


Viper[®] 4


Service Layout

Interactive PDF

for ROS version 2.2+

This is an interactive PDF which means that the majority of the buttons, boxes, and selections are active. Press on an item and see what happens!

iPhone/iPad users: Please visit the App store to download and install the Adobe PDF viewer app. Just open the PDF in this app and then press the  icon (lower left corner) and select “Single Page” for your viewing preference.

Android users: Please visit the Playstore to download and install the Adobe PDF viewer app. Just open the PDF in this app and then press the  icon (lower left corner) and select “Single Page” for your viewing preference.



Press the Okay button to continue

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

P01 10.00 10.00

On Map
10.00
10.00

1 2 3 4 5 6 7

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

P01	10.00	10.00
-----	-------	-------

Select Product Node

N01

On Map

10.00
10.00

1 2 3 4 5 6 7

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

P01	10.00	10.00
-----	-------	-------

Select Product Node

N01

N01

On Map

10.00
10.00

1 2 3 4 5 6 7

1 71
2 61

0
N01

29 28 29

N/A

13.7
mph

0.0

SBAS

👁️ P01	10.00	10.00
--------	-------	-------

On Map

👁️ 10.00
10.00

1 2 3 4 5 6 7

Choose





0 531 ft







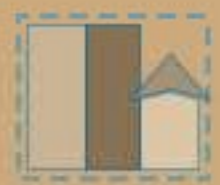
0 4529 ft

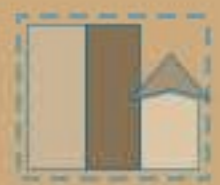




0 4529 ft









Active Alarms

Severity	Alarm Information	Category
----------	-------------------	----------

--	--	--



Alarm History



#	Severity	Status	Alarm Information	Category
046	2	<input type="radio"/> Cleared	VTG Message Low Frequency: Int...	GPS
045	2	<input type="radio"/> Cleared	Missing Required Messages: Gene...	GPS
044	2	<input type="radio"/> Cleared	ZDA Message Low Frequency: Ge...	GPS
043	2	<input type="radio"/> Cleared	VTG Message Low Frequency: Ge...	GPS
042	2	<input type="radio"/> Cleared	GGA Message Low Frequency: Ge...	GPS
041	2	<input checked="" type="radio"/> Active	ZDA Message Low Frequency: Ge...	GPS
040	2	<input checked="" type="radio"/> Active	The Quick Brown Fox Jumps Over....	GPS
039	2	<input checked="" type="radio"/> Active	The Lazy Dog.....	GPS
038	2	<input checked="" type="radio"/> Active	GGA Message Low Frequency: Ge...	GPS
037	2	<input type="radio"/> Cleared	Missing Required Messages: Integ...	GPS
036	2	<input type="radio"/> Cleared	Insufficient Satellites for Solution: I...	GPS
035	2	<input type="radio"/> Cleared	No Differential: Integrated	GPS
034	2	<input type="radio"/> Cleared	New Position Timeout: Integrated	GPS
033	2	<input type="radio"/> Cleared	VTG Message Low Frequency: Int...	GPS
032	2	<input type="radio"/> Cleared	Missing Required Messages: Gene...	GPS
031	2	<input type="radio"/> Cleared	ZDA Message Low Frequency: Ge...	GPS





Alarm Settings

Global Alarm Settings



Audible Alarms Enabled



Popup Alarms Enabled





Job Summary - Job 20150209-2034

Application Report

Target Pests

Restricted Entry Interval

Soil Condition

Moisture

Notes



Send to Slingshot





Job Summary - Job 20150209-2034

Application Report

Target Pests

Restricted Entry Interval

Soil Condition

Moisture

Notes



Send to Slingshot



Job Summary - Job 20150209-2034



Weather Report

Include Weather Report

Temperature

32.0 °F

Wind Direction

0.0 °

Wind Speed

0.0 mph

Wind Gust

0.0 mph

Relative Humidity

0.0 %

Dew Point

32.0 °F

Barometric Pressure

0.0 inHg

Send to Slingshot



Job Summary - Job 20150209-2034



Weather Report

Include Weather Report

Temperature

32.0 °F

Wind Direction

0.0 °

Wind Speed

0.0 mph

Wind Gust

0.0 mph

Relative Humidity

0.0 %

Dew Point

32.0 °F

Barometric Pressure

0.0 inHg

Send to Slingshot



Job Summary - Job 20150209-2034



Weather Report

Include Weather Report

Temperature

32.0 °F

Wind Direction

0.0 °

Wind Speed

0.0 mph

Wind Gust

0.0 mph

Relative Humidity

0.0 %

Dew Point

32.0 °F

Barometric Pressure

0.0 inHg

Send to Slingshot



Job Summary - Job 20150209-2034



Weather Report

Include Weather Report

Temperature

32.0

°F

Wind Direction

0.0

°

Wind Speed

0.0

mph

Wind Gust

0.0

mph

Relative Humidity

0.0

%

Dew Point

32.0

°F

Barometric Pressure

0.0

inHg

Send to Slingshot



Manage Screen Layouts: Field Review



Default



Service



Manage Screen Layouts: Field Review



Default



Service



Manage Screen Layouts: Widget View



Default



Service



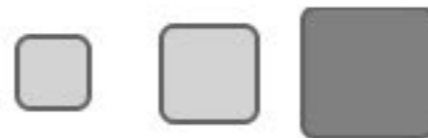
Manage Screen Layouts: Widget View



Default



Service



Manage Screen Layouts: 3D Guidance View



Default



Service



Manage Screen Layouts: 3D Guidance View



Default



Service



Enter copied screen layout name



Enter new screen layout name



Enter copied screen layout name



Enter new screen layout name



Enter copied screen layout name



Enter new screen layout name







**Please Wait
Loading...**



**Press the Return button to go
back!**





1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon

Active Alarms

Severity	Alarm Information	Category
----------	-------------------	----------

--	--	--

10.00

On Map

10.00

10.00



Alarm History

#	Severity	Status	Alarm Information	Category
046		2	<input type="radio"/> Cleared	VTG Message Low Frequency: Int... GPS
045		2	<input type="radio"/> Cleared	Missing Required Messages: Gene... GPS
044		2	<input type="radio"/> Cleared	ZDA Message Low Frequency: Ge... GPS
043		2	<input type="radio"/> Cleared	VTG Message Low Frequency: Ge... GPS
042		2	<input type="radio"/> Cleared	GGA Message Low Frequency: Ge... GPS
041		2	<input checked="" type="radio"/> Active	ZDA Message Low Frequency: Ge... GPS
040		2	<input checked="" type="radio"/> Active	The Quick Brown Fox Jumps Over... GPS
039		2	<input checked="" type="radio"/> Active	The Lazy Dog..... GPS
038		2	<input checked="" type="radio"/> Active	GGA Message Low Frequency: Ge... GPS
037		2	<input type="radio"/> Cleared	Missing Required Messages: Integ... GPS
036		2	<input type="radio"/> Cleared	Insufficient Satellites for Solution: I... GPS
035		2	<input type="radio"/> Cleared	No Differential: Integrated GPS
034		2	<input type="radio"/> Cleared	New Position Timeout: Integrated GPS
033		2	<input type="radio"/> Cleared	VTG Message Low Frequency: Int... GPS
032		2	<input type="radio"/> Cleared	Missing Required Messages: Gene... GPS
031		2	<input type="radio"/> Cleared	ZDA Message Low Frequency: Ge... GPS



