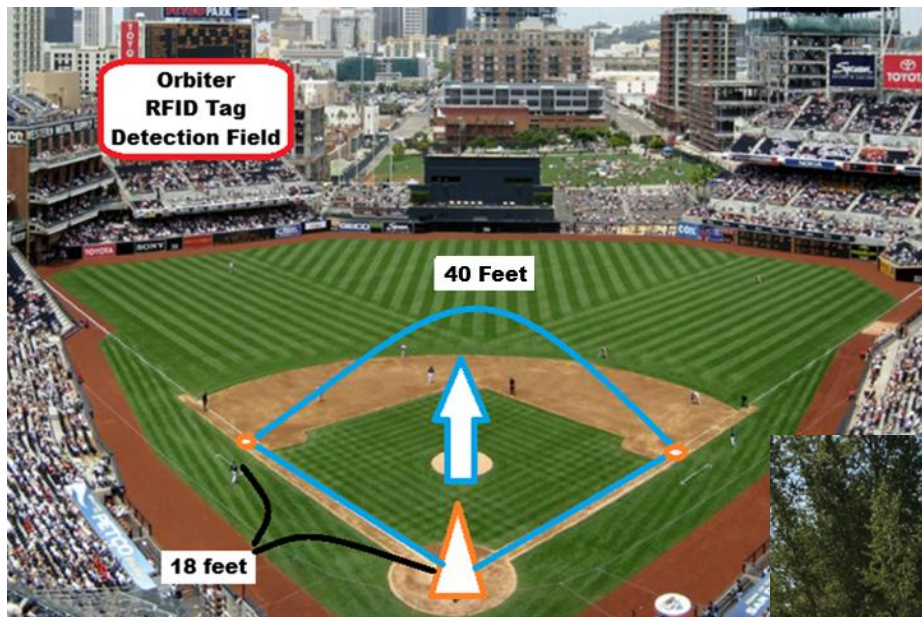


The Icon on your desktop that opens the software.





Control Panel Home

Allow an app or feature through Windows Defender Firewall

Change notification settings

**Turn Windows Defender Firewall on or off**

Restore defaults

Advanced settings

Troubleshoot my network

## Help protect your PC with Windows Defender Firewall

Windows Defender Firewall can help prevent hackers or malicious software from gaining access through the Internet or a network.

Update your Firewall settings

Windows Defender Firewall is not using the recommended settings to protect your computer.

Use recommended settings

[What are the recommended settings?](#)



Private networks

Not configured



Guest or public networks

Configured

Networks in public places such as airports or coffee shops

Windows Defender Firewall state:

Off

Incoming connections:

Block all connections to apps that are not listed as allowed apps

Active public networks:

Orbiter 3

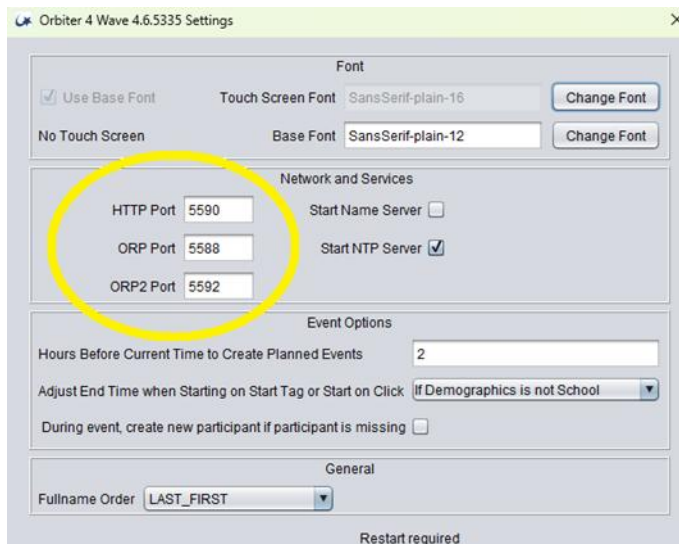
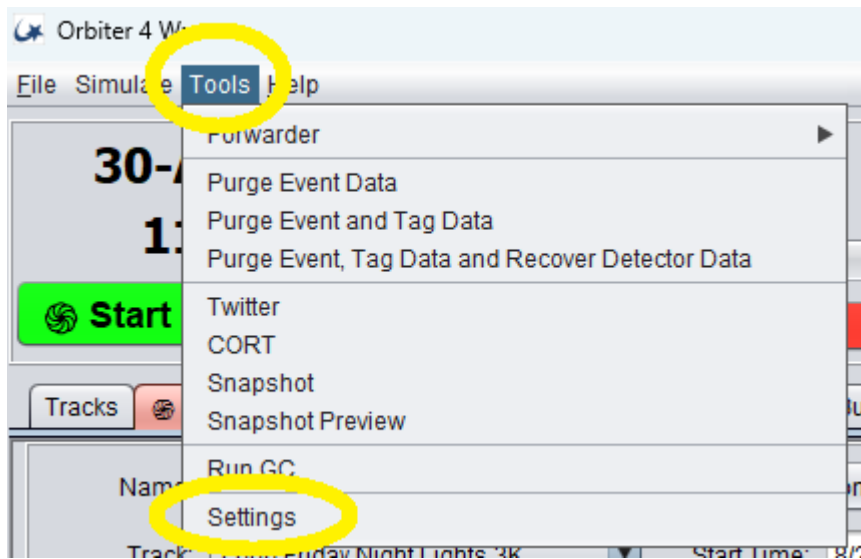
Notification state:

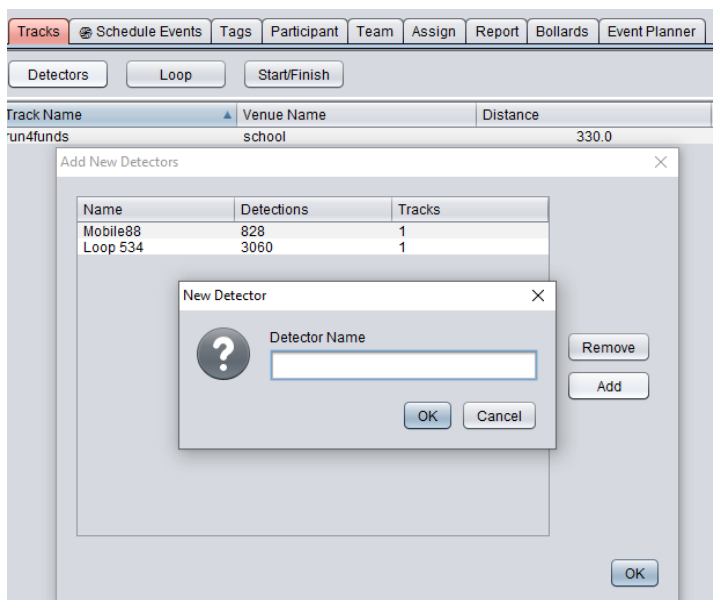
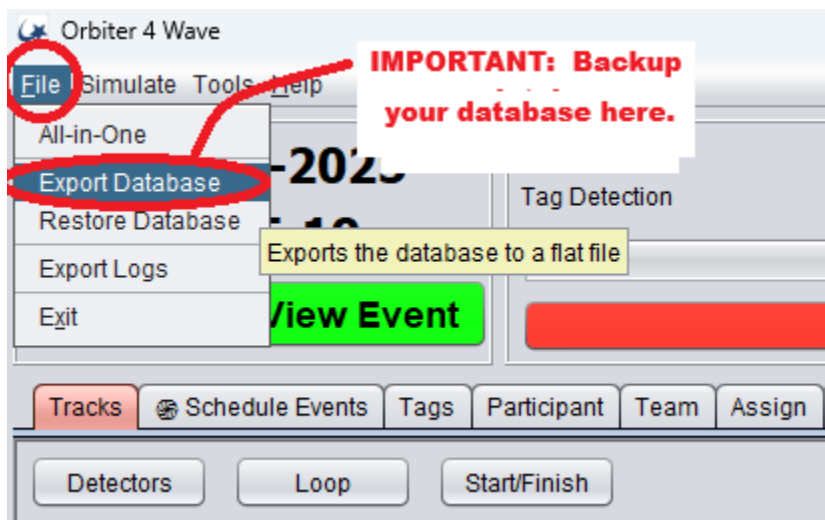
Notify me when Windows Defender Firewall blocks a new app

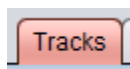
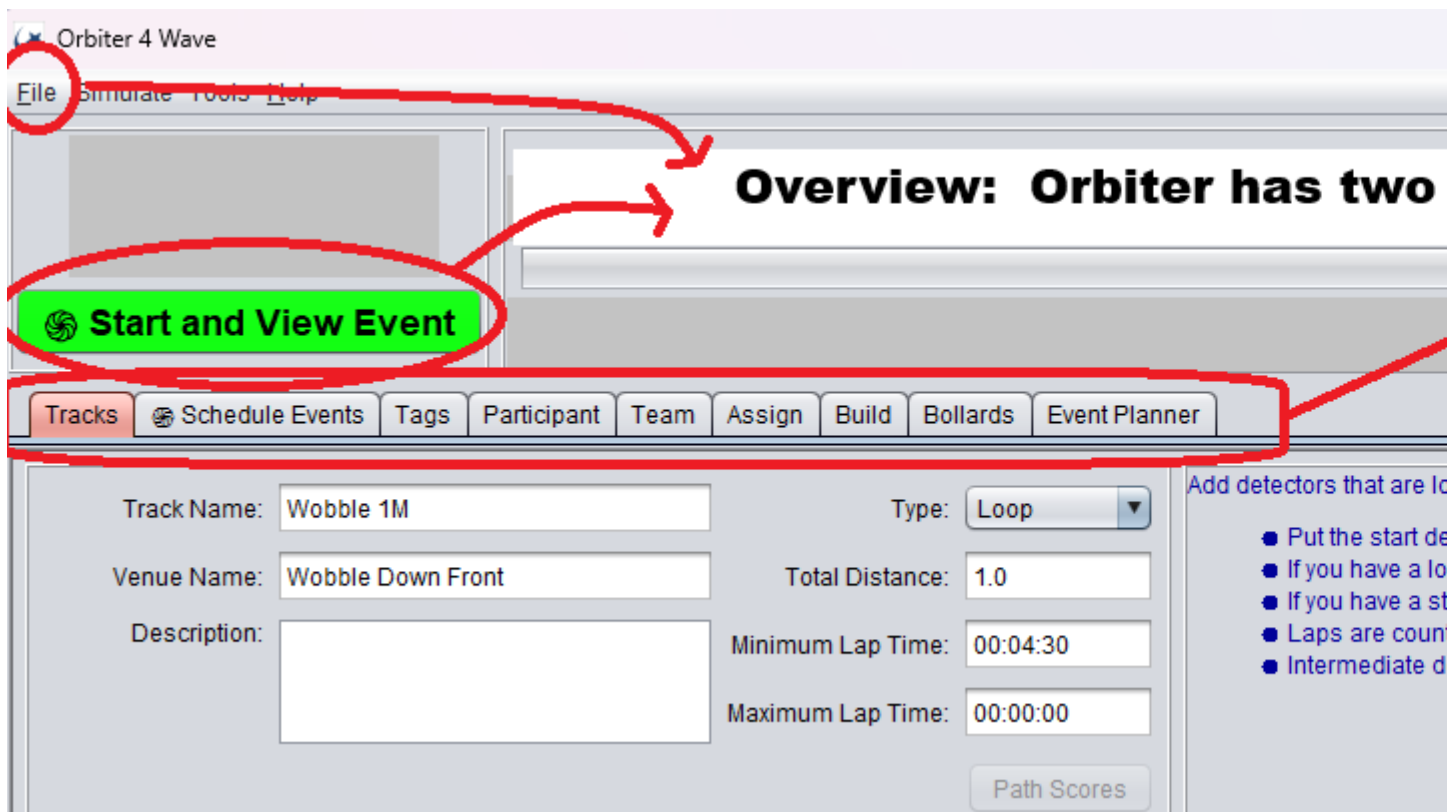
See also

