque (up to  $45 \pm 5$  ft-lb for Model 9977 drum) on the long-term reliability of the seal sensor. This is a valid issue and is under study.

#### 4.4 Alarm Performance

Twenty-three staged and unplanned alarms occurred during the transport and storage DEMO. These alarm events are summarized in Table 2. Alarm notifications were successfully sent to the pre-approved recipients every time. For more details on the incidents, see the Preliminary Data Report in Appendix II.

As planned, GIS buffer-zone reports were sent after four of the staged incidents at different locations. Data compilation, report preparation, and issuance were all accomplished within minutes of the incident. This demonstration of the GIS capability with an RFID platform was a major success.

#### 4.5 Application Software

The ARG-US application software has been developed for the DEMO with two graphical user interfaces (GUIs), shown in Figures 6 and 7, that can be easily switched for storage and transportation applications (and vice versa). The GUIs have similar designs that are intuitive and user-friendly, as affirmed by the absence of calls for help (or complaints) regarding their use from 50 or so observers during the week-long DEMO. In future application environments, however, it is highly probable that separate GUIs are desirable for transportation and for storage. The transportation GUI, for example, would show a scalable U.S. map with convoys moving between sites, whereas a storage GUI would show a U.S. map with multiple sites, and each site would have its own site map of the storage facility configuration. Both GUIs would display detailed information, such as contents, histories, alarm/warning state, and environmental conditions for each nuclear materials package. These systems could be very useful to personnel at the DOE Headquarters, Site Offices, and laboratories who need and have authorized access to the database and web servers via secured Internet.

The database SQL server allows a search capability to be implemented relatively easily for the storage database, and site-specific search criteria could be developed on the basis of input from facility personnel. For a storage facility with thousands of drums, one can envision the utility of such a search capability based on singular and/or combinatorial criteria, as depicted in the left bottom pane of Figure 6. One very useful application would be the design of a statistically based sampling strategy for the facility's long-term materials surveillance programs.

#### 4.6 Web Performance

There was a concern that access to the secured web site (https) may be hampered if too many people tried to get to the web site at the same time. However, there was no noticeable degradation of web performance during the DEMO, and no complaints were received from any of the 50 or so observers. Part of the reason for ready access was the use of a dedicated, secured database and web server at Argonne for the DEMO.

#### 4.7 Server/Network Security

The security of the data center, server, and network is a major concern for cyber security and critical infrastructure protection. Backup center and servers at separate physical locations are being deployed for mission-critical applications to preclude system disruption during natural disasters and/or terrorist attacks. Argonne staff have considerable experience in this area in supporting the Critical Infrastructure Protection Center, which has been funded largely by the Department of Homeland Security since September 11, 2001.

**TABLE 2 Summary of Alarm Events during Transport and Storage DEMO (4/21/08 – 4/25/08)**

	<b>Tag ID</b>	<b>Drum No.</b>	<b>Time (EDT)</b>	<b>Alarm</b>	<b>Location</b>	<b>Causes/Comments</b>
	5703196	014 (ES-3100)	4/22/08 15:48	Shock	I-26	Staged incident.
	5703191	016 (ES-3100)	4/22/08 16:53	Shock	I-20	Staged incident. GIS report sent @ 17:00.
	5703196	014 (ES-3100)	4/23/08 10:17	Shock	CHR	Staged incident.
	5703197	013 (ES-3100)	4/23/08 14:06	Shock	I-26	Staged incident. GIS report sent @ 14:12.
	5703199	011 (9977)	4/24/08 09:58	Shock	NTRC	Staged incident.
Shock-Related Events	5703179	006 (9975)	4/21/08 09:48	Shock	I-294	Road-induced. Inadequate threshold setting.
	5703179	006 (9975)	4/21/08 11:37	Shock	I-65	Road-induced. Inadequate threshold setting.
	5703179	006 (9975)	4/21/08 15:29	Shock	I-65	Road-induced. Inadequate threshold setting.
	5703179	006 (9975)	4/21/08 17:52	Shock	I-64	Road-induced. Threshold raised afterwards. Alarm ceased.
	5703202	007 (9975)	4/23/08 17:40	Shock	I-40	Road-induced. Inadequate threshold setting.
	5703202	007 (9975)	4/23/08 18:00	Shock	I-40	Road-induced. Inadequate threshold setting.
	5703202	007 (9975)	4/23/08 18:38	Shock	I-40	Road-induced. Threshold raised afterwards. Alarm ceased
	5703199	011 (9977)	4/25/08 10:14	Shock	I-65	Pallet bandings slipped off. Drums loose.
	5703197	013 (ES-3100)	4/21/08 14:54	Seal open	I-65	Staged incident.
Seal-Related Events	5703195	013 (ES-3100)	4/22/08 08:19	Seal open	Richmond	Staged incident. GIS report sent @ 08:21.
	5703191	013 (ES-3100)	4/24/08 09:52	Seal open	NTRC	Staged incident.
	5703200	010 (9977)	4/24/08 14:06	Seal open	Oak Ridge	Staged incident. GIS report sent @ 14:10.
	5703187	003 (9975)	4/24/08 10:11	Seal open	NTRC	Tag pushed during DEMO. Seal intact.
	5703191	016 (ES-3100)	4/25/08 18:33	Seal open	Argonne	Tag twisted during unloading. Seal intact.
Ambient-Related Events	5703197	013 (ES-3100)	4/23/08 09:13	Hi Humidity	CHR	Damp and cool morning in Aiken, SC.
	5703196	014 (ES-3100)	4/23/08 09:13	Hi Humidity	CHR	Damp and cool morning in Aiken, SC.
	5703195	015 (ES-3100)	4/23/08 09:13	Hi Humidity	CHR	Damp and cool morning in Aiken, SC.
	5703191	016 (ES-3100)	4/23/08 09:13	Hi Humidity	CHR	Damp and cool morning in Aiken, SC.

## 5 Future Plans

The DEMO has successfully demonstrated the reliable performance of the packaging RFID tracking system under real-world conditions of transportation and storage in five days, over 1,700 miles, and multiple loading and unloading of drums (Models ES-3100, 9975, and 9977). Not only did the Mk-1 RFID tags perform well, but the systems ranging from the application software, the satellite and cellular communication, and the web and database servers demonstrated excellent performance. Over 50 people across the country were provided with remote access, via secured Internet, to observe and receive automatic alarm notifications during the week of the DEMO. The success of the DEMO has generated significant interest from various DOE offices, the NRC, and other agencies. The success of the DEMO has led to two near-term implementation projects of the RFID tracking system at the Nevada Test Site (NTS) (described briefly in Section 5.1), followed by device development, systems development, and other applications to, for example, hazardous materials and/or valued assets.

### 5.1 Implementation Projects

The two implementation projects at NTS will employ RFID tags for Model 9977 and Model 9975 drums in interim storage at NTS for a maximum of five years. Each drum will be fitted with an RFID tag that provides continuous environmental conditions monitoring, particularly the ambient temperature, as part of the basis for extending the periodic maintenance from one to five years. Accelerated aging study of the Viton® GLT O-rings that are used for the primary containment vessels of both Models 9977 and 9975 drums showed little long-term degradation, when the O-ring temperature was kept below 200°F (93°C) (Skidmore 2007). Because the O-ring temperature can be obtained directly as a function of the ambient temperature and the decay heat load of the contents in the drum, an ambient temperature alarm threshold can be set for each RFID tag to notify and record any O-ring seal temperature violations  $\geq 200^\circ\text{F}$  (93°C).

In June 2008, SRNL submitted an Addendum to the Safety Analysis Report for Packaging (SARP) of the Model 9977 packaging for DOE/EM certification. The Addendum added new contents and requested an extension of periodic maintenance from one to five years on the basis of continuous environmental conditions monitoring of ambient temperature by a RFID tracking system. Lawrence Livermore National Laboratory has been assigned to review the SARP Addendum, and Argonne will assist with the RFID-related issues, such as operation, acceptance testing, and quality assurance. Argonne will also provide the necessary training and certification for the general user and administrator of the RFID tracking system at NTS.

### 5.2 Device Development

As shown in Figure 4, the Mk-1 RFID tag has interior room for adding sensors, which may be a radiation dosimeter or chemical sensors for such gases as hydrogen, oxygen, or hydrogen fluoride. Solar cells may be used to supplement the Li-SOCl<sub>2</sub> batteries, along with miniaturization of the IC boards of the tags. The RFID industry is placing increasing emphasis on international standards (e.g., ISO 18000-7), interoperability, and a hardware development kit while driving down the cost of manufacturing units. One must keep abreast of the rapid development trend of the RFID industry to incorporate the latest technology in the RFID device development.



### **5.3 Systems Development**

Two types of systems development are envisioned for storage and transportation, as discussed in Section 4.5. Beneath the application software GUIs for storage and transportation are secured local and central database and web servers that monitor the systems at all times. The storage systems development would start at local DOE sites; once developed, these local storage systems can be easily rolled up or connected to a central system for DOE Headquarters.

For the transportation system development, integration of the TRANSCOM vehicle tracking technology and the packaging RFID tracking system represents a perfect union because both are DOE EM assets, and TRANSCOM is already widely used and accepted by members of the DOE packaging and transportation community.

### **5.4 Hazardous Materials and Valued Assets**

The packaging RFID tracking system developed and tested for the nuclear materials packaging in the DEMO is applicable to other hazardous materials and valued assets. The huge potential of this technology remains to be explored.

## **6 Conclusions**

The DOE PCP has developed a packaging RFID tracking system for the management of nuclear material packages during storage and transportation. The system, developed by the Packaging Certification Program team at Argonne National Laboratory, involves hardware modification (e.g., form factor, seal sensor, and batteries), application software development, secured database and web server development, and irradiation experiments. Argonne tested key features of the RFID tracking system of nuclear materials packagings in a recent week-long, 1,700-mi demonstration. Both the hardware and software platforms were verified to be stable and meet the performance requirements. The DOE PCP and national laboratories are working on several RFID system implementation projects at DOE sites, along with continuing device and systems development and widening applications. Potential benefits of the RFID tracking system are enhanced safety, security, and materials accountability; reduced need for manned surveillance; real-time access to status and event history data, including continuous environmental condition monitoring; and overall cost-effectiveness.

## 7 References

Chen, K., 2008, “Development of the RFID System for Nuclear Materials Management,” Proc. 49<sup>th</sup> Institute of Nuclear Materials Management (INMM) Meeting, Nashville, TN, July 13–17.

Skidmore, E., 2007, “Aging Performance of Viton® GLT O-rings in RAM Packages,” Proc. American Society of Mechanical Engineers (ASME) Pressure Vessels and Piping (PVP) Conference, San Antonio, TX, July 24–28.

Tsai, H.C., et al., 2008, “Applying RFID Technology in Nuclear Materials Management,” *Packaging, Transport, Storage & Security of Radioactive Material* 19(1): 41–46.



## Appendix I

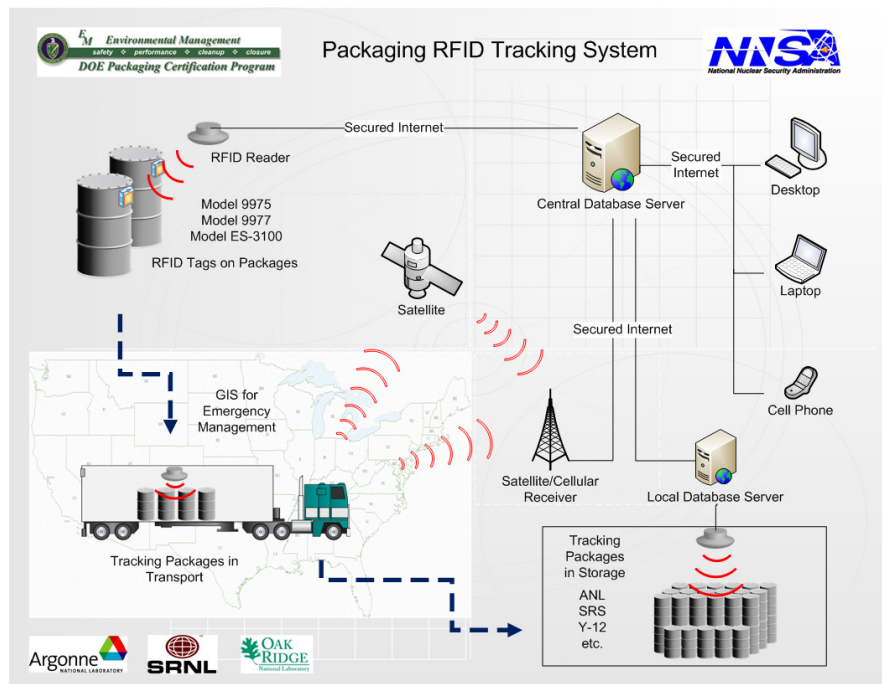
### EM-63/DOE PCP Packaging RFID Tracking System - DEMO Conduct of Operation (ConOp) April 9, 2008

#### 1. Introduction

Demonstration of the EM-63/DOE PCP packaging radiofrequency identification (RFID) tracking system, as illustrated in the schematic diagram below, consists of two components that will be completed during the week of April 21-25, 2008:

- Transport demo from ANL to SRNL, followed by a storage demo at SRNL, and
- Transport demo from SRNL to ORNL, followed by a storage demo at ORNL

The objective is to demonstrate multiple remote accesses, via secured Internet, of the following information: location of a shipment in near-real time; manifest of encrypted contents; status of drums (seal, temperature, humidity, shock, battery); and automatic, prompt alarms in staged incidents. The packagings used in the demo are Models 9975, 9977, and ES-3100, provided by EM, NNSA, and Y-12, respectively. The designs of these packagings have been certified by DOE and NRC. No radioactive materials or sensitive data will be used in the demo.



USERID/password will be provided to a specified list of users so that each user can log onto the secured Internet and view RFID/drums/truck/storage any day during the week of the demo from remote locations across the country. Unannounced incidents will be staged along the transport routes, and the ensuing

automatic alarms will be sent via e-mail and satellite/cellular phone to those pre-assigned to receive the alarm messages.

A data report of the demo will be prepared, and a post-demo meeting will be held to discuss any identified system performance issues, the lessons learned, and the path forward.

## 2. Platform

- a. Tractor/Semi-Trailer/Driver: Visionary Solutions (VS), LLC, an EM-approved carrier. (service procurement)
- b. Personnel on tractor: VS-provided driver and an Argonne demo engineer.
- c. Equipment in semi-trailer:
  - Fourteen (14) drums: five (5) 9975 drums banded on a pallet  
five (5) 9977 drums banded on a pallet  
four (4) ES-3100 drums banded on a pallet  
(All drums are clean and marked as “Empty.” The drums have never been used for radioactive materials.)
  - Fifteen (15) Mk-1 RFID tags: One (1) on each drum, plus an extra tag for road testing of the shock sensor and vibration. All tags preprogrammed with mockup encrypted contents of the drums (based on authorized contents in the CoCs for 9975, 9977, and ES-3100). All tags instructed to store event data in the tag’s non-volatile memories.
  - One (1) reader, mounted on the inside wall of the semi-trailer, to communicate with the tags via radiofrequency.
  - Cables and power supply for the reader.
- d. Equipment in the tractor (cab):
  - One laptop computer to control the reader in the trailer via an Ethernet cable
  - An Argonne-developed cellular GPRS communication/GPS system to transmit the RFID tracking data to a secured server at ANL.
  - A commercial communication/GPS/data logger unit with additional Iridium satellite (backup) capability to transmit the same RFID tracking data to a commercial server.
  - A government (TRANSCOM)-issued tracking unit with GPRS and satellite capabilities, but no RFID tracking data transmission at this time. (Tag data interface and transmission capability can be added readily in the future, for example, by following the protocols developed for the Argonne system.)
  - Mobile phones for situational awareness, communication and control.

- e. Storage demo [van; personnel (2); RFID readers (Echo-point and FT-mobile); laptops] – The pallets of drums shall be unloaded from the trailer and moved to the demo venue by riggers provided by SRNL and ORNL. The demo team shall set up an RFID reader at the receiving site prior to unloading of pallets of drums.
- f. ANL home base support: Network administrator for the secured server, web application developer and database manager for trouble shooting and on-call assistance.

### 3. Performance Metrics

- a. Web display: Two (2) URLs, one developed by Argonne and highly secured for both transportation and storage, and the other commercial for transportation only, are accessible to designated users via USERID/password.
- b. Map display: Shows planned route, current location, and travel log.
- c. Tag status: Displaying drum/tag ID, seal integrity, temperature, humidity, shock, and battery information for all tags. Data to be updated every 10 minutes.
- d. Tag alarm and notification: Prompt display of staged alarm incidents and automatic notifications to designated receivers via cell phone (SMS) and email.
- e. Manual queries and actions: Tags and tracking data shall be accessible from the cab laptop and web PCs at any time. Only the demo engineer in the cab can cancel alarms and take other control actions.
- f. Data storage: Travel log and all tag data shall be stored in the Argonne secured server and the commercial server (Kept there one month after completion of the demo).
- g. Data reports: Recorded data shall be readily available as full or tailored reports. Geographical Information System (GIS) buffer-zone reports will be generated off-line for the staged incidents. (Note: the staged incidents are induced by software sensor trips during transportation.)
- h. Cyber security: RFID data encryption by Advanced Encryption Standard (AES)-256; USERID/password protection for Argonne system (https) and commercial system (http); RFID data storage in a dedicated central server located, along with other secured servers, in a high-security area at Argonne, maintained by professional cyber security staff.

### 4. Planned On-the-Road Activities

- April 21 – Departing Argonne and driving towards SRNL. Staged incidents (e.g., seal sensor breach, over-temperature, excessive shock, and/or tag failure to respond) along the route. Overnight in Kentucky.
- April 22 – Driving towards SRNL. Additional staged incidents. Overnight in Aiken, SC.

- April 23 – Storage demo at SRNL (am). Driving towards ORNL (pm). Staged incidents (e.g., seal sensor breach, over-temperature, excessive shock, and/or tag failure to respond) along the route.  
Overnight in Oak Ridge, TN.
- April 24 – Storage demo at the National Transportation Research Center, ORNL (am).  
Driving towards ANL (pm). Overnight in Indiana.
- April 25 – Returning to Argonne. Disable all RFID tags during transport. Unload pallets of drums at Argonne. Reactivate tags and complete storage actions for the drums. Collect data for an additional 24 hours.
- April 26 – Completion of demo.

## 5. Documentary

Video documentary covering tag mounting, mockup storage, drums loading and unloading, highway transport, and software and webpage presentations is to be performed at Argonne. Documentary is to be handled by Jim Corsolini with the aim of producing a concise and informative video record of the demo operation. He will follow all safety rules and will not climb to heights above six feet, or expose himself to any unusual physical hazards while doing his work.

## 6. Post-demo Assessment

- a. Prepare a preliminary data report within two weeks after conclusion of the demo.
- b. Conduct a meeting approximately four weeks after conclusion of the demo – to discuss any identified system performance issues, the lessons learned, user feedback, future plans and the optimal deployment strategy.



## Appendix II

### EM-63/DOE PCP Packaging RFID Tracking System - DEMO Preliminary Data Report

1. Platform
2. Tracking Systems
3. DEMO Itinerary and Activities
4. DEMO Data

Appendices:

- A. Route Tracking
- B. Summary of Alarm Events during Transportation and Storage DEMO (4/21/08 – 4/25/08)
- C. Detailed Tag Data from ANL-DIS Tracking System during DEMO (4/21/08 – 4/25/08)
- D. Detailed Tag Data from ANL-VTS Tracking System during DEMO (4/21/08 – 4/25/08)
- E. GIS Reports for Staged Incidents during Transport

# EM-63/PCP Packagings RFID Tracking System - DEMO

## Preliminary Data Report

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A Demonstration (DEMO) of tracking systems using radio frequency identification (RFID) technology for transportation and storage of radioactive and fissile material packagings was conducted between April 21 and April 25, 2008. This report provides an expeditious summary of data collected during the DEMO with minimal data interpretation or analysis. A comprehensive topical report will follow.

### 1. Platform

The platform consisted of a semi-trailer, operated by Visionary Solution (VS), LLC, an EM-approved carrier, and a chase vehicle serving the command-and-control functions. Inside the trailer, three pallets held 14 empty drums, each fitted with an EM-developed Mk-1 RFID tag with sensors and nonvolatile memories. The pallet closest to the rear opening of the trailer supported four ES-3100 drums. The two forward pallets each supported five 9975 and 9975 drums. Prior to mounting, the tags' memories were loaded with mockup manifest data.



A reader in the trailer communicated with the tags via radio frequency and relayed the data to a control computer in the tractor via an Ethernet cable. From there, the data was sent to website servers for real-time observation by sponsors and peers and for archival storage.

### 2. Tracking Systems

Four tracking systems were employed in the DEMO. Two of them, ANL-DIS (developed in the Decision and Information Sciences Division at ANL) and ANL-VTS (customized commercial for the DEMO period) provided RFID interfaces necessary for tag data transmittal; the other two, TRANSCOM and Geologic in their present forms, provided only vehicle tracking.

	Owned by	GPS	Cellular/Satellite Comm	RFID Interface	Web Display	Database Server
ANL-DIS	ANL	Yes	Yes/No*	Yes	Yes (https:)	Secured
ANL-VTS	Commercial	Yes	Yes/Yes	Yes	Yes (http:)	Less Secured
TRANSCOM	DOE	Yes	Yes/Yes	No	No	Secured
Geologic	Commercial	Yes	Yes/Yes	No	No	Less Secured

\*Satellite receive only; no transmission.

### 3. DEMO Itinerary and Activities

- 4/21, 4/22 - Travel from ANL to SRNL, transport DEMO, staged incidents.
- 4/23, am - Storage DEMO at SRNL (Center for Hydrogen Research, CHR) with one pallet of four ES-3100 drums, staged incidents, mockup drum relocation and stacking.
- 4/23, pm - Travel from SRNL to ORNL, transport DEMO, staged incidents.
- 4/24, am - Storage DEMO at ORNL (National Transportation Research Center, NTRC) with all three drum pallets, staged incidents, mockup drum relocation and stacking.
- 4/24, 4/25 - Travel back to ANL, transport DEMO, staged incidents.

### 4. DEMO Data

DEMO data is presented in five Appendices of this report. Appendix A: route tracking (items in vehicle); Appendix B: alarm events; Appendix C: detailed tag data from ANL-DIS; Appendix D: detailed tag data from ANL-VTS; and Appendix E: GIS reports for staged incidents during transport.

#### A. Route Tracking (Items in Vehicle)

All four systems produced reliable GPS-based vehicle tracking on the preselected 10-min sampling/communication intervals. More frequent sampling is feasible in vehicle tracking for detection of route-deviation and vehicle control.

#### B. Alarm Events

The built-in sensors in the tag, notably the seal and the shock, were triggered in nineteen (19) staged (9) and unplanned (10) incidents. These incidents demonstrated the ability of the RFID tracking system to monitor violations and promptly send alarm notifications (email, text messages, etc.). In all cases, the sensors performed as-expected. (Seal violations were produced by loosening the drum bolts and shock violations by a hand tap.)

During the storage demo in NTRC (ORNL), one of the participants inadvertently leaned on the tag of a drum. A seal alarm was duly triggered – this was an unplanned bonus event.

The storage demo in CHR (SRNL) was performed in the early morning. The unseasonably cool and damp ambient caused high humidity alarms in all tags. This event, not anticipated, illustrated the ability of the tags to monitor environmental conditions (including temperature, and later, dose rates) during transportation and storage.

Poor road surface conditions resulted in a number of shock-sensor alarms. By adjusting the threshold settings of these tags, these events were eliminated in the latter part of the DEMO.

On 4/25/08 while on I-65, one of the steel bandings slipped off the pallet holding the 9977 drums. The drums became partially free and were held in place by the supplemental straps. This unexpected event was accurately and promptly reported by the shock sensor.

During the unloading of the pallets at the end of the DEMO, a tag was inadvertently rough-handled by the rigger team. This triggered a seal alarm. Both the tag and the seal were later found to be undamaged.

C. Detailed Tag Data from ANL-DIS System (Transport and Storage)

Tabulated detailed data for all tags from the ANL-DIS system is presented in Appendix C. Alarm events are highlighted in red and yellow. Alarm monitoring was continuous in the DEMO; when there were no alarms, the default data recording interval was 10 minutes. These data provided comprehensive records of the environmental conditions and events histories of the packagings in transportation and storage. The data resides on a secured database server at Argonne and is fully analyzable.

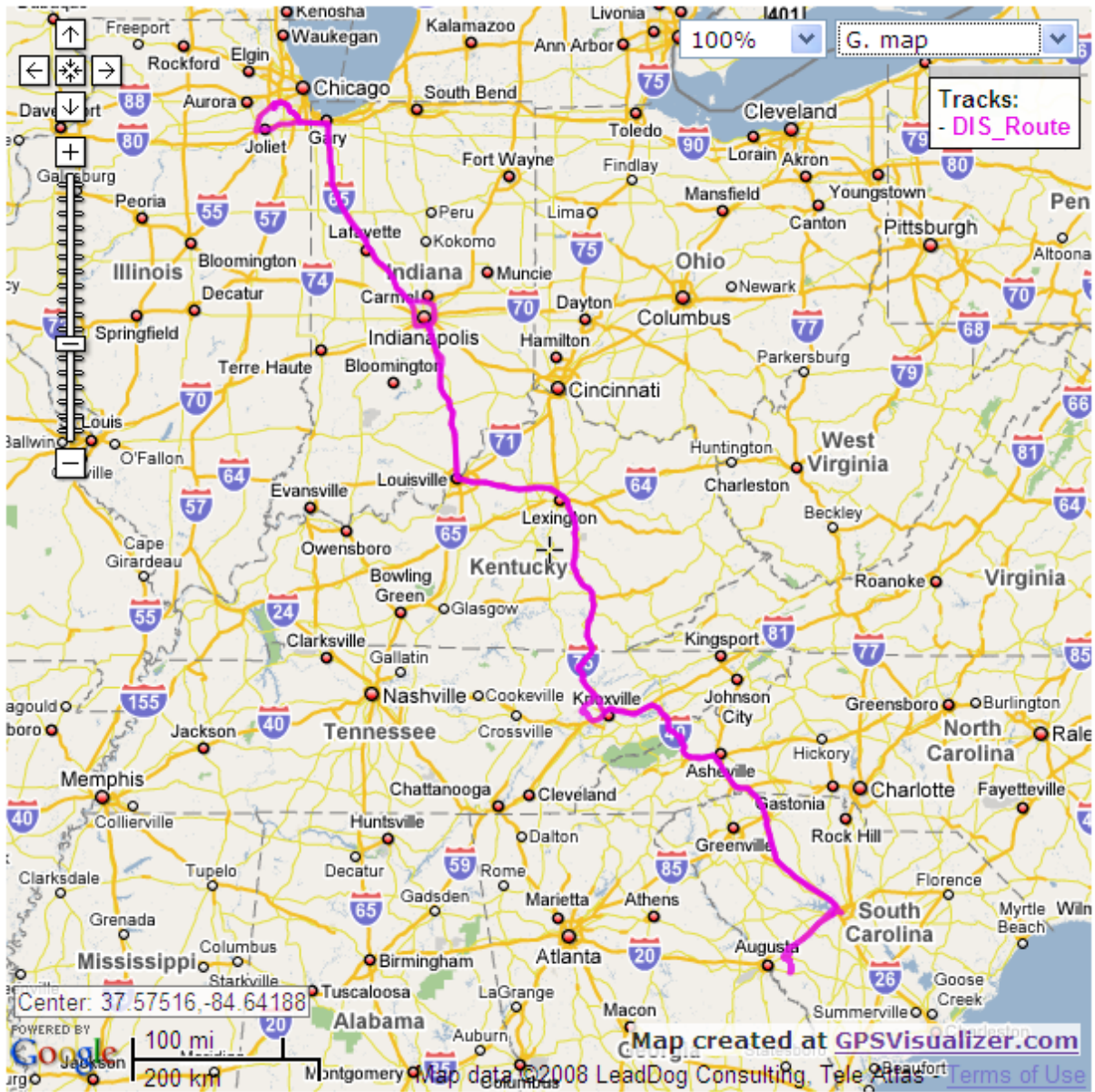
D. Detailed Tag Data from ANL-VTS System (Transport Only)

Tabulated detailed data from the ANL-VTS customized commercial system is presented in Appendix D. The data recording interval was also 10 minutes. As the antenna for this commercial system is mounted on the truck, the system was not available during the indoor storage demos at SRNL and ORNL. The performance of this commercial system during transport is comparable to that of the in-house-developed ANL-DIS system. There are, however, two notable drawbacks with the commercial system, i.e., data security and usage fees.

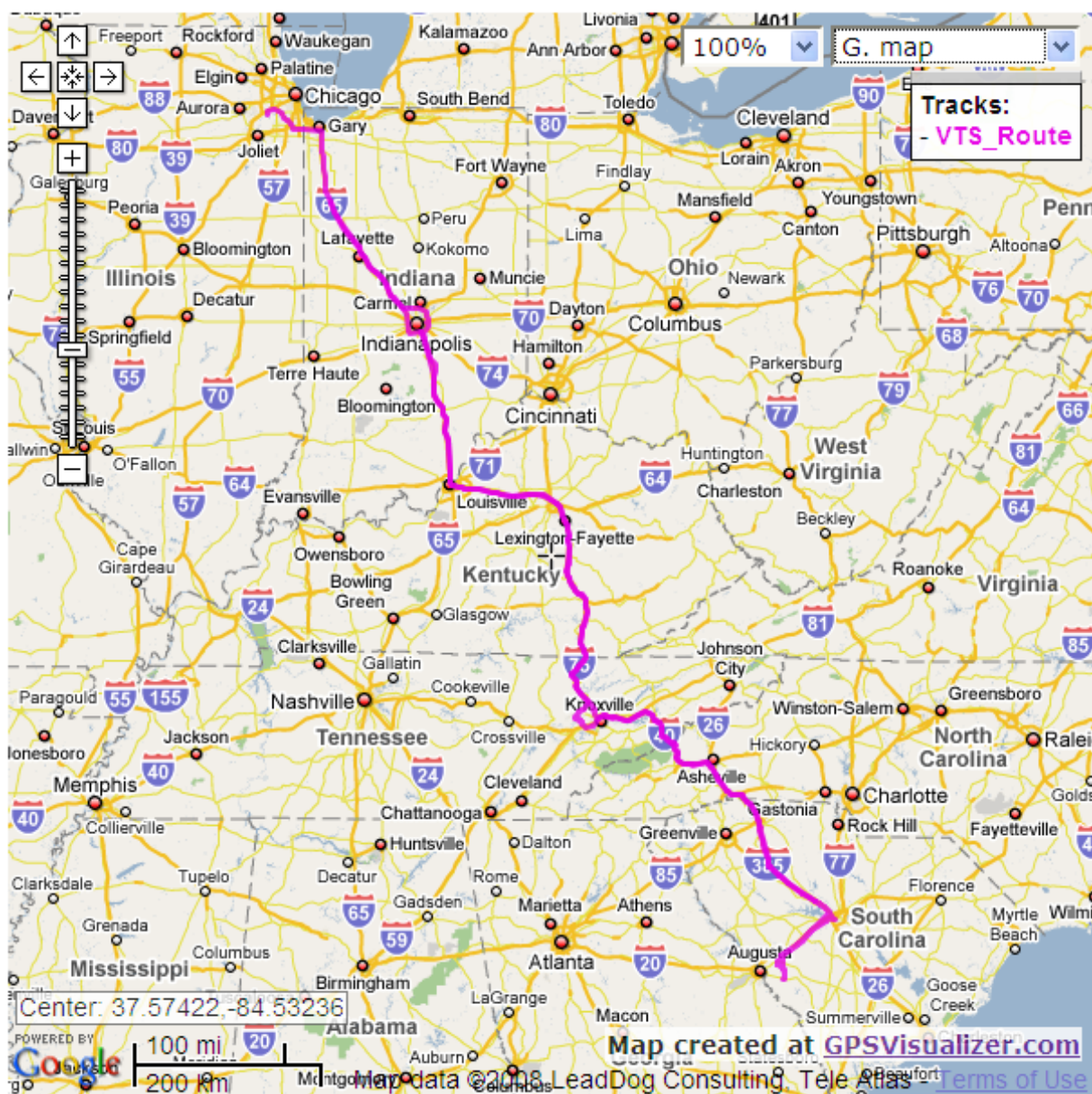
E. GIS Reports for Staged Incidents during Transport

There were four staged incidents during the transport demo; two occurred on April 22, and one each on April 23 and April 24. Within 10 minutes following each staged incident, notifications were sent to designated recipients with a GIS spatial query report covering a 10-mile buffer zone of the incident. The notifications and the GIS reports were sent from the mobile control center in the chase vehicle; the operation will be automated on the Argonne central server (future command center) that can generate and deliver relevant GIS reports within a critical time window after an incident/accident, which are extremely useful for emergency management.

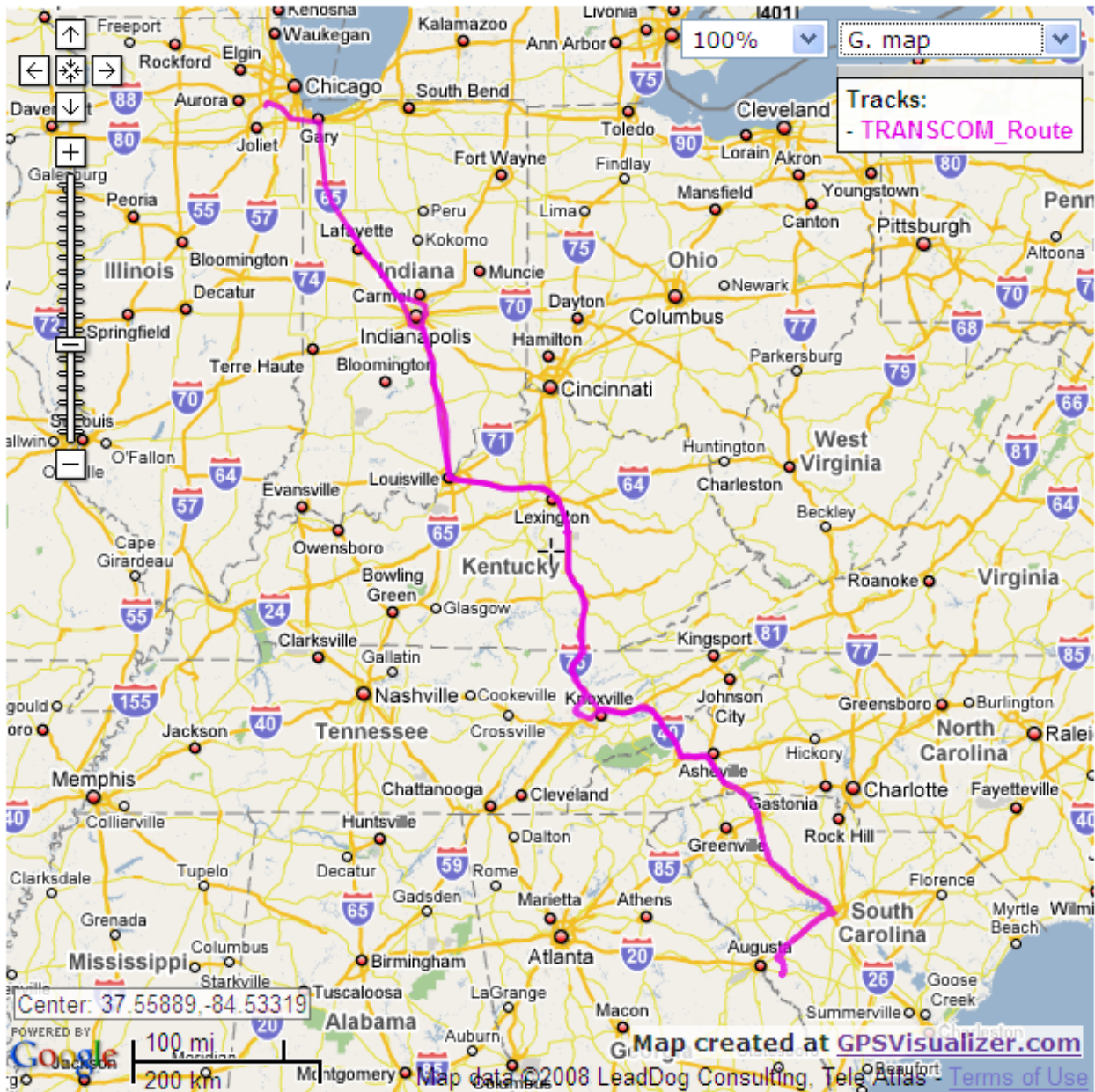
## Appendix A: Route Tracking (ANL-DIS)



## Appendix A: Route Tracking (ANL-VTS)



## Appendix A: Route Tracking (TRANSCOM)



**Appendix B: Summary of Alarm Events During Transportation and Storage DEMO (4/21/08 - 4/25/08)**

	<b>Tag ID</b>	<b>Drum No.</b>	<b>Time (EDT)</b>	<b>Alarm</b>	<b>Location</b>	<b>Cause</b>
<b>Shock-related Events</b>	5703196	014 (ES-3100)	4/22/08 15:48	Shock	I-26	Staged incident.
	5703191	016 (ES-3100)	4/22/08 16:53	Shock	I-20	Staged incident 2 (GIS-IN2).
	5703196	014 (ES-3100)	4/23/08 10:17	Shock	CHR	Staged incident.
	5703197	013 (ES-3100)	4/23/08 14:06	Shock	I-26	Staged incident 3 (GIS-IN3).
	5703199	011 (9977)	4/24/08 9:58	Shock	NTRC	Staged incident.
	5703179	006 (9975)	4/21/08 9:48	Shock	I-294	Road-induced and/or inadequate threshold setting.
	5703179	006 (9975)	4/21/08 11:37	Shock	I-65	Road-induced and/or inadequate threshold setting.
	5703179	006 (9975)	4/21/08 15:29	Shock	I-65	Road-induced and/or inadequate threshold setting.
	5703179	006 (9975)	4/21/08 17:52	Shock	I-64	Road-induced. Threshold raised subsequently - no more alarms.
	5703202	007 (9975)	4/23/08 17:40	Shock	I-40	Road-induced and/or inadequate threshold setting.
	5703202	007 (9975)	4/23/08 18:00	Shock	I-40	Road-induced and/or inadequate threshold setting.
	5703202	007 (9975)	4/23/08 18:38	Shock	I-40	Road-induced. Threshold raised subsequently - no more alarms.
	5703199	011 (9977)	4/25/08 10:14	Shock	I-65	Pallet bandings slipped off. Drums partially loose on pallet.
	<b>Seal-related Events</b>	5703197	013 (ES-3100)	4/21/08 14:54	Seal open	I-65
5703195		015 (ES-3100)	4/22/08 8:19	Seal open	Richmond	Staged incident 1 (GIS-IN1).
5703191		016 (ES-3100)	4/24/08 9:52	Seal open	NTRC	Staged incident.
5703200		010 (9977)	4/24/08 14:06	Seal open	Oak Ridge	Staged incident 4 (GIS-IN4).
5703187		003 (9975)	4/24/08 10:11	Seal open	NTRC	Tag pushed during demo. Seal momentarily opened, but intact.
5703191		016 (ES-3100)	4/25/08 18:33	Seal open	ANL	Tag twisted during unloading. Seal momentarily opened, but intact.
<b>Ambient-related Events</b>	5703197	013 (ES-3100)	4/23/08 9:13	High Humidity	CHR	Damp and cool morning in Aiken, SC.
	5703195	014 (ES-3100)	4/23/08 9:13	High Humidity	CHR	Damp and cool morning in Aiken, SC.
	5703195	015 (ES-3100)	4/23/08 9:13	High Humidity	CHR	Damp and cool morning in Aiken, SC.
	5703191	016 (ES-3100)	4/23/08 9:13	High Humidity	CHR	Damp and cool morning in Aiken, SC.
<b>RF-related Events</b>	5703191	016 (ES-3100)	4/22/08 18:19	No response	I-20	Momentarily loss of RF link (single poll cycle).
	5703197	013 (ES-3100)	4/23/08 15:43	No response	I-26	Loss of RF link (multiple poll cycles).
	5703180	008 (9977)	4/24/08 16:27	No response	I-75	Momentarily loss of RF link (single poll cycle).
	5703198	012 (9977)	4/25/08 8:21	No response	I-465	Momentarily loss of RF link (single poll cycle).



**Appendix B: Summary of Alarm Events During Transportation and Storage DEMO (4/21/08 - 4/25/08)**

	<b>Tag ID</b>	<b>Drum No.</b>	<b>Time (EDT)</b>	<b>Alarm</b>	<b>Location</b>	<b>Cause</b>
<b>Power-related Events</b>	5703200	010 (9977)	4/23/08 8:23	No response	CHR	Reader lost power due to truck "pigtail" connector failure.
	5703180	008 (9977)	4/23/08 8:26	No response	CHR	Reader lost power due to truck "pigtail" connector failure.
	5703201	009 (9977)	4/23/08 8:26	No response	CHR	Reader lost power due to truck "pigtail" connector failure.
	5703198	012 (9977)	4/23/08 8:26	No response	CHR	Reader lost power due to truck "pigtail" connector failure.
	5703187	003 (9975)	4/23/08 8:27	No response	CHR	Reader lost power due to truck "pigtail" connector failure.
	5703188	004 (9975)	4/23/08 8:27	No response	CHR	Reader lost power due to truck "pigtail" connector failure.
	5703190	005 (9975)	4/23/08 8:27	No response	CHR	Reader lost power due to truck "pigtail" connector failure.
	5703187	003 (9975)	4/23/08 16:17	No response	I-40	Recurring truck "pigtail" connector failure.
	5703201	009 (9977)	4/23/08 16:17	No response	I-40	Recurring truck "pigtail" connector failure.
	5703200	010 (9977)	4/23/08 16:17	No response	I-40	Recurring truck "pigtail" connector failure.
	5703198	012 (9977)	4/23/08 16:17	No response	I-40	Recurring truck "pigtail" connector failure.

**Appendix C:**

**Detailed Tag Data from ANL-DIS Tracking System during DEMO  
(April 21-25, 2008)**

Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/21/08 8:57	008	5703180	Normal	OK	10°C	46%	OK	OK	148	-	-87.79721	41.7102
4/21/08 8:57	009	5703201	Normal	OK	9°C	46%	OK	OK	151	-	-87.79721	41.7102
4/21/08 8:57	010	5703200	Normal	OK	10°C	45%	OK	OK	151	-	-87.79721	41.7102
4/21/08 8:57	011	5703199	Normal	OK	10°C	46%	OK	OK	151	-	-87.79721	41.7102
4/21/08 8:57	013	5703197	Normal	OK	10°C	46%	OK	OK	148	-	-87.79721	41.7102
4/21/08 8:58	003	5703187	Normal	OK	9°C	47%	OK	OK	142	-	-87.79721	41.7102
4/21/08 8:58	004	5703188	Normal	OK	9°C	47%	OK	OK	149	-	-87.79721	41.7102
4/21/08 8:58	005	5703190	Normal	OK	9°C	48%	OK	OK	148	-	-87.79721	41.7102
4/21/08 8:58	006	5703179	Normal	OK	9°C	47%	OK	OK	151	-	-87.79721	41.7102
4/21/08 8:58	007	5703202	Normal	OK	9°C	47%	OK	OK	151	-	-87.79721	41.7102
4/21/08 8:58	012	5703198	Normal	OK	10°C	45%	OK	OK	151	-	-87.79721	41.7102
4/21/08 8:58	014	5703196	Normal	OK	9°C	45%	OK	OK	152	-	-87.79721	41.7102
4/21/08 8:58	015	5703195	Normal	OK	10°C	46%	OK	OK	151	-	-87.79721	41.7102
4/21/08 8:58	016	5703191	Normal	OK	10°C	45%	OK	OK	152	-	-87.79721	41.7102
4/21/08 9:08	008	5703180	Normal	OK	10°C	47%	OK	OK	148	-	-87.79721	41.7102
4/21/08 9:09	003	5703187	Normal	OK	9°C	49%	OK	OK	142	-	-87.79721	41.7102
4/21/08 9:09	004	5703188	Normal	OK	9°C	48%	OK	OK	149	-	-87.79721	41.7102
4/21/08 9:09	005	5703190	Normal	OK	9°C	49%	OK	OK	148	-	-87.79721	41.7102
4/21/08 9:09	006	5703179	Normal	OK	10°C	48%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:09	007	5703202	Normal	OK	9°C	48%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:09	009	5703201	Normal	OK	10°C	46%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:09	010	5703200	Normal	OK	11°C	46%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:09	011	5703199	Normal	OK	10°C	47%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:09	012	5703198	Normal	OK	10°C	47%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:09	013	5703197	Normal	OK	10°C	47%	OK	OK	148	-	-87.79721	41.7102
4/21/08 9:09	014	5703196	Normal	OK	10°C	46%	OK	OK	152	-	-87.79721	41.7102
4/21/08 9:09	015	5703195	Normal	OK	10°C	47%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:09	016	5703191	Normal	OK	10°C	47%	OK	OK	152	-	-87.79721	41.7102
4/21/08 9:18	008	5703180	Normal	OK	10°C	48%	OK	OK	148	-	-87.79721	41.7102
4/21/08 9:19	003	5703187	Normal	OK	9°C	49%	OK	OK	142	-	-87.79721	41.7102
4/21/08 9:19	004	5703188	Normal	OK	10°C	49%	OK	OK	149	-	-87.79721	41.7102
4/21/08 9:19	005	5703190	Normal	OK	10°C	50%	OK	OK	148	-	-87.79721	41.7102
4/21/08 9:19	006	5703179	Normal	OK	10°C	49%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:19	007	5703202	Normal	OK	9°C	49%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:19	009	5703201	Normal	OK	10°C	47%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:19	010	5703200	Normal	OK	11°C	47%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:19	011	5703199	Normal	OK	10°C	48%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:19	012	5703198	Normal	OK	10°C	47%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:19	013	5703197	Normal	OK	11°C	47%	OK	OK	148	-	-87.79721	41.7102
4/21/08 9:19	014	5703196	Normal	OK	10°C	47%	OK	OK	152	-	-87.79721	41.7102
4/21/08 9:19	015	5703195	Normal	OK	11°C	48%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:19	016	5703191	Normal	OK	10°C	47%	OK	OK	152	-	-87.79721	41.7102
4/21/08 9:28	008	5703180	Normal	OK	11°C	48%	OK	OK	148	-	-87.79721	41.7102
4/21/08 9:29	003	5703187	Normal	OK	10°C	49%	OK	OK	142	-	-87.79721	41.7102
4/21/08 9:29	004	5703188	Normal	OK	10°C	49%	OK	OK	149	-	-87.79721	41.7102
4/21/08 9:29	005	5703190	Normal	OK	10°C	50%	OK	OK	148	-	-87.79721	41.7102
4/21/08 9:29	006	5703179	Normal	OK	11°C	49%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:29	007	5703202	Normal	OK	10°C	49%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:29	009	5703201	Normal	OK	10°C	47%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:29	010	5703200	Normal	OK	11°C	47%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:29	011	5703199	Normal	OK	11°C	49%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:29	012	5703198	Normal	OK	11°C	48%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:29	013	5703197	Normal	OK	11°C	47%	OK	OK	148	-	-87.79721	41.7102
4/21/08 9:29	014	5703196	Normal	OK	11°C	47%	OK	OK	152	-	-87.79721	41.7102
4/21/08 9:29	015	5703195	Normal	OK	11°C	48%	OK	OK	151	-	-87.79721	41.7102
4/21/08 9:29	016	5703191	Normal	OK	11°C	47%	OK	OK	152	-	-87.79721	41.7102
4/21/08 9:38	008	5703180	Normal	OK	11°C	48%	OK	OK	148	-	-87.28509	41.19978
4/21/08 9:39	003	5703187	Normal	OK	11°C	49%	OK	OK	142	-	-87.28509	41.19978
4/21/08 9:39	004	5703188	Normal	OK	11°C	49%	OK	OK	149	-	-87.28509	41.19978
4/21/08 9:39	005	5703190	Normal	OK	11°C	50%	OK	OK	148	-	-87.28509	41.19978
4/21/08 9:39	006	5703179	Normal	OK	11°C	49%	OK	OK	151	-	-87.28509	41.19978
4/21/08 9:39	007	5703202	Normal	OK	10°C	50%	OK	OK	151	-	-87.28509	41.19978
4/21/08 9:39	009	5703201	Normal	OK	11°C	47%	OK	OK	151	-	-87.28509	41.19978
4/21/08 9:39	010	5703200	Normal	OK	12°C	47%	OK	OK	151	-	-87.28509	41.19978
4/21/08 9:39	011	5703199	Normal	OK	11°C	49%	OK	OK	151	-	-87.28509	41.19978
4/21/08 9:39	012	5703198	Normal	OK	11°C	48%	OK	OK	151	-	-87.28509	41.19978
4/21/08 9:39	013	5703197	Normal	OK	12°C	47%	OK	OK	148	-	-87.28509	41.19978
4/21/08 9:39	014	5703196	Normal	OK	11°C	46%	OK	OK	152	-	-87.28509	41.19978
4/21/08 9:39	015	5703195	Normal	OK	12°C	48%	OK	OK	151	-	-87.28509	41.19978
4/21/08 9:39	016	5703191	Normal	OK	12°C	47%	OK	OK	152	-	-87.28509	41.19978
4/21/08 9:48	006	5703179	Alarm	OK	11°C	49%	Shocked	OK	147	Road-induced (>10)	-87.28509	41.19978
4/21/08 9:48	006	5703179	Alarm	OK	11°C	49%	OK	OK	147	Road-induced (>10)	-87.28509	41.19978
4/21/08 9:48	008	5703180	Normal	OK	12°C	48%	OK	OK	148	-	-87.28509	41.19978
4/21/08 9:49	003	5703187	Normal	OK	11°C	49%	OK	OK	142	-	-87.28509	41.19978
4/21/08 9:49	004	5703188	Normal	OK	11°C	49%	OK	OK	149	-	-87.28509	41.19978
4/21/08 9:49	005	5703190	Normal	OK	11°C	50%	OK	OK	148	-	-87.28509	41.19978
4/21/08 9:49	006	5703179	Alarm	OK	12°C	48%	Shocked	OK	147	Reset	-87.28509	41.19978
4/21/08 9:49	007	5703202	Normal	OK	11°C	49%	OK	OK	151	-	-87.28509	41.19978
4/21/08 9:49	009	5703201	Normal	OK	11°C	47%	OK	OK	151	-	-87.28509	41.19978
4/21/08 9:49	010	5703200	Normal	OK	12°C	47%	OK	OK	151	-	-87.28509	41.19978
4/21/08 9:49	011	5703199	Normal	OK	12°C	49%	OK	OK	151	-	-87.28509	41.19978
4/21/08 9:49	012	5703198	Normal	OK	12°C	47%	OK	OK	151	-	-87.28509	41.19978













Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/21/08 14:39	013	5703197	Normal	OK	22°C	47%	OK	OK	148	-	-86.35818	39.94815
4/21/08 14:39	014	5703196	Normal	OK	22°C	45%	OK	OK	152	-	-86.35818	39.94815
4/21/08 14:39	015	5703195	Normal	OK	22°C	48%	OK	OK	151	-	-86.35818	39.94815
4/21/08 14:39	016	5703191	Normal	OK	22°C	47%	OK	OK	152	-	-86.35818	39.94815
4/21/08 14:48	008	5703180	Normal	OK	22°C	49%	OK	OK	148	-	-86.35818	39.94815
4/21/08 14:48	010	5703200	Normal	OK	22°C	50%	OK	OK	151	-	-86.35818	39.94815
4/21/08 14:49	003	5703187	Normal	OK	22°C	47%	OK	OK	142	-	-86.35818	39.94815
4/21/08 14:49	004	5703188	Normal	OK	23°C	47%	OK	OK	149	-	-86.35818	39.94815
4/21/08 14:49	005	5703190	Normal	OK	22°C	47%	OK	OK	148	-	-86.35818	39.94815
4/21/08 14:49	006	5703179	Normal	OK	23°C	47%	OK	OK	144	-	-86.35818	39.94815
4/21/08 14:49	007	5703202	Normal	OK	22°C	47%	OK	OK	151	-	-86.35818	39.94815
4/21/08 14:49	009	5703201	Normal	OK	21°C	49%	OK	OK	151	-	-86.35818	39.94815
4/21/08 14:49	011	5703199	Normal	OK	22°C	50%	OK	OK	151	-	-86.35818	39.94815
4/21/08 14:49	012	5703198	Normal	OK	22°C	50%	OK	OK	151	-	-86.35818	39.94815
4/21/08 14:49	013	5703197	Normal	OK	23°C	46%	OK	OK	148	-	-86.35818	39.94815
4/21/08 14:49	014	5703196	Normal	OK	22°C	45%	OK	OK	152	-	-86.35818	39.94815
4/21/08 14:49	015	5703195	Normal	OK	22°C	48%	OK	OK	151	-	-86.35818	39.94815
4/21/08 14:49	016	5703191	Normal	OK	22°C	46%	OK	OK	152	-	-86.35818	39.94815
4/21/08 14:54	013	5703197	Alarm	Open	23°C	46%	OK	OK	142	Seal Open (Staged)	-85.94209	39.33379
4/21/08 14:57	013	5703197	Normal	OK	23°C	46%	OK	OK	142	-	-85.94209	39.33379
4/21/08 14:58	008	5703180	Normal	OK	23°C	47%	OK	OK	148	-	-85.94209	39.33379
4/21/08 14:59	003	5703187	Normal	OK	23°C	45%	OK	OK	142	-	-85.94209	39.33379
4/21/08 14:59	004	5703188	Normal	OK	23°C	45%	OK	OK	149	-	-85.94209	39.33379
4/21/08 14:59	005	5703190	Normal	OK	23°C	46%	OK	OK	148	-	-85.94209	39.33379
4/21/08 14:59	006	5703179	Normal	OK	23°C	45%	OK	OK	144	-	-85.94209	39.33379
4/21/08 14:59	007	5703202	Normal	OK	22°C	46%	OK	OK	151	-	-85.94209	39.33379
4/21/08 14:59	009	5703201	Normal	OK	22°C	47%	OK	OK	151	-	-85.94209	39.33379
4/21/08 14:59	010	5703200	Normal	OK	22°C	48%	OK	OK	151	-	-85.94209	39.33379
4/21/08 14:59	011	5703199	Normal	OK	22°C	49%	OK	OK	151	-	-85.94209	39.33379
4/21/08 14:59	012	5703198	Normal	OK	22°C	47%	OK	OK	151	-	-85.94209	39.33379
4/21/08 14:59	013	5703197	Normal	OK	23°C	46%	OK	OK	142	-	-85.94209	39.33379
4/21/08 14:59	014	5703196	Normal	OK	23°C	45%	OK	OK	152	-	-85.94209	39.33379
4/21/08 14:59	015	5703195	Normal	OK	23°C	45%	OK	OK	151	-	-85.94209	39.33379
4/21/08 14:59	016	5703191	Normal	OK	23°C	45%	OK	OK	152	-	-85.94209	39.33379
4/21/08 15:08	008	5703180	Normal	OK	23°C	45%	OK	OK	148	-	-85.94209	39.33379
4/21/08 15:09	003	5703187	Normal	OK	23°C	45%	OK	OK	142	-	-85.94209	39.33379
4/21/08 15:09	004	5703188	Normal	OK	23°C	45%	OK	OK	149	-	-85.94209	39.33379
4/21/08 15:09	005	5703190	Normal	OK	23°C	45%	OK	OK	148	-	-85.94209	39.33379
4/21/08 15:09	006	5703179	Normal	OK	23°C	45%	OK	OK	144	-	-85.94209	39.33379
4/21/08 15:09	007	5703202	Normal	OK	23°C	45%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:09	009	5703201	Normal	OK	22°C	46%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:09	010	5703200	Normal	OK	22°C	47%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:09	011	5703199	Normal	OK	22°C	47%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:09	012	5703198	Normal	OK	22°C	46%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:09	013	5703197	Normal	OK	23°C	45%	OK	OK	142	-	-85.94209	39.33379
4/21/08 15:09	014	5703196	Normal	OK	23°C	44%	OK	OK	152	-	-85.94209	39.33379
4/21/08 15:09	015	5703195	Normal	OK	23°C	46%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:09	016	5703191	Normal	OK	23°C	45%	OK	OK	152	-	-85.94209	39.33379
4/21/08 15:18	008	5703180	Normal	OK	23°C	45%	OK	OK	148	-	-85.94209	39.33379
4/21/08 15:19	003	5703187	Normal	OK	23°C	45%	OK	OK	142	-	-85.94209	39.33379
4/21/08 15:19	004	5703188	Normal	OK	23°C	45%	OK	OK	149	-	-85.94209	39.33379
4/21/08 15:19	005	5703190	Normal	OK	23°C	46%	OK	OK	148	-	-85.94209	39.33379
4/21/08 15:19	006	5703179	Normal	OK	24°C	45%	OK	OK	144	-	-85.94209	39.33379
4/21/08 15:19	007	5703202	Normal	OK	23°C	45%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:19	009	5703201	Normal	OK	22°C	46%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:19	010	5703200	Normal	OK	22°C	47%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:19	011	5703199	Normal	OK	22°C	47%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:19	012	5703198	Normal	OK	22°C	45%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:19	013	5703197	Normal	OK	24°C	45%	OK	OK	142	-	-85.94209	39.33379
4/21/08 15:19	014	5703196	Normal	OK	23°C	44%	OK	OK	152	-	-85.94209	39.33379
4/21/08 15:19	015	5703195	Normal	OK	23°C	46%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:19	016	5703191	Normal	OK	23°C	45%	OK	OK	152	-	-85.94209	39.33379
4/21/08 15:28	008	5703180	Normal	OK	23°C	45%	OK	OK	148	-	-85.94209	39.33379
4/21/08 15:29	003	5703187	Normal	OK	23°C	45%	OK	OK	142	-	-85.94209	39.33379
4/21/08 15:29	004	5703188	Normal	OK	24°C	45%	OK	OK	149	-	-85.94209	39.33379
4/21/08 15:29	005	5703190	Normal	OK	23°C	46%	OK	OK	148	-	-85.94209	39.33379
4/21/08 15:29	006	5703179	Alarm	OK	24°C	44%	Shocked	OK	141	Road-induced (>25)	-85.94209	39.33379
4/21/08 15:29	006	5703179	Alarm	OK	24°C	44%	OK	OK	141	Reset	-85.94209	39.33379
4/21/08 15:29	006	5703179	Normal	OK	24°C	44%	OK	OK	144	-	-85.94209	39.33379
4/21/08 15:29	007	5703202	Normal	OK	23°C	45%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:29	009	5703201	Normal	OK	22°C	46%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:29	010	5703200	Normal	OK	22°C	47%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:29	011	5703199	Normal	OK	22°C	47%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:29	012	5703198	Normal	OK	23°C	45%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:29	013	5703197	Normal	OK	24°C	44%	OK	OK	142	-	-85.94209	39.33379
4/21/08 15:29	014	5703196	Normal	OK	23°C	43%	OK	OK	152	-	-85.94209	39.33379
4/21/08 15:29	015	5703195	Normal	OK	23°C	45%	OK	OK	151	-	-85.94209	39.33379
4/21/08 15:29	016	5703191	Normal	OK	23°C	44%	OK	OK	152	-	-85.94209	39.33379
4/21/08 15:32	006	5703179	Normal	OK	24°C	44%	OK	OK	141	-	-85.94209	39.33379
4/21/08 15:38	008	5703180	Normal	OK	23°C	45%	OK	OK	148	-	-85.94209	39.33379
4/21/08 15:39	003	5703187	Normal	OK	23°C	45%	OK	OK	142	-	-85.94209	39.33379
4/21/08 15:39	004	5703188	Normal	OK	24°C	45%	OK	OK	149	-	-85.94209	39.33379







Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/21/08 18:39	006	5703179	Normal	OK	25°C	44%	OK	OK	141	-	-84.32172	37.73629
4/21/08 18:39	007	5703202	Normal	OK	24°C	45%	OK	OK	151	-	-84.32172	37.73629
4/21/08 18:39	009	5703201	Normal	OK	23°C	45%	OK	OK	151	-	-84.32172	37.73629
4/21/08 18:39	010	5703200	Normal	OK	24°C	46%	OK	OK	151	-	-84.32172	37.73629
4/21/08 18:39	011	5703199	Normal	OK	23°C	47%	OK	OK	151	-	-84.32172	37.73629
4/21/08 18:39	012	5703198	Normal	OK	24°C	45%	OK	OK	151	-	-84.32172	37.73629
4/21/08 18:39	013	5703197	Normal	OK	25°C	44%	OK	OK	142	-	-84.32172	37.73629
4/21/08 18:39	014	5703196	Normal	OK	24°C	43%	OK	OK	152	-	-84.32172	37.73629
4/21/08 18:39	015	5703195	Normal	OK	24°C	45%	OK	OK	151	-	-84.32172	37.73629
4/21/08 18:39	016	5703191	Normal	OK	24°C	44%	OK	OK	152	-	-84.32172	37.73629
4/21/08 18:48	008	5703180	Normal	OK	24°C	45%	OK	OK	148	-	-84.32172	37.73629
4/21/08 18:49	003	5703187	Normal	OK	24°C	44%	OK	OK	142	-	-84.32172	37.73629
4/21/08 18:49	004	5703188	Normal	OK	24°C	45%	OK	OK	149	-	-84.32172	37.73629
4/21/08 18:49	005	5703190	Normal	OK	24°C	45%	OK	OK	148	-	-84.32172	37.73629
4/21/08 18:49	006	5703179	Normal	OK	25°C	44%	OK	OK	141	-	-84.32172	37.73629
4/21/08 18:49	007	5703202	Normal	OK	24°C	45%	OK	OK	151	-	-84.32172	37.73629
4/21/08 18:49	009	5703201	Normal	OK	23°C	45%	OK	OK	151	-	-84.32172	37.73629
4/21/08 18:49	010	5703200	Normal	OK	24°C	46%	OK	OK	151	-	-84.32172	37.73629
4/21/08 18:49	011	5703199	Normal	OK	23°C	47%	OK	OK	151	-	-84.32172	37.73629
4/21/08 18:49	012	5703198	Normal	OK	23°C	45%	OK	OK	151	-	-84.32172	37.73629
4/21/08 18:49	013	5703197	Normal	OK	24°C	44%	OK	OK	142	-	-84.32172	37.73629
4/21/08 18:49	014	5703196	Normal	OK	24°C	44%	OK	OK	152	-	-84.32172	37.73629
4/21/08 18:49	015	5703195	Normal	OK	24°C	45%	OK	OK	151	-	-84.32172	37.73629
4/21/08 18:49	016	5703191	Normal	OK	24°C	44%	OK	OK	152	-	-84.32172	37.73629
4/22/08 8:16	013	5703197	Normal	OK	14°C	61%	OK	OK	151	-	-84.32054	37.7356
4/22/08 8:16	014	5703196	Normal	OK	13°C	57%	OK	OK	151	-	-84.32054	37.7356
4/22/08 8:16	015	5703195	Normal	OK	14°C	61%	OK	OK	140	-	-84.32054	37.7356
4/22/08 8:16	016	5703191	Normal	OK	14°C	55%	OK	OK	152	-	-84.32054	37.7356
4/22/08 8:17	003	5703187	Normal	OK	13°C	60%	OK	OK	150	-	-84.32054	37.7356
4/22/08 8:17	004	5703188	Normal	OK	13°C	57%	OK	OK	144	-	-84.32054	37.7356
4/22/08 8:17	005	5703190	Normal	OK	13°C	62%	OK	OK	148	-	-84.32054	37.7356
4/22/08 8:17	006	5703179	Normal	OK	14°C	56%	OK	OK	151	-	-84.32054	37.7356
4/22/08 8:17	007	5703202	Normal	OK	13°C	56%	OK	OK	151	-	-84.32054	37.7356
4/22/08 8:17	008	5703180	Normal	OK	14°C	59%	OK	OK	149	-	-84.32054	37.7356
4/22/08 8:17	009	5703201	Normal	OK	13°C	59%	OK	OK	152	-	-84.32054	37.7356
4/22/08 8:17	011	5703199	Normal	OK	14°C	57%	OK	OK	149	-	-84.32054	37.7356
4/22/08 8:17	012	5703198	Normal	OK	14°C	60%	OK	OK	152	-	-84.32054	37.7356
4/22/08 8:18	010	5703200	Normal	OK	14°C	56%	OK	OK	144	-	-84.32054	37.7356
4/22/08 8:19	015	5703195	Alarm	Open	14°C	61%	OK	OK	148	Seal Open (Staged)	-84.09925	37.03045
4/22/08 8:21	015	5703195	Alarm	Open	14°C	62%	OK	OK	148	Reset	-84.09925	37.03045
4/22/08 8:22	015	5703195	Normal	OK	14°C	62%	OK	OK	148	-	-84.09925	37.03045
4/22/08 8:28	003	5703187	Normal	OK	14°C	59%	OK	OK	150	-	-84.09925	37.03045
4/22/08 8:28	004	5703188	Normal	OK	13°C	59%	OK	OK	144	-	-84.09925	37.03045
4/22/08 8:28	005	5703190	Normal	OK	14°C	62%	OK	OK	148	-	-84.09925	37.03045
4/22/08 8:28	006	5703179	Normal	OK	15°C	56%	OK	OK	151	-	-84.09925	37.03045
4/22/08 8:28	007	5703202	Normal	OK	13°C	57%	OK	OK	151	-	-84.09925	37.03045
4/22/08 8:28	008	5703180	Normal	OK	15°C	59%	OK	OK	149	-	-84.09925	37.03045
4/22/08 8:28	009	5703201	Normal	OK	14°C	59%	OK	OK	152	-	-84.09925	37.03045
4/22/08 8:28	010	5703200	Normal	OK	14°C	57%	OK	OK	144	-	-84.09925	37.03045
4/22/08 8:28	011	5703199	Normal	OK	14°C	59%	OK	OK	149	-	-84.09925	37.03045
4/22/08 8:28	012	5703198	Normal	OK	15°C	58%	OK	OK	152	-	-84.09925	37.03045
4/22/08 8:28	013	5703197	Normal	OK	14°C	60%	OK	OK	151	-	-84.09925	37.03045
4/22/08 8:28	014	5703196	Normal	OK	14°C	57%	OK	OK	151	-	-84.09925	37.03045
4/22/08 8:28	015	5703195	Normal	OK	14°C	60%	OK	OK	148	-	-84.09925	37.03045
4/22/08 8:28	016	5703191	Normal	OK	15°C	56%	OK	OK	152	-	-84.09925	37.03045
4/22/08 8:38	003	5703187	Normal	OK	15°C	58%	OK	OK	150	-	-84.09925	37.03045
4/22/08 8:38	004	5703188	Normal	OK	14°C	60%	OK	OK	144	-	-84.09925	37.03045
4/22/08 8:38	005	5703190	Normal	OK	14°C	62%	OK	OK	148	-	-84.09925	37.03045
4/22/08 8:38	006	5703179	Normal	OK	15°C	57%	OK	OK	151	-	-84.09925	37.03045
4/22/08 8:38	007	5703202	Normal	OK	14°C	57%	OK	OK	151	-	-84.09925	37.03045
4/22/08 8:38	008	5703180	Normal	OK	15°C	59%	OK	OK	149	-	-84.09925	37.03045
4/22/08 8:38	009	5703201	Normal	OK	14°C	60%	OK	OK	152	-	-84.09925	37.03045
4/22/08 8:38	010	5703200	Normal	OK	15°C	60%	OK	OK	144	-	-84.09925	37.03045
4/22/08 8:38	011	5703199	Normal	OK	14°C	60%	OK	OK	149	-	-84.09925	37.03045
4/22/08 8:38	012	5703198	Normal	OK	15°C	58%	OK	OK	152	-	-84.09925	37.03045
4/22/08 8:38	013	5703197	Normal	OK	15°C	60%	OK	OK	151	-	-84.09925	37.03045
4/22/08 8:38	014	5703196	Normal	OK	14°C	57%	OK	OK	151	-	-84.09925	37.03045
4/22/08 8:38	015	5703195	Normal	OK	15°C	59%	OK	OK	148	-	-84.09925	37.03045
4/22/08 8:38	016	5703191	Normal	OK	15°C	56%	OK	OK	152	-	-84.09925	37.03045
4/22/08 8:48	005	5703190	Normal	OK	14°C	60%	OK	OK	148	-	-84.09925	37.03045
4/22/08 8:48	006	5703179	Normal	OK	16°C	55%	OK	OK	151	-	-84.09925	37.03045
4/22/08 8:48	007	5703202	Normal	OK	14°C	57%	OK	OK	151	-	-84.09925	37.03045
4/22/08 8:48	008	5703180	Normal	OK	15°C	57%	OK	OK	149	-	-84.09925	37.03045
4/22/08 8:48	013	5703197	Normal	OK	15°C	58%	OK	OK	151	-	-84.09925	37.03045
4/22/08 8:48	014	5703196	Normal	OK	15°C	56%	OK	OK	151	-	-84.09925	37.03045
4/22/08 8:48	015	5703195	Normal	OK	15°C	57%	OK	OK	148	-	-84.09925	37.03045
4/22/08 8:48	016	5703191	Normal	OK	15°C	55%	OK	OK	152	-	-84.09925	37.03045
4/22/08 8:49	003	5703187	Normal	OK	15°C	57%	OK	OK	150	-	-84.09925	37.03045
4/22/08 8:49	004	5703188	Normal	OK	14°C	59%	OK	OK	144	-	-84.09925	37.03045
4/22/08 8:49	009	5703201	Normal	OK	14°C	59%	OK	OK	152	-	-84.09925	37.03045
4/22/08 8:49	010	5703200	Normal	OK	15°C	59%	OK	OK	144	-	-84.09925	37.03045
4/22/08 8:49	011	5703199	Normal	OK	15°C	60%	OK	OK	149	-	-84.09925	37.03045











Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/22/08 12:50	011	5703199	Normal	OK	21°C	53%	OK	OK	149	-	-82.75512	35.54425
4/22/08 12:51	004	5703188	Normal	OK	22°C	50%	OK	OK	144	-	-82.75512	35.54425
4/22/08 12:51	010	5703200	Normal	OK	21°C	53%	OK	OK	144	-	-82.75512	35.54425
4/22/08 12:58	006	5703179	Normal	OK	22°C	49%	OK	OK	151	-	-82.75512	35.54425
4/22/08 12:58	013	5703197	Normal	OK	22°C	50%	OK	OK	151	-	-82.75512	35.54425
4/22/08 12:58	014	5703196	Normal	OK	22°C	49%	OK	OK	151	-	-82.75512	35.54425
4/22/08 12:58	015	5703195	Normal	OK	22°C	51%	OK	OK	148	-	-82.75512	35.54425
4/22/08 12:58	016	5703191	Normal	OK	22°C	50%	OK	OK	152	-	-82.75512	35.54425
4/22/08 12:59	007	5703202	Normal	OK	22°C	50%	OK	OK	151	-	-82.75512	35.54425
4/22/08 13:08	005	5703190	Normal	OK	22°C	51%	OK	OK	148	-	-82.75512	35.54425
4/22/08 13:08	006	5703179	Normal	OK	23°C	49%	OK	OK	151	-	-82.75512	35.54425
4/22/08 13:08	007	5703202	Normal	OK	22°C	50%	OK	OK	151	-	-82.75512	35.54425
4/22/08 13:08	008	5703180	Normal	OK	22°C	51%	OK	OK	149	-	-82.75512	35.54425
4/22/08 13:08	013	5703197	Normal	OK	23°C	50%	OK	OK	151	-	-82.75512	35.54425
4/22/08 13:08	014	5703196	Normal	OK	22°C	49%	OK	OK	151	-	-82.75512	35.54425
4/22/08 13:08	015	5703195	Normal	OK	22°C	51%	OK	OK	148	-	-82.75512	35.54425
4/22/08 13:08	016	5703191	Normal	OK	22°C	50%	OK	OK	152	-	-82.75512	35.54425
4/22/08 13:09	003	5703187	Normal	OK	22°C	50%	OK	OK	150	-	-82.75512	35.54425
4/22/08 13:09	004	5703188	Normal	OK	22°C	50%	OK	OK	144	-	-82.75512	35.54425
4/22/08 13:09	009	5703201	Normal	OK	21°C	52%	OK	OK	152	-	-82.75512	35.54425
4/22/08 13:09	010	5703200	Normal	OK	22°C	53%	OK	OK	144	-	-82.75512	35.54425
4/22/08 13:09	011	5703199	Normal	OK	22°C	53%	OK	OK	149	-	-82.75512	35.54425
4/22/08 13:09	012	5703198	Normal	OK	22°C	52%	OK	OK	152	-	-82.75512	35.54425
4/22/08 13:18	006	5703179	Normal	OK	23°C	49%	OK	OK	151	-	-82.53718	35.44211
4/22/08 13:18	007	5703202	Normal	OK	22°C	50%	OK	OK	151	-	-82.53718	35.44211
4/22/08 13:18	014	5703196	Normal	OK	23°C	49%	OK	OK	151	-	-82.53718	35.44211
4/22/08 13:19	003	5703187	Normal	OK	23°C	50%	OK	OK	150	-	-82.53718	35.44211
4/22/08 13:19	004	5703188	Normal	OK	23°C	50%	OK	OK	144	-	-82.53718	35.44211
4/22/08 13:19	005	5703190	Normal	OK	23°C	51%	OK	OK	148	-	-82.53718	35.44211
4/22/08 13:19	008	5703180	Normal	OK	23°C	51%	OK	OK	149	-	-82.53718	35.44211
4/22/08 13:19	009	5703201	Normal	OK	22°C	52%	OK	OK	152	-	-82.53718	35.44211
4/22/08 13:19	010	5703200	Normal	OK	22°C	53%	OK	OK	144	-	-82.53718	35.44211
4/22/08 13:19	011	5703199	Normal	OK	22°C	53%	OK	OK	149	-	-82.53718	35.44211
4/22/08 13:19	012	5703198	Normal	OK	22°C	51%	OK	OK	152	-	-82.53718	35.44211
4/22/08 14:08	005	5703190	Normal	OK	26°C	49%	OK	OK	148	-	-82.53718	35.44211
4/22/08 14:08	006	5703179	Normal	OK	26°C	47%	OK	OK	151	-	-82.53718	35.44211
4/22/08 14:08	007	5703202	Normal	OK	25°C	49%	OK	OK	151	-	-82.53718	35.44211
4/22/08 14:08	008	5703180	Normal	OK	26°C	48%	OK	OK	149	-	-82.53718	35.44211
4/22/08 14:08	009	5703201	Normal	OK	25°C	50%	OK	OK	152	-	-82.53718	35.44211
4/22/08 14:08	012	5703198	Normal	OK	25°C	49%	OK	OK	152	-	-82.53718	35.44211
4/22/08 14:08	013	5703197	Normal	OK	27°C	48%	OK	OK	151	-	-82.53718	35.44211
4/22/08 14:08	014	5703196	Normal	OK	26°C	46%	OK	OK	151	-	-82.53718	35.44211
4/22/08 14:08	015	5703195	Normal	OK	26°C	48%	OK	OK	148	-	-82.53718	35.44211
4/22/08 14:08	016	5703191	Normal	OK	26°C	47%	OK	OK	152	-	-82.53718	35.44211
4/22/08 14:09	003	5703187	Normal	OK	26°C	48%	OK	OK	150	-	-82.53718	35.44211
4/22/08 14:09	004	5703188	Normal	OK	26°C	48%	OK	OK	144	-	-82.53718	35.44211
4/22/08 14:09	010	5703200	Normal	OK	25°C	50%	OK	OK	144	-	-82.53718	35.44211
4/22/08 14:09	011	5703199	Normal	OK	25°C	50%	OK	OK	149	-	-82.53718	35.44211
4/22/08 14:18	003	5703187	Normal	OK	26°C	47%	OK	OK	150	-	-82.53718	35.44211
4/22/08 14:18	004	5703188	Normal	OK	26°C	47%	OK	OK	144	-	-82.53718	35.44211
4/22/08 14:18	005	5703190	Normal	OK	26°C	48%	OK	OK	148	-	-82.53718	35.44211
4/22/08 14:18	006	5703179	Normal	OK	26°C	47%	OK	OK	151	-	-82.53718	35.44211
4/22/08 14:18	007	5703202	Normal	OK	26°C	47%	OK	OK	151	-	-82.53718	35.44211
4/22/08 14:18	008	5703180	Normal	OK	26°C	47%	OK	OK	149	-	-82.53718	35.44211
4/22/08 14:18	009	5703201	Normal	OK	25°C	49%	OK	OK	152	-	-82.53718	35.44211
4/22/08 14:18	010	5703200	Normal	OK	25°C	50%	OK	OK	144	-	-82.53718	35.44211
4/22/08 14:18	011	5703199	Normal	OK	25°C	50%	OK	OK	149	-	-82.53718	35.44211
4/22/08 14:18	012	5703198	Normal	OK	25°C	49%	OK	OK	152	-	-82.53718	35.44211
4/22/08 14:18	013	5703197	Normal	OK	27°C	47%	OK	OK	151	-	-82.53718	35.44211
4/22/08 14:18	014	5703196	Normal	OK	26°C	45%	OK	OK	151	-	-82.53718	35.44211
4/22/08 14:18	015	5703195	Normal	OK	26°C	47%	OK	OK	148	-	-82.53718	35.44211
4/22/08 14:18	016	5703191	Normal	OK	26°C	46%	OK	OK	152	-	-82.53718	35.44211
4/22/08 14:28	005	5703190	Normal	OK	26°C	47%	OK	OK	148	-	-81.95076	34.72969
4/22/08 14:28	006	5703179	Normal	OK	26°C	45%	OK	OK	151	-	-81.95076	34.72969
4/22/08 14:28	007	5703202	Normal	OK	26°C	47%	OK	OK	151	-	-81.95076	34.72969
4/22/08 14:28	013	5703197	Normal	OK	26°C	46%	OK	OK	151	-	-81.95076	34.72969
4/22/08 14:28	014	5703196	Normal	OK	26°C	46%	OK	OK	151	-	-81.95076	34.72969
4/22/08 14:28	015	5703195	Normal	OK	26°C	47%	OK	OK	148	-	-81.95076	34.72969
4/22/08 14:28	016	5703191	Normal	OK	26°C	45%	OK	OK	152	-	-81.95076	34.72969
4/22/08 14:29	003	5703187	Normal	OK	26°C	46%	OK	OK	150	-	-81.95076	34.72969
4/22/08 14:29	004	5703188	Normal	OK	26°C	46%	OK	OK	144	-	-81.95076	34.72969
4/22/08 14:29	008	5703180	Normal	OK	26°C	47%	OK	OK	149	-	-81.95076	34.72969
4/22/08 14:29	009	5703201	Normal	OK	25°C	49%	OK	OK	152	-	-81.95076	34.72969
4/22/08 14:29	010	5703200	Normal	OK	25°C	50%	OK	OK	144	-	-81.95076	34.72969
4/22/08 14:29	011	5703199	Normal	OK	25°C	50%	OK	OK	149	-	-81.95076	34.72969
4/22/08 14:29	012	5703198	Normal	OK	25°C	48%	OK	OK	152	-	-81.95076	34.72969
4/22/08 14:38	006	5703179	Normal	OK	26°C	45%	OK	OK	151	-	-81.95076	34.72969
4/22/08 14:38	013	5703197	Normal	OK	26°C	46%	OK	OK	151	-	-81.95076	34.72969
4/22/08 14:38	014	5703196	Normal	OK	26°C	45%	OK	OK	151	-	-81.95076	34.72969
4/22/08 14:38	015	5703195	Normal	OK	26°C	47%	OK	OK	148	-	-81.95076	34.72969
4/22/08 14:38	016	5703191	Normal	OK	26°C	45%	OK	OK	152	-	-81.95076	34.72969
4/22/08 14:39	003	5703187	Normal	OK	26°C	46%	OK	OK	150	-	-81.95076	34.72969





Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/22/08 16:38	003	5703187	Normal	OK	24°C	47%	OK	OK	150	-	-81.3826	33.87433
4/22/08 16:38	004	5703188	Normal	OK	24°C	47%	OK	OK	144	-	-81.3826	33.87433
4/22/08 16:38	005	5703190	Normal	OK	24°C	49%	OK	OK	148	-	-81.3826	33.87433
4/22/08 16:38	006	5703179	Normal	OK	24°C	47%	OK	OK	151	-	-81.3826	33.87433
4/22/08 16:38	007	5703202	Normal	OK	24°C	48%	OK	OK	151	-	-81.3826	33.87433
4/22/08 16:38	008	5703180	Normal	OK	24°C	49%	OK	OK	149	-	-81.3826	33.87433
4/22/08 16:38	009	5703201	Normal	OK	23°C	50%	OK	OK	152	-	-81.3826	33.87433
4/22/08 16:38	010	5703200	Normal	OK	23°C	50%	OK	OK	144	-	-81.3826	33.87433
4/22/08 16:38	011	5703199	Normal	OK	23°C	50%	OK	OK	149	-	-81.3826	33.87433
4/22/08 16:38	012	5703198	Normal	OK	23°C	49%	OK	OK	152	-	-81.3826	33.87433
4/22/08 16:38	013	5703197	Normal	OK	24°C	48%	OK	OK	151	-	-81.3826	33.87433
4/22/08 16:38	014	5703196	Normal	OK	23°C	47%	OK	OK	141	-	-81.3826	33.87433
4/22/08 16:38	015	5703195	Normal	OK	23°C	49%	OK	OK	148	-	-81.3826	33.87433
4/22/08 16:38	016	5703191	Normal	OK	23°C	48%	OK	OK	152	-	-81.3826	33.87433
4/22/08 16:53	016	5703191	Alarm	OK	23°C	48%	Shocked	OK	142	Shock (Staged)	-81.3826	33.87433
4/22/08 16:53	016	5703191	Alarm	OK	23°C	48%	OK	OK	142	Reset	-81.3826	33.87433
4/22/08 16:55	016	5703191	Normal	OK	23°C	48%	OK	OK	142	-	-81.3826	33.87433
4/22/08 16:58	003	5703187	Normal	OK	24°C	47%	OK	OK	150	-	-81.3826	33.87433
4/22/08 16:58	004	5703188	Normal	OK	24°C	48%	OK	OK	144	-	-81.3826	33.87433
4/22/08 16:58	005	5703190	Normal	OK	24°C	49%	OK	OK	148	-	-81.3826	33.87433
4/22/08 16:58	006	5703179	Normal	OK	24°C	47%	OK	OK	151	-	-81.3826	33.87433
4/22/08 16:58	007	5703202	Normal	OK	23°C	49%	OK	OK	151	-	-81.3826	33.87433
4/22/08 16:58	008	5703180	Normal	OK	24°C	50%	OK	OK	149	-	-81.3826	33.87433
4/22/08 16:58	009	5703201	Normal	OK	23°C	50%	OK	OK	152	-	-81.3826	33.87433
4/22/08 16:58	010	5703200	Normal	OK	23°C	50%	OK	OK	144	-	-81.3826	33.87433
4/22/08 16:58	011	5703199	Normal	OK	23°C	50%	OK	OK	149	-	-81.3826	33.87433
4/22/08 16:58	012	5703198	Normal	OK	23°C	50%	OK	OK	152	-	-81.3826	33.87433
4/22/08 16:58	013	5703197	Normal	OK	24°C	49%	OK	OK	151	-	-81.3826	33.87433
4/22/08 16:58	014	5703196	Normal	OK	23°C	48%	OK	OK	141	-	-81.3826	33.87433
4/22/08 16:58	015	5703195	Normal	OK	24°C	50%	OK	OK	148	-	-81.3826	33.87433
4/22/08 16:58	016	5703191	Normal	OK	23°C	48%	OK	OK	142	-	-81.3826	33.87433
4/22/08 17:08	005	5703190	Normal	OK	24°C	49%	OK	OK	148	-	-81.3826	33.87433
4/22/08 17:08	006	5703179	Normal	OK	24°C	48%	OK	OK	151	-	-81.3826	33.87433
4/22/08 17:08	007	5703202	Normal	OK	23°C	49%	OK	OK	151	-	-81.3826	33.87433
4/22/08 17:08	008	5703180	Normal	OK	24°C	50%	OK	OK	149	-	-81.3826	33.87433
4/22/08 17:08	009	5703201	Normal	OK	23°C	50%	OK	OK	152	-	-81.3826	33.87433
4/22/08 17:08	013	5703197	Normal	OK	24°C	49%	OK	OK	151	-	-81.3826	33.87433
4/22/08 17:08	014	5703196	Normal	OK	23°C	48%	OK	OK	141	-	-81.3826	33.87433
4/22/08 17:08	015	5703195	Normal	OK	24°C	49%	OK	OK	148	-	-81.3826	33.87433
4/22/08 17:08	016	5703191	Normal	OK	23°C	48%	OK	OK	142	-	-81.3826	33.87433
4/22/08 17:09	003	5703187	Normal	OK	24°C	48%	OK	OK	150	-	-81.3826	33.87433
4/22/08 17:09	004	5703188	Normal	OK	24°C	49%	OK	OK	144	-	-81.3826	33.87433
4/22/08 17:09	010	5703200	Normal	OK	23°C	51%	OK	OK	144	-	-81.3826	33.87433
4/22/08 17:09	011	5703199	Normal	OK	23°C	51%	OK	OK	149	-	-81.3826	33.87433
4/22/08 17:09	012	5703198	Normal	OK	23°C	50%	OK	OK	152	-	-81.3826	33.87433
4/22/08 17:18	003	5703187	Normal	OK	24°C	48%	OK	OK	150	-	-81.3826	33.87433
4/22/08 17:18	004	5703188	Normal	OK	24°C	49%	OK	OK	144	-	-81.3826	33.87433
4/22/08 17:18	005	5703190	Normal	OK	24°C	49%	OK	OK	148	-	-81.3826	33.87433
4/22/08 17:18	006	5703179	Normal	OK	24°C	48%	OK	OK	151	-	-81.3826	33.87433
4/22/08 17:18	007	5703202	Normal	OK	23°C	49%	OK	OK	151	-	-81.3826	33.87433
4/22/08 17:18	008	5703180	Normal	OK	24°C	50%	OK	OK	149	-	-81.3826	33.87433
4/22/08 17:18	009	5703201	Normal	OK	23°C	50%	OK	OK	152	-	-81.3826	33.87433
4/22/08 17:18	010	5703200	Normal	OK	23°C	50%	OK	OK	144	-	-81.3826	33.87433
4/22/08 17:18	011	5703199	Normal	OK	23°C	51%	OK	OK	149	-	-81.3826	33.87433
4/22/08 17:18	012	5703198	Normal	OK	23°C	50%	OK	OK	152	-	-81.3826	33.87433
4/22/08 17:18	013	5703197	Normal	OK	24°C	49%	OK	OK	151	-	-81.3826	33.87433
4/22/08 17:18	014	5703196	Normal	OK	23°C	48%	OK	OK	141	-	-81.3826	33.87433
4/22/08 17:18	015	5703195	Normal	OK	24°C	49%	OK	OK	148	-	-81.3826	33.87433
4/22/08 17:18	016	5703191	Normal	OK	23°C	48%	OK	OK	142	-	-81.3826	33.87433
4/22/08 17:28	005	5703190	Normal	OK	24°C	49%	OK	OK	148	-	-81.71728	33.52016
4/22/08 17:28	006	5703179	Normal	OK	24°C	48%	OK	OK	151	-	-81.71728	33.52016
4/22/08 17:28	007	5703202	Normal	OK	23°C	49%	OK	OK	151	-	-81.71728	33.52016
4/22/08 17:28	008	5703180	Normal	OK	24°C	50%	OK	OK	149	-	-81.71728	33.52016
4/22/08 17:28	013	5703197	Normal	OK	24°C	49%	OK	OK	151	-	-81.71728	33.52016
4/22/08 17:28	014	5703196	Normal	OK	23°C	48%	OK	OK	141	-	-81.71728	33.52016
4/22/08 17:28	015	5703195	Normal	OK	24°C	49%	OK	OK	148	-	-81.71728	33.52016
4/22/08 17:28	016	5703191	Normal	OK	23°C	49%	OK	OK	142	-	-81.71728	33.52016
4/22/08 17:29	003	5703187	Normal	OK	24°C	48%	OK	OK	150	-	-81.71728	33.52016

Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/22/08 17:29	004	5703188	Normal	OK	24°C	49%	OK	OK	144	-	-81.71728	33.52016
4/22/08 17:29	009	5703201	Normal	OK	23°C	50%	OK	OK	152	-	-81.71728	33.52016
4/22/08 17:29	010	5703200	Normal	OK	23°C	50%	OK	OK	144	-	-81.71728	33.52016
4/22/08 17:29	011	5703199	Normal	OK	23°C	51%	OK	OK	149	-	-81.71728	33.52016
4/22/08 17:29	012	5703198	Normal	OK	23°C	50%	OK	OK	152	-	-81.71728	33.52016
4/22/08 17:38	005	5703190	Normal	OK	24°C	49%	OK	OK	148	-	-81.71728	33.52016
4/22/08 17:38	006	5703179	Normal	OK	24°C	48%	OK	OK	151	-	-81.71728	33.52016
4/22/08 17:38	007	5703202	Normal	OK	23°C	49%	OK	OK	151	-	-81.71728	33.52016
4/22/08 17:38	008	5703180	Normal	OK	24°C	50%	OK	OK	149	-	-81.71728	33.52016
4/22/08 17:38	009	5703201	Normal	OK	23°C	50%	OK	OK	152	-	-81.71728	33.52016
4/22/08 17:38	012	5703198	Normal	OK	23°C	50%	OK	OK	152	-	-81.71728	33.52016
4/22/08 17:38	013	5703197	Normal	OK	24°C	49%	OK	OK	151	-	-81.71728	33.52016
4/22/08 17:38	014	5703196	Normal	OK	23°C	48%	OK	OK	141	-	-81.71728	33.52016
4/22/08 17:38	015	5703195	Normal	OK	24°C	49%	OK	OK	148	-	-81.71728	33.52016
4/22/08 17:38	016	5703191	Normal	OK	23°C	48%	OK	OK	142	-	-81.71728	33.52016
4/22/08 17:39	003	5703187	Normal	OK	24°C	48%	OK	OK	150	-	-81.71728	33.52016
4/22/08 17:39	004	5703188	Normal	OK	24°C	49%	OK	OK	144	-	-81.71728	33.52016
4/22/08 17:39	010	5703200	Normal	OK	23°C	50%	OK	OK	144	-	-81.71728	33.52016
4/22/08 17:39	011	5703199	Normal	OK	23°C	51%	OK	OK	149	-	-81.71728	33.52016
4/22/08 17:48	006	5703179	Normal	OK	24°C	48%	OK	OK	151	-	-81.71728	33.52016
4/22/08 17:48	013	5703197	Normal	OK	24°C	49%	OK	OK	151	-	-81.71728	33.52016
4/22/08 17:48	014	5703196	Normal	OK	23°C	48%	OK	OK	141	-	-81.71728	33.52016
4/22/08 17:48	015	5703195	Normal	OK	24°C	49%	OK	OK	148	-	-81.71728	33.52016
4/22/08 17:48	016	5703191	Normal	OK	23°C	49%	OK	OK	142	-	-81.71728	33.52016
4/22/08 17:49	003	5703187	Normal	OK	24°C	48%	OK	OK	150	-	-81.71728	33.52016
4/22/08 17:49	008	5703180	Normal	OK	24°C	50%	OK	OK	149	-	-81.71728	33.52016
4/22/08 17:49	009	5703201	Normal	OK	23°C	50%	OK	OK	152	-	-81.71728	33.52016
4/22/08 17:49	011	5703199	Normal	OK	23°C	50%	OK	OK	149	-	-81.71728	33.52016
4/22/08 17:49	012	5703198	Normal	OK	23°C	50%	OK	OK	152	-	-81.71728	33.52016
4/22/08 17:50	004	5703188	Normal	OK	24°C	49%	OK	OK	144	-	-81.71728	33.52016
4/22/08 17:50	010	5703200	Normal	OK	23°C	50%	OK	OK	144	-	-81.71728	33.52016
4/22/08 17:58	006	5703179	Normal	OK	24°C	49%	OK	OK	151	-	-81.71728	33.52016
4/22/08 17:58	007	5703202	Normal	OK	23°C	49%	OK	OK	151	-	-81.71728	33.52016
4/22/08 17:58	013	5703197	Normal	OK	24°C	49%	OK	OK	151	-	-81.71728	33.52016
4/22/08 17:58	014	5703196	Normal	OK	23°C	48%	OK	OK	141	-	-81.71728	33.52016
4/22/08 17:58	015	5703195	Normal	OK	23°C	49%	OK	OK	148	-	-81.71728	33.52016
4/22/08 17:58	016	5703191	Normal	OK	23°C	49%	OK	OK	142	-	-81.71728	33.52016
4/22/08 17:59	003	5703187	Normal	OK	24°C	48%	OK	OK	150	-	-81.71728	33.52016
4/22/08 17:59	004	5703188	Normal	OK	24°C	49%	OK	OK	144	-	-81.71728	33.52016
4/22/08 17:59	005	5703190	Normal	OK	24°C	49%	OK	OK	148	-	-81.71728	33.52016
4/22/08 17:59	008	5703180	Normal	OK	23°C	50%	OK	OK	149	-	-81.71728	33.52016
4/22/08 17:59	009	5703201	Normal	OK	23°C	50%	OK	OK	152	-	-81.71728	33.52016
4/22/08 17:59	010	5703200	Normal	OK	23°C	50%	OK	OK	144	-	-81.71728	33.52016
4/22/08 17:59	011	5703199	Normal	OK	23°C	50%	OK	OK	149	-	-81.71728	33.52016
4/22/08 17:59	012	5703198	Normal	OK	23°C	50%	OK	OK	152	-	-81.71728	33.52016
4/22/08 18:08	005	5703190	Normal	OK	24°C	49%	OK	OK	148	-	-81.71728	33.52016
4/22/08 18:08	006	5703179	Normal	OK	24°C	48%	OK	OK	151	-	-81.71728	33.52016
4/22/08 18:08	007	5703202	Normal	OK	23°C	49%	OK	OK	151	-	-81.71728	33.52016
4/22/08 18:08	008	5703180	Normal	OK	23°C	50%	OK	OK	149	-	-81.71728	33.52016
4/22/08 18:08	009	5703201	Normal	OK	23°C	50%	OK	OK	152	-	-81.71728	33.52016
4/22/08 18:08	013	5703197	Normal	OK	24°C	49%	OK	OK	151	-	-81.71728	33.52016
4/22/08 18:08	014	5703196	Normal	OK	23°C	48%	OK	OK	141	-	-81.71728	33.52016
4/22/08 18:08	015	5703195	Normal	OK	23°C	49%	OK	OK	148	-	-81.71728	33.52016
4/22/08 18:08	016	5703191	Normal	OK	23°C	49%	OK	OK	142	-	-81.71728	33.52016
4/22/08 18:09	003	5703187	Normal	OK	23°C	48%	OK	OK	150	-	-81.71728	33.52016
4/22/08 18:09	004	5703188	Normal	OK	24°C	49%	OK	OK	144	-	-81.71728	33.52016
4/22/08 18:09	010	5703200	Normal	OK	23°C	50%	OK	OK	144	-	-81.71728	33.52016
4/22/08 18:09	011	5703199	Normal	OK	23°C	50%	OK	OK	149	-	-81.71728	33.52016
4/22/08 18:09	012	5703198	Normal	OK	23°C	50%	OK	OK	152	-	-81.71728	33.52016
4/22/08 18:18	006	5703179	Normal	OK	24°C	48%	OK	OK	151	-	-81.71728	33.52016
4/22/08 18:18	013	5703197	Normal	OK	24°C	49%	OK	OK	151	-	-81.71728	33.52016
4/22/08 18:18	014	5703196	Normal	OK	23°C	48%	OK	OK	141	-	-81.71728	33.52016
4/22/08 18:18	015	5703195	Normal	OK	23°C	49%	OK	OK	148	-	-81.71728	33.52016
4/22/08 18:19	003	5703187	Normal	OK	23°C	48%	OK	OK	150	-	-81.71487	33.38752
4/22/08 18:19	005	5703190	Normal	OK	24°C	50%	OK	OK	148	-	-81.71728	33.52016
4/22/08 18:19	007	5703202	Normal	OK	23°C	49%	OK	OK	151	-	-81.71728	33.52016
4/22/08 18:19	008	5703180	Normal	OK	23°C	50%	OK	OK	149	-	-81.71728	33.52016
4/22/08 18:19	009	5703201	Normal	OK	23°C	50%	OK	OK	152	-	-81.71728	33.52016
4/22/08 18:19	011	5703199	Normal	OK	23°C	50%	OK	OK	149	-	-81.71728	33.52016
4/22/08 18:19	012	5703198	Normal	OK	23°C	50%	OK	OK	152	-	-81.71728	33.52016
4/22/08 18:19	016	5703191	No Response	-	-	-	-	-	0	Alarm - Momentary NR	-81.71646	33.52202
4/22/08 18:20	004	5703188	Normal	OK	24°C	49%	OK	OK	144	-	-81.71487	33.38752
4/22/08 18:20	010	5703200	Normal	OK	23°C	50%	OK	OK	144	-	-81.71487	33.38752
4/22/08 18:20	016	5703191	Normal	OK	23°C	49%	OK	OK	0	-	-81.71487	33.38752
4/23/08 8:00	006	5703179	Normal	OK	16°C	54%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:00	010	5703200	Normal	OK	16°C	55%	OK	OK	147	-	-81.71487	33.38752
4/23/08 8:00	014	5703196	Normal	OK	15°C	55%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:01	005	5703190	Normal	OK	15°C	57%	OK	OK	144	-	-81.71487	33.38752
4/23/08 8:01	007	5703202	Normal	OK	15°C	54%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:01	011	5703199	Normal	OK	16°C	56%	OK	OK	143	-	-81.71487	33.38752
4/23/08 8:01	013	5703197	Normal	OK	15°C	57%	OK	OK	151	-	-81.71487	33.38752
4/23/08 8:01	016	5703191	Normal	OK	15°C	55%	OK	OK	150	-	-81.71487	33.38752

Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/23/08 8:02	003	5703187	Normal	OK	15°C	55%	OK	OK	149	-	-81.71487	33.38752
4/23/08 8:02	004	5703188	Normal	OK	15°C	56%	OK	OK	149	-	-81.71487	33.38752
4/23/08 8:02	008	5703180	Normal	OK	16°C	56%	OK	OK	149	-	-81.71487	33.38752
4/23/08 8:02	009	5703201	Normal	OK	15°C	55%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:02	012	5703198	Normal	OK	15°C	56%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:02	015	5703195	Normal	OK	15°C	57%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:13	006	5703179	Normal	OK	16°C	56%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:13	007	5703202	Normal	OK	15°C	56%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:13	010	5703200	Normal	OK	16°C	55%	OK	OK	147	-	-81.71487	33.38752
4/23/08 8:13	011	5703199	Normal	OK	16°C	56%	OK	OK	143	-	-81.71487	33.38752
4/23/08 8:13	013	5703197	Normal	OK	16°C	57%	OK	OK	151	-	-81.71487	33.38752
4/23/08 8:13	014	5703196	Normal	OK	15°C	55%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:14	005	5703190	Normal	OK	15°C	57%	OK	OK	144	-	-81.71487	33.38752
4/23/08 8:14	008	5703180	Normal	OK	16°C	56%	OK	OK	149	-	-81.71487	33.38752
4/23/08 8:14	009	5703201	Normal	OK	15°C	55%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:14	012	5703198	Normal	OK	15°C	56%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:14	015	5703195	Normal	OK	16°C	57%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:15	003	5703187	Normal	OK	15°C	55%	OK	OK	149	-	-81.71487	33.38752
4/23/08 8:15	004	5703188	Normal	OK	15°C	57%	OK	OK	149	-	-81.71487	33.38752
4/23/08 8:23	006	5703179	Normal	OK	16°C	56%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:23	007	5703202	Normal	OK	15°C	57%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:23	011	5703199	Normal	OK	16°C	56%	OK	OK	143	-	-81.71487	33.38752
4/23/08 8:23	013	5703197	Normal	OK	16°C	57%	OK	OK	151	-	-81.71487	33.38752
4/23/08 8:23	014	5703196	Normal	OK	16°C	55%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:23	016	5703191	Normal	OK	16°C	55%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:24	005	5703190	Normal	OK	15°C	57%	OK	OK	144	-	-81.71487	33.38752
4/23/08 8:25	015	5703195	Normal	OK	16°C	57%	OK	OK	150	-	-81.71487	33.38752
4/23/08 8:32	003	5703187	Normal	OK	15°C	56%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:32	004	5703188	Normal	OK	15°C	57%	OK	OK	0	-	-81.71271	33.38639
4/23/08 8:32	010	5703200	Normal	OK	17°C	55%	OK	OK	0	-	-81.71271	33.38639
4/23/08 8:32	012	5703198	Normal	OK	16°C	56%	OK	OK	0	-	-81.71271	33.38639
4/23/08 8:33	005	5703190	Normal	OK	16°C	57%	OK	OK	144	-	-81.71271	33.38639
4/23/08 8:33	006	5703179	Normal	OK	16°C	55%	OK	OK	150	-	-81.71271	33.38639
4/23/08 8:33	007	5703202	Normal	OK	15°C	56%	OK	OK	150	-	-81.71271	33.38639
4/23/08 8:33	009	5703201	Normal	OK	16°C	55%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:33	009	5703201	Normal	OK	16°C	55%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:33	010	5703200	Normal	OK	17°C	55%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:33	011	5703199	Normal	OK	16°C	56%	OK	OK	143	-	-81.71271	33.38639
4/23/08 8:33	013	5703197	Normal	OK	16°C	57%	OK	OK	151	-	-81.71271	33.38639
4/23/08 8:33	014	5703196	Normal	OK	16°C	55%	OK	OK	150	-	-81.71271	33.38639
4/23/08 8:33	015	5703195	Normal	OK	16°C	57%	OK	OK	150	-	-81.71271	33.38639
4/23/08 8:33	016	5703191	Normal	OK	16°C	55%	OK	OK	150	-	-81.71271	33.38639
4/23/08 8:34	003	5703187	Normal	OK	15°C	56%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:34	004	5703188	Normal	OK	16°C	57%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:34	008	5703180	No Response	OK	16°C	56%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:34	008	5703180	Normal	OK	16°C	56%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:34	010	5703200	Normal	OK	17°C	55%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:34	012	5703198	Normal	OK	16°C	56%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:34	014	5703196	Normal	OK	16°C	55%	OK	OK	150	Tag Leave	-81.71271	33.38639
4/23/08 8:35	003	5703187	Normal	OK	15°C	56%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:35	004	5703188	Normal	OK	16°C	57%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:35	005	5703190	Normal	OK	16°C	57%	OK	OK	144	Tag Leave	-81.71271	33.38639
4/23/08 8:35	006	5703179	Normal	OK	16°C	55%	OK	OK	150	Tag Leave	-81.71271	33.38639
4/23/08 8:35	007	5703202	Normal	OK	15°C	56%	OK	OK	150	Tag Leave	-81.71271	33.38639
4/23/08 8:35	008	5703180	Normal	OK	16°C	56%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:35	009	5703201	Normal	OK	16°C	55%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:35	011	5703199	Normal	OK	16°C	56%	OK	OK	143	Tag Leave	-81.71271	33.38639
4/23/08 8:35	012	5703198	Normal	OK	16°C	56%	OK	OK	0	Prep for CHR Demo	-81.71271	33.38639
4/23/08 8:35	013	5703197	Normal	OK	16°C	57%	OK	OK	151	Tag Leave	-81.71271	33.38639
4/23/08 8:35	015	5703195	Normal	OK	16°C	57%	OK	OK	150	Tag Leave	-81.71271	33.38639
4/23/08 8:35	016	5703191	Normal	OK	16°C	55%	OK	OK	150	Tag Leave	-81.71271	33.38639
4/23/08 9:13	013	5703197	Alarm	OK	18°C	Alarm (73%)	OK	OK	146	Alarm	-81.71271	33.38639
4/23/08 9:13	014	5703196	Warning	OK	18°C	Warning (69%)	OK	OK	106	Warning	-81.71271	33.38639
4/23/08 9:13	015	5703195	Alarm	OK	18°C	Alarm (73%)	OK	OK	106	Alarm	-81.71271	33.38639
4/23/08 9:13	015	5703195	Alarm	OK	18°C	Alarm (73%)	OK	OK	106	Alarm	-81.71271	33.38639
4/23/08 9:13	016	5703191	Alarm	OK	18°C	Alarm (73%)	OK	OK	103	Alarm	-81.71271	33.38639
4/23/08 9:13	016	5703191	Alarm	OK	18°C	Alarm (73%)	OK	OK	103	Alarm	-81.71271	33.38639
4/23/08 9:23	013	5703197	Alarm	OK	19°C	Alarm (68%)	OK	OK	146	Alarm	-81.71271	33.38639
4/23/08 9:23	014	5703196	Normal	OK	19°C	63%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:23	015	5703195	Alarm	OK	19°C	Alarm (69%)	OK	OK	106	Alarm	-81.71271	33.38639
4/23/08 9:23	016	5703191	Alarm	OK	18°C	Alarm (69%)	OK	OK	103	Alarm	-81.71271	33.38639
4/23/08 9:33	013	5703197	Alarm	OK	19°C	Alarm (64%)	OK	OK	146	Alarm	-81.71271	33.38639
4/23/08 9:33	014	5703196	Normal	OK	19°C	60%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:33	015	5703195	Alarm	OK	19°C	Alarm (64%)	OK	OK	106	Alarm	-81.71271	33.38639
4/23/08 9:33	016	5703191	Alarm	OK	19°C	Alarm (64%)	OK	OK	103	Alarm	-81.71271	33.38639
4/23/08 9:34	015	5703195	Normal	OK	19°C	64%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:34	016	5703191	Normal	OK	19°C	64%	OK	OK	103	-	-81.71271	33.38639
4/23/08 9:35	013	5703197	Normal	OK	20°C	63%	OK	OK	146	-	-81.71271	33.38639
4/23/08 9:43	013	5703197	Normal	OK	20°C	62%	OK	OK	146	-	-81.71271	33.38639
4/23/08 9:43	014	5703196	Normal	OK	20°C	58%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:43	015	5703195	Normal	OK	20°C	63%	OK	OK	106	-	-81.71271	33.38639

Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/23/08 9:43	016	5703191	Normal	OK	20°C	62%	OK	OK	103	-	-81.71271	33.38639
4/23/08 9:53	013	5703197	Normal	OK	20°C	61%	OK	OK	146	-	-81.71271	33.38639
4/23/08 9:53	014	5703196	Normal	OK	20°C	57%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:53	015	5703195	Normal	OK	20°C	60%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:53	016	5703191	Normal	OK	20°C	60%	OK	OK	103	-	-81.71271	33.38639
4/23/08 10:03	013	5703197	Normal	OK	20°C	60%	OK	OK	146	-	-81.71271	33.38639
4/23/08 10:03	014	5703196	Normal	OK	20°C	56%	OK	OK	106	-	-81.71271	33.38639
4/23/08 10:03	015	5703195	Normal	OK	20°C	60%	OK	OK	106	-	-81.71271	33.38639
4/23/08 10:03	016	5703191	Normal	OK	20°C	59%	OK	OK	103	-	-81.71271	33.38639
4/23/08 10:11	013	5703197	Normal	OK	20°C	59%	OK	OK	143	-	-81.71271	33.38639
4/23/08 10:11	014	5703196	Normal	OK	20°C	56%	OK	OK	144	-	-81.71271	33.38639
4/23/08 10:11	015	5703195	Normal	OK	20°C	60%	OK	OK	142	-	-81.71271	33.38639
4/23/08 10:11	016	5703191	Normal	OK	20°C	59%	OK	OK	144	-	-81.71271	33.38639
4/23/08 10:17	014	5703196	Alarm	OK	20°C	56%	Shocked	OK	143	Alarm	-81.71271	33.38639
4/23/08 10:19	014	5703196	Alarm	OK	20°C	55%	Shocked	OK	131	Alarm	-81.71271	33.38639
4/23/08 10:19	014	5703196	Alarm	OK	20°C	55%	OK	OK	131	Reset	-81.71271	33.38639
4/23/08 10:19	014	5703196	Normal	OK	20°C	55%	OK	OK	143	-	-81.71271	33.38639
4/23/08 10:20	014	5703196	Normal	OK	20°C	55%	OK	OK	131	-	-81.71271	33.38639
4/23/08 10:21	013	5703197	Normal	OK	20°C	59%	OK	OK	143	-	-81.71271	33.38639
4/23/08 10:21	014	5703196	Normal	OK	20°C	55%	OK	OK	131	-	-81.71271	33.38639
4/23/08 10:21	015	5703195	Normal	OK	20°C	59%	OK	OK	142	-	-81.71271	33.38639
4/23/08 10:21	016	5703191	Normal	OK	20°C	57%	OK	OK	144	-	-81.71271	33.38639
4/23/08 10:31	013	5703197	Normal	OK	20°C	58%	OK	OK	143	-	-81.71271	33.38639
4/23/08 10:31	014	5703196	Normal	OK	20°C	55%	OK	OK	131	-	-81.71271	33.38639
4/23/08 10:31	015	5703195	Normal	OK	20°C	59%	OK	OK	142	-	-81.71271	33.38639
4/23/08 10:31	016	5703191	Normal	OK	20°C	57%	OK	OK	144	-	-81.71271	33.38639
4/23/08 10:35	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:35	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	015	5703195	Normal	OK	20°C	59%	OK	OK	142	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	015	5703195	Normal	OK	20°C	59%	OK	OK	142	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	015	5703195	Normal	OK	20°C	59%	OK	OK	142	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	015	5703195	Normal	OK	20°C	59%	OK	OK	142	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:41	013	5703197	Normal	OK	20°C	57%	OK	OK	143	-	-81.71271	33.38639
4/23/08 10:41	014	5703196	Normal	OK	20°C	55%	OK	OK	131	-	-81.71271	33.38639
4/23/08 10:41	015	5703195	Normal	OK	20°C	58%	OK	OK	142	-	-81.71271	33.38639
4/23/08 10:41	016	5703191	Normal	OK	20°C	57%	OK	OK	144	-	-81.71271	33.38639
4/23/08 10:43	013	5703197	Normal	OK	20°C	57%	OK	OK	143	Drum left CHR	-81.71271	33.38639
4/23/08 10:43	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum left CHR	-81.71271	33.38639
4/23/08 10:43	015	5703195	Normal	OK	20°C	58%	OK	OK	142	Drum left CHR	-81.71271	33.38639
4/23/08 10:43	016	5703191	Normal	OK	20°C	57%	OK	OK	144	Drum left CHR	-81.71271	33.38639
4/23/08 11:03	010	5703200	Warning	OK	20°C	Warning (66%)	OK	OK	149	Warning	-81.68529	33.41871
4/23/08 11:04	004	5703188	Warning	OK	19°C	Warning (66%)	OK	OK	148	Warning	-81.68529	33.41871
4/23/08 11:04	005	5703190	Warning	OK	19°C	Warning (67%)	OK	OK	117	Warning	-81.68529	33.41871
4/23/08 11:04	008	5703180	Alarm	OK	19°C	Warning (68%)	OK	OK	145	Alarm	-81.68529	33.41871
4/23/08 11:04	008	5703180	Warning	OK	19°C	Warning (68%)	OK	OK	148	Warning	-81.68529	33.41871
4/23/08 11:04	010	5703200	Alarm	OK	20°C	Warning (66%)	OK	OK	144	Alarm	-81.68529	33.41871
4/23/08 11:05	013	5703197	Normal	OK	20°C	63%	OK	OK	148	-	-81.68529	33.41871
4/23/08 11:42	003	5703187	Normal	OK	19°C	63%	OK	OK	146	-	-81.68529	33.41871
4/23/08 11:42	009	5703201	Normal	OK	19°C	65%	OK	OK	150	-	-81.68529	33.41871
4/23/08 11:42	015	5703195	Normal	OK	20°C	62%	OK	OK	149	-	-81.68529	33.41871
4/23/08 11:43	005	5703190	Warning	OK	19°C	Warning (66%)	OK	OK	139	Warning	-81.68529	33.41871
4/23/08 11:43	010	5703200	Warning	OK	20°C	Warning (66%)	OK	OK	150	Warning	-81.68529	33.41871
4/23/08 11:43	011	5703199	Normal	OK	19°C	65%	OK	OK	149	-	-81.68529	33.41871
4/23/08 11:43	012	5703198	Warning	OK	19°C	Warning (66%)	OK	OK	147	Warning	-81.68529	33.41871
4/23/08 11:44	006	5703179	Normal	OK	20°C	63%	OK	OK	150	-	-81.68529	33.41871
4/23/08 11:44	008	5703180	Alarm	OK	20°C	Alarm (65%)	OK	OK	146	Alarm	-81.68529	33.41871
4/23/08 11:44	011	5703199	Alarm	OK	19°C	Alarm (65%)	OK	OK	146	Alarm	-81.68529	33.41871
4/23/08 11:44	014	5703196	Normal	OK	20°C	60%	OK	OK	150	-	-81.68529	33.41871
4/23/08 11:45	007	5703202	Normal	OK	19°C	64%	OK	OK	150	-	-81.68529	33.41871
4/23/08 11:45	013	5703197	Normal	OK	21°C	60%	OK	OK	150	-	-81.68529	33.41871
4/23/08 11:46	011	5703199	Normal	OK	20°C	65%	OK	OK	146	-	-81.68529	33.41871
4/23/08 11:47	008	5703180	Normal	OK	20°C	65%	OK	OK	146	-	-81.68529	33.41871
4/23/08 11:47	016	5703191	Normal	OK	20°C	60%	OK	OK	149	-	-81.68529	33.41871
4/23/08 11:48	004	5703188	Normal	OK	20°C	64%	OK	OK	142	-	-81.68529	33.41871
4/23/08 11:49	016	5703191	Normal	OK	20°C	60%	OK	OK	149	-	-81.68529	33.41871
4/23/08 11:58	003	5703187	Normal	OK	20°C	63%	OK	OK	146	-	-81.68529	33.41871
4/23/08 11:58	005	5703190	Normal	OK	20°C	65%	OK	OK	139	-	-81.68529	33.41871
4/23/08 11:58	009	5703201	Normal	OK	20°C	64%	OK	OK	150	-	-81.68529	33.41871
4/23/08 11:58	012	5703198	Normal	OK	20°C	64%	OK	OK	147	-	-81.68529	33.41871
4/23/08 11:58	015	5703195	Normal	OK	20°C	61%	OK	OK	149	-	-81.68529	33.41871
4/23/08 11:59	004	5703188	Normal	OK	20°C	64%	OK	OK	142	-	-81.68529	33.41871
4/23/08 11:59	006	5703179	Normal	OK	20°C	62%	OK	OK	150	-	-81.68529	33.41871
4/23/08 11:59	007	5703202	Normal	OK	19°C	63%	OK	OK	150	-	-81.68529	33.41871
4/23/08 11:59	008	5703180	Normal	OK	20°C	64%	OK	OK	146	-	-81.68529	33.41871
4/23/08 11:59	010	5703200	Normal	OK	20°C	65%	OK	OK	150	-	-81.68529	33.41871
4/23/08 11:59	011	5703199	Warning	OK	20°C	Warning (66%)	OK	OK	146	Warning	-81.68529	33.41871



Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/23/08 11:59	013	5703197	Normal	OK	21°C	60%	OK	OK	150	-	-81.68529	33.41871
4/23/08 11:59	014	5703196	Normal	OK	20°C	60%	OK	OK	150	-	-81.68529	33.41871
4/23/08 11:59	016	5703191	Normal	OK	20°C	60%	OK	OK	149	-	-81.68529	33.41871
4/23/08 12:08	003	5703187	Normal	OK	20°C	62%	OK	OK	146	-	-81.62282	33.6833
4/23/08 12:08	005	5703190	Normal	OK	20°C	64%	OK	OK	139	-	-81.62282	33.6833
4/23/08 12:08	009	5703201	Normal	OK	20°C	64%	OK	OK	150	-	-81.62282	33.6833
4/23/08 12:08	010	5703200	Normal	OK	20°C	64%	OK	OK	150	-	-81.62282	33.6833
4/23/08 12:08	012	5703198	Normal	OK	20°C	64%	OK	OK	147	-	-81.62282	33.6833
4/23/08 12:08	015	5703195	Normal	OK	20°C	61%	OK	OK	149	-	-81.62282	33.6833
4/23/08 12:09	006	5703179	Normal	OK	20°C	62%	OK	OK	150	-	-81.62282	33.6833
4/23/08 12:09	007	5703202	Normal	OK	20°C	63%	OK	OK	150	-	-81.62282	33.6833
4/23/08 12:09	008	5703180	Normal	OK	20°C	64%	OK	OK	146	-	-81.62282	33.6833
4/23/08 12:09	011	5703199	Normal	OK	20°C	65%	OK	OK	146	-	-81.62282	33.6833
4/23/08 12:09	013	5703197	Normal	OK	21°C	60%	OK	OK	150	-	-81.62282	33.6833
4/23/08 12:09	014	5703196	Normal	OK	20°C	60%	OK	OK	150	-	-81.62282	33.6833
4/23/08 12:09	016	5703191	Normal	OK	20°C	60%	OK	OK	149	-	-81.62282	33.6833
4/23/08 12:10	004	5703188	Normal	OK	20°C	64%	OK	OK	142	-	-81.62282	33.6833
4/23/08 12:18	003	5703187	Normal	OK	20°C	62%	OK	OK	146	-	-81.62282	33.6833
4/23/08 12:18	005	5703190	Normal	OK	20°C	64%	OK	OK	139	-	-81.62282	33.6833
4/23/08 12:18	009	5703201	Normal	OK	20°C	63%	OK	OK	150	-	-81.62282	33.6833
4/23/08 12:18	010	5703200	Normal	OK	20°C	64%	OK	OK	150	-	-81.62282	33.6833
4/23/08 12:18	012	5703198	Normal	OK	20°C	64%	OK	OK	147	-	-81.62282	33.6833
4/23/08 12:18	015	5703195	Normal	OK	21°C	61%	OK	OK	149	-	-81.62282	33.6833
4/23/08 12:19	006	5703179	Normal	OK	21°C	61%	OK	OK	150	-	-81.62282	33.6833
4/23/08 12:19	007	5703202	Normal	OK	20°C	63%	OK	OK	150	-	-81.62282	33.6833
4/23/08 12:19	008	5703180	Normal	OK	21°C	63%	OK	OK	146	-	-81.62282	33.6833
4/23/08 12:19	011	5703199	Normal	OK	20°C	65%	OK	OK	146	-	-81.62282	33.6833
4/23/08 12:19	013	5703197	Normal	OK	21°C	61%	OK	OK	150	-	-81.62282	33.6833
4/23/08 12:19	014	5703196	Normal	OK	21°C	60%	OK	OK	150	-	-81.62282	33.6833
4/23/08 12:19	016	5703191	Normal	OK	21°C	60%	OK	OK	149	-	-81.62282	33.6833
4/23/08 12:20	004	5703188	Normal	OK	20°C	63%	OK	OK	142	-	-81.62282	33.6833
4/23/08 12:31	005	5703190	Normal	OK	21°C	63%	OK	OK	138	-	-81.62282	33.6833
4/23/08 12:31	006	5703179	Normal	OK	21°C	61%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:31	008	5703180	Normal	OK	21°C	63%	OK	OK	144	-	-81.62282	33.6833
4/23/08 12:32	009	5703201	Normal	OK	20°C	63%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:32	013	5703197	Normal	OK	22°C	60%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:32	015	5703195	Normal	OK	21°C	60%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:33	007	5703202	Normal	OK	21°C	63%	OK	OK	143	-	-81.62282	33.6833
4/23/08 12:33	012	5703198	Normal	OK	21°C	63%	OK	OK	147	-	-81.62282	33.6833
4/23/08 12:33	014	5703196	Normal	OK	21°C	59%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:33	016	5703191	Normal	OK	21°C	60%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:34	003	5703187	Normal	OK	21°C	61%	OK	OK	143	-	-81.62282	33.6833
4/23/08 12:34	004	5703188	Normal	OK	21°C	63%	OK	OK	144	-	-81.62282	33.6833
4/23/08 12:34	011	5703199	Normal	OK	21°C	63%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:35	010	5703200	Normal	OK	21°C	63%	OK	OK	147	-	-81.62282	33.6833
4/23/08 12:38	005	5703190	Normal	OK	21°C	63%	OK	OK	138	-	-81.62282	33.6833
4/23/08 12:45	005	5703190	Normal	OK	21°C	62%	OK	OK	138	-	-81.62282	33.6833
4/23/08 12:45	006	5703179	Normal	OK	22°C	60%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:45	008	5703180	Normal	OK	21°C	63%	OK	OK	144	-	-81.62282	33.6833
4/23/08 12:45	009	5703201	Normal	OK	21°C	62%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:45	013	5703197	Normal	OK	22°C	60%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:45	014	5703196	Normal	OK	21°C	59%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:45	015	5703195	Normal	OK	22°C	60%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:45	016	5703191	Normal	OK	21°C	59%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:46	003	5703187	Normal	OK	21°C	60%	OK	OK	143	-	-81.62282	33.6833
4/23/08 12:46	004	5703188	Normal	OK	21°C	62%	OK	OK	144	-	-81.62282	33.6833
4/23/08 12:46	007	5703202	Normal	OK	21°C	62%	OK	OK	143	-	-81.62282	33.6833
4/23/08 12:46	010	5703200	Normal	OK	21°C	63%	OK	OK	147	-	-81.62282	33.6833
4/23/08 12:46	011	5703199	Normal	OK	21°C	63%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:46	012	5703198	Normal	OK	21°C	63%	OK	OK	147	-	-81.62282	33.6833
4/23/08 12:55	005	5703190	Normal	OK	21°C	62%	OK	OK	138	-	-81.62282	33.6833
4/23/08 12:55	006	5703179	Normal	OK	22°C	60%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:55	008	5703180	Normal	OK	21°C	62%	OK	OK	144	-	-81.62282	33.6833
4/23/08 12:55	009	5703201	Normal	OK	21°C	62%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:55	013	5703197	Normal	OK	22°C	59%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:55	015	5703195	Normal	OK	22°C	60%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:55	016	5703191	Normal	OK	22°C	59%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:56	003	5703187	Normal	OK	21°C	60%	OK	OK	143	-	-81.62282	33.6833
4/23/08 12:56	004	5703188	Normal	OK	21°C	61%	OK	OK	144	-	-81.62282	33.6833
4/23/08 12:56	007	5703202	Normal	OK	21°C	62%	OK	OK	143	-	-81.62282	33.6833
4/23/08 12:56	010	5703200	Normal	OK	21°C	63%	OK	OK	147	-	-81.62282	33.6833
4/23/08 12:56	011	5703199	Normal	OK	21°C	63%	OK	OK	148	-	-81.62282	33.6833
4/23/08 12:56	012	5703198	Normal	OK	21°C	62%	OK	OK	147	-	-81.62282	33.6833
4/23/08 12:56	014	5703196	Normal	OK	22°C	58%	OK	OK	148	-	-81.62282	33.6833
4/23/08 13:05	005	5703190	Normal	OK	22°C	61%	OK	OK	138	-	-81.28482	34.16427
4/23/08 13:05	006	5703179	Normal	OK	22°C	59%	OK	OK	148	-	-81.28482	34.16427
4/23/08 13:05	008	5703180	Normal	OK	22°C	62%	OK	OK	144	-	-81.28482	34.16427
4/23/08 13:05	013	5703197	Normal	OK	22°C	59%	OK	OK	148	-	-81.28482	34.16427
4/23/08 13:05	015	5703195	Normal	OK	22°C	60%	OK	OK	148	-	-81.28482	34.16427
4/23/08 13:06	003	5703187	Normal	OK	21°C	60%	OK	OK	143	-	-81.28482	34.16427
4/23/08 13:06	004	5703188	Normal	OK	22°C	60%	OK	OK	144	-	-81.28482	34.16427
4/23/08 13:06	007	5703202	Normal	OK	21°C	61%	OK	OK	143	-	-81.28482	34.16427

Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/23/08 13:06	009	5703201	Normal	OK	21°C	61%	OK	OK	148	-	-81.28482	34.16427
4/23/08 13:06	010	5703200	Normal	OK	21°C	63%	OK	OK	147	-	-81.28482	34.16427
4/23/08 13:06	011	5703199	Normal	OK	21°C	63%	OK	OK	148	-	-81.28482	34.16427
4/23/08 13:06	012	5703198	Normal	OK	21°C	62%	OK	OK	147	-	-81.28482	34.16427
4/23/08 13:06	014	5703196	Normal	OK	22°C	58%	OK	OK	148	-	-81.28482	34.16427
4/23/08 13:06	016	5703191	Normal	OK	22°C	59%	OK	OK	148	-	-81.28482	34.16427
4/23/08 14:01	006	5703179	Normal	OK	23°C	57%	OK	OK	147	-	-81.28482	34.16427
4/23/08 14:02	003	5703187	Normal	OK	22°C	58%	OK	OK	140	-	-81.28482	34.16427
4/23/08 14:02	009	5703201	Normal	OK	22°C	60%	OK	OK	142	-	-81.28482	34.16427
4/23/08 14:02	011	5703199	Normal	OK	22°C	61%	OK	OK	147	-	-81.28482	34.16427
4/23/08 14:02	016	5703191	Normal	OK	22°C	57%	OK	OK	148	-	-81.28482	34.16427
4/23/08 14:03	004	5703188	Normal	OK	22°C	59%	OK	OK	142	-	-81.28482	34.16427
4/23/08 14:03	012	5703198	Normal	OK	22°C	60%	OK	OK	143	-	-81.28482	34.16427
4/23/08 14:03	013	5703197	Normal	OK	23°C	58%	OK	OK	147	-	-81.28482	34.16427
4/23/08 14:03	015	5703195	Normal	OK	23°C	59%	OK	OK	147	-	-81.90052	34.61638
4/23/08 14:04	005	5703190	Normal	OK	23°C	60%	OK	OK	137	-	-81.90052	34.61638
4/23/08 14:04	007	5703202	Normal	OK	22°C	60%	OK	OK	147	-	-81.90052	34.61638
4/23/08 14:04	008	5703180	Normal	OK	22°C	60%	OK	OK	146	-	-81.90052	34.61638
4/23/08 14:04	010	5703200	Normal	OK	22°C	61%	OK	OK	147	-	-81.90052	34.61638
4/23/08 14:04	014	5703196	Normal	OK	22°C	57%	OK	OK	147	-	-81.90052	34.61638
4/23/08 14:06	013	5703197	Alarm	OK	23°C	58%	Shocked	OK	143	Shock (Staged)	-81.90052	34.61638
4/23/08 14:06	013	5703197	Alarm	OK	23°C	58%	OK	OK	143	Shock (Staged)	-81.90052	34.61638
4/23/08 14:08	013	5703197	Normal	OK	23°C	58%	OK	OK	143	-	-81.90052	34.61638
4/23/08 14:25	003	5703187	Normal	OK	23°C	58%	OK	OK	140	-	-81.90052	34.61638
4/23/08 14:25	009	5703201	Normal	OK	22°C	60%	OK	OK	142	-	-81.90052	34.61638
4/23/08 14:25	011	5703199	Normal	OK	22°C	60%	OK	OK	147	-	-81.90052	34.61638
4/23/08 14:25	012	5703198	Normal	OK	22°C	60%	OK	OK	143	-	-81.90052	34.61638
4/23/08 14:25	013	5703197	Normal	OK	23°C	57%	OK	OK	143	-	-81.90052	34.61638
4/23/08 14:25	016	5703191	Normal	OK	23°C	57%	OK	OK	148	-	-81.90052	34.61638
4/23/08 14:58	011	5703199	Normal	OK	23°C	60%	OK	OK	147	-	-81.90052	34.61638
4/23/08 14:59	008	5703180	Normal	OK	23°C	59%	OK	OK	142	-	-81.90052	34.61638
4/23/08 14:59	012	5703198	Normal	OK	23°C	59%	OK	OK	144	-	-81.90052	34.61638
4/23/08 14:59	015	5703195	Normal	OK	24°C	57%	OK	OK	147	-	-81.90052	34.61638
4/23/08 15:00	009	5703201	Normal	OK	23°C	59%	OK	OK	147	-	-81.90052	34.61638
4/23/08 15:00	013	5703197	Normal	OK	24°C	57%	OK	OK	147	-	-81.90052	34.61638
4/23/08 15:01	003	5703187	Normal	OK	23°C	57%	OK	OK	136	-	-81.90052	34.61638
4/23/08 15:01	005	5703190	Normal	OK	24°C	58%	OK	OK	135	-	-81.90052	34.61638
4/23/08 15:01	010	5703200	Normal	OK	23°C	60%	OK	OK	147	-	-81.90052	34.61638
4/23/08 15:02	004	5703188	Normal	OK	24°C	57%	OK	OK	116	-	-81.90052	34.61638
4/23/08 15:02	006	5703179	Normal	OK	24°C	56%	OK	OK	147	-	-81.90052	34.61638
4/23/08 15:02	007	5703202	Normal	OK	23°C	58%	OK	OK	142	-	-81.90052	34.61638
4/23/08 15:02	014	5703196	Normal	OK	24°C	56%	OK	OK	147	-	-81.90052	34.61638
4/23/08 15:02	016	5703191	Normal	OK	24°C	57%	OK	OK	147	-	-81.90052	34.61638
4/23/08 15:13	008	5703180	Normal	OK	24°C	59%	OK	OK	142	-	-82.46968	35.37005
4/23/08 15:14	003	5703187	Normal	OK	24°C	57%	OK	OK	136	-	-82.46968	35.37005
4/23/08 15:14	005	5703190	Normal	OK	24°C	57%	OK	OK	135	-	-82.46968	35.37005
4/23/08 15:14	006	5703179	Normal	OK	24°C	56%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:14	007	5703202	Normal	OK	23°C	58%	OK	OK	142	-	-82.46968	35.37005
4/23/08 15:14	010	5703200	Normal	OK	23°C	60%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:14	013	5703197	Normal	OK	24°C	57%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:14	014	5703196	Normal	OK	24°C	56%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:14	016	5703191	Normal	OK	24°C	56%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:15	004	5703188	Normal	OK	24°C	57%	OK	OK	116	-	-82.46968	35.37005
4/23/08 15:23	005	5703190	Normal	OK	24°C	57%	OK	OK	135	-	-82.46968	35.37005
4/23/08 15:23	008	5703180	Normal	OK	24°C	58%	OK	OK	142	-	-82.46968	35.37005
4/23/08 15:23	009	5703201	Normal	OK	23°C	58%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:23	011	5703199	Normal	OK	23°C	59%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:23	012	5703198	Normal	OK	23°C	58%	OK	OK	144	-	-82.46968	35.37005
4/23/08 15:23	013	5703197	Normal	OK	24°C	56%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:23	015	5703195	Normal	OK	24°C	57%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:24	003	5703187	Normal	OK	24°C	56%	OK	OK	136	-	-82.46968	35.37005
4/23/08 15:24	004	5703188	Normal	OK	24°C	57%	OK	OK	116	-	-82.46968	35.37005
4/23/08 15:24	006	5703179	Normal	OK	24°C	56%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:24	007	5703202	Normal	OK	24°C	57%	OK	OK	142	-	-82.46968	35.37005
4/23/08 15:24	010	5703200	Normal	OK	23°C	60%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:24	014	5703196	Normal	OK	24°C	55%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:24	016	5703191	Normal	OK	24°C	56%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:34	003	5703187	Normal	OK	24°C	56%	OK	OK	136	-	-82.46968	35.37005
4/23/08 15:34	005	5703190	Normal	OK	24°C	57%	OK	OK	135	-	-82.46968	35.37005
4/23/08 15:34	010	5703200	Normal	OK	24°C	60%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:34	013	5703197	Normal	OK	24°C	56%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:35	004	5703188	Normal	OK	24°C	57%	OK	OK	116	-	-82.46968	35.37005
4/23/08 15:35	006	5703179	Normal	OK	25°C	56%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:35	007	5703202	Normal	OK	24°C	57%	OK	OK	142	-	-82.46968	35.37005
4/23/08 15:35	014	5703196	Normal	OK	24°C	55%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:35	016	5703191	Normal	OK	24°C	56%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:43	003	5703187	Normal	OK	24°C	56%	OK	OK	136	-	-82.46968	35.37005
4/23/08 15:43	005	5703190	Normal	OK	24°C	57%	OK	OK	135	-	-82.46968	35.37005
4/23/08 15:43	008	5703180	Normal	OK	24°C	58%	OK	OK	142	-	-82.46968	35.37005
4/23/08 15:43	009	5703201	Normal	OK	23°C	57%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:43	011	5703199	Normal	OK	24°C	59%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:43	012	5703198	Normal	OK	24°C	58%	OK	OK	144	-	-82.46968	35.37005

Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/23/08 15:43	013	5703197	No Response	-	-	-	-	-	0	Alarm - Momentary NR	-82.18715	35.21572
4/23/08 15:43	015	5703195	Normal	OK	24°C	57%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:44	004	5703188	Normal	OK	24°C	56%	OK	OK	116	-	-82.46968	35.37005
4/23/08 15:44	006	5703179	Normal	OK	25°C	55%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:44	007	5703202	Normal	OK	24°C	57%	OK	OK	142	-	-82.46968	35.37005
4/23/08 15:44	010	5703200	Normal	OK	24°C	59%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:44	014	5703196	Normal	OK	24°C	55%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:44	016	5703191	Normal	OK	24°C	56%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:53	008	5703180	Normal	OK	24°C	57%	OK	OK	142	-	-82.46968	35.37005
4/23/08 15:53	009	5703201	Normal	OK	24°C	57%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:53	011	5703199	Normal	OK	24°C	58%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:53	012	5703198	Normal	OK	24°C	57%	OK	OK	144	-	-82.46968	35.37005
4/23/08 15:53	015	5703195	Normal	OK	24°C	56%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:54	003	5703187	Normal	OK	24°C	56%	OK	OK	136	-	-82.46968	35.37005
4/23/08 15:54	005	5703190	Normal	OK	25°C	56%	OK	OK	135	-	-82.46968	35.37005
4/23/08 15:54	006	5703179	Normal	OK	25°C	55%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:54	007	5703202	Normal	OK	24°C	57%	OK	OK	142	-	-82.46968	35.37005
4/23/08 15:54	010	5703200	Normal	OK	24°C	59%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:54	014	5703196	Normal	OK	24°C	54%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:54	016	5703191	Normal	OK	24°C	55%	OK	OK	147	-	-82.46968	35.37005
4/23/08 15:55	004	5703188	Normal	OK	25°C	56%	OK	OK	116	-	-82.46968	35.37005
4/23/08 16:17	004	5703188	Normal	OK	25°C	55%	OK	OK	116	-	-82.90736	35.54503
4/23/08 16:17	006	5703179	Normal	OK	25°C	54%	OK	OK	147	-	-82.90736	35.54503
4/23/08 16:17	007	5703202	Normal	OK	25°C	56%	OK	OK	142	-	-82.90736	35.54503
4/23/08 16:17	008	5703180	Normal	OK	25°C	57%	OK	OK	142	-	-82.90736	35.54503
4/23/08 16:17	011	5703199	Normal	OK	24°C	57%	OK	OK	147	-	-82.90736	35.54503
4/23/08 16:17	014	5703196	Normal	OK	25°C	54%	OK	OK	147	-	-82.90736	35.54503
4/23/08 16:17	016	5703191	Normal	OK	25°C	55%	OK	OK	147	-	-82.90736	35.54503
4/23/08 16:18	003	5703187	Normal	OK	25°C	55%	OK	OK	0	-	-82.90736	35.54503
4/23/08 16:18	005	5703190	Normal	OK	25°C	56%	OK	OK	0	-	-82.90736	35.54503
4/23/08 16:19	009	5703201	Normal	OK	24°C	57%	OK	OK	0	-	-82.90736	35.54503
4/23/08 16:19	010	5703200	Normal	OK	24°C	58%	OK	OK	0	-	-82.90736	35.54503
4/23/08 16:19	012	5703198	Normal	OK	24°C	57%	OK	OK	0	-	-82.90736	35.54503
4/23/08 16:28	003	5703187	Normal	OK	25°C	55%	OK	OK	0	-	-82.90736	35.54503
4/23/08 16:28	005	5703190	Normal	OK	25°C	55%	OK	OK	0	-	-82.90736	35.54503
4/23/08 16:28	009	5703201	Normal	OK	24°C	56%	OK	OK	0	-	-82.90736	35.54503
4/23/08 16:28	010	5703200	Normal	OK	24°C	58%	OK	OK	0	-	-82.90736	35.54503
4/23/08 16:28	012	5703198	Normal	OK	24°C	57%	OK	OK	0	-	-82.90736	35.54503
4/23/08 16:28	015	5703195	Normal	OK	25°C	56%	OK	OK	147	-	-82.90736	35.54503
4/23/08 16:29	004	5703188	Normal	OK	25°C	54%	OK	OK	116	-	-82.90736	35.54503
4/23/08 16:29	006	5703179	Normal	OK	26°C	54%	OK	OK	147	-	-82.90736	35.54503
4/23/08 16:29	007	5703202	Normal	OK	25°C	56%	OK	OK	142	-	-82.90736	35.54503
4/23/08 16:29	014	5703196	Normal	OK	25°C	53%	OK	OK	147	-	-82.90736	35.54503
4/23/08 16:29	016	5703191	Normal	OK	25°C	54%	OK	OK	147	-	-82.90736	35.54503
4/23/08 16:58	012	5703198	Normal	OK	25°C	50%	OK	OK	134	-	-82.90736	35.54503
4/23/08 16:59	004	5703188	Normal	OK	25°C	50%	OK	OK	124	-	-82.90736	35.54503
4/23/08 16:59	005	5703190	Normal	OK	25°C	50%	OK	OK	132	-	-82.90736	35.54503
4/23/08 16:59	006	5703179	Normal	OK	26°C	49%	OK	OK	141	-	-82.90736	35.54503
4/23/08 16:59	010	5703200	Normal	OK	25°C	51%	OK	OK	147	-	-82.90736	35.54503
4/23/08 17:00	009	5703201	Normal	OK	24°C	50%	OK	OK	147	-	-82.90736	35.54503
4/23/08 17:00	011	5703199	Normal	OK	25°C	51%	OK	OK	147	-	-82.90736	35.54503
4/23/08 17:00	014	5703196	Normal	OK	25°C	49%	OK	OK	141	-	-82.90736	35.54503
4/23/08 17:00	015	5703195	Normal	OK	25°C	50%	OK	OK	141	-	-82.90736	35.54503
4/23/08 17:01	003	5703187	Normal	OK	25°C	50%	OK	OK	143	-	-82.90736	35.54503
4/23/08 17:01	007	5703202	Normal	OK	25°C	50%	OK	OK	147	-	-82.90736	35.54503
4/23/08 17:01	008	5703180	Normal	OK	25°C	50%	OK	OK	141	-	-82.90736	35.54503
4/23/08 17:01	016	5703191	Normal	OK	25°C	50%	OK	OK	147	-	-82.90736	35.54503
4/23/08 17:12	004	5703188	Normal	OK	25°C	50%	OK	OK	124	-	-83.39167	36.06594
4/23/08 17:12	005	5703190	Normal	OK	25°C	50%	OK	OK	132	-	-83.39167	36.06594
4/23/08 17:12	006	5703179	Normal	OK	26°C	49%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:12	009	5703201	Normal	OK	24°C	50%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:12	010	5703200	Normal	OK	25°C	51%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:12	011	5703199	Normal	OK	25°C	51%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:12	012	5703198	Normal	OK	25°C	50%	OK	OK	134	-	-83.39167	36.06594
4/23/08 17:12	014	5703196	Normal	OK	25°C	49%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:12	015	5703195	Normal	OK	25°C	50%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:13	003	5703187	Normal	OK	25°C	50%	OK	OK	143	-	-83.39167	36.06594
4/23/08 17:13	007	5703202	Normal	OK	25°C	50%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:13	008	5703180	Normal	OK	25°C	50%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:13	016	5703191	Normal	OK	25°C	50%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:22	004	5703188	Normal	OK	26°C	50%	OK	OK	124	-	-83.39167	36.06594
4/23/08 17:22	005	5703190	Normal	OK	25°C	50%	OK	OK	132	-	-83.39167	36.06594
4/23/08 17:22	006	5703179	Normal	OK	26°C	48%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:22	010	5703200	Normal	OK	25°C	52%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:22	012	5703198	Normal	OK	25°C	50%	OK	OK	134	-	-83.39167	36.06594
4/23/08 17:23	007	5703202	Normal	OK	25°C	49%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:23	009	5703201	Normal	OK	24°C	50%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:23	011	5703199	Normal	OK	25°C	51%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:23	014	5703196	Normal	OK	25°C	49%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:23	015	5703195	Normal	OK	25°C	50%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:24	003	5703187	Normal	OK	25°C	50%	OK	OK	143	-	-83.39167	36.06594
4/23/08 17:24	008	5703180	Normal	OK	25°C	50%	OK	OK	141	-	-83.39167	36.06594

Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/23/08 17:24	016	5703191	Normal	OK	25°C	50%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:32	004	5703188	Normal	OK	26°C	50%	OK	OK	124	-	-83.39167	36.06594
4/23/08 17:32	005	5703190	Normal	OK	26°C	50%	OK	OK	132	-	-83.39167	36.06594
4/23/08 17:32	006	5703179	Normal	OK	26°C	48%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:32	009	5703201	Normal	OK	25°C	50%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:32	010	5703200	Normal	OK	25°C	52%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:32	011	5703199	Normal	OK	25°C	52%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:32	012	5703198	Normal	OK	25°C	51%	OK	OK	134	-	-83.39167	36.06594
4/23/08 17:32	014	5703196	Normal	OK	25°C	49%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:33	003	5703187	Normal	OK	25°C	50%	OK	OK	143	-	-83.39167	36.06594
4/23/08 17:33	007	5703202	Normal	OK	25°C	50%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:33	008	5703180	Normal	OK	25°C	51%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:33	015	5703195	Normal	OK	25°C	50%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:33	016	5703191	Normal	OK	25°C	50%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:40	007	5703202	Alarm	OK	25°C	50%	Shocked	OK	141	Road-induced (>10)	-83.39167	36.06594
4/23/08 17:40	007	5703202	Alarm	OK	25°C	50%	OK	OK	141	Alarm	-83.39167	36.06594
4/23/08 17:42	005	5703190	Normal	OK	26°C	50%	OK	OK	132	-	-83.39167	36.06594
4/23/08 17:42	012	5703198	Normal	OK	25°C	51%	OK	OK	134	-	-83.39167	36.06594
4/23/08 17:44	003	5703187	Normal	OK	26°C	50%	OK	OK	143	-	-83.39167	36.06594
4/23/08 17:44	007	5703202	Alarm	OK	26°C	50%	Shocked	OK	141	Reset	-83.39167	36.06594
4/23/08 17:44	008	5703180	Normal	OK	25°C	52%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:44	016	5703191	Normal	OK	25°C	50%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:45	007	5703202	Normal	OK	26°C	50%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:52	004	5703188	Normal	OK	26°C	50%	OK	OK	124	-	-83.39167	36.06594
4/23/08 17:52	005	5703190	Normal	OK	26°C	50%	OK	OK	132	-	-83.39167	36.06594
4/23/08 17:52	006	5703179	Normal	OK	26°C	50%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:52	009	5703201	Normal	OK	25°C	51%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:52	010	5703200	Normal	OK	25°C	53%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:52	011	5703199	Normal	OK	25°C	52%	OK	OK	147	-	-83.39167	36.06594
4/23/08 17:52	012	5703198	Normal	OK	25°C	52%	OK	OK	134	-	-83.39167	36.06594
4/23/08 17:52	014	5703196	Normal	OK	26°C	49%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:52	015	5703195	Normal	OK	26°C	51%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:53	003	5703187	Normal	OK	26°C	50%	OK	OK	143	-	-83.39167	36.06594
4/23/08 17:53	007	5703202	Normal	OK	26°C	50%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:53	008	5703180	Normal	OK	26°C	52%	OK	OK	141	-	-83.39167	36.06594
4/23/08 17:53	016	5703191	Normal	OK	26°C	50%	OK	OK	147	-	-83.39167	36.06594
4/23/08 18:00	007	5703202	Alarm	OK	26°C	50%	OK	OK	142	Road-induced (>10)	-83.39167	36.06594
4/23/08 18:01	007	5703202	Alarm	OK	26°C	50%	Shocked	OK	142	Alarm	-83.39167	36.06594
4/23/08 18:02	003	5703187	Normal	OK	26°C	50%	OK	OK	143	-	-83.39167	36.06594
4/23/08 18:02	005	5703190	Normal	OK	26°C	50%	OK	OK	132	-	-83.39167	36.06594
4/23/08 18:02	006	5703179	Normal	OK	27°C	50%	OK	OK	141	-	-83.39167	36.06594
4/23/08 18:02	007	5703202	Alarm	OK	26°C	50%	Shocked	OK	142	Reset	-83.39167	36.06594
4/23/08 18:02	009	5703201	Normal	OK	25°C	51%	OK	OK	147	-	-83.39167	36.06594
4/23/08 18:02	010	5703200	Normal	OK	25°C	52%	OK	OK	147	-	-83.39167	36.06594
4/23/08 18:02	011	5703199	Normal	OK	26°C	52%	OK	OK	147	-	-83.39167	36.06594
4/23/08 18:02	012	5703198	Normal	OK	25°C	52%	OK	OK	134	-	-83.39167	36.06594
4/23/08 18:02	014	5703196	Normal	OK	26°C	49%	OK	OK	141	-	-83.39167	36.06594
4/23/08 18:02	015	5703195	Normal	OK	26°C	51%	OK	OK	141	-	-83.39167	36.06594
4/23/08 18:02	016	5703191	Normal	OK	26°C	50%	OK	OK	147	-	-83.39167	36.06594
4/23/08 18:03	008	5703180	Normal	OK	26°C	52%	OK	OK	141	-	-83.39167	36.06594
4/23/08 18:06	007	5703202	Normal	OK	26°C	50%	OK	OK	142	-	-84.22899	35.99915
4/23/08 18:09	007	5703202	Normal	OK	26°C	50%	OK	OK	142	-	-84.22899	35.99915
4/23/08 18:12	004	5703188	Normal	OK	26°C	50%	OK	OK	124	-	-84.22899	35.99915
4/23/08 18:12	005	5703190	Normal	OK	26°C	50%	OK	OK	132	-	-84.22899	35.99915
4/23/08 18:12	006	5703179	Normal	OK	27°C	50%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:12	009	5703201	Normal	OK	25°C	51%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:12	010	5703200	Normal	OK	26°C	52%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:12	011	5703199	Normal	OK	26°C	52%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:12	012	5703198	Normal	OK	26°C	52%	OK	OK	134	-	-84.22899	35.99915
4/23/08 18:12	014	5703196	Normal	OK	26°C	49%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:13	003	5703187	Normal	OK	26°C	50%	OK	OK	143	-	-84.22899	35.99915
4/23/08 18:13	007	5703202	Normal	OK	26°C	50%	OK	OK	142	-	-84.22899	35.99915
4/23/08 18:13	008	5703180	Normal	OK	26°C	52%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:13	015	5703195	Normal	OK	26°C	51%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:13	016	5703191	Normal	OK	26°C	50%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:22	003	5703187	Normal	OK	26°C	50%	OK	OK	143	-	-84.22899	35.99915
4/23/08 18:22	004	5703188	Normal	OK	27°C	50%	OK	OK	124	-	-84.22899	35.99915
4/23/08 18:22	005	5703190	Normal	OK	27°C	50%	OK	OK	132	-	-84.22899	35.99915
4/23/08 18:22	006	5703179	Normal	OK	27°C	50%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:22	007	5703202	Normal	OK	26°C	50%	OK	OK	142	-	-84.22899	35.99915
4/23/08 18:22	008	5703180	Normal	OK	26°C	52%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:22	009	5703201	Normal	OK	26°C	51%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:22	010	5703200	Normal	OK	26°C	52%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:22	011	5703199	Normal	OK	26°C	52%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:22	012	5703198	Normal	OK	26°C	52%	OK	OK	134	-	-84.22899	35.99915
4/23/08 18:22	014	5703196	Normal	OK	26°C	49%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:22	015	5703195	Normal	OK	26°C	51%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:22	016	5703191	Normal	OK	26°C	50%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:32	003	5703187	Normal	OK	27°C	50%	OK	OK	143	-	-84.22899	35.99915
4/23/08 18:32	004	5703188	Normal	OK	27°C	50%	OK	OK	124	-	-84.22899	35.99915
4/23/08 18:32	005	5703190	Normal	OK	27°C	50%	OK	OK	132	-	-84.22899	35.99915
4/23/08 18:32	006	5703179	Normal	OK	27°C	50%	OK	OK	141	-	-84.22899	35.99915

Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/23/08 18:32	007	5703202	Normal	OK	26°C	50%	OK	OK	142	-	-84.22899	35.99915
4/23/08 18:32	008	5703180	Normal	OK	26°C	52%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:32	009	5703201	Normal	OK	26°C	51%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:32	010	5703200	Normal	OK	26°C	53%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:32	011	5703199	Normal	OK	26°C	52%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:32	012	5703198	Normal	OK	26°C	52%	OK	OK	134	-	-84.22899	35.99915
4/23/08 18:32	014	5703196	Normal	OK	27°C	49%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:32	015	5703195	Normal	OK	27°C	51%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:32	016	5703191	Normal	OK	26°C	50%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:38	007	5703202	Alarm	OK	26°C	50%	Shocked	OK	140	Road-induced	-84.22899	35.99915
4/23/08 18:38	007	5703202	Alarm	OK	26°C	50%	OK	OK	140	Road-induced	-84.22899	35.99915
4/23/08 18:42	003	5703187	Normal	OK	27°C	50%	OK	OK	143	-	-84.22899	35.99915
4/23/08 18:42	004	5703188	Normal	OK	27°C	50%	OK	OK	124	-	-84.22899	35.99915
4/23/08 18:42	005	5703190	Normal	OK	27°C	50%	OK	OK	132	-	-84.22899	35.99915
4/23/08 18:42	006	5703179	Normal	OK	27°C	49%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:42	007	5703202	Alarm	OK	27°C	50%	Shocked	OK	140	Reset	-84.22899	35.99915
4/23/08 18:42	008	5703180	Normal	OK	27°C	52%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:42	009	5703201	Normal	OK	26°C	51%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:42	010	5703200	Normal	OK	26°C	53%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:42	011	5703199	Normal	OK	26°C	52%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:42	012	5703198	Normal	OK	26°C	51%	OK	OK	134	-	-84.22899	35.99915
4/23/08 18:42	014	5703196	Normal	OK	27°C	49%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:42	015	5703195	Normal	OK	27°C	51%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:42	016	5703191	Normal	OK	27°C	50%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:43	007	5703202	Normal	OK	27°C	50%	OK	OK	140	-	-84.22899	35.99915
4/23/08 18:52	003	5703187	Normal	OK	27°C	50%	OK	OK	143	-	-84.22899	35.99915
4/23/08 18:52	004	5703188	Normal	OK	27°C	50%	OK	OK	124	-	-84.22899	35.99915
4/23/08 18:52	005	5703190	Normal	OK	27°C	50%	OK	OK	132	-	-84.22899	35.99915
4/23/08 18:52	006	5703179	Normal	OK	28°C	50%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:52	007	5703202	Normal	OK	27°C	50%	OK	OK	140	-	-84.22899	35.99915
4/23/08 18:52	008	5703180	Normal	OK	27°C	52%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:52	009	5703201	Normal	OK	26°C	51%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:52	010	5703200	Normal	OK	26°C	53%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:52	011	5703199	Normal	OK	26°C	52%	OK	OK	147	-	-84.22899	35.99915
4/23/08 18:52	012	5703198	Normal	OK	26°C	51%	OK	OK	134	-	-84.22899	35.99915
4/23/08 18:52	014	5703196	Normal	OK	27°C	49%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:52	015	5703195	Normal	OK	27°C	51%	OK	OK	141	-	-84.22899	35.99915
4/23/08 18:52	016	5703191	Normal	OK	27°C	50%	OK	OK	147	-	-84.22899	35.99915
4/23/08 19:02	003	5703187	Normal	OK	27°C	50%	OK	OK	143	-	-84.22899	35.99915
4/23/08 19:02	004	5703188	Normal	OK	27°C	50%	OK	OK	124	-	-84.22899	35.99915
4/23/08 19:02	005	5703190	Normal	OK	27°C	50%	OK	OK	132	-	-84.22899	35.99915
4/23/08 19:02	006	5703179	Normal	OK	28°C	49%	OK	OK	141	-	-84.22899	35.99915
4/23/08 19:02	007	5703202	Normal	OK	27°C	50%	OK	OK	140	-	-84.22899	35.99915
4/23/08 19:02	008	5703180	Normal	OK	27°C	52%	OK	OK	141	-	-84.22899	35.99915
4/23/08 19:02	009	5703201	Normal	OK	26°C	51%	OK	OK	147	-	-84.22899	35.99915
4/23/08 19:02	010	5703200	Normal	OK	26°C	53%	OK	OK	147	-	-84.22899	35.99915
4/23/08 19:02	011	5703199	Normal	OK	27°C	52%	OK	OK	147	-	-84.22899	35.99915
4/23/08 19:02	012	5703198	Normal	OK	26°C	51%	OK	OK	134	-	-84.22899	35.99915
4/23/08 19:02	014	5703196	Normal	OK	27°C	49%	OK	OK	141	-	-84.22899	35.99915
4/23/08 19:02	015	5703195	Normal	OK	27°C	51%	OK	OK	141	-	-84.22899	35.99915
4/23/08 19:02	016	5703191	Normal	OK	27°C	50%	OK	OK	147	-	-84.22899	35.99915
4/24/08 8:23	003	5703187	Normal	OK	14°C	59%	OK	OK	151	-	-84.15472	35.95459
4/24/08 8:23	005	5703190	Normal	OK	14°C	58%	OK	OK	143	-	-84.15472	35.95459
4/24/08 8:23	006	5703179	Normal	OK	15°C	57%	OK	OK	151	-	-84.15472	35.95459
4/24/08 8:23	009	5703201	Normal	OK	15°C	56%	OK	OK	152	-	-84.15472	35.95459
4/24/08 8:23	011	5703199	Normal	OK	15°C	57%	OK	OK	152	-	-84.15472	35.95459
4/24/08 8:23	012	5703198	Normal	OK	15°C	57%	OK	OK	148	-	-84.15472	35.95459
4/24/08 8:23	013	5703197	Normal	OK	17°C	58%	OK	OK	148	-	-84.15472	35.95459
4/24/08 8:23	014	5703196	Normal	OK	15°C	57%	OK	OK	151	-	-84.15472	35.95459
4/24/08 8:23	015	5703195	Normal	OK	15°C	60%	OK	OK	148	-	-84.15472	35.95459
4/24/08 8:24	004	5703188	Normal	OK	14°C	57%	OK	OK	145	-	-84.15472	35.95459
4/24/08 8:24	007	5703202	Normal	OK	14°C	58%	OK	OK	152	-	-84.15472	35.95459
4/24/08 8:24	008	5703180	Normal	OK	15°C	59%	OK	OK	148	-	-84.15472	35.95459
4/24/08 8:24	010	5703200	Normal	OK	16°C	56%	OK	OK	151	-	-84.15472	35.95459
4/24/08 8:24	016	5703191	Normal	OK	15°C	58%	OK	OK	152	-	-84.15472	35.95459
4/24/08 8:34	003	5703187	Normal	OK	15°C	57%	OK	OK	151	-	-84.15472	35.95459
4/24/08 8:34	005	5703190	Normal	OK	15°C	59%	OK	OK	143	-	-84.15472	35.95459
4/24/08 8:34	006	5703179	Normal	OK	16°C	57%	OK	OK	151	-	-84.15472	35.95459
4/24/08 8:34	011	5703199	Normal	OK	16°C	57%	OK	OK	152	-	-84.15472	35.95459
4/24/08 8:34	012	5703198	Normal	OK	16°C	56%	OK	OK	148	-	-84.15472	35.95459
4/24/08 8:34	013	5703197	Normal	OK	18°C	53%	OK	OK	148	-	-84.15472	35.95459
4/24/08 8:34	014	5703196	Normal	OK	16°C	55%	OK	OK	151	-	-84.15472	35.95459
4/24/08 8:34	015	5703195	Normal	OK	16°C	56%	OK	OK	148	-	-84.15472	35.95459
4/24/08 8:35	004	5703188	Normal	OK	15°C	58%	OK	OK	145	-	-84.15472	35.95459
4/24/08 8:35	007	5703202	Normal	OK	15°C	58%	OK	OK	152	-	-84.15472	35.95459
4/24/08 8:35	008	5703180	Normal	OK	16°C	57%	OK	OK	148	-	-84.15472	35.95459
4/24/08 8:35	009	5703201	Normal	OK	15°C	55%	OK	OK	152	-	-84.15472	35.95459
4/24/08 8:35	010	5703200	Normal	OK	16°C	55%	OK	OK	151	-	-84.15472	35.95459
4/24/08 8:35	016	5703191	Normal	OK	16°C	56%	OK	OK	152	-	-84.15472	35.95459
4/24/08 8:38	003	5703187	Normal	OK	15°C	57%	OK	OK	151	Drum moved to NTRC	-84.22984	35.99858
4/24/08 8:38	004	5703188	Normal	OK	15°C	58%	OK	OK	145	Drum moved to NTRC	-84.22984	35.99858
4/24/08 8:38	005	5703190	Normal	OK	15°C	59%	OK	OK	143	Drum moved to NTRC	-84.22984	35.99858

Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/24/08 8:38	006	5703179	Normal	OK	16°C	57%	OK	OK	151	Drum moved to NTRC	-84.22984	35.99858
4/24/08 8:38	007	5703202	Normal	OK	15°C	58%	OK	OK	152	Drum moved to NTRC	-84.22984	35.99858
4/24/08 8:38	008	5703180	Normal	OK	16°C	57%	OK	OK	148	Drum moved to NTRC	-84.22984	35.99858
4/24/08 8:38	009	5703201	Normal	OK	15°C	55%	OK	OK	152	Drum moved to NTRC	-84.22984	35.99858
4/24/08 8:38	010	5703200	Normal	OK	16°C	55%	OK	OK	151	Drum moved to NTRC	-84.22984	35.99858
4/24/08 8:38	011	5703199	Normal	OK	16°C	57%	OK	OK	152	Drum moved to NTRC	-84.15472	35.95459
4/24/08 8:38	012	5703198	Normal	OK	16°C	56%	OK	OK	148	Drum moved to NTRC	-84.22984	35.99858
4/24/08 8:38	013	5703197	Normal	OK	18°C	53%	OK	OK	148	Drum moved to NTRC	-84.22984	35.99858
4/24/08 8:38	014	5703196	Normal	OK	16°C	55%	OK	OK	151	Drum moved to NTRC	-84.22984	35.99858
4/24/08 8:38	015	5703195	Normal	OK	16°C	56%	OK	OK	148	Drum moved to NTRC	-84.22984	35.99858
4/24/08 8:38	016	5703191	Normal	OK	16°C	56%	OK	OK	152	Drum moved to NTRC	-84.22984	35.99858
4/24/08 9:20	010	5703200	Normal	OK	18°C	65%	OK	OK	114	-	-84.22984	35.99858
4/24/08 9:21	003	5703187	Normal	OK	17°C	65%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:21	005	5703190	Warning	OK	17°C	Warning (67%)	OK	OK	117	-	-84.22984	35.99858
4/24/08 9:21	006	5703179	Normal	OK	18°C	63%	OK	OK	144	-	-84.22984	35.99858
4/24/08 9:21	008	5703180	Normal	OK	18°C	64%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:21	009	5703201	Normal	OK	17°C	64%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:21	012	5703198	Normal	OK	18°C	63%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:21	013	5703197	Alarm	OK	19°C	61%	OK	OK	143	Alarm	-84.22984	35.99858
4/24/08 9:21	013	5703197	Normal	OK	19°C	61%	OK	OK	140	-	-84.22984	35.99858
4/24/08 9:21	014	5703196	Normal	OK	18°C	60%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:21	015	5703195	Normal	OK	19°C	63%	OK	OK	139	-	-84.22984	35.99858
4/24/08 9:21	016	5703191	Alarm	OK	19°C	61%	OK	OK	142	Alarm	-84.22984	35.99858
4/24/08 9:21	016	5703191	Normal	OK	19°C	61%	OK	OK	147	-	-84.22984	35.99858
4/24/08 9:22	004	5703188	Warning	OK	17°C	Warning (67%)	OK	OK	138	-	-84.22984	35.99858
4/24/08 9:22	007	5703202	Normal	OK	17°C	64%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:22	011	5703199	Normal	OK	18°C	65%	OK	OK	147	-	-84.22984	35.99858
4/24/08 9:22	013	5703197	Normal	OK	19°C	60%	OK	OK	143	-	-84.22984	35.99858
4/24/08 9:22	016	5703191	Normal	OK	19°C	61%	OK	OK	142	-	-84.22984	35.99858
4/24/08 9:32	003	5703187	Normal	OK	18°C	63%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:32	005	5703190	Warning	OK	18°C	Warning (66%)	OK	OK	117	-	-84.22984	35.99858
4/24/08 9:32	006	5703179	Normal	OK	18°C	63%	OK	OK	144	-	-84.22984	35.99858
4/24/08 9:32	008	5703180	Normal	OK	19°C	63%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:32	009	5703201	Normal	OK	18°C	63%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:32	010	5703200	Normal	OK	19°C	64%	OK	OK	114	-	-84.22984	35.99858
4/24/08 9:32	011	5703199	Normal	OK	18°C	63%	OK	OK	147	-	-84.22984	35.99858
4/24/08 9:32	012	5703198	Normal	OK	18°C	63%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:32	013	5703197	Normal	OK	20°C	60%	OK	OK	143	-	-84.22984	35.99858
4/24/08 9:32	014	5703196	Normal	OK	19°C	59%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:32	015	5703195	Normal	OK	20°C	62%	OK	OK	139	-	-84.22984	35.99858
4/24/08 9:32	016	5703191	Normal	OK	19°C	60%	OK	OK	142	-	-84.22984	35.99858
4/24/08 9:33	004	5703188	Warning	OK	18°C	Warning (66%)	OK	OK	138	-	-84.22984	35.99858
4/24/08 9:33	007	5703202	Normal	OK	18°C	63%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:42	003	5703187	Normal	OK	19°C	63%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:42	005	5703190	Normal	OK	19°C	64%	OK	OK	117	-	-84.22984	35.99858
4/24/08 9:42	006	5703179	Normal	OK	19°C	62%	OK	OK	144	-	-84.22984	35.99858
4/24/08 9:42	008	5703180	Normal	OK	19°C	62%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:42	009	5703201	Normal	OK	19°C	62%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:42	010	5703200	Normal	OK	19°C	63%	OK	OK	114	-	-84.22984	35.99858
4/24/08 9:42	012	5703198	Normal	OK	19°C	62%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:42	013	5703197	Normal	OK	20°C	60%	OK	OK	143	-	-84.22984	35.99858
4/24/08 9:42	014	5703196	Normal	OK	20°C	59%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:42	015	5703195	Normal	OK	20°C	60%	OK	OK	139	-	-84.22984	35.99858
4/24/08 9:42	016	5703191	Normal	OK	20°C	59%	OK	OK	142	-	-84.22984	35.99858
4/24/08 9:43	004	5703188	Normal	OK	18°C	64%	OK	OK	138	-	-84.22984	35.99858
4/24/08 9:43	007	5703202	Normal	OK	18°C	63%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:43	011	5703199	Normal	OK	19°C	63%	OK	OK	147	-	-84.22984	35.99858
4/24/08 9:52	003	5703187	Normal	OK	20°C	60%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:52	004	5703188	Normal	OK	19°C	63%	OK	OK	138	-	-84.22984	35.99858
4/24/08 9:52	005	5703190	Normal	OK	19°C	63%	OK	OK	117	-	-84.22984	35.99858
4/24/08 9:52	006	5703179	Normal	OK	20°C	60%	OK	OK	144	-	-84.22984	35.99858
4/24/08 9:52	007	5703202	Normal	OK	19°C	62%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:52	008	5703180	Normal	OK	20°C	61%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:52	009	5703201	Normal	OK	19°C	60%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:52	010	5703200	Normal	OK	20°C	62%	OK	OK	114	-	-84.22984	35.99858
4/24/08 9:52	011	5703199	Normal	OK	19°C	62%	OK	OK	147	-	-84.22984	35.99858
4/24/08 9:52	012	5703198	Normal	OK	20°C	61%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:52	013	5703197	Normal	OK	20°C	59%	OK	OK	143	-	-84.22984	35.99858
4/24/08 9:52	014	5703196	Normal	OK	20°C	57%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:52	015	5703195	Normal	OK	21°C	59%	OK	OK	139	-	-84.22984	35.99858
4/24/08 9:52	016	5703191	Alarm	Open	20°C	59%	OK	OK	131	Seal Open (Staged)	-84.22984	35.99858
4/24/08 9:52	016	5703191	Alarm	Open	20°C	58%	OK	OK	131	Seal Open (Staged)	-84.22984	35.99858
4/24/08 9:57	016	5703191	Normal	OK	21°C	57%	OK	OK	131	-	-84.22984	35.99858
4/24/08 9:58	011	5703199	Alarm	OK	19°C	62%	Shocked	OK	145	Shock (Staged)	-84.22984	35.99858
4/24/08 9:58	011	5703199	Alarm	OK	19°C	62%	OK	OK	145	Alarm	-84.22984	35.99858
4/24/08 9:59	011	5703199	Normal	OK	20°C	61%	OK	OK	145	-	-84.22984	35.99858
4/24/08 10:00	013	5703197	Normal	OK	20°C	59%	OK	OK	143	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:00	013	5703197	Normal	OK	20°C	59%	OK	OK	143	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:00	014	5703196	Normal	OK	20°C	57%	OK	OK	146	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:00	014	5703196	Normal	OK	20°C	57%	OK	OK	146	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:01	009	5703201	Normal	OK	19°C	60%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:01	009	5703201	Normal	OK	19°C	60%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858

Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/24/08 10:01	012	5703198	Normal	OK	20°C	61%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:01	012	5703198	Normal	OK	20°C	61%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:02	003	5703187	Normal	OK	21°C	59%	OK	OK	145	-	-84.22984	35.99858
4/24/08 10:02	004	5703188	Normal	OK	20°C	62%	OK	OK	138	-	-84.22984	35.99858
4/24/08 10:02	005	5703190	Normal	OK	20°C	62%	OK	OK	117	-	-84.22984	35.99858
4/24/08 10:02	006	5703179	Normal	OK	21°C	59%	OK	OK	144	-	-84.22984	35.99858
4/24/08 10:02	007	5703202	Normal	OK	20°C	60%	OK	OK	146	-	-84.22984	35.99858
4/24/08 10:02	008	5703180	Normal	OK	20°C	62%	OK	OK	145	-	-84.22984	35.99858
4/24/08 10:02	009	5703201	Normal	OK	20°C	60%	OK	OK	141	-	-84.22984	35.99858
4/24/08 10:02	009	5703201	Normal	OK	19°C	60%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:02	009	5703201	Normal	OK	19°C	60%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:02	010	5703200	Normal	OK	20°C	60%	OK	OK	114	-	-84.22984	35.99858
4/24/08 10:02	011	5703199	Normal	OK	20°C	61%	OK	OK	145	-	-84.22984	35.99858
4/24/08 10:02	012	5703198	Normal	OK	20°C	60%	OK	OK	141	-	-84.22984	35.99858
4/24/08 10:02	013	5703197	Normal	OK	21°C	58%	OK	OK	143	-	-84.22984	35.99858
4/24/08 10:02	014	5703196	Normal	OK	20°C	57%	OK	OK	146	-	-84.22984	35.99858
4/24/08 10:02	015	5703195	Normal	OK	21°C	58%	OK	OK	139	-	-84.22984	35.99858
4/24/08 10:02	016	5703191	Normal	OK	21°C	57%	OK	OK	131	-	-84.22984	35.99858
4/24/08 10:09	012	5703198	Normal	OK	20°C	60%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	012	5703198	Normal	OK	20°C	60%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	013	5703197	Normal	OK	21°C	58%	OK	OK	143	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	013	5703197	Normal	OK	21°C	58%	OK	OK	143	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	014	5703196	Normal	OK	20°C	57%	OK	OK	146	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	014	5703196	Normal	OK	20°C	57%	OK	OK	146	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	015	5703195	Normal	OK	21°C	58%	OK	OK	139	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	015	5703195	Normal	OK	21°C	58%	OK	OK	139	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:10	014	5703196	Normal	OK	20°C	57%	OK	OK	146	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:10	014	5703196	Normal	OK	20°C	57%	OK	OK	146	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:10	016	5703191	Normal	OK	21°C	57%	OK	OK	131	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:10	016	5703191	Normal	OK	21°C	57%	OK	OK	131	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:11	003	5703187	Alarm	Open	21°C	59%	OK	OK	136	Tag pushed (NTRC)	-84.22984	35.99858
4/24/08 10:12	003	5703187	Alarm	Open	22°C	57%	OK	OK	136	Tag pushed (NTRC)	-84.22984	35.99858
4/24/08 10:12	005	5703190	Normal	OK	20°C	60%	OK	OK	117	-	-84.22984	35.99858
4/24/08 10:12	006	5703179	Normal	OK	21°C	57%	OK	OK	144	-	-84.22984	35.99858
4/24/08 10:12	008	5703180	Normal	OK	21°C	60%	OK	OK	145	-	-84.22984	35.99858
4/24/08 10:12	009	5703201	Normal	OK	20°C	59%	OK	OK	141	-	-84.22984	35.99858
4/24/08 10:12	010	5703200	Normal	OK	21°C	60%	OK	OK	114	-	-84.22984	35.99858
4/24/08 10:12	011	5703199	Normal	OK	20°C	60%	OK	OK	145	-	-84.22984	35.99858
4/24/08 10:12	012	5703198	Normal	OK	21°C	59%	OK	OK	141	-	-84.22984	35.99858
4/24/08 10:12	013	5703197	Normal	OK	21°C	57%	OK	OK	143	-	-84.22984	35.99858
4/24/08 10:12	014	5703196	Normal	OK	21°C	56%	OK	OK	146	-	-84.22984	35.99858
4/24/08 10:12	015	5703195	Normal	OK	21°C	57%	OK	OK	139	-	-84.22984	35.99858
4/24/08 10:12	016	5703191	Normal	OK	21°C	56%	OK	OK	131	-	-84.22984	35.99858
4/24/08 10:13	004	5703188	Normal	OK	20°C	60%	OK	OK	138	-	-84.22984	35.99858
4/24/08 10:13	007	5703202	Normal	OK	20°C	59%	OK	OK	146	-	-84.22984	35.99858
4/24/08 10:15	003	5703187	Alarm	Open	22°C	57%	OK	OK	136	Tag pushed (NTRC)	-84.22984	35.99858
4/24/08 10:15	004	5703188	Normal	OK	20°C	60%	OK	OK	138	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	005	5703190	Normal	OK	20°C	60%	OK	OK	117	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	006	5703179	Normal	OK	21°C	57%	OK	OK	144	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	007	5703202	Normal	OK	20°C	59%	OK	OK	146	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	008	5703180	Normal	OK	21°C	60%	OK	OK	145	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	009	5703201	Normal	OK	20°C	59%	OK	OK	141	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	010	5703200	Normal	OK	21°C	60%	OK	OK	114	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	011	5703199	Normal	OK	20°C	60%	OK	OK	145	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	012	5703198	Normal	OK	21°C	59%	OK	OK	141	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	013	5703197	Normal	OK	21°C	57%	OK	OK	143	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	014	5703196	Normal	OK	21°C	56%	OK	OK	146	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	015	5703195	Normal	OK	21°C	57%	OK	OK	139	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	016	5703191	Normal	OK	21°C	56%	OK	OK	131	Drum left NTRC	-84.22984	35.99858
4/24/08 13:56	004	5703188	Normal	OK	29°C	45%	OK	OK	141	-	-84.09519	36.18283
4/24/08 13:56	005	5703190	Normal	OK	29°C	45%	OK	OK	139	-	-84.09519	36.18283
4/24/08 13:56	007	5703202	Normal	OK	29°C	45%	OK	OK	145	-	-84.09519	36.18283
4/24/08 13:56	008	5703180	Normal	OK	29°C	43%	OK	OK	143	-	-84.09519	36.18283
4/24/08 13:56	009	5703201	Normal	OK	29°C	43%	OK	OK	143	-	-84.09519	36.18283
4/24/08 13:56	010	5703200	Normal	OK	29°C	41%	OK	OK	145	-	-84.09519	36.18283
4/24/08 13:56	012	5703198	Normal	OK	28°C	45%	OK	OK	145	-	-84.09519	36.18283
4/24/08 13:56	015	5703195	Normal	OK	29°C	45%	OK	OK	145	-	-84.09519	36.18283
4/24/08 13:56	016	5703191	Normal	OK	29°C	44%	OK	OK	145	-	-84.09519	36.18283
4/24/08 13:57	003	5703187	Normal	OK	30°C	45%	OK	OK	145	-	-84.09519	36.18283
4/24/08 13:57	006	5703179	Normal	OK	30°C	45%	OK	OK	137	-	-84.09519	36.18283
4/24/08 13:57	011	5703199	Normal	OK	29°C	46%	OK	OK	145	-	-84.09519	36.18283
4/24/08 13:57	013	5703197	Normal	OK	29°C	45%	OK	OK	145	-	-84.09519	36.18283
4/24/08 13:57	014	5703196	Normal	OK	29°C	43%	OK	OK	145	-	-84.09519	36.18283
4/24/08 14:06	010	5703200	Alarm	Open	29°C	41%	OK	OK	137	Seal Open (Staged)	-84.09519	36.18283
4/24/08 14:07	004	5703188	Normal	OK	29°C	45%	OK	OK	141	-	-84.09519	36.18283
4/24/08 14:07	005	5703190	Normal	OK	29°C	45%	OK	OK	139	-	-84.09519	36.18283
4/24/08 14:07	007	5703202	Normal	OK	30°C	46%	OK	OK	145	-	-84.09519	36.18283
4/24/08 14:07	008	5703180	Normal	OK	29°C	43%	OK	OK	143	-	-84.09519	36.18283
4/24/08 14:07	009	5703201	Normal	OK	29°C	43%	OK	OK	143	-	-84.09519	36.18283
4/24/08 14:07	010	5703200	Alarm	Open	30°C	41%	OK	OK	137	Reset	-84.09519	36.18283
4/24/08 14:07	012	5703198	Normal	OK	28°C	45%	OK	OK	145	-	-84.09519	36.18283
4/24/08 14:07	015	5703195	Normal	OK	29°C	45%	OK	OK	145	-	-84.09519	36.18283









Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/24/08 17:07	005	5703190	Normal	OK	30°C	45%	OK	OK	139	-	-84.85383	38.16107
4/24/08 17:07	007	5703202	Normal	OK	30°C	44%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:07	008	5703180	Normal	OK	30°C	45%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:07	009	5703201	Normal	OK	29°C	45%	OK	OK	143	-	-84.85383	38.16107
4/24/08 17:07	010	5703200	Normal	OK	30°C	46%	OK	OK	137	-	-84.85383	38.16107
4/24/08 17:07	012	5703198	Normal	OK	29°C	45%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:07	015	5703195	Normal	OK	30°C	45%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:08	003	5703187	Normal	OK	30°C	44%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:08	006	5703179	Normal	OK	31°C	44%	OK	OK	137	-	-84.85383	38.16107
4/24/08 17:08	011	5703199	Normal	OK	29°C	46%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:08	013	5703197	Normal	OK	30°C	45%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:08	014	5703196	Normal	OK	30°C	44%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:08	016	5703191	Normal	OK	30°C	44%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:10	003	5703187	Normal	OK	30°C	44%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:10	004	5703188	Normal	OK	30°C	45%	OK	OK	141	-	-84.85383	38.16107
4/24/08 17:10	006	5703179	Normal	OK	31°C	44%	OK	OK	137	-	-84.85383	38.16107
4/24/08 17:10	007	5703202	Normal	OK	30°C	44%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:10	008	5703180	Normal	OK	30°C	45%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:10	009	5703201	Normal	OK	29°C	45%	OK	OK	143	-	-84.85383	38.16107
4/24/08 17:10	010	5703200	Normal	OK	30°C	46%	OK	OK	137	-	-84.85383	38.16107
4/24/08 17:10	011	5703199	Normal	OK	29°C	46%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:10	013	5703197	Normal	OK	30°C	45%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:10	014	5703196	Normal	OK	30°C	44%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:10	015	5703195	Normal	OK	30°C	45%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:10	016	5703191	Normal	OK	30°C	44%	OK	OK	145	-	-84.85383	38.16107
4/24/08 17:11	005	5703190	Normal	OK	30°C	45%	OK	OK	139	-	-84.85383	38.16107
4/24/08 17:11	012	5703198	Normal	OK	29°C	45%	OK	OK	145	-	-84.85383	38.16107
4/25/08 8:09	008	5703180	Normal	OK	18°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:09	011	5703199	Normal	OK	18°C	49%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:10	003	5703187	Normal	OK	17°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:10	004	5703188	Normal	OK	17°C	50%	OK	OK	148	-	-86.45678	40.02931
4/25/08 8:10	005	5703190	Normal	OK	17°C	51%	OK	OK	147	-	-86.45678	40.02931
4/25/08 8:10	007	5703202	Normal	OK	17°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:10	009	5703201	Normal	OK	18°C	49%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:10	012	5703198	Normal	OK	18°C	49%	OK	OK	138	-	-86.45678	40.02931
4/25/08 8:10	013	5703197	Normal	OK	18°C	50%	OK	OK	130	-	-86.45678	40.02931
4/25/08 8:10	015	5703195	Normal	OK	18°C	50%	OK	OK	151	-	-86.45678	40.02931
4/25/08 8:10	016	5703191	Normal	OK	18°C	49%	OK	OK	148	-	-86.45678	40.02931
4/25/08 8:11	006	5703179	Normal	OK	18°C	50%	OK	OK	147	-	-86.45678	40.02931
4/25/08 8:11	010	5703200	Normal	OK	18°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:11	014	5703196	Normal	OK	17°C	49%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:21	003	5703187	Normal	OK	17°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:21	005	5703190	Normal	OK	17°C	52%	OK	OK	147	-	-86.45678	40.02931
4/25/08 8:21	007	5703202	Normal	OK	17°C	51%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:21	008	5703180	Normal	OK	18°C	51%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:21	009	5703201	Normal	OK	18°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:21	011	5703199	Normal	OK	18°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:21	012	5703198	No Response	-	-	-	-	-	-	Alarm - Momentary NR	-86.04705	39.86678
4/25/08 8:21	013	5703197	Normal	OK	18°C	50%	OK	OK	130	-	-86.45678	40.02931
4/25/08 8:21	015	5703195	Normal	OK	18°C	51%	OK	OK	151	-	-86.45678	40.02931
4/25/08 8:21	016	5703191	Normal	OK	18°C	50%	OK	OK	148	-	-86.45678	40.02931
4/25/08 8:22	004	5703188	Normal	OK	17°C	51%	OK	OK	148	-	-86.45678	40.02931
4/25/08 8:22	006	5703179	Normal	OK	18°C	50%	OK	OK	147	-	-86.45678	40.02931
4/25/08 8:22	010	5703200	Normal	OK	19°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:22	014	5703196	Normal	OK	18°C	49%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:23	012	5703198	Normal	OK	18°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:31	003	5703187	Normal	OK	18°C	51%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:31	004	5703188	Normal	OK	18°C	51%	OK	OK	148	-	-86.45678	40.02931
4/25/08 8:31	005	5703190	Normal	OK	18°C	52%	OK	OK	147	-	-86.45678	40.02931
4/25/08 8:31	006	5703179	Normal	OK	18°C	50%	OK	OK	147	-	-86.45678	40.02931
4/25/08 8:31	007	5703202	Normal	OK	17°C	52%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:31	008	5703180	Normal	OK	18°C	51%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:31	009	5703201	Normal	OK	18°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:31	010	5703200	Normal	OK	19°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:31	011	5703199	Normal	OK	19°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:31	012	5703198	Normal	OK	18°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:31	013	5703197	Normal	OK	18°C	51%	OK	OK	130	-	-86.45678	40.02931
4/25/08 8:31	014	5703196	Normal	OK	18°C	49%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:31	015	5703195	Normal	OK	18°C	51%	OK	OK	151	-	-86.45678	40.02931
4/25/08 8:31	016	5703191	Normal	OK	18°C	50%	OK	OK	148	-	-86.45678	40.02931
4/25/08 8:41	005	5703190	Normal	OK	18°C	53%	OK	OK	147	-	-86.45678	40.02931
4/25/08 8:41	007	5703202	Normal	OK	18°C	52%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:41	008	5703180	Normal	OK	19°C	52%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:41	009	5703201	Normal	OK	18°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:41	011	5703199	Normal	OK	19°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:41	012	5703198	Normal	OK	18°C	50%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:41	013	5703197	Normal	OK	18°C	51%	OK	OK	130	-	-86.45678	40.02931
4/25/08 8:41	016	5703191	Normal	OK	18°C	50%	OK	OK	148	-	-86.45678	40.02931
4/25/08 8:42	003	5703187	Normal	OK	18°C	51%	OK	OK	150	-	-86.45678	40.02931
4/25/08 8:42	004	5703188	Normal	OK	18°C	52%	OK	OK	148	-	-86.45678	40.02931
4/25/08 8:42	006	5703179	Normal	OK	19°C	50%	OK	OK	147	-	-86.45678	40.02931
4/25/08 8:42	010	5703200	Normal	OK	19°C	50%	OK	OK	150	-	-86.45678	40.02931



Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/25/08 9:42	006	5703179	Normal	OK	21°C	52%	OK	OK	147	-	-87.16719	40.82662
4/25/08 9:42	010	5703200	Normal	OK	21°C	52%	OK	OK	150	-	-87.16719	40.82662
4/25/08 9:42	014	5703196	Normal	OK	20°C	50%	OK	OK	150	-	-87.16719	40.82662
4/25/08 9:42	015	5703195	Normal	OK	20°C	52%	OK	OK	151	-	-87.16719	40.82662
4/25/08 9:51	003	5703187	Normal	OK	20°C	53%	OK	OK	150	-	-87.30755	41.56062
4/25/08 9:51	004	5703188	Normal	OK	20°C	54%	OK	OK	148	-	-87.30755	41.56062
4/25/08 9:51	005	5703190	Normal	OK	20°C	54%	OK	OK	147	-	-87.30755	41.56062
4/25/08 9:51	006	5703179	Normal	OK	21°C	52%	OK	OK	147	-	-87.30755	41.56062
4/25/08 9:51	007	5703202	Normal	OK	20°C	54%	OK	OK	150	-	-87.30755	41.56062
4/25/08 9:51	008	5703180	Normal	OK	21°C	53%	OK	OK	150	-	-87.30755	41.56062
4/25/08 9:51	009	5703201	Normal	OK	20°C	51%	OK	OK	150	-	-87.30755	41.56062
4/25/08 9:51	010	5703200	Normal	OK	21°C	52%	OK	OK	150	-	-87.30755	41.56062
4/25/08 9:51	011	5703199	Normal	OK	20°C	52%	OK	OK	150	-	-87.30755	41.56062
4/25/08 9:51	012	5703198	Normal	OK	21°C	52%	OK	OK	150	-	-87.30755	41.56062
4/25/08 9:51	013	5703197	Normal	OK	21°C	52%	OK	OK	130	-	-87.30755	41.56062
4/25/08 9:51	014	5703196	Normal	OK	21°C	50%	OK	OK	150	-	-87.30755	41.56062
4/25/08 9:51	015	5703195	Normal	OK	21°C	53%	OK	OK	151	-	-87.30755	41.56062
4/25/08 9:51	016	5703191	Normal	OK	21°C	51%	OK	OK	148	-	-87.30755	41.56062
4/25/08 10:01	003	5703187	Normal	OK	20°C	53%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:01	004	5703188	Normal	OK	21°C	54%	OK	OK	148	-	-87.30755	41.56062
4/25/08 10:01	005	5703190	Normal	OK	21°C	53%	OK	OK	147	-	-87.30755	41.56062
4/25/08 10:01	006	5703179	Normal	OK	21°C	52%	OK	OK	147	-	-87.30755	41.56062
4/25/08 10:01	007	5703202	Normal	OK	20°C	54%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:01	008	5703180	Normal	OK	21°C	53%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:01	009	5703201	Normal	OK	20°C	51%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:01	011	5703199	Normal	OK	21°C	53%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:01	012	5703198	Normal	OK	21°C	52%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:01	013	5703197	Normal	OK	21°C	52%	OK	OK	130	-	-87.30755	41.56062
4/25/08 10:01	014	5703196	Normal	OK	21°C	50%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:01	015	5703195	Normal	OK	21°C	52%	OK	OK	151	-	-87.30755	41.56062
4/25/08 10:01	016	5703191	Normal	OK	21°C	51%	OK	OK	148	-	-87.30755	41.56062
4/25/08 10:02	010	5703200	Normal	OK	21°C	52%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:11	003	5703187	Normal	OK	21°C	52%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:11	004	5703188	Normal	OK	21°C	54%	OK	OK	148	-	-87.30755	41.56062
4/25/08 10:11	005	5703190	Normal	OK	21°C	53%	OK	OK	147	-	-87.30755	41.56062
4/25/08 10:11	006	5703179	Normal	OK	21°C	52%	OK	OK	147	-	-87.30755	41.56062
4/25/08 10:11	007	5703202	Normal	OK	21°C	54%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:11	008	5703180	Normal	OK	21°C	53%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:11	009	5703201	Normal	OK	21°C	51%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:11	010	5703200	Normal	OK	21°C	52%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:11	011	5703199	Normal	OK	21°C	53%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:11	012	5703198	Normal	OK	21°C	52%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:11	013	5703197	Normal	OK	21°C	52%	OK	OK	130	-	-87.30755	41.56062
4/25/08 10:11	014	5703196	Normal	OK	21°C	50%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:11	015	5703195	Normal	OK	21°C	52%	OK	OK	151	-	-87.30755	41.56062
4/25/08 10:11	016	5703191	Normal	OK	21°C	51%	OK	OK	148	-	-87.30755	41.56062
4/25/08 10:14	011	5703199	Alarm	OK	21°C	53%	Shocked	OK	143	Pallet Bandings Loose	-87.30755	41.56062
4/25/08 10:14	011	5703199	Alarm	OK	21°C	53%	OK	OK	143	Alarm	-87.30755	41.56062
4/25/08 10:14	011	5703199	Normal	OK	21°C	55%	OK	OK	143	-	-87.30755	41.56062
4/25/08 10:21	003	5703187	Normal	OK	21°C	58%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:21	004	5703188	Normal	OK	21°C	57%	OK	OK	148	-	-87.30755	41.56062
4/25/08 10:21	005	5703190	Normal	OK	21°C	57%	OK	OK	147	-	-87.30755	41.56062
4/25/08 10:21	007	5703202	Normal	OK	21°C	60%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:21	008	5703180	Normal	OK	22°C	60%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:21	009	5703201	Normal	OK	21°C	60%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:21	011	5703199	Normal	OK	21°C	60%	OK	OK	143	-	-87.30755	41.56062
4/25/08 10:21	012	5703198	Normal	OK	21°C	58%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:21	013	5703197	Normal	OK	22°C	58%	OK	OK	130	-	-87.30755	41.56062
4/25/08 10:21	015	5703195	Normal	OK	21°C	57%	OK	OK	151	-	-87.30755	41.56062
4/25/08 10:21	016	5703191	Normal	OK	21°C	57%	OK	OK	148	-	-87.30755	41.56062
4/25/08 10:22	006	5703179	Normal	OK	22°C	57%	OK	OK	147	-	-87.30755	41.56062
4/25/08 10:22	010	5703200	Normal	OK	22°C	60%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:22	014	5703196	Normal	OK	21°C	55%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:31	003	5703187	Normal	OK	21°C	56%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:31	004	5703188	Normal	OK	21°C	57%	OK	OK	148	-	-87.30755	41.56062
4/25/08 10:31	005	5703190	Normal	OK	22°C	57%	OK	OK	147	-	-87.30755	41.56062
4/25/08 10:31	006	5703179	Normal	OK	22°C	56%	OK	OK	147	-	-87.30755	41.56062
4/25/08 10:31	007	5703202	Normal	OK	21°C	57%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:31	008	5703180	Normal	OK	22°C	59%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:31	009	5703201	Normal	OK	21°C	57%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:31	011	5703199	Normal	OK	21°C	58%	OK	OK	143	-	-87.30755	41.56062
4/25/08 10:31	012	5703198	Normal	OK	21°C	57%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:31	013	5703197	Normal	OK	22°C	57%	OK	OK	130	-	-87.30755	41.56062
4/25/08 10:31	014	5703196	Normal	OK	22°C	54%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:31	015	5703195	Normal	OK	21°C	57%	OK	OK	151	-	-87.30755	41.56062
4/25/08 10:31	016	5703191	Normal	OK	22°C	55%	OK	OK	148	-	-87.30755	41.56062
4/25/08 10:32	010	5703200	Normal	OK	22°C	58%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:41	003	5703187	Normal	OK	22°C	56%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:41	004	5703188	Normal	OK	22°C	56%	OK	OK	148	-	-87.30755	41.56062
4/25/08 10:41	005	5703190	Normal	OK	22°C	57%	OK	OK	147	-	-87.30755	41.56062
4/25/08 10:41	007	5703202	Normal	OK	22°C	57%	OK	OK	150	-	-87.30755	41.56062
4/25/08 10:41	008	5703180	Normal	OK	22°C	57%	OK	OK	150	-	-87.30755	41.56062



Tag Data from ANL-DIS Tracking System During DEMO (4/21/08 - 4/25/08)

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/25/08 11:41	006	5703179	Normal	OK	23°C	54%	OK	OK	147	-	-87.97872	41.71248
4/25/08 11:41	007	5703202	Normal	OK	23°C	54%	OK	OK	150	-	-87.97872	41.71248
4/25/08 11:41	008	5703180	Normal	OK	23°C	55%	OK	OK	150	-	-87.97872	41.71248
4/25/08 11:41	009	5703201	Normal	OK	22°C	54%	OK	OK	150	-	-87.97872	41.71248
4/25/08 11:41	010	5703200	Normal	OK	23°C	55%	OK	OK	150	-	-87.97872	41.71248
4/25/08 11:41	011	5703199	Normal	OK	22°C	56%	OK	OK	143	-	-87.97872	41.71248
4/25/08 11:41	012	5703198	Normal	OK	22°C	55%	OK	OK	150	-	-87.97872	41.71248
4/25/08 11:41	013	5703197	Normal	OK	23°C	54%	OK	OK	130	-	-87.97872	41.71248
4/25/08 11:41	014	5703196	Normal	OK	23°C	53%	OK	OK	150	-	-87.97872	41.71248
4/25/08 11:41	015	5703195	Normal	OK	23°C	54%	OK	OK	151	-	-87.97872	41.71248
4/25/08 11:41	016	5703191	Normal	OK	23°C	53%	OK	OK	148	-	-87.97872	41.71248
4/25/08 11:47	003	5703187	Normal	OK	23°C	53%	OK	OK	150	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	004	5703188	Normal	OK	23°C	54%	OK	OK	148	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	005	5703190	Normal	OK	23°C	55%	OK	OK	147	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	006	5703179	Normal	OK	23°C	54%	OK	OK	147	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	007	5703202	Normal	OK	23°C	54%	OK	OK	150	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	008	5703180	Normal	OK	23°C	55%	OK	OK	150	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	009	5703201	Normal	OK	22°C	54%	OK	OK	150	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	010	5703200	Normal	OK	23°C	55%	OK	OK	150	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	011	5703199	Normal	OK	22°C	56%	OK	OK	143	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	012	5703198	Normal	OK	22°C	55%	OK	OK	150	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	013	5703197	Normal	OK	23°C	54%	OK	OK	130	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	014	5703196	Normal	OK	23°C	53%	OK	OK	150	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	015	5703195	Normal	OK	23°C	54%	OK	OK	151	Drum left trailer	-87.97872	41.71248
4/25/08 11:47	016	5703191	Normal	OK	23°C	53%	OK	OK	148	Drum left trailer	-87.97872	41.71248
4/25/08 18:32	004	5703188	Normal	OK	27°C	50%	OK	OK	115	-	-87.97872	41.71248
4/25/08 18:32	005	5703190	Normal	OK	27°C	50%	OK	OK	108	-	-87.97872	41.71248
4/25/08 18:32	006	5703179	Normal	OK	27°C	50%	OK	OK	126	-	-87.97872	41.71248
4/25/08 18:32	008	5703180	Normal	OK	27°C	50%	OK	OK	142	-	-87.97872	41.71248
4/25/08 18:32	009	5703201	Normal	OK	27°C	50%	OK	OK	127	-	-87.97872	41.71248
4/25/08 18:32	010	5703200	Normal	OK	28°C	50%	OK	OK	123	-	-87.97872	41.71248
4/25/08 18:32	012	5703198	Normal	OK	27°C	50%	OK	OK	121	-	-87.97872	41.71248
4/25/08 18:32	013	5703197	Normal	OK	27°C	50%	OK	OK	106	-	-87.97872	41.71248
4/25/08 18:32	014	5703196	Normal	OK	26°C	50%	OK	OK	112	-	-87.97872	41.71248
4/25/08 18:32	015	5703195	Normal	OK	27°C	50%	OK	OK	124	-	-87.97872	41.71248
4/25/08 18:33	003	5703187	Normal	OK	26°C	50%	OK	OK	127	-	-87.97872	41.71248
4/25/08 18:33	007	5703202	Normal	OK	27°C	51%	OK	OK	116	-	-87.97872	41.71248
4/25/08 18:33	011	5703199	Normal	OK	27°C	50%	OK	OK	140	-	-87.97872	41.71248
4/25/08 18:33	016	5703191	<b>Alarm</b>	<b>Open</b>	27°C	50%	OK	OK	111	<b>Tag twisted during unloading. Seal intact and retightened.</b>	-87.97872	41.71248
4/25/08 18:33	016	5703191	<b>Alarm</b>	<b>Open</b>	27°C	50%	OK	OK	111		-87.97872	41.71248

**Tag Data from ANL-DIS System During Storage DEMOs at SRNL (4/23/08) and ORNL (4/24/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
<b>Storage Demo at Center for Hydrogen Research (SRNL)</b>												
4/23/08 9:13	013	5703197	Alarm	OK	18°C	Alarm (73%)	OK	OK	146	-	-81.71271	33.38639
4/23/08 9:13	014	5703196	Warning	OK	18°C	Warning (69%)	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:13	015	5703195	Alarm	OK	18°C	Alarm (73%)	OK	OK	106	Alarm	-81.71271	33.38639
4/23/08 9:13	015	5703195	Alarm	OK	18°C	Alarm (73%)	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:13	016	5703191	Alarm	OK	18°C	Alarm (73%)	OK	OK	103	Alarm	-81.71271	33.38639
4/23/08 9:13	016	5703191	Alarm	OK	18°C	Alarm (73%)	OK	OK	103	-	-81.71271	33.38639
4/23/08 9:23	013	5703197	Alarm	OK	19°C	Alarm (68%)	OK	OK	146	-	-81.71271	33.38639
4/23/08 9:23	014	5703196	Normal	OK	19°C	63%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:23	015	5703195	Alarm	OK	19°C	Alarm (69%)	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:23	016	5703191	Alarm	OK	18°C	Alarm (69%)	OK	OK	103	-	-81.71271	33.38639
4/23/08 9:33	013	5703197	Alarm	OK	19°C	Alarm (64%)	OK	OK	146	-	-81.71271	33.38639
4/23/08 9:33	014	5703196	Normal	OK	19°C	60%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:33	015	5703195	Alarm	OK	19°C	Alarm (64%)	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:33	016	5703191	Alarm	OK	19°C	Alarm (64%)	OK	OK	103	-	-81.71271	33.38639
4/23/08 9:34	015	5703195	Normal	OK	19°C	64%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:34	016	5703191	Normal	OK	19°C	64%	OK	OK	103	-	-81.71271	33.38639
4/23/08 9:35	013	5703197	Normal	OK	20°C	63%	OK	OK	146	-	-81.71271	33.38639
4/23/08 9:43	013	5703197	Normal	OK	20°C	62%	OK	OK	146	-	-81.71271	33.38639
4/23/08 9:43	014	5703196	Normal	OK	20°C	58%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:43	015	5703195	Normal	OK	20°C	63%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:43	016	5703191	Normal	OK	20°C	62%	OK	OK	103	-	-81.71271	33.38639
4/23/08 9:53	013	5703197	Normal	OK	20°C	61%	OK	OK	146	-	-81.71271	33.38639
4/23/08 9:53	014	5703196	Normal	OK	20°C	57%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:53	015	5703195	Normal	OK	20°C	60%	OK	OK	106	-	-81.71271	33.38639
4/23/08 9:53	016	5703191	Normal	OK	20°C	60%	OK	OK	103	-	-81.71271	33.38639
4/23/08 10:03	013	5703197	Normal	OK	20°C	60%	OK	OK	146	-	-81.71271	33.38639
4/23/08 10:03	014	5703196	Normal	OK	20°C	56%	OK	OK	106	-	-81.71271	33.38639
4/23/08 10:03	015	5703195	Normal	OK	20°C	60%	OK	OK	106	-	-81.71271	33.38639
4/23/08 10:03	016	5703191	Normal	OK	20°C	59%	OK	OK	103	-	-81.71271	33.38639
4/23/08 10:11	013	5703197	Normal	OK	20°C	59%	OK	OK	143	-	-81.71271	33.38639
4/23/08 10:11	014	5703196	Normal	OK	20°C	56%	OK	OK	144	-	-81.71271	33.38639
4/23/08 10:11	015	5703195	Normal	OK	20°C	60%	OK	OK	142	-	-81.71271	33.38639
4/23/08 10:11	016	5703191	Normal	OK	20°C	59%	OK	OK	144	-	-81.71271	33.38639
4/23/08 10:17	014	5703196	Alarm	OK	20°C	56%	Shocked	OK	143	Alarm (Staged)	-81.71271	33.38639
4/23/08 10:19	014	5703196	Alarm	OK	20°C	55%	Shocked	OK	131	Alarm (Staged)	-81.71271	33.38639
4/23/08 10:19	014	5703196	Alarm	OK	20°C	55%	OK	OK	131	Reset	-81.71271	33.38639
4/23/08 10:19	014	5703196	Normal	OK	20°C	55%	OK	OK	143	-	-81.71271	33.38639
4/23/08 10:20	014	5703196	Normal	OK	20°C	55%	OK	OK	131	-	-81.71271	33.38639
4/23/08 10:21	013	5703197	Normal	OK	20°C	59%	OK	OK	143	-	-81.71271	33.38639
4/23/08 10:21	014	5703196	Normal	OK	20°C	55%	OK	OK	131	-	-81.71271	33.38639
4/23/08 10:21	015	5703195	Normal	OK	20°C	59%	OK	OK	142	-	-81.71271	33.38639
4/23/08 10:21	016	5703191	Normal	OK	20°C	57%	OK	OK	144	-	-81.71271	33.38639
4/23/08 10:31	013	5703197	Normal	OK	20°C	58%	OK	OK	143	-	-81.71271	33.38639
4/23/08 10:31	014	5703196	Normal	OK	20°C	55%	OK	OK	131	-	-81.71271	33.38639
4/23/08 10:31	015	5703195	Normal	OK	20°C	59%	OK	OK	142	-	-81.71271	33.38639
4/23/08 10:31	016	5703191	Normal	OK	20°C	57%	OK	OK	144	-	-81.71271	33.38639
4/23/08 10:35	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:35	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	015	5703195	Normal	OK	20°C	59%	OK	OK	142	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	015	5703195	Normal	OK	20°C	59%	OK	OK	142	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	015	5703195	Normal	OK	20°C	59%	OK	OK	142	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:36	015	5703195	Normal	OK	20°C	59%	OK	OK	142	Drum moved in Demo	-81.71271	33.38639
4/23/08 10:41	013	5703197	Normal	OK	20°C	57%	OK	OK	143	-	-81.71271	33.38639
4/23/08 10:41	014	5703196	Normal	OK	20°C	55%	OK	OK	131	-	-81.71271	33.38639
4/23/08 10:41	015	5703195	Normal	OK	20°C	58%	OK	OK	142	-	-81.71271	33.38639
4/23/08 10:41	016	5703191	Normal	OK	20°C	57%	OK	OK	144	-	-81.71271	33.38639
4/23/08 10:43	013	5703197	Normal	OK	20°C	57%	OK	OK	143	Drum left CHR	-81.71271	33.38639
4/23/08 10:43	014	5703196	Normal	OK	20°C	55%	OK	OK	131	Drum left CHR	-81.71271	33.38639
4/23/08 10:43	015	5703195	Normal	OK	20°C	58%	OK	OK	142	Drum left CHR	-81.71271	33.38639
4/23/08 10:43	016	5703191	Normal	OK	20°C	57%	OK	OK	144	Drum left CHR	-81.71271	33.38639
<b>Storage Demo at National Transportation Research Center (ORNL)</b>												
4/24/08 9:20	010	5703200	Normal	OK	18°C	65%	OK	OK	114	-	-84.22984	35.99858
4/24/08 9:21	003	5703187	Normal	OK	17°C	65%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:21	005	5703190	Warning	OK	17°C	Warning (67%)	OK	OK	117	-	-84.22984	35.99858
4/24/08 9:21	006	5703179	Normal	OK	18°C	63%	OK	OK	144	-	-84.22984	35.99858
4/24/08 9:21	008	5703180	Normal	OK	18°C	64%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:21	009	5703201	Normal	OK	17°C	64%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:21	012	5703198	Normal	OK	18°C	63%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:21	013	5703197	Normal	OK	19°C	61%	OK	OK	140	-	-84.22984	35.99858
4/24/08 9:21	014	5703196	Normal	OK	18°C	60%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:21	015	5703195	Normal	OK	19°C	63%	OK	OK	139	-	-84.22984	35.99858
4/24/08 9:21	016	5703191	Normal	OK	19°C	61%	OK	OK	147	-	-84.22984	35.99858



**Tag Data from ANL-DIS System During Storage DEMOs at SRNL (4/23/08) and ORNL (4/24/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/24/08 9:22	004	5703188	Warning	OK	17°C	Warning (67%)	OK	OK	138	-	-84.22984	35.99858
4/24/08 9:22	007	5703202	Normal	OK	17°C	64%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:22	011	5703199	Normal	OK	18°C	65%	OK	OK	147	-	-84.22984	35.99858
4/24/08 9:22	013	5703197	Normal	OK	19°C	60%	OK	OK	143	-	-84.22984	35.99858
4/24/08 9:22	016	5703191	Normal	OK	19°C	61%	OK	OK	142	-	-84.22984	35.99858
4/24/08 9:32	003	5703187	Normal	OK	18°C	63%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:32	005	5703190	Warning	OK	18°C	Warning (66%)	OK	OK	117	-	-84.22984	35.99858
4/24/08 9:32	006	5703179	Normal	OK	18°C	63%	OK	OK	144	-	-84.22984	35.99858
4/24/08 9:32	008	5703180	Normal	OK	19°C	63%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:32	009	5703201	Normal	OK	18°C	63%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:32	010	5703200	Normal	OK	19°C	64%	OK	OK	114	-	-84.22984	35.99858
4/24/08 9:32	011	5703199	Normal	OK	18°C	63%	OK	OK	147	-	-84.22984	35.99858
4/24/08 9:32	012	5703198	Normal	OK	18°C	63%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:32	013	5703197	Normal	OK	20°C	60%	OK	OK	143	-	-84.22984	35.99858
4/24/08 9:32	014	5703196	Normal	OK	19°C	59%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:32	015	5703195	Normal	OK	20°C	62%	OK	OK	139	-	-84.22984	35.99858
4/24/08 9:32	016	5703191	Normal	OK	19°C	60%	OK	OK	142	-	-84.22984	35.99858
4/24/08 9:33	004	5703188	Warning	OK	18°C	Warning (66%)	OK	OK	138	-	-84.22984	35.99858
4/24/08 9:33	007	5703202	Normal	OK	18°C	63%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:42	003	5703187	Normal	OK	19°C	63%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:42	005	5703190	Normal	OK	19°C	64%	OK	OK	117	-	-84.22984	35.99858
4/24/08 9:42	006	5703179	Normal	OK	19°C	62%	OK	OK	144	-	-84.22984	35.99858
4/24/08 9:42	008	5703180	Normal	OK	19°C	62%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:42	009	5703201	Normal	OK	19°C	62%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:42	010	5703200	Normal	OK	19°C	63%	OK	OK	114	-	-84.22984	35.99858
4/24/08 9:42	012	5703198	Normal	OK	19°C	62%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:42	013	5703197	Normal	OK	20°C	60%	OK	OK	143	-	-84.22984	35.99858
4/24/08 9:42	014	5703196	Normal	OK	20°C	59%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:42	015	5703195	Normal	OK	20°C	60%	OK	OK	139	-	-84.22984	35.99858
4/24/08 9:42	016	5703191	Normal	OK	20°C	59%	OK	OK	142	-	-84.22984	35.99858
4/24/08 9:43	004	5703188	Normal	OK	18°C	64%	OK	OK	138	-	-84.22984	35.99858
4/24/08 9:43	007	5703202	Normal	OK	18°C	63%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:43	011	5703199	Normal	OK	19°C	63%	OK	OK	147	-	-84.22984	35.99858
4/24/08 9:52	003	5703187	Normal	OK	20°C	60%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:52	004	5703188	Normal	OK	19°C	63%	OK	OK	138	-	-84.22984	35.99858
4/24/08 9:52	005	5703190	Normal	OK	19°C	63%	OK	OK	117	-	-84.22984	35.99858
4/24/08 9:52	006	5703179	Normal	OK	20°C	60%	OK	OK	144	-	-84.22984	35.99858
4/24/08 9:52	007	5703202	Normal	OK	19°C	62%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:52	008	5703180	Normal	OK	20°C	61%	OK	OK	145	-	-84.22984	35.99858
4/24/08 9:52	009	5703201	Normal	OK	19°C	60%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:52	010	5703200	Normal	OK	20°C	62%	OK	OK	114	-	-84.22984	35.99858
4/24/08 9:52	011	5703199	Normal	OK	19°C	62%	OK	OK	147	-	-84.22984	35.99858
4/24/08 9:52	012	5703198	Normal	OK	20°C	61%	OK	OK	141	-	-84.22984	35.99858
4/24/08 9:52	013	5703197	Normal	OK	20°C	59%	OK	OK	143	-	-84.22984	35.99858
4/24/08 9:52	014	5703196	Normal	OK	20°C	57%	OK	OK	146	-	-84.22984	35.99858
4/24/08 9:52	015	5703195	Normal	OK	21°C	59%	OK	OK	139	-	-84.22984	35.99858
4/24/08 9:52	016	5703191	Alarm	Open	20°C	59%	OK	OK	131	Seal Open (Staged)	-84.22984	35.99858
4/24/08 9:57	016	5703191	Normal	OK	21°C	57%	OK	OK	131	-	-84.22984	35.99858
4/24/08 9:58	011	5703199	Alarm	OK	19°C	62%	Shocked	OK	145	Shock (Staged)	-84.22984	35.99858
4/24/08 9:59	011	5703199	Normal	OK	20°C	61%	OK	OK	145	-	-84.22984	35.99858
4/24/08 10:00	013	5703197	Normal	OK	20°C	59%	OK	OK	143	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:00	013	5703197	Normal	OK	20°C	59%	OK	OK	143	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:00	014	5703196	Normal	OK	20°C	57%	OK	OK	146	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:00	014	5703196	Normal	OK	20°C	57%	OK	OK	146	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:01	009	5703201	Normal	OK	19°C	60%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:01	009	5703201	Normal	OK	19°C	60%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:01	012	5703198	Normal	OK	20°C	61%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:01	012	5703198	Normal	OK	20°C	61%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:02	003	5703187	Normal	OK	21°C	59%	OK	OK	145	-	-84.22984	35.99858
4/24/08 10:02	004	5703188	Normal	OK	20°C	62%	OK	OK	138	-	-84.22984	35.99858
4/24/08 10:02	005	5703190	Normal	OK	20°C	62%	OK	OK	117	-	-84.22984	35.99858
4/24/08 10:02	006	5703179	Normal	OK	21°C	59%	OK	OK	144	-	-84.22984	35.99858
4/24/08 10:02	007	5703202	Normal	OK	20°C	60%	OK	OK	146	-	-84.22984	35.99858
4/24/08 10:02	008	5703180	Normal	OK	20°C	62%	OK	OK	145	-	-84.22984	35.99858
4/24/08 10:02	009	5703201	Normal	OK	20°C	60%	OK	OK	141	-	-84.22984	35.99858
4/24/08 10:02	009	5703201	Normal	OK	19°C	60%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:02	009	5703201	Normal	OK	19°C	60%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:02	010	5703200	Normal	OK	20°C	60%	OK	OK	114	-	-84.22984	35.99858
4/24/08 10:02	011	5703199	Normal	OK	20°C	61%	OK	OK	145	-	-84.22984	35.99858
4/24/08 10:02	012	5703198	Normal	OK	20°C	60%	OK	OK	141	-	-84.22984	35.99858
4/24/08 10:02	013	5703197	Normal	OK	21°C	58%	OK	OK	143	-	-84.22984	35.99858
4/24/08 10:02	014	5703196	Normal	OK	20°C	57%	OK	OK	146	-	-84.22984	35.99858
4/24/08 10:02	015	5703195	Normal	OK	21°C	58%	OK	OK	139	-	-84.22984	35.99858
4/24/08 10:02	016	5703191	Normal	OK	21°C	57%	OK	OK	131	-	-84.22984	35.99858
4/24/08 10:09	012	5703198	Normal	OK	20°C	60%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	012	5703198	Normal	OK	20°C	60%	OK	OK	141	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	013	5703197	Normal	OK	21°C	58%	OK	OK	143	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	013	5703197	Normal	OK	21°C	58%	OK	OK	143	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	014	5703196	Normal	OK	20°C	57%	OK	OK	146	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	014	5703196	Normal	OK	20°C	57%	OK	OK	146	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	015	5703195	Normal	OK	21°C	58%	OK	OK	139	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:09	015	5703195	Normal	OK	21°C	58%	OK	OK	139	Drum moved in Demo	-84.22984	35.99858

**Tag Data from ANL-DIS System During Storage DEMOs at SRNL (4/23/08) and ORNL (4/24/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RSSI	Event	Longitude	Latitude
4/24/08 10:10	014	5703196	Normal	OK	20 °C	57%	OK	OK	146	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:10	014	5703196	Normal	OK	20 °C	57%	OK	OK	146	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:10	016	5703191	Normal	OK	21 °C	57%	OK	OK	131	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:10	016	5703191	Normal	OK	21 °C	57%	OK	OK	131	Drum moved in Demo	-84.22984	35.99858
4/24/08 10:11	003	5703187	Alarm	Open	21 °C	59%	OK	OK	136	Tag Inadvertently	-84.22984	35.99858
4/24/08 10:12	003	5703187	Alarm	Open	22 °C	57%	OK	OK	136	Pushed in Demo	-84.22984	35.99858
4/24/08 10:12	005	5703190	Normal	OK	20 °C	60%	OK	OK	117	-	-84.22984	35.99858
4/24/08 10:12	006	5703179	Normal	OK	21 °C	57%	OK	OK	144	-	-84.22984	35.99858
4/24/08 10:12	008	5703180	Normal	OK	21 °C	60%	OK	OK	145	-	-84.22984	35.99858
4/24/08 10:12	009	5703201	Normal	OK	20 °C	59%	OK	OK	141	-	-84.22984	35.99858
4/24/08 10:12	010	5703200	Normal	OK	21 °C	60%	OK	OK	114	-	-84.22984	35.99858
4/24/08 10:12	011	5703199	Normal	OK	20 °C	60%	OK	OK	145	-	-84.22984	35.99858
4/24/08 10:12	012	5703198	Normal	OK	21 °C	59%	OK	OK	141	-	-84.22984	35.99858
4/24/08 10:12	013	5703197	Normal	OK	21 °C	57%	OK	OK	143	-	-84.22984	35.99858
4/24/08 10:12	014	5703196	Normal	OK	21 °C	56%	OK	OK	146	-	-84.22984	35.99858
4/24/08 10:12	015	5703195	Normal	OK	21 °C	57%	OK	OK	139	-	-84.22984	35.99858
4/24/08 10:12	016	5703191	Normal	OK	21 °C	56%	OK	OK	131	-	-84.22984	35.99858
4/24/08 10:13	004	5703188	Normal	OK	20 °C	60%	OK	OK	138	-	-84.22984	35.99858
4/24/08 10:13	007	5703202	Normal	OK	20 °C	59%	OK	OK	146	-	-84.22984	35.99858
4/24/08 10:15	003	5703187	Alarm	Open	22 °C	57%	OK	OK	136	Subsequently Cleared	-84.22984	35.99858
4/24/08 10:15	004	5703188	Normal	OK	20 °C	60%	OK	OK	138	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	005	5703190	Normal	OK	20 °C	60%	OK	OK	117	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	006	5703179	Normal	OK	21 °C	57%	OK	OK	144	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	007	5703202	Normal	OK	20 °C	59%	OK	OK	146	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	008	5703180	Normal	OK	21 °C	60%	OK	OK	145	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	009	5703201	Normal	OK	20 °C	59%	OK	OK	141	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	010	5703200	Normal	OK	21 °C	60%	OK	OK	114	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	011	5703199	Normal	OK	20 °C	60%	OK	OK	145	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	012	5703198	Normal	OK	21 °C	59%	OK	OK	141	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	013	5703197	Normal	OK	21 °C	57%	OK	OK	143	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	014	5703196	Normal	OK	21 °C	56%	OK	OK	146	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	015	5703195	Normal	OK	21 °C	57%	OK	OK	139	Drum left NTRC	-84.22984	35.99858
4/24/08 10:15	016	5703191	Normal	OK	21 °C	56%	OK	OK	131	Drum left NTRC	-84.22984	35.99858

**Appendix D:**

**Detailed Tag Data from ANL-VTS Tracking System during DEMO  
(April 21-25, 2008)**

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/21/08 8:57	008	5703180	Normal	OK	10°C	46%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:57	010	5703200	Normal	OK	10°C	45%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:57	011	5703199	Normal	OK	10°C	46%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:58	003	5703187	Normal	OK	9°C	47%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:58	005	5703190	Normal	OK	9°C	48%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:58	006	5703179	Normal	OK	9°C	47%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:58	007	5703202	Normal	OK	9°C	47%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:58	009	5703201	Normal	OK	9°C	46%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:58	012	5703198	Normal	OK	10°C	45%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:58	013	5703197	Normal	OK	10°C	46%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:58	014	5703196	Normal	OK	9°C	45%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:58	015	5703195	Normal	OK	10°C	46%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:58	016	5703191	Normal	OK	10°C	45%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 8:59	004	5703188	Normal	OK	9°C	47%	OK	OK	OK	Start of Day 1	-87.97839	41.71242
4/21/08 9:09	003	5703187	Normal	OK	9°C	49%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:09	006	5703179	Normal	OK	10°C	48%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:09	007	5703202	Normal	OK	9°C	48%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:09	008	5703180	Normal	OK	10°C	47%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:09	009	5703201	Normal	OK	10°C	46%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:09	010	5703200	Normal	OK	11°C	46%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:09	011	5703199	Normal	OK	10°C	47%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:09	012	5703198	Normal	OK	10°C	47%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:09	013	5703197	Normal	OK	10°C	47%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:09	014	5703196	Normal	OK	10°C	46%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:09	015	5703195	Normal	OK	10°C	47%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:09	016	5703191	Normal	OK	10°C	47%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:10	004	5703188	Normal	OK	9°C	48%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:10	005	5703190	Normal	OK	9°C	49%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:19	003	5703187	Normal	OK	9°C	49%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:19	005	5703190	Normal	OK	10°C	50%	OK	OK	OK	Road Tracking Day 1	-87.97847	41.71249
4/21/08 9:19	006	5703179	Normal	OK	10°C	49%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:19	007	5703202	Normal	OK	9°C	49%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:19	008	5703180	Normal	OK	10°C	48%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:19	009	5703201	Normal	OK	10°C	47%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:19	010	5703200	Normal	OK	11°C	47%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:19	011	5703199	Normal	OK	10°C	48%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:19	012	5703198	Normal	OK	10°C	47%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:19	013	5703197	Normal	OK	11°C	47%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:19	014	5703196	Normal	OK	10°C	47%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:19	015	5703195	Normal	OK	11°C	48%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71242
4/21/08 9:19	016	5703191	Normal	OK	10°C	47%	OK	OK	OK	Road Tracking Day 1	-87.97858	41.71255
4/21/08 9:20	004	5703188	Normal	OK	10°C	49%	OK	OK	OK	Road Tracking Day 1	-87.97839	41.71238
4/21/08 9:29	003	5703187	Normal	OK	10°C	49%	OK	OK	OK	Road Tracking Day 1	-87.91062	41.75846
4/21/08 9:29	006	5703179	Normal	OK	11°C	49%	OK	OK	OK	Road Tracking Day 1	-87.91187	41.75809
4/21/08 9:29	007	5703202	Normal	OK	10°C	49%	OK	OK	OK	Road Tracking Day 1	-87.91573	41.75660
4/21/08 9:29	008	5703180	Normal	OK	11°C	48%	OK	OK	OK	Road Tracking Day 1	-87.92177	41.75405
4/21/08 9:29	009	5703201	Normal	OK	10°C	47%	OK	OK	OK	Road Tracking Day 1	-87.91647	41.75628
4/21/08 9:29	010	5703200	Normal	OK	11°C	47%	OK	OK	OK	Road Tracking Day 1	-87.91965	41.75495
4/21/08 9:29	011	5703199	Normal	OK	11°C	49%	OK	OK	OK	Road Tracking Day 1	-87.91858	41.75539
4/21/08 9:29	012	5703198	Normal	OK	11°C	48%	OK	OK	OK	Road Tracking Day 1	-87.90937	41.75881
4/21/08 9:29	013	5703197	Normal	OK	11°C	47%	OK	OK	OK	Road Tracking Day 1	-87.91752	41.75584
4/21/08 9:29	014	5703196	Normal	OK	11°C	47%	OK	OK	OK	Road Tracking Day 1	-87.91309	41.75767
4/21/08 9:29	015	5703195	Normal	OK	11°C	48%	OK	OK	OK	Road Tracking Day 1	-87.91430	41.75720
4/21/08 9:30	004	5703188	Normal	OK	10°C	49%	OK	OK	OK	Road Tracking Day 1	-87.90554	41.75989
4/21/08 9:30	005	5703190	Normal	OK	10°C	50%	OK	OK	OK	Road Tracking Day 1	-87.90679	41.75954
4/21/08 9:30	016	5703191	Normal	OK	11°C	47%	OK	OK	OK	Road Tracking Day 1	-87.90809	41.75917
4/21/08 9:49	005	5703190	Normal	OK	11°C	50%	OK	OK	OK	Road Tracking Day 1	-87.68746	41.61870
4/21/08 9:49	016	5703191	Normal	OK	12°C	46%	OK	OK	OK	Road Tracking Day 1	-87.68774	41.61920
4/21/08 9:52	006	5703179	Normal	OK	12°C	48%	OK	OK	OK	Road Tracking Day 1	-87.68119	41.59522
4/21/08 9:59	003	5703187	Normal	OK	12°C	49%	OK	OK	OK	Road Tracking Day 1	-87.55288	41.57769
4/21/08 9:59	006	5703179	Normal	OK	13°C	47%	OK	OK	OK	Road Tracking Day 1	-87.55418	41.57768
4/21/08 9:59	007	5703202	Normal	OK	12°C	48%	OK	OK	OK	Road Tracking Day 1	-87.55804	41.57766
4/21/08 9:59	008	5703180	Normal	OK	12°C	48%	OK	OK	OK	Road Tracking Day 1	-87.56552	41.57764
4/21/08 9:59	009	5703201	Normal	OK	12°C	47%	OK	OK	OK	Road Tracking Day 1	-87.55935	41.57766
4/21/08 9:59	010	5703200	Normal	OK	12°C	47%	OK	OK	OK	Road Tracking Day 1	-87.56422	41.57765
4/21/08 9:59	011	5703199	Normal	OK	12°C	49%	OK	OK	OK	Road Tracking Day 1	-87.56293	41.57765
4/21/08 9:59	012	5703198	Normal	OK	12°C	47%	OK	OK	OK	Road Tracking Day 1	-87.55159	41.57769
4/21/08 9:59	013	5703197	Normal	OK	13°C	46%	OK	OK	OK	Road Tracking Day 1	-87.56065	41.57766
4/21/08 9:59	014	5703196	Normal	OK	12°C	46%	OK	OK	OK	Road Tracking Day 1	-87.55547	41.57768
4/21/08 9:59	015	5703195	Normal	OK	13°C	47%	OK	OK	OK	Road Tracking Day 1	-87.55676	41.57767
4/21/08 9:59	016	5703191	Normal	OK	13°C	46%	OK	OK	OK	Road Tracking Day 1	-87.55030	41.57770
4/21/08 10:00	004	5703188	Normal	OK	12°C	49%	OK	OK	OK	Road Tracking Day 1	-87.54770	41.57770
4/21/08 10:00	005	5703190	Normal	OK	12°C	50%	OK	OK	OK	Road Tracking Day 1	-87.54900	41.57770
4/21/08 10:09	003	5703187	Normal	OK	12°C	48%	OK	OK	OK	Road Tracking Day 1	-87.37847	41.56957
4/21/08 10:09	006	5703179	Normal	OK	13°C	47%	OK	OK	OK	Road Tracking Day 1	-87.37903	41.56958
4/21/08 10:09	007	5703202	Normal	OK	12°C	48%	OK	OK	OK	Road Tracking Day 1	-87.38066	41.56959
4/21/08 10:09	008	5703180	Normal	OK	13°C	48%	OK	OK	OK	Road Tracking Day 1	-87.38320	41.56960
4/21/08 10:09	009	5703201	Normal	OK	12°C	47%	OK	OK	OK	Road Tracking Day 1	-87.38113	41.56959
4/21/08 10:09	010	5703200	Normal	OK	13°C	48%	OK	OK	OK	Road Tracking Day 1	-87.38269	41.56959
4/21/08 10:09	011	5703199	Normal	OK	12°C	49%	OK	OK	OK	Road Tracking Day 1	-87.38216	41.56959