1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00

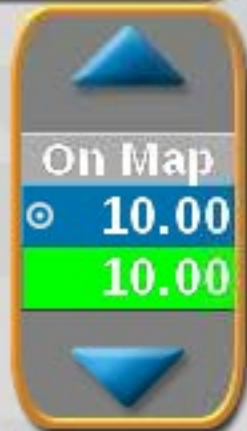


Alarm Settings

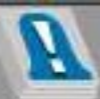


Global Alarm Settings

- Audible Alarms Enabled
- Popup Alarms Enabled







Active Alarms

Severity	Alarm Information	Category



Alarm History



#	Severity	Status	Alarm Information	Category
046	2	<input type="radio"/> Cleared	VTG Message Low Frequency: Int...	GPS
045	2	<input type="radio"/> Cleared	Missing Required Messages: Gene...	GPS
044	2	<input type="radio"/> Cleared	ZDA Message Low Frequency: Ge...	GPS
043	2	<input type="radio"/> Cleared	VTG Message Low Frequency: Ge...	GPS
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040	2	<input checked="" type="radio"/> Active	The Quick Brown Fox Jumps Over....	GPS
039	2	<input checked="" type="radio"/> Active	The Lazy Dog.....	GPS
038	2	<input checked="" type="radio"/> Active	GGA Message Low Frequency: Ge...	GPS
037	2	<input type="radio"/> Cleared	Missing Required Messages: Integ...	GPS
036	2	<input type="radio"/> Cleared	Insufficient Satellites for Solution: I...	GPS
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032	2	<input type="radio"/> Cleared	Missing Required Messages: Gene...	GPS
031	2	<input type="radio"/> Cleared	ZDA Message Low Frequency: Ge...	GPS





Alarm Settings

Global Alarm Settings



Audible Alarms Enabled



Popup Alarms Enabled





Job Summary - Job 20150209-2034

Application Report

Target Pests

Restricted Entry Interval

Soil Condition

Moisture

Notes

Send to Slingshot





Job Summary - Job 20150209-2034

Application Report

Target Pests

Restricted Entry Interval

Soil Condition

Moisture

Notes



Send to Slingshot



Job Summary - Job 20150209-2034



Weather Report

Include Weather Report

Temperature

32.0

°F

Wind Direction

0.0

°

Wind Speed

0.0

mph

Wind Gust

0.0

mph

Relative Humidity

0.0

%

Dew Point

32.0

°F

Barometric Pressure

0.0

inHg

Send to Slingshot



Job Summary - Job 20150209-2034



Weather Report

Include Weather Report

Temperature

32.0

°F

Wind Direction

0.0

°

Wind Speed

0.0

mph

Wind Gust

0.0

mph

Relative Humidity

0.0

%

Dew Point

32.0

°F

Barometric Pressure

0.0

inHg

Send to Slingshot



Job Summary - Job 20150209-2034



Weather Report



Include Weather Report

Temperature

32.0

°F

Wind Direction

0.0

°

Wind Speed

0.0

mph

Wind Gust

0.0

mph

Relative Humidity

0.0

%

Dew Point

32.0

°F

Barometric Pressure

0.0

inHg



Send to Slingshot



Job Summary - Job 20150209-2034



Weather Report



Include Weather Report

Temperature

32.0

°F

Wind Direction

0.0

°

Wind Speed

0.0

mph

Wind Gust

0.0

mph

Relative Humidity

0.0

%

Dew Point

32.0

°F

Barometric Pressure

0.0

inHg



Send to Slingshot









GPS Health



0.1



1.0 seconds



5 satellites



GPS: OK
Diff Source: SBAS



133 Dif ID

Latitude: N43.72°
Longitude: W96.71°
Diff ID: 133
GGA Quality: 2
UTC Time: 21:04:35
UTC Date: 2015-02-09
Elevation: 33 ft
Speed: 14 mph
Heading: 0.00°
Frequency: 10

Test Speed

0.0

GPS Filter

Low

10.00

On Map
10.00
10.00

GPS Health



0.1



1.0 seconds



5 satellites



GPS: OK
Diff Source: SBAS



133 Dif ID

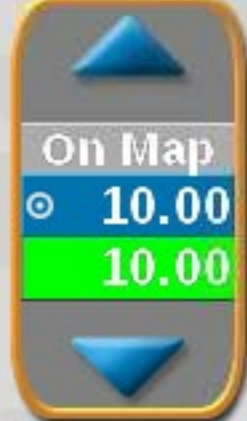
Latitude: N43.72°
Longitude: W96.71°
Diff ID: 133
GGA Quality: 2
UTC Time: 21:04:35
UTC Date: 2015-02-09
Elevation: 33 ft
Speed: 14 mph
Heading: 0.00°
Frequency: 10

Test Speed

Off
Low
Medium
High

GPS Filter

Low





What does this spell?

**Please Wait
Loading...**



**Press the Return button to go
back!**

Job Summary - Job 20150209-2034



Application Report

Target Pests

Restricted Entry Interval

1 Soil Condition

Moisture

Notes

Send to Slingshot



On Map
10.00
10.00

1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon



Job Summary - Job 20150209-2034



Application Report

Target Pests

Restricted Entry Interval

1 Soil Condition

Moisture

Notes



Send to Slingshot



On Map
10.00
10.00

1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon



Job Summary - Job 20150209-2034



Weather Report

Include Weather Report

Temperature °F

Wind Direction °

Wind Speed mph

Wind Gust mph

Relative Humidity %

Dew Point °F

Barometric Pressure inHg

Send to Slingshot



1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon

10.00

10.00

On Map

10.00

10.00



Job Summary - Job 20150209-2034



Weather Report

Include Weather Report

Temperature °F

Wind Direction °

Wind Speed mph

Wind Gust mph

Relative Humidity %

Dew Point °F

Barometric Pressure inHg

Send to Slingshot



00 10.00

10.00

10.00

On Map

10.00

10.00

1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon



Job Summary - Job 20150209-2034



Weather Report

Include Weather Report

Temperature °F

Wind Direction °

Wind Speed mph

Wind Gust mph

Relative Humidity %

Dew Point °F

Barometric Pressure inHg

Send to Slingshot



00 10.00

10.00

10.00

On Map

10.00

10.00

1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon



Job Summary - Job 20150209-2034



Weather Report

Include Weather Report

Temperature °F

Wind Direction °

Wind Speed mph

Wind Gust mph

Relative Humidity %

Dew Point °F

Barometric Pressure inHg

Send to Slingshot



1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon

10.00
10.00

On Map
10.00
10.00



**Please Wait
Loading...**



**Press the Return button to go
back!**

1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon



Application Control



Product Name	Rate	Off	Man	Auto	Rate Bump
P01	10.00	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="button" value="Rate Bump"/>

SBAS

00	10.00
----	-------

On Map
10.00
10.00

Override



Application Control



Product Name Rate Off Man Auto Rate Bump

P01

10.00



10.00

On Map
MAN
0



1 71
2 61

A gauge with a needle pointing to the right, labeled 'N01'.

