



Quick Locate Service  
Website

**User Manual**

January 10, 2005



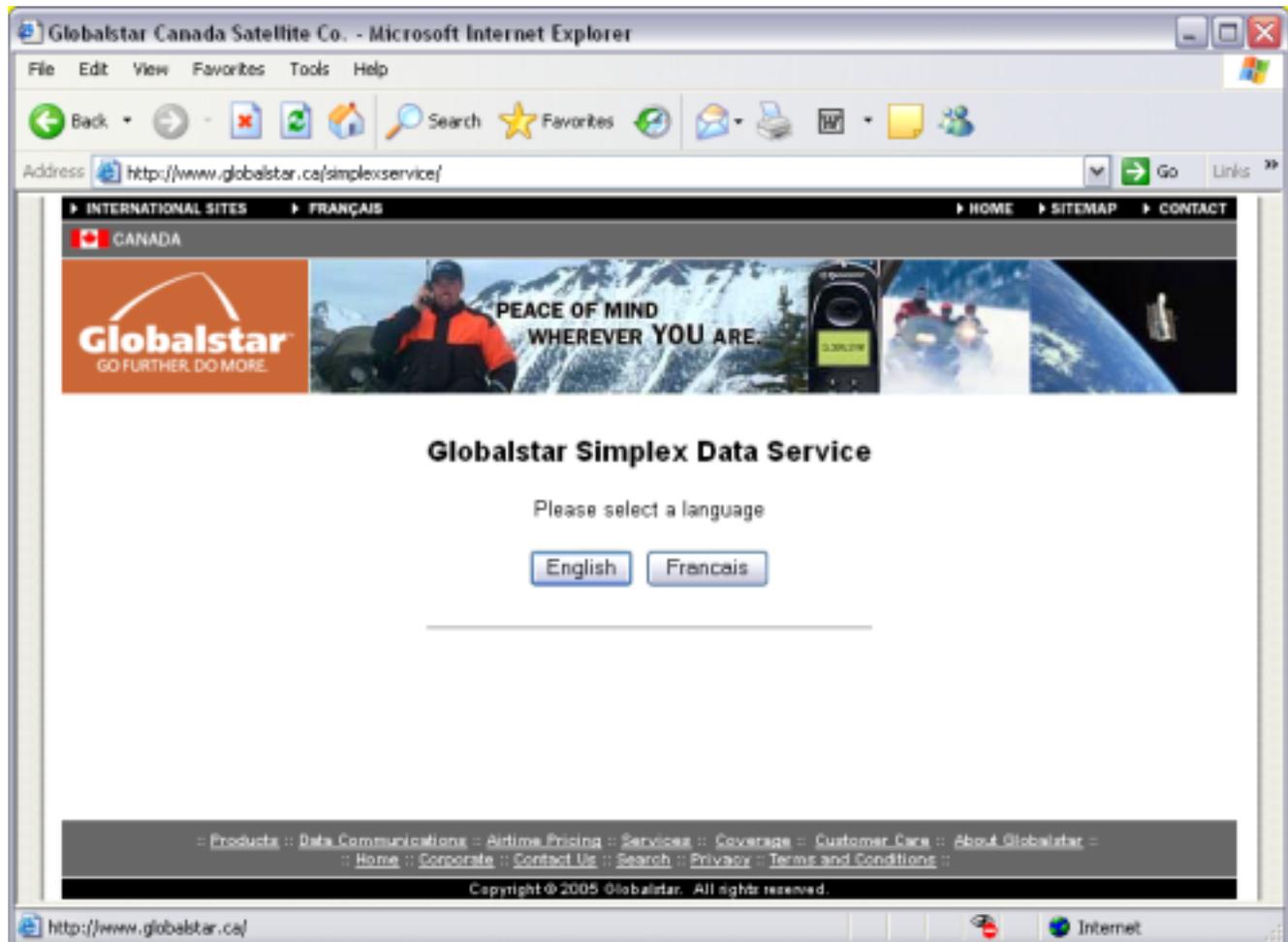
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## 1 Logging On and Off

### 1.1 Log On Page

Access to the Quick Locate service is granted through a secure Web interface. To access the system, each user must first have a browser capable of supporting 128 bit encryption. To access the log on page, go to the Globalstar website at <http://www.globalstar.com>, choose your country and click on the Quick Locate Service Log On button.

Canadian users will first select their language of choice (currently English and French). Once selected, the log on form is displayed. U.S. users will go directly to the log on page. The user will need to provide their assigned account name (usually an email address) and password to log on.



- A security certificate will be displayed the first time a user logs on and measures have been taken to secure the website from outside sources.

## 1.2 Log Off

Logging out of the system is achieved by pressing the SIGN OUT button found in the right hand corner of the page.

## 1.3 Privileges

The user's account name determines the privilege level assigned for the session. Currently, there are 2 privileges supported for the Quick Locate website:

**Manager:**

Each customer is automatically assigned one Manager account. Managers are able to view all data from all their Mobile Units as assigned by Globalstar. Additionally, Managers can create User accounts and assign a subset of their Mobile Units to that user account. By setting up user accounts, each customer can partition their fleet into subsets to better organize their operations. Regardless of the number of User accounts, the Manager account always has access to all Mobile Units. However, each mobile unit can only be assigned to one User account at a time.

A Manager can also optionally create, update or remove their contact information.

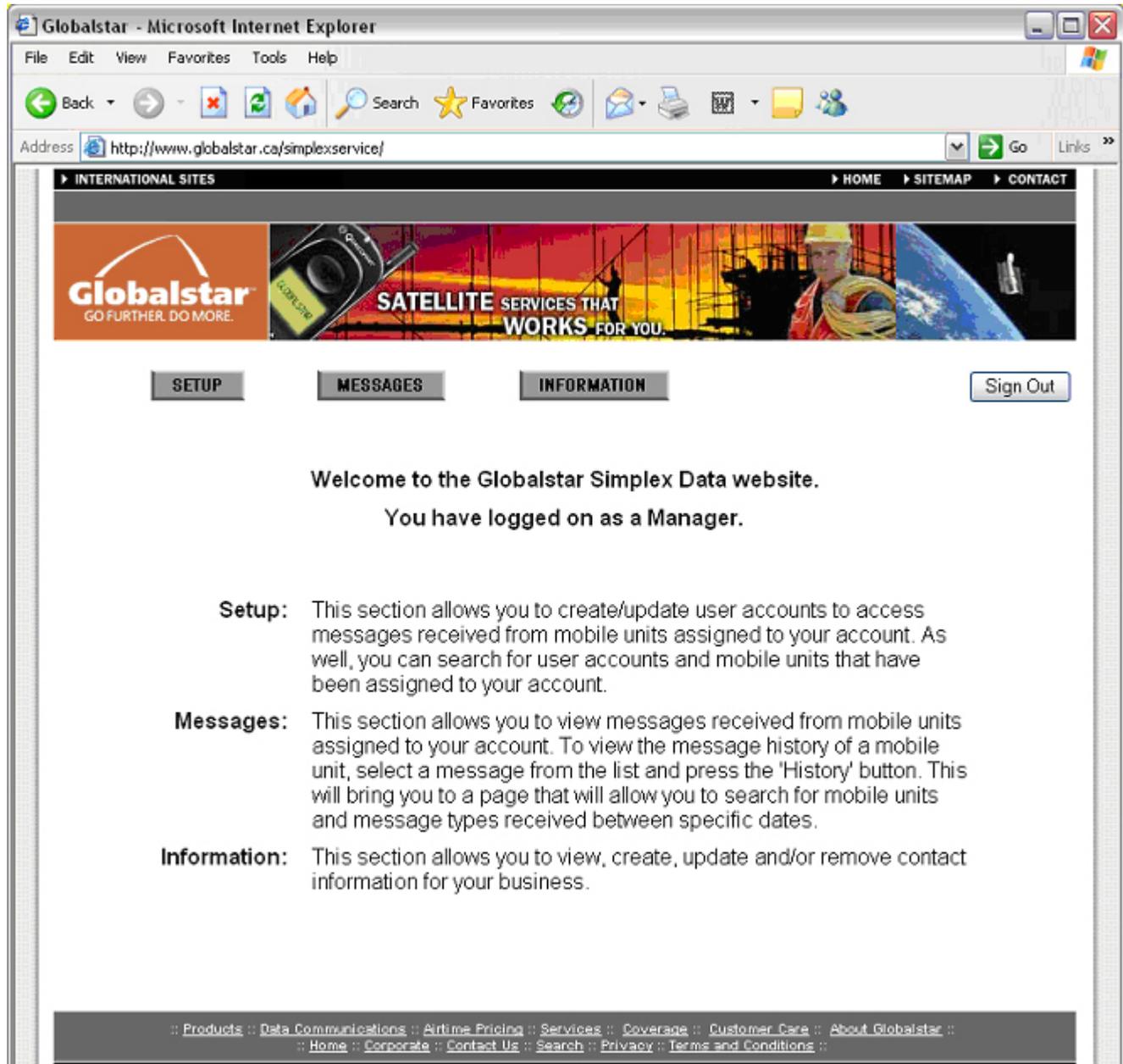
**User:**

A User only has viewing privileges. Each User may only view information from the Mobile Units assigned to them by the Manager. A User can also change the password for their account.

Sections 2 and 3 discuss the interface and features available to Manager and User accounts respectively.

## 2 Manager Site

When a Manager has logged on successfully, the following page is displayed.

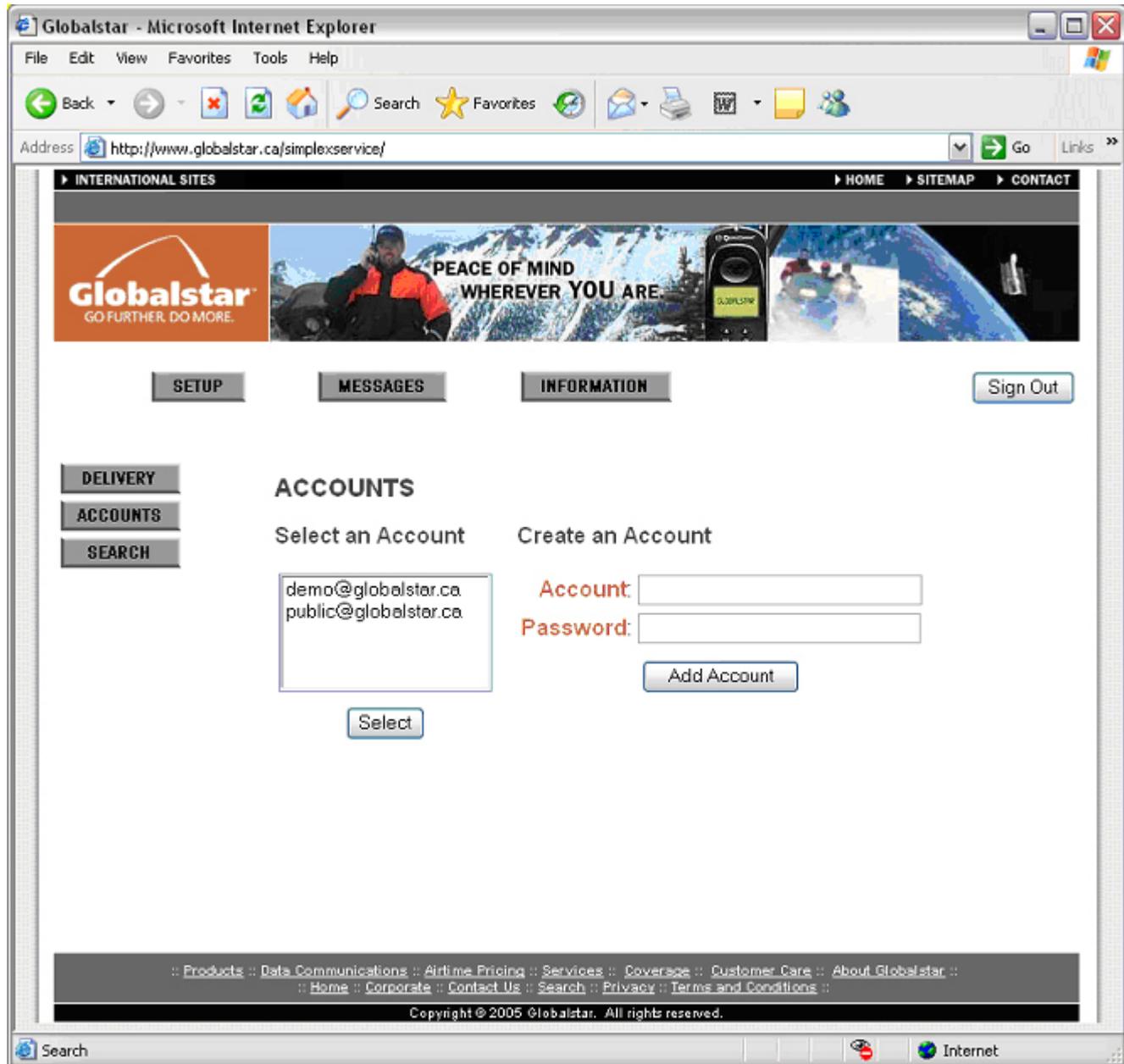


There are 3 buttons at the top of the start page on the Manager site. They are the SETUP, MESSAGES and INFORMATION buttons. An explanation of what each button represents is provided on the page.

This page is only displayed when the Manager first logs on. When the Manager starts to navigate around the site, he/she will not be able to return to this page.

## 2.1 Setup

When the Manager presses the SETUP button, the following page is displayed.



The Setup pages are used to allow the manager to administer User accounts and change passwords.

There are 3 buttons displayed on the left-hand side of the page that allow the Manager to perform functions on the system:

### Delivery

The DELIVERY button provides a page that allows the Manager to add delivery information (i.e. ftp address, email address, etc) with respect to downloading messages from this system.