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/21/08 10:09	012	5703198	Normal	OK	13°C	47%	OK	OK	OK	Road Tracking Day 1	-87.37747	41.56957
4/21/08 10:09	013	5703197	Normal	OK	13°C	47%	OK	OK	OK	Road Tracking Day 1	-87.38162	41.56959
4/21/08 10:09	014	5703196	Normal	OK	13°C	45%	OK	OK	OK	Road Tracking Day 1	-87.37959	41.56959
4/21/08 10:09	015	5703195	Normal	OK	13°C	47%	OK	OK	OK	Road Tracking Day 1	-87.38014	41.56959
4/21/08 10:09	016	5703191	Normal	OK	13°C	46%	OK	OK	OK	Road Tracking Day 1	-87.37683	41.56956
4/21/08 10:10	004	5703188	Normal	OK	12°C	49%	OK	OK	OK	Road Tracking Day 1	-87.37589	41.56956
4/21/08 10:10	005	5703190	Normal	OK	12°C	50%	OK	OK	OK	Road Tracking Day 1	-87.37619	41.56956
4/21/08 10:19	003	5703187	Normal	OK	13°C	48%	OK	OK	OK	Road Tracking Day 1	-87.31992	41.49821
4/21/08 10:19	005	5703190	Normal	OK	13°C	50%	OK	OK	OK	Road Tracking Day 1	-87.31993	41.49525
4/21/08 10:19	006	5703179	Normal	OK	14°C	47%	OK	OK	OK	Road Tracking Day 1	-87.31992	41.49918
4/21/08 10:19	007	5703202	Normal	OK	13°C	48%	OK	OK	OK	Road Tracking Day 1	-87.31993	41.50208
4/21/08 10:19	008	5703180	Normal	OK	13°C	48%	OK	OK	OK	Road Tracking Day 1	-87.31995	41.50693
4/21/08 10:19	009	5703201	Normal	OK	13°C	48%	OK	OK	OK	Road Tracking Day 1	-87.31994	41.50304
4/21/08 10:19	010	5703200	Normal	OK	13°C	48%	OK	OK	OK	Road Tracking Day 1	-87.31994	41.50595
4/21/08 10:19	011	5703199	Normal	OK	13°C	49%	OK	OK	OK	Road Tracking Day 1	-87.31994	41.50499
4/21/08 10:19	012	5703198	Normal	OK	13°C	47%	OK	OK	OK	Road Tracking Day 1	-87.31993	41.49722
4/21/08 10:19	013	5703197	Normal	OK	14°C	47%	OK	OK	OK	Road Tracking Day 1	-87.31994	41.50401
4/21/08 10:19	014	5703196	Normal	OK	13°C	45%	OK	OK	OK	Road Tracking Day 1	-87.31993	41.50015
4/21/08 10:19	015	5703195	Normal	OK	13°C	47%	OK	OK	OK	Road Tracking Day 1	-87.31993	41.50112
4/21/08 10:19	016	5703191	Normal	OK	13°C	46%	OK	OK	OK	Road Tracking Day 1	-87.31993	41.49624
4/21/08 10:20	004	5703188	Normal	OK	13°C	49%	OK	OK	OK	Road Tracking Day 1	-87.31993	41.49427
4/21/08 10:29	003	5703187	Normal	OK	13°C	49%	OK	OK	OK	Road Tracking Day 1	-87.30853	41.33858
4/21/08 10:29	006	5703179	Normal	OK	14°C	47%	OK	OK	OK	Road Tracking Day 1	-87.30894	41.33963
4/21/08 10:29	007	5703202	Normal	OK	13°C	48%	OK	OK	OK	Road Tracking Day 1	-87.31019	41.34279
4/21/08 10:29	008	5703180	Normal	OK	14°C	49%	OK	OK	OK	Road Tracking Day 1	-87.31227	41.34807
4/21/08 10:29	009	5703201	Normal	OK	13°C	48%	OK	OK	OK	Road Tracking Day 1	-87.31060	41.34385
4/21/08 10:29	010	5703200	Normal	OK	14°C	49%	OK	OK	OK	Road Tracking Day 1	-87.31185	41.34701
4/21/08 10:29	011	5703199	Normal	OK	13°C	49%	OK	OK	OK	Road Tracking Day 1	-87.31144	41.34596
4/21/08 10:29	012	5703198	Normal	OK	13°C	48%	OK	OK	OK	Road Tracking Day 1	-87.30811	41.33753
4/21/08 10:29	013	5703197	Normal	OK	14°C	47%	OK	OK	OK	Road Tracking Day 1	-87.31102	41.34491
4/21/08 10:29	014	5703196	Normal	OK	14°C	45%	OK	OK	OK	Road Tracking Day 1	-87.30935	41.34069
4/21/08 10:29	015	5703195	Normal	OK	14°C	47%	OK	OK	OK	Road Tracking Day 1	-87.30977	41.34174
4/21/08 10:30	004	5703188	Normal	OK	13°C	49%	OK	OK	OK	Road Tracking Day 1	-87.30686	41.33435
4/21/08 10:30	005	5703190	Normal	OK	13°C	50%	OK	OK	OK	Road Tracking Day 1	-87.30728	41.33542
4/21/08 10:30	016	5703191	Normal	OK	14°C	46%	OK	OK	OK	Road Tracking Day 1	-87.30770	41.33647
4/21/08 10:39	003	5703187	Normal	OK	13°C	49%	OK	OK	OK	Road Tracking Day 1	-87.28237	41.18321
4/21/08 10:39	005	5703190	Normal	OK	14°C	50%	OK	OK	OK	Road Tracking Day 1	-87.28080	41.18013
4/21/08 10:39	006	5703179	Normal	OK	15°C	49%	OK	OK	OK	Road Tracking Day 1	-87.28283	41.18419
4/21/08 10:39	007	5703202	Normal	OK	14°C	49%	OK	OK	OK	Road Tracking Day 1	-87.28395	41.18714
4/21/08 10:39	008	5703180	Normal	OK	14°C	49%	OK	OK	OK	Road Tracking Day 1	-87.28491	41.19155
4/21/08 10:39	009	5703201	Normal	OK	13°C	49%	OK	OK	OK	Road Tracking Day 1	-87.28420	41.18800
4/21/08 10:39	010	5703200	Normal	OK	14°C	50%	OK	OK	OK	Road Tracking Day 1	-87.28478	41.19065
4/21/08 10:39	011	5703199	Normal	OK	14°C	50%	OK	OK	OK	Road Tracking Day 1	-87.28462	41.18974
4/21/08 10:39	012	5703198	Normal	OK	14°C	49%	OK	OK	OK	Road Tracking Day 1	-87.28184	41.18221
4/21/08 10:39	013	5703197	Normal	OK	14°C	47%	OK	OK	OK	Road Tracking Day 1	-87.28442	41.18886
4/21/08 10:39	014	5703196	Normal	OK	14°C	46%	OK	OK	OK	Road Tracking Day 1	-87.28324	41.18515
4/21/08 10:39	015	5703195	Normal	OK	14°C	47%	OK	OK	OK	Road Tracking Day 1	-87.28358	41.18606
4/21/08 10:39	016	5703191	Normal	OK	14°C	47%	OK	OK	OK	Road Tracking Day 1	-87.28131	41.18117
4/21/08 10:40	004	5703188	Normal	OK	14°C	50%	OK	OK	OK	Road Tracking Day 1	-87.28027	41.17911
4/21/08 10:49	003	5703187	Normal	OK	14°C	49%	OK	OK	OK	Road Tracking Day 1	-87.27107	41.02188
4/21/08 10:49	005	5703190	Normal	OK	14°C	50%	OK	OK	OK	Road Tracking Day 1	-87.27099	41.01874
4/21/08 10:49	006	5703179	Normal	OK	15°C	49%	OK	OK	OK	Road Tracking Day 1	-87.27110	41.02293
4/21/08 10:49	007	5703202	Normal	OK	14°C	49%	OK	OK	OK	Road Tracking Day 1	-87.27120	41.02623
4/21/08 10:49	008	5703180	Normal	OK	14°C	50%	OK	OK	OK	Road Tracking Day 1	-87.27129	41.03174
4/21/08 10:49	009	5703201	Normal	OK	14°C	49%	OK	OK	OK	Road Tracking Day 1	-87.27122	41.02733
4/21/08 10:49	010	5703200	Normal	OK	14°C	50%	OK	OK	OK	Road Tracking Day 1	-87.27128	41.03064
4/21/08 10:49	011	5703199	Normal	OK	14°C	50%	OK	OK	OK	Road Tracking Day 1	-87.27126	41.02954
4/21/08 10:49	012	5703198	Normal	OK	14°C	49%	OK	OK	OK	Road Tracking Day 1	-87.27104	41.02085
4/21/08 10:49	013	5703197	Normal	OK	15°C	47%	OK	OK	OK	Road Tracking Day 1	-87.27124	41.02844
4/21/08 10:49	014	5703196	Normal	OK	14°C	46%	OK	OK	OK	Road Tracking Day 1	-87.27113	41.02403
4/21/08 10:49	015	5703195	Normal	OK	15°C	47%	OK	OK	OK	Road Tracking Day 1	-87.27116	41.02513
4/21/08 10:49	016	5703191	Normal	OK	15°C	47%	OK	OK	OK	Road Tracking Day 1	-87.27100	41.01979
4/21/08 10:50	004	5703188	Normal	OK	14°C	50%	OK	OK	OK	Road Tracking Day 1	-87.27099	41.01769
4/21/08 10:59	003	5703187	Normal	OK	14°C	50%	OK	OK	OK	Road Tracking Day 1	-87.19221	40.87093
4/21/08 10:59	006	5703179	Normal	OK	16°C	49%	OK	OK	OK	Road Tracking Day 1	-87.19298	40.87216
4/21/08 10:59	007	5703202	Normal	OK	15°C	49%	OK	OK	OK	Road Tracking Day 1	-87.19523	40.87585
4/21/08 10:59	008	5703180	Normal	OK	15°C	50%	OK	OK	OK	Road Tracking Day 1	-87.19827	40.88223
4/21/08 10:59	009	5703201	Normal	OK	14°C	50%	OK	OK	OK	Road Tracking Day 1	-87.19588	40.87711
4/21/08 10:59	010	5703200	Normal	OK	15°C	51%	OK	OK	OK	Road Tracking Day 1	-87.19767	40.88095
4/21/08 10:59	011	5703199	Normal	OK	14°C	51%	OK	OK	OK	Road Tracking Day 1	-87.19708	40.87967
4/21/08 10:59	012	5703198	Normal	OK	15°C	50%	OK	OK	OK	Road Tracking Day 1	-87.19144	40.86971
4/21/08 10:59	013	5703197	Normal	OK	15°C	47%	OK	OK	OK	Road Tracking Day 1	-87.19648	40.87839
4/21/08 10:59	014	5703196	Normal	OK	15°C	47%	OK	OK	OK	Road Tracking Day 1	-87.19375	40.87338
4/21/08 10:59	015	5703195	Normal	OK	15°C	48%	OK	OK	OK	Road Tracking Day 1	-87.19451	40.87461
4/21/08 11:00	004	5703188	Normal	OK	15°C	50%	OK	OK	OK	Road Tracking Day 1	-87.18960	40.86677
4/21/08 11:00	005	5703190	Normal	OK	15°C	51%	OK	OK	OK	Road Tracking Day 1	-87.19021	40.86775
4/21/08 11:00	016	5703191	Normal	OK	15°C	47%	OK	OK	OK	Road Tracking Day 1	-87.19083	40.86873
4/21/08 11:09	003	5703187	Normal	OK	15°C	50%	OK	OK	OK	Road Tracking Day 1	-87.08912	40.73062
4/21/08 11:09	006	5703179	Normal	OK	16°C	49%	OK	OK	OK	Road Tracking Day 1	-87.08986	40.73156
4/21/08 11:09	007	5703202	Normal	OK	15°C	49%	OK	OK	OK	Road Tracking Day 1	-87.09211	40.73439

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/21/08 11:09	008	5703180	Normal	OK	15°C	50%	OK	OK	OK	Road Tracking Day 1	-87.09680	40.73961
4/21/08 11:09	009	5703201	Normal	OK	15°C	50%	OK	OK	OK	Road Tracking Day 1	-87.09287	40.73533
4/21/08 11:09	010	5703200	Normal	OK	15°C	51%	OK	OK	OK	Road Tracking Day 1	-87.09573	40.73850
4/21/08 11:09	011	5703199	Normal	OK	15°C	52%	OK	OK	OK	Road Tracking Day 1	-87.09467	40.73739
4/21/08 11:09	012	5703198	Normal	OK	15°C	50%	OK	OK	OK	Road Tracking Day 1	-87.08837	40.72968
4/21/08 11:09	013	5703197	Normal	OK	16°C	48%	OK	OK	OK	Road Tracking Day 1	-87.09365	40.73625
4/21/08 11:09	014	5703196	Normal	OK	15°C	47%	OK	OK	OK	Road Tracking Day 1	-87.09061	40.73250
4/21/08 11:09	015	5703195	Normal	OK	16°C	48%	OK	OK	OK	Road Tracking Day 1	-87.09137	40.73345
4/21/08 11:09	016	5703191	Normal	OK	16°C	47%	OK	OK	OK	Road Tracking Day 1	-87.08765	40.72877
4/21/08 11:10	004	5703188	Normal	OK	15°C	50%	OK	OK	OK	Road Tracking Day 1	-87.08620	40.72695
4/21/08 11:10	005	5703190	Normal	OK	15°C	51%	OK	OK	OK	Road Tracking Day 1	-87.08693	40.72786
4/21/08 11:19	003	5703187	Normal	OK	15°C	50%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:19	006	5703179	Normal	OK	17°C	49%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:19	007	5703202	Normal	OK	16°C	49%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:19	008	5703180	Normal	OK	16°C	50%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:19	009	5703201	Normal	OK	15°C	50%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:19	010	5703200	Normal	OK	15°C	51%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:19	011	5703199	Normal	OK	15°C	51%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:19	012	5703198	Normal	OK	15°C	50%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:19	013	5703197	Normal	OK	16°C	48%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:19	014	5703196	Normal	OK	16°C	47%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:19	015	5703195	Normal	OK	16°C	49%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:20	004	5703188	Normal	OK	16°C	50%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:20	005	5703190	Normal	OK	16°C	51%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:20	016	5703191	Normal	OK	16°C	47%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:29	003	5703187	Normal	OK	16°C	50%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:29	006	5703179	Normal	OK	17°C	49%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:29	007	5703202	Normal	OK	16°C	49%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:29	008	5703180	Normal	OK	16°C	50%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:29	009	5703201	Normal	OK	15°C	50%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:29	010	5703200	Normal	OK	16°C	51%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:29	011	5703199	Normal	OK	16°C	52%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:29	013	5703197	Normal	OK	17°C	48%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:29	014	5703196	Normal	OK	16°C	47%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:29	015	5703195	Normal	OK	16°C	49%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:30	004	5703188	Normal	OK	16°C	50%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:30	005	5703190	Normal	OK	16°C	50%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:30	012	5703198	Normal	OK	16°C	50%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:30	016	5703191	Normal	OK	16°C	48%	OK	OK	OK	Road Tracking Day 1	-87.06515	40.69846
4/21/08 11:37	006	5703179	Alarm	OK	17°C	49%	Shocked:49	OK	OK	Road-induced (>10)	-87.06288	40.69726
4/21/08 11:39	003	5703187	Normal	OK	16°C	50%	OK	OK	OK	Road Tracking Day 1	-87.04074	40.66738
4/21/08 11:39	005	5703190	Normal	OK	17°C	51%	OK	OK	OK	Road Tracking Day 1	-87.03715	40.66553
4/21/08 11:39	006	5703179	Normal	OK	18°C	49%	OK	OK	OK	Road Tracking Day 1	-87.04697	40.67062
4/21/08 11:39	006	5703179	Normal	OK	18°C	49%	OK	OK	OK	Road Tracking Day 1	-87.04194	40.66800
4/21/08 11:39	007	5703202	Normal	OK	16°C	50%	OK	OK	OK	Road Tracking Day 1	-87.04549	40.66984
4/21/08 11:39	008	5703180	Normal	OK	17°C	51%	OK	OK	OK	Road Tracking Day 1	-87.05188	40.67415
4/21/08 11:39	009	5703201	Normal	OK	16°C	51%	OK	OK	OK	Road Tracking Day 1	-87.04787	40.67108
4/21/08 11:39	010	5703200	Normal	OK	16°C	52%	OK	OK	OK	Road Tracking Day 1	-87.05108	40.67324
4/21/08 11:39	011	5703199	Normal	OK	16°C	52%	OK	OK	OK	Road Tracking Day 1	-87.05013	40.67242
4/21/08 11:39	012	5703198	Normal	OK	16°C	51%	OK	OK	OK	Road Tracking Day 1	-87.03955	40.66676
4/21/08 11:39	013	5703197	Normal	OK	17°C	49%	OK	OK	OK	Road Tracking Day 1	-87.04905	40.67171
4/21/08 11:39	014	5703196	Normal	OK	17°C	48%	OK	OK	OK	Road Tracking Day 1	-87.04312	40.66861
4/21/08 11:39	015	5703195	Normal	OK	17°C	50%	OK	OK	OK	Road Tracking Day 1	-87.04430	40.66923
4/21/08 11:39	016	5703191	Normal	OK	17°C	49%	OK	OK	OK	Road Tracking Day 1	-87.03864	40.66630
4/21/08 11:40	004	5703188	Normal	OK	17°C	50%	OK	OK	OK	Road Tracking Day 1	-87.03596	40.66490
4/21/08 11:49	003	5703187	Normal	OK	17°C	50%	OK	OK	OK	Road Tracking Day 1	-86.91576	40.54095
4/21/08 11:49	005	5703190	Normal	OK	17°C	51%	OK	OK	OK	Road Tracking Day 1	-86.91254	40.53815
4/21/08 11:49	006	5703179	Normal	OK	18°C	49%	OK	OK	OK	Road Tracking Day 1	-86.91672	40.54172
4/21/08 11:49	008	5703180	Normal	OK	17°C	51%	OK	OK	OK	Road Tracking Day 1	-86.92440	40.54790
4/21/08 11:49	009	5703201	Normal	OK	17°C	51%	OK	OK	OK	Road Tracking Day 1	-86.92056	40.54481
4/21/08 11:49	010	5703200	Normal	OK	17°C	52%	OK	OK	OK	Road Tracking Day 1	-86.92344	40.54713
4/21/08 11:49	011	5703199	Normal	OK	17°C	52%	OK	OK	OK	Road Tracking Day 1	-86.92248	40.54635
4/21/08 11:49	012	5703198	Normal	OK	17°C	51%	OK	OK	OK	Road Tracking Day 1	-86.91480	40.54017
4/21/08 11:49	013	5703197	Normal	OK	18°C	49%	OK	OK	OK	Road Tracking Day 1	-86.92152	40.54558
4/21/08 11:49	014	5703196	Normal	OK	18°C	48%	OK	OK	OK	Road Tracking Day 1	-86.91768	40.54249
4/21/08 11:49	015	5703195	Normal	OK	18°C	49%	OK	OK	OK	Road Tracking Day 1	-86.91864	40.54327
4/21/08 11:49	016	5703191	Normal	OK	18°C	48%	OK	OK	OK	Road Tracking Day 1	-86.91362	40.53919
4/21/08 11:50	004	5703188	Normal	OK	17°C	50%	OK	OK	OK	Road Tracking Day 1	-86.91157	40.53704
4/21/08 11:59	003	5703187	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.81427	40.41067
4/21/08 11:59	006	5703179	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.81521	40.41144
4/21/08 11:59	007	5703202	Normal	OK	17°C	50%	OK	OK	OK	Road Tracking Day 1	-86.81768	40.41397
4/21/08 11:59	008	5703180	Normal	OK	18°C	51%	OK	OK	OK	Road Tracking Day 1	-86.82157	40.41817
4/21/08 11:59	009	5703201	Normal	OK	17°C	51%	OK	OK	OK	Road Tracking Day 1	-86.81867	40.41504
4/21/08 11:59	010	5703200	Normal	OK	17°C	52%	OK	OK	OK	Road Tracking Day 1	-86.82080	40.41733
4/21/08 11:59	011	5703199	Normal	OK	17°C	52%	OK	OK	OK	Road Tracking Day 1	-86.82003	40.41650
4/21/08 11:59	012	5703198	Normal	OK	17°C	50%	OK	OK	OK	Road Tracking Day 1	-86.81328	40.40994
4/21/08 11:59	013	5703197	Normal	OK	19°C	48%	OK	OK	OK	Road Tracking Day 1	-86.81925	40.41566
4/21/08 11:59	014	5703196	Normal	OK	18°C	47%	OK	OK	OK	Road Tracking Day 1	-86.81608	40.41225
4/21/08 11:59	015	5703195	Normal	OK	18°C	49%	OK	OK	OK	Road Tracking Day 1	-86.81689	40.41311
4/21/08 11:59	016	5703191	Normal	OK	18°C	48%	OK	OK	OK	Road Tracking Day 1	-86.81249	40.40943

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/21/08 12:00	004	5703188	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.81008	40.40793
4/21/08 12:00	005	5703190	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.81115	40.40859
4/21/08 12:09	003	5703187	Normal	OK	18°C	49%	OK	OK	OK	Road Tracking Day 1	-86.69532	40.28327
4/21/08 12:09	006	5703179	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.69655	40.28382
4/21/08 12:09	007	5703202	Normal	OK	18°C	49%	OK	OK	OK	Road Tracking Day 1	-86.70100	40.28603
4/21/08 12:09	008	5703180	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.70627	40.28965
4/21/08 12:09	009	5703201	Normal	OK	17°C	50%	OK	OK	OK	Road Tracking Day 1	-86.70213	40.28669
4/21/08 12:09	010	5703200	Normal	OK	18°C	52%	OK	OK	OK	Road Tracking Day 1	-86.70528	40.28887
4/21/08 12:09	011	5703199	Normal	OK	18°C	52%	OK	OK	OK	Road Tracking Day 1	-86.70428	40.28811
4/21/08 12:09	012	5703198	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.69407	40.28274
4/21/08 12:09	013	5703197	Normal	OK	19°C	48%	OK	OK	OK	Road Tracking Day 1	-86.70322	40.28738
4/21/08 12:09	014	5703196	Normal	OK	18°C	47%	OK	OK	OK	Road Tracking Day 1	-86.69777	40.28437
4/21/08 12:09	015	5703195	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.69897	40.28494
4/21/08 12:09	016	5703191	Normal	OK	19°C	47%	OK	OK	OK	Road Tracking Day 1	-86.69284	40.28220
4/21/08 12:10	004	5703188	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.69040	40.28111
4/21/08 12:10	005	5703190	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.69162	40.28165
4/21/08 12:19	003	5703187	Normal	OK	18°C	49%	OK	OK	OK	Road Tracking Day 1	-86.55002	40.17108
4/21/08 12:19	005	5703190	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 1	-86.54809	40.16819
4/21/08 12:19	006	5703179	Normal	OK	19°C	48%	OK	OK	OK	Road Tracking Day 1	-86.55074	40.17201
4/21/08 12:19	007	5703202	Normal	OK	18°C	49%	OK	OK	OK	Road Tracking Day 1	-86.55310	40.17471
4/21/08 12:19	008	5703180	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 1	-86.55719	40.17912
4/21/08 12:19	009	5703201	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.55392	40.17559
4/21/08 12:19	010	5703200	Normal	OK	18°C	52%	OK	OK	OK	Road Tracking Day 1	-86.55637	40.17824
4/21/08 12:19	011	5703199	Normal	OK	18°C	52%	OK	OK	OK	Road Tracking Day 1	-86.55556	40.17736
4/21/08 12:19	012	5703198	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.54951	40.17037
4/21/08 12:19	013	5703197	Normal	OK	19°C	47%	OK	OK	OK	Road Tracking Day 1	-86.55494	40.17670
4/21/08 12:19	014	5703196	Normal	OK	19°C	47%	OK	OK	OK	Road Tracking Day 1	-86.55148	40.17293
4/21/08 12:19	015	5703195	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.55228	40.17383
4/21/08 12:19	016	5703191	Normal	OK	19°C	47%	OK	OK	OK	Road Tracking Day 1	-86.54871	40.16916
4/21/08 12:29	003	5703187	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.46723	40.03196
4/21/08 12:29	005	5703190	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 1	-86.46377	40.03078
4/21/08 12:29	006	5703179	Normal	OK	20°C	48%	OK	OK	OK	Road Tracking Day 1	-86.46834	40.03242
4/21/08 12:29	007	5703202	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 1	-86.47160	40.03392
4/21/08 12:29	008	5703180	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 1	-86.47671	40.03677
4/21/08 12:29	009	5703201	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.47264	40.03447
4/21/08 12:29	010	5703200	Normal	OK	18°C	52%	OK	OK	OK	Road Tracking Day 1	-86.47569	40.03619
4/21/08 12:29	011	5703199	Normal	OK	18°C	52%	OK	OK	OK	Road Tracking Day 1	-86.47467	40.03562
4/21/08 12:29	012	5703198	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.46609	40.03154
4/21/08 12:29	013	5703197	Normal	OK	19°C	47%	OK	OK	OK	Road Tracking Day 1	-86.47366	40.03504
4/21/08 12:29	014	5703196	Normal	OK	19°C	47%	OK	OK	OK	Road Tracking Day 1	-86.46944	40.03289
4/21/08 12:29	015	5703195	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.47052	40.03339
4/21/08 12:29	016	5703191	Normal	OK	19°C	47%	OK	OK	OK	Road Tracking Day 1	-86.46494	40.03115
4/21/08 12:30	004	5703188	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.46259	40.03044
4/21/08 12:39	003	5703187	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:39	005	5703190	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:39	006	5703179	Normal	OK	20°C	48%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:39	007	5703202	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:39	008	5703180	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:39	009	5703201	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:39	010	5703200	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:39	011	5703199	Normal	OK	18°C	52%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:39	012	5703198	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:39	013	5703197	Normal	OK	20°C	47%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:39	014	5703196	Normal	OK	19°C	47%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:39	015	5703195	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:39	016	5703191	Normal	OK	19°C	47%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:40	004	5703188	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	003	5703187	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	005	5703190	Normal	OK	20°C	50%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	006	5703179	Normal	OK	20°C	48%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	007	5703202	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	008	5703180	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	009	5703201	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	010	5703200	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	011	5703199	Normal	OK	19°C	51%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	012	5703198	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	013	5703197	Normal	OK	20°C	47%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	014	5703196	Normal	OK	19°C	47%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	015	5703195	Normal	OK	20°C	49%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:49	016	5703191	Normal	OK	20°C	47%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:50	004	5703188	Normal	OK	20°C	49%	OK	OK	OK	Road Tracking Day 1	-86.35722	39.94764
4/21/08 12:59	003	5703187	Normal	OK	20°C	48%	OK	OK	OK	Road Tracking Day 1	-86.35716	39.94818
4/21/08 12:59	005	5703190	Normal	OK	20°C	50%	OK	OK	OK	Road Tracking Day 1	-86.35716	39.94818
4/21/08 12:59	006	5703179	Normal	OK	20°C	48%	OK	OK	OK	Road Tracking Day 1	-86.35716	39.94818
4/21/08 12:59	007	5703202	Normal	OK	19°C	49%	OK	OK	OK	Road Tracking Day 1	-86.35716	39.94818
4/21/08 12:59	008	5703180	Normal	OK	20°C	50%	OK	OK	OK	Road Tracking Day 1	-86.35716	39.94818
4/21/08 12:59	009	5703201	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 1	-86.35716	39.94818
4/21/08 12:59	010	5703200	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 1	-86.35716	39.94818
4/21/08 12:59	011	5703199	Normal	OK	19°C	51%	OK	OK	OK	Road Tracking Day 1	-86.35716	39.94818
4/21/08 12:59	012	5703198	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 1	-86.35716	39.94818







**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/21/08 14:59	003	5703187	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.35897	39.94806
4/21/08 14:59	005	5703190	Normal	OK	23°C	46%	OK	OK	OK	Road Tracking Day 1	-86.35920	39.94760
4/21/08 14:59	006	5703179	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.35883	39.94811
4/21/08 14:59	007	5703202	Normal	OK	22°C	46%	OK	OK	OK	Road Tracking Day 1	-86.35814	39.94817
4/21/08 14:59	008	5703180	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-86.35814	39.94817
4/21/08 14:59	009	5703201	Normal	OK	22°C	47%	OK	OK	OK	Road Tracking Day 1	-86.35814	39.94817
4/21/08 14:59	010	5703200	Normal	OK	22°C	48%	OK	OK	OK	Road Tracking Day 1	-86.35814	39.94817
4/21/08 14:59	011	5703199	Normal	OK	22°C	49%	OK	OK	OK	Road Tracking Day 1	-86.35814	39.94817
4/21/08 14:59	012	5703198	Normal	OK	22°C	47%	OK	OK	OK	Road Tracking Day 1	-86.35912	39.94794
4/21/08 14:59	013	5703197	Normal	OK	23°C	46%	OK	OK	OK	Road Tracking Day 1	-86.35814	39.94817
4/21/08 14:59	014	5703196	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.35875	39.94816
4/21/08 14:59	015	5703195	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.35871	39.94823
4/21/08 14:59	016	5703191	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.35924	39.94779
4/21/08 15:00	004	5703188	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.35899	39.94742
4/21/08 15:09	003	5703187	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.27640	39.85023
4/21/08 15:09	006	5703179	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.27642	39.85119
4/21/08 15:09	007	5703202	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.27650	39.85432
4/21/08 15:09	008	5703180	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.27731	39.85981
4/21/08 15:09	009	5703201	Normal	OK	22°C	46%	OK	OK	OK	Road Tracking Day 1	-86.27656	39.85552
4/21/08 15:09	010	5703200	Normal	OK	22°C	47%	OK	OK	OK	Road Tracking Day 1	-86.27703	39.85863
4/21/08 15:09	011	5703199	Normal	OK	22°C	47%	OK	OK	OK	Road Tracking Day 1	-86.27683	39.85768
4/21/08 15:09	012	5703198	Normal	OK	22°C	46%	OK	OK	OK	Road Tracking Day 1	-86.27635	39.84927
4/21/08 15:09	013	5703197	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.27667	39.85672
4/21/08 15:09	014	5703196	Normal	OK	23°C	44%	OK	OK	OK	Road Tracking Day 1	-86.27644	39.85215
4/21/08 15:09	015	5703195	Normal	OK	23°C	46%	OK	OK	OK	Road Tracking Day 1	-86.27647	39.85335
4/21/08 15:09	016	5703191	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.27632	39.84831
4/21/08 15:10	004	5703188	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.27629	39.84638
4/21/08 15:10	005	5703190	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.27630	39.84734
4/21/08 15:19	003	5703187	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.26458	39.71107
4/21/08 15:19	006	5703179	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-86.26459	39.71200
4/21/08 15:19	007	5703202	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.26461	39.71506
4/21/08 15:19	008	5703180	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.26464	39.72092
4/21/08 15:19	009	5703201	Normal	OK	22°C	46%	OK	OK	OK	Road Tracking Day 1	-86.26462	39.71624
4/21/08 15:19	010	5703200	Normal	OK	22°C	47%	OK	OK	OK	Road Tracking Day 1	-86.26462	39.71976
4/21/08 15:19	011	5703199	Normal	OK	22°C	47%	OK	OK	OK	Road Tracking Day 1	-86.26462	39.71859
4/21/08 15:19	012	5703198	Normal	OK	22°C	45%	OK	OK	OK	Road Tracking Day 1	-86.26458	39.71014
4/21/08 15:19	013	5703197	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-86.26463	39.71741
4/21/08 15:19	014	5703196	Normal	OK	23°C	44%	OK	OK	OK	Road Tracking Day 1	-86.26459	39.71295
4/21/08 15:19	015	5703195	Normal	OK	23°C	46%	OK	OK	OK	Road Tracking Day 1	-86.26460	39.71389
4/21/08 15:20	004	5703188	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.26457	39.70733
4/21/08 15:20	005	5703190	Normal	OK	23°C	46%	OK	OK	OK	Road Tracking Day 1	-86.26457	39.70827
4/21/08 15:20	016	5703191	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.26457	39.70920
4/21/08 15:29	007	5703202	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.10809	39.70148
4/21/08 15:29	008	5703180	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.11307	39.70232
4/21/08 15:29	009	5703201	Normal	OK	22°C	46%	OK	OK	OK	Road Tracking Day 1	-86.10875	39.70207
4/21/08 15:29	010	5703200	Normal	OK	22°C	47%	OK	OK	OK	Road Tracking Day 1	-86.11190	39.70237
4/21/08 15:29	011	5703199	Normal	OK	22°C	47%	OK	OK	OK	Road Tracking Day 1	-86.11076	39.70241
4/21/08 15:29	013	5703197	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-86.10968	39.70238
4/21/08 15:29	014	5703196	Normal	OK	23°C	43%	OK	OK	OK	Road Tracking Day 1	-86.10742	39.69967
4/21/08 15:29	015	5703195	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.10771	39.70065
4/21/08 15:30	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-86.10483	39.69065
4/21/08 15:30	005	5703190	Normal	OK	23°C	46%	OK	OK	OK	Road Tracking Day 1	-86.10515	39.69166
4/21/08 15:30	006	5703179	Alarm	OK	24°C	44%	Shocked:55	OK	OK	Road-induced (-25)	-86.10610	39.69497
4/21/08 15:30	012	5703198	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.10581	39.69394
4/21/08 15:30	016	5703191	Normal	OK	23°C	44%	OK	OK	OK	Road Tracking Day 1	-86.10552	39.69292
4/21/08 15:32	006	5703179	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-86.08919	39.66517
4/21/08 15:39	003	5703187	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.04309	39.55306
4/21/08 15:39	007	5703202	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.04606	39.55737
4/21/08 15:39	008	5703180	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.05013	39.56326
4/21/08 15:39	009	5703201	Normal	OK	22°C	45%	OK	OK	OK	Road Tracking Day 1	-86.04682	39.55846
4/21/08 15:39	010	5703200	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-86.04931	39.56206
4/21/08 15:39	011	5703199	Normal	OK	22°C	47%	OK	OK	OK	Road Tracking Day 1	-86.04848	39.56085
4/21/08 15:39	013	5703197	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-86.04764	39.55964
4/21/08 15:39	014	5703196	Normal	OK	23°C	43%	OK	OK	OK	Road Tracking Day 1	-86.04459	39.55524
4/21/08 15:39	015	5703195	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.04534	39.55632
4/21/08 15:40	005	5703190	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.04087	39.54971
4/21/08 15:40	012	5703198	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-86.04234	39.55197
4/21/08 15:40	016	5703191	Normal	OK	23°C	44%	OK	OK	OK	Road Tracking Day 1	-86.04160	39.55085
4/21/08 15:49	003	5703187	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.95547	39.40962
4/21/08 15:49	006	5703179	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.95670	39.41062
4/21/08 15:49	007	5703202	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.96041	39.41361
4/21/08 15:49	008	5703180	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.96515	39.41774
4/21/08 15:49	009	5703201	Normal	OK	22°C	45%	OK	OK	OK	Road Tracking Day 1	-85.96139	39.41441
4/21/08 15:49	010	5703200	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.96427	39.41687
4/21/08 15:49	011	5703199	Normal	OK	22°C	47%	OK	OK	OK	Road Tracking Day 1	-85.96335	39.41603
4/21/08 15:49	012	5703198	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.95473	39.40902
4/21/08 15:49	013	5703197	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.96238	39.41521
4/21/08 15:49	014	5703196	Normal	OK	23°C	43%	OK	OK	OK	Road Tracking Day 1	-85.95793	39.41162
4/21/08 15:49	015	5703195	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.95917	39.41261
4/21/08 15:49	016	5703191	Normal	OK	23°C	44%	OK	OK	OK	Road Tracking Day 1	-85.95328	39.40782

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/21/08 15:50	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.95084	39.40581
4/21/08 15:50	005	5703190	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.95206	39.40680
4/21/08 15:59	007	5703202	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.95430	39.25585
4/21/08 15:59	008	5703180	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.95343	39.26465
4/21/08 15:59	009	5703201	Normal	OK	22°C	46%	OK	OK	OK	Road Tracking Day 1	-85.95414	39.25755
4/21/08 15:59	010	5703200	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.95369	39.26209
4/21/08 15:59	011	5703199	Normal	OK	22°C	47%	OK	OK	OK	Road Tracking Day 1	-85.95392	39.25982
4/21/08 15:59	013	5703197	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.95402	39.25869
4/21/08 15:59	014	5703196	Normal	OK	23°C	43%	OK	OK	OK	Road Tracking Day 1	-85.95468	39.25159
4/21/08 15:59	015	5703195	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.95440	39.25471
4/21/08 16:00	003	5703187	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.95481	39.24192
4/21/08 16:00	006	5703179	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.95496	39.24706
4/21/08 16:00	012	5703198	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.95469	39.23879
4/21/08 16:00	016	5703191	Normal	OK	23°C	44%	OK	OK	OK	Road Tracking Day 1	-85.95460	39.23652
4/21/08 16:01	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.95435	39.23109
4/21/08 16:01	005	5703190	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.95441	39.23247
4/21/08 16:09	007	5703202	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.93839	39.09114
4/21/08 16:09	008	5703180	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.94460	39.09933
4/21/08 16:09	009	5703201	Normal	OK	22°C	45%	OK	OK	OK	Road Tracking Day 1	-85.94042	39.09379
4/21/08 16:09	010	5703200	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.94352	39.09790
4/21/08 16:09	011	5703199	Normal	OK	22°C	47%	OK	OK	OK	Road Tracking Day 1	-85.94188	39.09571
4/21/08 16:09	013	5703197	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.94115	39.09475
4/21/08 16:09	014	5703196	Normal	OK	23°C	44%	OK	OK	OK	Road Tracking Day 1	-85.93675	39.08897
4/21/08 16:09	015	5703195	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.93766	39.09017
4/21/08 16:10	003	5703187	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.93474	39.08634
4/21/08 16:10	006	5703179	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.93565	39.08754
4/21/08 16:10	012	5703198	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.93254	39.08343
4/21/08 16:10	016	5703191	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.92935	39.07809
4/21/08 16:11	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.92469	39.06957
4/21/08 16:11	005	5703190	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.92653	39.07297
4/21/08 16:19	007	5703202	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.84349	38.94744
4/21/08 16:19	008	5703180	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.84361	38.95769
4/21/08 16:19	009	5703201	Normal	OK	22°C	46%	OK	OK	OK	Road Tracking Day 1	-85.84357	38.95000
4/21/08 16:19	010	5703200	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.84365	38.95511
4/21/08 16:19	011	5703199	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.84365	38.95398
4/21/08 16:19	013	5703197	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.84365	38.95285
4/21/08 16:19	015	5703195	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.84345	38.94630
4/21/08 16:20	003	5703187	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.84335	38.94317
4/21/08 16:20	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.84229	38.93584
4/21/08 16:20	005	5703190	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.84265	38.93724
4/21/08 16:20	006	5703179	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.84338	38.94403
4/21/08 16:20	012	5703198	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.84315	38.94005
4/21/08 16:20	014	5703196	Normal	OK	23°C	44%	OK	OK	OK	Road Tracking Day 1	-85.84342	38.94545
4/21/08 16:20	016	5703191	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.84294	38.93864
4/21/08 16:29	003	5703187	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.82213	38.78731
4/21/08 16:29	006	5703179	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.82104	38.78843
4/21/08 16:29	007	5703202	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.81936	38.79214
4/21/08 16:29	008	5703180	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.81934	38.79784
4/21/08 16:29	009	5703201	Normal	OK	22°C	46%	OK	OK	OK	Road Tracking Day 1	-85.81929	38.79327
4/21/08 16:29	010	5703200	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.81933	38.79671
4/21/08 16:29	011	5703199	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.81932	38.79557
4/21/08 16:29	012	5703198	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.82309	38.78645
4/21/08 16:29	013	5703197	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.81931	38.79443
4/21/08 16:29	014	5703196	Normal	OK	23°C	44%	OK	OK	OK	Road Tracking Day 1	-85.82005	38.78994
4/21/08 16:29	015	5703195	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.81961	38.79102
4/21/08 16:29	016	5703191	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.82404	38.78559
4/21/08 16:30	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.82594	38.78388
4/21/08 16:30	005	5703190	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.82499	38.78474
4/21/08 16:39	003	5703187	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.78414	38.63020
4/21/08 16:39	005	5703190	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 1	-85.78419	38.62678
4/21/08 16:39	006	5703179	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.78412	38.63133
4/21/08 16:39	007	5703202	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.78401	38.63473
4/21/08 16:39	008	5703180	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.78393	38.64043
4/21/08 16:39	009	5703201	Normal	OK	22°C	46%	OK	OK	OK	Road Tracking Day 1	-85.78399	38.63587
4/21/08 16:39	010	5703200	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.78395	38.63930
4/21/08 16:39	011	5703199	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.78396	38.63816
4/21/08 16:39	012	5703198	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-85.78415	38.62906
4/21/08 16:39	013	5703197	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.78398	38.63702
4/21/08 16:39	014	5703196	Normal	OK	23°C	44%	OK	OK	OK	Road Tracking Day 1	-85.78410	38.63247
4/21/08 16:39	015	5703195	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.78406	38.63360
4/21/08 16:39	016	5703191	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.78417	38.62792
4/21/08 16:40	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.78420	38.62564
4/21/08 16:59	008	5703180	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.75353	38.32058
4/21/08 16:59	009	5703201	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.75239	38.31330
4/21/08 16:59	010	5703200	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.75335	38.31964
4/21/08 16:59	011	5703199	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 1	-85.75315	38.31871
4/21/08 16:59	013	5703197	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.75264	38.31615
4/21/08 17:00	003	5703187	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.75388	38.29881
4/21/08 17:00	005	5703190	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 1	-85.75575	38.29639
4/21/08 17:00	006	5703179	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-85.75345	38.29969

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/21/08 17:00	007	5703202	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.75249	38.30740
4/21/08 17:00	012	5703198	Normal	OK	23°C	46%	OK	OK	OK	Road Tracking Day 1	-85.75443	38.29797
4/21/08 17:00	014	5703196	Normal	OK	23°C	44%	OK	OK	OK	Road Tracking Day 1	-85.75312	38.30060
4/21/08 17:00	015	5703195	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 1	-85.75263	38.30482
4/21/08 17:00	016	5703191	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.75508	38.29718
4/21/08 17:01	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.75643	38.29561
4/21/08 17:09	003	5703187	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.72813	38.26107
4/21/08 17:09	005	5703190	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 1	-85.72707	38.26086
4/21/08 17:09	007	5703202	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.72930	38.26116
4/21/08 17:09	008	5703180	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.73063	38.26122
4/21/08 17:09	009	5703201	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.72957	38.26118
4/21/08 17:09	010	5703200	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.73037	38.26121
4/21/08 17:09	011	5703199	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 1	-85.73009	38.26120
4/21/08 17:09	012	5703198	Normal	OK	23°C	46%	OK	OK	OK	Road Tracking Day 1	-85.72782	38.26102
4/21/08 17:09	013	5703197	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.72982	38.26119
4/21/08 17:09	014	5703196	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.72872	38.26113
4/21/08 17:09	015	5703195	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 1	-85.72900	38.26115
4/21/08 17:09	016	5703191	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.72745	38.26095
4/21/08 17:10	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.72667	38.26075
4/21/08 17:19	003	5703187	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.59154	38.22738
4/21/08 17:19	006	5703179	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-85.59265	38.22774
4/21/08 17:19	007	5703202	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.59596	38.22879
4/21/08 17:19	008	5703180	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.60244	38.23085
4/21/08 17:19	009	5703201	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.59707	38.22914
4/21/08 17:19	010	5703200	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.60098	38.23039
4/21/08 17:19	011	5703199	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 1	-85.59955	38.22993
4/21/08 17:19	012	5703198	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 1	-85.59041	38.22703
4/21/08 17:19	013	5703197	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.59818	38.22950
4/21/08 17:19	014	5703196	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.59375	38.22809
4/21/08 17:19	015	5703195	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 1	-85.59486	38.22844
4/21/08 17:20	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.58703	38.22595
4/21/08 17:20	005	5703190	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.58815	38.22631
4/21/08 17:20	016	5703191	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.58928	38.22667
4/21/08 17:29	003	5703187	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.39324	38.21596
4/21/08 17:29	006	5703179	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-85.39471	38.21612
4/21/08 17:29	007	5703202	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.39987	38.21654
4/21/08 17:29	008	5703180	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.40906	38.21724
4/21/08 17:29	010	5703200	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 1	-85.40721	38.21710
4/21/08 17:29	011	5703199	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 1	-85.40536	38.21696
4/21/08 17:29	012	5703198	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.39177	38.21574
4/21/08 17:29	013	5703197	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.40353	38.21682
4/21/08 17:29	014	5703196	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.39618	38.21625
4/21/08 17:29	015	5703195	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 1	-85.39803	38.21639
4/21/08 17:30	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.38739	38.21485
4/21/08 17:30	005	5703190	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.38884	38.21518
4/21/08 17:30	016	5703191	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.39030	38.21549
4/21/08 17:39	003	5703187	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:39	006	5703179	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:39	007	5703202	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:39	008	5703180	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:39	009	5703201	Normal	OK	23°C	46%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:39	010	5703200	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:39	011	5703199	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:39	013	5703197	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:39	014	5703196	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:39	015	5703195	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:40	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:40	005	5703190	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:40	012	5703198	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:40	016	5703191	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.32928	38.20307
4/21/08 17:49	003	5703187	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-85.22214	38.18475
4/21/08 17:49	006	5703179	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-85.22325	38.18478
4/21/08 17:49	007	5703202	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.22807	38.18483
4/21/08 17:49	008	5703180	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.23586	38.18500
4/21/08 17:49	009	5703201	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 1	-85.22955	38.18485
4/21/08 17:49	010	5703200	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 1	-85.23437	38.18497
4/21/08 17:49	011	5703199	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 1	-85.23252	38.18492
4/21/08 17:49	012	5703198	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.22028	38.18471
4/21/08 17:49	013	5703197	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-85.23103	38.18488
4/21/08 17:49	014	5703196	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.22510	38.18479
4/21/08 17:49	015	5703195	Normal	OK	25°C	46%	OK	OK	OK	Road Tracking Day 1	-85.22621	38.18479
4/21/08 17:50	004	5703188	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-85.20728	38.18441
4/21/08 17:50	005	5703190	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.21170	38.18451
4/21/08 17:50	016	5703191	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.21582	38.18462
4/21/08 17:53	006	5703179	Alarm	OK	25°C	44%	Shocked:30	OK	OK	Road-Induced (-25)	-85.15758	38.17190
4/21/08 17:59	003	5703187	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-85.06357	38.15206
4/21/08 17:59	006	5703179	Alarm	OK	25°C	44%	Shocked:0	OK	OK	Reset	-85.06509	38.15247
4/21/08 17:59	007	5703202	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-85.06876	38.15345
4/21/08 17:59	008	5703180	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-85.07485	38.15509
4/21/08 17:59	009	5703201	Normal	OK	23°C	46%	OK	OK	OK	Road Tracking Day 1	-85.06999	38.15378

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/21/08 17:59	010	5703200	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 1	-85.07365	38.15476
4/21/08 17:59	011	5703199	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 1	-85.07243	38.15443
4/21/08 17:59	013	5703197	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-85.07121	38.15411
4/21/08 17:59	014	5703196	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-85.06631	38.15279
4/21/08 17:59	015	5703195	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-85.06753	38.15312
4/21/08 17:59	016	5703191	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-85.06046	38.15141
4/21/08 18:00	004	5703188	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-85.05714	38.15090
4/21/08 18:00	005	5703190	Normal	OK	25°C	46%	OK	OK	OK	Road Tracking Day 1	-85.05884	38.15114
4/21/08 18:01	006	5703179	Normal	OK	26°C	44%	OK	OK	OK	Road Tracking Day 1	-85.01888	38.14707
4/21/08 18:09	003	5703187	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-84.84894	38.16173
4/21/08 18:09	006	5703179	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-84.85029	38.16132
4/21/08 18:09	007	5703202	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-84.85540	38.15971
4/21/08 18:09	008	5703180	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-84.86251	38.15809
4/21/08 18:09	009	5703201	Normal	OK	23°C	46%	OK	OK	OK	Road Tracking Day 1	-84.85678	38.15928
4/21/08 18:09	010	5703200	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 1	-84.86100	38.15821
4/21/08 18:09	011	5703199	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 1	-84.85956	38.15846
4/21/08 18:09	012	5703198	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-84.84763	38.16220
4/21/08 18:09	013	5703197	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-84.85816	38.15884
4/21/08 18:09	014	5703196	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-84.85165	38.16089
4/21/08 18:09	015	5703195	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-84.85403	38.16013
4/21/08 18:09	016	5703191	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-84.84634	38.16272
4/21/08 18:10	004	5703188	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-84.84310	38.16454
4/21/08 18:10	005	5703190	Normal	OK	25°C	46%	OK	OK	OK	Road Tracking Day 1	-84.84510	38.16329
4/21/08 18:19	003	5703187	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-84.63412	38.16256
4/21/08 18:19	006	5703179	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-84.63557	38.16232
4/21/08 18:19	007	5703202	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-84.64095	38.16142
4/21/08 18:19	009	5703201	Normal	OK	23°C	46%	OK	OK	OK	Road Tracking Day 1	-84.64237	38.16118
4/21/08 18:19	010	5703200	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 1	-84.64670	38.16044
4/21/08 18:19	011	5703199	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 1	-84.64526	38.16068
4/21/08 18:19	012	5703198	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-84.63267	38.16280
4/21/08 18:19	013	5703197	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-84.64382	38.16093
4/21/08 18:19	014	5703196	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-84.63701	38.16207
4/21/08 18:19	015	5703195	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-84.63844	38.16184
4/21/08 18:19	016	5703191	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-84.63120	38.16295
4/21/08 18:20	004	5703188	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-84.62827	38.16285
4/21/08 18:20	005	5703190	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-84.62973	38.16296
4/21/08 18:29	003	5703187	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-84.46192	38.08393
4/21/08 18:29	006	5703179	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-84.46263	38.08478
4/21/08 18:29	007	5703202	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-84.46492	38.08721
4/21/08 18:29	008	5703180	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 1	-84.46930	38.09086
4/21/08 18:29	009	5703201	Normal	OK	23°C	45%	OK	OK	OK	Road Tracking Day 1	-84.46574	38.08798
4/21/08 18:29	010	5703200	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 1	-84.46837	38.09017
4/21/08 18:29	011	5703199	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 1	-84.46747	38.08946
4/21/08 18:29	012	5703198	Normal	OK	24°C	45%	OK	OK	OK	Road Tracking Day 1	-84.46125	38.08307
4/21/08 18:29	013	5703197	Normal	OK	25°C	44%	OK	OK	OK	Road Tracking Day 1	-84.46659	38.08872
4/21/08 18:29	014	5703196	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-84.46336	38.08561
4/21/08 18:29	015	5703195	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-84.46412	38.08641
4/21/08 18:29	016	5703191	Normal	OK	24°C	44%	OK	OK	OK	Road Tracking Day 1	-84.46060	38.08220
4/21/08 18:30	004	5703188	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-84.45874	38.07955
4/21/08 18:30	005	5703190	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 1	-84.45935	38.08044
4/21/08 18:49	003	5703187	Normal	OK	24°C	44%	OK	OK	OK	<i>End of Day 1</i>	-84.31780	37.77979
4/21/08 18:49	006	5703179	Normal	OK	25°C	44%	OK	OK	OK	<i>End of Day 1</i>	-84.31830	37.78085
4/21/08 18:49	007	5703202	Normal	OK	24°C	45%	OK	OK	OK	<i>End of Day 1</i>	-84.32067	37.78583
4/21/08 18:49	008	5703180	Normal	OK	24°C	45%	OK	OK	OK	<i>End of Day 1</i>	-84.32317	37.79108
4/21/08 18:49	009	5703201	Normal	OK	23°C	45%	OK	OK	OK	<i>End of Day 1</i>	-84.32118	37.78689
4/21/08 18:49	010	5703200	Normal	OK	24°C	46%	OK	OK	OK	<i>End of Day 1</i>	-84.32268	37.79003
4/21/08 18:49	011	5703199	Normal	OK	23°C	47%	OK	OK	OK	<i>End of Day 1</i>	-84.32218	37.78899
4/21/08 18:49	012	5703198	Normal	OK	23°C	45%	OK	OK	OK	<i>End of Day 1</i>	-84.31717	37.77847
4/21/08 18:49	013	5703197	Normal	OK	24°C	44%	OK	OK	OK	<i>End of Day 1</i>	-84.32167	37.78794
4/21/08 18:49	014	5703196	Normal	OK	24°C	44%	OK	OK	OK	<i>End of Day 1</i>	-84.31892	37.78216
4/21/08 18:49	015	5703195	Normal	OK	24°C	45%	OK	OK	OK	<i>End of Day 1</i>	-84.32005	37.78452
4/21/08 18:50	004	5703188	Normal	OK	24°C	45%	OK	OK	OK	<i>End of Day 1</i>	-84.31598	37.77524
4/21/08 18:50	005	5703190	Normal	OK	24°C	45%	OK	OK	OK	<i>End of Day 1</i>	-84.31626	37.77634
4/21/08 18:50	016	5703191	Normal	OK	24°C	44%	OK	OK	OK	<i>End of Day 1</i>	-84.31668	37.77741
4/22/08 8:16	013	5703197	Normal	OK	14°C	61%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:16	015	5703195	Normal	OK	14°C	61%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:17	003	5703187	Normal	OK	13°C	60%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:17	005	5703190	Normal	OK	13°C	62%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:17	006	5703179	Normal	OK	14°C	56%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:17	007	5703202	Normal	OK	13°C	56%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:17	008	5703180	Normal	OK	14°C	59%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:17	009	5703201	Normal	OK	13°C	59%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:17	011	5703199	Normal	OK	14°C	57%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:17	012	5703198	Normal	OK	14°C	60%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:17	014	5703196	Normal	OK	13°C	57%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:17	016	5703191	Normal	OK	14°C	55%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:18	004	5703188	Normal	OK	13°C	57%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:18	010	5703200	Normal	OK	14°C	56%	OK	OK	OK	<i>Start of Day 2</i>	-84.32054	37.73557
4/22/08 8:19	015	5703195	<b>Alarm</b>	<b>Open</b>	14°C	61%	OK	OK	OK	<b>Seal Open (Staged)</b>	-84.32054	37.73557
4/22/08 8:23	015	5703195	Normal	OK	14°C	62%	OK	OK	OK	Road Tracking Day 2	-84.32054	37.73557

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/22/08 8:28	005	5703190	Normal	OK	14°C	62%	OK	OK	OK	Road Tracking Day 2	-84.32007	37.73608
4/22/08 8:28	006	5703179	Normal	OK	15°C	56%	OK	OK	OK	Road Tracking Day 2	-84.32007	37.73608
4/22/08 8:28	008	5703180	Normal	OK	15°C	59%	OK	OK	OK	Road Tracking Day 2	-84.32007	37.73608
4/22/08 8:28	009	5703201	Normal	OK	14°C	59%	OK	OK	OK	Road Tracking Day 2	-84.32007	37.73608
4/22/08 8:28	012	5703198	Normal	OK	15°C	58%	OK	OK	OK	Road Tracking Day 2	-84.32007	37.73608
4/22/08 8:28	013	5703197	Normal	OK	14°C	60%	OK	OK	OK	Road Tracking Day 2	-84.32007	37.73608
4/22/08 8:28	014	5703196	Normal	OK	14°C	57%	OK	OK	OK	Road Tracking Day 2	-84.32007	37.73608
4/22/08 8:28	015	5703195	Normal	OK	14°C	60%	OK	OK	OK	Road Tracking Day 2	-84.32007	37.73608
4/22/08 8:28	016	5703191	Normal	OK	15°C	56%	OK	OK	OK	Road Tracking Day 2	-84.32007	37.73608
4/22/08 8:29	003	5703187	Normal	OK	14°C	59%	OK	OK	OK	Road Tracking Day 2	-84.32005	37.73609
4/22/08 8:29	004	5703188	Normal	OK	13°C	59%	OK	OK	OK	Road Tracking Day 2	-84.31996	37.73615
4/22/08 8:29	010	5703200	Normal	OK	14°C	57%	OK	OK	OK	Road Tracking Day 2	-84.31995	37.73631
4/22/08 8:29	011	5703199	Normal	OK	14°C	59%	OK	OK	OK	Road Tracking Day 2	-84.32007	37.73608
4/22/08 8:38	005	5703190	Normal	OK	14°C	62%	OK	OK	OK	Road Tracking Day 2	-84.31448	37.60068
4/22/08 8:38	006	5703179	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.31451	37.60301
4/22/08 8:38	007	5703202	Normal	OK	14°C	57%	OK	OK	OK	Road Tracking Day 2	-84.31449	37.60185
4/22/08 8:38	008	5703180	Normal	OK	15°C	59%	OK	OK	OK	Road Tracking Day 2	-84.31446	37.59951
4/22/08 8:38	009	5703201	Normal	OK	14°C	60%	OK	OK	OK	Road Tracking Day 2	-84.31445	37.59834
4/22/08 8:38	013	5703197	Normal	OK	15°C	60%	OK	OK	OK	Road Tracking Day 2	-84.31455	37.60652
4/22/08 8:38	014	5703196	Normal	OK	14°C	57%	OK	OK	OK	Road Tracking Day 2	-84.31452	37.60418
4/22/08 8:38	015	5703195	Normal	OK	15°C	59%	OK	OK	OK	Road Tracking Day 2	-84.31459	37.60944
4/22/08 8:38	016	5703191	Normal	OK	15°C	56%	OK	OK	OK	Road Tracking Day 2	-84.31454	37.60535
4/22/08 8:39	003	5703187	Normal	OK	15°C	58%	OK	OK	OK	Road Tracking Day 2	-84.31440	37.59485
4/22/08 8:39	004	5703188	Normal	OK	14°C	60%	OK	OK	OK	Road Tracking Day 2	-84.31434	37.59368
4/22/08 8:39	010	5703200	Normal	OK	15°C	60%	OK	OK	OK	Road Tracking Day 2	-84.31423	37.59252
4/22/08 8:39	011	5703199	Normal	OK	14°C	60%	OK	OK	OK	Road Tracking Day 2	-84.31442	37.59601
4/22/08 8:39	012	5703198	Normal	OK	15°C	58%	OK	OK	OK	Road Tracking Day 2	-84.31443	37.59717
4/22/08 8:48	006	5703179	Normal	OK	16°C	55%	OK	OK	OK	Road Tracking Day 2	-84.34296	37.43299
4/22/08 8:48	007	5703202	Normal	OK	14°C	57%	OK	OK	OK	Road Tracking Day 2	-84.34361	37.43057
4/22/08 8:48	013	5703197	Normal	OK	15°C	58%	OK	OK	OK	Road Tracking Day 2	-84.34171	37.43614
4/22/08 8:48	014	5703196	Normal	OK	15°C	56%	OK	OK	OK	Road Tracking Day 2	-84.34255	37.43403
4/22/08 8:48	015	5703195	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.34114	37.43743
4/22/08 8:48	016	5703191	Normal	OK	15°C	55%	OK	OK	OK	Road Tracking Day 2	-84.34214	37.43508
4/22/08 8:49	003	5703187	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.34218	37.41928
4/22/08 8:49	004	5703188	Normal	OK	14°C	59%	OK	OK	OK	Road Tracking Day 2	-84.34201	37.41842
4/22/08 8:49	005	5703190	Normal	OK	14°C	60%	OK	OK	OK	Road Tracking Day 2	-84.34334	37.42509
4/22/08 8:49	008	5703180	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.34311	37.42393
4/22/08 8:49	009	5703201	Normal	OK	14°C	59%	OK	OK	OK	Road Tracking Day 2	-84.34288	37.42278
4/22/08 8:49	010	5703200	Normal	OK	15°C	59%	OK	OK	OK	Road Tracking Day 2	-84.34173	37.41698
4/22/08 8:49	011	5703199	Normal	OK	15°C	60%	OK	OK	OK	Road Tracking Day 2	-84.34241	37.42044
4/22/08 8:49	012	5703198	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.34264	37.42161
4/22/08 8:58	005	5703190	Normal	OK	15°C	60%	OK	OK	OK	Road Tracking Day 2	-84.26564	37.28732
4/22/08 8:58	006	5703179	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.26758	37.28905
4/22/08 8:58	007	5703202	Normal	OK	14°C	56%	OK	OK	OK	Road Tracking Day 2	-84.26661	37.28818
4/22/08 8:58	008	5703180	Normal	OK	16°C	57%	OK	OK	OK	Road Tracking Day 2	-84.26466	37.28645
4/22/08 8:58	009	5703201	Normal	OK	15°C	58%	OK	OK	OK	Road Tracking Day 2	-84.26370	37.28558
4/22/08 8:58	012	5703198	Normal	OK	15°C	56%	OK	OK	OK	Road Tracking Day 2	-84.26272	37.28471
4/22/08 8:58	013	5703197	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.27051	37.29165
4/22/08 8:58	014	5703196	Normal	OK	15°C	55%	OK	OK	OK	Road Tracking Day 2	-84.26856	37.28992
4/22/08 8:58	015	5703195	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.27150	37.29250
4/22/08 8:58	016	5703191	Normal	OK	15°C	54%	OK	OK	OK	Road Tracking Day 2	-84.26953	37.29078
4/22/08 8:59	003	5703187	Normal	OK	15°C	56%	OK	OK	OK	Road Tracking Day 2	-84.26076	37.28297
4/22/08 8:59	004	5703188	Normal	OK	15°C	58%	OK	OK	OK	Road Tracking Day 2	-84.25978	37.28209
4/22/08 8:59	010	5703200	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.25880	37.28122
4/22/08 8:59	011	5703199	Normal	OK	15°C	59%	OK	OK	OK	Road Tracking Day 2	-84.26175	37.28384
4/22/08 9:08	005	5703190	Normal	OK	15°C	59%	OK	OK	OK	Road Tracking Day 2	-84.12874	37.17329
4/22/08 9:08	006	5703179	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.13074	37.17576
4/22/08 9:08	007	5703202	Normal	OK	15°C	56%	OK	OK	OK	Road Tracking Day 2	-84.12974	37.17453
4/22/08 9:08	008	5703180	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.12774	37.17207
4/22/08 9:08	013	5703197	Normal	OK	16°C	57%	OK	OK	OK	Road Tracking Day 2	-84.13390	37.17969
4/22/08 9:08	014	5703196	Normal	OK	15°C	54%	OK	OK	OK	Road Tracking Day 2	-84.13173	37.17700
4/22/08 9:08	015	5703195	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.13474	37.18062
4/22/08 9:08	016	5703191	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.13272	37.17822
4/22/08 9:09	003	5703187	Normal	OK	15°C	55%	OK	OK	OK	Road Tracking Day 2	-84.12306	37.16761
4/22/08 9:09	004	5703188	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.12169	37.16665
4/22/08 9:09	009	5703201	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.12693	37.17110
4/22/08 9:09	010	5703200	Normal	OK	16°C	57%	OK	OK	OK	Road Tracking Day 2	-84.12060	37.16587
4/22/08 9:09	011	5703199	Normal	OK	15°C	58%	OK	OK	OK	Road Tracking Day 2	-84.12437	37.16862
4/22/08 9:09	012	5703198	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.12560	37.16971
4/22/08 9:18	005	5703190	Normal	OK	15°C	58%	OK	OK	OK	Road Tracking Day 2	-84.09907	37.03158
4/22/08 9:18	006	5703179	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.09869	37.03391
4/22/08 9:18	007	5703202	Normal	OK	15°C	56%	OK	OK	OK	Road Tracking Day 2	-84.09888	37.03275
4/22/08 9:18	008	5703180	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.09926	37.03041
4/22/08 9:18	009	5703201	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.09943	37.02924
4/22/08 9:18	012	5703198	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.09955	37.02807
4/22/08 9:18	013	5703197	Normal	OK	16°C	57%	OK	OK	OK	Road Tracking Day 2	-84.09811	37.03739
4/22/08 9:18	014	5703196	Normal	OK	15°C	54%	OK	OK	OK	Road Tracking Day 2	-84.09849	37.03507
4/22/08 9:18	016	5703191	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.09830	37.03623
4/22/08 9:19	003	5703187	Normal	OK	15°C	55%	OK	OK	OK	Road Tracking Day 2	-84.09963	37.02574
4/22/08 9:19	004	5703188	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.09961	37.02458

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/22/08 9:19	010	5703200	Normal	OK	16°C	57%	OK	OK	OK	Road Tracking Day 2	-84.09959	37.02342
4/22/08 9:19	011	5703199	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.09961	37.02690
4/22/08 9:38	005	5703190	Normal	OK	16°C	57%	OK	OK	OK	Road Tracking Day 2	-84.15265	36.71237
4/22/08 9:38	006	5703179	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.15452	36.71456
4/22/08 9:38	007	5703202	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.15318	36.71324
4/22/08 9:38	008	5703180	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.15232	36.71143
4/22/08 9:38	009	5703201	Normal	OK	15°C	57%	OK	OK	OK	Road Tracking Day 2	-84.15206	36.71046
4/22/08 9:38	013	5703197	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.15708	36.71662
4/22/08 9:38	014	5703196	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.15495	36.71491
4/22/08 9:38	015	5703195	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.15815	36.71747
4/22/08 9:38	016	5703191	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.15602	36.71577
4/22/08 9:39	003	5703187	Normal	OK	16°C	55%	OK	OK	OK	Road Tracking Day 2	-84.15129	36.70745
4/22/08 9:39	004	5703188	Normal	OK	16°C	57%	OK	OK	OK	Road Tracking Day 2	-84.15104	36.70647
4/22/08 9:39	010	5703200	Normal	OK	16°C	57%	OK	OK	OK	Road Tracking Day 2	-84.15078	36.70550
4/22/08 9:39	011	5703199	Normal	OK	16°C	57%	OK	OK	OK	Road Tracking Day 2	-84.15155	36.70845
4/22/08 9:39	012	5703198	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.15181	36.70946
4/22/08 9:48	005	5703190	Normal	OK	16°C	57%	OK	OK	OK	Road Tracking Day 2	-84.12498	36.56601
4/22/08 9:48	006	5703179	Normal	OK	17°C	54%	OK	OK	OK	Road Tracking Day 2	-84.12283	36.56812
4/22/08 9:48	007	5703202	Normal	OK	16°C	55%	OK	OK	OK	Road Tracking Day 2	-84.12389	36.56706
4/22/08 9:48	008	5703180	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.12604	36.56496
4/22/08 9:48	013	5703197	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.11962	36.57139
4/22/08 9:48	014	5703196	Normal	OK	16°C	53%	OK	OK	OK	Road Tracking Day 2	-84.12174	36.56919
4/22/08 9:48	015	5703195	Normal	OK	16°C	55%	OK	OK	OK	Road Tracking Day 2	-84.11854	36.57248
4/22/08 9:48	016	5703191	Normal	OK	16°C	53%	OK	OK	OK	Road Tracking Day 2	-84.12068	36.57030
4/22/08 9:49	003	5703187	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.12992	36.56061
4/22/08 9:49	004	5703188	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.13056	36.55969
4/22/08 9:49	009	5703201	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.12704	36.56388
4/22/08 9:49	010	5703200	Normal	OK	16°C	57%	OK	OK	OK	Road Tracking Day 2	-84.13132	36.55852
4/22/08 9:49	011	5703199	Normal	OK	16°C	57%	OK	OK	OK	Road Tracking Day 2	-84.12900	36.56171
4/22/08 9:49	012	5703198	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.12802	36.56279
4/22/08 9:58	005	5703190	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.26539	36.45112
4/22/08 9:58	006	5703179	Normal	OK	17°C	54%	OK	OK	OK	Road Tracking Day 2	-84.26274	36.45341
4/22/08 9:58	007	5703202	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.26416	36.45213
4/22/08 9:58	008	5703180	Normal	OK	16°C	55%	OK	OK	OK	Road Tracking Day 2	-84.26674	36.45021
4/22/08 9:58	009	5703201	Normal	OK	16°C	55%	OK	OK	OK	Road Tracking Day 2	-84.26817	36.44941
4/22/08 9:58	013	5703197	Normal	OK	17°C	54%	OK	OK	OK	Road Tracking Day 2	-84.25988	36.45602
4/22/08 9:58	014	5703196	Normal	OK	16°C	53%	OK	OK	OK	Road Tracking Day 2	-84.26179	36.45428
4/22/08 9:58	015	5703195	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.25892	36.45690
4/22/08 9:58	016	5703191	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.26083	36.45515
4/22/08 9:59	003	5703187	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.27237	36.44746
4/22/08 9:59	004	5703188	Normal	OK	16°C	55%	OK	OK	OK	Road Tracking Day 2	-84.27419	36.44665
4/22/08 9:59	010	5703200	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.27574	36.44592
4/22/08 9:59	011	5703199	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.27117	36.44801
4/22/08 10:08	005	5703190	Normal	OK	17°C	56%	OK	OK	OK	Road Tracking Day 2	-84.23321	36.31173
4/22/08 10:08	006	5703179	Normal	OK	17°C	53%	OK	OK	OK	Road Tracking Day 2	-84.23261	36.31399
4/22/08 10:08	007	5703202	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.23305	36.31288
4/22/08 10:08	008	5703180	Normal	OK	17°C	56%	OK	OK	OK	Road Tracking Day 2	-84.23308	36.31058
4/22/08 10:08	009	5703201	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.23267	36.30947
4/22/08 10:08	012	5703198	Normal	OK	16°C	55%	OK	OK	OK	Road Tracking Day 2	-84.23198	36.30845
4/22/08 10:08	013	5703197	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.22990	36.31668
4/22/08 10:08	014	5703196	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.23188	36.31500
4/22/08 10:08	015	5703195	Normal	OK	16°C	55%	OK	OK	OK	Road Tracking Day 2	-84.22884	36.31747
4/22/08 10:08	016	5703191	Normal	OK	16°C	53%	OK	OK	OK	Road Tracking Day 2	-84.23094	36.31587
4/22/08 10:09	003	5703187	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.22930	36.30655
4/22/08 10:09	004	5703188	Normal	OK	16°C	55%	OK	OK	OK	Road Tracking Day 2	-84.22764	36.30606
4/22/08 10:09	010	5703200	Normal	OK	17°C	56%	OK	OK	OK	Road Tracking Day 2	-84.22590	36.30569
4/22/08 10:09	011	5703199	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.23079	36.30736
4/22/08 10:18	005	5703190	Normal	OK	17°C	56%	OK	OK	OK	Road Tracking Day 2	-84.10917	36.19277
4/22/08 10:18	006	5703179	Normal	OK	17°C	53%	OK	OK	OK	Road Tracking Day 2	-84.11159	36.19397
4/22/08 10:18	007	5703202	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.11025	36.19332
4/22/08 10:18	008	5703180	Normal	OK	17°C	56%	OK	OK	OK	Road Tracking Day 2	-84.10809	36.19221
4/22/08 10:18	009	5703201	Normal	OK	16°C	56%	OK	OK	OK	Road Tracking Day 2	-84.10704	36.19165
4/22/08 10:18	013	5703197	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.11442	36.19545
4/22/08 10:18	014	5703196	Normal	OK	17°C	54%	OK	OK	OK	Road Tracking Day 2	-84.11238	36.19435
4/22/08 10:18	015	5703195	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.11538	36.19606
4/22/08 10:18	016	5703191	Normal	OK	17°C	53%	OK	OK	OK	Road Tracking Day 2	-84.11340	36.19488
4/22/08 10:19	003	5703187	Normal	OK	16°C	54%	OK	OK	OK	Road Tracking Day 2	-84.10415	36.19015
4/22/08 10:19	004	5703188	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.10283	36.18946
4/22/08 10:19	010	5703200	Normal	OK	17°C	57%	OK	OK	OK	Road Tracking Day 2	-84.10182	36.18885
4/22/08 10:19	011	5703199	Normal	OK	17°C	56%	OK	OK	OK	Road Tracking Day 2	-84.10495	36.19056
4/22/08 10:19	012	5703198	Normal	OK	17°C	56%	OK	OK	OK	Road Tracking Day 2	-84.10600	36.19110
4/22/08 10:28	005	5703190	Normal	OK	17°C	56%	OK	OK	OK	Road Tracking Day 2	-84.02049	36.11108
4/22/08 10:28	006	5703179	Normal	OK	18°C	54%	OK	OK	OK	Road Tracking Day 2	-84.02002	36.11128
4/22/08 10:28	007	5703202	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02047	36.11121
4/22/08 10:28	008	5703180	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02044	36.11102
4/22/08 10:28	014	5703196	Normal	OK	17°C	54%	OK	OK	OK	Road Tracking Day 2	-84.01987	36.11116
4/22/08 10:28	015	5703195	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.01969	36.11080
4/22/08 10:28	016	5703191	Normal	OK	17°C	53%	OK	OK	OK	Road Tracking Day 2	-84.01971	36.11105
4/22/08 10:29	003	5703187	Normal	OK	17°C	54%	OK	OK	OK	Road Tracking Day 2	-84.02034	36.11094
4/22/08 10:29	004	5703188	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02033	36.11092