0
N01

A gauge with a needle pointing to the right, labeled 'N01'.

29 28

A green bar chart with two bars of increasing height.

N/A
N01

A green globe icon.

3G
Verizon

A green bar chart with four bars of increasing height.

1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

Application Control



SBAS
✓

Product Name	Rate	Off	Man	Auto	Rate Bump
P01	10.00				

F 0.00

On Map
OFF
0.00

Override

1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

Application Control



SBAS
✓

Product Name	Rate	Off	Man	Auto	Rate Bump
P01	10.00				

F 0.00

On Map
OFF
0.00

Override



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

Application Control



SBAS
[checkmark]

Product Name	Rate	Off	Man	Auto	Rate Bump
P01	10.00	[power button]	[circle]	[circle]	[down] [up]

F 0.00

On Map
OFF
0.00

[power button]
Override



Valve Type: Standard



Type	Liquid	Total Volume	2627.30 gal
Valve	Standard	Field Volume	2627.30 gal
		Tank Volume	623.20 gal
Area/Hour	197.10 ac/h	Total Area	123.20 ac
Vol/Min	33.30	Field Area	123.20 ac
Pump RPM	0		

Misc Settings

Meter Cal	720
Pump Cal	0

1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

N01

PRODUCTS

10.00

On Map
10.00
10.00



0.0



1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

0.0



1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

PRODUCTS

N01

Valve Type: Standard



SBAS
✓

Valve Cal



2123



Valve Cal 2



0000

Valve Delay

0

Valve Advance

0

10.00

On Map
10.00
10.00



0.0



1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

Node 1

Meter Cal Assistant



Desired Value

1 Hardware Value

pulses/10 gal

```
METER CAL 730 GAL  
[193 (LITER)]  
-----  
METER CAL  
172 NH3LBS OF "N"
```

Sample meter flow label

Your flow meter may list a value in a different unit of measure, such as "730 GAL." This is the same as 730 pulses/10 gal.

1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon

10.00 10.00

On Map
10.00
10.00



0.0



1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

Node 1



Valve Cal Adjust

Current

2123

Backlash



2



Sensitivity



1



Braking



2



Rate Tolerance



3



1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



Node 1



Valve Cal Adjust

Current

0000

Backlash



0



Sensitivity



0



Braking



0



Rate Tolerance



0



1 71
2 61

0
N01

29 28

N/A

N01

3G

Verizon

1

10.00

On Map

10.00

10.00



0.0



1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

PRODUCTS

N01

Valve Type: Standard



SBAS
✓

Pressure 1 Cal (psi)

0

Pressure 2 Cal (psi)

0

Low Limit Pressure (psi)

0

10.00

On Map
10.00
10.00



Node 1

Meter Cal Assistant



Desired Value

pulses/10 gal (US)

Hardware Value

720

pulse

- pulses/10 gal (US)
- pulses/10 liters (SI)
- pulses/10 lbs actual N (US)
- pulses/10 kg actual N (SI)

```
METER CAL 730 GAL  
[193 (LITER)]  
-----  
METER CAL  
172 NH3LBS OF "N"
```

Sample meter flow label

Your flow meter may list a value in a different unit of measure, such as "730 GAL." This is the same as 730 pulses/10 gal.

1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon

100 10.00

On Map
10.00
10.00



0.0



1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

Product

Product Shown On Map

Rate	Rate Bump	Bump Value
10.00		2.00

Off Man Auto

01	10.00	10.00
----	-------	-------

1 2 3 4 5 6 7

On Map

10.00
10.00

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

Product

Product Shown On Map

P01

Product Shown On Map

10.00

Off Man Auto

01	10.00	10.00
----	-------	-------

On Map

10.00

10.00

1 2 3 4 5 6 7

1 71
2 61
N01

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

Product

Product Shown On Map

Rate	Rate Bump	Bump Value
10.00		2.00
Off	Man Auto	
<input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/>	

01 MAN 0

On Map
MAN
0

1 2 3 4 5 6 7

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

Product

Product Shown On Map

Rat P01 p Value

10.00 2.00

Off Man Auto

01 MAN 0

On Map
MAN
0

1 2 3 4 5 6 7

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

Product

Product Shown On Map

Rate	Rate Bump	Bump Value
10.00		2.00

Off Man Auto

01 OFF 0.00

1 2 3 4 5 6 7

On Map
OFF
0.00

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

Product

Product Shown On Map

P01

Product Shown On Map

10.00

2.00

Off Man Auto

01 OFF 0.00

On Map
OFF
0.00

1 2 3 4 5 6 7

0.0



1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

0.0



1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

Valve Type: Standard



Type	Liquid	Total Volume	2627.30 gal
Valve	Standard	Field Volume	2627.30 gal
		Tank Volume	623.20 gal
Area/Hour	197.10 ac/h	Total Area	123.20 ac
Vol/Min	33.30	Field Area	123.20 ac
Pump RPM	0		

Misc Settings

Meter Cal	<input type="text" value="720"/>
Pump Cal	<input type="text" value="0"/>

1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

N01

PRODUCTS

10.00

On Map
10.00
10.00



0.0



1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

Node 1

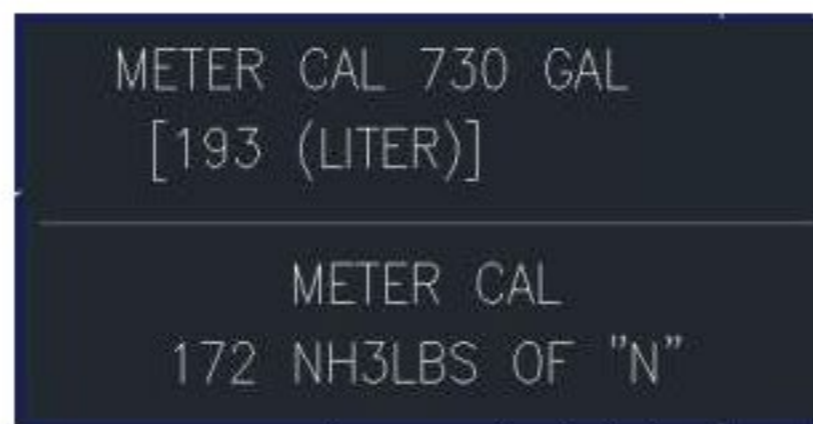
Meter Cal Assistant



Desired Value

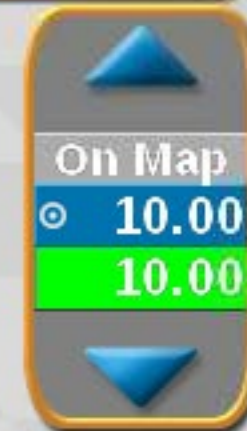
1 Hardware Value

pulses/10 gal



Sample meter flow label

Your flow meter may list a value in a different unit of measure, such as "730 GAL." This is the same as 730 pulses/10 gal.