[Security and Maintenance](#)

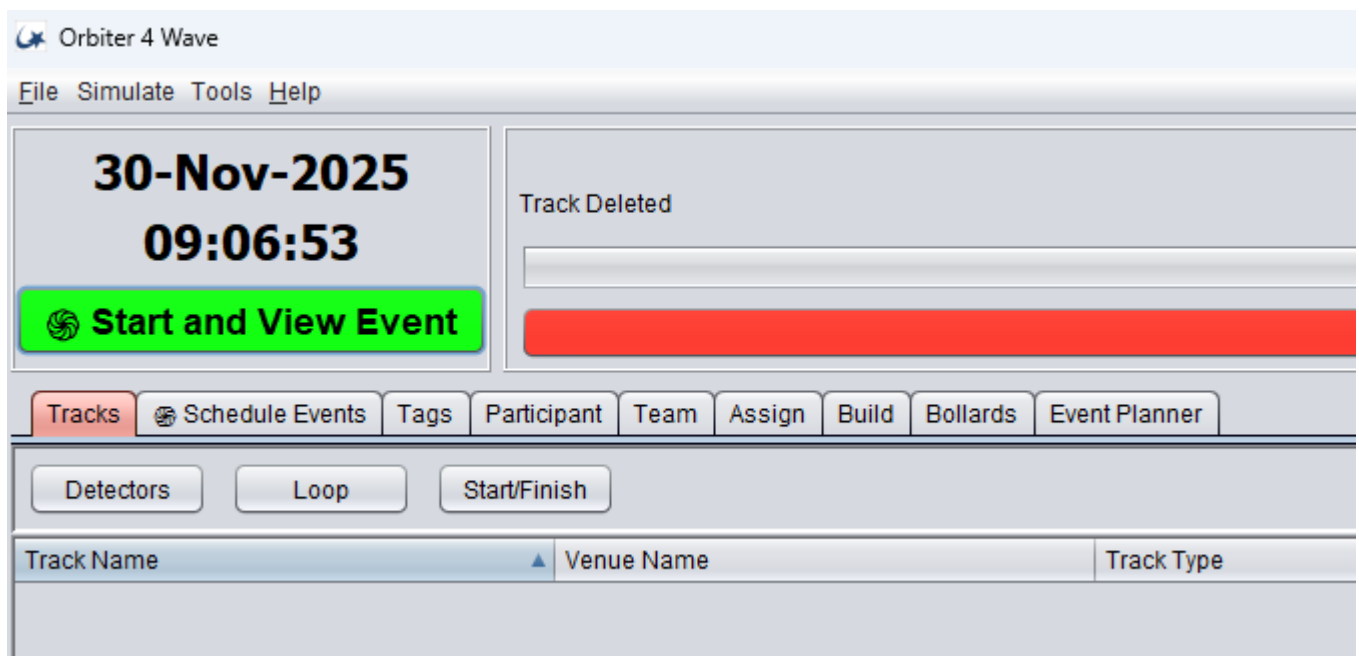
[Network and Sharing Center](#)

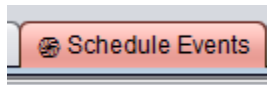
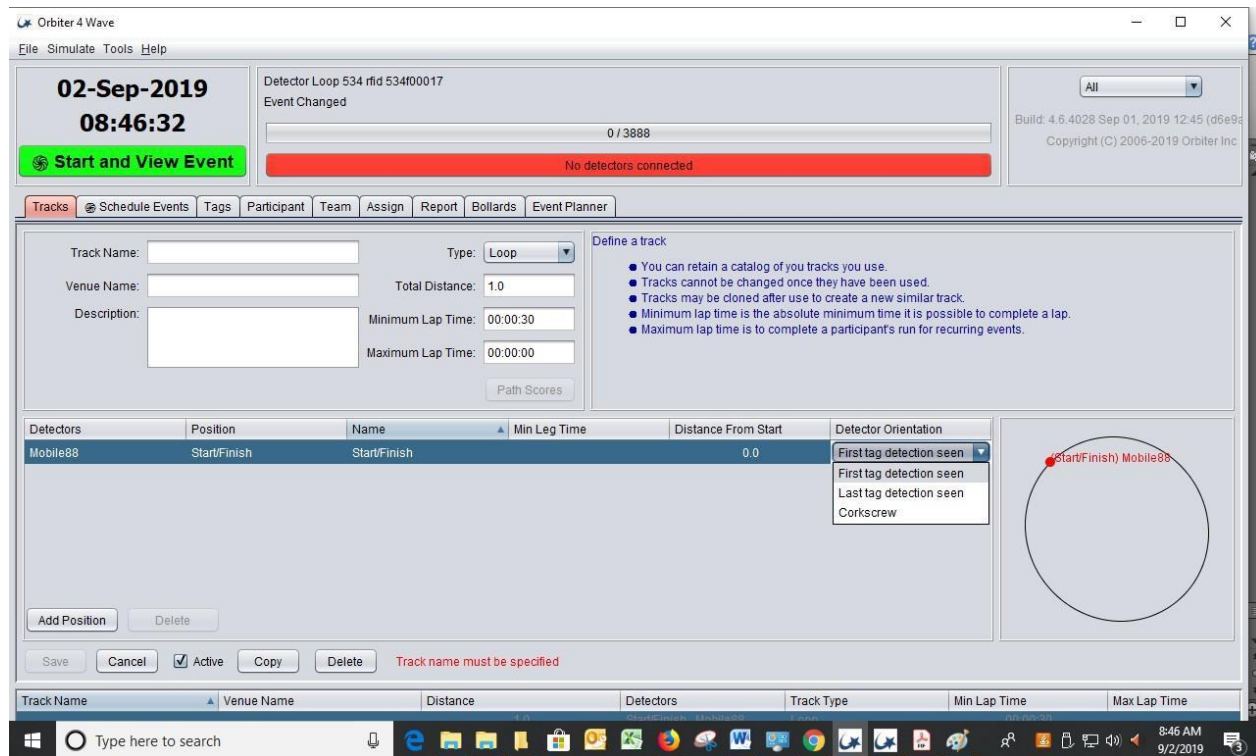






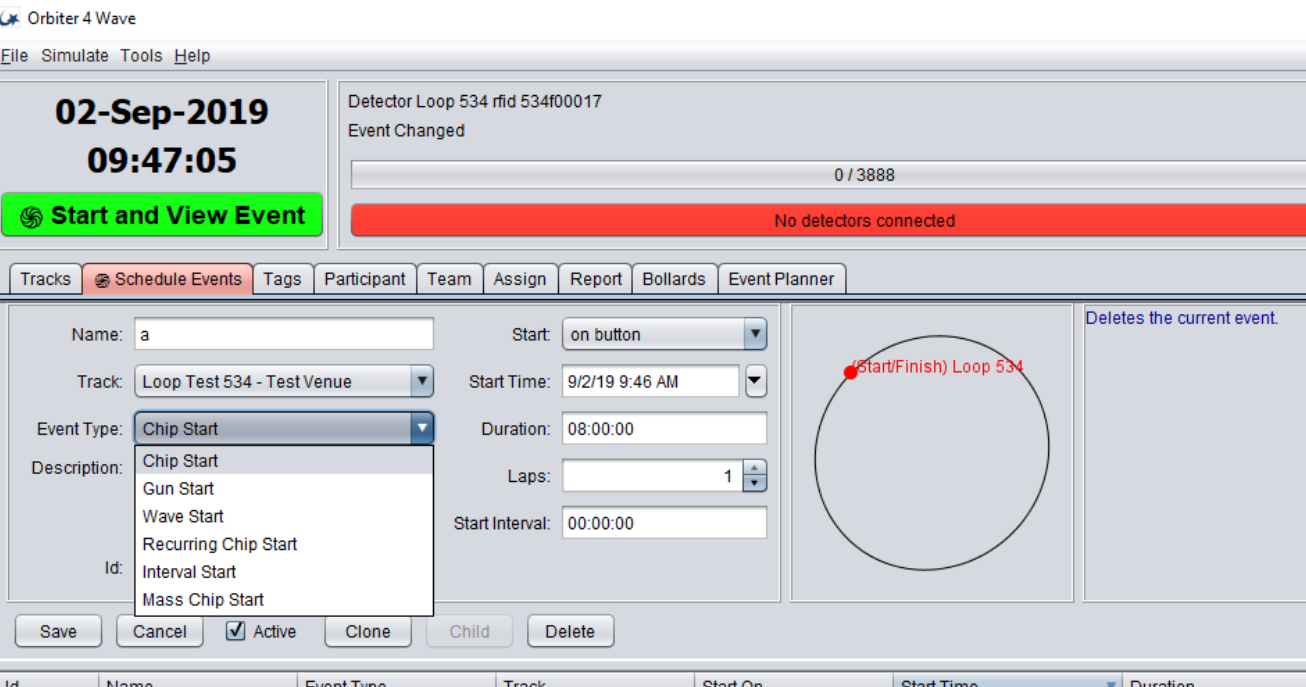
To set up an event, start on the left tab “Tracks” and fill out each tab working from left to right.