**Accounts**

When the SETUP button is pressed the first screen shown is the Accounts page. This screen is also accessed by pressing the ACCOUNTS button. This form lets you create new User accounts or modify existing User accounts.

**Search**

SEARCH allows the Manager to view the user accounts he has set up, view the Mobile Units assigned to each user account, and make changes to those assignments.

The following sections give detailed instructions for using the DELIVERY, ACCOUNTS and SEARCH functions.

**2.1.1 Delivery**

Delivery supports real time message forwarding from the Quick Locate server to a customer's website or cell phone. This option is only available to premium users of the simplexservice.com site. To become a premium user, contact the following Globalstar approved simplex service reseller.

**Blue Oceans Satellite Systems Inc.**

220 Prince Philip Drive, 3rd Floor  
St. John's, NF A1B 3X5  
Canada

Phone: 709-737-6128

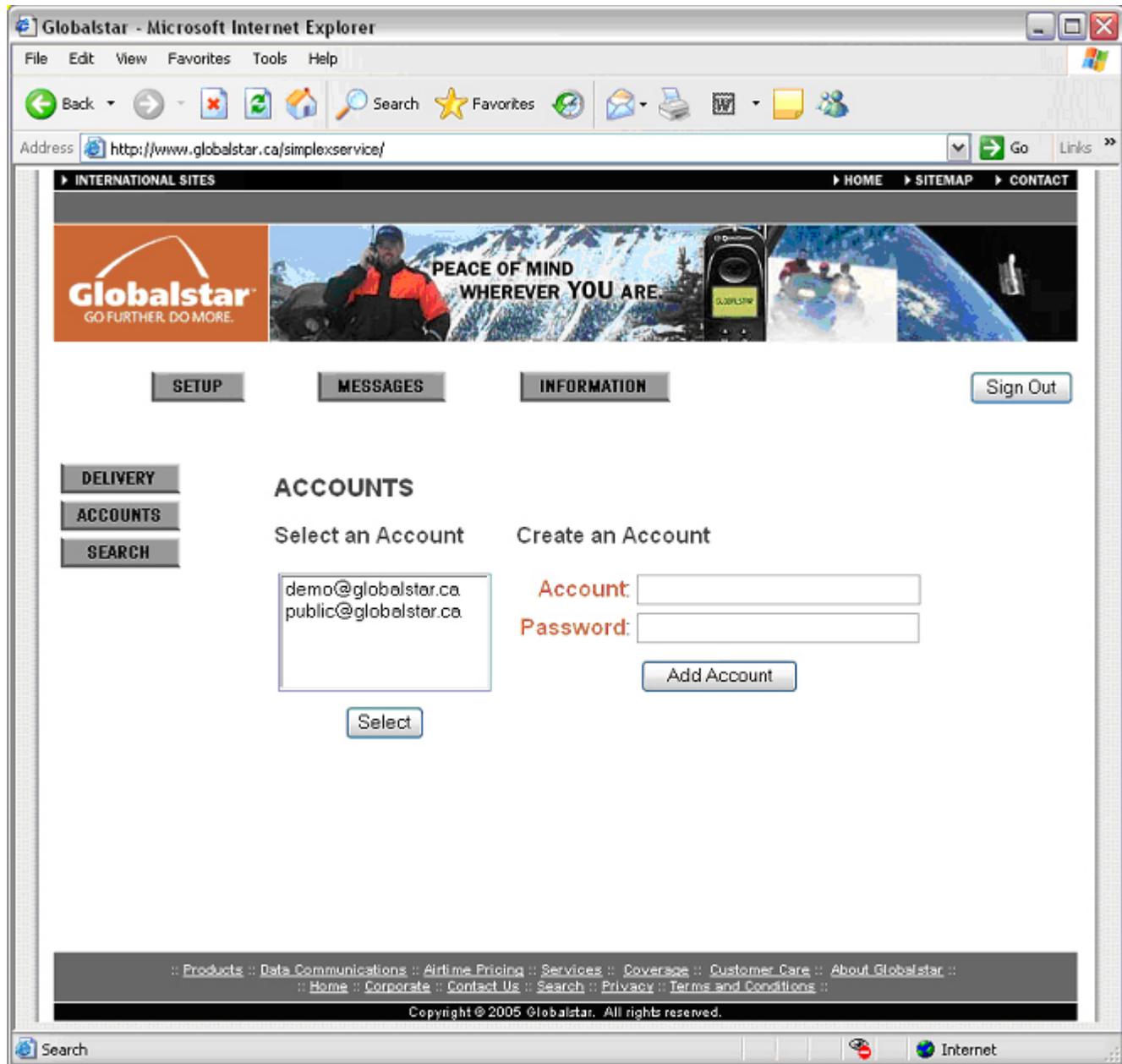
Toll-free: 888-BLUE-SYS (258-3797)

Facsimile: 709-737-2539

Email: [inquiries@blueoceans.ca](mailto:inquiries@blueoceans.ca)

## 2.1.2 Accounts

When the Manager presses the ACCOUNTS button, the following page is displayed.



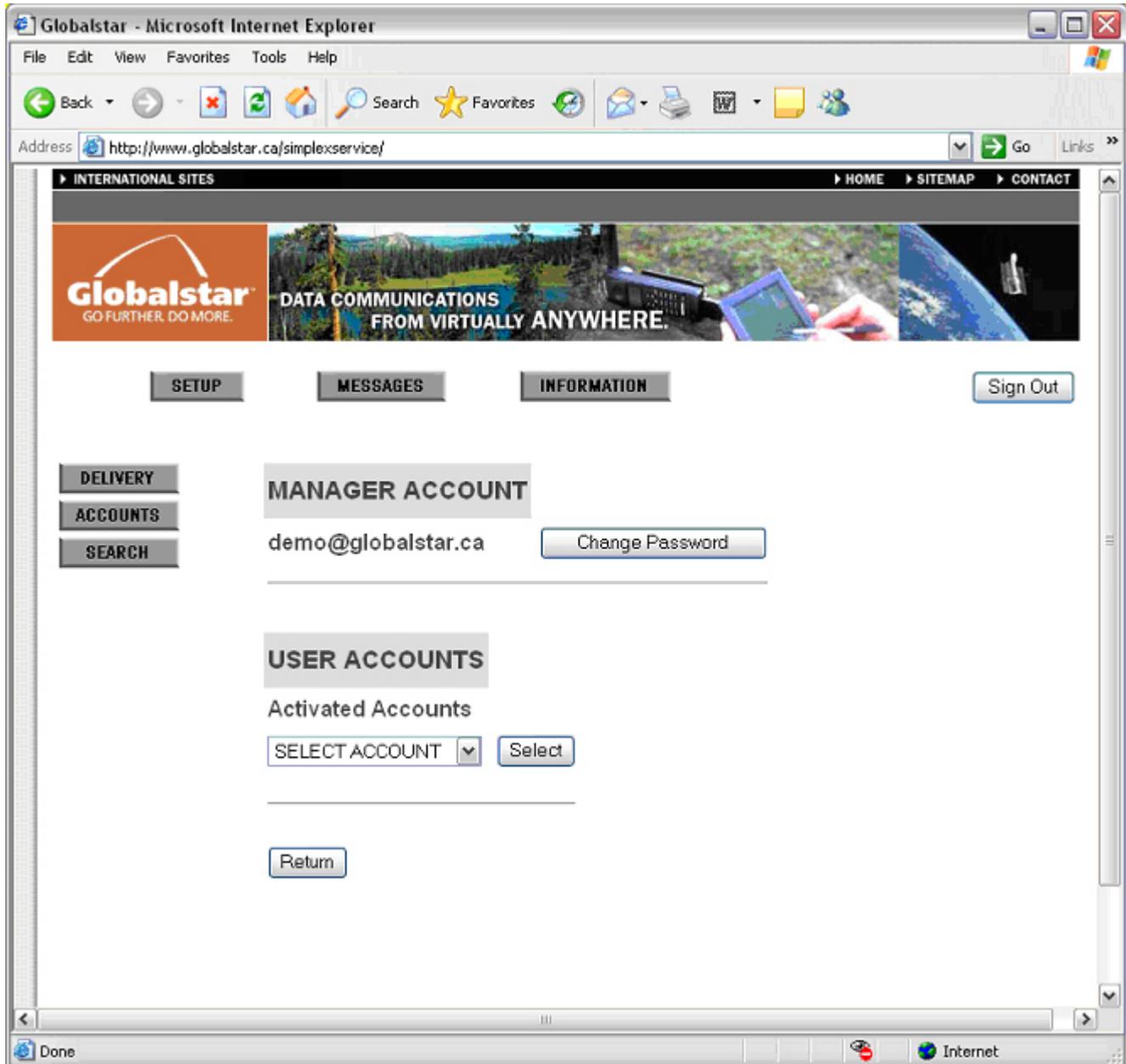
On the Accounts page, the Manager has the following options:

- Select an Account:
  - o The Manager can modify his/her own account or a user account by selecting an account from the list provided and pressing the SELECT button.
- Create an Account:

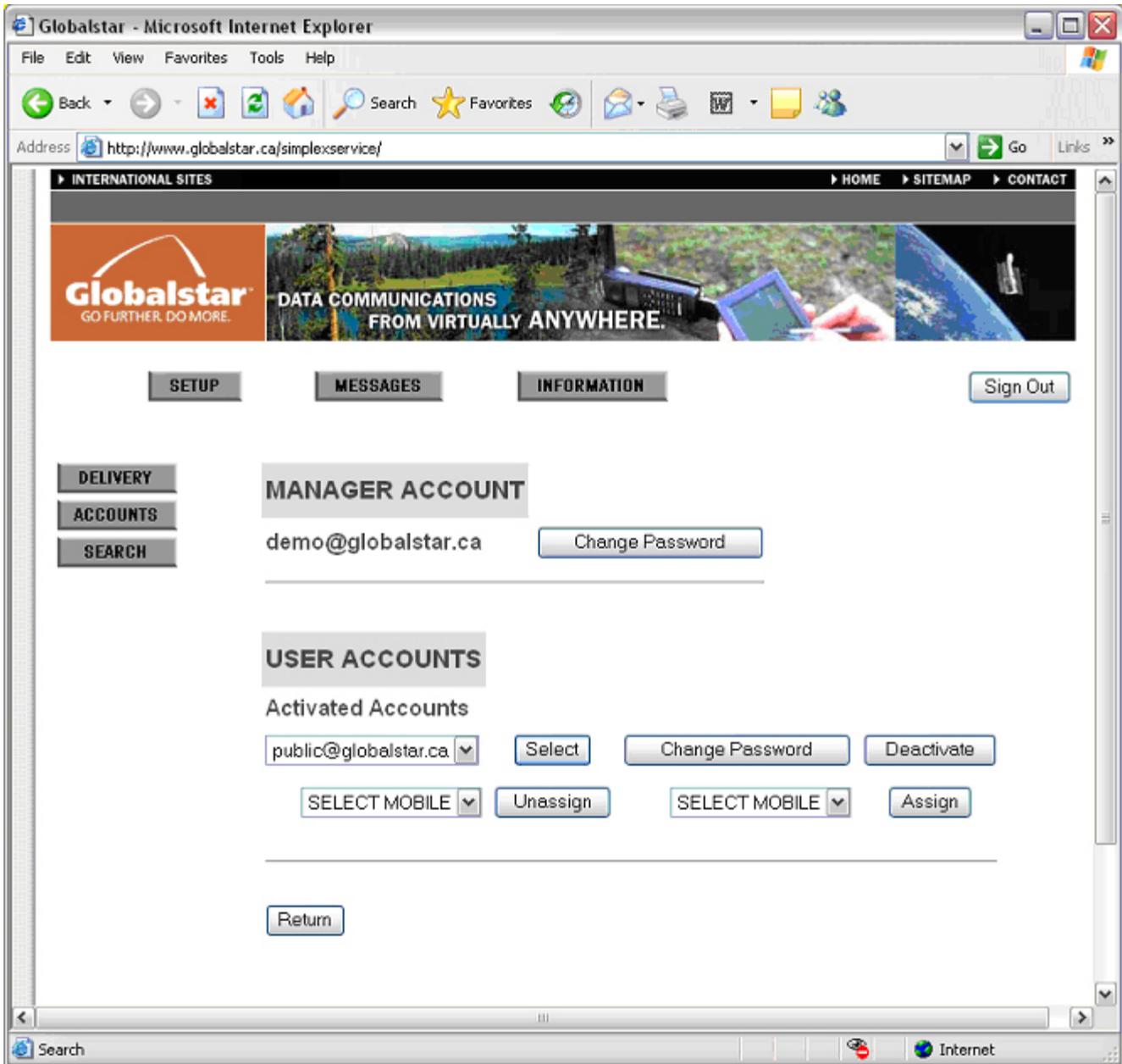
- The Manager can create a new user (user account) by entering data into the fields provided. The Email \* and Password \* fields require data.