Node 1

Meter Cal Assistant



Desired Value

pulses/10 gal (US)

Hardware Value

720

pulse

- pulses/10 gal (US)
- pulses/10 liters (SI)
- pulses/10 lbs actual N (US)
- pulses/10 kg actual N (SI)

```
METER CAL 730 GAL  
[193 (LITER)]  
-----  
METER CAL  
172 NH3LBS OF "N"
```

Sample meter flow label

Your flow meter may list a value in a different unit of measure, such as "730 GAL." This is the same as 730 pulses/10 gal.

1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon

10.00

10.00

On Map

10.00

10.00



0.0



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

PRODUCTS

N01

Valve Type: Standard



SBAS
✓

Valve Cal		2123	
Valve Cal 2		0000	
Valve Delay		0	
Valve Advance		0	

10.00

On Map
10.00
10.00



0.0



1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

Node 1



Valve Cal Adjust

Current

2123

Backlash



2



Sensitivity



1



Braking



2



Rate Tolerance



3



1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



Node 1



Valve Cal Adjust

Current

0000

Backlash



0



Sensitivity



0



Braking



0



Rate Tolerance



0



1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon

10.00

10.00

On Map

10.00

10.00



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

1 PRODUCTS

N01

Valve Type: Standard



SBAS
[Home icon]

Pressure 1 Cal (psi)

0

Pressure 2 Cal (psi)

0

Low Limit Pressure (psi)

0

10.00

On Map
10.00
10.00



0.0



1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

AutoBoom



Pressure (psi)

1340

1440

Current Height (in)

29

28

29

Target Height (in)

▼ 29 ▲

Master Power



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



AutoBoom



Pressure (psi)

1340

1440

Current Height (in)

29

28

29

Target Height (in)



29



Master Power



1 71
2 61
N01

0
N01

29 | 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



Tuning



Speed

◀ 25 ▶

Sensitivity

◀ 10 ▶

Stability Factor

◀ 10 ▶

1 71
2 61
N01

0
N01

29 28

N/A
N01

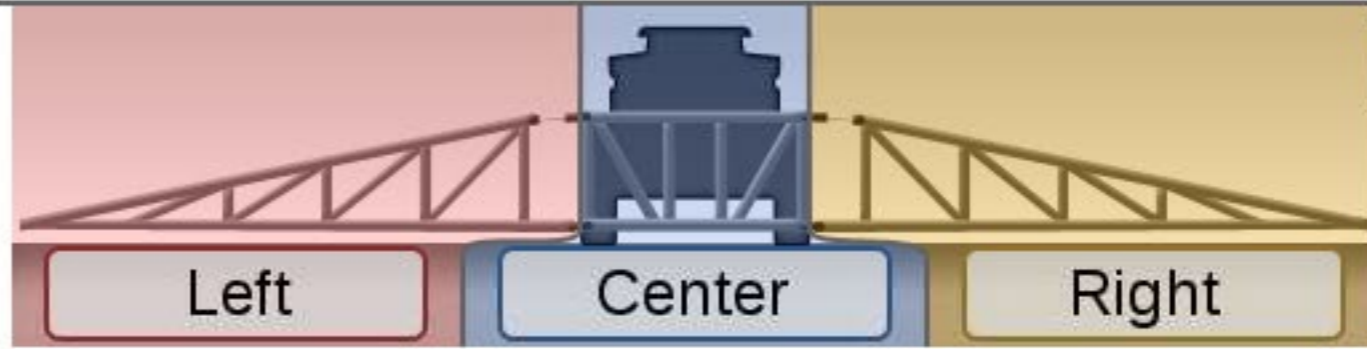
3G
Verizon

10.00

On Map
10.00
10.00



Diagnostics



	Left	Center	Right
Height (in)	29 0	29 28	29 0 29
Pressure (psi)	1340		1440
Raise	Off	Off	Off
Lower	Off	Off	Off
Unfold	Off		Off
Blocker	Off	LS Off	Off
PWM %	0.00	Idle	0.00
Base PWM %	34.62		33.81
Stats	0		0

1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map

10.00

10.00



AutoBoom



Pressure (psi)

1340

1440

Current Height (in)

29

28

29

Target Height (in)

▼ 29 ▲

Master Power



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



AutoBoom



Pressure (psi)

1340

1440

Current Height (in)

29

28

29

Target Height (in)

▼ 29 ▲

Master Power



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



AutoBoom



Pressure (psi)

1340

1440

Current Height (in)

29

28

29

Target Height (in)

▼ 29 ▲

Master Power



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



AutoBoom



Pressure (psi)

1340

1440

Current Height (in)

29

28

29

Target Height (in)

▼ 29 ▲

Master Power



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



AutoBoom



Pressure (psi)

1340

1440

Current Height (in)

29

28

29

Target Height (in)



29



Master Power



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



AutoBoom



Pressure (psi)

1340

1440

Current Height (in)

29

28

29

Target Height (in)

29

Master Power



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



AutoBoom



Pressure (psi)

1340

1440

Current Height (in)

29

28

29

Target Height (in)