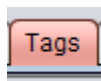




## Schedule Event Tab

:





## Tags tab

Orbiter 4 wave

File Simulate Tools Help

03-Sep-2019

01:25:57

Start and View Event

Tag Detection

Link Status Unknown

Tracks Schedule Events Tags Participant Team Assign Report Bollards Event Planner

Add Tag

Flash Tag

Import Tags

Export Tags

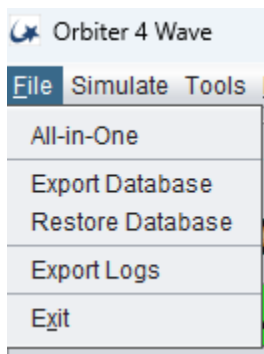
☐ View All

Search

| Tag Type               | Rfid     | Bib Number | User Label | Battery Insert Date |
|------------------------|----------|------------|------------|---------------------|
| Mid-Range Tag - MRT201 | 00000001 | 1          | 1          |                     |
| Mid-Range Tag - MRT201 | 00000002 | 2          | 2          |                     |
| Mid-Range Tag - MRT201 | 00000003 | 3          | 3          |                     |
| Mid-Range Tag - MRT201 | 00000004 | 4          | 4          |                     |
| Mid-Range Tag - MRT201 | 00000005 | 5          | 5          |                     |

All-in-One

Where participants are loaded into the computer and associated with RFID tags in mass using Excel.



Orbiter 4 Wave

File Simulate Tools Help

All-in-One

Export Database

Restore Database

Exit

Start and View Event

Event Changed

Link Status Unknown

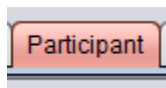
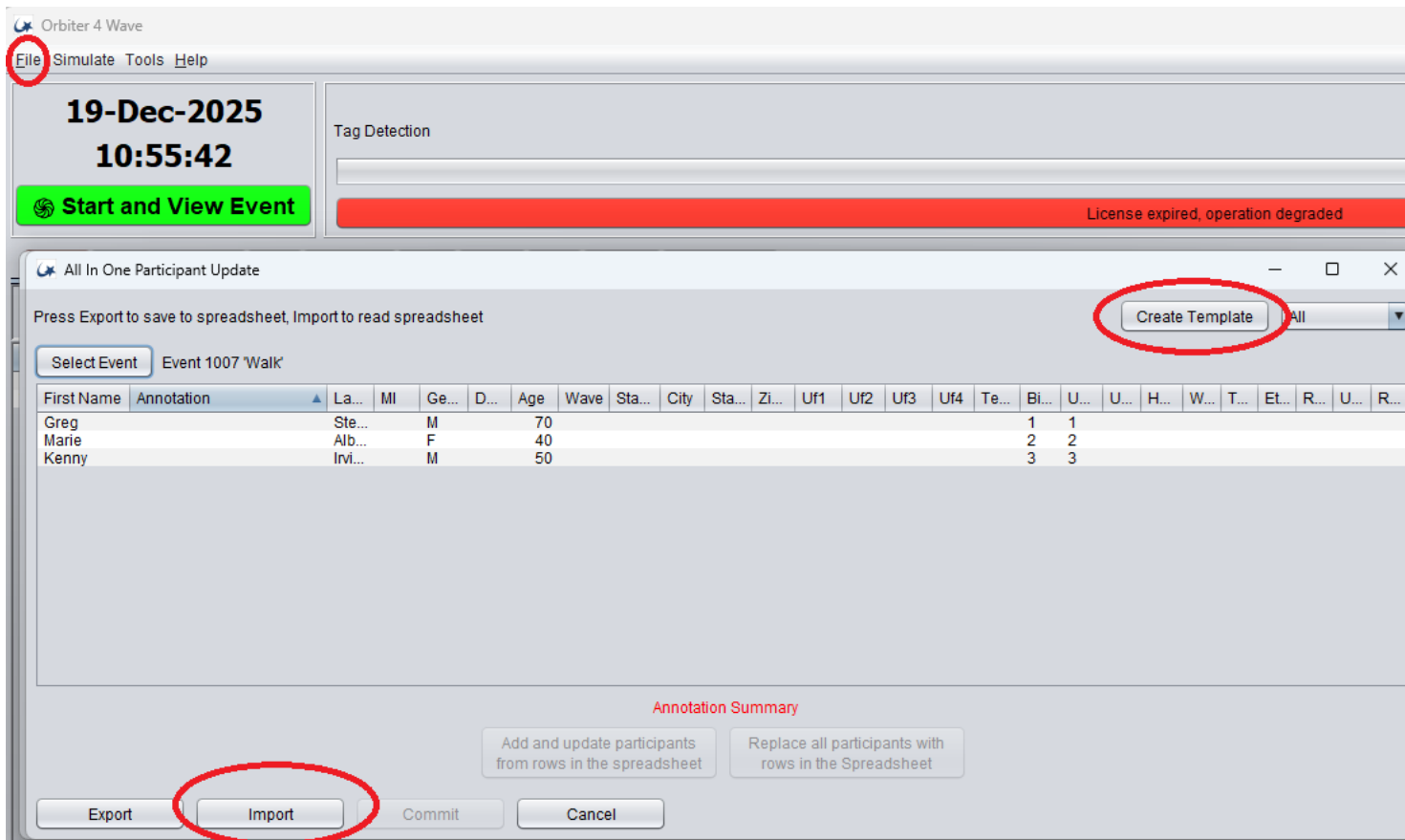
Tracks Schedule Events Tags Participant Team Assign Report Bollards Event Planner

|   | A                                                               | B          | C  | D          | E          | F    | G    | H           | I    | J     | K        | L      | M   | N   | O      | P      | Q         |
|---|-----------------------------------------------------------------|------------|----|------------|------------|------|------|-------------|------|-------|----------|--------|-----|-----|--------|--------|-----------|
| 1 | Participant assignment template on Thu Aug 29 17:30:18 PDT 2019 |            |    |            |            |      |      |             |      |       |          |        |     |     |        |        |           |
| 2 | Last Name                                                       | First Name | MI | Bib Number | User Label | Team | Wave | Start Order | City | State | Zip Code | Gender | DOB | Age | Height | Weight | Ethnicity |
| 3 | Smith                                                           | Jon        |    | 23         | 23         |      |      |             |      |       |          |        |     |     |        |        |           |
| 4 | Jones                                                           | Sally      |    | 24         | 24         |      |      |             |      |       |          |        |     |     |        |        |           |
| 5 | Desiderio                                                       | Eunice     |    | 25         | 25         |      |      |             |      |       |          |        |     |     |        |        |           |
| 6 |                                                                 |            |    |            |            |      |      |             |      |       |          |        |     |     |        |        |           |

The All-In-One Excel Spreadsheet shown above. Cut and paste your runners. into the sheet.

After the Excel is filled out it may be imported into the database.

Create the Excel and import into the database.



Participant Tab, where you may add participants one by one.

Tracks Schedule Events Tags Participant Team Assign Report Bollards Event Planner

First Name: Last Name: M.I.:

City: State: Zip code:

Gender: Unknown Height:

Dob: Age: Weight:

SSN Last 4: Race:

Ethnicity: Unit:

Rank: USATF:

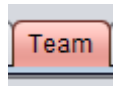
Teacher: UF1:

Class Period: UF2:

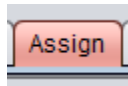
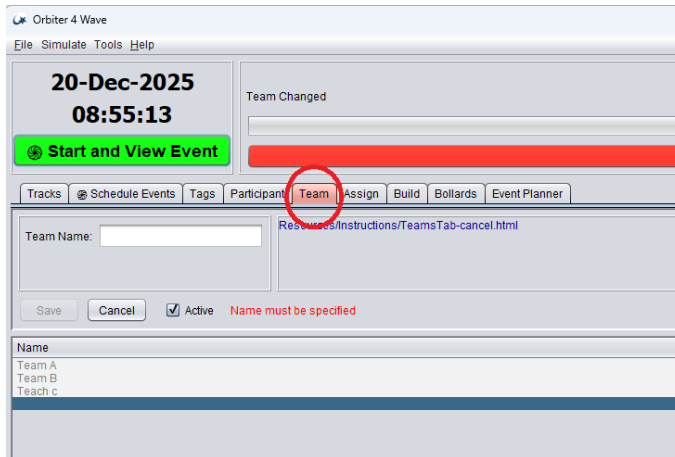
UF3:

UF4:

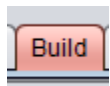
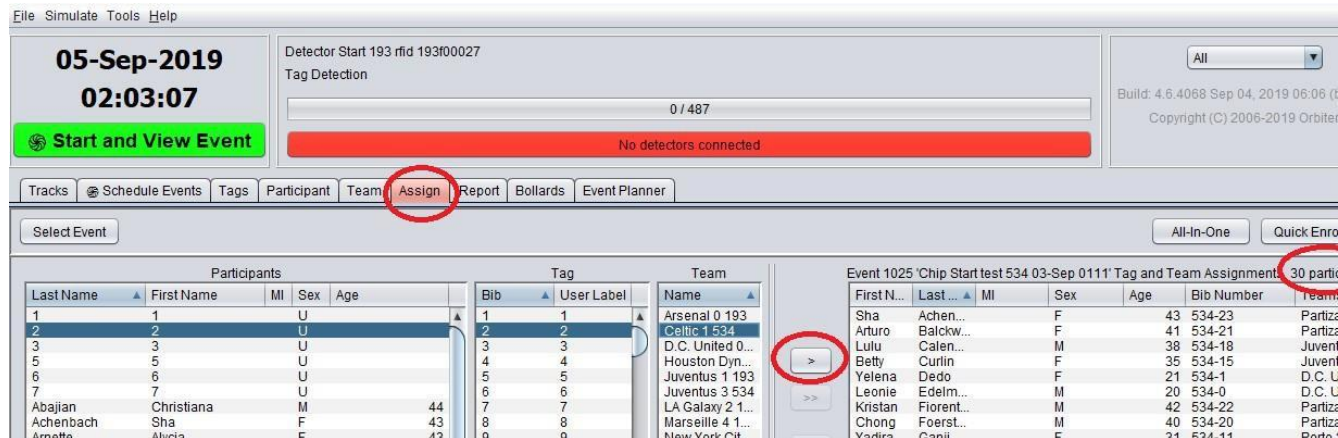
Save Cancel Active Last Name must be specified, First Name must be specified