*\* Validation is performed on these fields. Emails must be entered as sometext@sometext.text, and Passwords must be longer than 5 characters and can be alphanumeric. Special characters (underscores, slashes, hyphens, etc) are not permitted in passwords.*

- A. If the Manager selects his/her own account from the list and presses the SELECT button, the following page is displayed:



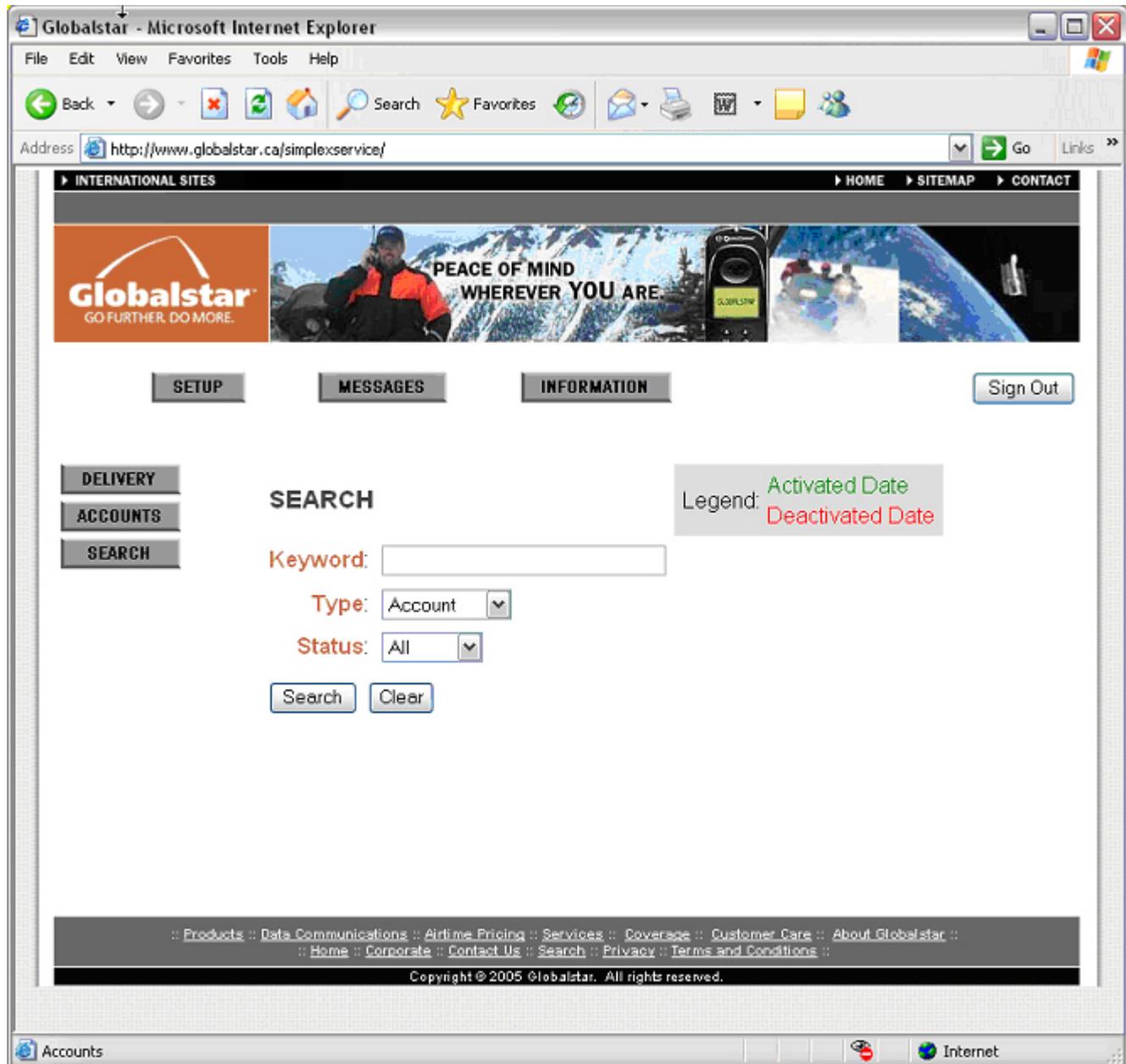
This page allows the Manager to either edit his/her own password or edit active User accounts that he/she added to the system. Choosing a User account and pressing on the SELECT button to the right of the Activated Accounts list will display the following page.



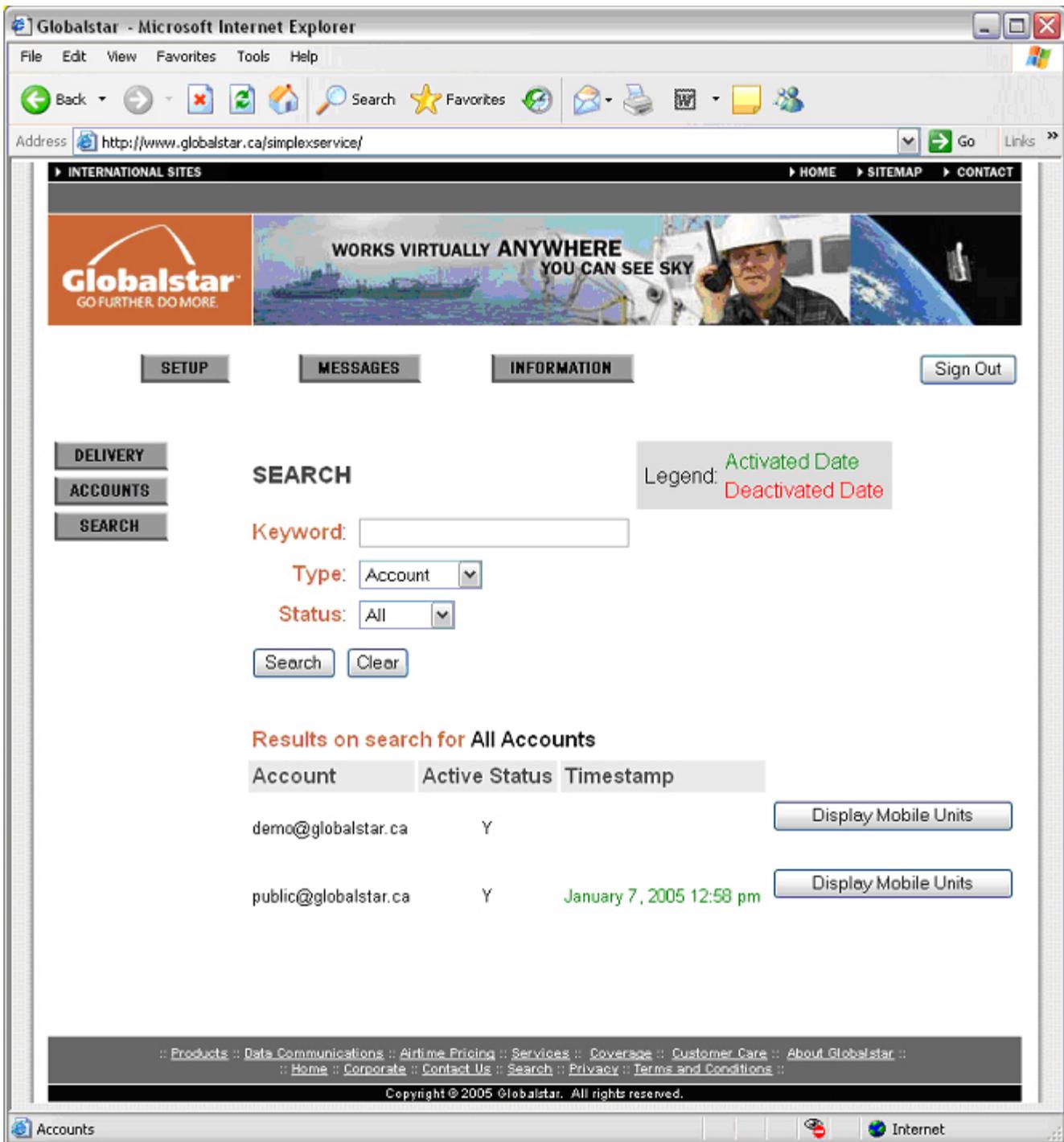
As shown above, the displayed page allows the Manager to edit the User's password, deactivate the account entirely, or assign/un-assign Mobile Units to the user account.

### 2.1.3 Search

If the Manager presses on the SEARCH button, the following page is displayed.



The Manager can search for user accounts added to the system by him/her or search for Mobile Units that are assigned to the account. The Manager can search for accounts/Mobile Units that are activated (active), deactivated (inactive) or both. The Manager can also type in a keyword to narrow the search. Pressing the SEARCH button below the Status label will display the results at the bottom of the page.



Globalstar - Microsoft Internet Explorer

Address: <http://www.globalstar.ca/simplexservice/>

INTERNATIONAL SITES | HOME | SITMAP | CONTACT

**Globalstar**  
GO FURTHER. DO MORE.

WORKS VIRTUALLY ANYWHERE  
YOU CAN SEE SKY

SETUP | MESSAGES | INFORMATION | Sign Out

DELIVERY | ACCOUNTS | SEARCH

**SEARCH**

Legend: Activated Date  
Deactivated Date

Keyword:

Type: Account

Status: All

Search Clear

**Results on search for All Accounts**

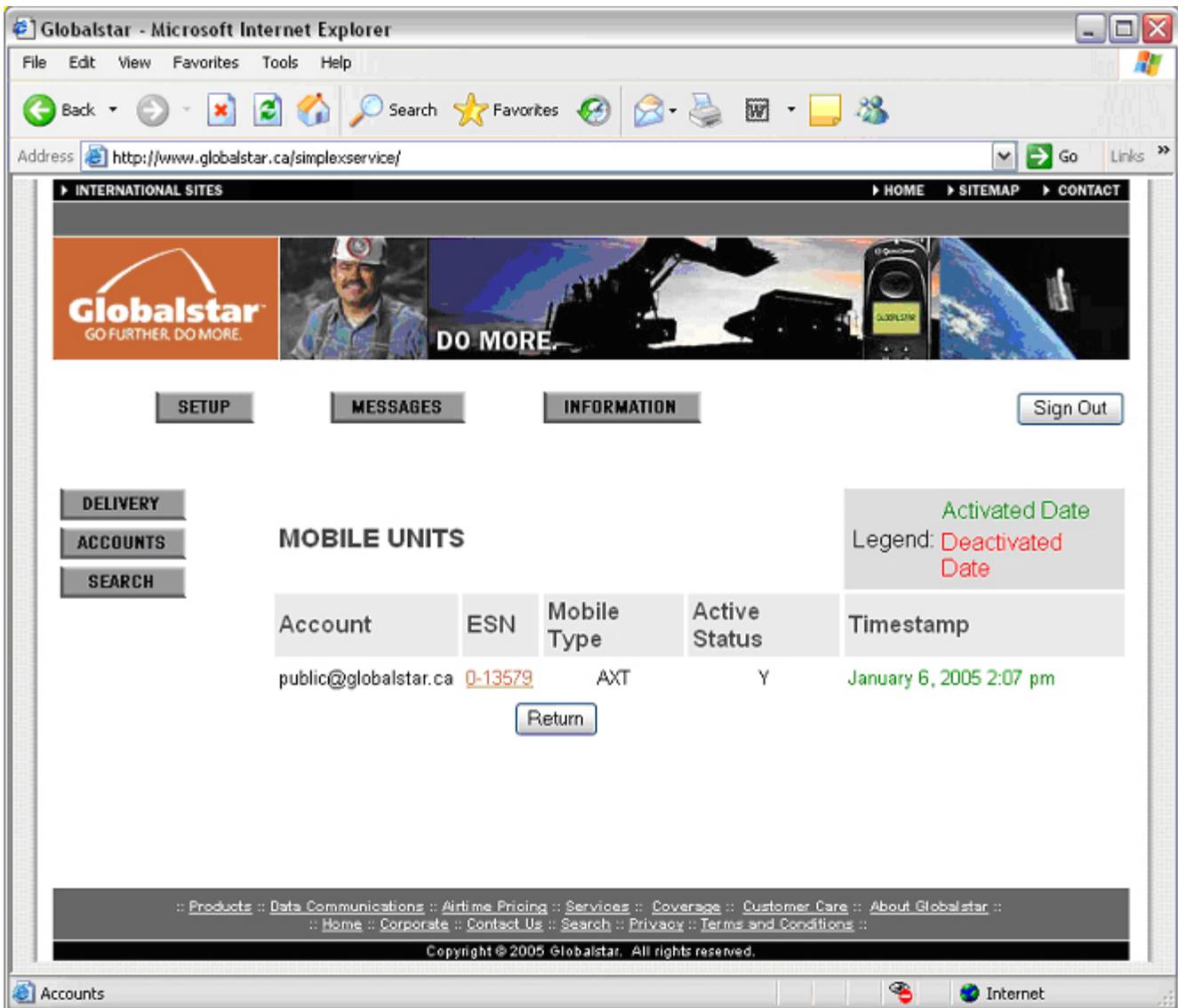
Account	Active Status	Timestamp
demo@globalstar.ca	Y	
public@globalstar.ca	Y	January 7, 2005 12:58 pm

Display Mobile Units (button for each row)

Products :: Data Communications :: Airtime Pricing :: Services :: Coverage :: Customer Care :: About Globalstar ::  
Home :: Corporate :: Contact Us :: Search :: Privacy :: Terms and Conditions ::

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If the Manager decides to do a search on Account, the results will display the User accounts that the Manager added to the system (either activated or deactivated, depending on the search criteria). Activated User accounts will have a DISPLAY MOBILE UNITS button is enabled at the end of each row in the list. Pressing the DISPLAY MOBILE UNITS button will list the number of Mobile Units assigned to the User as shown:

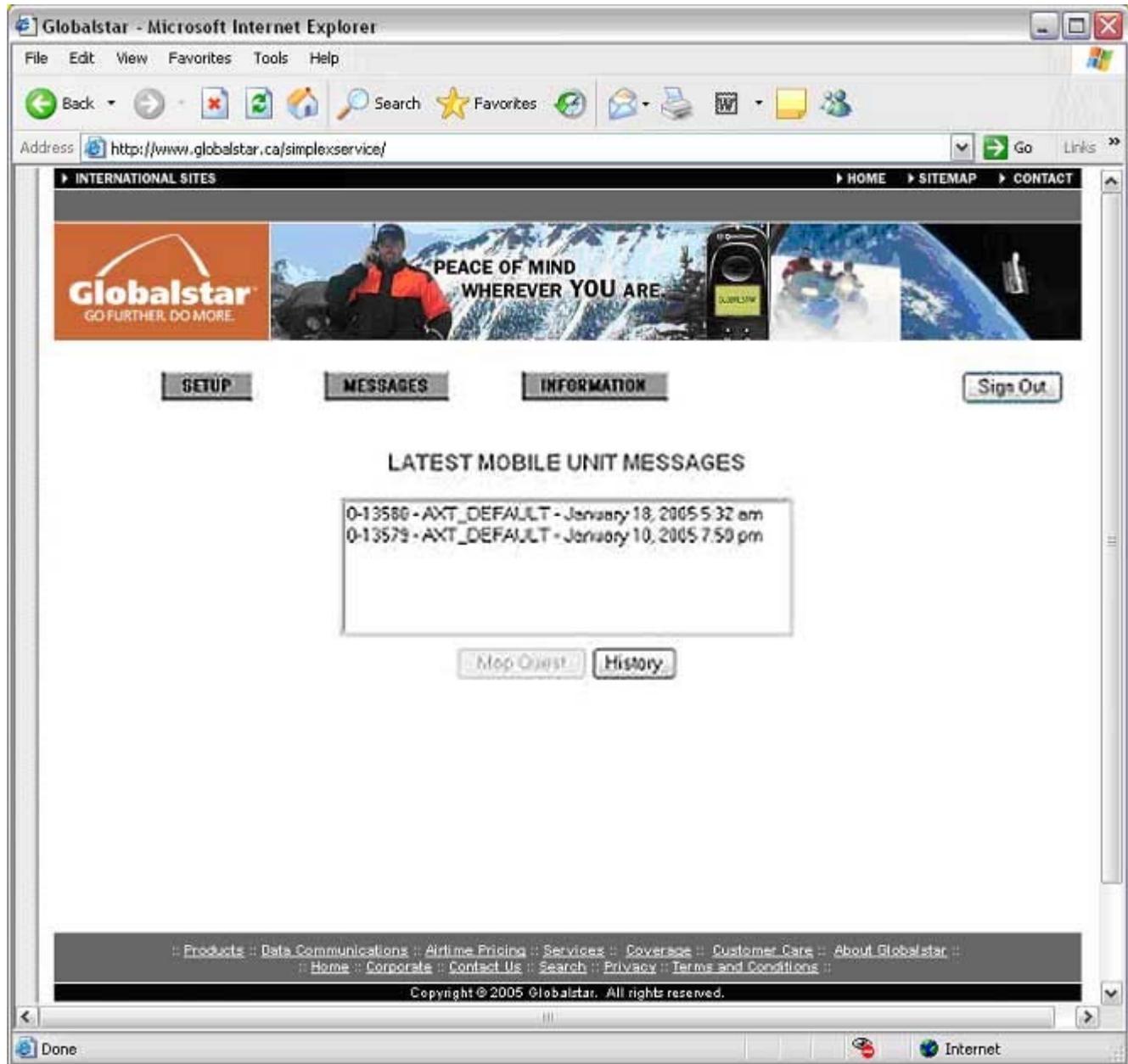


The page will display the list of Mobile Units assigned to the user account selected from the previous page. Clicking on the hyper-linked ESN value will take the Manager to the Message History section of the website which will be explained in section 3.2.

- *When searching on Mobile Units, the results will be displayed on the page as it is shown in the image above. The difference is that the Account column is not shown.*

## 2.2 Messages

When the Manager clicks on the MESSAGES button, the following page is displayed.

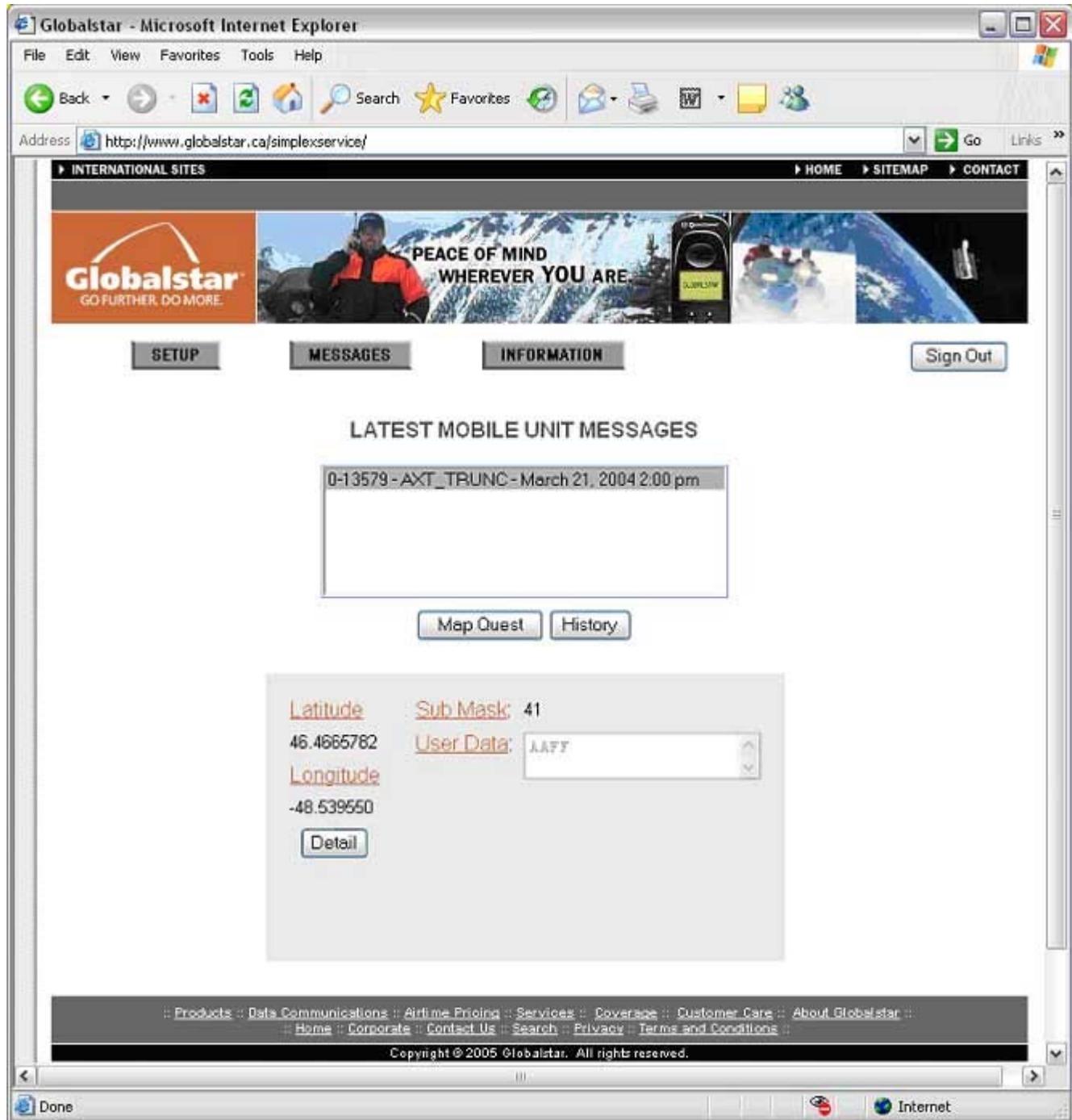


The page displays a list that shows the most recent message received from each mobile unit. There are 2 buttons displayed under the list;

- Map Quest
  - o The MAP QUEST button is only enabled for AXT\_DEFAULT and AXT\_TRUNC message types. The MAP QUEST button opens a new browser window to [www.mapquest.com](http://www.mapquest.com) and passes parameters to the site so the Manager can determine exactly where the mobile unit was positioned at the time the message was sent.

- History
  - o The HISTORY button displays a page that allows the Manager to view a mobile unit's message history.

The following page is displayed when a Manager selects a message from the list.



The DETAIL button is only shown in AXT\_DEFAULT and AXT\_TRUNC message types. This button displays the closest pre-determined location to the mobile unit (in kilometers) at the time the message was sent.



The message types are PROVISIONING, AXT\_SETUP, AXT\_DEFAULT, AXT\_RAW, AXT\_STATS and AXT\_TRUNC. Details on these message types can be found in Appendix A.

### PROVISIONING

This message is sent from the Globalstar Gateway to confirm the Gateway has been set up to accept messages from the mobile unit. Its contents contain the transmission parameters that it expects the mobile unit to contain; it is a good idea to check this message against the AXT\_SETUP message to make sure the mobile unit and Gateway are properly configured; if they are not you could receive duplicate messages.

### AXT\_SETUP

This message is sent once from the mobile unit when it is first programmed and activated. It contains the transmission parameters it has been programmed with.

### AXT\_DEFAULT

This is the most common message, and contains the current position and alarm status of the mobile unit among other things.

### AXT\_RAW

This message contains raw user data sent from an external device attached to the mobile unit.

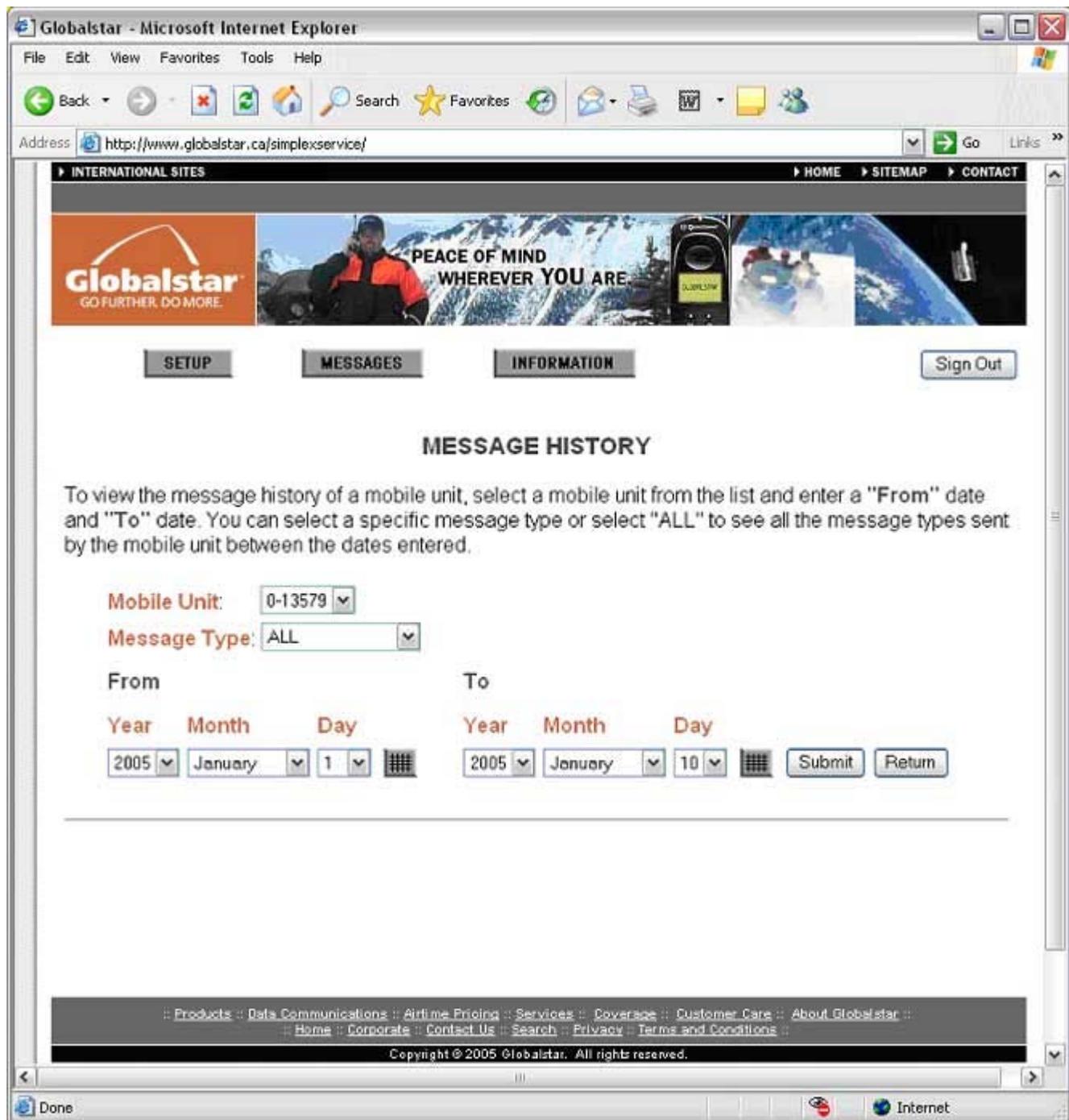
### AXT\_TRUNC

This message provides a 'truncated' version of the DEFAULT message (the time, latitude and longitude only). The rest of the message is dedicated to user data.

### AXT\_STATS

The Statistics message provides performance data on the mobile unit's behavior, and can be used with other messages to determine the overall performance of the mobile unit in the system. One of the most important fields in this message is the BATTERY indicator; this field can be used to determine when a mobile unit should have its battery replaced.