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/22/08 10:29	009	5703201	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02044	36.11102
4/22/08 10:29	010	5703200	Normal	OK	17°C	56%	OK	OK	OK	Road Tracking Day 2	-84.02032	36.11090
4/22/08 10:29	011	5703199	Normal	OK	17°C	56%	OK	OK	OK	Road Tracking Day 2	-84.02036	36.11095
4/22/08 10:29	012	5703198	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02041	36.11099
4/22/08 10:38	005	5703190	Normal	OK	18°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:38	006	5703179	Normal	OK	18°C	54%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:38	007	5703202	Normal	OK	17°C	54%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:38	008	5703180	Normal	OK	18°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:38	009	5703201	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:38	012	5703198	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:38	013	5703197	Normal	OK	18°C	54%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:38	014	5703196	Normal	OK	18°C	53%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:38	015	5703195	Normal	OK	18°C	54%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:38	016	5703191	Normal	OK	18°C	53%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:39	003	5703187	Normal	OK	17°C	54%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:39	004	5703188	Normal	OK	18°C	54%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:39	010	5703200	Normal	OK	18°C	56%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:39	011	5703199	Normal	OK	17°C	56%	OK	OK	OK	Road Tracking Day 2	-84.02017	36.11080
4/22/08 10:48	005	5703190	Normal	OK	18°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02284	36.10399
4/22/08 10:48	006	5703179	Normal	OK	18°C	53%	OK	OK	OK	Road Tracking Day 2	-84.02350	36.10558
4/22/08 10:48	007	5703202	Normal	OK	18°C	54%	OK	OK	OK	Road Tracking Day 2	-84.02311	36.10485
4/22/08 10:48	008	5703180	Normal	OK	18°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02258	36.10303
4/22/08 10:48	009	5703201	Normal	OK	17°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02230	36.10203
4/22/08 10:48	012	5703198	Normal	OK	18°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02202	36.10106
4/22/08 10:48	013	5703197	Normal	OK	18°C	54%	OK	OK	OK	Road Tracking Day 2	-84.02435	36.10687
4/22/08 10:48	014	5703196	Normal	OK	18°C	53%	OK	OK	OK	Road Tracking Day 2	-84.02388	36.10616
4/22/08 10:48	015	5703195	Normal	OK	18°C	55%	OK	OK	OK	Road Tracking Day 2	-84.02427	36.10712
4/22/08 10:48	016	5703191	Normal	OK	18°C	53%	OK	OK	OK	Road Tracking Day 2	-84.02417	36.10659
4/22/08 10:49	003	5703187	Normal	OK	18°C	54%	OK	OK	OK	Road Tracking Day 2	-84.02109	36.09929
4/22/08 10:49	004	5703188	Normal	OK	18°C	54%	OK	OK	OK	Road Tracking Day 2	-84.02044	36.09847
4/22/08 10:49	010	5703200	Normal	OK	18°C	56%	OK	OK	OK	Road Tracking Day 2	-84.01969	36.09773
4/22/08 10:49	011	5703199	Normal	OK	18°C	56%	OK	OK	OK	Road Tracking Day 2	-84.02162	36.10015
4/22/08 10:58	006	5703179	Normal	OK	19°C	53%	OK	OK	OK	Road Tracking Day 2	-83.95667	36.00157
4/22/08 10:58	007	5703202	Normal	OK	18°C	54%	OK	OK	OK	Road Tracking Day 2	-83.95626	36.00194
4/22/08 10:58	008	5703180	Normal	OK	19°C	55%	OK	OK	OK	Road Tracking Day 2	-83.95519	36.00287
4/22/08 10:58	009	5703201	Normal	OK	18°C	55%	OK	OK	OK	Road Tracking Day 2	-83.95450	36.00339
4/22/08 10:58	012	5703198	Normal	OK	18°C	55%	OK	OK	OK	Road Tracking Day 2	-83.95374	36.00394
4/22/08 10:58	013	5703197	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.95782	36.00053
4/22/08 10:58	014	5703196	Normal	OK	19°C	53%	OK	OK	OK	Road Tracking Day 2	-83.95701	36.00125
4/22/08 10:58	015	5703195	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.95825	36.00016
4/22/08 10:58	016	5703191	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.95740	36.00090
4/22/08 10:59	003	5703187	Normal	OK	18°C	54%	OK	OK	OK	Road Tracking Day 2	-83.95200	36.00497
4/22/08 10:59	004	5703188	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.95105	36.00544
4/22/08 10:59	010	5703200	Normal	OK	18°C	57%	OK	OK	OK	Road Tracking Day 2	-83.95004	36.00588
4/22/08 10:59	011	5703199	Normal	OK	18°C	56%	OK	OK	OK	Road Tracking Day 2	-83.95291	36.00447
4/22/08 11:08	005	5703190	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.80356	36.00583
4/22/08 11:08	006	5703179	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.80629	36.00624
4/22/08 11:08	007	5703202	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.80476	36.00601
4/22/08 11:08	008	5703180	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.80187	36.00559
4/22/08 11:08	013	5703197	Normal	OK	19°C	53%	OK	OK	OK	Road Tracking Day 2	-83.81086	36.00704
4/22/08 11:08	014	5703196	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 2	-83.80780	36.00648
4/22/08 11:08	015	5703195	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.81238	36.00740
4/22/08 11:08	016	5703191	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.80933	36.00674
4/22/08 11:09	003	5703187	Normal	OK	19°C	53%	OK	OK	OK	Road Tracking Day 2	-83.79613	36.00476
4/22/08 11:09	004	5703188	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.79466	36.00455
4/22/08 11:09	009	5703201	Normal	OK	18°C	55%	OK	OK	OK	Road Tracking Day 2	-83.80046	36.00540
4/22/08 11:09	010	5703200	Normal	OK	19°C	56%	OK	OK	OK	Road Tracking Day 2	-83.79351	36.00437
4/22/08 11:09	011	5703199	Normal	OK	19°C	56%	OK	OK	OK	Road Tracking Day 2	-83.79758	36.00498
4/22/08 11:09	012	5703198	Normal	OK	19°C	55%	OK	OK	OK	Road Tracking Day 2	-83.79903	36.00519
4/22/08 11:28	013	5703197	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 2	-83.45224	36.03331
4/22/08 11:28	015	5703195	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 2	-83.45571	36.03164
4/22/08 11:29	005	5703190	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 2	-83.43726	36.03966
4/22/08 11:29	008	5703180	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 2	-83.43615	36.04012
4/22/08 11:29	009	5703201	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.43504	36.04059
4/22/08 11:29	011	5703199	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.43282	36.04153
4/22/08 11:29	012	5703198	Normal	OK	19°C	53%	OK	OK	OK	Road Tracking Day 2	-83.43393	36.04106
4/22/08 11:29	014	5703196	Normal	OK	20°C	51%	OK	OK	OK	Road Tracking Day 2	-83.44279	36.03731
4/22/08 11:29	016	5703191	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 2	-83.44502	36.03638
4/22/08 11:30	003	5703187	Normal	OK	19°C	53%	OK	OK	OK	Road Tracking Day 2	-83.43171	36.04200
4/22/08 11:30	004	5703188	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 2	-83.43060	36.04248
4/22/08 11:30	010	5703200	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.42948	36.04295
4/22/08 11:38	005	5703190	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 2	-83.29501	36.01395
4/22/08 11:38	006	5703179	Normal	OK	21°C	52%	OK	OK	OK	Road Tracking Day 2	-83.29610	36.01643
4/22/08 11:38	007	5703202	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 2	-83.29555	36.01520
4/22/08 11:38	008	5703180	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 2	-83.29445	36.01272
4/22/08 11:38	013	5703197	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 2	-83.29807	36.02000
4/22/08 11:38	014	5703196	Normal	OK	20°C	51%	OK	OK	OK	Road Tracking Day 2	-83.29665	36.01766
4/22/08 11:38	015	5703195	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 2	-83.29896	36.02109
4/22/08 11:38	016	5703191	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 2	-83.29730	36.01885
4/22/08 11:39	003	5703187	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 2	-83.29227	36.00780



**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/22/08 11:39	004	5703188	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 2	-83.29184	36.00682
4/22/08 11:39	009	5703201	Normal	OK	19°C	53%	OK	OK	OK	Road Tracking Day 2	-83.29392	36.01149
4/22/08 11:39	010	5703200	Normal	OK	20°C	55%	OK	OK	OK	Road Tracking Day 2	-83.29139	36.00583
4/22/08 11:39	011	5703199	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 2	-83.29282	36.00903
4/22/08 11:39	012	5703198	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 2	-83.29337	36.01026
4/22/08 11:48	005	5703190	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 2	-83.18562	35.89420
4/22/08 11:48	006	5703179	Normal	OK	21°C	51%	OK	OK	OK	Road Tracking Day 2	-83.18475	35.89702
4/22/08 11:48	007	5703202	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 2	-83.18519	35.89561
4/22/08 11:48	008	5703180	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 2	-83.18606	35.89279
4/22/08 11:48	013	5703197	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 2	-83.18397	35.90131
4/22/08 11:48	014	5703196	Normal	OK	20°C	50%	OK	OK	OK	Road Tracking Day 2	-83.18433	35.89843
4/22/08 11:48	015	5703195	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 2	-83.18411	35.90276
4/22/08 11:48	016	5703191	Normal	OK	20°C	51%	OK	OK	OK	Road Tracking Day 2	-83.18405	35.89986
4/22/08 11:49	003	5703187	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 2	-83.18763	35.88716
4/22/08 11:49	004	5703188	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 2	-83.18778	35.88573
4/22/08 11:49	009	5703201	Normal	OK	19°C	53%	OK	OK	OK	Road Tracking Day 2	-83.18649	35.89138
4/22/08 11:49	010	5703200	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 2	-83.18776	35.88428
4/22/08 11:49	011	5703199	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 2	-83.18733	35.88857
4/22/08 11:49	012	5703198	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 2	-83.18693	35.88997
4/22/08 11:58	013	5703197	Normal	OK	21°C	52%	OK	OK	OK	Road Tracking Day 2	-83.12278	35.79688
4/22/08 11:58	014	5703196	Normal	OK	20°C	50%	OK	OK	OK	Road Tracking Day 2	-83.12047	35.79752
4/22/08 11:58	015	5703195	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 2	-83.12469	35.79601
4/22/08 11:58	016	5703191	Normal	OK	20°C	51%	OK	OK	OK	Road Tracking Day 2	-83.12205	35.79718
4/22/08 11:59	005	5703190	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 2	-83.11394	35.79284
4/22/08 11:59	006	5703179	Normal	OK	21°C	51%	OK	OK	OK	Road Tracking Day 2	-83.11588	35.79640
4/22/08 11:59	007	5703202	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 2	-83.11423	35.79436
4/22/08 11:59	008	5703180	Normal	OK	21°C	52%	OK	OK	OK	Road Tracking Day 2	-83.11405	35.79195
4/22/08 11:59	009	5703201	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 2	-83.11542	35.78860
4/22/08 11:59	011	5703199	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 2	-83.11310	35.78648
4/22/08 11:59	012	5703198	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 2	-83.11499	35.78767
4/22/08 12:00	003	5703187	Normal	OK	20°C	51%	OK	OK	OK	Road Tracking Day 2	-83.11100	35.78454
4/22/08 12:00	004	5703188	Normal	OK	21°C	52%	OK	OK	OK	Road Tracking Day 2	-83.11042	35.78351
4/22/08 12:00	010	5703200	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 2	-83.10927	35.78162
4/22/08 12:38	007	5703202	Normal	OK	21°C	50%	OK	OK	OK	Road Tracking Day 2	-82.81709	35.55101
4/22/08 12:38	015	5703195	Normal	OK	21°C	51%	OK	OK	OK	Road Tracking Day 2	-82.82232	35.55378
4/22/08 12:51	004	5703188	Normal	OK	22°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75456	35.54369
4/22/08 12:58	013	5703197	Normal	OK	22°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 12:58	015	5703195	Normal	OK	22°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 12:58	016	5703191	Normal	OK	22°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 12:59	005	5703190	Normal	OK	22°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 12:59	006	5703179	Normal	OK	22°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 12:59	007	5703202	Normal	OK	22°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 12:59	008	5703180	Normal	OK	22°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 12:59	014	5703196	Normal	OK	22°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:00	003	5703187	Normal	OK	22°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:00	009	5703201	Normal	OK	21°C	52%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:00	011	5703199	Normal	OK	21°C	53%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:00	012	5703198	Normal	OK	21°C	52%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:01	004	5703188	Normal	OK	22°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:01	010	5703200	Normal	OK	21°C	53%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:08	006	5703179	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:08	007	5703202	Normal	OK	22°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:08	013	5703197	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:08	014	5703196	Normal	OK	22°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:08	015	5703195	Normal	OK	22°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:08	016	5703191	Normal	OK	22°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:09	003	5703187	Normal	OK	22°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:09	004	5703188	Normal	OK	22°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:09	005	5703190	Normal	OK	22°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:09	008	5703180	Normal	OK	22°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:09	009	5703201	Normal	OK	21°C	52%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:09	010	5703200	Normal	OK	22°C	53%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:09	011	5703199	Normal	OK	22°C	53%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:09	012	5703198	Normal	OK	22°C	52%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:18	013	5703197	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:18	015	5703195	Normal	OK	23°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:18	016	5703191	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:19	003	5703187	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:19	004	5703188	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:19	005	5703190	Normal	OK	23°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:19	006	5703179	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:19	007	5703202	Normal	OK	22°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:19	008	5703180	Normal	OK	23°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:19	009	5703201	Normal	OK	22°C	52%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:19	010	5703200	Normal	OK	22°C	53%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:19	011	5703199	Normal	OK	22°C	53%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:19	012	5703198	Normal	OK	22°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:19	014	5703196	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:28	013	5703197	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:28	015	5703195	Normal	OK	23°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/22/08 13:28	016	5703191	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:29	005	5703190	Normal	OK	24°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:29	006	5703179	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:29	007	5703202	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:29	014	5703196	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:30	008	5703180	Normal	OK	24°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:30	009	5703201	Normal	OK	23°C	52%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:30	011	5703199	Normal	OK	23°C	54%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:30	012	5703198	Normal	OK	23°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:31	003	5703187	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:31	004	5703188	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:31	010	5703200	Normal	OK	23°C	52%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:38	013	5703197	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:38	015	5703195	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:38	016	5703191	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:39	005	5703190	Normal	OK	24°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:39	006	5703179	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:39	007	5703202	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:39	014	5703196	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:40	008	5703180	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:40	009	5703201	Normal	OK	23°C	54%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:40	011	5703199	Normal	OK	24°C	53%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:40	012	5703198	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:41	003	5703187	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:41	004	5703188	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:41	010	5703200	Normal	OK	24°C	52%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:48	013	5703197	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:48	015	5703195	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:49	014	5703196	Normal	OK	26°C	48%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:49	016	5703191	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:50	005	5703190	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:50	006	5703179	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:50	007	5703202	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:51	008	5703180	Normal	OK	26°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:51	009	5703201	Normal	OK	24°C	52%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:52	003	5703187	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:52	011	5703199	Normal	OK	25°C	52%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:52	012	5703198	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:53	004	5703188	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:53	010	5703200	Normal	OK	25°C	52%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:58	013	5703197	Normal	OK	26°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:58	015	5703195	Normal	OK	26°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:59	014	5703196	Normal	OK	26°C	47%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 13:59	016	5703191	Normal	OK	26°C	47%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 14:00	005	5703190	Normal	OK	26°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 14:00	006	5703179	Normal	OK	26°C	48%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 14:00	007	5703202	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75499	35.54430
4/22/08 14:01	008	5703180	Normal	OK	26°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75476	35.54421
4/22/08 14:01	009	5703201	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 2	-82.75333	35.54316
4/22/08 14:02	003	5703187	Normal	OK	26°C	48%	OK	OK	OK	Road Tracking Day 2	-82.74682	35.54432
4/22/08 14:02	004	5703188	Normal	OK	26°C	48%	OK	OK	OK	Road Tracking Day 2	-82.74554	35.54558
4/22/08 14:02	010	5703200	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 2	-82.74476	35.54635
4/22/08 14:02	011	5703199	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 2	-82.74989	35.54248
4/22/08 14:02	012	5703198	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 2	-82.75284	35.54219
4/22/08 14:08	013	5703197	Normal	OK	27°C	48%	OK	OK	OK	Road Tracking Day 2	-82.64913	35.55831
4/22/08 14:08	015	5703195	Normal	OK	26°C	48%	OK	OK	OK	Road Tracking Day 2	-82.65009	35.55790
4/22/08 14:09	011	5703199	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 2	-82.63652	35.55908
4/22/08 14:18	006	5703179	Normal	OK	26°C	47%	OK	OK	OK	Road Tracking Day 2	-82.54319	35.45793
4/22/08 14:18	013	5703197	Normal	OK	27°C	47%	OK	OK	OK	Road Tracking Day 2	-82.54469	35.46063
4/22/08 14:18	014	5703196	Normal	OK	26°C	45%	OK	OK	OK	Road Tracking Day 2	-82.54356	35.45887
4/22/08 14:18	015	5703195	Normal	OK	26°C	47%	OK	OK	OK	Road Tracking Day 2	-82.54552	35.46167
4/22/08 14:18	016	5703191	Normal	OK	26°C	46%	OK	OK	OK	Road Tracking Day 2	-82.54406	35.45977
4/22/08 14:28	015	5703195	Normal	OK	26°C	47%	OK	OK	OK	Road Tracking Day 2	-82.45778	35.35752
4/22/08 14:38	006	5703179	Normal	OK	26°C	45%	OK	OK	OK	Road Tracking Day 2	-82.33265	35.24805
4/22/08 14:38	013	5703197	Normal	OK	26°C	46%	OK	OK	OK	Road Tracking Day 2	-82.33748	35.24923
4/22/08 14:38	014	5703196	Normal	OK	26°C	45%	OK	OK	OK	Road Tracking Day 2	-82.33518	35.24838
4/22/08 14:38	015	5703195	Normal	OK	26°C	47%	OK	OK	OK	Road Tracking Day 2	-82.33873	35.24994
4/22/08 14:38	016	5703191	Normal	OK	26°C	45%	OK	OK	OK	Road Tracking Day 2	-82.33637	35.24875
4/22/08 14:39	003	5703187	Normal	OK	26°C	46%	OK	OK	OK	Road Tracking Day 2	-82.31169	35.24684
4/22/08 14:39	005	5703190	Normal	OK	26°C	47%	OK	OK	OK	Road Tracking Day 2	-82.32168	35.24718
4/22/08 14:39	007	5703202	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-82.32438	35.24830
4/22/08 14:39	008	5703180	Normal	OK	26°C	47%	OK	OK	OK	Road Tracking Day 2	-82.31709	35.24634
4/22/08 14:39	009	5703201	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-82.31574	35.24643
4/22/08 14:39	011	5703199	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 2	-82.31303	35.24669
4/22/08 14:39	012	5703198	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-82.31438	35.24655
4/22/08 14:40	004	5703188	Normal	OK	26°C	46%	OK	OK	OK	Road Tracking Day 2	-82.30869	35.24714
4/22/08 14:40	010	5703200	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 2	-82.30503	35.24762
4/22/08 14:48	005	5703190	Normal	OK	26°C	47%	OK	OK	OK	Road Tracking Day 2	-82.18062	35.20536
4/22/08 14:48	006	5703179	Normal	OK	26°C	46%	OK	OK	OK	Road Tracking Day 2	-82.18158	35.20748
4/22/08 14:48	007	5703202	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-82.18118	35.20641

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/22/08 14:48	008	5703180	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-82.17993	35.20436
4/22/08 14:48	009	5703201	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-82.17912	35.20344
4/22/08 14:48	012	5703198	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 2	-82.17821	35.20259
4/22/08 14:48	013	5703197	Normal	OK	26°C	47%	OK	OK	OK	Road Tracking Day 2	-82.18239	35.21060
4/22/08 14:48	014	5703196	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 2	-82.18185	35.20854
4/22/08 14:48	015	5703195	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-82.18281	35.21160
4/22/08 14:48	016	5703191	Normal	OK	25°C	46%	OK	OK	OK	Road Tracking Day 2	-82.18210	35.20958
4/22/08 14:49	003	5703187	Normal	OK	26°C	46%	OK	OK	OK	Road Tracking Day 2	-82.17630	35.20096
4/22/08 14:49	004	5703188	Normal	OK	26°C	47%	OK	OK	OK	Road Tracking Day 2	-82.17536	35.20014
4/22/08 14:49	010	5703200	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 2	-82.17442	35.19933
4/22/08 14:49	011	5703199	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-82.17726	35.20177
4/22/08 14:58	013	5703197	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-82.05319	35.06968
4/22/08 14:58	015	5703195	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-82.05451	35.07332
4/22/08 14:59	003	5703187	Normal	OK	25°C	46%	OK	OK	OK	Road Tracking Day 2	-82.04631	35.05012
4/22/08 14:59	005	5703190	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-82.05008	35.05894
4/22/08 14:59	006	5703179	Normal	OK	26°C	46%	OK	OK	OK	Road Tracking Day 2	-82.05111	35.06204
4/22/08 14:59	007	5703202	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-82.05067	35.06065
4/22/08 14:59	008	5703180	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-82.04827	35.05416
4/22/08 14:59	009	5703201	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-82.04781	35.05305
4/22/08 14:59	011	5703199	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-82.04690	35.05117
4/22/08 14:59	012	5703198	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-82.04730	35.05197
4/22/08 14:59	014	5703196	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 2	-82.05167	35.06398
4/22/08 14:59	016	5703191	Normal	OK	25°C	46%	OK	OK	OK	Road Tracking Day 2	-82.05205	35.06539
4/22/08 15:00	004	5703188	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-82.04519	35.04833
4/22/08 15:00	010	5703200	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-82.04450	35.04731
4/22/08 15:08	006	5703179	Normal	OK	26°C	46%	OK	OK	OK	Road Tracking Day 2	-81.99022	34.91207
4/22/08 15:08	013	5703197	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.98923	34.91926
4/22/08 15:08	014	5703196	Normal	OK	25°C	45%	OK	OK	OK	Road Tracking Day 2	-81.98988	34.91460
4/22/08 15:08	015	5703195	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-81.98912	34.92009
4/22/08 15:08	016	5703191	Normal	OK	25°C	46%	OK	OK	OK	Road Tracking Day 2	-81.98942	34.91789
4/22/08 15:09	003	5703187	Normal	OK	25°C	46%	OK	OK	OK	Road Tracking Day 2	-81.99234	34.89767
4/22/08 15:09	004	5703188	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.99255	34.89626
4/22/08 15:09	005	5703190	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.99085	34.90750
4/22/08 15:09	007	5703202	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.99056	34.90951
4/22/08 15:09	008	5703180	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-81.99124	34.90499
4/22/08 15:09	009	5703201	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.99145	34.90360
4/22/08 15:09	010	5703200	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.99272	34.89512
4/22/08 15:09	011	5703199	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.99221	34.89851
4/22/08 15:09	012	5703198	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.99171	34.90188
4/22/08 15:18	005	5703190	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-81.95492	34.74799
4/22/08 15:18	006	5703179	Normal	OK	26°C	46%	OK	OK	OK	Road Tracking Day 2	-81.95502	34.75030
4/22/08 15:18	007	5703202	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.95499	34.74916
4/22/08 15:18	008	5703180	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 2	-81.95483	34.74681
4/22/08 15:18	009	5703201	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.95470	34.74503
4/22/08 15:18	013	5703197	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.95483	34.75368
4/22/08 15:18	014	5703196	Normal	OK	25°C	46%	OK	OK	OK	Road Tracking Day 2	-81.95500	34.75142
4/22/08 15:18	015	5703195	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-81.95473	34.75483
4/22/08 15:18	016	5703191	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.95493	34.75255
4/22/08 15:19	003	5703187	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.95445	34.74147
4/22/08 15:19	004	5703188	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.95437	34.74030
4/22/08 15:19	010	5703200	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.95428	34.73916
4/22/08 15:19	011	5703199	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.95452	34.74265
4/22/08 15:19	012	5703198	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.95461	34.74384
4/22/08 15:28	005	5703190	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-81.89319	34.58351
4/22/08 15:28	006	5703179	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.89290	34.58577
4/22/08 15:28	007	5703202	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-81.89305	34.58464
4/22/08 15:28	008	5703180	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 2	-81.89332	34.58238
4/22/08 15:28	009	5703201	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.89341	34.58124
4/22/08 15:28	013	5703197	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.89250	34.58925
4/22/08 15:28	014	5703196	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 2	-81.89276	34.58693
4/22/08 15:28	015	5703195	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-81.89236	34.59041
4/22/08 15:28	016	5703191	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.89263	34.58809
4/22/08 15:29	003	5703187	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.89350	34.57789
4/22/08 15:29	004	5703188	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.89338	34.57679
4/22/08 15:29	010	5703200	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.89321	34.57569
4/22/08 15:29	011	5703199	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.89355	34.57900
4/22/08 15:29	012	5703198	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.89351	34.58012
4/22/08 15:38	005	5703190	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-81.77713	34.44878
4/22/08 15:38	006	5703179	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.77935	34.45022
4/22/08 15:38	007	5703202	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.77823	34.44949
4/22/08 15:38	008	5703180	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 2	-81.77604	34.44807
4/22/08 15:38	009	5703201	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.77494	34.44736
4/22/08 15:38	013	5703197	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.78268	34.45242
4/22/08 15:38	014	5703196	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 2	-81.78047	34.45096
4/22/08 15:38	015	5703195	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.78377	34.45313
4/22/08 15:38	016	5703191	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 2	-81.78158	34.45170
4/22/08 15:39	003	5703187	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.77157	34.44522
4/22/08 15:39	004	5703188	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.77042	34.44455
4/22/08 15:39	010	5703200	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.76924	34.44388
4/22/08 15:39	011	5703199	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.77270	34.44589

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/22/08 15:39	012	5703198	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.77382	34.44662
4/22/08 15:48	005	5703190	Normal	OK	25°C	48%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:48	006	5703179	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:48	007	5703202	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:48	008	5703180	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:48	009	5703201	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:48	013	5703197	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:48	014	5703196	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:48	015	5703195	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:48	016	5703191	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:49	003	5703187	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:49	004	5703188	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:49	010	5703200	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:49	011	5703199	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:49	012	5703198	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:49	014	5703196	Alarm	OK	24°C	47%	Shocked:65	OK	OK	Shock (Staged)	-81.70724	34.41245
4/22/08 15:51	014	5703196	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 2	-81.70724	34.41245
4/22/08 15:58	005	5703190	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.68670	34.38706
4/22/08 15:58	006	5703179	Normal	OK	25°C	47%	OK	OK	OK	Road Tracking Day 2	-81.68785	34.38912
4/22/08 15:58	013	5703197	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 2	-81.68959	34.39218
4/22/08 15:58	014	5703196	Normal	OK	24°C	46%	OK	OK	OK	Road Tracking Day 2	-81.68844	34.39012
4/22/08 15:58	015	5703195	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.69017	34.39321
4/22/08 15:58	016	5703191	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 2	-81.68901	34.39115
4/22/08 16:08	013	5703197	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 2	-81.52815	34.28241
4/22/08 16:08	015	5703195	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.52932	34.28308
4/22/08 16:18	015	5703195	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.35155	34.19356
4/22/08 16:28	013	5703197	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.17339	34.09769
4/22/08 16:28	015	5703195	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.17428	34.09849
4/22/08 16:38	005	5703190	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:38	006	5703179	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:38	007	5703202	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:38	008	5703180	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:38	009	5703201	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:38	012	5703198	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:38	013	5703197	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:38	014	5703196	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:38	015	5703195	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:38	016	5703191	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:39	003	5703187	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:39	004	5703188	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:39	010	5703200	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:39	011	5703199	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.14879	34.01310
4/22/08 16:48	005	5703190	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.11057	34.00371
4/22/08 16:48	006	5703179	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 2	-81.11157	34.00389
4/22/08 16:48	007	5703202	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.11108	34.00380
4/22/08 16:48	008	5703180	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.11006	34.00363
4/22/08 16:48	009	5703201	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.10954	34.00354
4/22/08 16:48	013	5703197	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.11280	34.00411
4/22/08 16:48	014	5703196	Normal	OK	23°C	47%	OK	OK	OK	Road Tracking Day 2	-81.11203	34.00398
4/22/08 16:48	015	5703195	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.11310	34.00415
4/22/08 16:48	016	5703191	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.11245	34.00406
4/22/08 16:53	016	5703191	Alarm	OK	23°C	48%	Shocked:54	OK	OK	Shock (Staged)	-81.08599	33.99889
4/22/08 16:55	016	5703191	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.08599	33.99889
4/22/08 16:58	005	5703190	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.10736	34.00320
4/22/08 16:58	006	5703179	Normal	OK	24°C	47%	OK	OK	OK	Road Tracking Day 2	-81.10678	34.00301
4/22/08 16:58	007	5703202	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.10716	34.00314
4/22/08 16:58	008	5703180	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.10738	34.00320
4/22/08 16:58	009	5703201	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.10749	34.00324
4/22/08 16:58	012	5703198	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.10772	34.00330
4/22/08 16:58	013	5703197	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.10521	34.00240
4/22/08 16:58	014	5703196	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.10628	34.00283
4/22/08 16:58	015	5703195	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.10471	34.00217
4/22/08 16:58	016	5703191	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.10573	34.00262
4/22/08 16:59	004	5703188	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.10905	34.00364
4/22/08 16:59	011	5703199	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.10808	34.00340
4/22/08 17:08	005	5703190	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.19769	33.97228
4/22/08 17:08	006	5703179	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.19628	33.97557
4/22/08 17:08	007	5703202	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.19669	33.97463
4/22/08 17:08	013	5703197	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.19500	33.97856
4/22/08 17:08	014	5703196	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.19588	33.97652
4/22/08 17:08	015	5703195	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.19463	33.97943
4/22/08 17:08	016	5703191	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.19548	33.97744
4/22/08 17:09	003	5703187	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.20461	33.96741
4/22/08 17:09	004	5703188	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.20580	33.96702
4/22/08 17:09	008	5703180	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.19977	33.96949
4/22/08 17:09	009	5703201	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.20079	33.96882
4/22/08 17:09	010	5703200	Normal	OK	23°C	51%	OK	OK	OK	Road Tracking Day 2	-81.21028	33.96547
4/22/08 17:09	011	5703199	Normal	OK	23°C	51%	OK	OK	OK	Road Tracking Day 2	-81.20343	33.96782
4/22/08 17:09	012	5703198	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.20223	33.96822
4/22/08 17:18	005	5703190	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.36612	33.88734

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/22/08 17:18	006	5703179	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.36388	33.88860
4/22/08 17:18	007	5703202	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.36500	33.88797
4/22/08 17:18	008	5703180	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.36725	33.88669
4/22/08 17:18	009	5703201	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.36840	33.88603
4/22/08 17:18	012	5703198	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.36955	33.88537
4/22/08 17:18	013	5703197	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.36047	33.89052
4/22/08 17:18	014	5703196	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.36275	33.88924
4/22/08 17:18	015	5703195	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.35933	33.89117
4/22/08 17:18	016	5703191	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.36162	33.88988
4/22/08 17:19	003	5703187	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.37185	33.88405
4/22/08 17:19	004	5703188	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.37301	33.88340
4/22/08 17:19	010	5703200	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.37416	33.88274
4/22/08 17:19	011	5703199	Normal	OK	23°C	51%	OK	OK	OK	Road Tracking Day 2	-81.37070	33.88472
4/22/08 17:28	006	5703179	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.51233	33.76400
4/22/08 17:28	007	5703202	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.51338	33.76319
4/22/08 17:28	013	5703197	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.50915	33.76648
4/22/08 17:28	014	5703196	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.51127	33.76482
4/22/08 17:28	015	5703195	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.50780	33.76748
4/22/08 17:28	016	5703191	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.51021	33.76565
4/22/08 17:29	003	5703187	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.52782	33.75208
4/22/08 17:29	004	5703188	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.52887	33.75131
4/22/08 17:29	005	5703190	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.51781	33.75970
4/22/08 17:29	008	5703180	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.51990	33.75807
4/22/08 17:29	009	5703201	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.52120	33.75704
4/22/08 17:29	010	5703200	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.52992	33.75054
4/22/08 17:29	011	5703199	Normal	OK	23°C	51%	OK	OK	OK	Road Tracking Day 2	-81.52677	33.75284
4/22/08 17:29	012	5703198	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.52250	33.75602
4/22/08 17:38	005	5703190	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.68412	33.66186
4/22/08 17:38	006	5703179	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.68164	33.66302
4/22/08 17:38	007	5703202	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.68288	33.66244
4/22/08 17:38	013	5703197	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.67762	33.66490
4/22/08 17:38	014	5703196	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.68040	33.66360
4/22/08 17:38	015	5703195	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.67637	33.66547
4/22/08 17:38	016	5703191	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.67885	33.66432
4/22/08 17:39	003	5703187	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.69281	33.65853
4/22/08 17:39	004	5703188	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.69378	33.65818
4/22/08 17:39	008	5703180	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.68728	33.66053
4/22/08 17:39	009	5703201	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.68889	33.65993
4/22/08 17:39	010	5703200	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.69607	33.65737
4/22/08 17:39	011	5703199	Normal	OK	23°C	51%	OK	OK	OK	Road Tracking Day 2	-81.69150	33.65900
4/22/08 17:39	012	5703198	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.69020	33.65947
4/22/08 17:48	006	5703179	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.71981	33.58439
4/22/08 17:48	013	5703197	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.72089	33.58728
4/22/08 17:48	014	5703196	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.71999	33.58556
4/22/08 17:48	015	5703195	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.72192	33.58830
4/22/08 17:48	016	5703191	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.72044	33.58662
4/22/08 17:49	005	5703190	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.71996	33.58026
4/22/08 17:49	007	5703202	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.71982	33.58105
4/22/08 17:49	008	5703180	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 2	-81.72072	33.58037
4/22/08 17:49	009	5703201	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.72264	33.58080
4/22/08 17:49	011	5703199	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.72487	33.58201
4/22/08 17:49	012	5703198	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.72385	33.58135
4/22/08 17:58	013	5703197	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.76301	33.52944
4/22/08 17:58	014	5703196	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.76020	33.52954
4/22/08 17:58	015	5703195	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.76481	33.52963
4/22/08 17:58	016	5703191	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.76197	33.52943
4/22/08 17:59	003	5703187	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.74749	33.52859
4/22/08 17:59	005	5703190	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.75415	33.52934
4/22/08 17:59	006	5703179	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.75703	33.52965
4/22/08 17:59	007	5703202	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.75523	33.52948
4/22/08 17:59	008	5703180	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.75333	33.52924
4/22/08 17:59	009	5703201	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.75251	33.52915
4/22/08 18:08	006	5703179	Normal	OK	24°C	48%	OK	OK	OK	Road Tracking Day 2	-81.71221	33.50939
4/22/08 18:08	007	5703202	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.71194	33.50894
4/22/08 18:08	013	5703197	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.71292	33.51075
4/22/08 18:08	014	5703196	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.71250	33.50994
4/22/08 18:08	015	5703195	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.71309	33.51107
4/22/08 18:08	016	5703191	Normal	OK	23°C	49%	OK	OK	OK	Road Tracking Day 2	-81.71272	33.51037
4/22/08 18:09	003	5703187	Normal	OK	23°C	48%	OK	OK	OK	Road Tracking Day 2	-81.70933	33.50542
4/22/08 18:09	004	5703188	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.70900	33.50501
4/22/08 18:09	005	5703190	Normal	OK	24°C	49%	OK	OK	OK	Road Tracking Day 2	-81.71098	33.50756
4/22/08 18:09	008	5703180	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.71064	33.50712
4/22/08 18:09	009	5703201	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.71031	33.50668
4/22/08 18:09	010	5703200	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.70790	33.50361
4/22/08 18:09	011	5703199	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.70965	33.50584
4/22/08 18:09	012	5703198	Normal	OK	23°C	50%	OK	OK	OK	Road Tracking Day 2	-81.70998	33.50626
4/22/08 18:18	013	5703197	Normal	OK	24°C	49%	OK	OK	OK	<i>End of Day 2</i>	-81.71618	33.52038
4/22/08 18:18	015	5703195	Normal	OK	23°C	49%	OK	OK	OK	<i>End of Day 2</i>	-81.71608	33.52051
4/22/08 18:19	006	5703179	Normal	OK	24°C	48%	OK	OK	OK	<i>End of Day 2</i>	-81.71618	33.52038
4/22/08 18:19	007	5703202	Normal	OK	23°C	49%	OK	OK	OK	<i>End of Day 2</i>	-81.71618	33.52038

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/22/08 18:19	014	5703196	Normal	OK	23°C	48%	OK	OK	OK	End of Day 2	-81.71618	33.52038
4/23/08 8:00	010	5703200	Normal	OK	16°C	55%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:00	014	5703196	Normal	OK	15°C	55%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:01	006	5703179	Normal	OK	16°C	54%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:01	007	5703202	Normal	OK	15°C	54%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:01	011	5703199	Normal	OK	16°C	56%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:01	013	5703197	Normal	OK	15°C	57%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:01	016	5703191	Normal	OK	15°C	55%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:02	004	5703188	Normal	OK	15°C	56%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:02	005	5703190	Normal	OK	15°C	57%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:02	008	5703180	Normal	OK	16°C	56%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:02	009	5703201	Normal	OK	15°C	55%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:02	012	5703198	Normal	OK	15°C	56%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:02	015	5703195	Normal	OK	15°C	57%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:03	003	5703187	Normal	OK	15°C	55%	OK	OK	OK	Start of Day 3	-81.71762	33.52270
4/23/08 8:13	006	5703179	Normal	OK	16°C	56%	OK	OK	OK	Driving to CHR	-81.70381	33.49838
4/23/08 8:13	010	5703200	Normal	OK	16°C	55%	OK	OK	OK	Driving to CHR	-81.70565	33.50074
4/23/08 8:13	013	5703197	Normal	OK	16°C	57%	OK	OK	OK	Driving to CHR	-81.70232	33.49585
4/23/08 8:13	014	5703196	Normal	OK	15°C	55%	OK	OK	OK	Driving to CHR	-81.70486	33.49974
4/23/08 8:14	005	5703190	Normal	OK	15°C	57%	OK	OK	OK	Driving to CHR	-81.69984	33.49054
4/23/08 8:14	007	5703202	Normal	OK	15°C	56%	OK	OK	OK	Driving to CHR	-81.70172	33.49456
4/23/08 8:14	008	5703180	Normal	OK	16°C	56%	OK	OK	OK	Driving to CHR	-81.69950	33.48982
4/23/08 8:14	009	5703201	Normal	OK	15°C	55%	OK	OK	OK	Driving to CHR	-81.69951	33.48983
4/23/08 8:14	011	5703199	Normal	OK	16°C	56%	OK	OK	OK	Driving to CHR	-81.70076	33.49250
4/23/08 8:14	015	5703195	Normal	OK	16°C	57%	OK	OK	OK	Driving to CHR	-81.69960	33.49002
4/23/08 8:14	016	5703191	Normal	OK	15°C	55%	OK	OK	OK	Driving to CHR	-81.70113	33.49329
4/23/08 8:15	003	5703187	Normal	OK	15°C	55%	OK	OK	OK	Driving to CHR	-81.69749	33.48552
4/23/08 8:15	004	5703188	Normal	OK	15°C	57%	OK	OK	OK	Driving to CHR	-81.69791	33.48641
4/23/08 8:23	006	5703179	Normal	OK	16°C	56%	OK	OK	OK	Driving to CHR	-81.68461	33.39254
4/23/08 8:23	013	5703197	Normal	OK	16°C	57%	OK	OK	OK	Driving to CHR	-81.68462	33.39215
4/23/08 8:23	014	5703196	Normal	OK	16°C	55%	OK	OK	OK	Driving to CHR	-81.68459	33.39334
4/23/08 8:24	005	5703190	Normal	OK	15°C	57%	OK	OK	OK	Driving to CHR	-81.68526	33.39190
4/23/08 8:24	007	5703202	Normal	OK	15°C	57%	OK	OK	OK	Driving to CHR	-81.68467	33.39186
4/23/08 8:24	011	5703199	Normal	OK	16°C	56%	OK	OK	OK	Driving to CHR	-81.68477	33.39179
4/23/08 8:24	016	5703191	Normal	OK	16°C	55%	OK	OK	OK	Driving to CHR	-81.68477	33.39179
4/23/08 8:32	003	5703187	Normal	OK	15°C	56%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:32	004	5703188	Normal	OK	15°C	57%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:33	005	5703190	Normal	OK	16°C	57%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:33	006	5703179	Normal	OK	16°C	55%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:33	007	5703202	Normal	OK	15°C	56%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:33	010	5703200	Normal	OK	17°C	55%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:33	010	5703200	Normal	OK	17°C	55%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:33	011	5703199	Normal	OK	16°C	56%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:33	012	5703198	Normal	OK	16°C	56%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:33	013	5703197	Normal	OK	16°C	57%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:33	014	5703196	Normal	OK	16°C	55%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:33	015	5703195	Normal	OK	16°C	57%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:33	016	5703191	Normal	OK	16°C	55%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:34	003	5703187	Normal	OK	15°C	56%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:34	004	5703188	Normal	OK	16°C	57%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:34	008	5703180	Normal	OK	16°C	56%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:34	009	5703201	Normal	OK	16°C	55%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:34	009	5703201	Normal	OK	16°C	55%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:34	012	5703198	Normal	OK	16°C	56%	OK	OK	OK	Driving to CHR	-81.71267	33.38648
4/23/08 8:46	000	0	Normal	OK	0°C	0%	OK	OK	No Res	In-door Demo in HRC	-81.71267	33.38648
4/23/08 11:03	010	5703200	Warning	OK	20°C	Alarm:66	OK	OK	OK	Hi Ambient Humidity	-81.71267	33.38648
4/23/08 11:04	004	5703188	Warning	OK	19°C	Alarm:66	OK	OK	OK	Hi Ambient Humidity	-81.71267	33.38648
4/23/08 11:04	005	5703190	Warning	OK	19°C	Alarm:67	OK	OK	OK	Hi Ambient Humidity	-81.71267	33.38648
4/23/08 11:04	008	5703180	Warning	OK	19°C	Alarm:68	OK	OK	OK	Hi Ambient Humidity	-81.71267	33.38648
4/23/08 11:04	008	5703180	Alarm	OK	19°C	Alarm:68	OK	OK	OK	Hi Ambient Humidity	-81.71267	33.38648
4/23/08 11:04	010	5703200	Alarm	OK	20°C	Alarm:66	OK	OK	OK	Hi Ambient Humidity	-81.71267	33.38648
4/23/08 11:05	013	5703197	Normal	OK	20°C	63%	OK	OK	OK	Road Tracking Day 3	-81.71267	33.38648
4/23/08 11:17	000	0	Normal	OK	0°C	0%	OK	OK	No Res	Comm Not Available	-81.71267	33.38648
4/23/08 11:42	003	5703187	Normal	OK	19°C	63%	OK	OK	OK	Road Tracking Day 3	-81.68470	33.40314
4/23/08 11:42	009	5703201	Normal	OK	19°C	65%	OK	OK	OK	Road Tracking Day 3	-81.68485	33.40686
4/23/08 11:42	015	5703195	Normal	OK	20°C	62%	OK	OK	OK	Road Tracking Day 3	-81.68494	33.40929
4/23/08 11:43	005	5703190	Warning	OK	19°C	Alarm:66	OK	OK	OK	Hi Ambient Humidity	-81.68527	33.41713
4/23/08 11:43	010	5703200	Warning	OK	20°C	Alarm:66	OK	OK	OK	Hi Ambient Humidity	-81.68527	33.41784
4/23/08 11:43	012	5703198	Warning	OK	19°C	Alarm:66	OK	OK	OK	Hi Ambient Humidity	-81.68518	33.41507
4/23/08 11:44	006	5703179	Normal	OK	20°C	63%	OK	OK	OK	Residual Hi Humidity	-81.68528	33.41867
4/23/08 11:44	008	5703180	Alarm	OK	20°C	65%	OK	OK	OK	Hi Ambient Humidity	-81.68528	33.41867
4/23/08 11:44	008	5703180	Alarm	OK	20°C	65%	OK	OK	OK	Hi Ambient Humidity	-81.68528	33.41867
4/23/08 11:44	011	5703199	Normal	OK	19°C	65%	OK	OK	OK	Residual Hi Humidity	-81.68528	33.41825
4/23/08 11:44	011	5703199	Alarm	OK	19°C	65%	OK	OK	OK	Hi Ambient Humidity	-81.68528	33.41867
4/23/08 11:45	007	5703202	Normal	OK	19°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:45	013	5703197	Normal	OK	21°C	60%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:45	014	5703196	Normal	OK	20°C	60%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:47	008	5703180	Normal	OK	20°C	65%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:47	011	5703199	Normal	OK	20°C	65%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:48	016	5703188	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/23/08 11:48	016	5703191	Normal	OK	20°C	60%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:49	016	5703191	Normal	OK	20°C	60%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:58	003	5703187	Normal	OK	20°C	63%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:58	009	5703201	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:58	015	5703195	Normal	OK	20°C	61%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:59	005	5703190	Normal	OK	20°C	65%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:59	006	5703179	Normal	OK	20°C	62%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:59	007	5703202	Normal	OK	19°C	63%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:59	008	5703180	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:59	010	5703200	Normal	OK	20°C	65%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:59	011	5703199	Warning	OK	20°C	Alarm:66	OK	OK	OK	Residual Hi Humidity	-81.68528	33.41867
4/23/08 11:59	012	5703198	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 11:59	014	5703196	Normal	OK	20°C	60%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:00	013	5703197	Normal	OK	21°C	60%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:00	016	5703188	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:00	016	5703191	Normal	OK	20°C	60%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:08	003	5703187	Normal	OK	20°C	62%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:08	009	5703201	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:08	015	5703195	Normal	OK	20°C	61%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:09	005	5703190	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:09	006	5703179	Normal	OK	20°C	62%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:09	007	5703202	Normal	OK	20°C	63%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:09	008	5703180	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:09	010	5703200	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:09	011	5703199	Normal	OK	20°C	65%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:09	012	5703198	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:09	014	5703196	Normal	OK	20°C	60%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:10	013	5703197	Normal	OK	21°C	60%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:10	016	5703188	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:10	016	5703191	Normal	OK	20°C	60%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:18	003	5703187	Normal	OK	20°C	62%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:18	009	5703201	Normal	OK	20°C	63%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:18	012	5703198	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:18	015	5703195	Normal	OK	21°C	61%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:19	005	5703190	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:19	006	5703179	Normal	OK	21°C	61%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:19	007	5703202	Normal	OK	20°C	63%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:19	008	5703180	Normal	OK	21°C	63%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:19	010	5703200	Normal	OK	20°C	64%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:19	011	5703199	Normal	OK	20°C	65%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:19	014	5703196	Normal	OK	21°C	60%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:20	013	5703197	Normal	OK	21°C	61%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:20	016	5703188	Normal	OK	20°C	63%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:20	016	5703191	Normal	OK	21°C	60%	OK	OK	OK	Road Tracking Day 3	-81.68528	33.41867
4/23/08 12:26	016	5703191	Normal	OK	21°C	60%	OK	OK	OK	Road Tracking Day 3	-81.69541	33.48146
4/23/08 12:38	005	5703190	Normal	OK	21°C	63%	OK	OK	OK	Road Tracking Day 3	-81.76821	33.53070
4/23/08 12:45	005	5703190	Normal	OK	21°C	62%	OK	OK	OK	Road Tracking Day 3	-81.76307	33.58112
4/23/08 12:45	006	5703179	Normal	OK	22°C	60%	OK	OK	OK	Road Tracking Day 3	-81.76188	33.58213
4/23/08 12:45	008	5703180	Normal	OK	21°C	63%	OK	OK	OK	Road Tracking Day 3	-81.76246	33.58163
4/23/08 12:45	009	5703201	Normal	OK	21°C	62%	OK	OK	OK	Road Tracking Day 3	-81.76007	33.58365
4/23/08 12:45	013	5703197	Normal	OK	22°C	60%	OK	OK	OK	Road Tracking Day 3	-81.76129	33.58262
4/23/08 12:45	015	5703195	Normal	OK	22°C	60%	OK	OK	OK	Road Tracking Day 3	-81.76069	33.58313
4/23/08 12:45	016	5703191	Normal	OK	21°C	59%	OK	OK	OK	Road Tracking Day 3	-81.75946	33.58418
4/23/08 12:46	003	5703187	Normal	OK	21°C	60%	OK	OK	OK	Road Tracking Day 3	-81.75412	33.58866
4/23/08 12:46	004	5703188	Normal	OK	21°C	62%	OK	OK	OK	Road Tracking Day 3	-81.75024	33.58976
4/23/08 12:46	007	5703202	Normal	OK	21°C	62%	OK	OK	OK	Road Tracking Day 3	-81.75555	33.58752
4/23/08 12:46	010	5703200	Normal	OK	21°C	63%	OK	OK	OK	Road Tracking Day 3	-81.74927	33.58970
4/23/08 12:46	011	5703199	Normal	OK	21°C	63%	OK	OK	OK	Road Tracking Day 3	-81.75117	33.58970
4/23/08 12:46	012	5703198	Normal	OK	21°C	63%	OK	OK	OK	Road Tracking Day 3	-81.75725	33.58606
4/23/08 12:46	014	5703196	Normal	OK	21°C	59%	OK	OK	OK	Road Tracking Day 3	-81.75782	33.58557
4/23/08 12:55	005	5703190	Normal	OK	21°C	62%	OK	OK	OK	Road Tracking Day 3	-81.73478	33.63036
4/23/08 12:55	006	5703179	Normal	OK	22°C	60%	OK	OK	OK	Road Tracking Day 3	-81.73538	33.63194
4/23/08 12:55	008	5703180	Normal	OK	21°C	62%	OK	OK	OK	Road Tracking Day 3	-81.73507	33.63116
4/23/08 12:55	009	5703201	Normal	OK	21°C	62%	OK	OK	OK	Road Tracking Day 3	-81.73645	33.63424
4/23/08 12:55	013	5703197	Normal	OK	22°C	59%	OK	OK	OK	Road Tracking Day 3	-81.73574	33.63270
4/23/08 12:55	015	5703195	Normal	OK	22°C	60%	OK	OK	OK	Road Tracking Day 3	-81.73610	33.63348
4/23/08 12:56	003	5703187	Normal	OK	21°C	60%	OK	OK	OK	Road Tracking Day 3	-81.73951	33.63867
4/23/08 12:56	004	5703188	Normal	OK	21°C	61%	OK	OK	OK	Road Tracking Day 3	-81.73716	33.64017
4/23/08 12:56	007	5703202	Normal	OK	21°C	62%	OK	OK	OK	Road Tracking Day 3	-81.73943	33.63840
4/23/08 12:56	010	5703200	Normal	OK	21°C	63%	OK	OK	OK	Road Tracking Day 3	-81.73620	33.64058
4/23/08 12:56	011	5703199	Normal	OK	21°C	63%	OK	OK	OK	Road Tracking Day 3	-81.73811	33.63964
4/23/08 12:56	012	5703198	Normal	OK	21°C	62%	OK	OK	OK	Road Tracking Day 3	-81.73913	33.63812
4/23/08 12:56	014	5703196	Normal	OK	22°C	58%	OK	OK	OK	Road Tracking Day 3	-81.73863	33.63758
4/23/08 12:56	016	5703191	Normal	OK	22°C	59%	OK	OK	OK	Road Tracking Day 3	-81.73815	33.63692
4/23/08 13:05	005	5703190	Normal	OK	22°C	61%	OK	OK	OK	Road Tracking Day 3	-81.58594	33.70880
4/23/08 13:05	006	5703179	Normal	OK	22°C	59%	OK	OK	OK	Road Tracking Day 3	-81.58259	33.71074
4/23/08 13:05	008	5703180	Normal	OK	22°C	62%	OK	OK	OK	Road Tracking Day 3	-81.58365	33.71002
4/23/08 13:05	013	5703197	Normal	OK	22°C	59%	OK	OK	OK	Road Tracking Day 3	-81.58031	33.71245
4/23/08 13:06	003	5703187	Normal	OK	21°C	60%	OK	OK	OK	Road Tracking Day 3	-81.56671	33.72269
4/23/08 13:06	004	5703188	Normal	OK	22°C	60%	OK	OK	OK	Road Tracking Day 3	-81.56420	33.72463

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/23/08 13:06	007	5703202	Normal	OK	21 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.56772	33.72193
4/23/08 13:06	009	5703201	Normal	OK	21 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.57374	33.71739
4/23/08 13:06	011	5703199	Normal	OK	21 °C	63%	OK	OK	OK	Road Tracking Day 3	-81.56570	33.72347
4/23/08 13:06	012	5703198	Normal	OK	21 °C	62%	OK	OK	OK	Road Tracking Day 3	-81.56872	33.72117
4/23/08 13:06	014	5703196	Normal	OK	22 °C	58%	OK	OK	OK	Road Tracking Day 3	-81.57172	33.71891
4/23/08 13:06	015	5703195	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.57551	33.71606
4/23/08 13:06	016	5703191	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.57273	33.71815
4/23/08 13:07	010	5703200	Normal	OK	21 °C	63%	OK	OK	OK	Road Tracking Day 3	-81.56293	33.72558
4/23/08 13:15	005	5703190	Normal	OK	22 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.43731	33.82731
4/23/08 13:15	006	5703179	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.43425	33.82926
4/23/08 13:15	008	5703180	Normal	OK	22 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.43564	33.82838
4/23/08 13:15	009	5703201	Normal	OK	21 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.43038	33.83175
4/23/08 13:15	013	5703197	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.43287	33.83016
4/23/08 13:15	015	5703195	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.43149	33.83105
4/23/08 13:15	016	5703191	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.42900	33.83264
4/23/08 13:16	003	5703187	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.42393	33.83624
4/23/08 13:16	004	5703188	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.42115	33.83847
4/23/08 13:16	007	5703202	Normal	OK	21 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.42495	33.83543
4/23/08 13:16	010	5703200	Normal	OK	22 °C	62%	OK	OK	OK	Road Tracking Day 3	-81.41988	33.83948
4/23/08 13:16	011	5703199	Normal	OK	21 °C	62%	OK	OK	OK	Road Tracking Day 3	-81.42241	33.83746
4/23/08 13:16	012	5703198	Normal	OK	21 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.42626	33.83445
4/23/08 13:16	014	5703196	Normal	OK	22 °C	57%	OK	OK	OK	Road Tracking Day 3	-81.42762	33.83353
4/23/08 13:25	005	5703190	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.27542	33.93503
4/23/08 13:25	006	5703179	Normal	OK	22 °C	58%	OK	OK	OK	Road Tracking Day 3	-81.27250	33.93664
4/23/08 13:25	008	5703180	Normal	OK	22 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.27397	33.93584
4/23/08 13:25	009	5703201	Normal	OK	21 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.26808	33.93902
4/23/08 13:25	013	5703197	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.27103	33.93743
4/23/08 13:25	015	5703195	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.26956	33.93823
4/23/08 13:25	016	5703191	Normal	OK	22 °C	58%	OK	OK	OK	Road Tracking Day 3	-81.26660	33.93982
4/23/08 13:26	003	5703187	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.26071	33.94302
4/23/08 13:26	004	5703188	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.25777	33.94461
4/23/08 13:26	007	5703202	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.26217	33.94223
4/23/08 13:26	010	5703200	Normal	OK	22 °C	62%	OK	OK	OK	Road Tracking Day 3	-81.25660	33.94525
4/23/08 13:26	011	5703199	Normal	OK	21 °C	62%	OK	OK	OK	Road Tracking Day 3	-81.25924	33.94382
4/23/08 13:26	012	5703198	Normal	OK	21 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.26366	33.94142
4/23/08 13:26	014	5703196	Normal	OK	22 °C	57%	OK	OK	OK	Road Tracking Day 3	-81.26513	33.94063
4/23/08 13:35	005	5703190	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.12054	34.03218
4/23/08 13:35	006	5703179	Normal	OK	22 °C	58%	OK	OK	OK	Road Tracking Day 3	-81.11877	34.03362
4/23/08 13:35	008	5703180	Normal	OK	22 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.11967	34.03292
4/23/08 13:35	009	5703201	Normal	OK	21 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.11529	34.03535
4/23/08 13:35	013	5703197	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.11778	34.03425
4/23/08 13:35	014	5703196	Normal	OK	22 °C	57%	OK	OK	OK	Road Tracking Day 3	-81.11257	34.03614
4/23/08 13:35	015	5703195	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.11671	34.03481
4/23/08 13:35	016	5703191	Normal	OK	22 °C	58%	OK	OK	OK	Road Tracking Day 3	-81.11389	34.03576
4/23/08 13:36	003	5703187	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.10921	34.03701
4/23/08 13:36	004	5703188	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.10810	34.03659
4/23/08 13:36	007	5703202	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.11018	34.03679
4/23/08 13:36	010	5703200	Normal	OK	22 °C	62%	OK	OK	OK	Road Tracking Day 3	-81.10820	34.03607
4/23/08 13:36	011	5703199	Normal	OK	22 °C	62%	OK	OK	OK	Road Tracking Day 3	-81.10848	34.03697
4/23/08 13:36	012	5703198	Normal	OK	22 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.11134	34.03649
4/23/08 13:57	000	0	Normal	OK	0 °C	0%	OK	OK	No Res	Comm Not Available	-81.28476	34.16436
4/23/08 14:02	006	5703179	Normal	OK	23 °C	57%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:02	009	5703201	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:02	011	5703199	Normal	OK	22 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:02	016	5703191	Normal	OK	22 °C	57%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:03	003	5703187	Normal	OK	22 °C	58%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:03	004	5703188	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:03	012	5703198	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:03	013	5703197	Normal	OK	23 °C	58%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:03	015	5703195	Normal	OK	23 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:04	007	5703202	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:04	008	5703180	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:04	010	5703200	Normal	OK	22 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:04	014	5703196	Normal	OK	22 °C	57%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:05	005	5703190	Normal	OK	23 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:07	013	5703197	Alarm	OK	23 °C	58%	Shocked:102	OK	OK	Shock Staged (>10)	-81.28476	34.16436
4/23/08 14:08	013	5703197	Normal	OK	23 °C	58%	OK	OK	OK	Road Tracking Day 3	-81.28476	34.16436
4/23/08 14:15	003	5703187	Normal	OK	23 °C	58%	OK	OK	OK	Road Tracking Day 3	-81.38255	34.20948
4/23/08 14:15	004	5703188	Normal	OK	23 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.38629	34.21101
4/23/08 14:15	006	5703179	Normal	OK	23 °C	57%	OK	OK	OK	Road Tracking Day 3	-81.37758	34.20740
4/23/08 14:15	009	5703201	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.38129	34.20898
4/23/08 14:15	010	5703200	Normal	OK	22 °C	61%	OK	OK	OK	Road Tracking Day 3	-81.38884	34.21202
4/23/08 14:15	011	5703199	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.38008	34.20844
4/23/08 14:15	012	5703198	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.38381	34.20998
4/23/08 14:15	013	5703197	Normal	OK	23 °C	57%	OK	OK	OK	Road Tracking Day 3	-81.38505	34.21049
4/23/08 14:15	015	5703195	Normal	OK	23 °C	58%	OK	OK	OK	Road Tracking Day 3	-81.38757	34.21151
4/23/08 14:15	016	5703191	Normal	OK	23 °C	57%	OK	OK	OK	Road Tracking Day 3	-81.37882	34.20793
4/23/08 14:16	005	5703190	Normal	OK	23 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.39375	34.21405
4/23/08 14:16	007	5703202	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 3	-81.39130	34.21304
4/23/08 14:16	008	5703180	Normal	OK	23 °C	60%	OK	OK	OK	Road Tracking Day 3	-81.39252	34.21354



**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/23/08 14:16	014	5703196	Normal	OK	23°C	57%	OK	OK	OK	Road Tracking Day 3	-81.39008	34.21253
4/23/08 14:25	006	5703179	Normal	OK	23°C	57%	OK	OK	OK	Road Tracking Day 3	-81.55221	34.29767
4/23/08 14:25	009	5703201	Normal	OK	22°C	60%	OK	OK	OK	Road Tracking Day 3	-81.56146	34.30383
4/23/08 14:25	011	5703199	Normal	OK	22°C	60%	OK	OK	OK	Road Tracking Day 3	-81.55916	34.30249
4/23/08 14:25	016	5703191	Normal	OK	23°C	57%	OK	OK	OK	Road Tracking Day 3	-81.55620	34.30045
4/23/08 14:26	003	5703187	Normal	OK	23°C	58%	OK	OK	OK	Road Tracking Day 3	-81.56319	34.30480
4/23/08 14:26	004	5703188	Normal	OK	23°C	59%	OK	OK	OK	Road Tracking Day 3	-81.57034	34.30894
4/23/08 14:26	010	5703200	Normal	OK	23°C	61%	OK	OK	OK	Road Tracking Day 3	-81.57667	34.31255
4/23/08 14:26	012	5703198	Normal	OK	22°C	60%	OK	OK	OK	Road Tracking Day 3	-81.56434	34.30546
4/23/08 14:26	013	5703197	Normal	OK	23°C	57%	OK	OK	OK	Road Tracking Day 3	-81.56551	34.30612
4/23/08 14:26	014	5703196	Normal	OK	23°C	57%	OK	OK	OK	Road Tracking Day 3	-81.57897	34.31386
4/23/08 14:26	015	5703195	Normal	OK	23°C	58%	OK	OK	OK	Road Tracking Day 3	-81.57349	34.31072
4/23/08 14:27	005	5703190	Normal	OK	23°C	59%	OK	OK	OK	Road Tracking Day 3	-81.58298	34.31616
4/23/08 14:27	007	5703202	Normal	OK	23°C	59%	OK	OK	OK	Road Tracking Day 3	-81.58068	34.31484
4/23/08 14:27	008	5703180	Normal	OK	23°C	60%	OK	OK	OK	Road Tracking Day 3	-81.58184	34.31550
4/23/08 14:35	006	5703179	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-81.70466	34.41344
4/23/08 14:35	011	5703199	Normal	OK	23°C	60%	OK	OK	OK	Road Tracking Day 3	-81.70517	34.41352
4/23/08 14:35	016	5703191	Normal	OK	23°C	57%	OK	OK	OK	Road Tracking Day 3	-81.70500	34.41353
4/23/08 14:36	003	5703187	Normal	OK	23°C	57%	OK	OK	OK	Road Tracking Day 3	-81.70531	34.41352
4/23/08 14:36	004	5703188	Normal	OK	23°C	58%	OK	OK	OK	Road Tracking Day 3	-81.70531	34.41352
4/23/08 14:36	005	5703190	Normal	OK	23°C	59%	OK	OK	OK	Road Tracking Day 3	-81.70531	34.41352
4/23/08 14:36	007	5703202	Normal	OK	23°C	59%	OK	OK	OK	Road Tracking Day 3	-81.70531	34.41352
4/23/08 14:36	008	5703180	Normal	OK	23°C	60%	OK	OK	OK	Road Tracking Day 3	-81.70531	34.41352
4/23/08 14:36	009	5703201	Normal	OK	22°C	59%	OK	OK	OK	Road Tracking Day 3	-81.70529	34.41352
4/23/08 14:36	010	5703200	Normal	OK	23°C	60%	OK	OK	OK	Road Tracking Day 3	-81.70531	34.41352
4/23/08 14:36	012	5703198	Normal	OK	23°C	60%	OK	OK	OK	Road Tracking Day 3	-81.70531	34.41352
4/23/08 14:36	013	5703197	Normal	OK	23°C	57%	OK	OK	OK	Road Tracking Day 3	-81.70531	34.41352
4/23/08 14:36	014	5703196	Normal	OK	23°C	56%	OK	OK	OK	Road Tracking Day 3	-81.70531	34.41352
4/23/08 14:36	015	5703195	Normal	OK	23°C	58%	OK	OK	OK	Road Tracking Day 3	-81.70531	34.41352
4/23/08 14:48	000	0	Normal	OK	0°C	0%	OK	OK	No Res	Comm Not Available	-81.70753	34.41471
4/23/08 14:59	008	5703180	Normal	OK	23°C	59%	OK	OK	OK	Road Tracking Day 3	-81.88400	34.53716
4/23/08 14:59	011	5703199	Normal	OK	23°C	60%	OK	OK	OK	Road Tracking Day 3	-81.88107	34.52861
4/23/08 14:59	015	5703195	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-81.88515	34.54108
4/23/08 15:00	009	5703201	Normal	OK	23°C	59%	OK	OK	OK	Road Tracking Day 3	-81.88887	34.55393
4/23/08 15:00	012	5703198	Normal	OK	23°C	59%	OK	OK	OK	Road Tracking Day 3	-81.88713	34.54787
4/23/08 15:01	003	5703187	Normal	OK	23°C	57%	OK	OK	OK	Road Tracking Day 3	-81.89285	34.57499
4/23/08 15:01	005	5703190	Normal	OK	24°C	58%	OK	OK	OK	Road Tracking Day 3	-81.89143	34.56558
4/23/08 15:01	013	5703197	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-81.89075	34.56128
4/23/08 15:02	006	5703179	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-81.89315	34.58168
4/23/08 15:02	007	5703202	Normal	OK	23°C	58%	OK	OK	OK	Road Tracking Day 3	-81.89178	34.59326
4/23/08 15:02	010	5703200	Normal	OK	23°C	60%	OK	OK	OK	Road Tracking Day 3	-81.89330	34.57935
4/23/08 15:02	014	5703196	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-81.89292	34.58373
4/23/08 15:02	016	5703191	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-81.89246	34.58748
4/23/08 15:03	004	5703188	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-81.89124	34.59789
4/23/08 15:13	008	5703180	Normal	OK	24°C	59%	OK	OK	OK	Road Tracking Day 3	-81.95369	34.77005
4/23/08 15:13	011	5703199	Normal	OK	23°C	59%	OK	OK	OK	Road Tracking Day 3	-81.95385	34.76518
4/23/08 15:14	003	5703187	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-81.95530	34.78698
4/23/08 15:14	005	5703190	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-81.95515	34.78611
4/23/08 15:14	006	5703179	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-81.95580	34.78961
4/23/08 15:14	009	5703201	Normal	OK	23°C	58%	OK	OK	OK	Road Tracking Day 3	-81.95429	34.78153
4/23/08 15:14	010	5703200	Normal	OK	23°C	60%	OK	OK	OK	Road Tracking Day 3	-81.95558	34.78844
4/23/08 15:14	012	5703198	Normal	OK	23°C	59%	OK	OK	OK	Road Tracking Day 3	-81.95374	34.77837
4/23/08 15:14	013	5703197	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-81.95494	34.78496
4/23/08 15:14	014	5703196	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-81.95602	34.79084
4/23/08 15:14	015	5703195	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-81.95353	34.77490
4/23/08 15:15	004	5703188	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-81.95751	34.79659
4/23/08 15:15	007	5703202	Normal	OK	23°C	58%	OK	OK	OK	Road Tracking Day 3	-81.95703	34.79523
4/23/08 15:15	016	5703191	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-81.95624	34.79207
4/23/08 15:23	008	5703180	Normal	OK	24°C	58%	OK	OK	OK	Road Tracking Day 3	-81.99299	34.93337
4/23/08 15:23	011	5703199	Normal	OK	23°C	59%	OK	OK	OK	Road Tracking Day 3	-81.99095	34.93092
4/23/08 15:23	012	5703198	Normal	OK	23°C	58%	OK	OK	OK	Road Tracking Day 3	-81.99672	34.93713
4/23/08 15:23	015	5703195	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-81.99424	34.93461
4/23/08 15:24	003	5703187	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-82.00118	34.94214
4/23/08 15:24	005	5703190	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.00041	34.94096
4/23/08 15:24	006	5703179	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-82.00169	34.94694
4/23/08 15:24	007	5703202	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.00160	34.95066
4/23/08 15:24	009	5703201	Normal	OK	23°C	58%	OK	OK	OK	Road Tracking Day 3	-81.99860	34.93905
4/23/08 15:24	010	5703200	Normal	OK	23°C	60%	OK	OK	OK	Road Tracking Day 3	-82.00171	34.94585
4/23/08 15:24	013	5703197	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-81.99941	34.93989
4/23/08 15:24	014	5703196	Normal	OK	24°C	55%	OK	OK	OK	Road Tracking Day 3	-82.00167	34.94802
4/23/08 15:24	016	5703191	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-82.00163	34.94960
4/23/08 15:25	004	5703188	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.00280	34.95586
4/23/08 15:33	008	5703180	Normal	OK	24°C	58%	OK	OK	OK	Road Tracking Day 3	-82.06833	35.08733
4/23/08 15:33	011	5703199	Normal	OK	24°C	59%	OK	OK	OK	Road Tracking Day 3	-82.06419	35.08271
4/23/08 15:34	003	5703187	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-82.07953	35.10513
4/23/08 15:34	005	5703190	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.07817	35.10343
4/23/08 15:34	009	5703201	Normal	OK	23°C	58%	OK	OK	OK	Road Tracking Day 3	-82.07402	35.09700
4/23/08 15:34	012	5703198	Normal	OK	23°C	58%	OK	OK	OK	Road Tracking Day 3	-82.07229	35.09411
4/23/08 15:34	013	5703197	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-82.07708	35.10192
4/23/08 15:34	015	5703195	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.07079	35.09149