29



Master Power



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



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SOFTWARE UPDATES

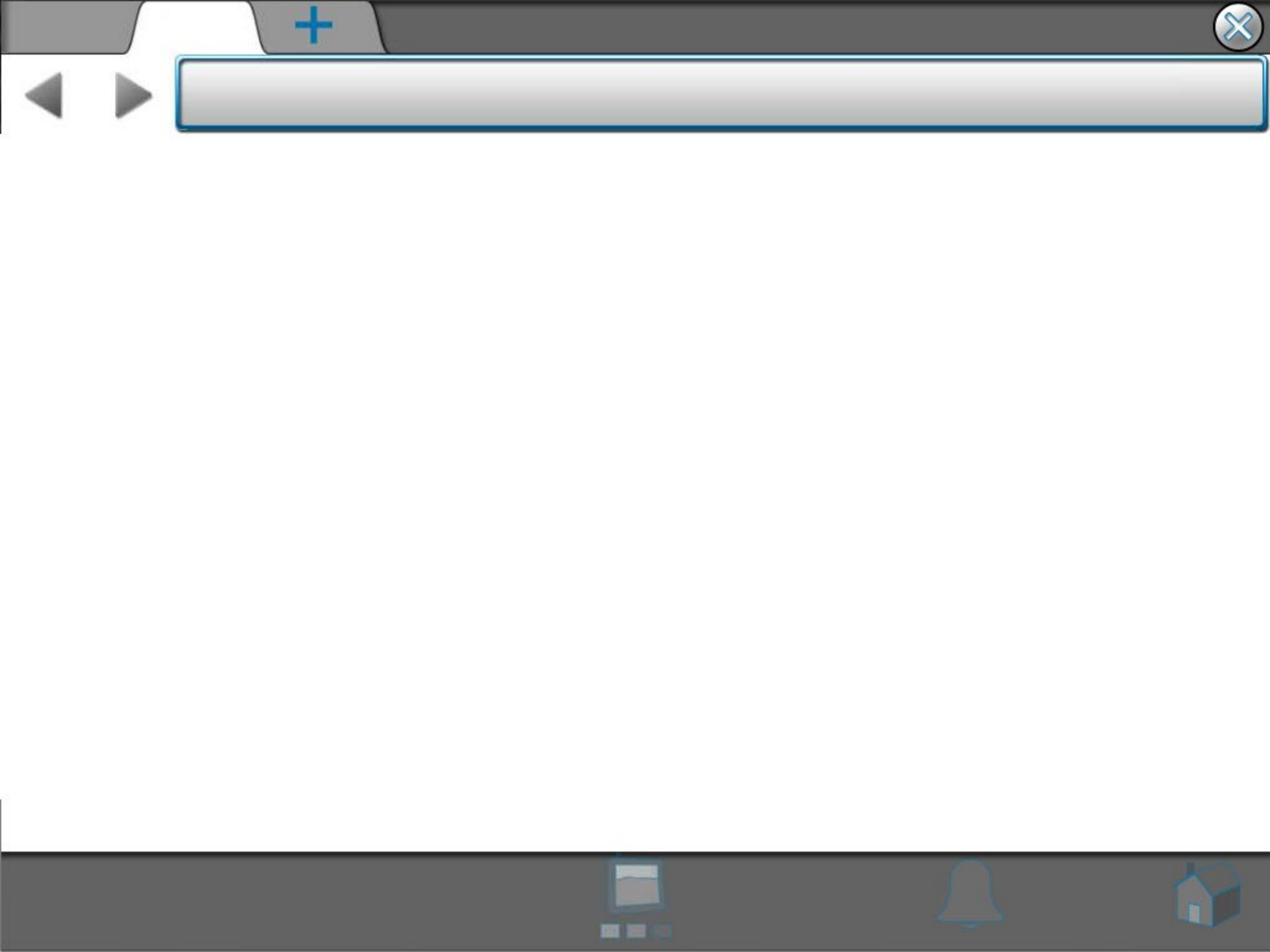
LATEST: Cruizer-II-and-Cruizer-II-RTK ver: 3.4.1, 02/06/15

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[CALCULATORS](#)

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New [video tutorials](#) are available on our YouTube channel for installing Hawkeye™ and set-up on the Viper® 4.







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Alarm History

#	Severity	Status	Alarm Information	Category
046	2	<input type="radio"/> Cleared	VTG Message Low Frequency: Int...	GPS
045	2	<input type="radio"/> Cleared	Missing Required Messages: Gene...	GPS
044	2	<input type="radio"/> Cleared	ZDA Message Low Frequency: Ge...	GPS
043	2	<input type="radio"/> Cleared	VTG Message Low Frequency: Ge...	GPS
042	2	<input type="radio"/> Cleared	GGA Message Low Frequency: Ge...	GPS
041	2	<input checked="" type="radio"/> Active	ZDA Message Low Frequency: Ge...	GPS
040	2	<input checked="" type="radio"/> Active	The Quick Brown Fox Jumps Over....	GPS
039	2	<input checked="" type="radio"/> Active	The Lazy Dog.....	GPS
038	2	<input checked="" type="radio"/> Active	GGA Message Low Frequency: Ge...	GPS
037	2	<input type="radio"/> Cleared	Missing Required Messages: Integ...	GPS
036	2	<input type="radio"/> Cleared	Insufficient Satellites for Solution: I...	GPS
035	2	<input type="radio"/> Cleared	No Differential: Integrated	GPS
034	2	<input type="radio"/> Cleared	New Position Timeout: Integrated	GPS
033	2	<input type="radio"/> Cleared	VTG Message Low Frequency: Int...	GPS
032	2	<input type="radio"/> Cleared	Missing Required Messages: Gene...	GPS
031	2	<input type="radio"/> Cleared	ZDA Message Low Frequency: Ge...	GPS





Alarm Settings

Global Alarm Settings



Audible Alarms Enabled



Popup Alarms Enabled





Job Summary - Job 20150209-2034

Application Report

Target Pests

Restricted Entry Interval

Soil Condition

Moisture

Notes



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[GO TO UPDATE PAGE](#) 

[CALCULATORS](#) 

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Job Summary - Job 20150209-2034

Application Report

Target Pests

Restricted Entry Interval

Soil Condition

Moisture

Notes



Send to Slingshot





Job Summary - Job 20150209-2034

Weather Report

Include Weather Report

Temperature

32.0

°F

Wind Direction

0.0

°

Wind Speed

0.0

mph

Wind Gust

0.0

mph

Relative Humidity

0.0

%

Dew Point

32.0

°F

Barometric Pressure

0.0

inHg

Send to Slingshot





Job Summary - Job 20150209-2034

Weather Report

Include Weather Report

Temperature

32.0

°F

Wind Direction

0.0

°

Wind Speed

0.0

mph

Wind Gust

0.0

mph

Relative Humidity

0.0

%

Dew Point

32.0

°F

Barometric Pressure

0.0

inHg



Send to Slingshot





Job Summary - Job 20150209-2034

Weather Report



Include Weather Report

Temperature

32.0

°F

Wind Direction

0.0

°

Wind Speed

0.0

mph

Wind Gust

0.0

mph

Relative Humidity

0.0

%

Dew Point

32.0

°F

Barometric Pressure

0.0

inHg



Send to Slingshot





Job Summary - Job 20150209-2034

Weather Report



Include Weather Report

Temperature

32.0

°F

Wind Direction

0.0

°

Wind Speed

0.0

mph

Wind Gust

0.0

mph

Relative Humidity

0.0

%

Dew Point

32.0

°F

Barometric Pressure

0.0

inHg



Send to Slingshot





**Please Wait
Loading...**



**Press the Return button to go
back!**

Operator Liability Warning

Upon requesting Remote Service, you agree that it is solely your responsibility to make sure that the vehicle and equipment are in an area clear of any obstacles and people and to insure the vehicle is stopped and located on a safe surface. You agree to remain in the driver's seat until the Remote Service is complete. You agree that you are solely responsible for all claims for personal injury (including death) or damage to any personal property (including crops and livestock) and you release Raven Industries, Inc. from any and all causes of action, damages and liabilities of every kind related to or arising from the Remote Services.