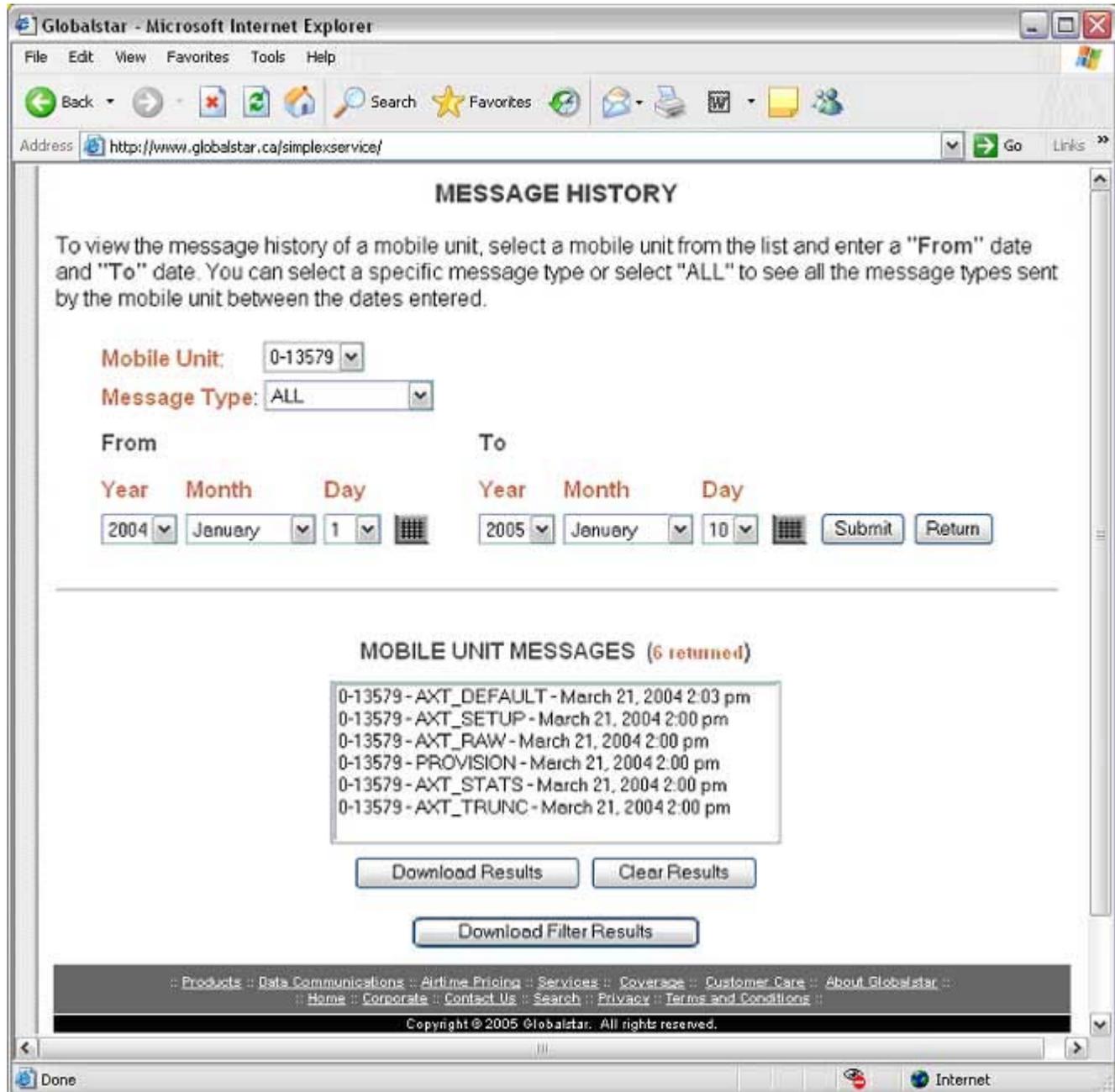
A history of messages sent from a particular mobile unit is available by pressing the HISTORY button on the screen shown above. The following screen is then displayed:



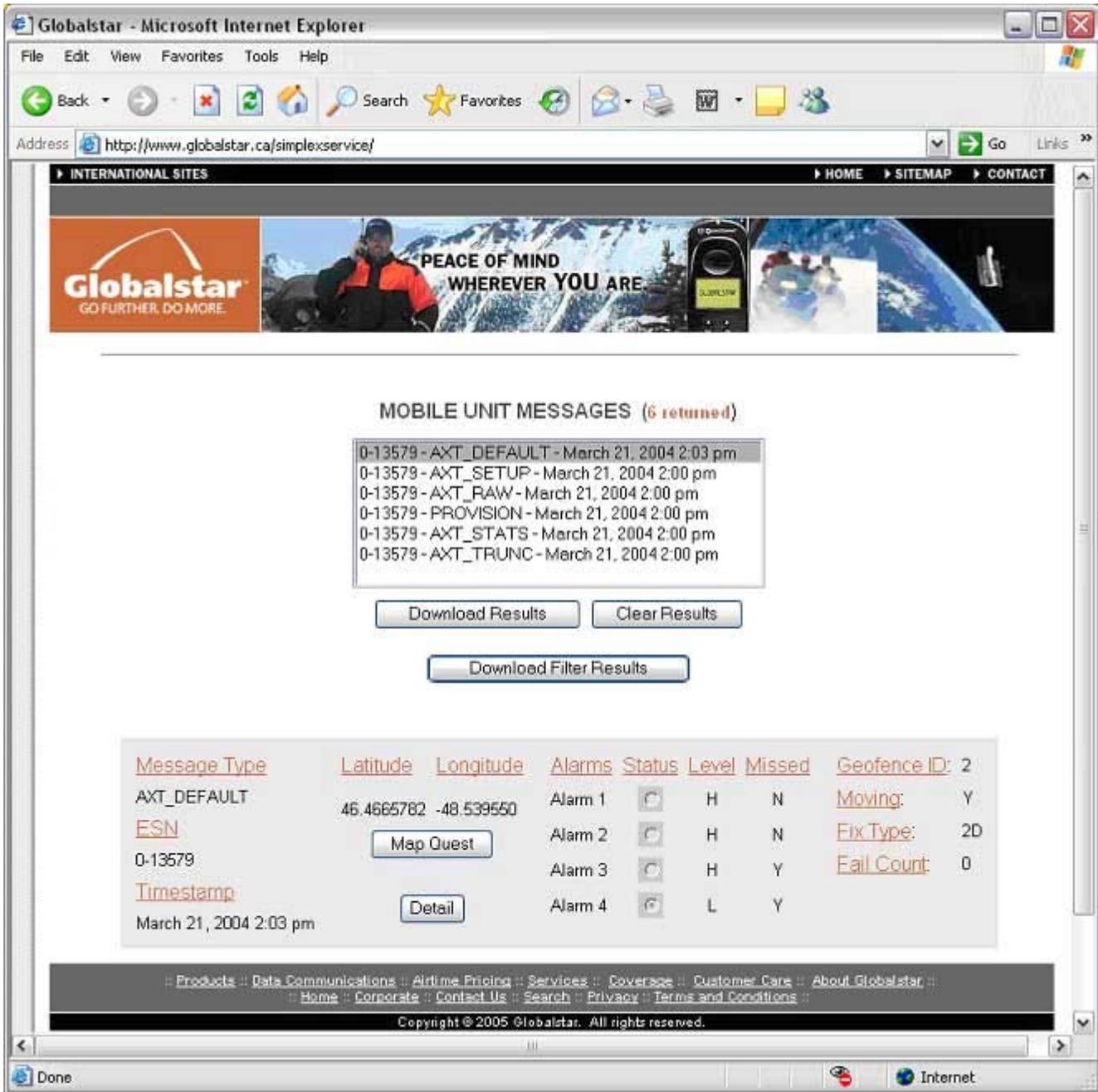
On this page, the Manager can select a mobile unit from the list provided and then select a message type (default is ALL MESSAGES). The Manager is then expected to select a "From" date and a "To" date. Pressing on the SUBMIT button will retrieve all the messages from the mobile unit selected sent between (and including) the "From" date and "To" date.

- Each date section ("From" and "To" dates) has a calendar button. Pressing on this button allows the Manager to select a date from the calendar to enter into its assigned date section.

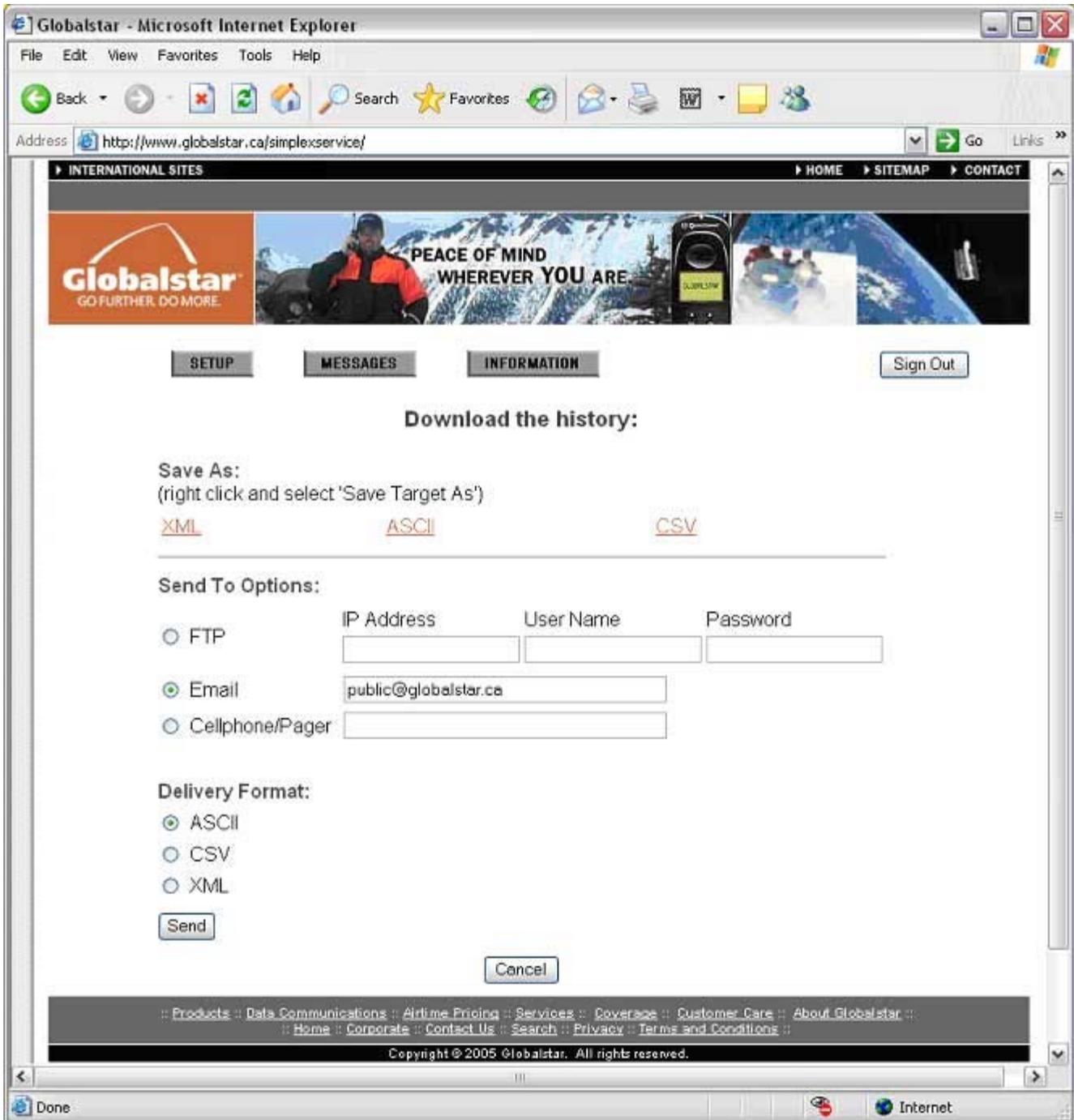
The messages are displayed at the bottom of the page in a listbox and are ordered from the most recently received message downwards. A count of all the messages received between (and including) the "From" date and "To" date is included and is displayed at the top of the list (see image on next page)



Selecting a message from the list will display the message's details.



AXT\_DEFAULT and AXT\_TRUNC message types will have a MAPQUEST button and a DETAIL button in their message details.



The DOWNLOAD RESULTS button at the bottom of the list allows you to save the mobile unit messages directly to your PC.

The user can right click\* with his/her mouse on one of the file format links at the top of the page (i.e. XML, ASCII or CSV) and saving the results of the search in either of those formats in a file on their system.

*\* In the pop up menu that appears on the right click of the mouse, click on "Save Link As"*

Optionally, the user can enter either an FTP address, email address or cellphone/pager address and select a file format type (i.e. XML, ASCII, or CSV) in which to send the results of the message history search.

The following is a short description of the file types:

### ASCII

This is the best format to download for casual browsing. All fields have titles and the file is easily human-readable.

### CSV

A Comma-Separated Values (CSV) format is ideal for import to a spreadsheet or similar program.