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/23/08 15:35	004	5703188	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.08821	35.11740
4/23/08 15:35	006	5703179	Normal	OK	25°C	56%	OK	OK	OK	Road Tracking Day 3	-82.08358	35.11025
4/23/08 15:35	007	5703202	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.08611	35.11406
4/23/08 15:35	010	5703200	Normal	OK	24°C	60%	OK	OK	OK	Road Tracking Day 3	-82.08283	35.10925
4/23/08 15:35	014	5703196	Normal	OK	24°C	55%	OK	OK	OK	Road Tracking Day 3	-82.08412	35.11099
4/23/08 15:35	016	5703191	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-82.08531	35.11277
4/23/08 15:43	008	5703180	Normal	OK	24°C	58%	OK	OK	OK	Road Tracking Day 3	-82.19062	35.21759
4/23/08 15:43	009	5703201	Normal	OK	23°C	57%	OK	OK	OK	Road Tracking Day 3	-82.19371	35.22007
4/23/08 15:43	011	5703199	Normal	OK	24°C	59%	OK	OK	OK	Road Tracking Day 3	-82.18898	35.21665
4/23/08 15:43	012	5703198	Normal	OK	24°C	58%	OK	OK	OK	Road Tracking Day 3	-82.19284	35.21924
4/23/08 15:43	015	5703195	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.19167	35.21828
4/23/08 15:44	003	5703187	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-82.19901	35.22732
4/23/08 15:44	004	5703188	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-82.20424	35.23610
4/23/08 15:44	005	5703190	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.19704	35.22446
4/23/08 15:44	006	5703179	Normal	OK	25°C	55%	OK	OK	OK	Road Tracking Day 3	-82.20231	35.23203
4/23/08 15:44	007	5703202	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.20389	35.23505
4/23/08 15:44	010	5703200	Normal	OK	24°C	59%	OK	OK	OK	Road Tracking Day 3	-82.20148	35.23085
4/23/08 15:44	014	5703196	Normal	OK	24°C	55%	OK	OK	OK	Road Tracking Day 3	-82.20292	35.23300
4/23/08 15:44	016	5703191	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-82.20345	35.23401
4/23/08 15:53	009	5703201	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.34953	35.25493
4/23/08 15:53	012	5703198	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.34638	35.25400
4/23/08 15:54	003	5703187	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-82.35725	35.26239
4/23/08 15:54	005	5703190	Normal	OK	25°C	56%	OK	OK	OK	Road Tracking Day 3	-82.35528	35.25932
4/23/08 15:54	006	5703179	Normal	OK	25°C	55%	OK	OK	OK	Road Tracking Day 3	-82.36009	35.26346
4/23/08 15:54	010	5703200	Normal	OK	24°C	59%	OK	OK	OK	Road Tracking Day 3	-82.35859	35.26311
4/23/08 15:54	014	5703196	Normal	OK	24°C	54%	OK	OK	OK	Road Tracking Day 3	-82.36159	35.26367
4/23/08 15:54	016	5703191	Normal	OK	24°C	55%	OK	OK	OK	Road Tracking Day 3	-82.36305	35.26399
4/23/08 15:55	007	5703202	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.36439	35.26459
4/23/08 15:56	004	5703188	Normal	OK	25°C	56%	OK	OK	OK	Road Tracking Day 3	-82.37633	35.27585
4/23/08 16:07	003	5703187	Normal	OK	24°C	55%	OK	OK	OK	Road Tracking Day 3	-82.51620	35.40722
4/23/08 16:07	005	5703190	Normal	OK	25°C	56%	OK	OK	OK	Road Tracking Day 3	-82.51554	35.40631
4/23/08 16:07	006	5703179	Normal	OK	25°C	54%	OK	OK	OK	Road Tracking Day 3	-82.51752	35.40903
4/23/08 16:07	008	5703180	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.51290	35.40272
4/23/08 16:07	009	5703201	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.51488	35.40542
4/23/08 16:07	010	5703200	Normal	OK	24°C	58%	OK	OK	OK	Road Tracking Day 3	-82.51686	35.40813
4/23/08 16:07	011	5703199	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.51215	35.40187
4/23/08 16:07	012	5703198	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.51421	35.40452
4/23/08 16:08	004	5703188	Normal	OK	25°C	55%	OK	OK	OK	Road Tracking Day 3	-82.52017	35.41265
4/23/08 16:08	007	5703202	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-82.51950	35.41175
4/23/08 16:08	014	5703196	Normal	OK	25°C	54%	OK	OK	OK	Road Tracking Day 3	-82.51818	35.40994
4/23/08 16:08	016	5703191	Normal	OK	24°C	55%	OK	OK	OK	Road Tracking Day 3	-82.51884	35.41084
4/23/08 16:19	005	5703190	Normal	OK	25°C	56%	OK	OK	OK	Road Tracking Day 3	-82.60982	35.55262
4/23/08 16:19	009	5703201	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.61896	35.55627
4/23/08 16:19	010	5703200	Normal	OK	24°C	58%	OK	OK	OK	Road Tracking Day 3	-82.61578	35.55570
4/23/08 16:19	012	5703198	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.61134	35.55431
4/23/08 16:28	003	5703187	Normal	OK	25°C	55%	OK	OK	OK	Road Tracking Day 3	-82.75310	35.54291
4/23/08 16:28	005	5703190	Normal	OK	25°C	55%	OK	OK	OK	Road Tracking Day 3	-82.75294	35.54274
4/23/08 16:28	008	5703180	Normal	OK	25°C	57%	OK	OK	OK	Road Tracking Day 3	-82.75116	35.54265
4/23/08 16:28	009	5703201	Normal	OK	24°C	56%	OK	OK	OK	Road Tracking Day 3	-82.75276	35.54272
4/23/08 16:28	011	5703199	Normal	OK	25°C	57%	OK	OK	OK	Road Tracking Day 3	-82.74897	35.54306
4/23/08 16:28	012	5703198	Normal	OK	24°C	57%	OK	OK	OK	Road Tracking Day 3	-82.75260	35.54271
4/23/08 16:28	015	5703195	Normal	OK	25°C	56%	OK	OK	OK	Road Tracking Day 3	-82.75200	35.54268
4/23/08 16:29	006	5703179	Normal	OK	26°C	54%	OK	OK	OK	Road Tracking Day 3	-82.75397	35.54375
4/23/08 16:29	010	5703200	Normal	OK	24°C	58%	OK	OK	OK	Road Tracking Day 3	-82.75346	35.54337
4/23/08 16:29	014	5703196	Normal	OK	25°C	53%	OK	OK	OK	Road Tracking Day 3	-82.75422	35.54375
4/23/08 16:29	016	5703191	Normal	OK	25°C	54%	OK	OK	OK	Road Tracking Day 3	-82.75447	35.54368
4/23/08 16:41	000	0	Normal	OK	0°C	0%	OK	OK	No Res	Comm Not Available	-82.75455	35.54368
4/23/08 16:59	004	5703188	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-82.82262	35.55411
4/23/08 16:59	005	5703190	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-82.82012	35.55307
4/23/08 16:59	010	5703200	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-82.82567	35.55528
4/23/08 16:59	012	5703198	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-82.81580	35.54948
4/23/08 17:00	006	5703179	Normal	OK	26°C	49%	OK	OK	OK	Road Tracking Day 3	-82.83134	35.55582
4/23/08 17:00	009	5703201	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 3	-82.84176	35.55683
4/23/08 17:00	011	5703199	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-82.83935	35.55649
4/23/08 17:00	014	5703196	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 3	-82.83542	35.55564
4/23/08 17:00	015	5703195	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-82.84486	35.55694
4/23/08 17:01	003	5703187	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-82.85872	35.55491
4/23/08 17:01	007	5703202	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-82.85157	35.55616
4/23/08 17:01	016	5703191	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-82.85440	35.55567
4/23/08 17:02	008	5703180	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-82.86402	35.55400
4/23/08 17:12	004	5703188	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.00877	35.60648
4/23/08 17:12	005	5703190	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.00787	35.60469
4/23/08 17:12	006	5703179	Normal	OK	26°C	49%	OK	OK	OK	Road Tracking Day 3	-83.01144	35.61174
4/23/08 17:12	010	5703200	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-83.01015	35.60917
4/23/08 17:12	012	5703198	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.00726	35.60358
4/23/08 17:12	014	5703196	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 3	-83.01184	35.61255
4/23/08 17:13	003	5703187	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.00824	35.62031
4/23/08 17:13	007	5703202	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.01003	35.61837
4/23/08 17:13	008	5703180	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.00782	35.62188
4/23/08 17:13	009	5703201	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 3	-83.01215	35.61498

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/23/08 17:13	011	5703199	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-83.01218	35.61376
4/23/08 17:13	015	5703195	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.01188	35.61597
4/23/08 17:13	016	5703191	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.00925	35.61915
4/23/08 17:22	004	5703188	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.04003	35.69434
4/23/08 17:22	005	5703190	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.03772	35.69305
4/23/08 17:22	012	5703198	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.03613	35.69144
4/23/08 17:23	006	5703179	Normal	OK	26°C	48%	OK	OK	OK	Road Tracking Day 3	-83.04447	35.69967
4/23/08 17:23	009	5703201	Normal	OK	24°C	50%	OK	OK	OK	Road Tracking Day 3	-83.03619	35.70274
4/23/08 17:23	010	5703200	Normal	OK	25°C	52%	OK	OK	OK	Road Tracking Day 3	-83.04526	35.69732
4/23/08 17:23	011	5703199	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-83.03975	35.70265
4/23/08 17:23	014	5703196	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 3	-83.04086	35.70211
4/23/08 17:24	015	5703195	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.03286	35.70288
4/23/08 17:32	004	5703188	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.06688	35.75251
4/23/08 17:32	005	5703190	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.06608	35.75168
4/23/08 17:32	006	5703179	Normal	OK	26°C	48%	OK	OK	OK	Road Tracking Day 3	-83.06968	35.75526
4/23/08 17:32	010	5703200	Normal	OK	25°C	52%	OK	OK	OK	Road Tracking Day 3	-83.06873	35.75454
4/23/08 17:32	012	5703198	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-83.06414	35.75034
4/23/08 17:32	014	5703196	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 3	-83.07057	35.75652
4/23/08 17:33	003	5703187	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.07654	35.76355
4/23/08 17:33	007	5703202	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.07467	35.76180
4/23/08 17:33	008	5703180	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-83.07802	35.76474
4/23/08 17:33	009	5703201	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.07128	35.75810
4/23/08 17:33	011	5703199	Normal	OK	25°C	52%	OK	OK	OK	Road Tracking Day 3	-83.07087	35.75732
4/23/08 17:33	015	5703195	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.07381	35.76103
4/23/08 17:33	016	5703191	Normal	OK	25°C	50%	OK	OK	OK	Road Tracking Day 3	-83.07553	35.76259
4/23/08 17:40	007	5703202	Alarm	OK	25°C	50%	Shocked:33	OK	OK	Road-induced (>10)	-83.14797	35.82044
4/23/08 17:42	004	5703188	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.17585	35.81245
4/23/08 17:42	005	5703190	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.17302	35.81243
4/23/08 17:42	012	5703198	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-83.17005	35.81313
4/23/08 17:43	006	5703179	Normal	OK	26°C	49%	OK	OK	OK	Road Tracking Day 3	-83.18022	35.81837
4/23/08 17:43	010	5703200	Normal	OK	25°C	52%	OK	OK	OK	Road Tracking Day 3	-83.17871	35.81601
4/23/08 17:43	011	5703199	Normal	OK	25°C	52%	OK	OK	OK	Road Tracking Day 3	-83.18323	35.82477
4/23/08 17:43	014	5703196	Normal	OK	25°C	49%	OK	OK	OK	Road Tracking Day 3	-83.18175	35.82080
4/23/08 17:44	003	5703187	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.18159	35.84271
4/23/08 17:44	007	5703202	Alarm	OK	26°C	50%	Shocked:0	OK	OK	Reset	-83.18080	35.83962
4/23/08 17:44	008	5703180	Normal	OK	25°C	52%	OK	OK	OK	Road Tracking Day 3	-83.18211	35.84465
4/23/08 17:44	009	5703201	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-83.18294	35.83037
4/23/08 17:44	015	5703195	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-83.18133	35.83469
4/23/08 17:45	007	5703202	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.18332	35.85364
4/23/08 17:52	004	5703188	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.22137	35.96575
4/23/08 17:52	005	5703190	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.21996	35.96493
4/23/08 17:52	006	5703179	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.22680	35.96841
4/23/08 17:52	010	5703200	Normal	OK	25°C	53%	OK	OK	OK	Road Tracking Day 3	-83.22339	35.96691
4/23/08 17:52	011	5703199	Normal	OK	25°C	52%	OK	OK	OK	Road Tracking Day 3	-83.23025	35.96875
4/23/08 17:52	012	5703198	Normal	OK	25°C	52%	OK	OK	OK	Road Tracking Day 3	-83.21768	35.96360
4/23/08 17:53	003	5703187	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.24228	35.96701
4/23/08 17:53	007	5703202	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.23608	35.96783
4/23/08 17:53	009	5703201	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-83.23198	35.96855
4/23/08 17:53	015	5703195	Normal	OK	26°C	51%	OK	OK	OK	Road Tracking Day 3	-83.23403	35.96819
4/23/08 17:53	016	5703191	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.23949	35.96722
4/23/08 18:01	007	5703202	Alarm	OK	26°C	50%	Shocked:17	OK	OK	Road-induced (>10)	-83.34199	36.04510
4/23/08 18:02	004	5703188	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.36108	36.05439
4/23/08 18:02	005	5703190	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.35776	36.05326
4/23/08 18:02	006	5703179	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-83.36526	36.05579
4/23/08 18:02	009	5703201	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-83.36858	36.05691
4/23/08 18:02	010	5703200	Normal	OK	25°C	52%	OK	OK	OK	Road Tracking Day 3	-83.36191	36.05466
4/23/08 18:02	011	5703199	Normal	OK	26°C	52%	OK	OK	OK	Road Tracking Day 3	-83.36746	36.05654
4/23/08 18:02	012	5703198	Normal	OK	25°C	52%	OK	OK	OK	Road Tracking Day 3	-83.35608	36.05269
4/23/08 18:02	014	5703196	Normal	OK	26°C	49%	OK	OK	OK	Road Tracking Day 3	-83.36635	36.05617
4/23/08 18:03	003	5703187	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.37291	36.05867
4/23/08 18:03	007	5703202	Alarm	OK	26°C	50%	Shocked:0	OK	OK	Reset	-83.37080	36.05770
4/23/08 18:03	008	5703180	Normal	OK	26°C	52%	OK	OK	OK	Road Tracking Day 3	-83.37762	36.06210
4/23/08 18:03	015	5703195	Normal	OK	26°C	51%	OK	OK	OK	Road Tracking Day 3	-83.36969	36.05729
4/23/08 18:03	016	5703191	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.37161	36.05804
4/23/08 18:04	007	5703202	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.39402	36.06445
4/23/08 18:06	007	5703202	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.42317	36.04631
4/23/08 18:09	007	5703202	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.47434	36.02352
4/23/08 18:12	004	5703188	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.52046	36.01154
4/23/08 18:12	005	5703190	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.51810	36.01214
4/23/08 18:12	006	5703179	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-83.52729	36.00925
4/23/08 18:12	010	5703200	Normal	OK	26°C	52%	OK	OK	OK	Road Tracking Day 3	-83.52392	36.01049
4/23/08 18:12	012	5703198	Normal	OK	26°C	52%	OK	OK	OK	Road Tracking Day 3	-83.51602	36.01269
4/23/08 18:13	003	5703187	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.53937	36.00451
4/23/08 18:13	007	5703202	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.53655	36.00562
4/23/08 18:13	008	5703180	Normal	OK	26°C	52%	OK	OK	OK	Road Tracking Day 3	-83.54133	36.00371
4/23/08 18:13	009	5703201	Normal	OK	25°C	51%	OK	OK	OK	Road Tracking Day 3	-83.53146	36.00760
4/23/08 18:13	011	5703199	Normal	OK	26°C	52%	OK	OK	OK	Road Tracking Day 3	-83.53007	36.00816
4/23/08 18:13	014	5703196	Normal	OK	26°C	49%	OK	OK	OK	Road Tracking Day 3	-83.52868	36.00870
4/23/08 18:13	015	5703195	Normal	OK	26°C	51%	OK	OK	OK	Road Tracking Day 3	-83.53514	36.00617
4/23/08 18:13	016	5703191	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.53796	36.00508

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/23/08 18:22	004	5703188	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-83.69595	35.99684
4/23/08 18:22	005	5703190	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-83.69216	35.99679
4/23/08 18:22	006	5703179	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-83.69850	35.99685
4/23/08 18:22	007	5703202	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.70484	35.99688
4/23/08 18:22	009	5703201	Normal	OK	26°C	51%	OK	OK	OK	Road Tracking Day 3	-83.70230	35.99688
4/23/08 18:22	010	5703200	Normal	OK	26°C	52%	OK	OK	OK	Road Tracking Day 3	-83.69722	35.99684
4/23/08 18:22	011	5703199	Normal	OK	26°C	52%	OK	OK	OK	Road Tracking Day 3	-83.70103	35.99687
4/23/08 18:22	012	5703198	Normal	OK	26°C	52%	OK	OK	OK	Road Tracking Day 3	-83.69122	35.99674
4/23/08 18:22	014	5703196	Normal	OK	26°C	49%	OK	OK	OK	Road Tracking Day 3	-83.69976	35.99686
4/23/08 18:22	015	5703195	Normal	OK	26°C	51%	OK	OK	OK	Road Tracking Day 3	-83.70357	35.99688
4/23/08 18:22	016	5703191	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.70611	35.99689
4/23/08 18:23	003	5703187	Normal	OK	26°C	50%	OK	OK	OK	Road Tracking Day 3	-83.70738	35.99690
4/23/08 18:23	008	5703180	Normal	OK	26°C	52%	OK	OK	OK	Road Tracking Day 3	-83.70865	35.99691
4/23/08 18:38	007	5703202	Alarm	OK	26°C	50%	Shocked:20	OK	OK	Road-Induced (>10)	-83.95776	36.00090
4/23/08 18:42	004	5703188	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-83.97413	35.95555
4/23/08 18:42	005	5703190	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-83.97340	35.95610
4/23/08 18:42	006	5703179	Normal	OK	27°C	49%	OK	OK	OK	Road Tracking Day 3	-83.97594	35.95459
4/23/08 18:42	007	5703202	Alarm	OK	27°C	50%	Shocked:0	OK	OK	Reset	-83.98093	35.95197
4/23/08 18:42	009	5703201	Normal	OK	26°C	51%	OK	OK	OK	Road Tracking Day 3	-83.97891	35.95301
4/23/08 18:42	011	5703199	Normal	OK	26°C	52%	OK	OK	OK	Road Tracking Day 3	-83.97790	35.95354
4/23/08 18:42	012	5703198	Normal	OK	26°C	51%	OK	OK	OK	Road Tracking Day 3	-83.97287	35.95677
4/23/08 18:42	014	5703196	Normal	OK	27°C	49%	OK	OK	OK	Road Tracking Day 3	-83.97691	35.95407
4/23/08 18:42	015	5703195	Normal	OK	27°C	51%	OK	OK	OK	Road Tracking Day 3	-83.97992	35.95249
4/23/08 18:42	016	5703191	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-83.98196	35.95147
4/23/08 18:43	007	5703202	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-83.99188	35.94818
4/23/08 18:43	008	5703180	Normal	OK	27°C	52%	OK	OK	OK	Road Tracking Day 3	-83.98409	35.95063
4/23/08 18:52	003	5703187	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-84.14048	35.93136
4/23/08 18:52	004	5703188	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-84.13347	35.92537
4/23/08 18:52	006	5703179	Normal	OK	28°C	50%	OK	OK	OK	Road Tracking Day 3	-84.13507	35.92674
4/23/08 18:52	007	5703202	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-84.13909	35.93015
4/23/08 18:52	008	5703180	Normal	OK	27°C	52%	OK	OK	OK	Road Tracking Day 3	-84.14149	35.93222
4/23/08 18:52	009	5703201	Normal	OK	26°C	51%	OK	OK	OK	Road Tracking Day 3	-84.13749	35.92878
4/23/08 18:52	010	5703200	Normal	OK	26°C	53%	OK	OK	OK	Road Tracking Day 3	-84.13428	35.92606
4/23/08 18:52	011	5703199	Normal	OK	26°C	52%	OK	OK	OK	Road Tracking Day 3	-84.13669	35.92810
4/23/08 18:52	012	5703198	Normal	OK	26°C	51%	OK	OK	OK	Road Tracking Day 3	-84.13185	35.92399
4/23/08 18:52	015	5703195	Normal	OK	27°C	51%	OK	OK	OK	Road Tracking Day 3	-84.13829	35.92947
4/23/08 18:52	016	5703191	Normal	OK	27°C	50%	OK	OK	OK	Road Tracking Day 3	-84.13988	35.93084
4/23/08 19:02	003	5703187	Normal	OK	27°C	50%	OK	OK	OK	End of Day 3	-84.23043	35.99856
4/23/08 19:02	004	5703188	Normal	OK	27°C	50%	OK	OK	OK	End of Day 3	-84.23001	35.99773
4/23/08 19:02	005	5703190	Normal	OK	27°C	50%	OK	OK	OK	End of Day 3	-84.22972	35.99787
4/23/08 19:02	007	5703202	Normal	OK	27°C	50%	OK	OK	OK	End of Day 3	-84.23059	35.99839
4/23/08 19:02	009	5703201	Normal	OK	26°C	51%	OK	OK	OK	End of Day 3	-84.23056	35.99815
4/23/08 19:02	010	5703200	Normal	OK	26°C	53%	OK	OK	OK	End of Day 3	-84.23021	35.99765
4/23/08 19:02	011	5703199	Normal	OK	27°C	52%	OK	OK	OK	End of Day 3	-84.23048	35.99798
4/23/08 19:02	012	5703198	Normal	OK	26°C	51%	OK	OK	OK	End of Day 3	-84.22934	35.99806
4/23/08 19:02	014	5703196	Normal	OK	27°C	49%	OK	OK	OK	End of Day 3	-84.23041	35.99782
4/23/08 19:02	016	5703191	Normal	OK	27°C	50%	OK	OK	OK	End of Day 3	-84.23050	35.99847
4/23/08 19:03	008	5703180	Normal	OK	27°C	52%	OK	OK	OK	End of Day 3	-84.23035	35.99864
4/24/08 8:23	003	5703187	Normal	OK	14°C	59%	OK	OK	OK	Start of Day 4	-84.22576	35.99891
4/24/08 8:23	005	5703190	Normal	OK	14°C	58%	OK	OK	OK	Start of Day 4	-84.22601	35.99931
4/24/08 8:23	006	5703179	Normal	OK	15°C	57%	OK	OK	OK	Start of Day 4	-84.22454	35.99739
4/24/08 8:23	011	5703199	Normal	OK	15°C	57%	OK	OK	OK	Start of Day 4	-84.22778	35.99876
4/24/08 8:23	012	5703198	Normal	OK	15°C	57%	OK	OK	OK	Start of Day 4	-84.22385	35.99654
4/24/08 8:23	013	5703197	Normal	OK	17°C	58%	OK	OK	OK	Start of Day 4	-84.22630	35.99936
4/24/08 8:23	014	5703196	Normal	OK	15°C	57%	OK	OK	OK	Start of Day 4	-84.22674	35.99919
4/24/08 8:24	004	5703188	Normal	OK	14°C	57%	OK	OK	OK	Start of Day 4	-84.21763	35.98930
4/24/08 8:24	007	5703202	Normal	OK	14°C	58%	OK	OK	OK	Start of Day 4	-84.22027	35.99236
4/24/08 8:24	008	5703180	Normal	OK	15°C	59%	OK	OK	OK	Start of Day 4	-84.22111	35.99335
4/24/08 8:24	010	5703200	Normal	OK	16°C	56%	OK	OK	OK	Start of Day 4	-84.21869	35.99053
4/24/08 8:24	015	5703195	Normal	OK	15°C	60%	OK	OK	OK	Start of Day 4	-84.22275	35.99526
4/24/08 8:24	016	5703191	Normal	OK	15°C	58%	OK	OK	OK	Start of Day 4	-84.21655	35.98813
4/24/08 8:34	011	5703199	Normal	OK	16°C	57%	OK	OK	OK	Driving to NTRC	-84.15506	35.95398
4/24/08 8:34	014	5703196	Normal	OK	16°C	55%	OK	OK	OK	Driving to NTRC	-84.15506	35.95398
4/24/08 8:35	003	5703187	Normal	OK	15°C	57%	OK	OK	OK	Driving to NTRC	-84.15496	35.95423
4/24/08 8:35	004	5703188	Normal	OK	15°C	58%	OK	OK	OK	Driving to NTRC	-84.15469	35.95455
4/24/08 8:35	005	5703190	Normal	OK	15°C	59%	OK	OK	OK	Driving to NTRC	-84.15500	35.95414
4/24/08 8:35	006	5703179	Normal	OK	16°C	57%	OK	OK	OK	Driving to NTRC	-84.15491	35.95431
4/24/08 8:35	007	5703202	Normal	OK	15°C	58%	OK	OK	OK	Driving to NTRC	-84.15469	35.95455
4/24/08 8:35	008	5703180	Normal	OK	16°C	57%	OK	OK	OK	Driving to NTRC	-84.15469	35.95455
4/24/08 8:35	010	5703200	Normal	OK	16°C	55%	OK	OK	OK	Driving to NTRC	-84.15469	35.95455
4/24/08 8:35	012	5703198	Normal	OK	16°C	56%	OK	OK	OK	Driving to NTRC	-84.15482	35.95438
4/24/08 8:35	013	5703197	Normal	OK	18°C	53%	OK	OK	OK	Driving to NTRC	-84.15505	35.95404
4/24/08 8:35	015	5703195	Normal	OK	16°C	56%	OK	OK	OK	Driving to NTRC	-84.15474	35.95444
4/24/08 8:35	016	5703191	Normal	OK	16°C	56%	OK	OK	OK	Driving to NTRC	-84.15469	35.95455
4/24/08 8:47	000	0	Normal	OK	0°C	0%	OK	OK	No Res	Indoor NTRC Demo	-84.15469	35.95455
4/24/08 13:56	005	5703190	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 13:56	007	5703202	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 13:56	008	5703180	Normal	OK	29°C	43%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 13:56	009	5703201	Normal	OK	29°C	43%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 13:56	010	5703200	Normal	OK	29°C	41%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/24/08 13:56	012	5703198	Normal	OK	28 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 13:56	015	5703195	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 13:57	003	5703187	Normal	OK	30 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 13:57	004	5703188	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 13:57	006	5703179	Normal	OK	30 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 13:57	011	5703199	Normal	OK	29 °C	46%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 13:57	013	5703197	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 13:57	014	5703196	Normal	OK	29 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 13:57	016	5703191	Normal	OK	29 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:06	010	5703200	Alarm	Open	29 °C	41%	OK	OK	OK	Seal Open (Staged)	-84.22984	35.99868
4/24/08 14:07	012	5703198	Normal	OK	28 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:08	003	5703187	Normal	OK	30 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:08	004	5703188	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:08	006	5703179	Normal	OK	30 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:08	007	5703202	Normal	OK	30 °C	46%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:08	008	5703180	Normal	OK	29 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:08	009	5703201	Normal	OK	29 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:08	011	5703199	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:08	013	5703197	Normal	OK	29 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:08	014	5703196	Normal	OK	29 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:08	015	5703195	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:08	016	5703191	Normal	OK	29 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:09	010	5703200	Normal	OK	30 °C	41%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:17	005	5703190	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:17	010	5703200	Normal	OK	30 °C	42%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:17	012	5703198	Normal	OK	28 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:18	003	5703187	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:18	004	5703188	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:18	006	5703179	Normal	OK	30 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:18	007	5703202	Normal	OK	30 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:18	008	5703180	Normal	OK	29 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:18	009	5703201	Normal	OK	29 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:18	011	5703199	Normal	OK	29 °C	46%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:18	014	5703196	Normal	OK	29 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:18	015	5703195	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:18	016	5703191	Normal	OK	29 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.22984	35.99868
4/24/08 14:27	010	5703200	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.24123	35.99839
4/24/08 14:27	012	5703198	Normal	OK	28 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.24081	35.99795
4/24/08 14:28	003	5703187	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.24273	36.00244
4/24/08 14:28	004	5703188	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.24342	36.00032
4/24/08 14:28	006	5703179	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.24301	36.00200
4/24/08 14:28	007	5703202	Normal	OK	30 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.24266	35.99953
4/24/08 14:28	008	5703180	Normal	OK	29 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.24218	35.99916
4/24/08 14:28	009	5703201	Normal	OK	29 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.24311	35.99991
4/24/08 14:28	011	5703199	Normal	OK	29 °C	46%	OK	OK	OK	Road Tracking Day 4	-84.24239	36.00287
4/24/08 14:28	013	5703197	Normal	OK	30 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.24321	36.00158
4/24/08 14:28	014	5703196	Normal	OK	29 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.24338	36.00117
4/24/08 14:28	015	5703195	Normal	OK	30 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.24169	35.99879
4/24/08 14:28	016	5703191	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.24348	36.00076
4/24/08 14:37	005	5703190	Normal	OK	30 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.20220	36.05615
4/24/08 14:37	010	5703200	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.20068	36.05744
4/24/08 14:37	012	5703198	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.20141	36.05671
4/24/08 14:38	003	5703187	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.19514	36.06638
4/24/08 14:38	004	5703188	Normal	OK	30 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.19863	36.06204
4/24/08 14:38	006	5703179	Normal	OK	31 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.19588	36.06545
4/24/08 14:38	007	5703202	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.19970	36.06029
4/24/08 14:38	008	5703180	Normal	OK	30 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.19992	36.05932
4/24/08 14:38	009	5703201	Normal	OK	29 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.19926	36.06119
4/24/08 14:38	011	5703199	Normal	OK	29 °C	46%	OK	OK	OK	Road Tracking Day 4	-84.19437	36.06733
4/24/08 14:38	013	5703197	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.19676	36.06437
4/24/08 14:38	014	5703196	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.19733	36.06366
4/24/08 14:38	015	5703195	Normal	OK	30 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.20026	36.05814
4/24/08 14:38	016	5703191	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.19800	36.06283
4/24/08 14:47	005	5703190	Normal	OK	30 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.11930	36.11589
4/24/08 14:47	012	5703198	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.11926	36.11594
4/24/08 14:48	003	5703187	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.11677	36.11936
4/24/08 14:48	004	5703188	Normal	OK	30 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.11788	36.11779
4/24/08 14:48	006	5703179	Normal	OK	31 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.11682	36.11929
4/24/08 14:48	007	5703202	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.11857	36.11682
4/24/08 14:48	008	5703180	Normal	OK	30 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.11883	36.11650
4/24/08 14:48	009	5703201	Normal	OK	29 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.11826	36.11722
4/24/08 14:48	010	5703200	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.11918	36.11606
4/24/08 14:48	011	5703199	Normal	OK	29 °C	46%	OK	OK	OK	Road Tracking Day 4	-84.11677	36.11936
4/24/08 14:48	013	5703197	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.11692	36.11914
4/24/08 14:48	014	5703196	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.11708	36.11889
4/24/08 14:48	015	5703195	Normal	OK	30 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.11904	36.11623
4/24/08 14:48	016	5703191	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.11744	36.11840
4/24/08 14:57	005	5703190	Normal	OK	30 °C	44%	OK	OK	OK	Road Tracking Day 4	-84.12328	36.20489
4/24/08 14:57	012	5703198	Normal	OK	29 °C	45%	OK	OK	OK	Road Tracking Day 4	-84.12419	36.20595
4/24/08 14:58	003	5703187	Normal	OK	30 °C	43%	OK	OK	OK	Road Tracking Day 4	-84.13840	36.21322

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/24/08 14:58	004	5703188	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.13100	36.21091
4/24/08 14:58	006	5703179	Normal	OK	31°C	43%	OK	OK	OK	Road Tracking Day 4	-84.13695	36.21272
4/24/08 14:58	007	5703202	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.12814	36.20984
4/24/08 14:58	008	5703180	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.12695	36.20902
4/24/08 14:58	009	5703201	Normal	OK	29°C	43%	OK	OK	OK	Road Tracking Day 4	-84.12951	36.21045
4/24/08 14:58	010	5703200	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.12509	36.20700
4/24/08 14:58	011	5703199	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.13979	36.21381
4/24/08 14:58	013	5703197	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.13546	36.21226
4/24/08 14:58	014	5703196	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.13367	36.21172
4/24/08 14:58	015	5703195	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.12598	36.20804
4/24/08 14:58	016	5703191	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.13249	36.21136
4/24/08 15:07	005	5703190	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.22855	36.31752
4/24/08 15:07	010	5703200	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.22686	36.31899
4/24/08 15:07	012	5703198	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.22765	36.31824
4/24/08 15:08	003	5703187	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.22705	36.33066
4/24/08 15:08	004	5703188	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.22603	36.32446
4/24/08 15:08	006	5703179	Normal	OK	31°C	43%	OK	OK	OK	Road Tracking Day 4	-84.22693	36.32935
4/24/08 15:08	007	5703202	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.22564	36.32196
4/24/08 15:08	008	5703180	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.22585	36.32074
4/24/08 15:08	009	5703201	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.22576	36.32321
4/24/08 15:08	011	5703199	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.22719	36.33302
4/24/08 15:08	013	5703197	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.22679	36.32831
4/24/08 15:08	014	5703196	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.22656	36.32702
4/24/08 15:08	015	5703195	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.22625	36.31982
4/24/08 15:08	016	5703191	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.22627	36.32574
4/24/08 15:17	005	5703190	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.26484	36.45105
4/24/08 15:17	010	5703200	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.26249	36.45292
4/24/08 15:17	012	5703198	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.26353	36.45208
4/24/08 15:18	003	5703187	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.25194	36.46126
4/24/08 15:18	004	5703188	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.25729	36.45706
4/24/08 15:18	006	5703179	Normal	OK	31°C	43%	OK	OK	OK	Road Tracking Day 4	-84.25301	36.46044
4/24/08 15:18	007	5703202	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.25965	36.45522
4/24/08 15:18	008	5703180	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.26043	36.45459
4/24/08 15:18	009	5703201	Normal	OK	29°C	43%	OK	OK	OK	Road Tracking Day 4	-84.25836	36.45625
4/24/08 15:18	011	5703199	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.25089	36.46208
4/24/08 15:18	013	5703197	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.25515	36.45872
4/24/08 15:18	014	5703196	Normal	OK	30°C	42%	OK	OK	OK	Road Tracking Day 4	-84.25515	36.45872
4/24/08 15:18	015	5703195	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.26146	36.45376
4/24/08 15:18	016	5703191	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.25622	36.45788
4/24/08 15:27	005	5703190	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.11353	36.57701
4/24/08 15:27	010	5703200	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.11151	36.57883
4/24/08 15:27	012	5703198	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.11226	36.57815
4/24/08 15:28	003	5703187	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.10472	36.58992
4/24/08 15:28	004	5703188	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.10660	36.58419
4/24/08 15:28	006	5703179	Normal	OK	31°C	43%	OK	OK	OK	Road Tracking Day 4	-84.10488	36.58873
4/24/08 15:28	007	5703202	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.10804	36.58218
4/24/08 15:28	008	5703180	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.10889	36.58124
4/24/08 15:28	009	5703201	Normal	OK	29°C	44%	OK	OK	OK	Road Tracking Day 4	-84.10728	36.58316
4/24/08 15:28	011	5703199	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.10466	36.59115
4/24/08 15:28	013	5703197	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.10515	36.58755
4/24/08 15:28	014	5703196	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.10575	36.58582
4/24/08 15:28	015	5703195	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.10981	36.58036
4/24/08 15:28	016	5703191	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.10601	36.58526
4/24/08 15:37	005	5703190	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.17098	36.73024
4/24/08 15:37	012	5703198	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.17143	36.73137
4/24/08 15:38	003	5703187	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.17597	36.74488
4/24/08 15:38	004	5703188	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.17378	36.73827
4/24/08 15:38	006	5703179	Normal	OK	31°C	43%	OK	OK	OK	Road Tracking Day 4	-84.17561	36.74373
4/24/08 15:38	007	5703202	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.17301	36.73598
4/24/08 15:38	008	5703180	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.17261	36.73483
4/24/08 15:38	009	5703201	Normal	OK	29°C	44%	OK	OK	OK	Road Tracking Day 4	-84.17340	36.73713
4/24/08 15:38	011	5703199	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.17618	36.74607
4/24/08 15:38	013	5703197	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.17521	36.74258
4/24/08 15:38	014	5703196	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.17481	36.74142
4/24/08 15:38	015	5703195	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.17221	36.73368
4/24/08 15:38	016	5703191	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.17413	36.73942
4/24/08 15:47	005	5703190	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.14246	36.89474
4/24/08 15:47	010	5703200	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.14102	36.89595
4/24/08 15:47	012	5703198	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.14165	36.89543
4/24/08 15:48	003	5703187	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.13300	36.90427
4/24/08 15:48	004	5703188	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.13654	36.89967
4/24/08 15:48	006	5703179	Normal	OK	31°C	43%	OK	OK	OK	Road Tracking Day 4	-84.13354	36.90322
4/24/08 15:48	007	5703202	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.13851	36.89803
4/24/08 15:48	008	5703180	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.13915	36.89750
4/24/08 15:48	009	5703201	Normal	OK	29°C	44%	OK	OK	OK	Road Tracking Day 4	-84.13744	36.89892
4/24/08 15:48	011	5703199	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.13267	36.90511
4/24/08 15:48	013	5703197	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.13416	36.90224
4/24/08 15:48	014	5703196	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.13506	36.90109
4/24/08 15:48	015	5703195	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.13999	36.89680
4/24/08 15:48	016	5703191	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.13567	36.90046

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/24/08 15:57	005	5703190	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.09856	37.04660
4/24/08 15:57	012	5703198	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.09866	37.04763
4/24/08 15:58	003	5703187	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.09777	37.06014
4/24/08 15:58	004	5703188	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.09823	37.05414
4/24/08 15:58	006	5703179	Normal	OK	31°C	43%	OK	OK	OK	Road Tracking Day 4	-84.09782	37.05893
4/24/08 15:58	007	5703202	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.09842	37.05198
4/24/08 15:58	008	5703180	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.09851	37.05097
4/24/08 15:58	009	5703201	Normal	OK	29°C	44%	OK	OK	OK	Road Tracking Day 4	-84.09836	37.05276
4/24/08 15:58	010	5703200	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.09869	37.04876
4/24/08 15:58	011	5703199	Normal	OK	29°C	46%	OK	OK	OK	Road Tracking Day 4	-84.09780	37.06104
4/24/08 15:58	013	5703197	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.09792	37.05772
4/24/08 15:58	014	5703196	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.09805	37.05621
4/24/08 15:58	015	5703195	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.09862	37.04981
4/24/08 15:58	016	5703191	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.09813	37.05530
4/24/08 16:07	005	5703190	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.16671	37.20618
4/24/08 16:07	010	5703200	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.16946	37.20712
4/24/08 16:07	012	5703198	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.16808	37.20666
4/24/08 16:08	003	5703187	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.18257	37.21157
4/24/08 16:08	004	5703188	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.17626	37.20941
4/24/08 16:08	006	5703179	Normal	OK	31°C	43%	OK	OK	OK	Road Tracking Day 4	-84.18128	37.21112
4/24/08 16:08	007	5703202	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.17361	37.20851
4/24/08 16:08	008	5703180	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.17223	37.20803
4/24/08 16:08	009	5703201	Normal	OK	29°C	44%	OK	OK	OK	Road Tracking Day 4	-84.17495	37.20896
4/24/08 16:08	011	5703199	Normal	OK	29°C	46%	OK	OK	OK	Road Tracking Day 4	-84.18390	37.21206
4/24/08 16:08	013	5703197	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.18002	37.21069
4/24/08 16:08	014	5703196	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.17877	37.21027
4/24/08 16:08	015	5703195	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.17085	37.20757
4/24/08 16:08	016	5703191	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.17752	37.20984
4/24/08 16:17	005	5703190	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.29699	37.32215
4/24/08 16:17	010	5703200	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.29935	37.32357
4/24/08 16:17	012	5703198	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.29818	37.32287
4/24/08 16:18	003	5703187	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.30609	37.33774
4/24/08 16:18	004	5703188	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.30376	37.33084
4/24/08 16:18	006	5703179	Normal	OK	31°C	43%	OK	OK	OK	Road Tracking Day 4	-84.30552	37.33666
4/24/08 16:18	007	5703202	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.30264	37.32705
4/24/08 16:18	009	5703201	Normal	OK	29°C	44%	OK	OK	OK	Road Tracking Day 4	-84.30345	37.32967
4/24/08 16:18	011	5703199	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.30685	37.33909
4/24/08 16:18	013	5703197	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.30503	37.33553
4/24/08 16:18	014	5703196	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.30466	37.33437
4/24/08 16:18	015	5703195	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.30046	37.32434
4/24/08 16:18	016	5703191	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.30407	37.33200
4/24/08 16:27	005	5703190	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.33148	37.48410
4/24/08 16:27	012	5703198	Normal	OK	29°C	46%	OK	OK	OK	Road Tracking Day 4	-84.33117	37.48527
4/24/08 16:28	003	5703187	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.32759	37.49853
4/24/08 16:28	004	5703188	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.32920	37.49264
4/24/08 16:28	006	5703179	Normal	OK	31°C	43%	OK	OK	OK	Road Tracking Day 4	-84.32792	37.49734
4/24/08 16:28	007	5703202	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.32983	37.49029
4/24/08 16:28	008	5703180	No Res	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.33014	37.48911
4/24/08 16:28	008	5703180	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32686	37.50087
4/24/08 16:28	009	5703201	Normal	OK	29°C	44%	OK	OK	OK	Road Tracking Day 4	-84.32951	37.49147
4/24/08 16:28	010	5703200	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.33077	37.48674
4/24/08 16:28	011	5703199	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32726	37.49970
4/24/08 16:28	013	5703197	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.32823	37.49617
4/24/08 16:28	014	5703196	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.32855	37.49499
4/24/08 16:28	015	5703195	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.33046	37.48793
4/24/08 16:28	016	5703191	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.32888	37.49382
4/24/08 16:37	005	5703190	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.31004	37.66207
4/24/08 16:37	010	5703200	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.30986	37.66454
4/24/08 16:37	012	5703198	Normal	OK	29°C	46%	OK	OK	OK	Road Tracking Day 4	-84.30987	37.66346
4/24/08 16:38	003	5703187	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.31188	37.67622
4/24/08 16:38	004	5703188	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.31086	37.67082
4/24/08 16:38	006	5703179	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.31164	37.67514
4/24/08 16:38	007	5703202	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.31048	37.66875
4/24/08 16:38	008	5703180	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.31024	37.66747
4/24/08 16:38	009	5703201	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.31067	37.66978
4/24/08 16:38	011	5703199	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.31212	37.67728
4/24/08 16:38	013	5703197	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.31141	37.67376
4/24/08 16:38	014	5703196	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.31126	37.67296
4/24/08 16:38	015	5703195	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.31000	37.66615
4/24/08 16:38	016	5703191	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.31106	37.67189
4/24/08 16:47	005	5703190	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32387	37.83792
4/24/08 16:48	004	5703188	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.32599	37.84307
4/24/08 16:48	006	5703179	Normal	OK	31°C	43%	OK	OK	OK	Road Tracking Day 4	-84.32599	37.84307
4/24/08 16:48	007	5703202	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.32597	37.84292
4/24/08 16:48	008	5703180	Normal	OK	30°C	46%	OK	OK	OK	Road Tracking Day 4	-84.32594	37.84240
4/24/08 16:48	009	5703201	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32599	37.84306
4/24/08 16:48	010	5703200	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32537	37.84073
4/24/08 16:48	012	5703198	Normal	OK	29°C	46%	OK	OK	OK	Road Tracking Day 4	-84.32488	37.83980
4/24/08 16:48	013	5703197	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.32599	37.84307
4/24/08 16:48	014	5703196	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.32599	37.84307

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/24/08 16:48	015	5703195	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32576	37.84162
4/24/08 16:48	016	5703191	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.32599	37.84307
4/24/08 16:49	003	5703187	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.32599	37.84307
4/24/08 16:49	011	5703199	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32599	37.84307
4/24/08 16:57	005	5703190	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:57	010	5703200	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:57	012	5703198	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:58	003	5703187	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:58	004	5703188	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:58	006	5703179	Normal	OK	31°C	44%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:58	007	5703202	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:58	008	5703180	Normal	OK	30°C	46%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:58	009	5703201	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:58	011	5703199	Normal	OK	29°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:58	013	5703197	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:58	014	5703196	Normal	OK	30°C	43%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:58	015	5703195	Normal	OK	30°C	45%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 16:58	016	5703191	Normal	OK	30°C	44%	OK	OK	OK	Road Tracking Day 4	-84.32449	37.84301
4/24/08 17:07	005	5703190	Normal	OK	30°C	45%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/24/08 17:07	010	5703200	Normal	OK	30°C	46%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/24/08 17:07	012	5703198	Normal	OK	29°C	45%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/24/08 17:08	003	5703187	Normal	OK	30°C	44%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/24/08 17:08	004	5703188	Normal	OK	30°C	45%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/24/08 17:08	006	5703179	Normal	OK	31°C	44%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/24/08 17:08	007	5703202	Normal	OK	30°C	44%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/24/08 17:08	008	5703180	Normal	OK	30°C	45%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/24/08 17:08	009	5703201	Normal	OK	29°C	45%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/24/08 17:08	011	5703199	Normal	OK	29°C	46%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/24/08 17:08	013	5703197	Normal	OK	30°C	45%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/24/08 17:08	014	5703196	Normal	OK	30°C	44%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/24/08 17:08	015	5703195	Normal	OK	30°C	45%	OK	OK	OK	End of Day 4	-84.32481	37.84298
4/25/08 8:09	011	5703199	Normal	OK	18°C	49%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:10	003	5703187	Normal	OK	17°C	50%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:10	005	5703190	Normal	OK	17°C	51%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:10	007	5703202	Normal	OK	17°C	50%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:10	008	5703180	Normal	OK	18°C	50%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:10	009	5703201	Normal	OK	18°C	49%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:10	012	5703198	Normal	OK	18°C	49%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:10	013	5703197	Normal	OK	18°C	50%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:10	015	5703195	Normal	OK	18°C	50%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:10	016	5703191	Normal	OK	18°C	49%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:11	004	5703188	Normal	OK	17°C	50%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:11	006	5703179	Normal	OK	18°C	50%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:11	010	5703200	Normal	OK	18°C	50%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:11	014	5703196	Normal	OK	17°C	49%	OK	OK	OK	Start of Day 5	-86.04013	39.79684
4/25/08 8:21	005	5703190	Normal	OK	17°C	52%	OK	OK	OK	Road Tracking Day 5	-86.04719	39.87810
4/25/08 8:21	007	5703202	Normal	OK	17°C	51%	OK	OK	OK	Road Tracking Day 5	-86.04721	39.87911
4/25/08 8:21	008	5703180	Normal	OK	18°C	51%	OK	OK	OK	Road Tracking Day 5	-86.04716	39.87607
4/25/08 8:21	011	5703199	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 5	-86.04714	39.87505
4/25/08 8:21	013	5703197	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 5	-86.04718	39.87708
4/25/08 8:21	016	5703191	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 5	-86.04723	39.88037
4/25/08 8:22	003	5703187	Normal	OK	17°C	50%	OK	OK	OK	Road Tracking Day 5	-86.04728	39.88441
4/25/08 8:22	004	5703188	Normal	OK	17°C	51%	OK	OK	OK	Road Tracking Day 5	-86.04756	39.88719
4/25/08 8:22	006	5703179	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 5	-86.04844	39.88951
4/25/08 8:22	009	5703201	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 5	-86.04727	39.88339
4/25/08 8:22	010	5703200	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 5	-86.04910	39.89058
4/25/08 8:22	014	5703196	Normal	OK	18°C	49%	OK	OK	OK	Road Tracking Day 5	-86.04795	39.88841
4/25/08 8:22	015	5703195	Normal	OK	18°C	51%	OK	OK	OK	Road Tracking Day 5	-86.04735	39.88594
4/25/08 8:23	012	5703198	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 5	-86.06591	39.90255
4/25/08 8:41	005	5703190	Normal	OK	18°C	53%	OK	OK	OK	Road Tracking Day 5	-86.37726	39.96656
4/25/08 8:41	007	5703202	Normal	OK	18°C	52%	OK	OK	OK	Road Tracking Day 5	-86.37828	39.96738
4/25/08 8:41	008	5703180	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 5	-86.37522	39.96490
4/25/08 8:41	011	5703199	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 5	-86.37420	39.96407
4/25/08 8:41	013	5703197	Normal	OK	18°C	51%	OK	OK	OK	Road Tracking Day 5	-86.37624	39.96573
4/25/08 8:41	016	5703191	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 5	-86.37929	39.96821
4/25/08 8:42	003	5703187	Normal	OK	18°C	51%	OK	OK	OK	Road Tracking Day 5	-86.38414	39.97215
4/25/08 8:42	004	5703188	Normal	OK	18°C	52%	OK	OK	OK	Road Tracking Day 5	-86.38619	39.97381
4/25/08 8:42	006	5703179	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 5	-86.38822	39.97546
4/25/08 8:42	009	5703201	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 5	-86.38312	39.97132
4/25/08 8:42	010	5703200	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 5	-86.38924	39.97629
4/25/08 8:42	012	5703198	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 5	-86.38082	39.96945
4/25/08 8:42	014	5703196	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 5	-86.38721	39.97464
4/25/08 8:42	015	5703195	Normal	OK	18°C	51%	OK	OK	OK	Road Tracking Day 5	-86.38465	39.97256
4/25/08 8:51	005	5703190	Normal	OK	18°C	54%	OK	OK	OK	Road Tracking Day 5	-86.50422	40.08769
4/25/08 8:51	007	5703202	Normal	OK	18°C	53%	OK	OK	OK	Road Tracking Day 5	-86.50467	40.08877
4/25/08 8:51	008	5703180	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 5	-86.50334	40.08554
4/25/08 8:51	011	5703199	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 5	-86.50289	40.08447
4/25/08 8:51	012	5703198	Normal	OK	19°C	51%	OK	OK	OK	Road Tracking Day 5	-86.50552	40.09094
4/25/08 8:51	013	5703197	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 5	-86.50378	40.08662
4/25/08 8:51	016	5703191	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 5	-86.50508	40.08986



**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/25/08 8:52	003	5703187	Normal	OK	18°C	52%	OK	OK	OK	Road Tracking Day 5	-86.50641	40.09310
4/25/08 8:52	004	5703188	Normal	OK	18°C	53%	OK	OK	OK	Road Tracking Day 5	-86.50730	40.09525
4/25/08 8:52	006	5703179	Normal	OK	19°C	51%	OK	OK	OK	Road Tracking Day 5	-86.50820	40.09741
4/25/08 8:52	009	5703201	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 5	-86.50596	40.09202
4/25/08 8:52	010	5703200	Normal	OK	19°C	51%	OK	OK	OK	Road Tracking Day 5	-86.50864	40.09849
4/25/08 8:52	014	5703196	Normal	OK	18°C	50%	OK	OK	OK	Road Tracking Day 5	-86.50775	40.09633
4/25/08 8:52	015	5703195	Normal	OK	19°C	51%	OK	OK	OK	Road Tracking Day 5	-86.50686	40.09417
4/25/08 9:01	005	5703190	Normal	OK	19°C	53%	OK	OK	OK	Road Tracking Day 5	-86.61742	40.22886
4/25/08 9:01	007	5703202	Normal	OK	18°C	53%	OK	OK	OK	Road Tracking Day 5	-86.61844	40.22967
4/25/08 9:01	008	5703180	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 5	-86.61527	40.22729
4/25/08 9:01	011	5703199	Normal	OK	19°C	51%	OK	OK	OK	Road Tracking Day 5	-86.61308	40.22575
4/25/08 9:01	013	5703197	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 5	-86.61636	40.22807
4/25/08 9:01	016	5703191	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 5	-86.61920	40.23028
4/25/08 9:02	003	5703187	Normal	OK	18°C	52%	OK	OK	OK	Road Tracking Day 5	-86.62248	40.23296
4/25/08 9:02	004	5703188	Normal	OK	18°C	53%	OK	OK	OK	Road Tracking Day 5	-86.62450	40.23461
4/25/08 9:02	006	5703179	Normal	OK	19°C	51%	OK	OK	OK	Road Tracking Day 5	-86.62653	40.23626
4/25/08 9:02	009	5703201	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 5	-86.62146	40.23214
4/25/08 9:02	010	5703200	Normal	OK	20°C	51%	OK	OK	OK	Road Tracking Day 5	-86.62754	40.23708
4/25/08 9:02	012	5703198	Normal	OK	19°C	51%	OK	OK	OK	Road Tracking Day 5	-86.62045	40.23131
4/25/08 9:02	014	5703196	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 5	-86.62552	40.23543
4/25/08 9:02	015	5703195	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 5	-86.62349	40.23379
4/25/08 9:11	005	5703190	Normal	OK	19°C	53%	OK	OK	OK	Road Tracking Day 5	-86.76457	40.34261
4/25/08 9:11	007	5703202	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 5	-86.76542	40.34386
4/25/08 9:11	008	5703180	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.76282	40.34012
4/25/08 9:11	011	5703199	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 5	-86.76196	40.33887
4/25/08 9:11	013	5703197	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 5	-86.76370	40.34136
4/25/08 9:11	016	5703191	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 5	-86.76627	40.34512
4/25/08 9:12	003	5703187	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 5	-86.76845	40.34840
4/25/08 9:12	004	5703188	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 5	-86.76979	40.35041
4/25/08 9:12	006	5703179	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 5	-86.77130	40.35267
4/25/08 9:12	009	5703201	Normal	OK	19°C	51%	OK	OK	OK	Road Tracking Day 5	-86.76778	40.34739
4/25/08 9:12	010	5703200	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.77197	40.35368
4/25/08 9:12	012	5703198	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 5	-86.76711	40.34637
4/25/08 9:12	014	5703196	Normal	OK	19°C	50%	OK	OK	OK	Road Tracking Day 5	-86.77063	40.35167
4/25/08 9:12	015	5703195	Normal	OK	19°C	52%	OK	OK	OK	Road Tracking Day 5	-86.76912	40.34940
4/25/08 9:21	005	5703190	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 5	-86.85620	40.48252
4/25/08 9:21	007	5703202	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 5	-86.85661	40.48354
4/25/08 9:21	008	5703180	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 5	-86.85541	40.48048
4/25/08 9:21	011	5703199	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.85503	40.47945
4/25/08 9:21	012	5703198	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.85743	40.48558
4/25/08 9:21	013	5703197	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.85579	40.48151
4/25/08 9:21	016	5703191	Normal	OK	20°C	51%	OK	OK	OK	Road Tracking Day 5	-86.85702	40.48456
4/25/08 9:22	003	5703187	Normal	OK	19°C	53%	OK	OK	OK	Road Tracking Day 5	-86.85825	40.48762
4/25/08 9:22	004	5703188	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 5	-86.85910	40.48964
4/25/08 9:22	006	5703179	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.85998	40.49164
4/25/08 9:22	009	5703201	Normal	OK	19°C	51%	OK	OK	OK	Road Tracking Day 5	-86.85784	40.48660
4/25/08 9:22	010	5703200	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.86060	40.49259
4/25/08 9:22	014	5703196	Normal	OK	20°C	50%	OK	OK	OK	Road Tracking Day 5	-86.85951	40.49065
4/25/08 9:22	015	5703195	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.85866	40.48863
4/25/08 9:31	005	5703190	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 5	-86.98479	40.61279
4/25/08 9:31	007	5703202	Normal	OK	19°C	54%	OK	OK	OK	Road Tracking Day 5	-86.98563	40.61371
4/25/08 9:31	008	5703180	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.98327	40.61086
4/25/08 9:31	011	5703199	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.98274	40.61012
4/25/08 9:31	012	5703198	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.98757	40.61578
4/25/08 9:31	013	5703197	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.98402	40.61183
4/25/08 9:31	016	5703191	Normal	OK	20°C	51%	OK	OK	OK	Road Tracking Day 5	-86.98671	40.61486
4/25/08 9:32	003	5703187	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.98909	40.61739
4/25/08 9:32	004	5703188	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 5	-86.99082	40.61922
4/25/08 9:32	006	5703179	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.99275	40.62127
4/25/08 9:32	009	5703201	Normal	OK	20°C	51%	OK	OK	OK	Road Tracking Day 5	-86.98844	40.61670
4/25/08 9:32	010	5703200	Normal	OK	21°C	52%	OK	OK	OK	Road Tracking Day 5	-86.99362	40.62219
4/25/08 9:32	014	5703196	Normal	OK	20°C	50%	OK	OK	OK	Road Tracking Day 5	-86.99168	40.62013
4/25/08 9:32	015	5703195	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-86.98995	40.61830
4/25/08 9:41	005	5703190	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 5	-87.10788	40.75150
4/25/08 9:41	007	5703202	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 5	-87.10875	40.75242
4/25/08 9:41	008	5703180	Normal	OK	21°C	53%	OK	OK	OK	Road Tracking Day 5	-87.10590	40.74946
4/25/08 9:41	011	5703199	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-87.10524	40.74878
4/25/08 9:41	012	5703198	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-87.11051	40.75423
4/25/08 9:41	013	5703197	Normal	OK	21°C	52%	OK	OK	OK	Road Tracking Day 5	-87.10700	40.75060
4/25/08 9:41	016	5703191	Normal	OK	20°C	51%	OK	OK	OK	Road Tracking Day 5	-87.10963	40.75333
4/25/08 9:42	003	5703187	Normal	OK	20°C	53%	OK	OK	OK	Road Tracking Day 5	-87.11336	40.75719
4/25/08 9:42	004	5703188	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 5	-87.11502	40.75906
4/25/08 9:42	006	5703179	Normal	OK	21°C	52%	OK	OK	OK	Road Tracking Day 5	-87.11629	40.76080
4/25/08 9:42	009	5703201	Normal	OK	20°C	51%	OK	OK	OK	Road Tracking Day 5	-87.11183	40.75560
4/25/08 9:42	010	5703200	Normal	OK	21°C	52%	OK	OK	OK	Road Tracking Day 5	-87.11715	40.76206
4/25/08 9:42	014	5703196	Normal	OK	20°C	50%	OK	OK	OK	Road Tracking Day 5	-87.11575	40.76005
4/25/08 9:42	015	5703195	Normal	OK	20°C	52%	OK	OK	OK	Road Tracking Day 5	-87.11421	40.75811
4/25/08 9:51	005	5703190	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 5	-87.20748	40.90156
4/25/08 9:51	007	5703202	Normal	OK	20°C	54%	OK	OK	OK	Road Tracking Day 5	-87.20802	40.90260
4/25/08 9:51	008	5703180	Normal	OK	21°C	53%	OK	OK	OK	Road Tracking Day 5	-87.20641	40.89945

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/25/08 9:51	011	5703199	Normal	OK	20 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.20587	40.89840
4/25/08 9:51	012	5703198	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.20908	40.90470
4/25/08 9:51	013	5703197	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.20695	40.90050
4/25/08 9:51	016	5703191	Normal	OK	21 °C	51%	OK	OK	OK	Road Tracking Day 5	-87.20855	40.90365
4/25/08 9:52	003	5703187	Normal	OK	20 °C	53%	OK	OK	OK	Road Tracking Day 5	-87.21016	40.90682
4/25/08 9:52	004	5703188	Normal	OK	20 °C	54%	OK	OK	OK	Road Tracking Day 5	-87.21123	40.90893
4/25/08 9:52	006	5703179	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.21230	40.91104
4/25/08 9:52	009	5703201	Normal	OK	20 °C	51%	OK	OK	OK	Road Tracking Day 5	-87.20962	40.90576
4/25/08 9:52	010	5703200	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.21271	40.91183
4/25/08 9:52	014	5703196	Normal	OK	21 °C	50%	OK	OK	OK	Road Tracking Day 5	-87.21176	40.90999
4/25/08 9:52	015	5703195	Normal	OK	21 °C	53%	OK	OK	OK	Road Tracking Day 5	-87.21069	40.90787
4/25/08 10:01	005	5703190	Normal	OK	21 °C	53%	OK	OK	OK	Road Tracking Day 5	-87.27055	41.05871
4/25/08 10:01	007	5703202	Normal	OK	20 °C	54%	OK	OK	OK	Road Tracking Day 5	-87.27055	41.05984
4/25/08 10:01	008	5703180	Normal	OK	21 °C	53%	OK	OK	OK	Road Tracking Day 5	-87.27055	41.05644
4/25/08 10:01	011	5703199	Normal	OK	21 °C	53%	OK	OK	OK	Road Tracking Day 5	-87.27056	41.05531
4/25/08 10:01	012	5703198	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.27055	41.06211
4/25/08 10:01	013	5703197	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.27055	41.05758
4/25/08 10:01	016	5703191	Normal	OK	21 °C	51%	OK	OK	OK	Road Tracking Day 5	-87.27055	41.06097
4/25/08 10:02	003	5703187	Normal	OK	20 °C	53%	OK	OK	OK	Road Tracking Day 5	-87.27053	41.06436
4/25/08 10:02	004	5703188	Normal	OK	21 °C	54%	OK	OK	OK	Road Tracking Day 5	-87.27053	41.06662
4/25/08 10:02	006	5703179	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.27053	41.06887
4/25/08 10:02	009	5703201	Normal	OK	20 °C	51%	OK	OK	OK	Road Tracking Day 5	-87.27054	41.06323
4/25/08 10:02	010	5703200	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.27052	41.07000
4/25/08 10:02	014	5703196	Normal	OK	21 °C	50%	OK	OK	OK	Road Tracking Day 5	-87.27053	41.06775
4/25/08 10:02	015	5703195	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.27053	41.06549
4/25/08 10:11	005	5703190	Normal	OK	21 °C	53%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:11	007	5703202	Normal	OK	21 °C	54%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:11	008	5703180	Normal	OK	21 °C	53%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:11	011	5703199	Normal	OK	21 °C	53%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:11	012	5703198	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:11	013	5703197	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:11	016	5703191	Normal	OK	21 °C	51%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:12	003	5703187	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:12	004	5703188	Normal	OK	21 °C	54%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:12	006	5703179	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:12	009	5703201	Normal	OK	21 °C	51%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:12	010	5703200	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:12	014	5703196	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:12	015	5703195	Normal	OK	21 °C	52%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:14	011	5703199	<b>Alarm</b>	OK	21 °C	53%	<b>Shocked:22</b>	OK	OK	<b>Pallet Bandings Loose</b>	-87.27148	41.16488
4/25/08 10:14	011	5703199	Normal	OK	21 °C	55%	OK	OK	OK	Road Tracking Day 5	-87.27148	41.16488
4/25/08 10:21	005	5703190	Normal	OK	21 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.28150	41.18241
4/25/08 10:21	007	5703202	Normal	OK	21 °C	60%	OK	OK	OK	Road Tracking Day 5	-87.28199	41.18334
4/25/08 10:21	008	5703180	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 5	-87.28052	41.18062
4/25/08 10:21	011	5703199	Normal	OK	21 °C	60%	OK	OK	OK	Road Tracking Day 5	-87.28004	41.17973
4/25/08 10:21	012	5703198	Normal	OK	21 °C	58%	OK	OK	OK	Road Tracking Day 5	-87.28290	41.18534
4/25/08 10:21	013	5703197	Normal	OK	22 °C	58%	OK	OK	OK	Road Tracking Day 5	-87.28100	41.18151
4/25/08 10:21	016	5703191	Normal	OK	21 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.28246	41.18431
4/25/08 10:22	003	5703187	Normal	OK	21 °C	58%	OK	OK	OK	Road Tracking Day 5	-87.28369	41.18753
4/25/08 10:22	004	5703188	Normal	OK	21 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.28426	41.18982
4/25/08 10:22	006	5703179	Normal	OK	22 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.28462	41.19213
4/25/08 10:22	009	5703201	Normal	OK	21 °C	60%	OK	OK	OK	Road Tracking Day 5	-87.28331	41.18641
4/25/08 10:22	010	5703200	Normal	OK	22 °C	60%	OK	OK	OK	Road Tracking Day 5	-87.28471	41.19327
4/25/08 10:22	014	5703196	Normal	OK	21 °C	55%	OK	OK	OK	Road Tracking Day 5	-87.28447	41.19098
4/25/08 10:22	015	5703195	Normal	OK	21 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.28401	41.18867
4/25/08 10:31	005	5703190	Normal	OK	22 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.31265	41.34997
4/25/08 10:31	007	5703202	Normal	OK	21 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.31308	41.35104
4/25/08 10:31	008	5703180	Normal	OK	22 °C	59%	OK	OK	OK	Road Tracking Day 5	-87.31180	41.34781
4/25/08 10:31	011	5703199	Normal	OK	21 °C	58%	OK	OK	OK	Road Tracking Day 5	-87.31138	41.34673
4/25/08 10:31	012	5703198	Normal	OK	21 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.31393	41.35320
4/25/08 10:31	013	5703197	Normal	OK	22 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.31223	41.34889
4/25/08 10:31	016	5703191	Normal	OK	22 °C	55%	OK	OK	OK	Road Tracking Day 5	-87.31350	41.35212
4/25/08 10:32	003	5703187	Normal	OK	21 °C	56%	OK	OK	OK	Road Tracking Day 5	-87.31478	41.35535
4/25/08 10:32	004	5703188	Normal	OK	21 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.31563	41.35750
4/25/08 10:32	006	5703179	Normal	OK	22 °C	56%	OK	OK	OK	Road Tracking Day 5	-87.31648	41.35965
4/25/08 10:32	009	5703201	Normal	OK	21 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.31436	41.35427
4/25/08 10:32	010	5703200	Normal	OK	22 °C	58%	OK	OK	OK	Road Tracking Day 5	-87.31690	41.36072
4/25/08 10:32	014	5703196	Normal	OK	22 °C	54%	OK	OK	OK	Road Tracking Day 5	-87.31606	41.35858
4/25/08 10:32	015	5703195	Normal	OK	21 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.31520	41.35643
4/25/08 10:41	005	5703190	Normal	OK	22 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.31969	41.50911
4/25/08 10:41	007	5703202	Normal	OK	22 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.31969	41.51012
4/25/08 10:41	008	5703180	Normal	OK	22 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.31968	41.50710
4/25/08 10:41	011	5703199	Normal	OK	21 °C	58%	OK	OK	OK	Road Tracking Day 5	-87.31968	41.50612
4/25/08 10:41	012	5703198	Normal	OK	22 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.31970	41.51215
4/25/08 10:41	013	5703197	Normal	OK	22 °C	56%	OK	OK	OK	Road Tracking Day 5	-87.31969	41.50811
4/25/08 10:41	016	5703191	Normal	OK	22 °C	55%	OK	OK	OK	Road Tracking Day 5	-87.31970	41.51113
4/25/08 10:42	003	5703187	Normal	OK	22 °C	56%	OK	OK	OK	Road Tracking Day 5	-87.31959	41.51418
4/25/08 10:42	004	5703188	Normal	OK	22 °C	56%	OK	OK	OK	Road Tracking Day 5	-87.31933	41.51609
4/25/08 10:42	006	5703179	Normal	OK	22 °C	55%	OK	OK	OK	Road Tracking Day 5	-87.31892	41.51799
4/25/08 10:42	009	5703201	Normal	OK	21 °C	57%	OK	OK	OK	Road Tracking Day 5	-87.31967	41.51317

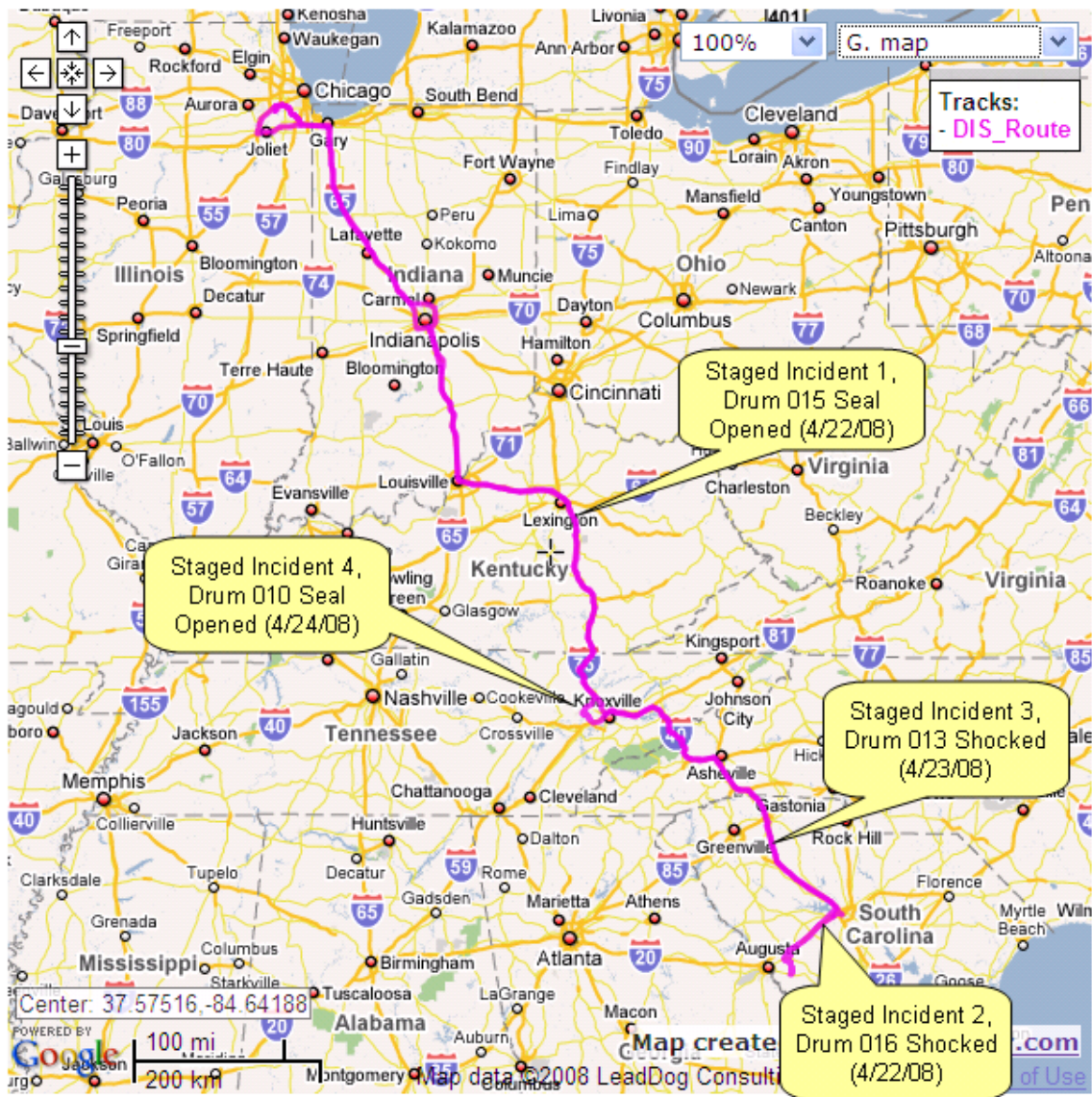
**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

Time (EDT)	Drum	Tag ID	Tag Status	Seal	Temp.	Humidity	Shock	Battery	RF Comm	Event	Longitude	Latitude
4/25/08 10:42	010	5703200	Normal	OK	22°C	57%	OK	OK	OK	Road Tracking Day 5	-87.31866	41.51892
4/25/08 10:42	014	5703196	Normal	OK	22°C	53%	OK	OK	OK	Road Tracking Day 5	-87.31915	41.51704
4/25/08 10:42	015	5703195	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.31948	41.51514
4/25/08 10:51	005	5703190	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.37679	41.56988
4/25/08 10:51	007	5703202	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.37800	41.56988
4/25/08 10:51	008	5703180	Normal	OK	22°C	57%	OK	OK	OK	Road Tracking Day 5	-87.37430	41.56986
4/25/08 10:51	011	5703199	Normal	OK	22°C	57%	OK	OK	OK	Road Tracking Day 5	-87.37304	41.56985
4/25/08 10:51	012	5703198	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.38043	41.56989
4/25/08 10:51	013	5703197	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.37555	41.56987
4/25/08 10:51	016	5703191	Normal	OK	22°C	54%	OK	OK	OK	Road Tracking Day 5	-87.37921	41.56989
4/25/08 10:52	003	5703187	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.38288	41.56991
4/25/08 10:52	004	5703188	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.38537	41.56992
4/25/08 10:52	006	5703179	Normal	OK	22°C	54%	OK	OK	OK	Road Tracking Day 5	-87.38785	41.56993
4/25/08 10:52	009	5703201	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.38165	41.56990
4/25/08 10:52	010	5703200	Normal	OK	22°C	57%	OK	OK	OK	Road Tracking Day 5	-87.38909	41.56994
4/25/08 10:52	014	5703196	Normal	OK	22°C	54%	OK	OK	OK	Road Tracking Day 5	-87.38661	41.56993
4/25/08 10:52	015	5703195	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.38412	41.56992
4/25/08 11:01	005	5703190	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.56476	41.57784
4/25/08 11:01	007	5703202	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.56606	41.57784
4/25/08 11:01	008	5703180	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.56214	41.57784
4/25/08 11:01	011	5703199	Normal	OK	22°C	57%	OK	OK	OK	Road Tracking Day 5	-87.56085	41.57785
4/25/08 11:01	012	5703198	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.56867	41.57784
4/25/08 11:01	013	5703197	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.56345	41.57784
4/25/08 11:01	016	5703191	Normal	OK	22°C	54%	OK	OK	OK	Road Tracking Day 5	-87.56704	41.57784
4/25/08 11:02	003	5703187	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.57128	41.57783
4/25/08 11:02	004	5703188	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.57389	41.57783
4/25/08 11:02	006	5703179	Normal	OK	23°C	54%	OK	OK	OK	Road Tracking Day 5	-87.57684	41.57783
4/25/08 11:02	009	5703201	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.56997	41.57783
4/25/08 11:02	010	5703200	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.57846	41.57782
4/25/08 11:02	014	5703196	Normal	OK	22°C	54%	OK	OK	OK	Road Tracking Day 5	-87.57520	41.57783
4/25/08 11:02	015	5703195	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.57258	41.57783
4/25/08 11:11	005	5703190	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.70082	41.63289
4/25/08 11:11	007	5703202	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.70205	41.63297
4/25/08 11:11	008	5703180	Normal	OK	23°C	56%	OK	OK	OK	Road Tracking Day 5	-87.69843	41.63242
4/25/08 11:11	011	5703199	Normal	OK	22°C	57%	OK	OK	OK	Road Tracking Day 5	-87.69731	41.63205
4/25/08 11:11	012	5703198	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.70452	41.63293
4/25/08 11:11	013	5703197	Normal	OK	23°C	54%	OK	OK	OK	Road Tracking Day 5	-87.69961	41.63271
4/25/08 11:11	016	5703191	Normal	OK	22°C	54%	OK	OK	OK	Road Tracking Day 5	-87.70328	41.63295
4/25/08 11:12	003	5703187	Normal	OK	22°C	54%	OK	OK	OK	Road Tracking Day 5	-87.70701	41.63291
4/25/08 11:12	004	5703188	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.70945	41.63317
4/25/08 11:12	006	5703179	Normal	OK	23°C	54%	OK	OK	OK	Road Tracking Day 5	-87.71174	41.63383
4/25/08 11:12	009	5703201	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.70576	41.63291
4/25/08 11:12	010	5703200	Normal	OK	23°C	56%	OK	OK	OK	Road Tracking Day 5	-87.71280	41.63432
4/25/08 11:12	014	5703196	Normal	OK	22°C	54%	OK	OK	OK	Road Tracking Day 5	-87.71061	41.63345
4/25/08 11:12	015	5703195	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.70824	41.63299
4/25/08 11:21	005	5703190	Normal	OK	23°C	56%	OK	OK	OK	Road Tracking Day 5	-87.81093	41.72756
4/25/08 11:21	007	5703202	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.81151	41.72825
4/25/08 11:21	008	5703180	Normal	OK	23°C	56%	OK	OK	OK	Road Tracking Day 5	-87.80999	41.72605
4/25/08 11:21	011	5703199	Normal	OK	22°C	57%	OK	OK	OK	Road Tracking Day 5	-87.80961	41.72528
4/25/08 11:21	012	5703198	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.81287	41.72953
4/25/08 11:21	013	5703197	Normal	OK	23°C	54%	OK	OK	OK	Road Tracking Day 5	-87.81042	41.72682
4/25/08 11:21	016	5703191	Normal	OK	22°C	53%	OK	OK	OK	Road Tracking Day 5	-87.81216	41.72891
4/25/08 11:22	003	5703187	Normal	OK	22°C	54%	OK	OK	OK	Road Tracking Day 5	-87.81448	41.73072
4/25/08 11:22	004	5703188	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.81609	41.73188
4/25/08 11:22	006	5703179	Normal	OK	23°C	54%	OK	OK	OK	Road Tracking Day 5	-87.81766	41.73301
4/25/08 11:22	009	5703201	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.81366	41.73013
4/25/08 11:22	010	5703200	Normal	OK	23°C	56%	OK	OK	OK	Road Tracking Day 5	-87.81841	41.73354
4/25/08 11:22	014	5703196	Normal	OK	22°C	53%	OK	OK	OK	Road Tracking Day 5	-87.81689	41.73245
4/25/08 11:22	015	5703195	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.81529	41.73131
4/25/08 11:31	005	5703190	Normal	OK	23°C	55%	OK	OK	OK	Road Tracking Day 5	-87.95088	41.73913
4/25/08 11:31	007	5703202	Normal	OK	23°C	56%	OK	OK	OK	Road Tracking Day 5	-87.95190	41.73878
4/25/08 11:31	008	5703180	Normal	OK	23°C	56%	OK	OK	OK	Road Tracking Day 5	-87.94887	41.73987
4/25/08 11:31	011	5703199	Normal	OK	22°C	56%	OK	OK	OK	Road Tracking Day 5	-87.94787	41.74027
4/25/08 11:31	012	5703198	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.95373	41.73816
4/25/08 11:31	013	5703197	Normal	OK	23°C	54%	OK	OK	OK	Road Tracking Day 5	-87.94987	41.73949
4/25/08 11:31	016	5703191	Normal	OK	23°C	53%	OK	OK	OK	Road Tracking Day 5	-87.95294	41.73843
4/25/08 11:32	003	5703187	Normal	OK	22°C	54%	OK	OK	OK	Road Tracking Day 5	-87.95614	41.73733
4/25/08 11:32	004	5703188	Normal	OK	23°C	54%	OK	OK	OK	Road Tracking Day 5	-87.95830	41.73659
4/25/08 11:32	006	5703179	Normal	OK	23°C	53%	OK	OK	OK	Road Tracking Day 5	-87.96046	41.73584
4/25/08 11:32	009	5703201	Normal	OK	22°C	55%	OK	OK	OK	Road Tracking Day 5	-87.95508	41.73771
4/25/08 11:32	010	5703200	Normal	OK	23°C	56%	OK	OK	OK	Road Tracking Day 5	-87.96153	41.73547
4/25/08 11:32	014	5703196	Normal	OK	23°C	53%	OK	OK	OK	Road Tracking Day 5	-87.95940	41.73621
4/25/08 11:32	015	5703195	Normal	OK	23°C	55%	OK	OK	OK	Road Tracking Day 5	-87.95722	41.73696
4/25/08 11:41	005	5703190	Normal	OK	23°C	55%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823
4/25/08 11:41	007	5703202	Normal	OK	23°C	54%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823
4/25/08 11:41	008	5703180	Normal	OK	23°C	55%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823
4/25/08 11:41	011	5703199	Normal	OK	22°C	56%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823
4/25/08 11:41	012	5703198	Normal	OK	22°C	55%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823
4/25/08 11:41	013	5703197	Normal	OK	23°C	54%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823
4/25/08 11:41	016	5703191	Normal	OK	23°C	53%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823

**Tag Data from ANL-VTS Tracking System During DEMO (4/21/08 - 4/25/08)**

<b>Time (EDT)</b>	<b>Drum</b>	<b>Tag ID</b>	<b>Tag Status</b>	<b>Seal</b>	<b>Temp.</b>	<b>Humidity</b>	<b>Shock</b>	<b>Battery</b>	<b>RF Comm</b>	<b>Event</b>	<b>Longitude</b>	<b>Latitude</b>
4/25/08 11:42	003	5703187	Normal	OK	23°C	53%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823
4/25/08 11:42	004	5703188	Normal	OK	23°C	54%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823
4/25/08 11:42	006	5703179	Normal	OK	23°C	54%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823
4/25/08 11:42	009	5703201	Normal	OK	22°C	54%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823
4/25/08 11:42	010	5703200	Normal	OK	23°C	55%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823
4/25/08 11:42	014	5703196	Normal	OK	23°C	53%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823
4/25/08 11:42	015	5703195	Normal	OK	23°C	54%	OK	OK	OK	<i>End of DEMO</i>	-87.97841	41.71823

## Appendix E: GIS Reports for Staged Incidents during Transport





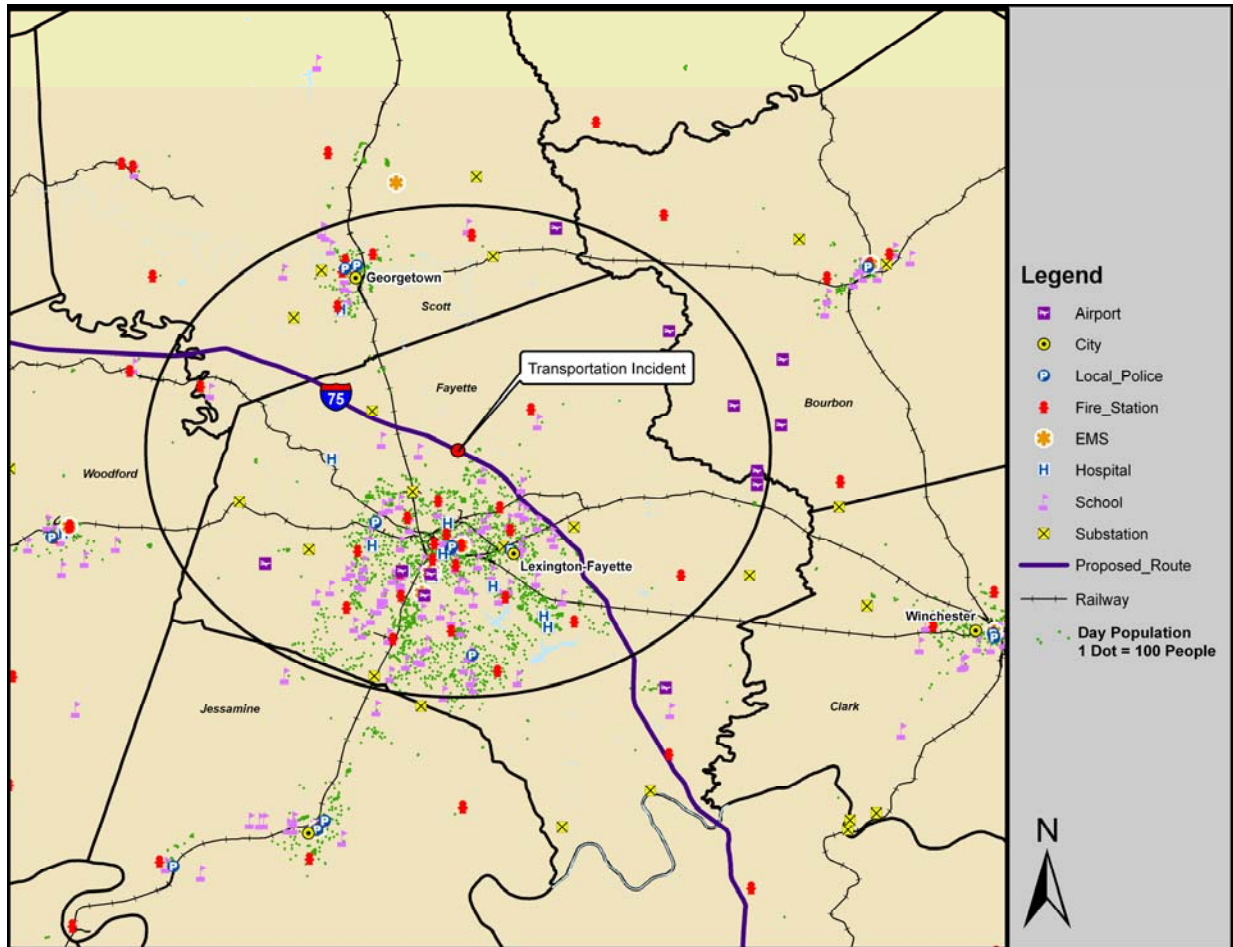
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**GIS Spatial Query Report:  
“Staged” Incident 1, I-75 near Lexington-Fayette, KY  
10-mile Buffer Zone**

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4/22/2008 08:21 AM

***Packagings RFID Tracking System - DEMO***

Geographical Information System (GIS) is widely used in management of emergencies. This is an example GIS Spatial Query Report for “staged” Incident 1, I-75 near Lexington-Fayette, Ky showing all key facility locations within a 10-mile buffer zone. This report is generated by the staff of the Decision and Information Sciences Division of Argonne National Laboratory, using a system developed for the Department of Homeland Security.