BY CLICKING YES YOU AGREE TO THE ABOVE TERMS, AND YOU ARE ACCEPTING ALL RESPONSIBILITY FOR BOTH THE OPERATION OF THIS VEHICLE AND ALL DAMAGES TO PROPERTY AND PERSONAL INJURIES WHILE REMOTE SERVICE IS ACTIVE.

If you do NOT agree to these terms, click NO.

Yes

No

SBAS



10.00

On Map

10.00

10.00

Remote Support



Modem ID:	000000000000
Signal Strength / RSSI (dBm):	-70
WAN Status:	Connected
Roaming Status:	Not Roaming
Slingshot Status:	Connected

Support Inactive

[Request Support](#)

1 71
2 61
NO1

0
NO1

29 28

N/A
NO1

3G
Verizon

SBAS

10.00

On Map
10.00
10.00



Remote Support



Modem ID: 000000000000

Signal Strength / RSSI (dBm): -70

WAN Status: Connected

Roaming Status: Not Roaming

Slingshot Status: Connected

Support Pending
Service Code: 76712

Support Requested



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

SBAS

10.00

On Map
10.00
10.00



Slingshot Info

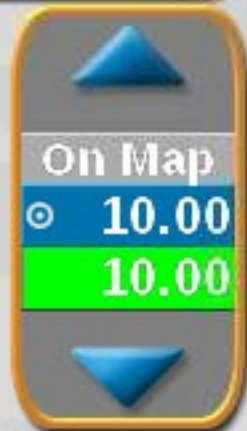
Phone #: 000000000000

Network Type: 3G

Network Provider: Verizon

Location Fixed: True

IP Address: 00.00.00.00



Features

File Transfer:	True
Remote Support:	True
Internet Access:	True
Slingshot RTK:	True
CORS RTK:	True
Fleet View:	True
Telematics:	True



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

SmarTrax Status:



SBAS
✓

Sensitivity

◀ 10 ▶

Line Aquire

◀ 10 ▶

10.00

On Map
10.00
10.00



Performance



Elapsed Time

14.2

Average Speed

18.5mph

% Time < 2 in

92 %

% Time < 4 in

95 %

% Time < 8 in

98 %

Reset Stats



On Map

10.00
10.00

1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon



On Map

10.00
10.00



Performance



Elapsed Time

0.0

Average Speed

0.0 mph

% Time < 2 in

0 %

% Time < 4 in

0 %

% Time < 8 in

0 %

Reset Stats



On Map

10.00
10.00

1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon



On Map

10.00
10.00



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon



SBAS
✓

Service Code

Enter Service Code

Date

Serial Number

Software Rev.

Number of entries

10.00
10.00

On Map
10.00
10.00



Diagnostics



Lmin



45.4%



Rmin



41.8%



Lmax



100.0%



Rmax



100.0%



Lgain

68

Rgain

71

Learning Mode



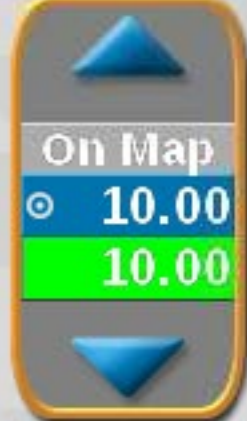
Steering

Steering Status

Disengage Sensitivity



150



Diagnostics



Lmin



45.4%



Rmin



41.8%



Lmax



100.0%



Rmax



100.0%



Lgain

68

Rgain

71

Learning Mode



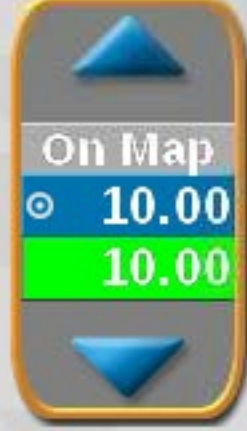
Steering

Steering Status

Disengage Sensitivity



150



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon



SBAS

Service Code

Enter Service Code

Date

Serial Number

Software Rev.

Number of entries

10.00

On Map
10.00
10.00



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

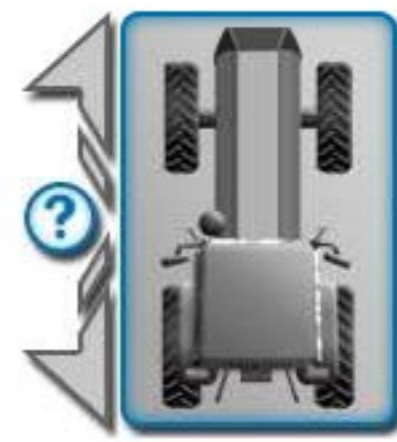


SBAS
[checkmark]

3D Compensation

Roll	0.9°	Yaw Rate	0.3
Pitch	3.2°	Yaw	0.0°

Switch Direction



10.00

3D Compensation



On Map
10.00
10.00



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

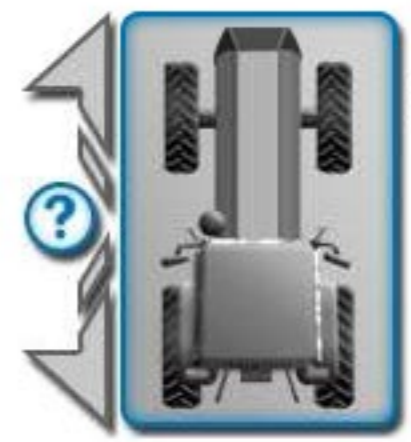


SBAS
[checkmark]

3D Compensation

Roll	0.9°	Yaw Rate	0.3
Pitch	3.1°	Yaw	0.0°

Switch Direction



10.00

3D Compensation



On Map
10.00
10.00



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon



SBAS

Service Code

Enter Service Code

Date

Serial Number

Software Rev.

Number of entries

10.00

On Map
10.00
10.00



1 71
2 61

0
N01

29 28 29

N/A
N01

3G
Verizon

13.
mi

0.0

SBAS

0.00 10.00

Caution

Reverse Forward Direction

Are you sure you want to reverse the forward direction?