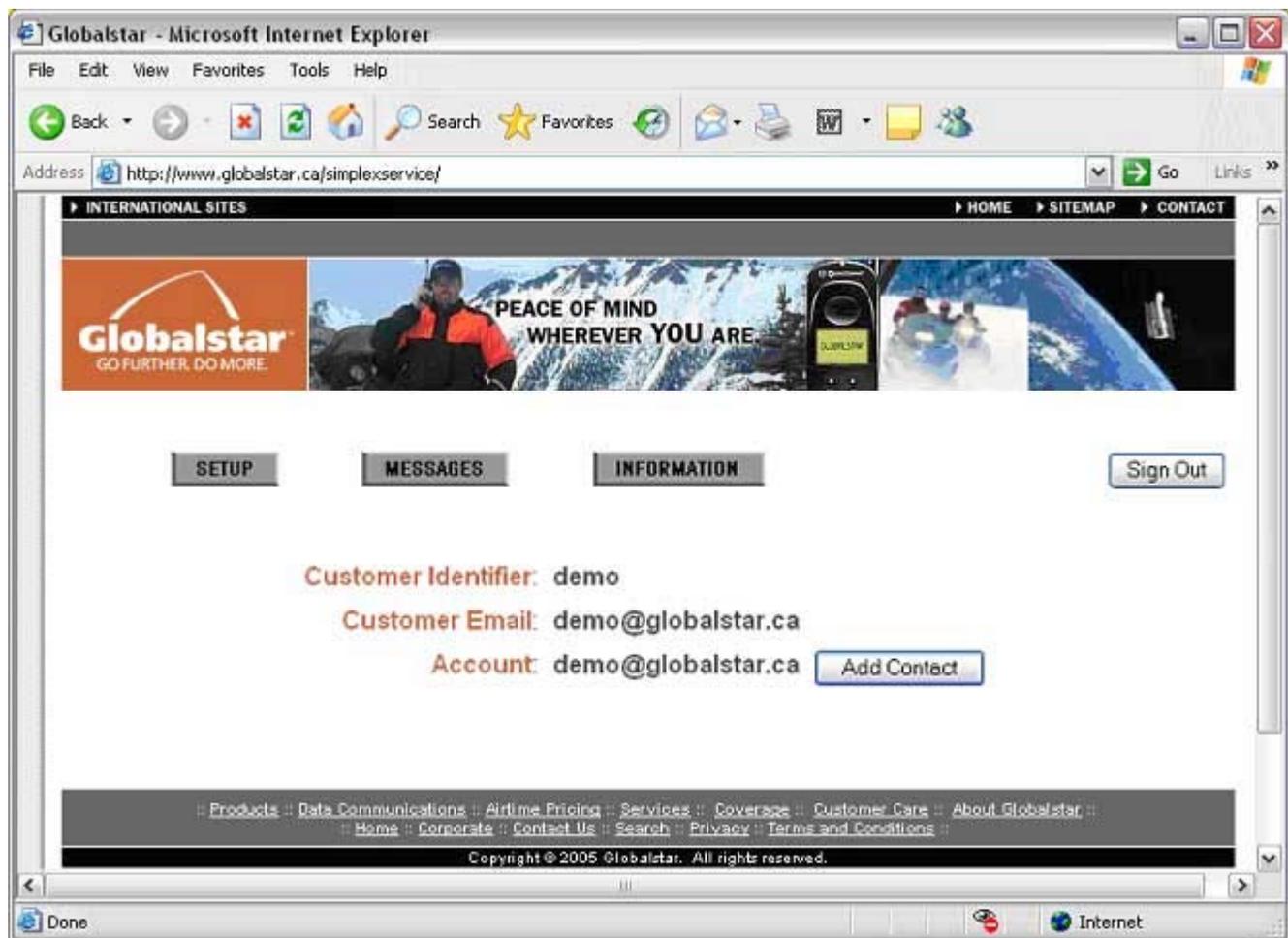
### XML

The eXtensible Markup Language (XML) format is primarily designed to integrate with other office systems.

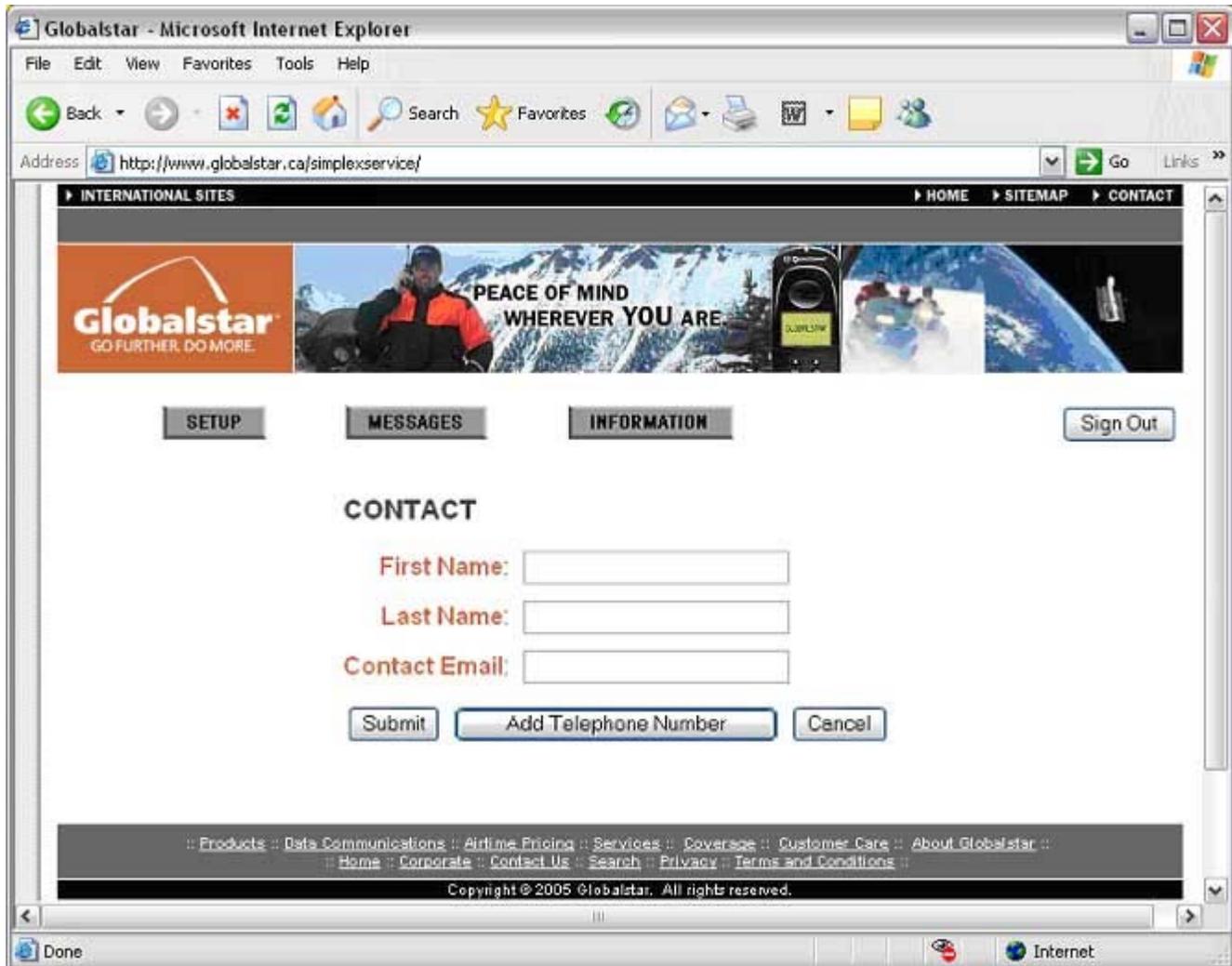
## 2.3 Information.

The Information section is used for adding contact information to the system. Contact information can only be added to the system by a Manager, but can also be viewed by those users that he/she created accounts for.

When the Manager presses on the INFORMATION button, the following page is displayed.



A) When the Manager presses the ADD CONTACT button, the following page is displayed (see image on next page).



All fields require data when adding a new contact and validation is performed on the Contact Email field to make sure the syntax of the email address entered is appropriate (i.e. abc@def.com).

If the Manager presses the SUBMIT button, the contact information will be saved in the system if it is entered correctly. Alert messages will be displayed on the page if data is not entered or entered improperly.

If the Manager presses the ADD TELEPHONE NUMBER button, a page will be displayed that will allow the Manager to enter in a telephone number for the contact person he/she created. All the fields require data when entering a telephone number except for Extension \*. Validation is performed on the Area Code and Telephone fields to make sure that the telephone number entered into the system is a valid one (i.e. 123 456-7890 or 123 456 7890).

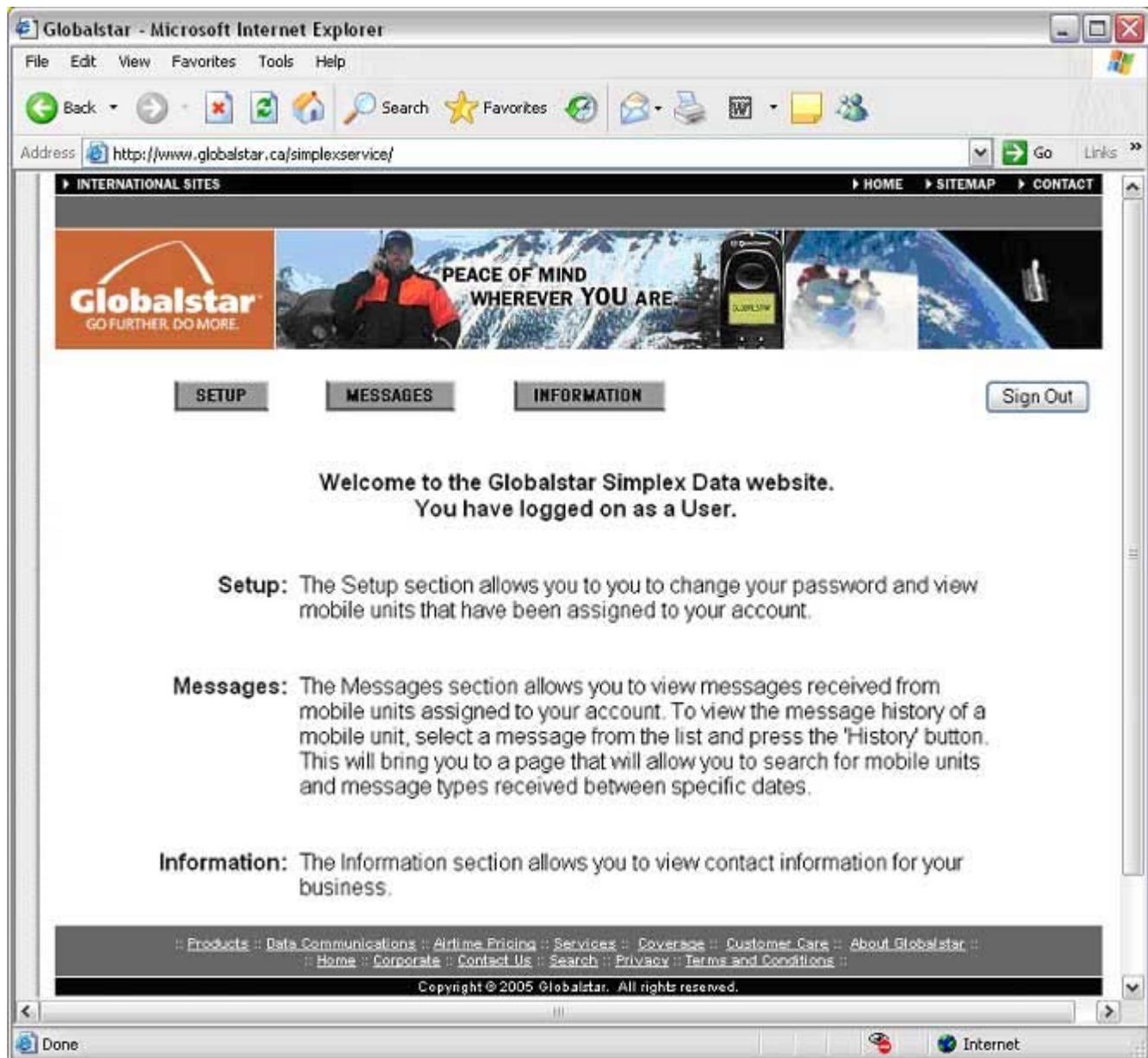
- *If an Extension number is entered, validation is performed on that field to make sure that the number entered is a valid one.*

The rules for adding a telephone number apply to editing a telephone number. All fields require data except for the Extension field. If an Extension number is entered, validation is performed on that field to make sure that the number entered is a valid one.

Clicking on the Delete link will remove the telephone number from the system.

D) If the Manager presses the DELETE button, the contact person selected from the list is removed from the system as are any telephone numbers associated with him/her.

### 3 User Site

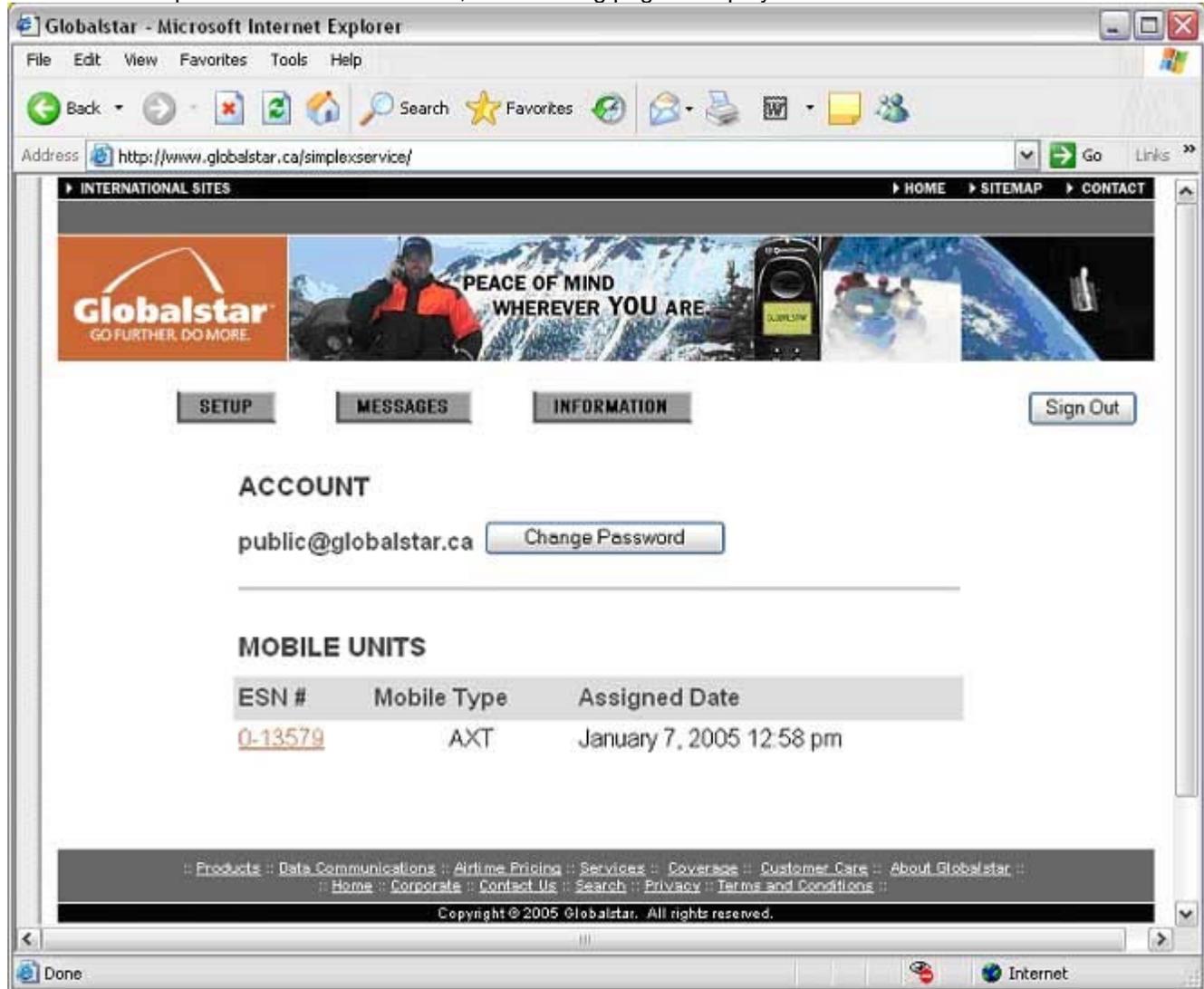


There are 3 buttons at the top of the start page on the User site. They are the SETUP, MESSAGES and INFORMATION buttons. An explanation of what each button represents is provided on the page.