## Total Features within 10 mile Buffer

### Summary Counts

<a href="#">Airport</a>	9
<a href="#">Local Police</a>	7
<a href="#">Fire Station</a>	26
<a href="#">EMS</a>	5
<a href="#">Hospital</a>	14
<a href="#">School</a>	94
<a href="#">Substation</a>	10
<a href="#">WaterPoly</a>	3
<a href="#">Railway</a>	3
<a href="#">dtl_cnty</a>	6

**Total Day Population:** 296,573

### Airport

**Feature(s) Selected:** [Back to Top](#)

<b>NAME:</b> Zanzibar Farm <b>OWNER:</b> Pr <b>USE:</b> Airport	<b>NAME:</b> Blue Haven Farm <b>OWNER:</b> Pr <b>USE:</b> Airport
<b>NAME:</b> Blue Grass <b>OWNER:</b> Pu <b>USE:</b> Airport	<b>NAME:</b> Georgetown Scott County - Marshall Fld <b>OWNER:</b> Pu <b>USE:</b> Airport
<b>NAME:</b> Central Baptist Hospital Helistop <b>OWNER:</b> Pr <b>USE:</b> Heliport	<b>NAME:</b> Uk Hospital <b>OWNER:</b> Pr <b>USE:</b> Heliport
<b>NAME:</b> Saint Joseph Hospital <b>OWNER:</b> Pr <b>USE:</b> Heliport	<b>NAME:</b> Blue Grass Station Ahp <b>OWNER:</b> Mr <b>USE:</b> Heliport

### Local\_Police

**Feature(s) Selected:** [Back to Top](#)

<b>NAME:</b> Fayette County Sheriff's Dept. Headquarters <b>PHONE:</b> 252-1771 <b>CITY:</b> Lexington <b>ADDRESS:</b> 150 N. Limestone <b>AREA:</b> 859 <b>ZIP:</b> 40507	<b>NAME:</b> Georgetown Police Dept. Headquarters <b>PHONE:</b> 863-7826 <b>CITY:</b> Georgetown <b>ADDRESS:</b> 550 Bourbon St. <b>AREA:</b> 270 <b>ZIP:</b> 40324
<b>NAME:</b> Lexington-Fayette Police Dept Central Sector Roll Call <b>PHONE:</b> 425-2390 <b>CITY:</b> Lexington	<b>NAME:</b> Lexington-Fayette Police Dept East Sector Roll Call <b>PHONE:</b> 272-5225 <b>CITY:</b> Lexington

<b>ADDRESS:</b> 1060 Goodwin Dr <b>AREA:</b> 859 <b>ZIP:</b> 40505	<b>ADDRESS:</b> 1165 Centre Pkwy <b>AREA:</b> 859 <b>ZIP:</b> 40517
<b>NAME:</b> Lexington-Fayette Police Dept West Sector Roll Call <b>PHONE:</b> 425-2370 <b>CITY:</b> Lexington <b>ADDRESS:</b> 1795 Old Frankfort Pike <b>AREA:</b> 859 <b>ZIP:</b> 40504	<b>NAME:</b> Lexington-Fayette Police Dept. Headquarters <b>PHONE:</b> 258-3600 <b>CITY:</b> Lexington <b>ADDRESS:</b> 150 E Main St. <b>AREA:</b> 859 <b>ZIP:</b> 40507

## Fire\_Station

**Feature(s) Selected:** [Back to Top](#)

<b>NAME:</b> Woodford Co Fd Station 4 <b>ADDRESS:</b> 503 Leestown Rd <b>AREA:</b> 606 <b>CITY:</b> Midway <b>PHONE:</b> 873-5481 <b>ZIP:</b> 40347	<b>NAME:</b> Lexington Fd Station 5 <b>ADDRESS:</b> 300 Woodland Ave <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 255-9277 <b>ZIP:</b> 40508
<b>NAME:</b> Lexington Fd Station 7 <b>ADDRESS:</b> 3307 Tates Creek Rd <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 269-9719 <b>ZIP:</b> 40502	<b>NAME:</b> Lexington Fd Station 9 <b>ADDRESS:</b> 2234 Richmond Rd <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 269-1396 <b>ZIP:</b> 40502
<b>NAME:</b> Lexington Fd Station 12 <b>ADDRESS:</b> 399 Southland Dr <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 277-7811 <b>ZIP:</b> 40503	<b>NAME:</b> Lexington Fd Station 15 <b>ADDRESS:</b> 3308 Shillito Park Rd <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 223-7407 <b>ZIP:</b> 40503
<b>NAME:</b> Lexington Fd Station 11 <b>ADDRESS:</b> 1626 Harrodsburg Rd <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 278-8124 <b>ZIP:</b> 40504	<b>NAME:</b> Lexington Fd Station 4 <b>ADDRESS:</b> 246 Jefferson St <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 255-9276 <b>ZIP:</b> 40508
<b>NAME:</b> Lexington Fd St 21 <b>ADDRESS:</b> 3191 Mapleleaf Dr <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 543-4181 <b>ZIP:</b> 40509	<b>NAME:</b> Lexington Fd Station 17 <b>ADDRESS:</b> 4113 Winchester Rd <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 299-7609 <b>ZIP:</b> 40509
<b>NAME:</b> Lexington Fd Station 13 <b>ADDRESS:</b> 1432 Leestown Rd <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 252-5463 <b>ZIP:</b> 40511	<b>NAME:</b> Lexington Fd Station 19 <b>ADDRESS:</b> 3450 Huffman Mill Pike <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 294-9115 <b>ZIP:</b> 40511



<b>NAME:</b> Georgetown Fd Station 1 <b>ADDRESS:</b> 141 S Broadway St <b>AREA:</b> 502 <b>CITY:</b> Georgetown <b>PHONE:</b> 863-7831 <b>ZIP:</b> 40324	<b>NAME:</b> Lexington Fd Station 1 <b>ADDRESS:</b> 219 E 3Rd St <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 231-5641 <b>ZIP:</b> 40508
<b>NAME:</b> Lexington Fd Station 10 <b>ADDRESS:</b> 1138 Finney Dr <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 255-9360 <b>ZIP:</b> 40511	<b>NAME:</b> Lexington Fd Station 14 <b>ADDRESS:</b> 1530 Roanoke Rd <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 278-2904 <b>ZIP:</b> 40504
<b>NAME:</b> Lexington Fd Station 16 <b>ADDRESS:</b> 3700 Man O War Blvd <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 273-8005 <b>ZIP:</b> 40515	<b>NAME:</b> Lexington Fd Station 2 <b>ADDRESS:</b> 415 E New Circle Rd <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 293-1812 <b>ZIP:</b> 40505
<b>NAME:</b> Lexington Fd Station 3 <b>ADDRESS:</b> 370 Merino St <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 231-8567 <b>ZIP:</b> 40508	<b>NAME:</b> Lexington Fd Station 6 <b>ADDRESS:</b> 501 S Limestone <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 255-9278 <b>ZIP:</b> 40508
<b>NAME:</b> Lexington Fd Station 8 <b>ADDRESS:</b> 1725 N Broadway <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 299-0714 <b>ZIP:</b> 40505	<b>NAME:</b> Scott Co Fire Dept Station 4 <b>ADDRESS:</b> 3217 Newtown Pike <b>AREA:</b> 502 <b>CITY:</b> Georgetown <b>PHONE:</b> 863-7864 <b>ZIP:</b> 40324
<b>NAME:</b> Lexington Fire Dept St 20 <b>ADDRESS:</b> 3001 Arrowhead Dr <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>PHONE:</b> 219-0291 <b>ZIP:</b> 40503	<b>NAME:</b> Scott Co Fire Dept St 6 <b>ADDRESS:</b> 100 E Penn Ave <b>AREA:</b> 502 <b>CITY:</b> Georgetown <b>PHONE:</b> 867-3716 <b>ZIP:</b> 40324
<b>NAME:</b> Georgetown Fd Station 2 <b>ADDRESS:</b> 200 Morgan Mill Rd <b>AREA:</b> 502 <b>CITY:</b> Georgetown <b>PHONE:</b> 863-7832 <b>ZIP:</b> 40324	<b>NAME:</b> Georgetown Fd Station 3 <b>ADDRESS:</b> 101 Airport Rd <b>AREA:</b> 502 <b>CITY:</b> Georgetown <b>PHONE:</b> 863-7833 <b>ZIP:</b> 40324

## EMS

**Feature(s) Selected:** [Back to Top](#)

<b>ADDRESS:</b> 1740 Nicholasville Rd <b>AREA:</b> <b>CITY:</b> Lexington <b>NAME:</b> Critical Care Transport Amb <b>PHONE:</b> <b>ZIP:</b> 40503	<b>ADDRESS:</b> 230 E Main St <b>AREA:</b> <b>CITY:</b> Georgetown <b>NAME:</b> Georgetown-Scott Co Ems <b>PHONE:</b> <b>ZIP:</b> 40324
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<b>ADDRESS:</b> 219 E 3Rd St <b>AREA:</b> <b>CITY:</b> Lexington <b>NAME:</b> Lexington Fire Dept Amb Ser <b>PHONE:</b> <b>ZIP:</b> 40508	<b>ADDRESS:</b> 800 Rose St <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Univ Ky Hosp/Aeromedical Svc <b>PHONE:</b> 323-6215 <b>ZIP:</b> 40536
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## Hospital

**Feature(s) Selected:** [Back to Top](#)

<b>ADDRESS:</b> 2050 Versailles Road <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Cardinal Hill Rehabilitation Hospital <b>PHONE:</b> 254-5701 <b>ZIP:</b> 40504 <b>BEDSIZE:</b> 108	<b>ADDRESS:</b> 1740 Nicholasville Road <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Central Baptist Hospital <b>PHONE:</b> 260-6100 <b>ZIP:</b> 40503 <b>BEDSIZE:</b> 371
<b>ADDRESS:</b> 150 North Eagle Creek Drive <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Continuing Care Hospital <b>PHONE:</b> 967-5744 <b>ZIP:</b> 40509 <b>BEDSIZE:</b> 25	<b>ADDRESS:</b> 627 W 4Th St <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Eastern State Hospital <b>PHONE:</b> 246-7000 <b>ZIP:</b> 40508 <b>BEDSIZE:</b> 323
<b>ADDRESS:</b> 3301 Leestown Road <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Federal Medical Center <b>PHONE:</b> 255-6812 <b>ZIP:</b> 40511 <b>BEDSIZE:</b> 21	<b>ADDRESS:</b> 1140 Lexington Road <b>AREA:</b> 502 <b>CITY:</b> Georgetown <b>NAME:</b> Georgetown Community Hospital <b>PHONE:</b> 868-1100 <b>ZIP:</b> 40324 <b>BEDSIZE:</b> 75
<b>ADDRESS:</b> 1101 Veterans Drive <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Lexington Veteran Medical Center <b>PHONE:</b> 233-4511 <b>ZIP:</b> 40502 <b>BEDSIZE:</b> 407	<b>ADDRESS:</b> 3050 Rio Dosa Drive <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Ridge Behavioral Health Systems <b>PHONE:</b> 269-2325 <b>ZIP:</b> 40509 <b>BEDSIZE:</b> 110
<b>ADDRESS:</b> 150 North Eagle Creek Drive <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Saint Joseph East <b>PHONE:</b> 967-5000 <b>ZIP:</b> 40509 <b>BEDSIZE:</b> 174	<b>ADDRESS:</b> 1 Saint Joseph Drive <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Saint Joseph Hospital <b>PHONE:</b> 313-1000 <b>ZIP:</b> 40504 <b>BEDSIZE:</b> 0
<b>ADDRESS:</b> 310 South Limestone Street <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Samaritan Hospital <b>PHONE:</b> 226-7000 <b>ZIP:</b> 40508	<b>ADDRESS:</b> 310 South Limestone <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Select Specialty Hospital Lexington <b>PHONE:</b> 226-7321 <b>ZIP:</b> 40508

<b>BEDSIZE:</b> 336	<b>BEDSIZE:</b> 41
<b>ADDRESS:</b> 1900 Richmond Rd <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> Shriners Hospital For Children <b>PHONE:</b> 266-2101 <b>ZIP:</b> 40502 <b>BEDSIZE:</b> 50	<b>ADDRESS:</b> 800 Rose Street <b>AREA:</b> 859 <b>CITY:</b> Lexington <b>NAME:</b> University Of Kentucky Medical Center <b>PHONE:</b> 323-5000 <b>ZIP:</b> 40536 <b>BEDSIZE:</b> 473

## School

**Feature(s) Selected:** [Back to Top](#)

<b>AD1:</b> 928 N Limestone <b>CITY:</b> Lexington <b>NAME:</b> Arlington Elem School <b>ZIP5:</b> 40505	<b>AD1:</b> 195 N Ashland Ave <b>CITY:</b> Lexington <b>NAME:</b> Ashland Elem School <b>ZIP5:</b> 40502
<b>AD1:</b> 2780 Clays Mill Rd <b>CITY:</b> Lexington <b>NAME:</b> Assembly Christ School <b>ZIP5:</b> 40503	<b>AD1:</b> 798 Georgetown St <b>CITY:</b> Lexington <b>NAME:</b> B T Washington Elem School <b>ZIP5:</b> 40508
<b>AD1:</b> 2080 Georgian Way <b>CITY:</b> Lexington <b>NAME:</b> Beaumont Middle School <b>ZIP5:</b> 40504	<b>AD1:</b> 1330 Red River Dr <b>CITY:</b> Lexington <b>NAME:</b> Bluegrass Baptist Sch <b>ZIP5:</b> 40517
<b>AD1:</b> 2101 Saint Mathilda Dr <b>CITY:</b> Lexington <b>NAME:</b> Breckinridge Elem Sch <b>ZIP5:</b> 40502	<b>AD1:</b> 1865 Wickland Dr <b>CITY:</b> Lexington <b>NAME:</b> Bryan Station Middle School <b>ZIP5:</b> 40505
<b>AD1:</b> 1866 Edgeworth Dr <b>CITY:</b> Lexington <b>NAME:</b> Bryan Station Trad Magnet H S <b>ZIP5:</b> 40505	<b>AD1:</b> 218 Mandalay Rd <b>CITY:</b> Lexington <b>NAME:</b> Cardinal Valley Elem Sch <b>ZIP5:</b> 40504
<b>AD1:</b> 1125 Tates Creek Rd <b>CITY:</b> Lexington <b>NAME:</b> Cassidy Elem School <b>ZIP5:</b> 40502	<b>AD1:</b> 308 Vo Tech Rd <b>CITY:</b> Lexington <b>NAME:</b> Central Ky Tech College <b>ZIP5:</b> 40511
<b>AD1:</b> 308 Vo Tech Rd <b>CITY:</b> Lexington <b>NAME:</b> Central Ky Tech College Adult Ed <b>ZIP5:</b> 40511	<b>AD1:</b> 412 Cochran Rd <b>CITY:</b> Lexington <b>NAME:</b> Christ The King Elem Sch <b>ZIP5:</b> 40502
<b>AD1:</b> 2319 Clays Mill Rd <b>CITY:</b> Lexington <b>NAME:</b> Clays Mill Elem School <b>ZIP5:</b> 40503	<b>AD1:</b> 3000 Clays Mill Rd <b>CITY:</b> Lexington <b>NAME:</b> Clays Ml Rd Christ Academy <b>ZIP5:</b> 40503
<b>AD1:</b> 166 Crestwood Dr <b>CITY:</b> Lexington <b>NAME:</b> Comm Montessori Elem Sch <b>ZIP5:</b> 40503	<b>AD1:</b> 1813 Charleston Dr <b>CITY:</b> Lexington <b>NAME:</b> Crawford Middle School <b>ZIP5:</b> 40505
<b>AD1:</b> 115 Cisco Rd <b>CITY:</b> Lexington	<b>AD1:</b> 1919 Brynell Dr <b>CITY:</b> Lexington

<b>NAME:</b> Day Treatment Center School <b>ZIP5:</b> 40504	<b>NAME:</b> Deep Springs Elem School <b>ZIP5:</b> 40505
<b>AD1:</b> 1940 Eastland Pkwy <b>CITY:</b> Lexington <b>NAME:</b> Dixie Magnet Elem School <b>ZIP5:</b> 40505	<b>AD1:</b> 3407 Newtown Pike <b>CITY:</b> Georgetown <b>NAME:</b> Eastern Elem School <b>ZIP5:</b> 40324
<b>AD1:</b> 2208 Liberty Rd <b>CITY:</b> Lexington <b>NAME:</b> Eastside Ctr For Applied Tech <b>ZIP5:</b> 40509	<b>AD1:</b> 2151 Garden Springs Dr <b>CITY:</b> Lexington <b>NAME:</b> Garden Springs Elem Sch <b>ZIP5:</b> 40504
<b>AD1:</b> 501 S Hamilton St <b>CITY:</b> Georgetown <b>NAME:</b> Garth Elem School <b>ZIP5:</b> 40324	<b>AD1:</b> 730 S Hamilton St <b>CITY:</b> Georgetown <b>NAME:</b> Georgetown Middle School <b>ZIP5:</b> 40324
<b>AD1:</b> 710 Glendover Rd <b>CITY:</b> Lexington <b>NAME:</b> Glendover Elem School <b>ZIP5:</b> 40502	<b>AD1:</b> 915 Murray Dr # 342-352 <b>CITY:</b> Lexington <b>NAME:</b> Hallis Elem School <b>ZIP5:</b> 40505
<b>AD1:</b> 161 Bruce St <b>CITY:</b> Lexington <b>NAME:</b> Harrison Elem School <b>ZIP5:</b> 40507	<b>AD1:</b> 2100 Fontaine Rd <b>CITY:</b> Lexington <b>NAME:</b> Henry Clay High School <b>ZIP5:</b> 40502
<b>AD1:</b> 1901 Appomattox Rd <b>CITY:</b> Lexington <b>NAME:</b> J L Allen Elem School <b>ZIP5:</b> 40504	<b>AD1:</b> 3341 Clays Mill Rd <b>CITY:</b> Lexington <b>NAME:</b> Jessie M Clark Middle School <b>ZIP5:</b> 40503
<b>AD1:</b> 123 E 6Th St <b>CITY:</b> Lexington <b>NAME:</b> Johnson Elem School <b>ZIP5:</b> 40508	<b>AD1:</b> 350 Henry Clay Blvd <b>CITY:</b> Lexington <b>NAME:</b> Julia R Ewan Elem Sch <b>ZIP5:</b> 40502
<b>AD1:</b> 3277 Pepperhill Rd <b>CITY:</b> Lexington <b>NAME:</b> Julius Marks Elem School <b>ZIP5:</b> 40502	<b>AD1:</b> 3111 Spurr Rd <b>CITY:</b> Lexington <b>NAME:</b> Kctcs/Blackburn Adult Ed <b>ZIP5:</b> 40511
<b>AD1:</b> 401 Reed Ln <b>CITY:</b> Lexington <b>NAME:</b> Lafayette High School <b>ZIP5:</b> 40503	<b>AD1:</b> 336 Redding Rd <b>CITY:</b> Lexington <b>NAME:</b> Lansdowne Elem School <b>ZIP5:</b> 40517
<b>AD1:</b> 2010 Leestown Rd <b>CITY:</b> Lexington <b>NAME:</b> Leestown Middle School <b>ZIP5:</b> 40511	<b>AD1:</b> 2250 Clays Mill Rd <b>CITY:</b> Lexington <b>NAME:</b> Lexington Catholic High Sch <b>ZIP5:</b> 40503
<b>AD1:</b> 450 W Reynolds Rd <b>CITY:</b> Lexington <b>NAME:</b> Lexington Christ Acad-High <b>ZIP5:</b> 40503	<b>AD1:</b> 2800 Mtates Creek Rd <b>CITY:</b> Lexington <b>NAME:</b> Lexington Christian Acad-Cent <b>ZIP5:</b> 40502
<b>AD1:</b> 2598 Liberty Rd <b>CITY:</b> Lexington <b>NAME:</b> Lexington Christian Academy <b>ZIP5:</b> 40509	<b>AD1:</b> 4300 Nicholasville Rd <b>CITY:</b> Lexington <b>NAME:</b> Lexington Christian Acad-Pmbc <b>ZIP5:</b> 40515

<b>AD1:</b> 300 Harvard Dr <b>CITY:</b> Lexington <b>NAME:</b> Lexington Christian Acad-Sacc <b>ZIP5:</b> 40517	<b>AD1:</b> 3100 Bates Creek Rd Ste 50 <b>CITY:</b> Lexington <b>NAME:</b> Lexington Christian Inter Sch <b>ZIP5:</b> 40502
<b>AD1:</b> 450 W Reynolds Rd <b>CITY:</b> Lexington <b>NAME:</b> Lexington Christian Jr High Sch <b>ZIP5:</b> 40503	<b>AD1:</b> 3100 Bates Creek Rd Ste 200 <b>CITY:</b> Lexington <b>NAME:</b> Lexington Christian Primary Sch <b>ZIP5:</b> 40502
<b>AD1:</b> 968 Lane Allen Rd <b>CITY:</b> Lexington <b>NAME:</b> Lexington Jr Acad Elem Sch <b>ZIP5:</b> 40504	<b>AD1:</b> 319 S Broadway Park <b>CITY:</b> Lexington <b>NAME:</b> Lexington Mont Sch <b>ZIP5:</b> 40504
<b>AD1:</b> 2545 Georgetown Rd <b>CITY:</b> Lexington <b>NAME:</b> Linlee Elem School <b>ZIP5:</b> 40511	<b>AD1:</b> 2200 Liberty Rd <b>CITY:</b> Lexington <b>NAME:</b> Martin L King Jr Acad For Excellence <b>ZIP5:</b> 40509
<b>AD1:</b> 2501 Clays Mill Rd <b>CITY:</b> Lexington <b>NAME:</b> Mary Queen-Holy Rosary Sch <b>ZIP5:</b> 40503	<b>AD1:</b> 551 Parkside Dr <b>CITY:</b> Lexington <b>NAME:</b> Mary Todd Elem School <b>ZIP5:</b> 40505
<b>AD1:</b> 301 Woodland Ave <b>CITY:</b> Lexington <b>NAME:</b> Maxwell Elem School <b>ZIP5:</b> 40508	<b>AD1:</b> 1710 N Forbes Rd <b>CITY:</b> Lexington <b>NAME:</b> Meadowthorpe Elem School <b>ZIP5:</b> 40511
<b>AD1:</b> 1212 Reva Ridge Way <b>CITY:</b> Lexington <b>NAME:</b> Mill Creek Elem School <b>ZIP5:</b> 40517	<b>AD1:</b> 1225 Bates Creek Rd <b>CITY:</b> Lexington <b>NAME:</b> Morton Middle School <b>ZIP5:</b> 40502
<b>AD1:</b> 2842 Us Highway 421 <b>CITY:</b> Midway <b>NAME:</b> New Hope Christian Academy <b>ZIP5:</b> 40347	<b>AD1:</b> 340 Rookwood Pkwy <b>CITY:</b> Lexington <b>NAME:</b> Northern Elem School <b>ZIP5:</b> 40505
<b>AD1:</b> 1600 Man O War Blvd <b>CITY:</b> Lexington <b>NAME:</b> Paul Lawrence Dunbar High Sch <b>ZIP5:</b> 40513	<b>AD1:</b> 1642 Harrodsburg Rd <b>CITY:</b> Lexington <b>NAME:</b> Picadome Elem School <b>ZIP5:</b> 40504
<b>AD1:</b> 1209 Texaco Rd <b>CITY:</b> Lexington <b>NAME:</b> Providence Mont Sch <b>ZIP5:</b> 40508	<b>AD1:</b> 1251 Beaumont Centre Ln <b>CITY:</b> Lexington <b>NAME:</b> Rosa Parks Elem School <b>ZIP5:</b> 40513
<b>AD1:</b> 3375 Russell Cave Rd <b>CITY:</b> Lexington <b>NAME:</b> Russell Cave Elem School <b>ZIP5:</b> 40511	<b>AD1:</b> 194 N Limestone <b>CITY:</b> Lexington <b>NAME:</b> Sayre Sch <b>ZIP5:</b> 40507
<b>AD1:</b> 400 Lafayette Pkwy <b>CITY:</b> Lexington <b>NAME:</b> Scapa At Bluegrass Middle School <b>ZIP5:</b> 40503	<b>AD1:</b> 800 Cincinnati Rd <b>CITY:</b> Georgetown <b>NAME:</b> Scott Co Adult Ed Ctr <b>ZIP5:</b> 40324
<b>AD1:</b> 1076 Long Lick Pike <b>CITY:</b> Georgetown	<b>AD1:</b> 1072 Long Lick Pike <b>CITY:</b> Georgetown

<b>NAME:</b> Scott Co Alternative High Sch <b>ZIP5:</b> 40324	<b>NAME:</b> Scott Co Ninth Grade School <b>ZIP5:</b> 40324
<b>AD1:</b> 1080 Cardinal Dr <b>CITY:</b> Georgetown <b>NAME:</b> Scott Co Sr High School <b>ZIP5:</b> 40324	<b>AD1:</b> 1036 Long Lick Pike <b>CITY:</b> Georgetown <b>NAME:</b> Scott County Middle School <b>ZIP5:</b> 40324
<b>AD1:</b> 340 Wilson Downing Rd <b>CITY:</b> Lexington <b>NAME:</b> Southern Elem School <b>ZIP5:</b> 40517	<b>AD1:</b> 1200 Fairfax Way <b>CITY:</b> Georgetown <b>NAME:</b> Southern Elem School <b>ZIP5:</b> 40324
<b>AD1:</b> 400 Wilson Downing Rd <b>CITY:</b> Lexington <b>NAME:</b> Southern Middle School <b>ZIP5:</b> 40517	<b>AD1:</b> 1784 Harrodsburg Rd <b>CITY:</b> Lexington <b>NAME:</b> Southside Tech Ed Center <b>ZIP5:</b> 40504
<b>AD1:</b> 3337 Squire Oak Dr <b>CITY:</b> Lexington <b>NAME:</b> Squires Elem School <b>ZIP5:</b> 40515	<b>AD1:</b> 133 Barr St <b>CITY:</b> Lexington <b>NAME:</b> Ss Peter & Paul Elem School <b>ZIP5:</b> 40507
<b>AD1:</b> 453 W Short St <b>CITY:</b> Lexington <b>NAME:</b> Ss Peter & Paul Middle School <b>ZIP5:</b> 40507	<b>AD1:</b> 106 Military St <b>CITY:</b> Georgetown <b>NAME:</b> St John Elem School <b>ZIP5:</b> 40324
<b>AD1:</b> 125 Barr St <b>CITY:</b> Lexington <b>NAME:</b> St Peter Early Chld Hd Ctr <b>ZIP5:</b> 40507	<b>AD1:</b> 3215 Cornwall Dr <b>CITY:</b> Lexington <b>NAME:</b> Stonewall Elem School <b>ZIP5:</b> 40503
<b>AD1:</b> 1113 Centre Pkwy <b>CITY:</b> Lexington <b>NAME:</b> Tates Creek Elem School <b>ZIP5:</b> 40517	<b>AD1:</b> 1111 Centre Pkwy <b>CITY:</b> Lexington <b>NAME:</b> Tates Creek High Sch <b>ZIP5:</b> 40517
<b>AD1:</b> 1105 Centre Pkwy <b>CITY:</b> Lexington <b>NAME:</b> Tates Creek Middle School <b>ZIP5:</b> 40517	<b>AD1:</b> 1050 Lane Allen Rd <b>CITY:</b> Lexington <b>NAME:</b> The Lexington Elem Sch <b>ZIP5:</b> 40504
<b>AD1:</b> 350 N Limestone <b>CITY:</b> Lexington <b>NAME:</b> Traditional Magnet Middle School <b>ZIP5:</b> 40508	<b>AD1:</b> 3900 Rapid Run Dr <b>CITY:</b> Lexington <b>NAME:</b> Trinity Christian Academy <b>ZIP5:</b> 40515
<b>AD1:</b> 1313 N Limestone <b>CITY:</b> Lexington <b>NAME:</b> United Pentecostal Academy <b>ZIP5:</b> 40505	<b>AD1:</b> 4351 Clearwater Way <b>CITY:</b> Lexington <b>NAME:</b> Veterans Park Elem School <b>ZIP5:</b> 40515
<b>AD1:</b> 1901 Frankfort Rd <b>CITY:</b> Georgetown <b>NAME:</b> Western Elem School <b>ZIP5:</b> 40324	<b>AD1:</b> 1060 Winburn Dr <b>CITY:</b> Lexington <b>NAME:</b> Winburn Middle School <b>ZIP5:</b> 40511
<b>AD1:</b> 2185 Garden Springs Dr <b>CITY:</b> Lexington <b>NAME:</b> Woodbridge Academy <b>ZIP5:</b> 40504	<b>AD1:</b> 703 E New Circle Rd <b>CITY:</b> Lexington <b>NAME:</b> Yates Elem School <b>ZIP5:</b> 40505

## Substation

Feature(s) Selected: [Back to Top](#)

NAME: Adams MAXVOLTAGE: 138	NAME: Haefling MAXVOLTAGE: 138
NAME: Lexington MAXVOLTAGE: 345	NAME: Loudon MAXVOLTAGE: 138
NAME: Tap MAXVOLTAGE: 69	NAME: Tap MAXVOLTAGE: 138
NAME: Tap MAXVOLTAGE: 138	NAME: Tap MAXVOLTAGE: 138
NAME: Tap MAXVOLTAGE: 138	NAME: Unknown MAXVOLTAGE: 69

## WaterPoly

Feature(s) Selected: [Back to Top](#)

POLYGON_NM: Lexington Reservoir No 4
POLYGON_NM: North Elkhorn Creek
POLYGON_NM: Oxbow Slough

## Railway

Feature(s) Selected: [Back to Top](#)

RROWNER1: CSX Transportation
RROWNER1: Norfolk-Southern Railroad
RROWNER1: RJ Corman Railroad

## dtl\_cnty

Feature(s) Selected: [Back to Top](#)

NAME: Bourbon POP2000: 19360	NAME: Clark POP2000: 33144
NAME: Fayette POP2000: 260512	NAME: Jessamine POP2000: 39041
NAME: Scott POP2000: 33061	NAME: Woodford POP2000: 23208



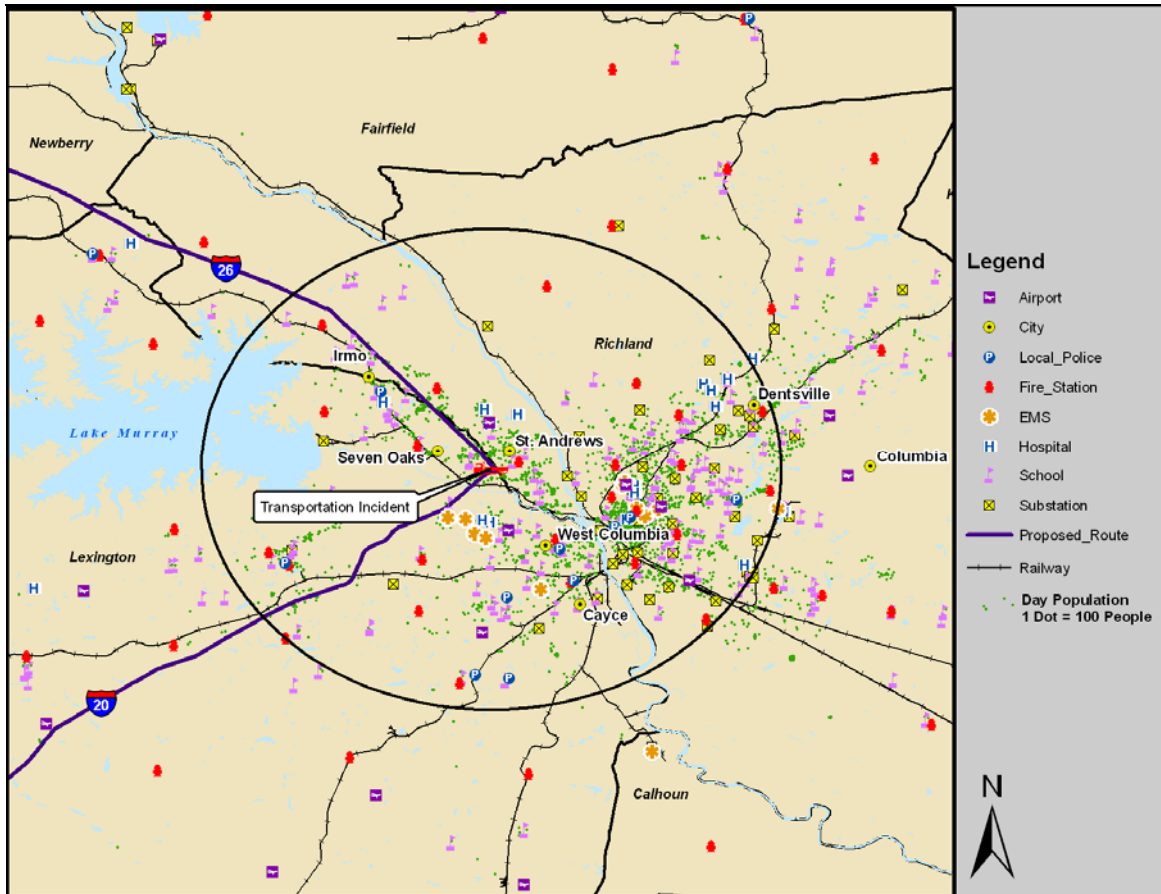
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**GIS Spatial Query Report:  
“Staged” Incident 2, near I-26/I-20 Junction, SC  
10 mi Buffer Zone**

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4/22/2008 5:00 PM

***Packagings RFID Tracking System - DEMO***

Geographical Information System (GIS) is widely used in management of emergencies. This is an example GIS Spatial Query Report for “staged” Incident 2, near I-26/I-20 Junction, SC showing all key facility locations within a 10-mile buffer zone. This report is generated by the staff of the Decision and Information Sciences Division of Argonne National Laboratory, using a system developed for the Department of Homeland Security.



## Total Features within 10 mile Buffer

### Summary Counts

<a href="#">Airport</a>	6
<a href="#">City</a>	6
<a href="#">Local_Police</a>	10
<a href="#">Fire_Station</a>	25
<a href="#">EMS</a>	10
<a href="#">Hospital</a>	17
<a href="#">School</a>	112
<a href="#">Substation</a>	42
<a href="#">WaterPoly</a>	4
<a href="#">Railway</a>	3
<a href="#">County</a>	2
<a href="#">State</a>	1

**Total Day Population**

**384,776**

### Airport

**Feature(s) Selected:**      [Back to Top](#)

FAC_USE: Pr FULLNAME: Lexington Medical Center OWNER_TYPE: Pu STATE_NAME: South Carolina	FAC_USE: Pr FULLNAME: Providence Hospital OWNER_TYPE: Pr STATE_NAME: South Carolina
FAC_USE: Pr FULLNAME: Richland Memorial Hospital OWNER_TYPE: Pu STATE_NAME: South Carolina	FAC_USE: Pr FULLNAME: Sled OWNER_TYPE: Pr STATE_NAME: South Carolina
FAC_USE: Pu FULLNAME: Columbia Owens Downtown OWNER_TYPE: Pu STATE_NAME: South Carolina	FAC_USE: Pu FULLNAME: Columbia Metropolitan OWNER_TYPE: Pu STATE_NAME: South Carolina

### City

**Feature(s) Selected:**      [Back to Top](#)

CITY_NAME: West Columbia POP1990: 10588 STATE_NAME: South Carolina	CITY_NAME: Cayce POP1990: 11163 STATE_NAME: South Carolina
CITY_NAME: Irmo POP1990: 11280	CITY_NAME: Dentsville POP1990: 11839

<b>STATE_NAME:</b> South Carolina	<b>STATE_NAME:</b> South Carolina
<b>CITY_NAME:</b> Seven Oaks <b>POP1990:</b> 15722	<b>CITY_NAME:</b> St. Andrews <b>POP1990:</b> 25692
<b>STATE_NAME:</b> South Carolina	<b>STATE_NAME:</b> South Carolina

## Local\_Police

**Feature(s) Selected:** [Back to Top](#)

<p><b>ADDRESS:</b> 1800 12Th St  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>CITY:</b> Cayce  <b>COUNTY:</b> Lexington  <b>HEADQUARTE:</b> Y  <b>JURISDICTI:</b> Headquarters  <b>NAICSDESCR:</b> Police Departments (Except American Indian Or Alaska Native)  <b>NAME:</b> Cayce Police Dept Headquarters  <b>PHONE:</b> 794-0456  <b>STATE:</b> SC  <b>TYPE:</b> Local  <b>ZIP:</b> 29033</p>	<p><b>ADDRESS:</b> 1 Justice Square  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>CITY:</b> Columbia  <b>COUNTY:</b> Richland  <b>HEADQUARTE:</b> Y  <b>JURISDICTI:</b> Headquarters  <b>NAICSDESCR:</b> Police Departments (Except American Indian Or Alaska Native)  <b>NAME:</b> Columbia Police Dept Headquarters  <b>PHONE:</b> 545-3500  <b>STATE:</b> SC  <b>TYPE:</b> Local  <b>ZIP:</b> 29201</p>
<p><b>ADDRESS:</b> 1600 Bull St  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>CITY:</b> Columbia  <b>COUNTY:</b> Richland  <b>HEADQUARTE:</b> N  <b>JURISDICTI:</b> Traffic Unit  <b>NAICSDESCR:</b> Police Departments (Except American Indian Or Alaska Native)  <b>NAME:</b> Columbia Police Dept Traffic Unit  <b>PHONE:</b> 545-3975  <b>STATE:</b> SC  <b>TYPE:</b> Local  <b>ZIP:</b> 29201</p>	<p><b>ADDRESS:</b> 5205 N Trenholm Rd  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>CITY:</b> Columbia  <b>COUNTY:</b> Richland  <b>HEADQUARTE:</b> Y  <b>JURISDICTI:</b> Headquarters  <b>NAICSDESCR:</b> Police Departments (Except American Indian Or Alaska Native)  <b>NAME:</b> Forest Acres Police Dept. Headquarters  <b>PHONE:</b> 782-9444  <b>STATE:</b> SC  <b>TYPE:</b> Local  <b>ZIP:</b> 29206</p>
<p><b>ADDRESS:</b> 1239 Columbia Ave  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>CITY:</b> Irmo  <b>COUNTY:</b> Lexington  <b>HEADQUARTE:</b> Y  <b>JURISDICTI:</b> Headquarters  <b>NAICSDESCR:</b> Police Departments (Except American Indian Or Alaska Native)  <b>NAME:</b> Irmo Police Dept Headquarters  <b>PHONE:</b> 781-8088  <b>STATE:</b> SC  <b>TYPE:</b> Local  <b>ZIP:</b> 29063</p>	<p><b>ADDRESS:</b> 111 Maiden Ln  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>CITY:</b> Lexington  <b>COUNTY:</b> Lexington  <b>HEADQUARTE:</b> Y  <b>JURISDICTI:</b> Headquarters  <b>NAICSDESCR:</b> Police Departments (Except American Indian Or Alaska Native)  <b>NAME:</b> Lexington Police Dept Headquarters  <b>PHONE:</b> 359-6260  <b>STATE:</b> SC  <b>TYPE:</b> Local  <b>ZIP:</b> 29072</p>
<p><b>ADDRESS:</b> 1200 Fish Hatchery Rd</p>	<p><b>ADDRESS:</b> 119 W Berry Rd</p>

<b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> West Columbia <b>COUNTY:</b> Lexington <b>HEADQUARTE:</b> Y <b>JURISDICTI:</b> Headquarters <b>NAICSDESCR:</b> Police Departments (Except American Indian Or Alaska Native) <b>NAME:</b> Pine Ridge Police Dept Headquarters <b>PHONE:</b> 755-2500 <b>STATE:</b> SC <b>TYPE:</b> Local <b>ZIP:</b> 29172	<b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> West Columbia <b>COUNTY:</b> Lexington <b>HEADQUARTE:</b> Y <b>JURISDICTI:</b> Headquarters <b>NAICSDESCR:</b> Police Departments (Except American Indian Or Alaska Native) <b>NAME:</b> South Congaree Police Dept Headquarters <b>PHONE:</b> 755-2760 <b>STATE:</b> SC <b>TYPE:</b> Local <b>ZIP:</b> 29172
<b>ADDRESS:</b> 2915 Platt Springs Rd <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> West Columbia <b>COUNTY:</b> Lexington <b>HEADQUARTE:</b> Y <b>JURISDICTI:</b> Headquarters <b>NAICSDESCR:</b> Police Departments (Except American Indian Or Alaska Native) <b>NAME:</b> Springdale Police Dept Headquarters <b>PHONE:</b> 796-3160 <b>STATE:</b> SC <b>TYPE:</b> Local <b>ZIP:</b> 29170	<b>ADDRESS:</b> 200 12Th St <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> West Columbia <b>COUNTY:</b> Lexington <b>HEADQUARTE:</b> Y <b>JURISDICTI:</b> Headquarters <b>NAICSDESCR:</b> Police Departments (Except American Indian Or Alaska Native) <b>NAME:</b> West Columbia Police Dept Headquarters <b>PHONE:</b> 794-0721 <b>STATE:</b> SC <b>TYPE:</b> Local <b>ZIP:</b> 29169

## Fire\_Station

**Feature(s) Selected:** [Back to Top](#)

<b>ADDRESS:</b> 112 Park Rd <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Lexington <b>COUNTY:</b> Lexington <b>NAME:</b> Lexington Fire Station <b>PHONE:</b> 359-8150 <b>STATE:</b> SC <b>ZIP:</b> 29072	<b>ADDRESS:</b> 1385 S Lake Dr <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Lexington <b>COUNTY:</b> Lexington <b>NAME:</b> Red Bank Fire St #24 <b>PHONE:</b> 758-8141 <b>STATE:</b> SC <b>ZIP:</b> 29073
<b>ADDRESS:</b> 117 Lincreek Drive <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Lexington <b>NAME:</b> Irmo Fire Station 2 <b>PHONE:</b> 781-7178 <b>STATE:</b> SC <b>ZIP:</b> 29212	<b>ADDRESS:</b> 6810 N Main St <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fd Station 12 Greenview <b>PHONE:</b> 714-1875 <b>STATE:</b> SC <b>ZIP:</b> 29203
<b>ADDRESS:</b> 2 Lavern Jumper Rd <b>ADDRESS2:</b>	<b>ADDRESS:</b> 5645 Old Forest Drive <b>ADDRESS2:</b>

<b>AREA:</b> 803 <b>CITY:</b> Cayce <b>COUNTY:</b> Lexington <b>NAME:</b> Cayce Fire Station <b>PHONE:</b> 794-0456 <b>STATE:</b> SC <b>ZIP:</b> 29033	<b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fire Department Station 33 Gills Creek <b>PHONE:</b> 782-1505 <b>STATE:</b> SC <b>ZIP:</b> 29206
<b>ADDRESS:</b> 6017 Saint Andrews Road <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Lexington <b>NAME:</b> Irmo Fire Station Headquarters <b>PHONE:</b> 798-4979 <b>STATE:</b> SC <b>ZIP:</b> 29212	<b>ADDRESS:</b> 212 South Lake Drive <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Lexington <b>COUNTY:</b> Lexington <b>NAME:</b> Lexington County Fire Department <b>PHONE:</b> 785-8141 <b>STATE:</b> SC <b>ZIP:</b> 29072
<b>ADDRESS:</b> 447 Oak Dr <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Lexington <b>COUNTY:</b> Lexington <b>NAME:</b> Oak Grove Fire St #9 <b>PHONE:</b> 785-8141 <b>STATE:</b> SC <b>ZIP:</b> 29073	<b>ADDRESS:</b> 665 Old Barnwell Rd <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> West Columbia <b>COUNTY:</b> Lexington <b>NAME:</b> Pine Grove Fire St #19. <b>PHONE:</b> 785-8141 <b>STATE:</b> SC <b>ZIP:</b> 29170
<b>ADDRESS:</b> 300 Oak Street <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> West Columbia <b>COUNTY:</b> Lexington <b>NAME:</b> South Congaree Fire Department Station 5 <b>PHONE:</b> 785-8141 <b>STATE:</b> SC <b>ZIP:</b> 29172	<b>ADDRESS:</b> 610 North 12Th Street <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> West Columbia <b>COUNTY:</b> Lexington <b>NAME:</b> West Columbia Fire Department <b>PHONE:</b> 791-4440 <b>STATE:</b> SC <b>ZIP:</b> 29169
<b>ADDRESS:</b> 7214 Firelane Rd <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fd Station 14 Dentsville <b>PHONE:</b> 788-3077 <b>STATE:</b> SC <b>ZIP:</b> 29223	<b>ADDRESS:</b> 300 Camp Ground Rd <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fd Station 17 Upper Richland <b>PHONE:</b> 786-7360 <b>STATE:</b> SC <b>ZIP:</b> 29203
<b>ADDRESS:</b> 10727 Broad River Rd <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Irmo <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fd Station 20 Ballentine <b>PHONE:</b> 732-7864 <b>STATE:</b> SC	<b>ADDRESS:</b> 1800 Laurel Street <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fire Department Station # 1 Head Quarters - Batallion # 1 <b>PHONE:</b> 733-8346

<b>ZIP:</b> 29063	<b>STATE:</b> SC <b>ZIP:</b> 29201
<b>ADDRESS:</b> 30 Blume Court <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fire Department Station # 11- Belvedere <b>PHONE:</b> 786-0484 <b>STATE:</b> SC <b>ZIP:</b> 29204	<b>ADDRESS:</b> 4112 N Main St <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fd Station 13 Eau Claire <b>PHONE:</b> 733-8357 <b>STATE:</b> SC <b>ZIP:</b> 29203
<b>ADDRESS:</b> 131 Lake Murray Blvd <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fd Station 16 Harbison <b>PHONE:</b> 749-5820 <b>STATE:</b> SC <b>ZIP:</b> 29212	<b>ADDRESS:</b> 7401 Fairfield Rd <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fd Station 18 Crane Creek <b>PHONE:</b> 735-9978 <b>STATE:</b> SC <b>ZIP:</b> 29203
<b>ADDRESS:</b> 1510 Ferguson Street <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fire Department Station # 2 - Olympia <b>PHONE:</b> 988-8021 <b>STATE:</b> SC <b>ZIP:</b> 29201	<b>ADDRESS:</b> 2740 The Blvd <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fd Station 3 Industrial Park <b>PHONE:</b> 776-8258 <b>STATE:</b> SC <b>ZIP:</b> 29209
<b>ADDRESS:</b> 1225 Briargate Cir <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fd Station 6 St.Andrews Bat 2 <b>PHONE:</b> 772-0736 <b>STATE:</b> SC <b>ZIP:</b> 29210	<b>ADDRESS:</b> 2622 Main Street <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fire Department Station # 7 - North Columbia <b>PHONE:</b> 733-8361 <b>STATE:</b> SC <b>ZIP:</b> 29201
<b>ADDRESS:</b> 2847 Devine St <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Columbia Fd Station 9 Shandon <b>PHONE:</b> 733-8363 <b>STATE:</b> SC <b>ZIP:</b> 29205	

## EMS

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<b>ADDRESS:</b> 34 C Trotter Road <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> West Columbia <b>COUNTY:</b> Lexington <b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> American Medical Response Ambulance <b>PHONE:</b> 739-2515 <b>STATE:</b> SC <b>ZIP:</b> 29169	<b>ADDRESS:</b> 1816 Richland Street <b>ADDRESS2:</b> <b>AREA:</b> 888 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> Capital City Ambulance Service <b>PHONE:</b> 221-9237 <b>STATE:</b> SC <b>ZIP:</b> 29201
<b>ADDRESS:</b> 5 Medical Park Rd <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAICSDESCR:</b> Air Ambulance Services <b>NAME:</b> Careforce Air Ambulance <b>PHONE:</b> 434-7222 <b>STATE:</b> SC <b>ZIP:</b> 29203	<b>ADDRESS:</b> 3 Medical Park Rd Ste 400 <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> Childrens Hosp Amb <b>PHONE:</b> 434-4676 <b>STATE:</b> SC <b>ZIP:</b> 29203
<b>ADDRESS:</b> 3038 Leaphart Road <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> West Columbia <b>COUNTY:</b> Lexington <b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> Gold Cross Ambulance Service <b>PHONE:</b> 794-8101 <b>STATE:</b> SC <b>ZIP:</b> 29169	<b>ADDRESS:</b> 2435 Forest Dr <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> Life Reach Helicptr Prgm <b>PHONE:</b> 256-5329 <b>STATE:</b> SC <b>ZIP:</b> 29204
<b>ADDRESS:</b> 2926 Leaphart Road <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> West Columbia <b>COUNTY:</b> Lexington <b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> Mobile Care Health Service <b>PHONE:</b> 926-1564 <b>STATE:</b> SC <b>ZIP:</b> 29169	<b>ADDRESS:</b> 1758 Airport Boulevard <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Cayce <b>COUNTY:</b> Lexington <b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> Palmetto Ambulance Service <b>PHONE:</b> 794-6727 <b>STATE:</b> SC <b>ZIP:</b> 29033
<b>ADDRESS:</b> 3800 Sunset Boulevard <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> West Columbia <b>COUNTY:</b> Lexington	<b>ADDRESS:</b> 1410 Laurens Street <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland

<b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> Regional Ambulance Services <b>PHONE:</b> 939-0202 <b>STATE:</b> SC <b>ZIP:</b> 29169	<b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> Richland County Department Of Emergency Services <b>PHONE:</b> 254-3063 <b>STATE:</b> SC <b>ZIP:</b> 29204
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## Hospital

**Feature(s) Selected:** [Back to Top](#)

<b>ADDRESS:</b> 8301 Farrow Road <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>BEDSIZE:</b> 0 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Midlands Center <b>OWNER:</b> <b>PHONE:</b> 935-7508 <b>STATE:</b> SC <b>TYPE:</b> <b>ZIP:</b> 29203	<b>ADDRESS:</b> 610 Faison Drive <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>BEDSIZE:</b> 0 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Earle E. Morris Junior Alcohol And Drug Addiction Treatment Center <b>OWNER:</b> <b>PHONE:</b> 935-7100 <b>STATE:</b> SC <b>TYPE:</b> <b>ZIP:</b> 29203
<b>ADDRESS:</b> 7035 Saint Andrews Road <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>BEDSIZE:</b> 0 <b>CITY:</b> Columbia <b>COUNTY:</b> Lexington <b>NAME:</b> Lexington Medical Center At Irmo <b>OWNER:</b> <b>PHONE:</b> 749-0924 <b>STATE:</b> SC <b>TYPE:</b> <b>ZIP:</b> 29212	<b>ADDRESS:</b> 4650 Broad River Road <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>BEDSIZE:</b> 8 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Willow Lane Infirmary <b>OWNER:</b> <b>PHONE:</b> 896-9460 <b>STATE:</b> SC <b>TYPE:</b> <b>ZIP:</b> 29210
<b>ADDRESS:</b> 4344 Broad River Road <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>BEDSIZE:</b> 24 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Kirkland Infirmary <b>OWNER:</b> <b>PHONE:</b> 896-8567 <b>STATE:</b> SC <b>TYPE:</b> <b>ZIP:</b> 29210	<b>ADDRESS:</b> Taylor St At Marion St <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>BEDSIZE:</b> 35 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Intermedical Hospital Of South Carolina <b>OWNER:</b> <b>PHONE:</b> 296-3757 <b>STATE:</b> SC <b>TYPE:</b> <b>ZIP:</b> 29220
<b>ADDRESS:</b> 2900 Sunset Blvd <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>BEDSIZE:</b> 80 <b>CITY:</b> West Columbia	<b>ADDRESS:</b> 4344 Broad River Rd <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>BEDSIZE:</b> 87 <b>CITY:</b> Columbia

<p><b>COUNTY:</b> Lexington  <b>NAME:</b> Three Rivers Behavioral Health  <b>OWNER:</b>  <b>PHONE:</b> 796-9911  <b>STATE:</b> SC  <b>TYPE:</b>  <b>ZIP:</b> 29169</p>	<p><b>COUNTY:</b> Richland  <b>NAME:</b> Gilliam Psychiatric Hospital  <b>OWNER:</b>  <b>PHONE:</b> 896-8572  <b>STATE:</b> SC  <b>TYPE:</b>  <b>ZIP:</b> 29210</p>
<p><b>ADDRESS:</b> 2935 Colonial Drive  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>BEDSIZE:</b> 89  <b>CITY:</b> Columbia  <b>COUNTY:</b> Richland  <b>NAME:</b> Healthsouth Rehabilitation Hospital  <b>OWNER:</b>  <b>PHONE:</b> 254-7777  <b>STATE:</b> SC  <b>TYPE:</b>  <b>ZIP:</b> 29203</p>	<p><b>ADDRESS:</b> 2435 Forest Dr  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>BEDSIZE:</b> 239  <b>CITY:</b> Columbia  <b>COUNTY:</b> Richland  <b>NAME:</b> Sisters Of Charity Providence Hospitals  <b>OWNER:</b>  <b>PHONE:</b> 256-5300  <b>STATE:</b> SC  <b>TYPE:</b>  <b>ZIP:</b> 29204</p>
<p><b>ADDRESS:</b> 1800 Colonial Dr  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>BEDSIZE:</b> 269  <b>CITY:</b> Columbia  <b>COUNTY:</b> Richland  <b>NAME:</b> Wm S Hall Psychiatric Institute  <b>OWNER:</b>  <b>PHONE:</b> 898-1693  <b>STATE:</b> SC  <b>TYPE:</b>  <b>ZIP:</b> 29203</p>	<p><b>ADDRESS:</b> 6439 Garners Ferry Rd  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>BEDSIZE:</b> 287  <b>CITY:</b> Columbia  <b>COUNTY:</b> Richland  <b>NAME:</b> Wm Jennings Bryan Dorn Va Hosp  <b>OWNER:</b>  <b>PHONE:</b> 776-4000  <b>STATE:</b> SC  <b>TYPE:</b>  <b>ZIP:</b> 29209</p>
<p><b>ADDRESS:</b> 220 Faison Dr  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>BEDSIZE:</b> 288  <b>CITY:</b> Columbia  <b>COUNTY:</b> Richland  <b>NAME:</b> G Werber Bryan Psychiatric Hospital  <b>OWNER:</b>  <b>PHONE:</b> 935-7140  <b>STATE:</b> SC  <b>TYPE:</b>  <b>ZIP:</b> 29203</p>	<p><b>ADDRESS:</b> 2720 Sunset Boulevard  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>BEDSIZE:</b> 292  <b>CITY:</b> West Columbia  <b>COUNTY:</b> Lexington  <b>NAME:</b> Lexington Medical Center  <b>OWNER:</b>  <b>PHONE:</b> 791-2000  <b>STATE:</b> SC  <b>TYPE:</b>  <b>ZIP:</b> 29169</p>
<p><b>ADDRESS:</b> 7901 Farrow Road  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>BEDSIZE:</b> 300  <b>CITY:</b> Columbia  <b>COUNTY:</b> Richland  <b>NAME:</b> Columbia Care Center  <b>OWNER:</b>  <b>PHONE:</b> 935-0505  <b>STATE:</b> SC</p>	<p><b>ADDRESS:</b> 1330 Taylor Street  <b>ADDRESS2:</b>  <b>AREA:</b> 803  <b>BEDSIZE:</b> 500  <b>CITY:</b> Columbia  <b>COUNTY:</b> Richland  <b>NAME:</b> Palmetto Health Baptist Medical Center  <b>OWNER:</b>  <b>PHONE:</b> 296-5010  <b>STATE:</b> SC</p>



<b>TYPE:</b> <b>ZIP:</b> 29203	<b>TYPE:</b> <b>ZIP:</b> 29220
<b>ADDRESS:</b> 5 Richland Medical Park Drive <b>ADDRESS2:</b> <b>AREA:</b> 803 <b>BEDSIZE:</b> 649 <b>CITY:</b> Columbia <b>COUNTY:</b> Richland <b>NAME:</b> Palmetto Health Richland Memorial Hospital <b>OWNER:</b> <b>PHONE:</b> 434-7000 <b>STATE:</b> SC <b>TYPE:</b> <b>ZIP:</b> 29203	

## School

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<b>AD1:</b> 1 Falcon Dr <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> A C Flora High School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 738 <b>PHONE_SUFF:</b> 7300 <b>STATE:</b> SC <b>ZIP5:</b> 29204	<b>AD1:</b> 320 S Waccamaw Ave <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> A C Moore Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 343 <b>PHONE_SUFF:</b> 2910 <b>STATE:</b> SC <b>ZIP5:</b> 29205
<b>AD1:</b> 726 Easter St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> A J Lewis Greenview Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 735 <b>PHONE_SUFF:</b> 3417 <b>STATE:</b> SC <b>ZIP5:</b> 29203	<b>AD1:</b> 1315 Boston Ave <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Airport High School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 822 <b>PHONE_SUFF:</b> 5600 <b>STATE:</b> SC <b>ZIP5:</b> 29170
<b>AD1:</b> 5125 Fairfield Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Alcorn Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 735 <b>PHONE_SUFF:</b> 3439 <b>STATE:</b> SC <b>ZIP5:</b> 29203	<b>AD1:</b> 7900 Brookmont Lane <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Anna Boyd Child Development Center <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 935 <b>PHONE_SUFF:</b> 0123 <b>STATE:</b> SC <b>ZIP5:</b> 29203
<b>AD1:</b> 1300 Ashley St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Arden Elementary School <b>PHONE_AREA:</b> 803	<b>AD1:</b> 114 Hook Ave <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> B C Elementary School No 1 <b>PHONE_AREA:</b> 803

<b>PHONE_PREF:</b> 735 <b>PHONE_SUFF:</b> 3400 <b>STATE:</b> SC <b>ZIP5:</b> 29203	<b>PHONE_PREF:</b> 739 <b>PHONE_SUFF:</b> 4075 <b>STATE:</b> SC <b>ZIP5:</b> 29169
<b>AD1:</b> 1040 Bickley Rd <b>CITY:</b> Irmo <b>COUNTY:</b> 45079 <b>NAME:</b> Ballentine Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 8251 <b>STATE:</b> SC <b>ZIP5:</b> 29063	<b>AD1:</b> 2900 Millwood Ave <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Barnes Lrng Ctr <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 312 <b>PHONE_SUFF:</b> 8878 <b>STATE:</b> SC <b>ZIP5:</b> 29205
<b>AD1:</b> 7401 Monticello Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Ben Lippen Junior Senior High School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 786 <b>PHONE_SUFF:</b> 7200 <b>STATE:</b> SC <b>ZIP5:</b> 29203	<b>AD1:</b> 2723 Ashland Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Ben Lippen Sch-Ashland Rd Elem Campus <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 772 <b>PHONE_SUFF:</b> 1556 <b>STATE:</b> SC <b>ZIP5:</b> 29210
<b>AD1:</b> 6952 Saint Andrews Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Ben Lippen School-Irmo Elem Campus <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 1166 <b>STATE:</b> SC <b>ZIP5:</b> 29212	<b>AD1:</b> 3032 Pine Belt Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Bradley Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 738 <b>PHONE_SUFF:</b> 7200 <b>STATE:</b> SC <b>ZIP5:</b> 29204
<b>AD1:</b> 4438 Devereaux Road <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Brennen Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 738 <b>PHONE_SUFF:</b> 7204 <b>STATE:</b> SC <b>ZIP5:</b> 29205	<b>AD1:</b> 2245 Montclair Drive <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Brockman Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 790 <b>PHONE_SUFF:</b> 6743 <b>STATE:</b> SC <b>ZIP5:</b> 29206
<b>AD1:</b> 1300 State St <b>CITY:</b> Cayce <b>COUNTY:</b> 45063 <b>NAME:</b> Brookland-Cayce High School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 791 <b>PHONE_SUFF:</b> 5000 <b>STATE:</b> SC <b>ZIP5:</b> 29033	<b>AD1:</b> 111 Garden Drive <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Burton Pack Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 691 <b>PHONE_SUFF:</b> 5550 <b>STATE:</b> SC <b>ZIP5:</b> 29204
<b>AD1:</b> 2219 Barhamville Road <b>CITY:</b> Columbia	<b>AD1:</b> 4701 Forest Drive <b>CITY:</b> Columbia

<b>COUNTY:</b> 45079 <b>NAME:</b> C A Johnson Preparatory Academy <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 253 <b>PHONE_SUFF:</b> 7092 <b>STATE:</b> SC <b>ZIP5:</b> 29204	<b>COUNTY:</b> 45079 <b>NAME:</b> Cardinal Newman School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 782 <b>PHONE_SUFF:</b> 2814 <b>STATE:</b> SC <b>ZIP5:</b> 29206
<b>AD1:</b> 2100 Waverly St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Carver Lyon Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 343 <b>PHONE_SUFF:</b> 2900 <b>STATE:</b> SC <b>ZIP5:</b> 29204	<b>AD1:</b> 103 Ann Ln <b>CITY:</b> Cayce <b>COUNTY:</b> 45063 <b>NAME:</b> Claude A Taylor Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 739 <b>PHONE_SUFF:</b> 4180 <b>STATE:</b> SC <b>ZIP5:</b> 29033
<b>AD1:</b> 1110 Meeting St <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Colonial Christian Acad <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 796 <b>PHONE_SUFF:</b> 7025 <b>STATE:</b> SC <b>ZIP5:</b> 29169	<b>AD1:</b> 241 Riverchase Way <b>CITY:</b> Lexington <b>COUNTY:</b> 45063 <b>NAME:</b> Columbia Adventist Academy <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 796 <b>PHONE_SUFF:</b> 0277 <b>STATE:</b> SC <b>ZIP5:</b> 29072
<b>AD1:</b> 1701 Westchester Drive <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Columbia High School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 731 <b>PHONE_SUFF:</b> 8950 <b>STATE:</b> SC <b>ZIP5:</b> 29210	<b>AD1:</b> 5827 N Trenholm Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Columbia Jewish Day School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 782 <b>PHONE_SUFF:</b> 1831 <b>STATE:</b> SC <b>ZIP5:</b> 29206
<b>AD1:</b> 1221 Ramblin Rd <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Congaree Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 755 <b>PHONE_SUFF:</b> 7430 <b>STATE:</b> SC <b>ZIP5:</b> 29172	<b>AD1:</b> 739 Pine Ridge Dr <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Congaree Wood Early Childhood Center <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 755 <b>PHONE_SUFF:</b> 7474 <b>STATE:</b> SC <b>ZIP5:</b> 29172
<b>AD1:</b> 3222 Platt Springs Rd <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Covenant Christian Academy <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 796 <b>PHONE_SUFF:</b> 2860 <b>STATE:</b> SC	<b>AD1:</b> 2801 Stepp Dr <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Covenant Christian School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 787 <b>PHONE_SUFF:</b> 0225 <b>STATE:</b> SC

<b>ZIP5:</b> 29170 <b>AD1:</b> 5000 Clemson Ave <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Crayton Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 738 <b>PHONE_SUFF:</b> 7224 <b>STATE:</b> SC <b>ZIP5:</b> 29206	<b>ZIP5:</b> 29204 <b>AD1:</b> 6949 Saint Andrews Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Crossroads Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 8300 <b>STATE:</b> SC <b>ZIP5:</b> 29212
<b>AD1:</b> 501 Bulldog Blvd <b>CITY:</b> Cayce <b>COUNTY:</b> 45063 <b>NAME:</b> Cyril B Busbee Creative Arts Academy <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 739 <b>PHONE_SUFF:</b> 4070 <b>STATE:</b> SC <b>ZIP5:</b> 29033	<b>AD1:</b> 6950 N Trenholm Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Dent Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 699 <b>PHONE_SUFF:</b> 2750 <b>STATE:</b> SC <b>ZIP5:</b> 29206
<b>AD1:</b> 701 Adger Road <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Dreher High School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 253 <b>PHONE_SUFF:</b> 7000 <b>STATE:</b> SC <b>ZIP5:</b> 29205	<b>AD1:</b> 7900 Broad River Rd <b>CITY:</b> Irmo <b>COUNTY:</b> 45079 <b>NAME:</b> Dutch Fork Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 8075 <b>STATE:</b> SC <b>ZIP5:</b> 29063
<b>AD1:</b> 1400 Old Tamah Rd <b>CITY:</b> Irmo <b>COUNTY:</b> 45079 <b>NAME:</b> Dutch Fork High School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 8050 <b>STATE:</b> SC <b>ZIP5:</b> 29063	<b>AD1:</b> 1528 Old Tamah Rd <b>CITY:</b> Irmo <b>COUNTY:</b> 45079 <b>NAME:</b> Dutch Fork Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 8167 <b>STATE:</b> SC <b>ZIP5:</b> 29063
<b>AD1:</b> 4800 Monticello Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Eau Claire High School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 735 <b>PHONE_SUFF:</b> 7600 <b>STATE:</b> SC <b>ZIP5:</b> 29203	<b>AD1:</b> 200 Mcrae St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Edward Taylor Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 343 <b>PHONE_SUFF:</b> 2924 <b>STATE:</b> SC <b>ZIP5:</b> 29203
<b>AD1:</b> 2500 Blue Ridge Ter <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Forest Heights Elementary School <b>PHONE_AREA:</b> 803	<b>AD1:</b> 6801 Brookfield Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Forest Lake Elementary School <b>PHONE_AREA:</b> 803