Yes No

On Map

10.00

10.00

1 2 3 4 5 6 7

1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

👁️ P01	10.00	10.00
--------	-------	-------



On Map

👁️ 10.00
10.00

1 2 3 4 5 6 7



1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

👁️ P01	10.00	10.00
--------	-------	-------



On Map

👁️ 10.00
10.00

1 2 3 4 5 6 7



Nudge & Swath



Current Nudge

0.0 in



Nudge 1

2.0 in

in
ft

ACTIVE

Nudge 2

6.0 in

in
ft

Guidance Line



Save



Load



Reset



00 10.00

On Map
10.00
10.00

1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon



Nudge & Swath



Current Nudge

0.0 in



Nudge 1

2.0 in

in
ft

ACTIVE

Nudge 2

6.0 in

in
ft

Guidance Line



Save



Load



Reset



00 10.00

On Map
10.00
10.00

1 71
2 61

0
N01

29 28

N/A
N01

3G
Verizon



1 71
2 61

0.0

SBAS

0
N01

29 28 29

0.00°

0.00°

B

N/A
N01

13.7
mph

3G
Verizon

👁️ P01 10.00 10.00

On Map

👁️ 10.00

10.00

1 2 3 4 5 6 7



1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.00°

W 30 33 N 3 3 E 6 12 15 S 21 24 27

👁 P01 10.00 10.00

On Map

👁 10.00

10.00

1 2 3 4 5 6 7



1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

0.00°

359.00°

⊙ P01 10.00 10.00

On Map

⊙ 10.00

10.00

1 2 3 4 5 6 7

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

0.00°

90.00°

👁️ P01 10.00 10.00

On Map

👁️ 10.00

10.00

1 2 3 4 5 6 7



1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.00°

180.00°

On Map

👁 P01	10.00	10.00
	10.00	10.00

On Map

👁 10.00
10.00

1 2 3 4 5 6 7



1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

0.00°

270.00°

⊙ P01 10.00 10.00

On Map

⊙ 10.00

10.00

1 2 3 4 5 6 7



0.0



1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

Nudge & Swath



Current Nudge

0.0 in



Nudge 1

2.0 in

in
ft

ACTIVE

Nudge 2

6.0 in

in
ft

Guidance Line



Save



Load



Reset



00 10.00

On Map
10.00
10.00

0.0




1	2	3	←
4	5	6	✏
7	8	9	✖
-	0	.	✓

Save Guidance Line



Enter file name or select file to replace in list below.

