

Days on Site

- How long each asset has been within each Geofence is shown.
- Export as CSV will export an 'Excel' style spreadsheet of days on site.

Map Phone List Configure Assign Geofence Report Email Alert By Time Snapshot Days on Site

Report

Select Start Date End Date

GROUP	ACCOUNT	ASSET NAME	ASSET ID	TOTAL DAYS	DAYS IN RANGE	FIRST ENTER	LAST EXIT	NAMED LOCATION	LAST SEEN	LAST SEEN LOCATION
				5	5	10-04-2017 09:13:04	10-08-2017 03:03:06	hp	2017-10-10 09:55:04	32.9246,-96.7696, Dallas, TX 75240
				1	1	10-08-2017 04:21:05	10-09-2017 10:35:05	hp	2017-10-10 09:55:04	32.9246,-96.7696, Dallas, TX 75240
				1	1	10-10-2017 02:55:06	10-10-2017 04:35:05	hp	2017-10-10 09:55:04	32.9246,-96.7696, Dallas, TX 75240
				1	1	10-09-2017 01:59:05	10-10-2017 02:55:06	up	2017-10-10 09:55:04	32.9246,-96.7696, Dallas, TX 75240

Geofence Report

A record of when an asset went into or out of a Geofence is made. Select any date of interest and all of your assets will be shown.

Map Phone List Geofence Report Boundary Email Alert Monitor A

Select Lasso : Select Date

Oct 11, 2017 04:51:05 AM - ENTERED lasso 0-3200344
 Oct 11, 2017 03:17:04 PM - EXITED lasso 0-3200344

Schedule Report

Schedule when you would like for reports to be emailed to you.

Map Phone List Geofence Report Boundary Schedule Report Monitor All Alerts

Schedule Report

Schedule report for: All branches Show branches

Monitor All
 Days on Site
 Alert

Send report every Day(s)

	A	B	C	D	E	F	G	H	I	J	K
1						INCHES	GALLONS	BATTERY \	CHANGE=10	LO=20	HI=30
2	Device	Date	BATV	TEMP	ADO	1	2	3	4	5	6
3	Coil Tubing combo	3/13/2019 9:59	0	0	0	6.7	87	6.2	20	0	0
4	Stattler Combo	3/14/2019 18:37	0	0	0	15.3	737	6.1	20	0	0
5	Thunder 2 Water	3/14/2019 19:52	0	0	0	74	3554	5.9	0	0	0
6	Thrasher Water	3/14/2019 19:59	0	0	0	46.3	2411	5.9	0	0	0
7	Laurel Mtn Water	3/14/2019 20:26	0	0	0	53	2547	5.9	0	0	0
8	Thrasher Sewage	3/14/2019 21:31	0	0	0	13.4	644	5.8	0	0	0
9	Rostosky Combo	3/14/2019 22:22	0	0	0	22.2	288	5.9	0	0	0
10	Habe Water	3/14/2019 23:44	0	0	0	63.3	3291	5.1	0	0	0
11	Thunder 2 Water oos	3/15/2019 0:11	0	0	0	63.6	3053	5.9	0	0	0
12	Huffman Combo	3/15/2019 0:15	0	0	0	32.5	423	5.8	0	0	0
13	Oliver West Water	3/15/2019 0:22	0	0	0	1.6	77	5.8	0	0	0
14	Olczak Combo unit	3/15/2019 1:05	0	0	0	29.1	378	6	0	0	0
15	Beta Cameron	3/15/2019 1:10	0	0	0	40.1	642	5.9	0	0	0
16	Thunder 2 Sewage	3/15/2019 1:22	0	0	0	10.1	485	5.9	20	0	0
17	Bigfoot Water	3/15/2019 1:56	0	0	0	46.6	2239	5.8	0	0	0
18	Thunder 2 Sewage	3/15/2019 2:41	0	0	0	0	0	6	20	0	0
19	Habe water	3/15/2019 2:43	0	0	0	18.1	871	5.8	20	0	0
20	Peak	3/15/2019 2:54	0	0	0	0	0	5.8	0	0	0
21	Carpenter combo	3/15/2019 3:06	0	0	0	34.1	443	5.9	0	0	0

Phone List

- This is the phone call list that will be used in an alert condition.
- Press 99 to acknowledge that you received the message or the next person on the list will be called.
- Do not use any phone entries if you do not wish to be called.

Map Phone List Geofence Report Boundary Monitor All Alerts

Phone list updated

Phone calls made for the following alerts:

- Relay Change

When an alert call is received, it can be temporarily disabled for next 60 minutes by following the instruction: pressing 99 when prompted. After 60 minutes, the alerts will be sent again as they occur. If no response is received or invalid entry is punched, the disable feature is not activated and alerts will be sent as they are received. Also, note that this is Lasso specific, and suppressing an alert for one has no effect on another Lasso

Calls will be made to these numbers

Alerts

- An alert record is made when a channel is >MAX or <MIN

Map	Phone List	Configure	Assign	Geofence Report	Boundary	Email Alert	By Time	Snapshot	Monitor All	Alerts	Days on Site
-----	------------	-----------	--------	-----------------	----------	-------------	---------	----------	-------------	--------	--------------

Report

Select Start Date: End Date:

OR

Select Start Date:

Device	Date	Time alarm occurred	Alert Message
ISO 003 0-3202590	04/20/2018	14:35:05	Channel 2 [GALLONS] Value = 0 [Set Point Low = 1000]

Assign

Assign which users can see this Radar. Complex hierarchies of users, dispatchers, and managers can be configured when multiple assets are to be monitored. Consult Lasso for more detail.