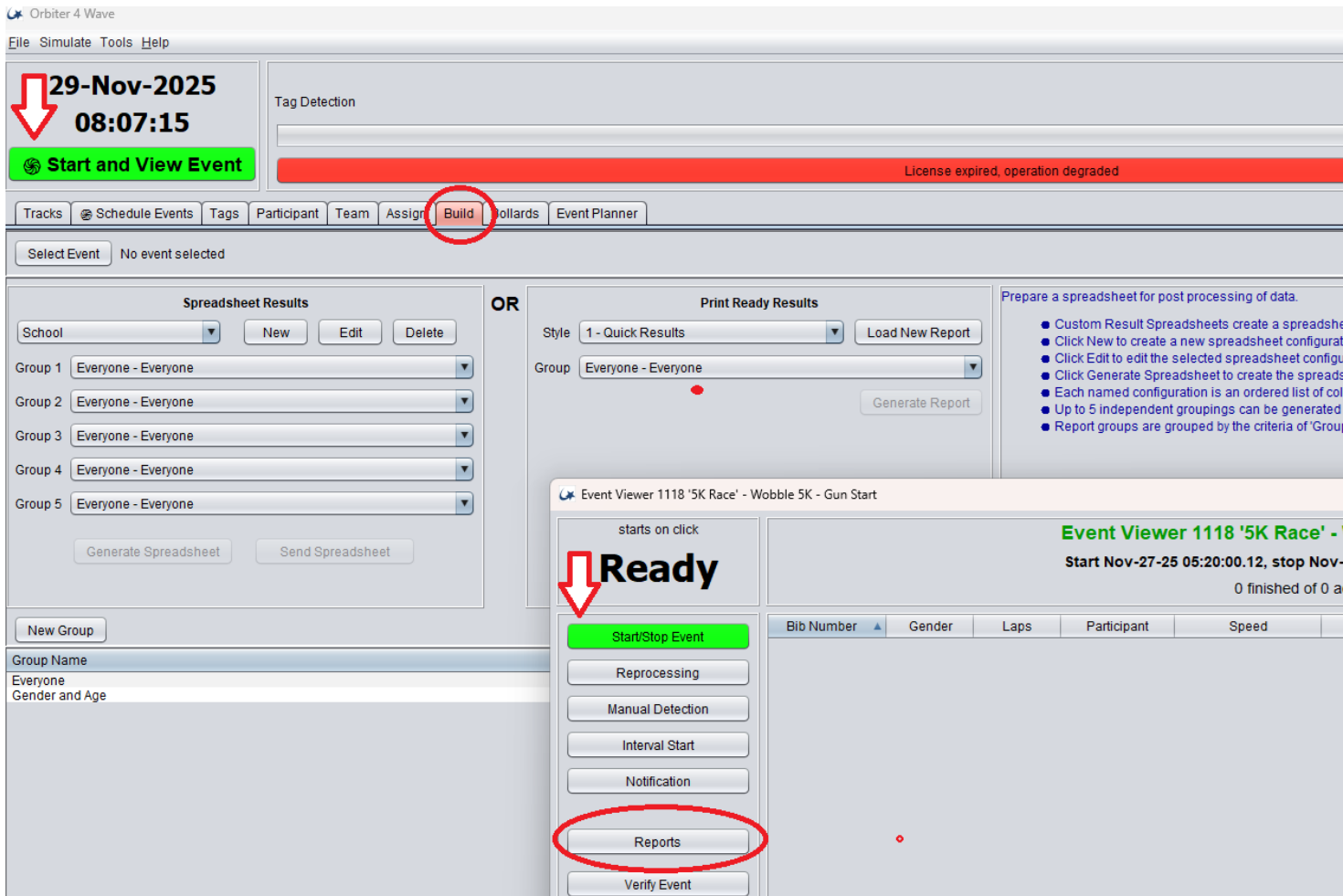
## Team Tab.



## Assign Tab, Double Check everyone is loaded. Look to the right-hand side.



## Make Custom Reports in the “Build” Tab, “Reports”, and “The Start and Event”. (Real Time Viewer).

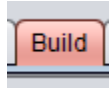


**In summary, there are three areas of the software that**

**address reports.** 1. “Build” reports tab. This is where custom reports are made. This tab is found on the home page to the right of the “Assign” tab. 2. The second location is the “Reports” button found in the green “Start and View Events” section. Click on the green button, and you will go to the real-time viewer where you start your event. Look to the left column, fifth button down and you will see the “Reports” button. This is where pre-programmed custom reports are found in both Excel and .pdf format. Once you make a custom report in the “Build” section, it will automatically be shown in the “Reports” area for use. 3. Live Results are shown in the green “Start and View Events” section.

You can also use advanced features such as cellular results, the CLOUD, and HDMI to display results.

For most professionals, Jasper Reports can be used to provide a network-broadcast level of reporting. Orbiter's reporting method is built on Jasper, a world recognized leader in reporting. This is a favorite program of government agencies and research Universities. However, Orbiter has simplified Jasper for first-time users in the above three methods.



## **More About Making Custom Reports, The “Build” Tab:**

As shown in the screenshot above, clicking the Build Tag will show the event selector button.

Then on the left the “Spreadsheet” Excel (CSV) method and on the right the “Print Ready” or .pdf reporting method.

29-Nov-2025

10:00:48

Start and View Event

Tag Detection

License expired, open

Tracks

Schedule Events

Tags

Participant

Team

Assign

Build

Bollards

Event Planner

Select Event

No event selected

Spreadsheet Results

School

New

Edit

Delete

Group 1

Everyone - Everyone

Group 2

Everyone - Everyone

Group 3

Everyone - Everyone

Group 4

Everyone - Everyone

Group 5

Everyone - Everyone

Generate Spreadsheet

Send Spreadsheet

OR

Print Ready Results

Style

1 - Quick Results

Load New Report

Group

Everyone - Everyone

Generate Report

Event Results Columns - School

Available Columns

Name

eventresultsreportid

organizationid

eventresultid

startpositionid

startpositionname

startposition

starttime

endpositionid

endpositionname

endposition

endtime

eventid

mastereventid

eventdescription

eventtypeid

eventtypename

eventtypedescription

eventstatusid

eventstatusname

eventlaps

eventstarttime

eventendtime

starttagi

starttagi

trackname

username

Column Name

teacher

bibnumber

lapcount

distance

firstname

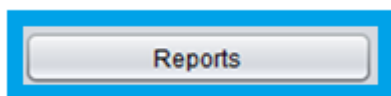
lastname

teamname

New Group

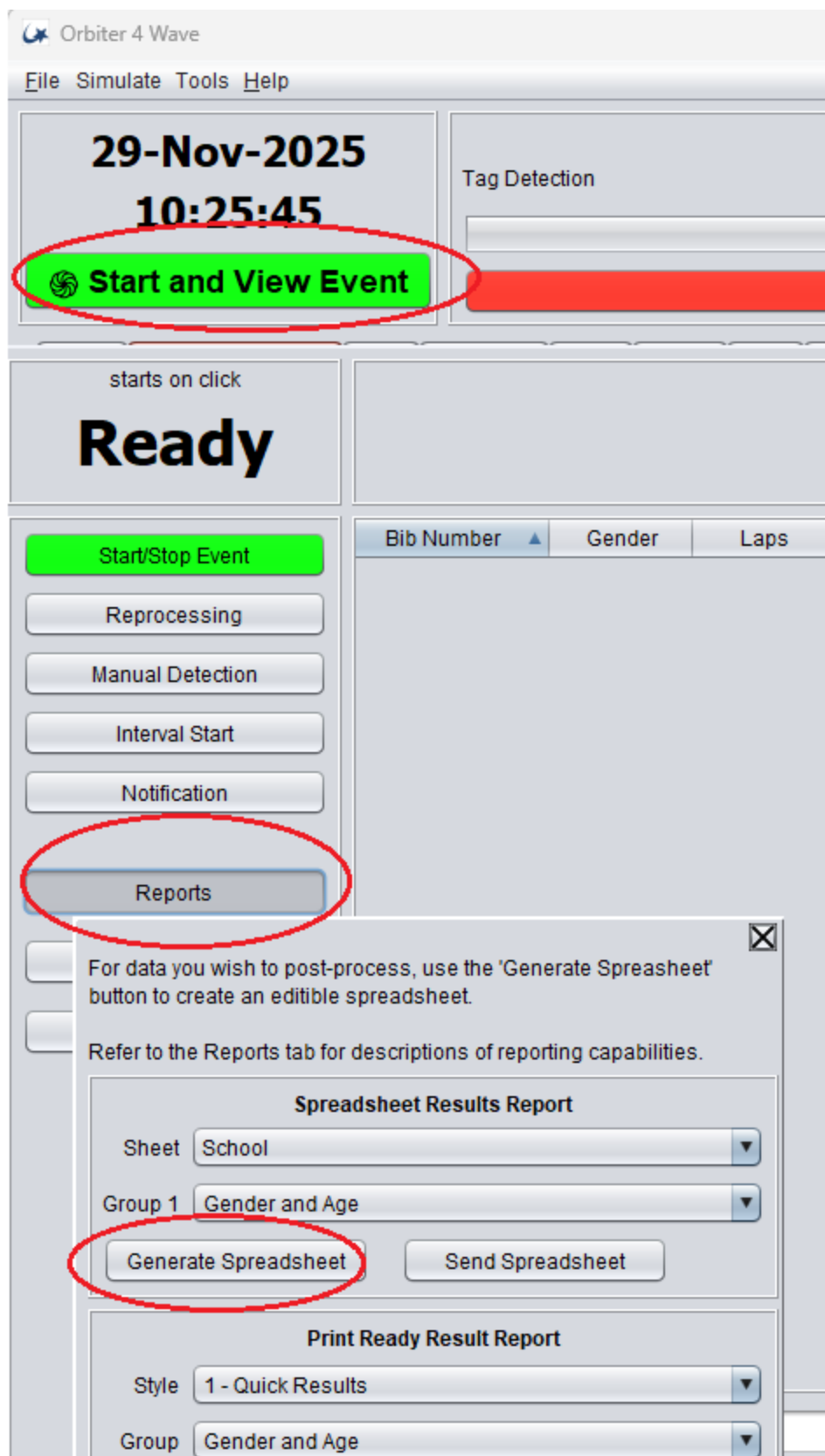
| Group Name     | Groupings                                     |
|----------------|-----------------------------------------------|
| Everyone       | Everyone                                      |
| Gender and Age | Gender , Age 11 and under, 12-17, 18 and over |

To Change Age results type directly into here.



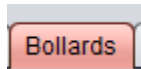
## Printing a Report:

Once a report has been designed and saved in the Build tab, it will automatically be ready to print over in the “Start and View Events” page.



To summarize, the areas to find reports are

(1) The home page "Report Tab", (2) The "Event Viewer" under Reports, (3) Real-time results "Event Viewer" where live results are shown.



## Bollard Tab: Live Reader Condition Monitoring (Bollards are also called Detectors and RFID Readers).

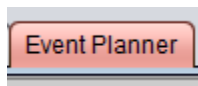
This confirms a live connection between your computer and the RFID detectors. (Your detectors also work

With no live connection during a race. You can connect after the race too.