2015-02-10 2059

File	Type	Distance
 AB Line	Straight AB	0 ft

1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

10.00


On Map
10.00
10.00



Select Swath To Load



Selected: ===

File	Type	Distance
 AB Line	Straight AB	0 ft



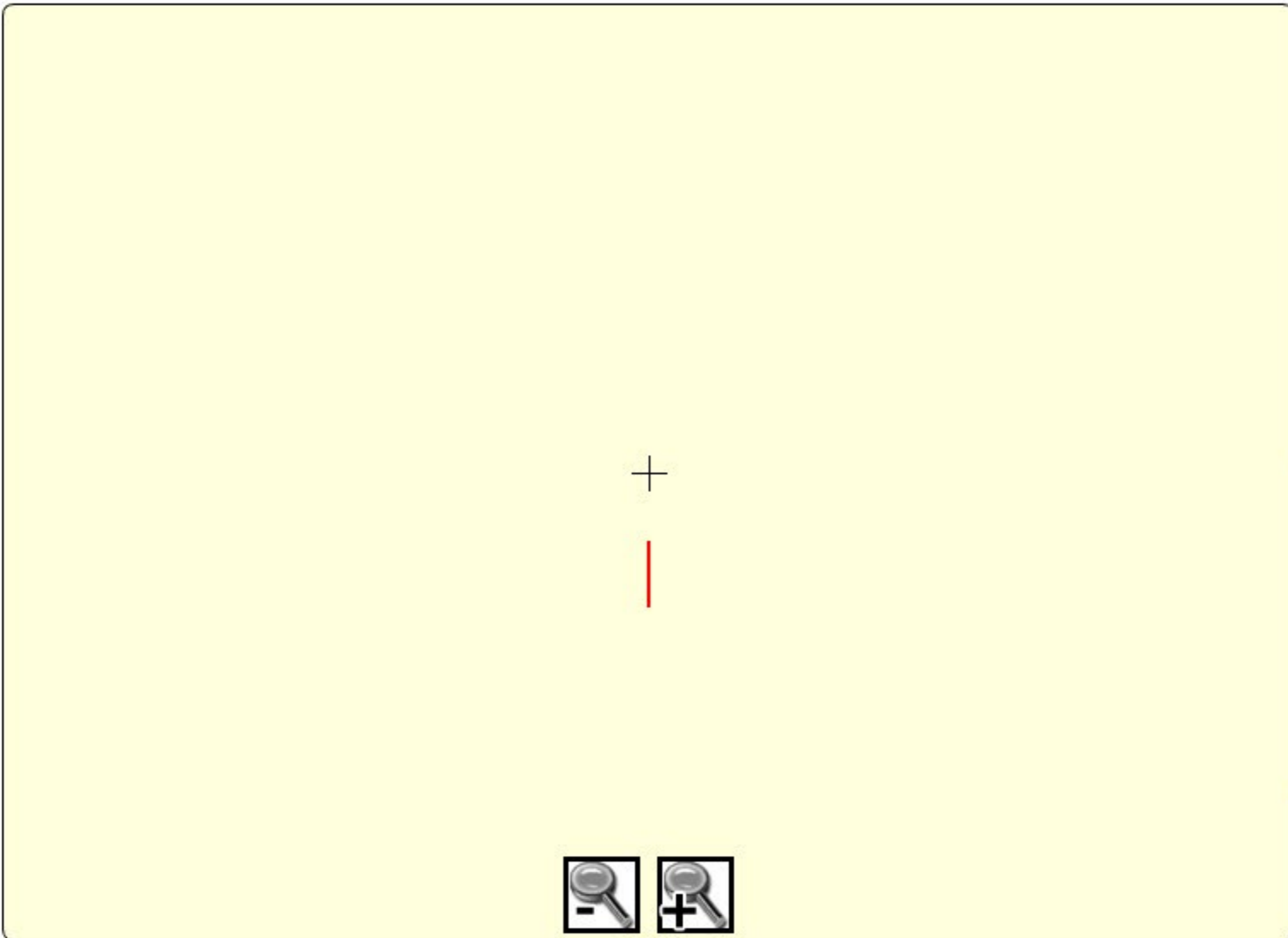
On Map
10.00
10.00



Select Swath To Load



Selected: ===



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

10.00

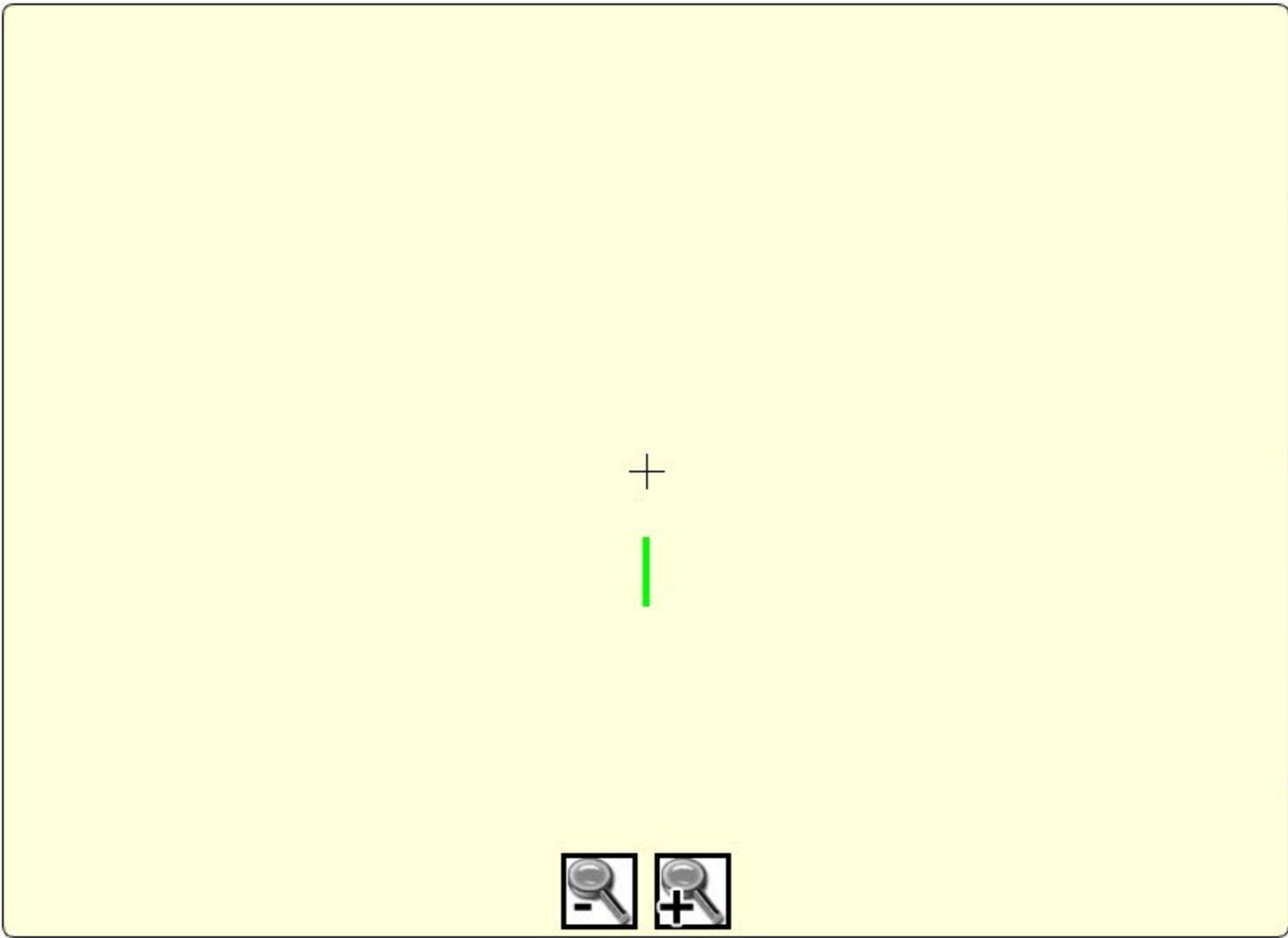
On Map
10.00
10.00



Select Swath To Load



Selected: AB Line



1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

P01 10.00 10.00

⊙ P01	10.00	10.00
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Ouch!



1 2 3 4 5 6 7

On Map


⊙	10.00
●	10.00

Save Guidance Line



Enter file name or select file to replace in list below.

2015-02-10 2059

File	Type	Distance
 AB Line	Straight AB	0 ft

1 71
2 61
N01

0
N01

29 28

N/A
N01

3G
Verizon

10.00

On Map
10.00
10.00



Select Swath To Load



Selected: AB Line

File	Type	Distance
 AB Line	Straight AB	0 ft

1 71
2 61
N01

A gauge with a needle pointing to the right, labeled 'N01'.

0
N01

A gauge with a needle pointing to the right, labeled 'N01'.

29 28

An envelope icon and a triangle icon.

N/A
N01

A globe icon.

3G
Verizon

A bar chart icon with the text 'Verizon' below it.

SBAS

A green checkmark icon.

10.00

A small house icon.

On Map

10.00

10.00

Up and down arrow icons.

1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

👁️ P01 10.00 10.00



On Map
👁️ 10.00
10.00

1 2 3 4 5 6 7



1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

P01 10.00 10.00



On Map
10.00
10.00

1 2 3 4 5 6 7



1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

Target icon Home icon

Eye icon	P01	10.00	10.00
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On Map

Eye icon	10.00
Eye icon	10.00

1 2 3 4 5 6 7



1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

👁️ P01 10.00 10.00

On Map
👁️ 10.00
10.00

1 2 3 4 5 6 7

1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

👁️ P01	10.00	10.00
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On Map

👁️ 10.00
10.00

1 2 3 4 5 6 7



1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

👁️ P01	10.00	10.00
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On Map

👁️ 10.00
10.00

1 2 3 4 5 6 7



1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

👁️ P01	10.00	10.00
--------	-------	-------

On Map

👁️ 10.00
10.00

1 2 3 4 5 6 7

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

👁️ P01 10.00 10.00

On Map
👁️ 10.00
10.00

1 2 3 4 5 6 7

1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

👁️ P01 10.00 10.00



On Map
👁️ 10.00
10.00

1 2 3 4 5 6 7



1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

👁️ P01	10.00	10.00
--------	-------	-------



1 2 3 4 5 6 7

On Map

👁️ 10.00
10.00



1 71
2 61

0.0

SBAS

0
N01

👁️ P01	10.00	10.00
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29	28	29

N/A

N01

13.7
mph

3G

Verizon

On Map

👁️ 10.00
10.00

1 2 3 4 5 6 7

1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

👁️ P01	10.00	10.00
--------	-------	-------



1 2 3 4 5 6 7

On Map

👁️ 10.00
10.00

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

👁️ P01	10.00	10.00
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On Map

👁️ 10.00
10.00

1 2 3 4 5 6 7

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

☉ P01 10.00 10.00

On Map
☉ 10.00
10.00

1 2 3 4 5 6 7



1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

👁️ P01	10.00	10.00
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On Map

👁️ 10.00
10.00

1 2 3 4 5 6 7

1 71
2 61

0.0

SBAS

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

👁️ P01	10.00	10.00
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On Map

👁️ 10.00
10.00

1 2 3 4 5 6 7



1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

👁️ P01	10.00	10.00
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On Map

👁️ 10.00
10.00

1 2 3 4 5 6 7

1 71
2 61

0
N01

29 28 29

N/A
N01

13.7
mph

3G
Verizon

0.0

SBAS

☉ P01 10.00 10.00

On Map
☉ 10.00
10.00

1 2 3 4 5 6 7