This page is only displayed when the User first logs on. When the User starts to navigate around the site, he/she will not be able to return to this page.

### Setup

When the User presses the SETUP button, the following page is displayed.

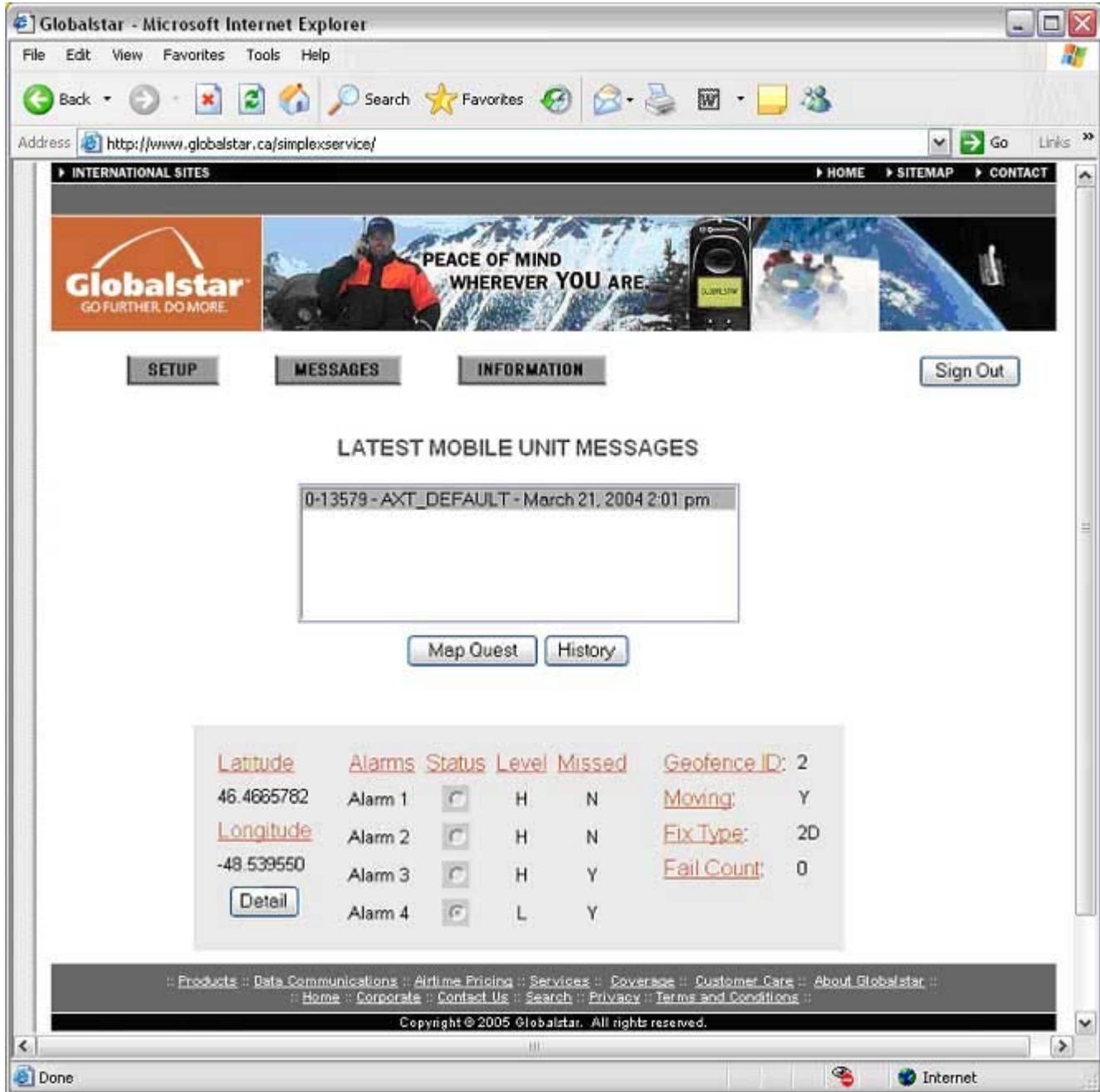


The User can change his/her password by pressing the CHANGE PASSWORD button. Validation is performed on the password field as passwords are expected to be longer than 5 characters longer. Passwords can be alphanumeric and should not contain special characters such as underscores, slashes, hyphens, etc.

The Setup page also displays the Mobile Units assigned to the User. The ESN (Electronic Serial Number), Mobile Type and Assigned Date of the simplex transmitter are shown in the Mobile Units section of the page.

### 3.1 Messages

When the User presses the MESSAGES button, the following page is displayed. Selecting a message from the list box will cause the message contents to automatically appear in the grey box at the bottom of the page:



The page displays a list that shows the most recent message received (sorted by ESN, Message Type and Time) from each mobile unit in the system that has been assigned to the user.

There are 2 buttons displayed under the list:

- Map Quest
  - o The MAP QUEST button is only enabled for AXT\_DEFAULT and AXT\_TRUNC message types. The MAP QUEST button opens a new browser window to [www.mapquest.com](http://www.mapquest.com) and passes parameters to the site so the Manager can determine exactly where the mobile unit was positioned at the time the message was sent.
  
- History
  - o The HISTORY button displays a page that allows the Manager to view a mobile unit's message history.

The DETAIL button is only shown in AXT\_DEFAULT and AXT\_TRUNC message types. This button displays the closest pre-determined location to the mobile unit (in kilometers) at the time the message was sent.

Details on the message types can be found in Appendix A; a brief summary follows:

### PROVISIONING

This message is sent from the Globalstar Gateway to confirm the Gateway has been set up to accept messages from the mobile unit. Its contents contain the transmission parameters that it expects the mobile unit to contain; it is a good idea to check this message against the AXT\_SETUP message to make sure the mobile unit and Gateway are properly configured; if they are not you could receive duplicate messages.

### AXT\_SETUP

This message is sent once from the mobile unit when it is first programmed and activated. It contains the transmission parameters it has been programmed with.

### AXT\_DEFAULT

This is the most common message, and contains the current position and alarm status of the mobile unit among other things.

### AXT\_RAW

This message contains raw user data sent from an external device attached to the mobile unit.

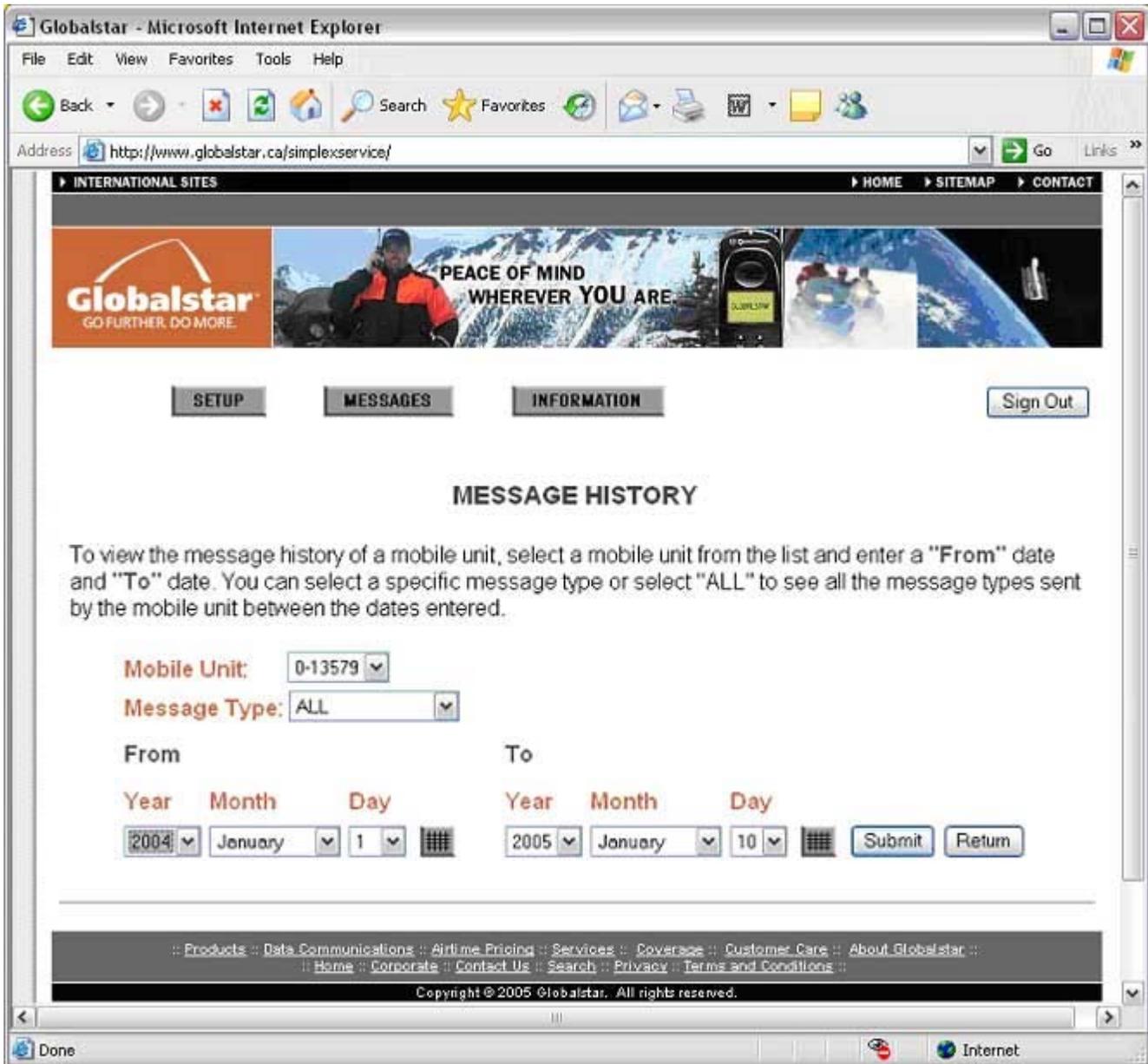
### AXT\_TRUNC

This message provides a 'truncated' version of the DEFAULT message (the time, latitude and longitude only). The rest of the message is dedicated to user data.

### AXT\_STATS

The Statistics message provides performance data on the mobile unit's behavior, and can be used with other messages to determine the overall performance of the mobile unit in the system. One of the most important fields in this message is the BATTERY indicator; this field can be used to determine when a mobile unit should have its battery replaced.