The screenshot shows the 'Bollards' tab in the software. At the top, a green status bar indicates 'All detectors connected'. Below this, a table lists connected bollards with columns for Name, IP Address, Connected, Heartbeat, Software, Version, Time Sync, and Detection. The table shows three entries for 'B Transition 193', 'A Transition 193', and 'Start 193', all connected and reporting 'On connect' status. To the right of the table are buttons for 'Upload', 'View Detectors', and 'Clear Logs'. Below the table, there are two sections: 'Unassigned tag detections and messages' on the left and 'Tag detections' on the right. The 'Tag detections' section lists various tag IDs and their corresponding 'Leave' times.

| Name             | IP Address           | Connected               | Heartbeat | Software    | Version | Time Sync  | Detection             |
|------------------|----------------------|-------------------------|-----------|-------------|---------|------------|-----------------------|
| B Transition 193 | B Transition 193.sys | 09/05/2019 01:56:56.465 |           | Test Reader | 1.0     | On connect | 09/05/2019 01:57:44.2 |
| A Transition 193 | A Transition 193.sys | 09/05/2019 01:56:56.442 |           | Test Reader | 1.0     | On connect | 09/05/2019 01:57:54.0 |
| Start 193        | Start 193.sys        | 09/05/2019 01:56:56.420 |           | Test Reader | 1.0     | On connect | 09/05/2019 01:56:58.9 |

| Tag ID                      | Leave Time                    |
|-----------------------------|-------------------------------|
| A Transition 193: 192f00020 | Leave 09/05/2019 01:57:53.544 |
| A Transition 193: 192f00007 | Leave 09/05/2019 01:57:53.577 |
| A Transition 193: 192f00014 | Leave 09/05/2019 01:57:53.610 |
| A Transition 193: 192f00019 | Leave 09/05/2019 01:57:53.642 |
| A Transition 193: 192f00028 | Leave 09/05/2019 01:57:53.676 |
| A Transition 193: 192f00005 | Leave 09/05/2019 01:57:53.709 |
| A Transition 193: 192f00009 | Leave 09/05/2019 01:57:53.742 |
| A Transition 193: 192f00002 | Leave 09/05/2019 01:57:53.775 |
| A Transition 193: 192f00023 | Leave 09/05/2019 01:57:53.808 |
| A Transition 193: 192f00011 | Leave 09/05/2019 01:57:53.841 |
| A Transition 193: 192f00003 | Leave 09/05/2019 01:57:53.874 |
| A Transition 193: 192f00016 | Leave 09/05/2019 01:57:53.907 |
| A Transition 193: 192f00004 | Leave 09/05/2019 01:57:53.940 |
| A Transition 193: 192f00000 | Leave 09/05/2019 01:57:53.973 |
| A Transition 193: 192f00029 | Leave 09/05/2019 01:57:54.006 |
| A Transition 193: 192f00022 | Leave 09/05/2019 01:57:54.039 |



## Event Planner: The PE Class Scheduler with Automated Start and Stop for large school districts.

The screenshot shows the 'Event Planner' tab in the software. At the top, a red status bar indicates 'No detectors connected'. Below this, a navigation bar includes buttons for 'Tracks', 'Schedule Events', 'Tags', 'Participant', 'Team', 'Assign', 'Report', 'Bollards', and 'Event Planner'. The 'Event Planner' button is highlighted. Below the navigation bar, there are buttons for 'Create Today's Events', 'Today', 'Previous', 'Next', and 'Schedule Event'. The main area displays a calendar for September 2019. On the left, there is a 'Calendars' section with checkboxes for 'Design', 'Pending', 'Active', 'Closed', and 'Catching Up'. The calendar shows dates from Sunday, Sep 1 to Wednesday, Sep 4. A 'Create Event Schedule' dialog box is open, showing a 'Master Event' of '1023 b' and a 'Start' time of '9/2/19 1:15 AM'. The dialog also includes options for 'End', 'Until', and 'Repeats' (Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday).

Event Viewer 1023 'b' - run4funds - Chip Start

ran for

# 00:00:39

## Event Viewer 1023 'b' - run4funds - Chip Start

Start Sep-02-19 01:15:57.38, stop Sep-02-19 01:16:36.65 - Closed

0 finished of 0 active

ton

Start/Stop Event

Reprocessing

Manual Detection

Interval Start

Notification

Reports

Verify Event

View Web

**Start and View Event** → The Green Start and View Events Page

Tracks Schedule Events Tags Participant Team Assign Report Bollards Event Planner

Detectors Loop Start/Finish View All Search

| Track Name | Venue Name | Distance | Detectors                        | Track 1 |
|------------|------------|----------|----------------------------------|---------|
| run4funds  | school     | 330.0    | Start/Finish , Mobile88          | Loop    |
| Test 193   | Test Venue | 300.0    | Position 0 , Start 193, Posit... | Loop    |
| Test 534   | Test Venue | 100.0    | Position 0 , Loop 534            | Loop    |

Everything else shown is the "Home page"

Orbiter 4 Wave

File Simulate Tools Help

# 06-Sep-2019

## 01:34:28

Start and View Event

Tag Detection

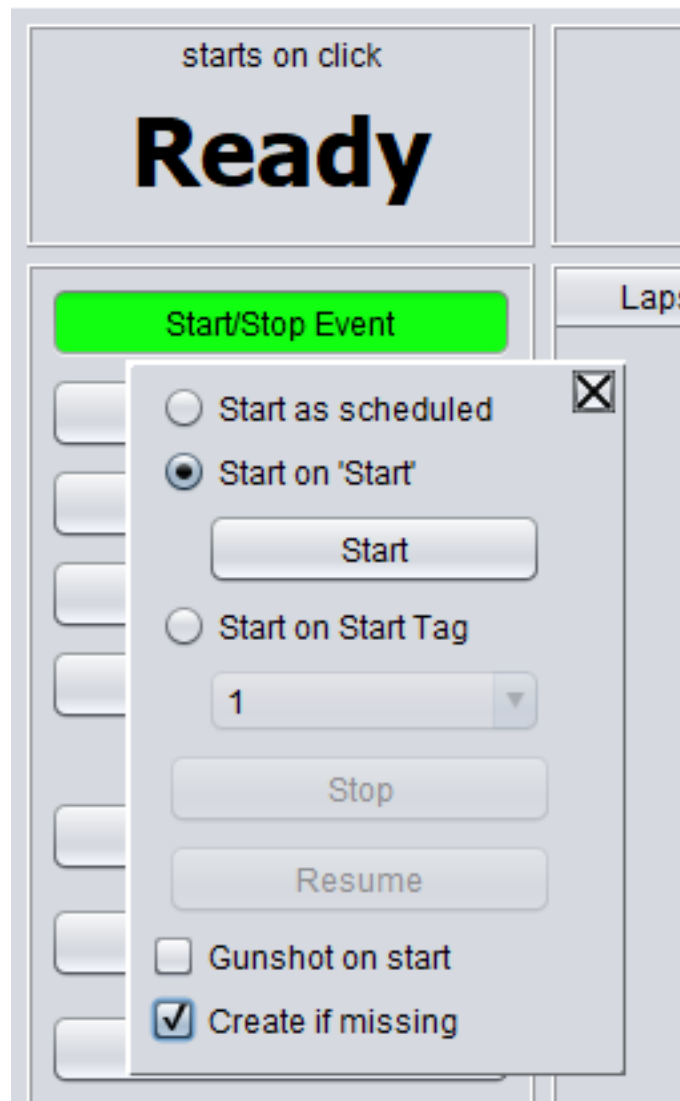
Pending Master Closed

1022 'a' Wed Aug 28 21:05:21 PDT 2019

1026 'b' 03-Sep 0112' Tue Sep 03 02:12:36 PDT 2019

Tracks Schedule Events Tags Assign Report Bollards Event Planner





**Assign tab: Double-checking everyone is in the event. People in the event are shown in the red box below.**

**Total number of people in our event are shown in the red circle on the right top. .**

Printer 4 wave

File Simulate Tools Help

**19-Dec-2025**  
**10:49:31**

**Start and View Event**

Tag Detection

License expired, operation degraded

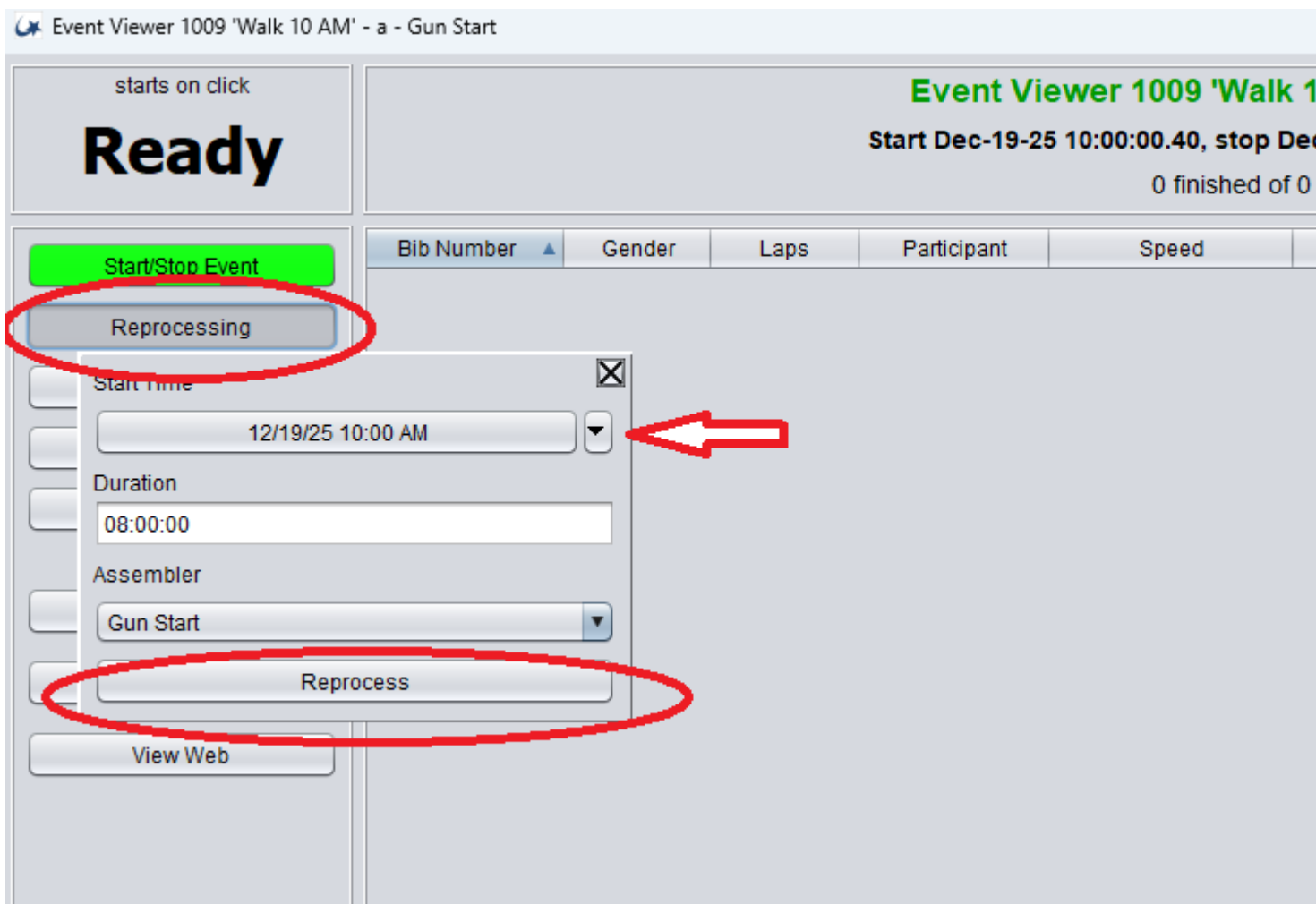
Tracks Schedule Events Tags Participant Team **Assign** Build Bollards Event Planner