Edit User for company Peak

Types:

First Name: *

Last Name*

Phone No

Email Address: *

Old password*

Password: *

Confirm password*

Secret Question

Secret Answer

Select branch

Status

Send alerts

Send alerts

API Calls

GET - LASSO

This is used to get detailed information about a specific Radar. This is typically used along with 'List – Lasso' API to create master-detail view. The amount of detail returned can be controlled by specifying parameters to limit the number of data points as well as relevant timeframe. Note that the API retrieves only the sensor values which have been marked as 'display=true' through the Web interface.

Data returned in the XML file matches the rows and descriptions you used in the configuration page. Normally, the call is made from your server.

LIST - LASSO

This is used to get list of all Lassos allocated to the default branch of a company.

```
<?xml version="1.0" encoding="UTF-8"?>
<response>
  - <lasso>
    <id>Iso-rlu-ncr-qgh</id>
    - <name>
      <![CDATA[DANA 0-2371710]]>
    </name>
    - <details>
      <![CDATA[DANA]]>
    </details>
    <latitude>32.9253</latitude>
    <longitude>-96.7669</longitude>
    <time>2017-03-20 22:23:05</time>
    <local_time>2017-03-20 17:23:05</local_time>
    - <data>
      - <item time="2017-03-20 22:23:17" id="8a7ef302cc1eb2a9629aeaab12ceb97a">
        <local_time>2017-03-20 17:23:17</local_time>
        <sensor asset="0" description="DEPTH IN" name="channel1">39.3</sensor>
        <sensor asset="0" description="GALLONS" name="channel2">2348</sensor>
        <sensor asset="0" description="BAT VOLT" name="channel3">3.5</sensor>
        <sensor asset="0" description="PING" name="channel4">10.8861</sensor>
      </item>
      - <item time="2017-03-20 21:45:10" id="0f15291b824699794c9598b71ebe5fa4">
        <local_time>2017-03-20 16:45:10</local_time>
        <sensor asset="0" description="DEPTH IN" name="channel1">18.4</sensor>
        <sensor asset="0" description="GALLONS" name="channel2">493</sensor>
        <sensor asset="0" description="BAT VOLT" name="channel3">3.8</sensor>
        <sensor asset="0" description="PING" name="channel4">31.7544</sensor>
      </item>
      - <item time="2017-03-20 21:39:49" id="c5eea90285195e5c93c8dad84fb4f070">
        <local_time>2017-03-20 16:39:49</local_time>
        <sensor asset="0" description="DEPTH IN" name="channel1">18.3</sensor>
        <sensor asset="0" description="GALLONS" name="channel2">493</sensor>
        <sensor asset="0" description="BAT VOLT" name="channel3">3.8</sensor>
        <sensor asset="0" description="PING" name="channel4">31.833</sensor>
      </item>
    </data>
  </lasso>
</response>
```


TROUBLESHOOTING

Important Initial tests.

- Most problems can be traced to low battery voltage.
- Check battery voltage on display. Replace if less than 5.5 V
- Make sure that box has clear access to sky. No metal covering, railing, or grates.

No messages on web site being received

- Messages are only sent every few hours. Data should be sent shortly after you plug in batteries for the first time so make sure you have clear access to the sky.
- Make certain that the unit has a clear access to the sky and that the satellite signal is not blocked by metal. Messages may not be received at all if the signal is blocked.

No Tank level Readings

- Confirm that Radar is detected on display. Move to another location of no Radar.
- Check for proper configuration on keypad of distance to bottom of tank.

No GPS reports on web

- Confirm that GPS report time is set to 6 hours by using keypad
- Allow tank to sit in yard for a day to send data with clear access to the sky.

No data reports on web

- Confirm that Data report time is set to 5 hours by using keypad.
- Allow tank to sit in yard for a day to send data with clear access to the sky.

All columns not shown on web

- Use configure page to check boxes so that all desired channels are shown

Emails and text messages are not being received

- Make certain that your email and text addresses are entered on the Configure tab.
- INFO or ALERT check boxes must be set on the Configure page.

Gallons reading not accurate

- Distance from sensor face to fluid is not correct.
- Adjust the distance to bottom of tank using keypad until gallons reading is accurate.

FCC ID: 2ASFCRADAR
LASSO TECHNOLOGIES, LLC
LASSO.COM Model: 70300R



**Complies with Part 15 of
the FCC Rules.**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.