<b>PHONE_PREF:</b> 691 <b>PHONE_SUFF:</b> 3780 <b>STATE:</b> SC <b>ZIP5:</b> 29203	<b>PHONE_PREF:</b> 782 <b>PHONE_SUFF:</b> 0470 <b>STATE:</b> SC <b>ZIP5:</b> 29206
<b>AD1:</b> 2325 Platt Springs Rd <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> George I Pair Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 739 <b>PHONE_SUFF:</b> 4085 <b>STATE:</b> SC <b>ZIP5:</b> 29169	<b>AD1:</b> 1041 Harbor Dr <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Glenforest School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 796 <b>PHONE_SUFF:</b> 7622 <b>STATE:</b> SC <b>ZIP5:</b> 29169
<b>AD1:</b> 416 Denham Ave <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Grace Christian School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 794 <b>PHONE_SUFF:</b> 8996 <b>STATE:</b> SC <b>ZIP5:</b> 29169	<b>AD1:</b> 1300 Arrowwood Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> H B Rhame Jr Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 731 <b>PHONE_SUFF:</b> 8900 <b>STATE:</b> SC <b>ZIP5:</b> 29210
<b>AD1:</b> 1500 Chadford Rd <b>CITY:</b> Irmo <b>COUNTY:</b> 45079 <b>NAME:</b> H E Corley Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 8175 <b>STATE:</b> SC <b>ZIP5:</b> 29063	<b>AD1:</b> 854 Galway Lane <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Hammond School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 776 <b>PHONE_SUFF:</b> 0295 <b>STATE:</b> SC <b>ZIP5:</b> 29209
<b>AD1:</b> 2600 Wheat St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Hand Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 343 <b>PHONE_SUFF:</b> 2947 <b>STATE:</b> SC <b>ZIP5:</b> 29205	<b>AD1:</b> 257 Crossbow Dr <b>CITY:</b> Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Harbison West Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 8375 <b>STATE:</b> SC <b>ZIP5:</b> 29212
<b>AD1:</b> 3737 Covenant Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Harmony School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 787 <b>PHONE_SUFF:</b> 1899 <b>STATE:</b> SC <b>ZIP5:</b> 29204	<b>AD1:</b> 3000 S Beltline Blvd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Heathwood Hall Episcopal School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 765 <b>PHONE_SUFF:</b> 2309 <b>STATE:</b> SC <b>ZIP5:</b> 29201
<b>AD1:</b> 737 Pine Ridge Dr <b>CITY:</b> West Columbia	<b>AD1:</b> 3602 Thurmond St <b>CITY:</b> Columbia

<b>COUNTY:</b> 45063 <b>NAME:</b> Herbert A Wood Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 755 <b>PHONE_SUFF:</b> 7420 <b>STATE:</b> SC <b>ZIP5:</b> 29172	<b>COUNTY:</b> 45079 <b>NAME:</b> Heyward Gibbes Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 343 <b>PHONE_SUFF:</b> 2942 <b>STATE:</b> SC <b>ZIP5:</b> 29204
<b>AD1:</b> 2920 Pella Ave <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Holy Trinity Lutheran School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 791 <b>PHONE_SUFF:</b> 9039 <b>STATE:</b> SC <b>ZIP5:</b> 29170	<b>AD1:</b> 4200 Main St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Hyatt Park Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 735 <b>PHONE_SUFF:</b> 3421 <b>STATE:</b> SC <b>ZIP5:</b> 29203
<b>AD1:</b> 7401 Gibbes St <b>CITY:</b> Irmo <b>COUNTY:</b> 45063 <b>NAME:</b> Irmo Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 8275 <b>STATE:</b> SC <b>ZIP5:</b> 29063	<b>AD1:</b> 6671 Saint Andrews Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Irmo High School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 8100 <b>STATE:</b> SC <b>ZIP5:</b> 29212
<b>AD1:</b> 6051 Wescott Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Irmo Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 8200 <b>STATE:</b> SC <b>ZIP5:</b> 29212	<b>AD1:</b> 6001 Weston Ave <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> John P Thomas Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 735 <b>PHONE_SUFF:</b> 3430 <b>STATE:</b> SC <b>ZIP5:</b> 29203
<b>AD1:</b> 7500 Springcrest Dr <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Joseph Keels Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 736 <b>PHONE_SUFF:</b> 8754 <b>STATE:</b> SC <b>ZIP5:</b> 29223	<b>AD1:</b> 1218 Batchelor St <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Lakeview Alternative School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 739 <b>PHONE_SUFF:</b> 4198 <b>STATE:</b> SC <b>ZIP5:</b> 29169
<b>AD1:</b> 1218 Batchelor St <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Lakeview Education Center <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 739 <b>PHONE_SUFF:</b> 4198 <b>STATE:</b> SC	<b>AD1:</b> 120 Piney Grove Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Leaphart Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 798 <b>PHONE_SUFF:</b> 0030 <b>STATE:</b> SC

<b>ZIP5:</b> 29169 <b>AD1:</b> 116 Azalea Dr <b>CITY:</b> Lexington <b>COUNTY:</b> 45063 <b>NAME:</b> Lexington Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 359 <b>PHONE_SUFF:</b> 4123 <b>STATE:</b> SC <b>ZIP5:</b> 29072	<b>ZIP5:</b> 29210 <b>AD1:</b> 420 Hendrix St <b>CITY:</b> Lexington <b>COUNTY:</b> 45063 <b>NAME:</b> Lexington Intermediate School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 359 <b>PHONE_SUFF:</b> 5128 <b>STATE:</b> SC <b>ZIP5:</b> 29072
<b>AD1:</b> 702 N Lake Dr <b>CITY:</b> Lexington <b>COUNTY:</b> 45063 <b>NAME:</b> Lexington Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 359 <b>PHONE_SUFF:</b> 6169 <b>STATE:</b> SC <b>ZIP5:</b> 29072	<b>AD1:</b> 815 Elmwood Ave <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Logan Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 343 <b>PHONE_SUFF:</b> 2915 <b>STATE:</b> SC <b>ZIP5:</b> 29201
<b>AD1:</b> 525 Galway Ln <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Meadowfield Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 783 <b>PHONE_SUFF:</b> 5549 <b>STATE:</b> SC <b>ZIP5:</b> 29209	<b>AD1:</b> 8301 Farrow Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Midlands Regional Center School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 935 <b>PHONE_SUFF:</b> 6880 <b>STATE:</b> SC <b>ZIP5:</b> 29203
<b>AD1:</b> 180 Midway Rd <b>CITY:</b> Lexington <b>COUNTY:</b> 45063 <b>NAME:</b> Midway Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 951 <b>PHONE_SUFF:</b> 8770 <b>STATE:</b> SC <b>ZIP5:</b> 29072	<b>AD1:</b> 2807 Ocoola St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Montessori School Of Columbia <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 256 <b>PHONE_SUFF:</b> 2823 <b>STATE:</b> SC <b>ZIP5:</b> 29205
<b>AD1:</b> 157 Cougar Dr <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Northside Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 739 <b>PHONE_SUFF:</b> 4190 <b>STATE:</b> SC <b>ZIP5:</b> 29169	<b>AD1:</b> 6706 Nursery Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Nursery Road Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 8475 <b>STATE:</b> SC <b>ZIP5:</b> 29212
<b>AD1:</b> 479 Oak Dr <b>CITY:</b> Lexington <b>COUNTY:</b> 45063 <b>NAME:</b> Oak Grove Elementary School <b>PHONE_AREA:</b> 803	<b>AD1:</b> 1 River Bottom Rd <b>CITY:</b> Irmo <b>COUNTY:</b> 45079 <b>NAME:</b> Oak Pointe Elementary School <b>PHONE_AREA:</b> 803

<b>PHONE_PREF:</b> 356 <b>PHONE_SUFF:</b> 0220 <b>STATE:</b> SC <b>ZIP5:</b> 29073	<b>PHONE_PREF:</b> 749 <b>PHONE_SUFF:</b> 7700 <b>STATE:</b> SC <b>ZIP5:</b> 29063
<b>AD1:</b> 621 Bluff Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Olympia Learning Center <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 400 <b>PHONE_SUFF:</b> 1650 <b>STATE:</b> SC <b>ZIP5:</b> 29201	<b>AD1:</b> 5935 Token St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Pendergrass Fairwold School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 735 <b>PHONE_SUFF:</b> 3435 <b>STATE:</b> SC <b>ZIP5:</b> 29203
<b>AD1:</b> 111 Huffstetler Dr <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Pine Grove Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 214 <b>PHONE_SUFF:</b> 2380 <b>STATE:</b> SC <b>ZIP5:</b> 29210	<b>AD1:</b> 735 Pine Ridge Dr <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Pine Ridge Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 755 <b>PHONE_SUFF:</b> 7400 <b>STATE:</b> SC <b>ZIP5:</b> 29172
<b>AD1:</b> 3035 Leaphart Rd <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Pineview Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 739 <b>PHONE_SUFF:</b> 4090 <b>STATE:</b> SC <b>ZIP5:</b> 29169	<b>AD1:</b> 2305 Frink St <b>CITY:</b> Cayce <b>COUNTY:</b> 45063 <b>NAME:</b> R Earle Davis Elem School For Technology <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 739 <b>PHONE_SUFF:</b> 4080 <b>STATE:</b> SC <b>ZIP5:</b> 29033
<b>AD1:</b> 1614 Walterboro St <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> R H Fulmer Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 822 <b>PHONE_SUFF:</b> 5660 <b>STATE:</b> SC <b>ZIP5:</b> 29170	<b>AD1:</b> 246 Community Dr <b>CITY:</b> Lexington <b>COUNTY:</b> 45063 <b>NAME:</b> Red Bank Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 359 <b>PHONE_SUFF:</b> 6101 <b>STATE:</b> SC <b>ZIP5:</b> 29073
<b>AD1:</b> 115 Connie Wright Rd <b>CITY:</b> Irmo <b>COUNTY:</b> 45079 <b>NAME:</b> River Springs Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 732 <b>PHONE_SUFF:</b> 8147 <b>STATE:</b> SC <b>ZIP5:</b> 29063	<b>AD1:</b> 3300 Rosewood Dr <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Rosewood Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 343 <b>PHONE_SUFF:</b> 2930 <b>STATE:</b> SC <b>ZIP5:</b> 29205
<b>AD1:</b> 1231 Bluefield Dr <b>CITY:</b> Columbia	<b>AD1:</b> 3700 Devine St <b>CITY:</b> Columbia



<b>COUNTY:</b> 45079 <b>NAME:</b> Saint Andrews Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 731 <b>PHONE_SUFF:</b> 8910 <b>STATE:</b> SC <b>ZIP5:</b> 29210	<b>COUNTY:</b> 45079 <b>NAME:</b> Saint Joseph Grade School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 254 <b>PHONE_SUFF:</b> 6736 <b>STATE:</b> SC <b>ZIP5:</b> 29205
<b>AD1:</b> 1520 Duke St <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Saluda River Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 739 <b>PHONE_SUFF:</b> 4095 <b>STATE:</b> SC <b>ZIP5:</b> 29169	<b>AD1:</b> 3560 Lynhaven Dr <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Samuel A Heyward Career Technical Center <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 735 <b>PHONE_SUFF:</b> 3343 <b>STATE:</b> SC <b>ZIP5:</b> 29204
<b>AD1:</b> 5901 Satchelford Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Satchel Ford Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 738 <b>PHONE_SUFF:</b> 7209 <b>STATE:</b> SC <b>ZIP5:</b> 29206	<b>AD1:</b> 2800 Ashland Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Seven Oaks Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 798 <b>PHONE_SUFF:</b> 6500 <b>STATE:</b> SC <b>ZIP5:</b> 29210
<b>AD1:</b> 607 Woodrow St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Shandon Presbyterian Child Develop Ctr <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 799 <b>PHONE_SUFF:</b> 8533 <b>STATE:</b> SC <b>ZIP5:</b> 29205	<b>AD1:</b> 171 Starlight Dr <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Sloans School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 772 <b>PHONE_SUFF:</b> 1677 <b>STATE:</b> SC <b>ZIP5:</b> 29210
<b>AD1:</b> 1400 S Kilbourne Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> South Kilbourne Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 738 <b>PHONE_SUFF:</b> 7215 <b>STATE:</b> SC <b>ZIP5:</b> 29205	<b>AD1:</b> 361 Wattling Rd <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Springdale Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 739 <b>PHONE_SUFF:</b> 4175 <b>STATE:</b> SC <b>ZIP5:</b> 29170
<b>AD1:</b> 1500 Oak St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> St Martin Deporres Catholic School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 254 <b>PHONE_SUFF:</b> 5477 <b>STATE:</b> SC	<b>AD1:</b> 1035 Hampton St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> St Peters School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 252 <b>PHONE_SUFF:</b> 8285 <b>STATE:</b> SC

<b>ZIP5:</b> 29204 <b>AD1:</b> 2219 Atascadero Dr <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Timmerman School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 782 <b>PHONE_SUFF:</b> 2748 <b>STATE:</b> SC <b>ZIP5:</b> 29206	<b>ZIP5:</b> 29201 <b>AD1:</b> 612 Gabriel St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> V V Reid Elem School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 735 <b>PHONE_SUFF:</b> 9570 <b>STATE:</b> SC <b>ZIP5:</b> 29203
<b>AD1:</b> 6005 David St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> V V Reid Kindergarten <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 754 <b>PHONE_SUFF:</b> 3313 <b>STATE:</b> SC <b>ZIP5:</b> 29203	<b>AD1:</b> 10245 Broad River Rd <b>CITY:</b> Irmo <b>COUNTY:</b> 45079 <b>NAME:</b> Victory Bible Christian School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 781 <b>PHONE_SUFF:</b> 6970 <b>STATE:</b> SC <b>ZIP5:</b> 29063
<b>AD1:</b> 2600 Barhamville Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> W A Perry Middle School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 256 <b>PHONE_SUFF:</b> 6347 <b>STATE:</b> SC <b>ZIP5:</b> 29204	<b>AD1:</b> 3455 Pine Belt Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> W J Keenan High School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 738 <b>PHONE_SUFF:</b> 7232 <b>STATE:</b> SC <b>ZIP5:</b> 29204
<b>AD1:</b> 2700 Seminole Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> W S Sandel Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 731 <b>PHONE_SUFF:</b> 8906 <b>STATE:</b> SC <b>ZIP5:</b> 29210	<b>AD1:</b> 2525 Barhamville Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Watkins-Nance Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 733 <b>PHONE_SUFF:</b> 4321 <b>STATE:</b> SC <b>ZIP5:</b> 29204
<b>AD1:</b> 1715 Broad River Rd <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> Westminster Child Dev Ctr <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 798 <b>PHONE_SUFF:</b> 4590 <b>STATE:</b> SC <b>ZIP5:</b> 29210	<b>AD1:</b> 132 White Knoll Way <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> White Knoll Elementary School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 957 <b>PHONE_SUFF:</b> 7700 <b>STATE:</b> SC <b>ZIP5:</b> 29170
<b>AD1:</b> 116 White Knoll Way <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> White Knoll Middle School <b>PHONE_AREA:</b> 803	<b>AD1:</b> 136 Alida St <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> William G Sanders Middle School <b>PHONE_AREA:</b> 803

<b>PHONE_PREF:</b> 957 <b>PHONE_SUFF:</b> 4400 <b>STATE:</b> SC <b>ZIP5:</b> 29170	<b>PHONE_PREF:</b> 735 <b>PHONE_SUFF:</b> 3445 <b>STATE:</b> SC <b>ZIP5:</b> 29203
<b>AD1:</b> 1800 Colonial Dr <b>CITY:</b> Columbia <b>COUNTY:</b> 45079 <b>NAME:</b> William S Hall School <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 898 <b>PHONE_SUFF:</b> 1488 <b>STATE:</b> SC <b>ZIP5:</b> 29203	<b>AD1:</b> 3300 W Campus Rd <b>CITY:</b> West Columbia <b>COUNTY:</b> 45063 <b>NAME:</b> Youth Challenge Academy <b>PHONE_AREA:</b> 803 <b>PHONE_PREF:</b> 896 <b>PHONE_SUFF:</b> 6480 <b>STATE:</b> SC <b>ZIP5:</b> 29170

## Substation

**Feature(s) Selected:**

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<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Columbia, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 0 <b>MIN_VOLT:</b> 0 <b>NAME:</b> Coit Gt <b>NUM_LINES:</b> 0 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Saint Andrews, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 0 <b>MIN_VOLT:</b> 0 <b>NAME:</b> Columbia (SC) <b>NUM_LINES:</b> 0 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Irmo, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 0 <b>MIN_VOLT:</b> 0 <b>NAME:</b> Richland County Landfill <b>NUM_LINES:</b> 0 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Columbia, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 115 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Pendleton St <b>NUM_LINES:</b> 2 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Columbia, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 115 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Calhoun St <b>NUM_LINES:</b> 2 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Columbia, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 115 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Colonial Heights <b>NUM_LINES:</b> 2 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Valencia Heights, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 115 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Columbia Newspaper	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Arcadia Lakes, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 115 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Columbia Products

<b>NUM_LINES: 2</b> <b>STATE: SC</b>	<b>NUM_LINES: 1</b> <b>STATE: SC</b>
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY: Valencia Heights, SC</b> <b>COUNTRY: United States</b> <b>MAX_VOLT: 115</b> <b>MIN_VOLT: 115</b> <b>NAME: Dorn Va Hosp</b> <b>NUM_LINES: 2</b> <b>STATE: SC</b>	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY: Valencia Heights, SC</b> <b>COUNTRY: United States</b> <b>MAX_VOLT: 115</b> <b>MIN_VOLT: 115</b> <b>NAME: Howard St</b> <b>NUM_LINES: 2</b> <b>STATE: SC</b>
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY: Forest Acres, SC</b> <b>COUNTRY: United States</b> <b>MAX_VOLT: 115</b> <b>MIN_VOLT: 115</b> <b>NAME: Kilbourne Park</b> <b>NUM_LINES: 2</b> <b>STATE: SC</b>	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY: Columbia, SC</b> <b>COUNTRY: United States</b> <b>MAX_VOLT: 115</b> <b>MIN_VOLT: 115</b> <b>NAME: Network</b> <b>NUM_LINES: 2</b> <b>STATE: SC</b>
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY: Forest Acres, SC</b> <b>COUNTRY: United States</b> <b>MAX_VOLT: 115</b> <b>MIN_VOLT: 115</b> <b>NAME: Richland Mall</b> <b>NUM_LINES: 2</b> <b>STATE: SC</b>	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY: Columbia, SC</b> <b>COUNTRY: United States</b> <b>MAX_VOLT: 115</b> <b>MIN_VOLT: 115</b> <b>NAME: Richland Mem Hosp</b> <b>NUM_LINES: 1</b> <b>STATE: SC</b>
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY: Valencia Heights, SC</b> <b>COUNTRY: United States</b> <b>MAX_VOLT: 115</b> <b>MIN_VOLT: 115</b> <b>NAME: Tap</b> <b>NUM_LINES: 2</b> <b>STATE: SC</b>	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY: Columbia, SC</b> <b>COUNTRY: United States</b> <b>MAX_VOLT: 115</b> <b>MIN_VOLT: 115</b> <b>NAME: Uptown</b> <b>NUM_LINES: 2</b> <b>STATE: SC</b>
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY: Columbia, SC</b> <b>COUNTRY: United States</b> <b>MAX_VOLT: 115</b> <b>MIN_VOLT: 115</b> <b>NAME: Tap</b> <b>NUM_LINES: 2</b> <b>STATE: SC</b>	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY: Cayce, SC</b> <b>COUNTRY: United States</b> <b>MAX_VOLT: 115</b> <b>MIN_VOLT: 115</b> <b>NAME: Unknown</b> <b>NUM_LINES: 2</b> <b>STATE: SC</b>
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY: Valencia Heights, SC</b> <b>COUNTRY: United States</b> <b>MAX_VOLT: 115</b> <b>MIN_VOLT: 115</b>	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY: Valencia Heights, SC</b> <b>COUNTRY: United States</b> <b>MAX_VOLT: 115</b> <b>MIN_VOLT: 115</b>

<b>NAME:</b> Tap <b>NUM_LINES:</b> 2 <b>STATE:</b> SC	<b>NAME:</b> Unknown <b>NUM_LINES:</b> 2 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Columbia, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 115 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Unknown <b>NUM_LINES:</b> 2 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Ravenwood, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 161 <b>NAME:</b> Circle Drive <b>NUM_LINES:</b> 2 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Springdale, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 161 <b>NAME:</b> Unknown <b>NUM_LINES:</b> 2 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Valencia Heights, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Unknown <b>NUM_LINES:</b> 5 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Dentsville, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 161 <b>NAME:</b> Dentsville <b>NUM_LINES:</b> 2 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Dentsville, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 161 <b>NAME:</b> Rader <b>NUM_LINES:</b> 5 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Columbia, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 161 <b>NAME:</b> Unknown <b>NUM_LINES:</b> 1 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Springdale, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Silver Lake <b>NUM_LINES:</b> 6 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Lexington, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Lexington <b>NUM_LINES:</b> 5 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Columbia, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Lyles <b>NUM_LINES:</b> 11 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Columbia, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Arcadia Lakes, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161

<b>MIN_VOLT:</b> 161 <b>NAME:</b> Mburg Mall <b>NUM_LINES:</b> 2 <b>STATE:</b> SC	<b>MIN_VOLT:</b> 161 <b>NAME:</b> Belmont <b>NUM_LINES:</b> 3 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Forest Acres, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Victory Gardens <b>NUM_LINES:</b> 4 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Boyden Arbor, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Tap <b>NUM_LINES:</b> 2 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Dentsville, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Tap <b>NUM_LINES:</b> 2 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Columbia, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 161 <b>NAME:</b> S Main <b>NUM_LINES:</b> 2 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Columbia, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 161 <b>NAME:</b> Five Points <b>NUM_LINES:</b> 2 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Cayce, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 230 <b>MIN_VOLT:</b> 161 <b>NAME:</b> Edenwood <b>NUM_LINES:</b> 5 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Irmo, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 230 <b>MIN_VOLT:</b> 4 <b>NAME:</b> Mcmeekin <b>NUM_LINES:</b> 13 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Saint Andrews, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 230 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Denny Terrace <b>NUM_LINES:</b> 10 <b>STATE:</b> SC
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Cayce, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 230 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Unknown <b>NUM_LINES:</b> 9 <b>STATE:</b> SC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Dentsville, SC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 230 <b>MIN_VOLT:</b> 161 <b>NAME:</b> Pineland <b>NUM_LINES:</b> 5 <b>STATE:</b> SC

**Feature(s) Selected:** [Back to Top](#)

Broad River
Lake Murray
Saluda River
Congaree River

**Railway**

**Feature(s) Selected:** [Back to Top](#)

CSXT
NS
PVTX

**County**

**Feature(s) Selected:** [Back to Top](#)

<b>NAME:</b> Lexington <b>POP2000:</b> 216014 <b>STATE_NAME:</b> South Carolina	<b>NAME:</b> Richland <b>POP2000:</b> 320677 <b>STATE_NAME:</b> South Carolina
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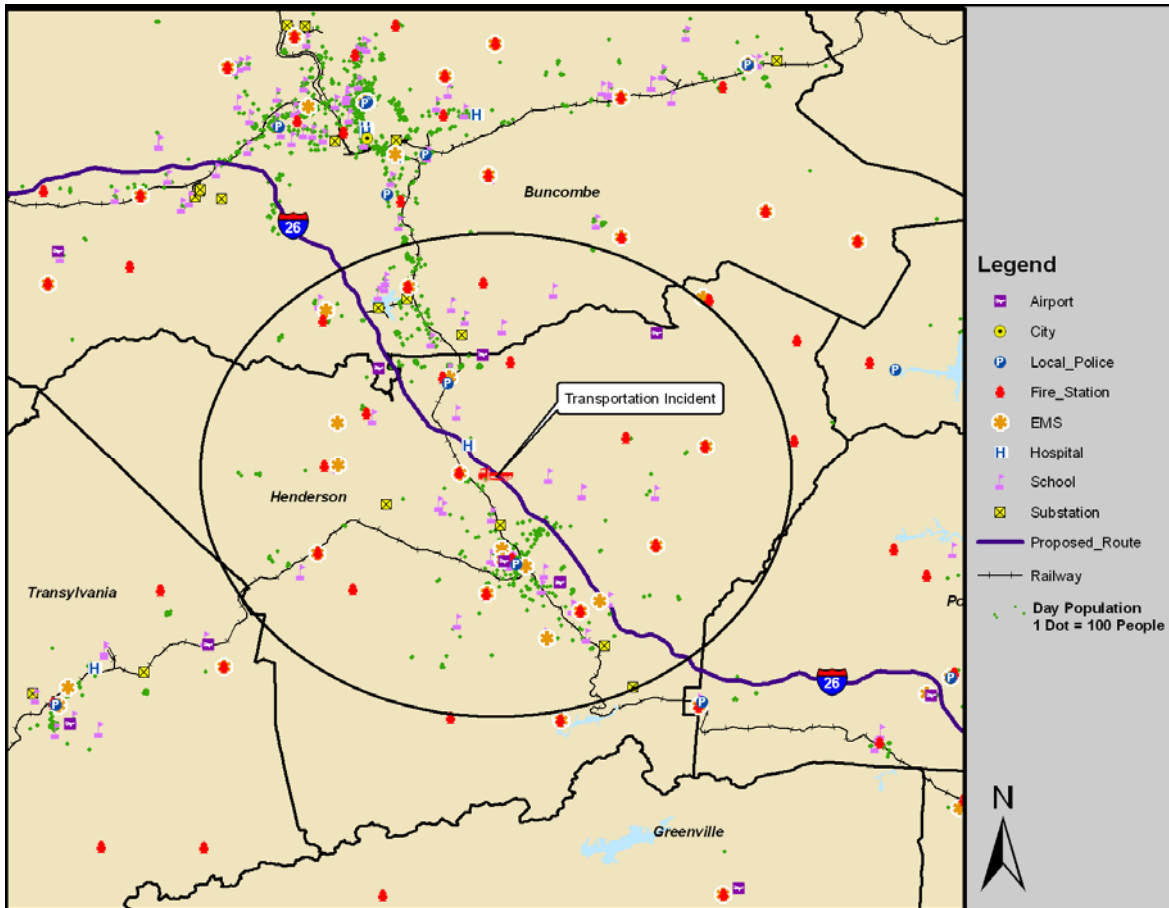
**State**

**Feature(s) Selected:** [Back to Top](#)

<b>STATE_NAME:</b> South Carolina <b>POP2000:</b> 4012012
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**GIS Spatial Query Report:  
“Staged” Incident 3, I-26 near Henderson, NC  
10-mile Buffer Zone**



4/23/2008 2:12 PM

***Packagings RFID Tracking System - DEMO***

Geographical Information System (GIS) is widely used in management of emergencies. This is an example GIS Spatial Query Report for “staged” Incident 3, I-26 near Henderson, NC showing all key facility locations within a 10-mile buffer zone. This report is generated by the staff of the Decision and Information Sciences Division of Argonne National Laboratory, using a system developed for the Department of Homeland Security.



## Total Features within 10 mile Buffer

### Summary Counts

<a href="#">Airport</a>	6
<a href="#">Local Police</a>	2
<a href="#">Fire Station</a>	17
<a href="#">EMS</a>	16
<a href="#">Hospital</a>	2
<a href="#">School</a>	37
<a href="#">Substation</a>	8
<a href="#">WaterPoly</a>	1
<a href="#">Railway</a>	1
<a href="#">County</a>	4
<a href="#">State</a>	1

**Total Day Population**

**97,594**

### Airport

**Feature(s) Selected:**      [Back to Top](#)

FAC_USE: Pr FULLNAME: Pardee Memorial Hospital OWNER_TYPE: Pr STATE_NAME: North Carolina	FAC_USE: Pr FULLNAME: W.N.C. Air Museum OWNER_TYPE: Pr STATE_NAME: North Carolina
FAC_USE: Pr FULLNAME: Bearwallow Farm OWNER_TYPE: Pr STATE_NAME: North Carolina	FAC_USE: Pr FULLNAME: Cane Creek OWNER_TYPE: Pr STATE_NAME: North Carolina
FAC_USE: Pu FULLNAME: Hendersonville OWNER_TYPE: Pr STATE_NAME: North Carolina	FAC_USE: Pu FULLNAME: Asheville Regional OWNER_TYPE: Pu STATE_NAME: North Carolina

### Local\_Police

**Feature(s) Selected:**      [Back to Top](#)

ADDRESS: 110 Parrish Municipal Dr ADDRESS2: AREA: 828 CITY: Fletcher COUNTY: Henderson HEADQUARTE: Y JURISDICTI: Headquarters NAICSDESCR: Police Departments (Except American Indian or Alaska Native) NAME: Fletcher Police Dept Headquarters PHONE: 687-7922 STATE: NC TYPE: Local ZIP: 28732	ADDRESS: 145 5Th Avenue ADDRESS2: AREA: 828 CITY: Hendersonville COUNTY: Henderson HEADQUARTE: Y JURISDICTI: Headquarters NAICSDESCR: Police Departments (Except American Indian or Alaska Native) NAME: Hendersonville Police Department Headquarters PHONE: 697-3025 STATE: NC TYPE: Local
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**Fire\_Station****Feature(s) Selected:** [Back to Top](#)

<b>ADDRESS:</b> 9 Miller Ave <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Asheville <b>COUNTY:</b> Buncombe <b>NAME:</b> Asheville Fire Station 4 <b>PHONE:</b> 259-5770 <b>STATE:</b> NC <b>ZIP:</b> 28803	<b>ADDRESS:</b> 2500 Old Spartanburg Road <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> East Flat Rock <b>COUNTY:</b> Henderson <b>NAME:</b> Blue Ridge Fire And Rescue Incorporated <b>PHONE:</b> 692-4416 <b>STATE:</b> NC <b>ZIP:</b> 28726
<b>ADDRESS:</b> 2001 Dana Rd. <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Dana <b>COUNTY:</b> Henderson <b>NAME:</b> Dana Volunteer Fire & Rescue Dept Inc <b>PHONE:</b> 685-3494 <b>STATE:</b> NC <b>ZIP:</b> 28724	<b>ADDRESS:</b> 1 Firehouse Rd <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Edneyville <b>COUNTY:</b> Henderson <b>NAME:</b> Edneyville Fd St 1 <b>PHONE:</b> 685-7311 <b>STATE:</b> NC <b>ZIP:</b> 28792
<b>ADDRESS:</b> 3101 Fruitland Rd <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Hendersonville <b>COUNTY:</b> Henderson <b>NAME:</b> Edneyville Fd St 2 <b>PHONE:</b> 272-9360 <b>STATE:</b> NC <b>ZIP:</b> 28792	<b>ADDRESS:</b> 3559 Hebron Rd <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Hendersonville <b>COUNTY:</b> Henderson <b>NAME:</b> Etowah Horse Shoe Fire & Rescue Station 2 <b>PHONE:</b> 891-9915 <b>STATE:</b> NC <b>ZIP:</b> 28739
<b>ADDRESS:</b> 15 Morgan Road <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Horse Shoe <b>COUNTY:</b> Henderson <b>NAME:</b> Etowah Horse Shoe Volunteer Fire & Rescue <b>PHONE:</b> 891-3102 <b>STATE:</b> NC <b>ZIP:</b> 28742	<b>ADDRESS:</b> 49 E Fanning Bridge Rd <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Fletcher <b>COUNTY:</b> Henderson <b>NAME:</b> Fletcher Fire & Rescue Dept Inc <b>PHONE:</b> 684-0864 <b>STATE:</b> NC <b>ZIP:</b> 28732
<b>ADDRESS:</b> 516 Hoopers Creek Rd <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Fletcher <b>COUNTY:</b> Henderson <b>NAME:</b> Fletcher Fire And Rescue Dept. INC. <b>PHONE:</b> 684-3946 <b>STATE:</b> NC <b>ZIP:</b> 28732	<b>ADDRESS:</b> 851 N Main St <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Hendersonville <b>COUNTY:</b> Henderson <b>NAME:</b> Hendersonville Fire Dept <b>PHONE:</b> 697-3024 <b>STATE:</b> NC <b>ZIP:</b> 28792

<b>ADDRESS:</b> 310 Williams Rd <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Arden <b>COUNTY:</b> Buncombe <b>NAME:</b> John E Bishop Station <b>PHONE:</b> 684-6421 <b>STATE:</b> NC <b>ZIP:</b> 28732	<b>ADDRESS:</b> 121 School House Road <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Horse Shoe <b>COUNTY:</b> Henderson <b>NAME:</b> Mills River Volunteer Fire Department Incorporated <b>PHONE:</b> 891-7959 <b>STATE:</b> NC <b>ZIP:</b> 28742
<b>ADDRESS:</b> 100 Fanning Fields Road <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Fletcher <b>COUNTY:</b> Henderson <b>NAME:</b> Mills River Volunteer Fire Department Incorporated Station 2 <b>PHONE:</b> 891-7959 <b>STATE:</b> NC <b>ZIP:</b> 28732	<b>ADDRESS:</b> 3710 Asheville Hwy <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Mountain Home <b>COUNTY:</b> Henderson <b>NAME:</b> Mountain Home Fire & Rescue Dept, INC <b>PHONE:</b> 692-8014 <b>STATE:</b> NC <b>ZIP:</b> 28758
<b>ADDRESS:</b> 9 Miller Rd E <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Asheville <b>COUNTY:</b> Buncombe <b>NAME:</b> Skyland Fire Station 1 <b>PHONE:</b> 684-6421 <b>STATE:</b> NC <b>ZIP:</b> 28803	<b>ADDRESS:</b> 899 Glen Bridge Rd Se <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Arden <b>COUNTY:</b> Buncombe <b>NAME:</b> Skyland Fire Station 2 <b>PHONE:</b> 684-6421 <b>STATE:</b> NC <b>ZIP:</b> 28704
<b>ADDRESS:</b> 1675 Willow Rd <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Hendersonville <b>COUNTY:</b> Henderson <b>NAME:</b> Valley Hill Fire Hq <b>PHONE:</b> 692-2581 <b>STATE:</b> NC <b>ZIP:</b> 28739	

## EMS

**Feature(s) Selected:** [Back to Top](#)

<b>ADDRESS:</b> 1532 Haywood Road <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Hendersonville <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> Arc-Angel Transport <b>PHONE:</b> 696-0533	<b>ADDRESS:</b> 2503 Old Spartanburg Road <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> East Flat Rock <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Fire And Rescue Service <b>NAME:</b> Blue Ridge Fire Rescue <b>PHONE:</b> 692-4416 <b>STATE:</b> NC
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<b>STATE:</b> NC <b>ZIP:</b> 28791	<b>ZIP:</b> 28726
<b>ADDRESS:</b> 61 Village Ctr Dr <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Flat Rock <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Fire And Rescue Service <b>NAME:</b> Blue Ridge Fire/Rescue-Village Ctr St 2 <b>PHONE:</b> 692-4416 <b>STATE:</b> NC <b>ZIP:</b> 28731	<b>ADDRESS:</b> 2001 Dana Rd <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Dana <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Fire And Rescue Service <b>NAME:</b> Dana Fire Rescue <b>PHONE:</b> 685-3494 <b>STATE:</b> NC <b>ZIP:</b> 28724
<b>ADDRESS:</b> 1 Firehouse Road <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Hendersonville <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Fire And Rescue Service <b>NAME:</b> Edneyville Fire And Rescue <b>PHONE:</b> 685-7311 <b>STATE:</b> NC <b>ZIP:</b> 28792	<b>ADDRESS:</b> 15 Morgan Rd <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Horse Shoe <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Ambulance Services, Air or Ground <b>NAME:</b> Etowah-Horse Shoe Vfr <b>PHONE:</b> 891-3102 <b>STATE:</b> NC <b>ZIP:</b> 28742
<b>ADDRESS:</b> 49 E Fanning Bridge Rd <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Fletcher <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Fire And Rescue Service <b>NAME:</b> Fletcher Fire Rescue 1St Responders <b>PHONE:</b> 684-0864 <b>STATE:</b> NC <b>ZIP:</b> 28732	<b>ADDRESS:</b> 322 Williams St <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Hendersonville <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Rescue Services, Medical <b>NAME:</b> Henderson Co Rescue Amb <b>PHONE:</b> 692-3487 <b>STATE:</b> NC <b>ZIP:</b> 28792
<b>ADDRESS:</b> 100 Commercial Boulevard <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Flat Rock <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Ambulance Services, Air or Ground <b>NAME:</b> Henderson County Ambulance Emergency Medical Services # 3 <b>PHONE:</b> 694-7996 <b>STATE:</b> NC <b>ZIP:</b> 28731	<b>ADDRESS:</b> 125 Vance Hill Drive <b>ADDRESS2:</b> Suite A <b>AREA:</b> 828 <b>CITY:</b> Fletcher <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Ambulance Services, Air or Ground <b>NAME:</b> Henderson County Ambulance Emergency Medical Services #2 Mills River <b>PHONE:</b> 890-7000 <b>STATE:</b> NC <b>ZIP:</b> 28732
<b>ADDRESS:</b> 820 North Justice Street <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Hendersonville <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> Henderson County Emergency Medical Services	<b>ADDRESS:</b> 5 W Haven Dr <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Arden <b>COUNTY:</b> Buncombe <b>NAICSDESCR:</b> Ambulance Services, Air or Ground <b>NAME:</b> Medical Emergency Transport <b>PHONE:</b> 684-0287 <b>STATE:</b> NC

<b>PHONE:</b> 697-4825 <b>STATE:</b> NC <b>ZIP:</b> 28791	<b>ZIP:</b> 28704
<b>ADDRESS:</b> 121 School House Rd <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Horse Shoe <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Fire And Rescue Service <b>NAME:</b> Mills River Fire/Rescue <b>PHONE:</b> 891-7959 <b>STATE:</b> NC <b>ZIP:</b> 28742	<b>ADDRESS:</b> 3710 Asheville Hwy <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Mountain Home <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Fire And Rescue Service <b>NAME:</b> Mountain Home Fire & Resc <b>PHONE:</b> 692-8014 <b>STATE:</b> NC <b>ZIP:</b> 28758
<b>ADDRESS:</b> 9 Miller Rd <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Skyland <b>COUNTY:</b> Buncombe <b>NAICSDESCR:</b> Fire And Rescue Service <b>NAME:</b> Skyland Fire/Rescue <b>PHONE:</b> 684-6421 <b>STATE:</b> NC <b>ZIP:</b> 28776	<b>ADDRESS:</b> 1675 Willow Road <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>CITY:</b> Hendersonville <b>COUNTY:</b> Henderson <b>NAICSDESCR:</b> Fire And Rescue Service <b>NAME:</b> Valley Hill Fire/Rescue <b>PHONE:</b> 692-2581 <b>STATE:</b> NC <b>ZIP:</b> 28739

## Hospital

### Feature(s) Selected:

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<b>ADDRESS:</b> 100 Hospital Drive <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>BEDSIZE:</b> 103 <b>CITY:</b> Hendersonville <b>COUNTY:</b> Henderson <b>NAME:</b> Park Ridge Hospital <b>PHONE:</b> 684-8501 <b>STATE:</b> NC <b>ZIP:</b> 28792	<b>ADDRESS:</b> 800 North Justice Street <b>ADDRESS2:</b> <b>AREA:</b> 828 <b>BEDSIZE:</b> 242 <b>CITY:</b> Hendersonville <b>COUNTY:</b> Henderson <b>NAME:</b> Margaret R Pardee Memorial Hospital <b>PHONE:</b> 696-1000 <b>STATE:</b> NC <b>ZIP:</b> 28791
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## School

### Feature(s) Selected:

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<b>AD1:</b> 43 Fruitland Rd <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> Apple Valley Middle School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697 <b>PHONE_SUFF:</b> 4545 <b>STATE:</b> NC <b>ZIP4:</b> 8510	<b>AD1:</b> 2568 Hendersonville Rd <b>CITY:</b> Arden <b>COUNTY:</b> 37021 <b>NAME:</b> Arden Christian School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 687 <b>PHONE_SUFF:</b> 0704 <b>STATE:</b> NC <b>ZIP4:</b> 9572
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<b>AD1:</b> 2510 Old Kanuga Rd <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> Atkinson Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697 <b>PHONE_SUFF:</b> 4755 <b>STATE:</b> NC <b>ZIP4:</b> 6999	<b>AD1:</b> 15 Park South Rd <b>CITY:</b> Arden <b>COUNTY:</b> 37021 <b>NAME:</b> Averys Creek Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 654 <b>PHONE_SUFF:</b> 1810 <b>STATE:</b> NC <b>ZIP4:</b> 8720
<b>AD1:</b> 2529 Asheville Hwy <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> Balford Education Center <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697 <b>PHONE_SUFF:</b> 4629 <b>STATE:</b> NC <b>ZIP4:</b> 8838	<b>AD1:</b> 834 N Main St <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> Bruce Drysdale Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697 <b>PHONE_SUFF:</b> 5568 <b>STATE:</b> NC <b>ZIP4:</b> 3621
<b>AD1:</b> 570 Lower Brush Creek Rd <b>CITY:</b> Fletcher <b>COUNTY:</b> 37021 <b>NAME:</b> Cane Creek Middle School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 628 <b>PHONE_SUFF:</b> 0824 <b>STATE:</b> NC <b>ZIP4:</b> 8486	<b>AD1:</b> Dolger Dr <b>CITY:</b> Fletcher <b>COUNTY:</b> 37021 <b>NAME:</b> Captain Gilmer School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 684 <b>PHONE_SUFF:</b> 8221 <b>STATE:</b> NC <b>ZIP4:</b> 5338
<b>AD1:</b> 500 Christ School Rd <b>CITY:</b> Arden <b>COUNTY:</b> 37021 <b>NAME:</b> Christ School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 684 <b>PHONE_SUFF:</b> 6232 <b>STATE:</b> NC <b>ZIP4:</b> 8405	<b>AD1:</b> 737 N Clear Creek Rd <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> Clear Creek Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697 <b>PHONE_SUFF:</b> 4760 <b>STATE:</b> NC <b>ZIP4:</b> 7032
<b>AD1:</b> 110 Upward Rd <b>CITY:</b> East Flat Rock <b>COUNTY:</b> 37089 <b>NAME:</b> E Henderson High School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697 <b>PHONE_SUFF:</b> 4768 <b>STATE:</b> NC <b>ZIP4:</b> 2063	<b>AD1:</b> 2875 Pace Rd <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> Edneyville Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 685 <b>PHONE_SUFF:</b> 7600 <b>STATE:</b> NC <b>ZIP4:</b> 9039
<b>AD1:</b> 320 Etowah School Rd <b>CITY:</b> Etowah <b>COUNTY:</b> 37089 <b>NAME:</b> Etowah Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 891	<b>AD1:</b> 191 Preston Lane <b>CITY:</b> East Flat Rock <b>COUNTY:</b> 37089 <b>NAME:</b> Flat Rock Middle School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697

<b>PHONE_SUFF:</b> 6560 <b>STATE:</b> NC <b>ZIP4:</b> 8766	<b>PHONE_SUFF:</b> 4775 <b>STATE:</b> NC <b>ZIP4:</b> 2865
<b>AD1:</b> 185 Fletcher Acad Dr <b>CITY:</b> Fletcher <b>COUNTY:</b> 37021 <b>NAME:</b> Fletcher Academy <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 687 <b>PHONE_SUFF:</b> 5100 <b>STATE:</b> NC <b>ZIP4:</b> 5440	<b>AD1:</b> 500 Howard Gap Rd <b>CITY:</b> Fletcher <b>COUNTY:</b> 37089 <b>NAME:</b> Fletcher Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 684 <b>PHONE_SUFF:</b> 0580 <b>STATE:</b> NC <b>ZIP4:</b> 9208
<b>AD1:</b> 50 Pinehurst Cir <b>CITY:</b> Arden <b>COUNTY:</b> 37021 <b>NAME:</b> Glen Arden Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 654 <b>PHONE_SUFF:</b> 1800 <b>STATE:</b> NC <b>ZIP4:</b> 3099	<b>AD1:</b> 1985 Butler Bridge Rd <b>CITY:</b> Fletcher <b>COUNTY:</b> 37089 <b>NAME:</b> Glenn C Marlow Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 654 <b>PHONE_SUFF:</b> 3225 <b>STATE:</b> NC <b>ZIP4:</b> 8792
<b>AD1:</b> 708 Old Spartanburg Rd <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> Hendersonville Christian School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 692 <b>PHONE_SUFF:</b> 0556 <b>STATE:</b> NC <b>ZIP4:</b> 5348	<b>AD1:</b> 1039 Randall Circle <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> Hendersonville Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697 <b>PHONE_SUFF:</b> 4752 <b>STATE:</b> NC <b>ZIP4:</b> 3399
<b>AD1:</b> 311 8Th Ave W <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> Hendersonville High School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697 <b>PHONE_SUFF:</b> 4802 <b>STATE:</b> NC <b>ZIP4:</b> 3657	<b>AD1:</b> 825 N Whitted St <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> Hendersonville Middle School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697 <b>PHONE_SUFF:</b> 4800 <b>STATE:</b> NC <b>ZIP4:</b> 3392
<b>AD1:</b> 802 A Old Spartanburg Rd <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> Heritage Hall International School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 693 <b>PHONE_SUFF:</b> 6845 <b>STATE:</b> NC <b>ZIP4:</b> 5350	<b>AD1:</b> 504 Preston Lane <b>CITY:</b> East Flat Rock <b>COUNTY:</b> 37089 <b>NAME:</b> Hillandale Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697 <b>PHONE_SUFF:</b> 4782 <b>STATE:</b> NC <b>ZIP4:</b> 2866
<b>AD1:</b> 711 Buncombe St <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089	<b>AD1:</b> 96 School House Rd <b>CITY:</b> Horse Shoe <b>COUNTY:</b> 37089

<b>NAME:</b> Immaculata School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 693 <b>PHONE_SUFF:</b> 3277 <b>STATE:</b> NC <b>ZIP4:</b> 3699	<b>NAME:</b> Mills River Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 891 <b>PHONE_SUFF:</b> 6563 <b>STATE:</b> NC <b>ZIP4:</b> 9746
<b>AD1:</b> 35 Fruitland Rd <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> North Henderson High School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697 <b>PHONE_SUFF:</b> 4500 <b>STATE:</b> NC <b>ZIP4:</b> 8509	<b>AD1:</b> 250 Overlook Rd <b>CITY:</b> Asheville <b>COUNTY:</b> 37021 <b>NAME:</b> Progressive Education Program School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 654 <b>PHONE_SUFF:</b> 1780 <b>STATE:</b> NC <b>ZIP4:</b> 3317
<b>AD1:</b> 3345 Haywood Rd <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> Rugby Middle School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 891 <b>PHONE_SUFF:</b> 6566 <b>STATE:</b> NC <b>ZIP4:</b> 9721	<b>AD1:</b> 250 Overlook Rd <b>CITY:</b> Asheville <b>COUNTY:</b> 37021 <b>NAME:</b> T C Roberson High School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 654 <b>PHONE_SUFF:</b> 1765 <b>STATE:</b> NC <b>ZIP4:</b> 3317
<b>AD1:</b> 613 Glover St <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> The Mountain Community School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 696 <b>PHONE_SUFF:</b> 8480 <b>STATE:</b> NC <b>ZIP4:</b> 5451	<b>AD1:</b> 45 Education Dr <b>CITY:</b> Flat Rock <b>COUNTY:</b> 37089 <b>NAME:</b> Upward Elementary School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 697 <b>PHONE_SUFF:</b> 4764 <b>STATE:</b> NC <b>ZIP4:</b> 8580
<b>AD1:</b> 957 Upward Rd <b>CITY:</b> Flat Rock <b>COUNTY:</b> 37089 <b>NAME:</b> Upward Sda School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 693 <b>PHONE_SUFF:</b> 6532 <b>STATE:</b> NC <b>ZIP4:</b> 8799	<b>AD1:</b> 224 Long Shoals Rd <b>CITY:</b> Arden <b>COUNTY:</b> 37021 <b>NAME:</b> Valley Springs Middle School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 654 <b>PHONE_SUFF:</b> 1785 <b>STATE:</b> NC <b>ZIP4:</b> 7775
<b>AD1:</b> 17 Kane Creek Rd <b>CITY:</b> Fletcher <b>COUNTY:</b> 37089 <b>NAME:</b> Veritas Christian Academy <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 681 <b>PHONE_SUFF:</b> 0546 <b>STATE:</b> NC <b>ZIP4:</b>	<b>AD1:</b> 3600 Haywood Rd <b>CITY:</b> Hendersonville <b>COUNTY:</b> 37089 <b>NAME:</b> West Henderson High School <b>PHONE_AREA:</b> 828 <b>PHONE_PREF:</b> 891 <b>PHONE_SUFF:</b> 6571 <b>STATE:</b> NC <b>ZIP4:</b> 9700



**AD1:** 275 Overlook Rd  
**CITY:** Asheville  
**COUNTY:** 37021  
**NAME:** William Estes Elementary School  
**PHONE\_AREA:** 828  
**PHONE\_PREF:** 654  
**PHONE\_SUFF:** 1795  
**STATE:** NC  
**ZIP4:** 3316

## Substation

**Feature(s) Selected:**

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<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Saluda, NC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 0 <b>MIN_VOLT:</b> 0 <b>NAME:</b> Tuxedo <b>NUM_LINES:</b> 0 <b>STATE:</b> NC <b>ZIP_CODE:</b> 28731	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Fletcher, NC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 0 <b>MIN_VOLT:</b> 0 <b>NAME:</b> Fletcher Warehousing Co <b>NUM_LINES:</b> 0 <b>STATE:</b> NC <b>ZIP_CODE:</b> 28732
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Skyland, NC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 161 <b>NAME:</b> Unknown <b>NUM_LINES:</b> 2 <b>STATE:</b> NC <b>ZIP_CODE:</b> 28704	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Royal Pines, NC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 161 <b>NAME:</b> Unknown <b>NUM_LINES:</b> 2 <b>STATE:</b> NC <b>ZIP_CODE:</b> 28704
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Mountain Home, NC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Mills River <b>NUM_LINES:</b> 4 <b>STATE:</b> NC <b>ZIP_CODE:</b> 28791	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Balfour, NC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Horseshoe <b>NUM_LINES:</b> 5 <b>STATE:</b> NC <b>ZIP_CODE:</b> 28792
<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> East Flat Rock, NC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 161 <b>MIN_VOLT:</b> 161 <b>NAME:</b> Hendersonville <b>NUM_LINES:</b> 4 <b>STATE:</b> NC	<b>AVG_LOAD:</b> <b>AVG_OUTPUT:</b> <b>CITY:</b> Skyland, NC <b>COUNTRY:</b> United States <b>MAX_VOLT:</b> 230 <b>MIN_VOLT:</b> 115 <b>NAME:</b> Asheville <b>NUM_LINES:</b> 8 <b>STATE:</b> NC

ZIP_CODE: 28726	ZIP_CODE: 28704
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### WaterPoly

**Feature(s) Selected:** [Back to Top](#)

French Broad River
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### Railway

**Feature(s) Selected:** [Back to Top](#)

Norfolk Southern
------------------

### County

**Feature(s) Selected:** [Back to Top](#)

NAME: Buncombe POP2000: 206330 STATE_NAME: North Carolina	NAME: Henderson POP2000: 89173 STATE_NAME: North Carolina
NAME: Transylvania POP2000: 29334 STATE_NAME: North Carolina	NAME: Polk POP2000: 18324 STATE_NAME: North Carolina

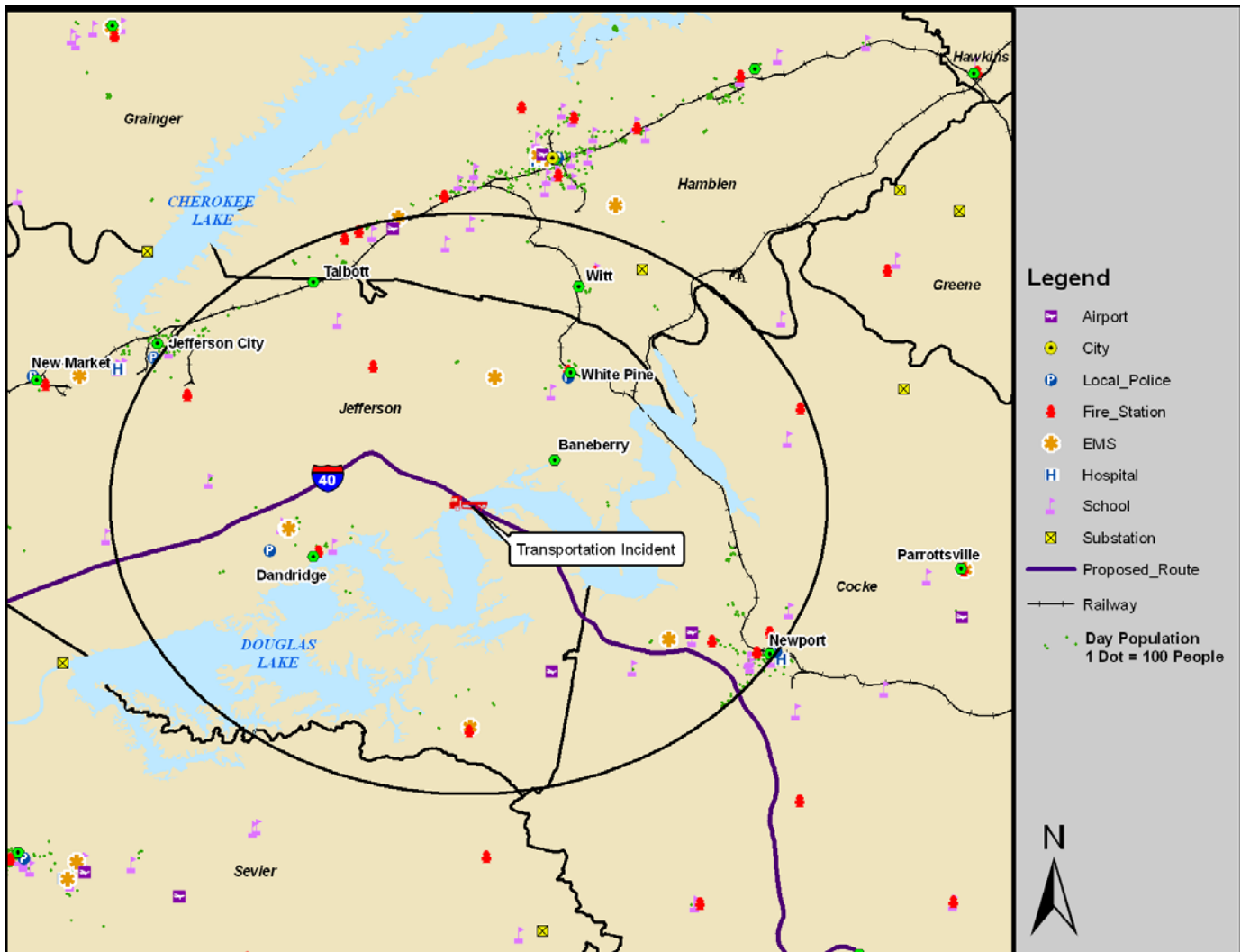
### State

**Feature(s) Selected:** [Back to Top](#)

STATE_NAME: North Carolina POP2000: 8049313
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**GIS Spatial Query Report:  
“Staged” Incident 4, I-40 near Dandridge, TN  
10-mile Buffer Zone**



**4/24/2008 2:10 PM**

***Packagings RFID Tracking System - DEMO***

Geographical Information System (GIS) is widely used in management of emergencies. This is an example GIS Spatial Query Report for “staged” Incident 4, I-40 near Dandridge, TN showing all key facility locations within a 10 mile buffer zone. This report is generated by the staff of the Decision and Information Sciences Division of Argonne National Laboratory, using a system developed for the Department of Homeland Security.



## Total Features within 10 Mile Buffer

### Summary Counts

<a href="#">Transportation_Incident</a>	1
<a href="#">Place</a>	6
<a href="#">Airport</a>	3
<a href="#">Local_Police</a>	3
<a href="#">Fire_Station</a>	12
<a href="#">EMS</a>	5
<a href="#">School</a>	19
<a href="#">Substation</a>	1
<a href="#">WaterPoly</a>	1
<a href="#">Railway</a>	1
<a href="#">dtl_cnty</a>	4
<a href="#">dtl_st</a>	1

**Total Day Population:** 40,501

### Transportation\_Incident

**Feature(s) Selected:** [Back to Top](#)

Name: Transportation Incident Location  
STATE\_NAME: Tennessee

### Place

**Feature(s) Selected:** [Back to Top](#)

COUNTY: Jefferson County NAME: Talbott POP_2000: -99999 STATE: TN	COUNTY: Hamblen County NAME: Witt POP_2000: -99999 STATE: TN
COUNTY: Jefferson County NAME: Baneberry POP_2000: 366 STATE: TN	COUNTY: Jefferson County NAME: White Pine POP_2000: 1997 STATE: TN
COUNTY: Jefferson County NAME: Dandridge POP_2000: 2078 STATE: TN	COUNTY: Cocke County NAME: Newport POP_2000: 7242 STATE: TN

### Airport

**Feature(s) Selected:** [Back to Top](#)

FAC_USE: Pr FULLNAME: Jacques OWNER_TYPE: Pr STATE_NAME: Tennessee	FAC_USE: Pr FULLNAME: Van Stratum OWNER_TYPE: Pr STATE_NAME: Tennessee
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## Local\_Police

**Feature(s) Selected:** [Back to Top](#)

<b>ADDRESS:</b> 330 E Main St <b>ADDRESS2:</b> <b>AREA:</b> 423 <b>CITY:</b> Newport <b>COUNTY:</b> Cocke <b>HEADQUARTE:</b> Y <b>JURISDICTI:</b> Headquarters <b>NAICSDESCR:</b> Police Departments (Except American Indian Or Alaska Native) <b>NAME:</b> Newport Police Dept. Headquarters <b>PHONE:</b> 623-5556 <b>STATE:</b> TN <b>TYPE:</b> Local <b>ZIP:</b> 37821	<b>ADDRESS:</b> 1548 W Main St <b>ADDRESS2:</b> <b>AREA:</b> 865 <b>CITY:</b> White Pine <b>COUNTY:</b> Jefferson <b>HEADQUARTE:</b> Y <b>JURISDICTI:</b> Headquarters <b>NAICSDESCR:</b> Police Departments (Except American Indian Or Alaska Native) <b>NAME:</b> White Pine Police Dept. Headquarters <b>PHONE:</b> 674-7771 <b>STATE:</b> TN <b>TYPE:</b> Local <b>ZIP:</b> 37890
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## Fire\_Station

**Feature(s) Selected:** [Back to Top](#)

<b>ADDRESS:</b> 210 Turner Ridge Rd <b>ADDRESS2:</b> <b>AREA:</b> 423 <b>CITY:</b> Newport <b>COUNTY:</b> Cocke <b>NAME:</b> Centerview Vol Fire Dept <b>PHONE:</b> 623-9494 <b>STATE:</b> TN <b>ZIP:</b> 37821	<b>ADDRESS:</b> 2418 Mcgaha Hollow Rd <b>ADDRESS2:</b> <b>AREA:</b> 865 <b>CITY:</b> Dandridge <b>COUNTY:</b> Jefferson <b>NAME:</b> ChesTNut Hill Vol Fire Station <b>PHONE:</b> 509-4488 <b>STATE:</b> TN <b>ZIP:</b> 37725
<b>ADDRESS:</b> 120 Fairground Cir <b>ADDRESS2:</b> <b>AREA:</b> 423 <b>CITY:</b> Newport <b>COUNTY:</b> Cocke <b>NAME:</b> Cocke County Fire Station <b>PHONE:</b> 623-4444 <b>STATE:</b> TN <b>ZIP:</b> 37821	<b>ADDRESS:</b> 147 E Meeting St <b>ADDRESS2:</b> <b>AREA:</b> 865 <b>CITY:</b> Dandridge <b>COUNTY:</b> Jefferson <b>NAME:</b> Dandridge Vfd <b>PHONE:</b> 397-3192 <b>STATE:</b> TN <b>ZIP:</b> 37725
<b>ADDRESS:</b> 1352 Talbott Kansas Rd <b>ADDRESS2:</b> <b>AREA:</b> 865 <b>CITY:</b> Talbott <b>COUNTY:</b> Jefferson <b>NAME:</b> Kansas Talbott Volunteer Fire Station <b>PHONE:</b> 475-9189 <b>STATE:</b> TN <b>ZIP:</b> 37877	<b>ADDRESS:</b> 967 Devotie Rd <b>ADDRESS2:</b> <b>AREA:</b> 865 <b>CITY:</b> Jefferson City <b>COUNTY:</b> Jefferson <b>NAME:</b> Lakeway Central Vol Fire Dept <b>PHONE:</b> 475-0930 <b>STATE:</b> TN <b>ZIP:</b> 37760
<b>ADDRESS:</b> 5700 Air Park Blvd <b>ADDRESS2:</b> <b>AREA:</b> 423	<b>ADDRESS:</b> 103 C Ave <b>ADDRESS2:</b> <b>AREA:</b> 423

<b>CITY:</b> Morristown <b>COUNTY:</b> Hamblen <b>NAME:</b> Morristown Fd St 5 <b>PHONE:</b> 585-4655 <b>STATE:</b> TN <b>ZIP:</b> 37814	<b>CITY:</b> Newport <b>COUNTY:</b> Cocke <b>NAME:</b> Newport (C Ave) Fire Station <b>PHONE:</b> 613-4047 <b>STATE:</b> TN <b>ZIP:</b> 37821
<b>ADDRESS:</b> Smith St <b>ADDRESS2:</b> <b>AREA:</b> 423 <b>CITY:</b> Newport <b>COUNTY:</b> Cocke <b>NAME:</b> Newport (Smith) Fire Station <b>PHONE:</b> 613-4047 <b>STATE:</b> TN <b>ZIP:</b> 37821	<b>ADDRESS:</b> 4686 S Davy Crockett Pkwy <b>ADDRESS2:</b> <b>AREA:</b> 423 <b>CITY:</b> Morristown <b>COUNTY:</b> Hamblen <b>NAME:</b> South Hamblen County Fire Dept <b>PHONE:</b> 581-9447 <b>STATE:</b> TN <b>ZIP:</b> 37813
<b>ADDRESS:</b> 6301 W Andrew Johnson Hwy <b>ADDRESS2:</b> <b>AREA:</b> 423 <b>CITY:</b> Talbott <b>COUNTY:</b> Hamblen <b>NAME:</b> West Hamblen County Fire Dept <b>PHONE:</b> 581-2003 <b>STATE:</b> TN <b>ZIP:</b> 37877	<b>ADDRESS:</b> 3208 School St <b>ADDRESS2:</b> <b>AREA:</b> 865 <b>CITY:</b> White Pine <b>COUNTY:</b> Jefferson <b>NAME:</b> White Pine Volunteer Fire Station <b>PHONE:</b> 674-6568 <b>STATE:</b> TN <b>ZIP:</b> 37890

## EMS

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<b>ADDRESS:</b> 3249 ChesTNut Hill School Rd <b>ADDRESS2:</b> <b>AREA:</b> 865 <b>CITY:</b> Dandridge <b>COUNTY:</b> Jefferson <b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> Jefferson County Ems Station 4 <b>OWNER:</b> <b>PHONE:</b> 397-7228 <b>STATE:</b> TN <b>ZIP:</b> 37725	<b>ADDRESS:</b> 915 Industrial Park Road <b>ADDRESS2:</b> <b>AREA:</b> 865 <b>CITY:</b> Dandridge <b>COUNTY:</b> Jefferson <b>NAICSDESCR:</b> Rescue Services, Medical <b>NAME:</b> Jefferson County Rescue Squad <b>OWNER:</b> <b>PHONE:</b> 397-3973 <b>STATE:</b> TN <b>ZIP:</b> 37725
<b>ADDRESS:</b> 111 Underwood Road <b>ADDRESS2:</b> <b>AREA:</b> 423 <b>CITY:</b> Newport <b>COUNTY:</b> Cocke <b>NAICSDESCR:</b> Rescue Services, Medical <b>NAME:</b> Newport Rescue Squad <b>OWNER:</b> <b>PHONE:</b> 623-2046 <b>STATE:</b> TN <b>ZIP:</b> 37821	<b>ADDRESS:</b> 911 Industrial Park Rd <b>ADDRESS2:</b> <b>AREA:</b> 865 <b>CITY:</b> Dandridge <b>COUNTY:</b> Jefferson <b>NAICSDESCR:</b> Ambulance Services, Air Or Ground <b>NAME:</b> Jefferson County Ems Station 2 <b>OWNER:</b> <b>PHONE:</b> 397-7228 <b>STATE:</b> TN <b>ZIP:</b> 37725

## School

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<b>AD1:</b> 241 Hedrick Dr <b>CITY:</b> Newport <b>COUNTY:</b> 47029 <b>NAME:</b> Adult Education <b>PHONE_AREA:</b> 423 <b>PHONE_PREF:</b> 613 <b>PHONE_SUFF:</b> 0032 <b>STATE:</b> TN <b>ZIP5:</b> 37821	<b>AD1:</b> 3275 Maple Valley Rd <b>CITY:</b> Morristown <b>COUNTY:</b> 47063 <b>NAME:</b> All Saints Episcopal Day Sch <b>PHONE_AREA:</b> 423 <b>PHONE_PREF:</b> 586 <b>PHONE_SUFF:</b> 3280 <b>STATE:</b> TN <b>ZIP5:</b> 37813
<b>AD1:</b> 5620 Old Highway 11E <b>CITY:</b> Morristown <b>COUNTY:</b> 47063 <b>NAME:</b> Alpha Intermediate School <b>PHONE_AREA:</b> 423 <b>PHONE_PREF:</b> 586 <b>PHONE_SUFF:</b> 3332 <b>STATE:</b> TN <b>ZIP5:</b> 37814	<b>AD1:</b> 5626 Old Highway 11E <b>CITY:</b> Morristown <b>COUNTY:</b> 47063 <b>NAME:</b> Alpha Primary School <b>PHONE_AREA:</b> 423 <b>PHONE_PREF:</b> 581 <b>PHONE_SUFF:</b> 3440 <b>STATE:</b> TN <b>ZIP5:</b> 37814
<b>AD1:</b> 210 Hedrick Dr <b>CITY:</b> Newport <b>COUNTY:</b> 47029 <b>NAME:</b> Ben W Hooper Vocational Technical School <b>PHONE_AREA:</b> 423 <b>PHONE_PREF:</b> 623 <b>PHONE_SUFF:</b> 6072 <b>STATE:</b> TN <b>ZIP5:</b> 37821	<b>AD1:</b> 845 W Highway 25 70 <b>CITY:</b> Newport <b>COUNTY:</b> 47029 <b>NAME:</b> Calvary Bapt Tabernacle School <b>PHONE_AREA:</b> 423 <b>PHONE_PREF:</b> 623 <b>PHONE_SUFF:</b> 6542 <b>STATE:</b> TN <b>ZIP5:</b> 37821
<b>AD1:</b> 2400 Highway 160 <b>CITY:</b> Newport <b>COUNTY:</b> 47029 <b>NAME:</b> Centerview Elementary School <b>PHONE_AREA:</b> 423 <b>PHONE_PREF:</b> 623 <b>PHONE_SUFF:</b> 4947 <b>STATE:</b> TN <b>ZIP5:</b> 37821	<b>AD1:</b> 345 Hedrick Dr <b>CITY:</b> Newport <b>COUNTY:</b> 47029 <b>NAME:</b> Cocke County Alternative School <b>PHONE_AREA:</b> 423 <b>PHONE_PREF:</b> 625 <b>PHONE_SUFF:</b> 9768 <b>STATE:</b> TN <b>ZIP5:</b> 37821
<b>AD1:</b> 216 Hedrick Dr <b>CITY:</b> Newport <b>COUNTY:</b> 47029 <b>NAME:</b> Cocke County High School <b>PHONE_AREA:</b> 423 <b>PHONE_PREF:</b> 623 <b>PHONE_SUFF:</b> 8718 <b>STATE:</b> TN <b>ZIP5:</b> 37821	<b>AD1:</b> 780 South Highway 92 <b>CITY:</b> Dandridge <b>COUNTY:</b> 47089 <b>NAME:</b> Dandridge Elementary School <b>PHONE_AREA:</b> 865 <b>PHONE_PREF:</b> 397 <b>PHONE_SUFF:</b> 3127 <b>STATE:</b> TN <b>ZIP5:</b> 37725
<b>AD1:</b> 375 Carson Springs Rd <b>CITY:</b> Newport <b>COUNTY:</b> 47029 <b>NAME:</b> Edgemont Elementary School	<b>AD1:</b> 280 Old A J Hwy <b>CITY:</b> Jefferson City <b>COUNTY:</b> 47089 <b>NAME:</b> Heritage Christian Academy



<b>PHONE_AREA:</b> 423 <b>PHONE_PREF:</b> 623 <b>PHONE_SUFF:</b> 2288 <b>STATE:</b> TN <b>ZIP5:</b> 37821	<b>PHONE_AREA:</b> 865 <b>PHONE_PREF:</b> 471 <b>PHONE_SUFF:</b> 0700 <b>STATE:</b> TN <b>ZIP5:</b> 37760
<b>AD1:</b> 115 W Dumplin Valley Rd <b>CITY:</b> Dandridge <b>COUNTY:</b> 47089 <b>NAME:</b> Jefferson County High School <b>PHONE_AREA:</b> 865 <b>PHONE_PREF:</b> 397 <b>PHONE_SUFF:</b> 3182 <b>STATE:</b> TN <b>ZIP5:</b> 37725	<b>AD1:</b> 965 Maury Cir <b>CITY:</b> Dandridge <b>COUNTY:</b> 47089 <b>NAME:</b> Maury Middle School <b>PHONE_AREA:</b> 865 <b>PHONE_PREF:</b> 397 <b>PHONE_SUFF:</b> 3424 <b>STATE:</b> TN <b>ZIP5:</b> 37725
<b>AD1:</b> 344 Woodson Rd <b>CITY:</b> Newport <b>COUNTY:</b> 47029 <b>NAME:</b> Northwest Elementary School <b>PHONE_AREA:</b> 423 <b>PHONE_PREF:</b> 623 <b>PHONE_SUFF:</b> 4697 <b>STATE:</b> TN <b>ZIP5:</b> 37821	<b>AD1:</b> 848 Talbott Kansas Rd <b>CITY:</b> Talbott <b>COUNTY:</b> 47089 <b>NAME:</b> Talbott Elementary School <b>PHONE_AREA:</b> 865 <b>PHONE_PREF:</b> 475 <b>PHONE_SUFF:</b> 2988 <b>STATE:</b> TN <b>ZIP5:</b> 37877
<b>AD1:</b> One Indian Path <b>CITY:</b> Morristown <b>COUNTY:</b> 47063 <b>NAME:</b> West View Middle School <b>PHONE_AREA:</b> 423 <b>PHONE_PREF:</b> 581 <b>PHONE_SUFF:</b> 2407 <b>STATE:</b> TN <b>ZIP5:</b> 37813	<b>AD1:</b> 3060 Roy Messer Hwy <b>CITY:</b> White Pine <b>COUNTY:</b> 47089 <b>NAME:</b> White Pine Elementary School <b>PHONE_AREA:</b> 865 <b>PHONE_PREF:</b> 674 <b>PHONE_SUFF:</b> 2596 <b>STATE:</b> TN <b>ZIP5:</b> 37890

## Substation

### Feature(s) Selected:

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**AVG\_LOAD:**  
**AVG\_OUTPUT:**  
**CITY:** Witt, TN  
**COUNTRY:** United States  
**MAX\_VOLT:** 69  
**MIN\_VOLT:** 69  
**NUM\_LINES:** 1  
**NAME:** Lowland  
**STATE:** TN

## WaterPoly

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**POLYGON\_NM:** Douglas Lake

## Railway

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**Norfolk Southern**

## dtl\_cnty

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<b>NAME:</b> Cocke <b>POP2000:</b> 33565 <b>STATE_NAME:</b> Tennessee	<b>NAME:</b> Jefferson <b>POP2000:</b> 44294 <b>STATE_NAME:</b> Tennessee
<b>NAME:</b> Hamblen <b>POP2000:</b> 58128 <b>STATE_NAME:</b> Tennessee	<b>NAME:</b> Sevier <b>POP2000:</b> 71170 <b>STATE_NAME:</b> Tennessee

## dtl\_st

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**STATE\_NAME:** Tennessee  
**POP2000:** 5689283