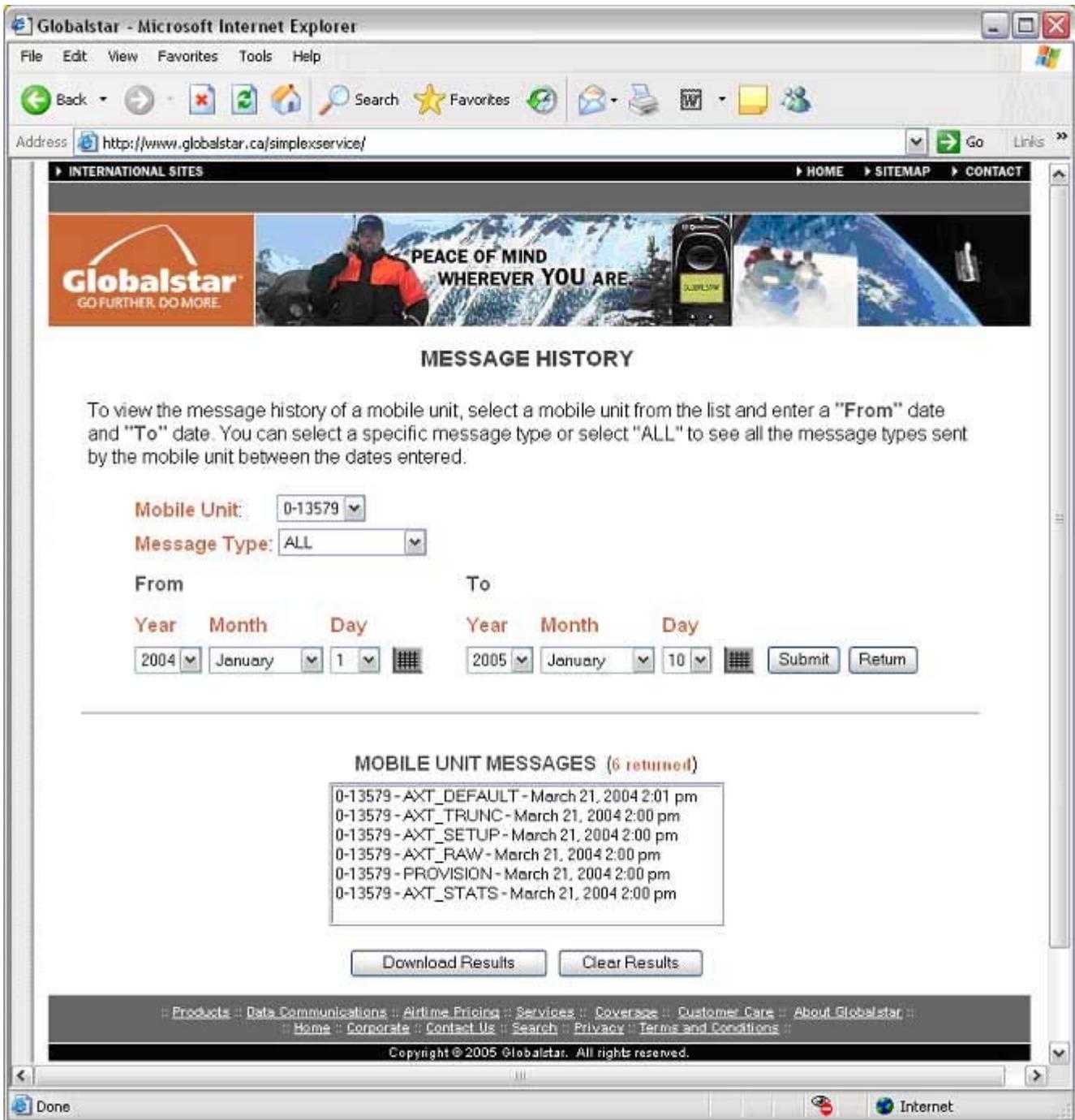
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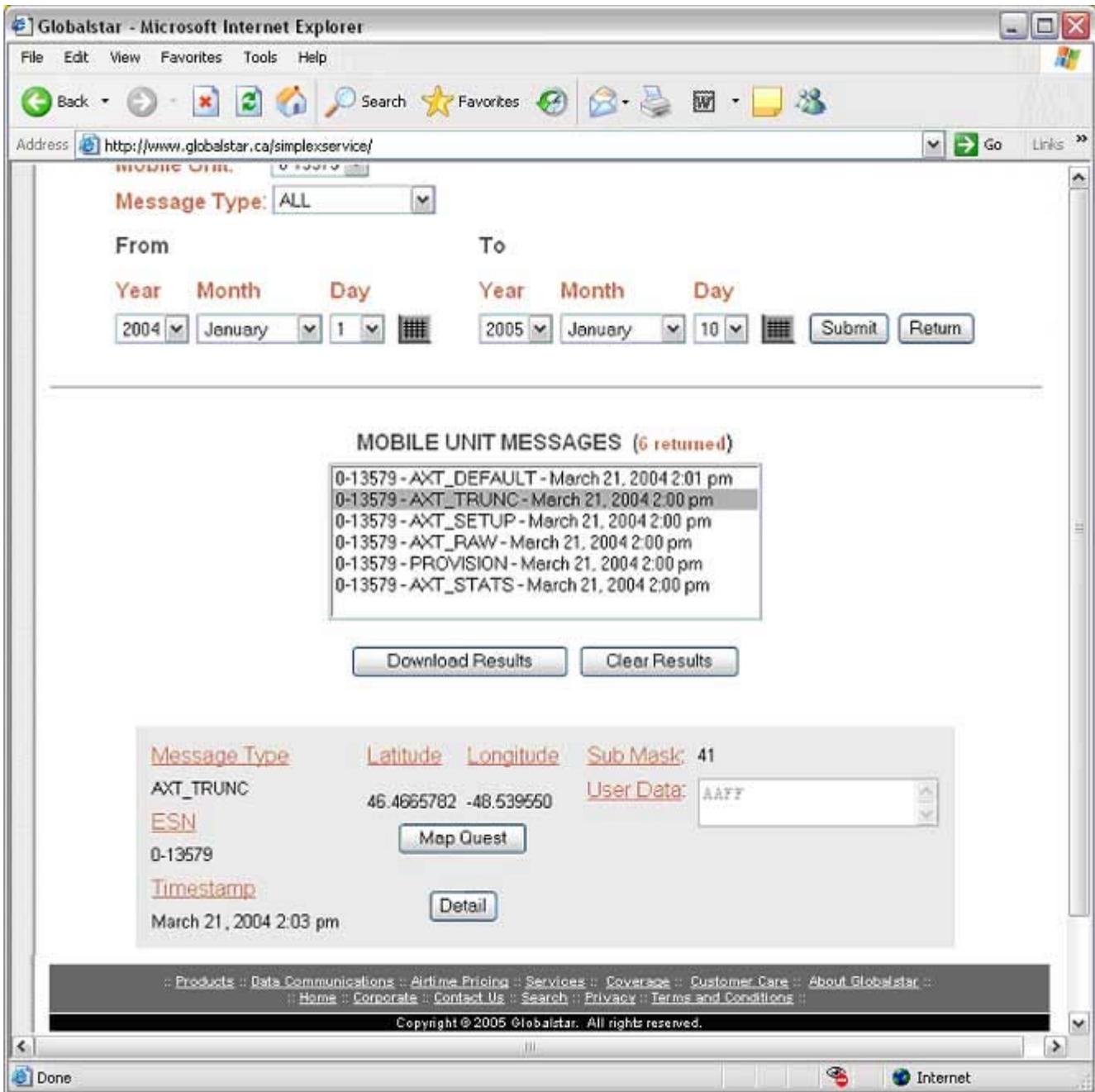
On this page, the user can select a mobile unit from the list provided and then select a message type (default is ALL MESSAGES). The user is then expected to select a "From" date and a "To" date. Pressing on the SUBMIT button will retrieve all the messages from the mobile unit selected sent between (and including) the "From" date and "To" date.

- *Each date section ("From" and "To" dates) has a calendar button. Pressing on this button allows the User to select a date from the calendar to enter into it's assigned date section.*

The messages are displayed at the bottom of the page in a listbox and are ordered from the most recently received message downwards. A count of all the messages received between (and including) the "From" date and "To" date is included and is displayed at the top of the list.

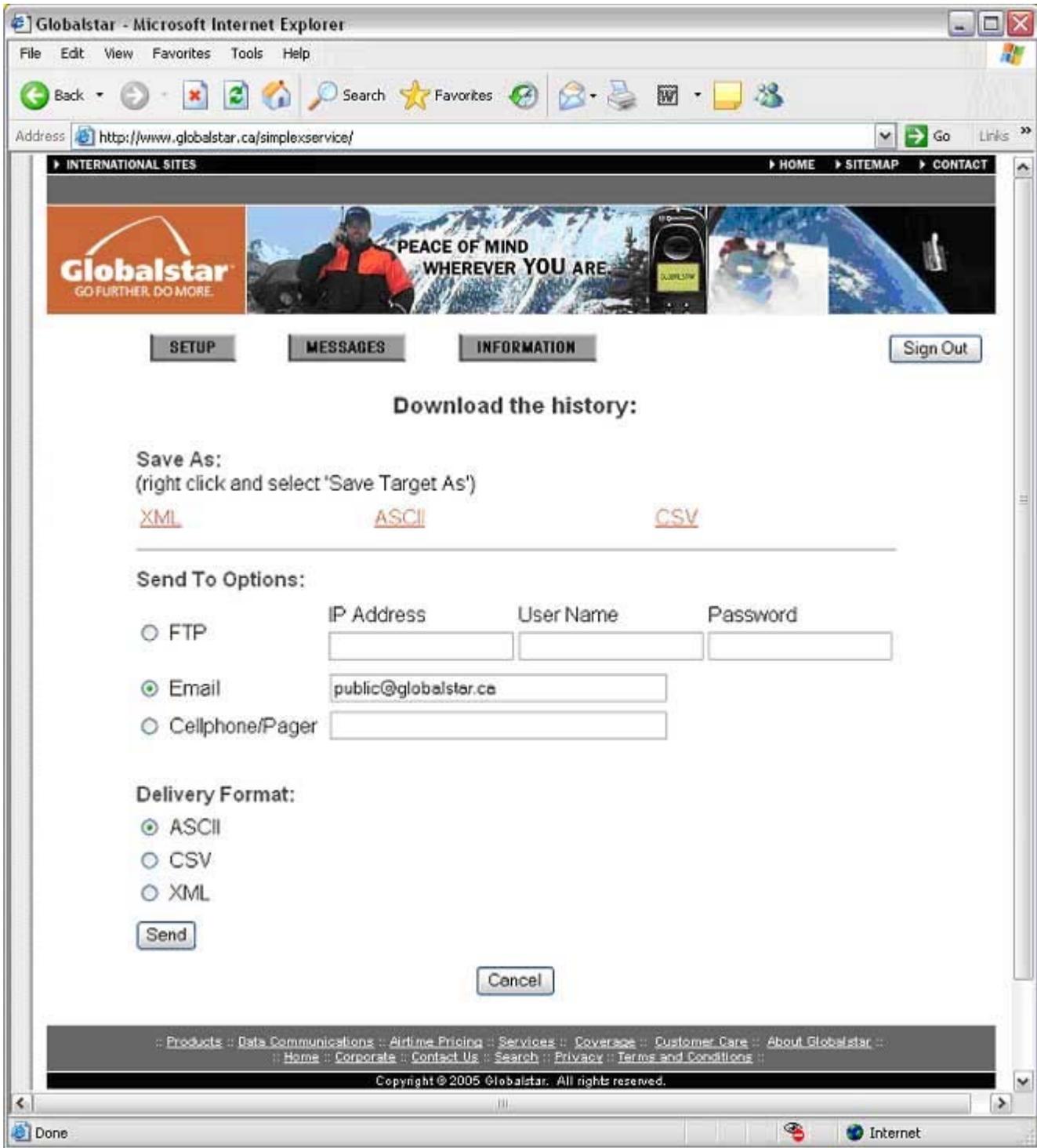


Selecting a message from the list will display the message's details.



AXT\_DEFAULT and AXT\_TRUNC message types will have a MAPQUEST button and a DETAIL button in their message details.

There is a DOWNLOAD RESULTS button at the bottom of the list. When the user presses this button, the following page is displayed.



The Download Results page allows the user to save the results of the message history search.

The user can right click\* with his/her mouse on one of the file format links at the top of the page (i.e. XML, ASCII or CSV) and save the results of the search in either of those formats in a file on their system.

*\* In the pop up menu that appears on the right click of the mouse, click on "Save Link As"*

Optionally the user can enter an FTP address, email address or cellphone address and select a file format type (i.e. XML, ASCII, or CSV).

The following is a short description of the file types:

ASCII

This is the best format to download for casual browsing. All fields have titles and the file is easily human-readable.

CSV

A Comma-Separated Values (CSV) format is ideal for import to a spreadsheet or similar program.

XML

The eXtensible Markup Language (XML) format is primarily designed to integrate with other office systems.

### 3.2 Information

When the User presses the INFORMATION button, the user's email address and customer identifier are listed. Also, the user may view contact information as entered by the customer's Manager account (see Section 2.3).

**APPENDIX A**

Message Types

Message Type	PROVISIONING
ESN	Mobile Unit tracking number (i.e. 0-12345)
Timestamp	Unix UTC Time (i.e 1099895400)
Provision ID	Unique Provisioning ID
Start	Reporting start time
End	Reporting end time
Tries	Number of transmitter tries
Minimum Interval	Minimum tries interval (in seconds)
Maximum Interval	Maximum tries interval (in seconds)
RF Channel	Current Radio Frequency Channel (A to D)

Message Type	AXT_SETUP
ESN	Mobile Unit tracking number (i.e. 0-12345)
Timestamp	Unix UTC Time (i.e 1099895400)
RF Channel	Current Radio Frequency Channel (A to D)
Power Level	Either HIGH or LOW
Watch Dog	Mobile Unit reset on watchdog
Retries	Number of transmission attempts
Minimum Retry Interval	Minimum interval for retransmissions (in seconds)
Maximum Retry Interval	Maximum interval for retransmissions (in seconds)
Alarm Method	array - NEG/POS/ANY edge triggered
Alarm GPS	array - YES/NO for GPS fix
GeoFence Regions	Number of GeoFence regions
RAS Regions	Number of RAS regions

Message Type	AXT_RAW
ESN	Mobile Unit tracking number (i.e. 0-12345)
Timestamp	Unix UTC Time (i.e 1099895400)
SubMask	6 bit submask in message
User Data	Variable length hex message



Message Type	AXT_DEFAULT
ESN	Mobile Unit tracking number (i.e. 0-12345)
Timestamp	Unix UTC Time (i.e 1099895400)
Latitude	Latitude of GPS report
Longitude	Longitude of GPS report
Missed Alarms	array of 4 alarms, either YES or NO
Alarm Level	array - Either YES or NO
Alarm Status	Array – Either HIGH or LOW
GeoFence Area	The GeoFence area the unit is in
Motion	YES or NO if the unit is in motion
Fix	2D or 3D fix
GPS Abort Count	Count of GPS failures on last message

Message Type	AXT_TRUNC
ESN	Mobile Unit tracking number (i.e. 0-12345)
Timestamp	Unix UTC Time (i.e 1099895400)
Latitude	Latitude of GPS report
Longitude	Longitude of GPS report
SubMask	6 bit submask in message
User Data	Variable length message

Message Type	AXT_STATS
ESN	Mobile Unit tracking number (i.e. 0-12345)
Timestamp	Unix UTC Time (i.e 1099895400)
Battery Level	Battery Level
Retries	Number of transmission attempts
Minimum Retry Interval	Minimum interval for retransmissions (in seconds)
Maximum Retry Interval	Maximum interval for retransmissions (in seconds)
GPS Mean Time	GPS mean search time
GPS Failures	GPS failures count
Alarm Type 2	Either ALARMS or DURATION
Alarm Count 2	A count of either alarms or time
Alarm Type 3	Either ALARMS or DURATION
Alarm Count 3	A count of either alarms or time
Transmissions	Number of transmissions since last statistics