Select Event

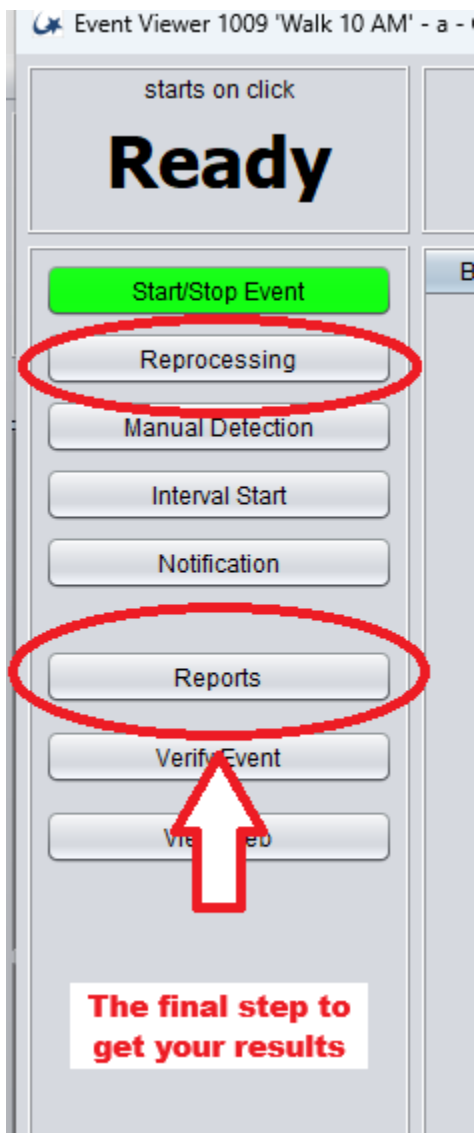
| Participants |            |   |     |     | Tag |            | Team             | Event 1008 Wave Start ABBA Triathlon test 41 |            |                  |            |
|--------------|------------|---|-----|-----|-----|------------|------------------|----------------------------------------------|------------|------------------|------------|
| Last Name    | First Name | M | Sex | Age | Bib | User Label | Name             | Last Name                                    | First Name | Teams            | Bib Number |
| Adelsperger  | Venice     |   | F   | 45  | 1   | 1          | Atlanta Unite... | Petroff                                      | Carolyn    |                  | 410-29     |
| Albert       | Marie      |   | F   | 40  | 2   | 2          | Borussia MA...   | Lindamood                                    | Jackie     |                  | 410-28     |
| Arlia        | Alexandria |   | M   | 36  | 3   | 3          | Montreal Imp...  | Hearl                                        | Jamie      |                  | 410-27     |
| Coudriet     | Collen     |   | M   | 24  | 4   | 4          | Partizan 5 410   | Grismore                                     | James      |                  | 410-26     |
| Dauphinais   | Emilio     |   | M   | 28  | 5   | 5          | Portland Tim...  | Adelsperger                                  | Venice     |                  | 410-25     |
| Figart       | Toshia     |   | F   | 21  | 6   | 6          | Steaua Bucur...  | Nothnagel                                    | Miki       |                  | 410-24     |
| Grabski      | Jerrica    |   | F   | 27  | 7   | 7          | Vancouver W...   | Pozar                                        | Angie      |                  | 410-23     |
| Grismore     | James      |   | M   | 46  | 8   | 8          |                  | Northover                                    | Deandre    | Atlanta Unite... | 410-22     |
| Hearl        | Jamie      |   | F   | 47  | 9   | 9          |                  | Kapler                                       | Bennett    | Montreal Imp...  | 410-21     |
| Irvine       | Kenny      |   | M   | 50  | 10  | 10         |                  | Lothar                                       | Apryl      | Portland Tim...  | 410-20     |
| Kapler       | Bennett    |   | F   | 41  | 11  | 11         |                  | Stovall                                      | Merrilee   | Partizan 5 410   | 410-19     |
| Kochkodin    | Clayton    |   | F   | 37  | 12  | 12         |                  | Lockaby                                      | Warner     | Borussia MA...   | 410-18     |
| Korhonen     | Henry      |   | M   | 34  | 13  | 13         |                  | Kochkodin                                    | Clayton    | Vancouver W...   | 410-17     |
| Lenort       | Manual     |   | M   | 20  | 14  | 14         |                  | Arlia                                        | Alexandria | Steaua Bucur...  | 410-16     |
| Lindamood    | Jackie     |   | M   | 48  | 15  | 15         |                  | Trimarco                                     | Lyle       | Atlanta Unite... | 410-15     |
| Lockaby      | Warner     |   | M   | 38  | 16  | 16         |                  | Korhonen                                     | Henry      | Montreal Imp...  | 410-14     |
| Lothar       | Apryl      |   | M   | 40  | 17  | 17         |                  | Piraino                                      | Glennis    | Portland Tim...  | 410-13     |
| Merrih       | Georgiann  |   | M   | 32  | 18  | 18         |                  | Merrih                                       | Georgiann  | Partizan 5 410   | 410-12     |
| Northover    | Deandre    |   | M   | 42  | 19  | 19         |                  | Sin                                          | Dirk       | Borussia MA...   | 410-11     |
| Nothnagel    | Miki       |   | M   | 44  | 20  | 20         |                  | Smart                                        | Ardelle    | Vancouver W...   | 410-10     |
| Petroff      | Carolyn    |   | F   | 49  | 21  | 21         |                  | Showes                                       | Forrest    | Steaua Bucur...  | 410-9      |
| Piraino      | Glennis    |   | F   | 33  | 22  | 22         |                  | Dauphinais                                   | Emilio     | Atlanta Unite... | 410-8      |
| Plainy       | Su         |   | M   | 22  | 23  | 23         |                  | Grabski                                      | Jerrica    | Montreal Imp...  | 410-7      |
| Pozar        | Angie      |   | F   | 43  | 24  | 24         |                  | Silcox                                       | Myrna      | Portland Tim...  | 410-6      |
| Prudent      | Nicky      |   | F   | 25  | 25  | 25         |                  | Prudent                                      | Nicky      | Partizan 5 410   | 410-5      |
| Seppala      | Darcy      |   | F   | 23  | 26  | 26         |                  | Coudriet                                     | Collen     | Borussia MA...   | 410-4      |
| Showes       | Forrest    |   | F   | 29  | 27  | 27         |                  | Seppala                                      | Darcy      | Vancouver W...   | 410-3      |
| Silcox       | Myrna      |   | M   | 26  | 28  | 28         |                  | Plainy                                       | Su         | Steaua Bucur...  | 410-2      |
| Sin          | Dirk       |   | F   | 31  | 29  | 29         |                  | Figart                                       | Toshia     | Atlanta Unite... | 410-1      |
| Smart        | Ardelle    |   | M   | 30  | 30  | 30         |                  | Leard                                        | Manuel     | Montreal Imp...  | 410-0      |
| Stewart      | Greg       |   | M   | 70  | 31  | 31         |                  |                                              |            |                  |            |

**Start your race using “Reprocessing” when you need to set the Start after the fact.**

**Using the “Now” button always starts in real time.**

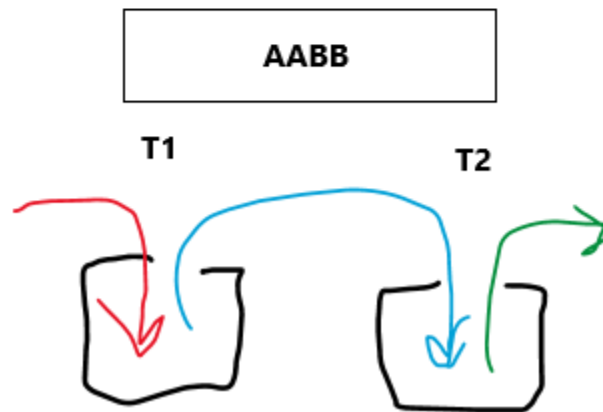
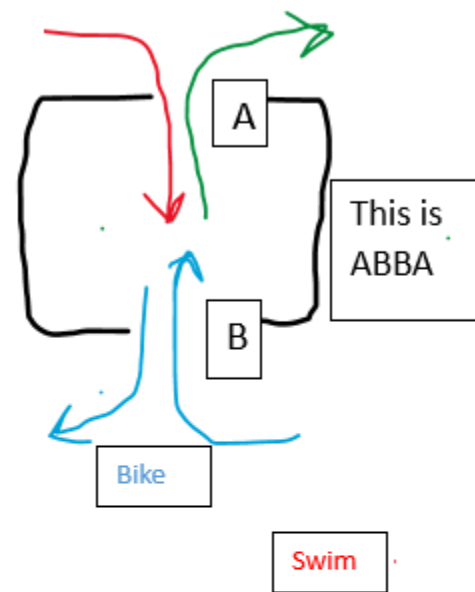
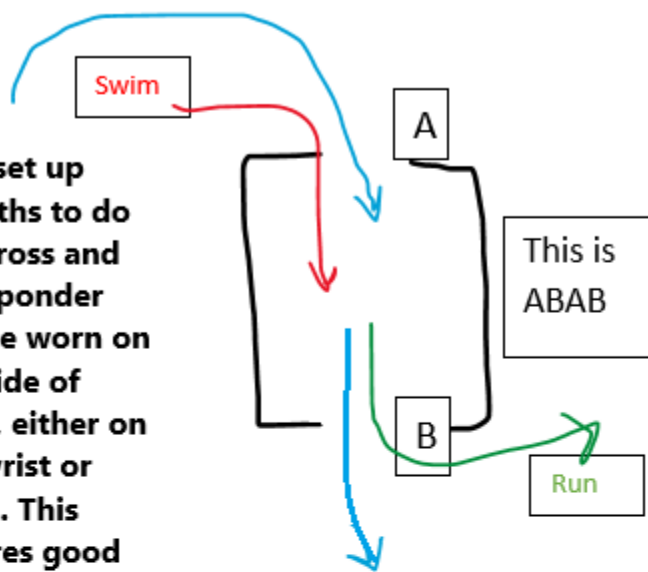


to start your cloned event and get your results. Repeat this for each new test run.



## Triathlon Set-Up and Multi-Event Races:

Safe set up as paths to do not cross and transponder can be worn on left side of body, either on the wrist or ankle. This ensures good tag detects.



Orbiter 4 Wave

FileSimulateToolsHelp

27-Aug-2023  
15:42:15

Start and View Event

Tag Detection

2825/7282(2599)MB 6gc

Race Timing

Build: 4.6.5202 Nov 10, 2022 06:17  
Copyright (C) 2006-2023 Orbiter

TracksSchedule EventsTagsParticipantTeamAssignBuildBollardsEvent Planner

Track Name: TRI

Type: Loop

Venue Name: MyVenue

Description:

Total Distance: 3.0

Minimum Lap Time: 01:10:00

Maximum Lap Time: 00:00:00

Path Scores

Add detectors that are located on your track.

- Put the start detectors at position 0.
- If you have a loop track, this will also be your finish detector.
- If you have a start/finish track, put the finish line detectors at the last position.
- Laps are counted and the start position for loop tracks, and at the last position for start of finish.
- Intermediate detectors may be placed on the track to ensure that participants reach the intermediate points.

| Distance From Start | Detector Orientation     | Detectors | Name         | Min Lap Time | Position     |
|---------------------|--------------------------|-----------|--------------|--------------|--------------|
| 2.0                 | First tag detection seen | Mobile200 | Mid track 2  | 00:09:10     | Mid track 2  |
| 1.0                 | First tag detection seen | Mobile177 | Mid track 1  | 00:30:10     | Mid track 1  |
| 0.0                 | First tag detection seen | Mobile120 | Start/Finish | 00:09:00     | Start/Finish |

First tag detection seen

First tag detection seen

Last tag detection seen

Corkscrew

Add PositionDelete

SaveCancelActiveCopyDeleteTrack has detections and cannot add or delete positions; Track used by event, cannot delete track

| Track Name | Venue Name | Track Type | Detectors | Distance | Min Lap Time | Max Lap Time |
|------------|------------|------------|-----------|----------|--------------|--------------|
|------------|------------|------------|-----------|----------|--------------|--------------|

Orbiter 4 Wave

FileSimulateToolsHelp

27-Aug-2023  
15:47:30

Start and View Event

Tag Detection

2825/7282(2556)MB 6gc

Race Timing

Build: 4.6.5202 Nov 10, 2022 06:17  
Copyright (C) 2006-2023 Orbiter

TracksSchedule EventsTagsParticipantTeamAssignBuildBollardsEvent Planner

Name: Rock The Rind

Track: Loop TRI - TEST

Event Type: Chip Start 3 Detector Triathlon A

Description: Wave Start 3 Detector Triathlon

Scoring: Interval Start

Save

Start: on button

Start Time: 7/8/23 6:03 AM

Duration: 02:14:25

Laps: 1

Start Interval: 00:00:00

Id: 1011

ChildDelete

Schedule an event

- Give your event a name.
- Select the track from your track list.
- Select the event type. Common types are Gun Start, Chip Start and Wave Start.
- Give your event a description.
- Select how you would like the event to be started.
- Set the event duration. Set it much longer than needed for single events.
- Set the number of laps for a participant to complete the event.

| Id   | Name          | Event Type                        | Track           | Start On  | Start Time     | Duration | Laps | Status  | Master |
|------|---------------|-----------------------------------|-----------------|-----------|----------------|----------|------|---------|--------|
| 1011 | Rock The Rind | Chip Start 3 Detector Triathlon A | Loop TRI - TEST | on button | 7/8/23 6:03 AM | 02:14:25 | 1    | Created |        |

pg. 26

ran for

02:14:25

Event Viewer 1011 'Rock The Rind' - TRI - Chip Start 3 Detector Triathlon ABAB

Start Jul-08-23 06:03:09.23, stop Jul-08-23 08:17:34.59 - Closed

79 finished of 84 active

Step 1

Start/Stop Event

Reprocessing

Manual Detection

Interval Start

Notification

Step 2

Reports

For data you wish to post-process, use the 'Generate Spreadsheet' button to create an editable spreadsheet.

Refer to the Reports tab for descriptions of reporting capabilities.

Spreadsheet Results Report

Sheet School

Group 1 Everyone

Generate Spreadsheet

Send Spreadsheet

Step 3

Print Ready Result Report

Style 6 - Triathlon Results

Group Everyone

Generate Report

Send Report

Bib Number

Elapsed Time

Participant

Place

Start Time

Swim

TR1

Bike

TR2

Run

045

00:43:23.90

Hyde, Clint

0

00:07:53.57

00:09:58.75

00:00:49.14

00:32:02.19

00:00:33.82

017

00:49:45.00

Raines, Sarah

0

00:01:14.68

00:10:44.64

00:01:59.86

00:36:29.51

00:00:30.99

084

00:52:50.28

Vasicek, Lance

0

00:03:31.28

00:08:18.03

00:00:21.68

00:27:15.83

00:00:21.95

075

00:55:42.24

FIT, HIIT4

0

00:00:45.68

00:00:12.68

00:00:15.12

00:30:19.63

00:00:17.18

064

00:56:16.87

Builders, Paradigm

0

00:08:01.92

00:00:47.53

00:00:29.48

00:27:57.29

00:00:43.45

018

00:57:36.71

Raines, Jeff

0

00:02:11.38

00:09:17.84

00:00:19.94

00:26:59.18

00:00:30.75

025

00:57:36.71

McAuliffe, Lee

0

00:01:28.75

00:08:39.27

00:00:30.70

00:28:32.53

00:00:38.50

077

00:57:46.06

Valdez, Ty

0

00:00:38.98

00:06:31.62

00:00:26.33

00:27:00.74

00:00:16.23

010

00:58:34.86

Fang, Diamondback

0

00:01:59.45

00:09:31.53

00:01:12.91

00:30:42.42

00:00:33.97

081

00:58:57.18

Bendewald, Caleb

0

00:05:34.69

00:11:10.70

00:00:36.79

00:30:16.16

00:00:47.60

049

00:59:05.51

Zehnder, Ralph

0

00:02:27.52

00:10:35.69

00:01:09.91

00:25:02.30

00:01:16.78

056

01:00:33.28

Willoughby, Justin

0

00:03:19.28

00:10:13.44

00:01:14.73

00:28:12.60

00:00:48.60

041

01:01:18.12

Mann, Stew

0

00:00:38.80

00:07:53.21

00:00:31.39

00:30:11.26

00:00:35.82

061

01:01:18.12

Gonzales, Mark

0

00:01:39.83

00:09:33.08

00:00:31.28

00:28:48.61

00:01:00.04

013

01:01:18.12

Padilla, Phil

0

00:02:41.79

00:11:17.48

00:01:43.33

00:28:13.53

00:00:38.06

086

01:01:18.12

Ruvalcaba, David

0

00:02:52.03

00:11:55.32

00:01:44.96

00:27:25.42

00:00:47.97

006

01:01:18.12

HARRISON, JUSTIN

0

00:02:29.71

00:10:37.41

00:00:40.89

00:28:48.38

00:00:29.96

024

01:01:18.12

McAuliffe, Kristina

0

00:01:04.27

00:10:20.34

00:01:09.85

00:28:40.73

00:01:29.05

037

01:01:18.12

Beckham, Tom

0

00:02:53.33

00:10:19.84

00:00:28.52

00:29:42.46

00:00:20.48

042

01:01:18.12

Bake, ShakeN

0

00:13:29.92

00:00:35.92

00:01:27.98

00:39:23.52

00:00:15.24

036

01:01:18.12

Pickett, Eric

0

00:03:32.79

00:12:36.27

00:00:26.90

00:28:15.25

00:00:13.89

079

01:01:18.12

Rattler, Diamondback

0

00:09:41.49

00:14:19.47

00:04:20.32

00:45:04.14

00:00:44.94

052

01:01:18.12

Haneline, Micah

0

00:01:34.64

00:09:41.20

00:01:29.16

00:31:15.61

00:00:59.11

034

01:01:18.12

Foust, Billy

0

00:00:29.55

00:07:59.25

00:00:17.79

00:26:13.34

00:00:17.43

030

01:01:18.12

Mac, Three

0

00:01:49.49

00:11:46.30

00:00:35.64

00:28:21.23

00:00:44.98

057

01:01:18.12

MONTANEZ, AJ

0

00:01:05.05

00:11:23.34

00:00:40.05

00:30:35.21

00:00:41.13

015

01:01:18.12

Lofis, Mike

0

00:04:30.65

00:11:41.64

00:01:28.48

00:31:53.74

00:01:11.05

030

01:01:18.12

ESCONTRIAS, JO...

0

00:04:52.81

00:11:30.01

00:01:08.51

00:27:18.40

00:01:29.11

023

01:01:18.12

Struble, James

0

00:03:17.54

00:14:11.60

00:01:44.32

00:34:56.41

00:00:42.36

031

01:01:18.12

Garcua, Joshua

0

00:05:03.70

00:12:07.56

00:01:02.03

00:33:32.85

00:00:53.89

080

01:01:18.12

Espina, Allan

0

00:05:57.74

00:11:25.45

00:00:31.49

00:33:53.67

00:00:16.83

026

01:01:18.12

Back, Diamond

0

00:04:02.24

00:10:13.09

00:01:13.39

00:33:57.39

00:00:37.09

032

01:01:18.12

Moody, Shayne

0

00:01:50.41

00:09:36.91

00:01:02.74

00:32:25.44

00:00:52.39

087

01:01:18.12

Vest, Tyler

0

00:01:50.41

00:09:36.91

00:01:02.74

00:32:25.44

00:00:52.39

Participants

Detections

Track

Your report should look like this:

Rock The Rind

Sat, 8 Jul 2023 06:03:09

Triathlon Results

TEST TRI

| Name                 | Bib | Place | Laps | Overall Time | Swim     | TR1      | Bike     | TR2      | Run      | Total Time  |
|----------------------|-----|-------|------|--------------|----------|----------|----------|----------|----------|-------------|
| FIT, HIIT4           | 075 | 1     | 1    | 52:50:28     | 08:18.03 | 00:21:68 | 27:15:88 | 00:21:95 | 16:32:74 | 52:50:28    |
| Builders, Paradigm   | 064 | 2     | 1    | 55:42:24     | 00:12:68 | 00:15:12 | 30:19:63 | 00:17:18 | 24:37:63 | 55:42:24    |
| Raines, Jeff         | 018 | 3     | 1    | 55:48:25     | 07:46:50 | 00:29:48 | 27:57:29 | 00:43:45 | 18:51:53 | 55:48:25    |
| McAuliffe, Lee       | 025 | 4     | 1    | 56:16:87     | 09:17:84 | 00:19:94 | 26:59:18 | 00:30:75 | 19:09:16 | 56:16:87    |
| Valdez, Ty           | 077 | 5     | 1    | 57:36:71     | 08:39:27 | 00:30:70 | 28:32:53 | 00:38:50 | 19:15:71 | 57:36:71    |
| Fang, Diamondback    | 010 | 6     | 1    | 57:46:06     | 06:31:62 | 00:26:33 | 27:00:74 | 00:16:23 | 23:31:14 | 57:46:06    |
| Bendewald, Caleb     | 081 | 7     | 1    | 58:34:86     | 09:31:53 | 01:12:91 | 30:42:42 | 00:33:97 | 16:34:03 | 58:34:86    |
| Zehnder, Ralph       | 049 | 8     | 1    | 58:57:18     | 11:10:70 | 00:36:79 | 30:16:16 | 00:47:60 | 16:05:93 | 58:57:18    |
| Willoughby, Justin   | 056 | 9     | 1    | 59:05:51     | 10:35:69 | 01:09:91 | 25:02:30 | 01:16:78 | 21:00:83 | 59:05:51    |
| Mann, Stew           | 041 | 10    | 1    | 59:15:83     | 10:13:44 | 01:14:73 | 28:12:60 | 00:48:60 | 18:46:46 | 59:15:83    |
| Gonzales, Mark       | 061 | 11    | 1    | 01:00:33:28  | 07:53:21 | 00:31:39 | 30:11:26 | 00:35:82 | 21:21:60 | 01:00:33:28 |
| Padilla, Phil        | 013 | 12    | 1    | 01:01:18:12  | 09:33:08 | 00:31:28 | 28:48:61 | 01:00:04 | 21:25:11 | 01:01:18:12 |
| Ruvalcaba, David     | 086 | 13    | 1    | 01:01:21:50  | 11:17:48 | 01:43:33 | 28:13:53 | 00:38:06 | 19:29:10 | 01:01:21:50 |
| HARRISON, JUSTIN     | 006 | 14    | 1    | 01:01:39:84  | 11:55:32 | 01:44:96 | 27:25:42 | 00:47:97 | 19:46:17 | 01:01:39:84 |
| McAuliffe, Kristina  | 024 | 15    | 1    | 01:01:58:89  | 10:37:41 | 00:40:89 | 28:48:38 | 00:29:96 | 21:22:25 | 01:01:58:89 |
| Beckham, Tom         | 037 | 16    | 1    | 01:01:59:52  | 10:20:34 | 01:09:85 | 28:40:73 | 01:29:05 | 20:19:55 | 01:01:59:52 |
| Bake, ShakeN         | 042 | 17    | 1    | 01:03:00:76  | 10:19:84 | 00:28:52 | 29:42:46 | 00:20:48 | 22:09:46 | 01:03:00:76 |
| Pickett, Eric        | 036 | 18    | 1    | 01:04:15:18  | 00:35:92 | 01:27:98 | 39:23:52 | 00:15:24 | 22:32:52 | 01:04:15:18 |
| Rattler, Diamondback | 079 | 19    | 1    | 01:04:17:01  | 12:36:27 | 00:26:90 | 28:15:25 | 00:13:89 | 22:44:70 | 01:04:17:01 |
| Foust, Billy         | 052 | 20    | 1    | 01:04:43:21  | 09:41:20 | 01:29:16 | 31:15:61 | 00:59:11 | 21:18:13 | 01:04:43:21 |
| Mac, Three           | 034 | 21    | 1    | 01:05:06:25  | 07:59:25 | 00:17:79 | 26:13:34 | 00:17:43 | 30:18:44 | 01:05:06:25 |
| MONTANEZ, AJ         | 057 | 22    | 1    | 01:05:08:96  | 11:46:30 | 00:35:64 | 28:21:23 | 00:44:98 | 23:40:81 | 01:05:08:96 |
| Lofis, Mike          | 015 | 23    | 1    | 01:06:14:36  | 11:23:34 | 00:40:05 | 30:35:21 | 00:41:13 | 22:54:63 | 01:06:14:36 |
| ESCONTRIAS, JOHN     | 030 | 24    | 1    | 01:06:52:47  | 11:41:64 | 01:26:48 | 31:53:74 | 01:11:05 | 20:39:56 | 01:06:52:47 |
| Struble, James       | 055 | 25    | 1    | 01:07:22:36  | 11:30:01 | 01:08:51 | 27:18:40 | 01:29:11 | 25:56:33 | 01:07:22:36 |
| Garcua, Joshua       | 023 | 26    | 1    | 01:08:21:24  | 14:11:60 | 01:44:32 | 34:56:41 | 00:42:36 | 16:46:55 | 01:08:21:24 |
| Espina, Allan        | 031 | 27    | 1    | 01:08:44:10  | 12:07:56 | 01:02:03 | 33:32:85 | 00:53:89 | 21:07:77 | 01:08:44:10 |
| Back, Diamond        | 080 | 28    | 1    | 01:08:50:07  | 11:25:45 | 00:31:49 | 33:53:67 | 00:16:83 | 22:42:63 | 01:08:50:07 |
| Moody, Shayne        | 026 | 29    | 1    | 01:08:50:32  | 10:13:09 | 01:13:39 | 33:57:39 | 00:37:09 | 22:49:36 | 01:08:50:32 |
| Vest, Tyler          | 009 | 30    | 1    | 01:08:52:69  | 09:36:91 | 01:02:74 | 32:25:44 | 00:52:39 | 24:55:21 | 01:08:52:69 |
| Carrillo, Omar       | 038 | 31    | 1    | 01:10:09:84  | 11:58:91 | 01:12:45 | 32:24:47 | 01:09:14 | 23:24:87 | 01:10:09:84 |
| Reynolds, William    | 014 | 32    | 1    | 01:10:18:57  | 09:46:58 | 01:59:43 | 35:01:19 | 01:22:04 | 22:09:33 | 01:10:18:57 |
| Morales, Javier      | 032 | 33    | 1    | 01:10:31:88  | 12:53:92 | 02:10:56 | 31:28:58 | 01:14:56 | 22:44:26 | 01:10:31:88 |
| Ricker, Jon          | 087 | 34    | 1    | 01:10:38:55  | 10:38:00 | 01:18:44 | 34:17:94 | 01:07:31 | 23:16:86 | 01:10:38:55 |

August 25, 2023 13:58

August 25, 2023 13:58

## Cross Country Race Set-up:

Orbiter 4 Wave

File Simulate Tools Help

27-Aug-2023 16:04:55

**Start and View Event**

Track Changed

2825/7282(2443)MB 6gc

Build: 4.6.5202 Nov 10, 2022 06:17 (C)  
Copyright (C) 2006-2023 Orbiter 4 Wave

Tracks Schedule Events Tags Participant Team Assign Build Bollards Event Planner

Track Name: Cross Country Track Type: Loop

Venue Name: My Venue Total Distance: 1.0

Description: Minimum Lap Time: 00:00:30 Maximum Lap Time: 00:00:00

Path Scores

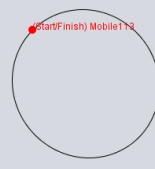
Add detectors that are located on your track:

- Put the start detectors at position 0.
- If you have a loop track, this will also be your finish detector.
- If you have a start/finish track, put the finish line detectors at the last position.
- Laps are counted and the start position for loop tracks, and at the last position for start of finish.
- Intermediate detectors may be placed on the track to ensure that participants reach the intermediate points.

| Distance From Start | Detector Orientation     | Detectors | Name         | Min Leg Time | Position     |
|---------------------|--------------------------|-----------|--------------|--------------|--------------|
| 0.0                 | First tag detection seen | Mobile113 | Start/Finish |              | Start/Finish |

Add Position Delete

Save Cancel ☒ Active Copy Delete



**Schedule your event.**

**Be sure that under “Scoring” you select “Cross Country”.**

Orbiter 4 Wave

File Simulate Tools Help

27-Aug-2023 16:06:56

**Start and View Event**

Track Changed

Tracks Schedule Events Tags Participant Team Assign Build Bollards Event Planner

Name: Rock The Rind Start: on button

Track: Loop TRI - TEST Start Time: 7/8/23 6:03 AM

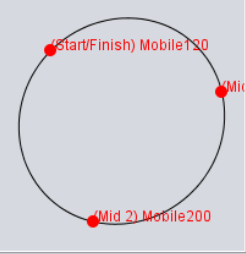
Event Type: Gun Start Duration: 02:14:25

Description: Laps: 1

Start Interval: 00:00:00

Scoring: Cross Country Id: 1011

Save Cancel ☒ Active Clone Child Delete



Clone the current event.  
A cloned event creates a new event using the current event as a template.

- The new event is an independent copy.
- A new time is set for the event in the near future.

| Id   | Name          | Event Type                         | Track           | Start On        | Start Time             |
|------|---------------|------------------------------------|-----------------|-----------------|------------------------|
| 1011 | Rock The Rind | Chip Start 3 Detector Triathlon AB | Loop TRI - TEST | Start on button | Jul-08-23 06:03:00 PDT |

**Under Scoring set to “Cross Country”.**

File Home Insert Page Layout Formulas Data Review View Help Acrobat QuickBooks Tell me v

Paste Font Alignment Number Styles

Clipboard Font Alignment Number Styles

UF4 is a special column and used only for identifying runners in Cross Country to be displayed in Overall Individual Results.

This is how to set up Team Results so runners show in both "Team" and "Overall Individual" Results.

This is how to set up unassigned runners so their results only show in Overall Individual results.

Not doing this correctly can cause your Team Results to include unassigned runners in "Team" and your score will be off.

| A          | B          | C  | D          | E          | F     | G     | H           | I    | J     | K        | L      | M   | N   |
|------------|------------|----|------------|------------|-------|-------|-------------|------|-------|----------|--------|-----|-----|
| Last Name  | First Name | MI | Bib Number | User Label | Team  | UF4   | Start Order | City | State | Zip Code | Gender | DOB | Age |
| Alexander  | Kelly      |    | 20921      | 20921      | Red   | Red   |             |      |       |          |        |     |     |
| Duplechain | Brad       |    | 20922      | 20922      | Red   | Red   |             |      |       |          |        |     |     |
| Gallagher  | Ryan       |    | 20923      | 20923      | Red   | Red   |             |      |       |          |        |     |     |
| Haro       | Drew       |    | 20924      | 20924      | Red   | Red   |             |      |       |          |        |     |     |
| Williams   | Mel        |    | 20925      | 20925      | Red   | Red   |             |      |       |          |        |     |     |
| Sims       | Phil       |    | 20926      | 20926      | White | White |             |      |       |          |        |     |     |
| Ruhlman    | Joel       |    | 20927      | 20927      | White | White |             |      |       |          |        |     |     |

Start/Stop Event

Reprocessing

Manual Detection

Interval Start

Notification

Reports

For data you wish to post-process, use the 'Generate Spreadsheet' button to create an editable spreadsheet.

Refer to the Reports tab for descriptions of reporting capabilities.

Spreadsheet Results Report

Sheet: School

Group 1: Everyone

Generate Spreadsheet

Send Spreadsheet

Print Ready Result Report

Style: 1 - Quick Results

Group: 1 - School Lap Results

2 - School Class Results

A1 - Accumulated School Lap Results

A2 - Accumulated School Class Results

T1 - Team Summary

XC 1 - Individual Results

XC 2 - Team Summary

Push the slider down all the way.

Cross Country

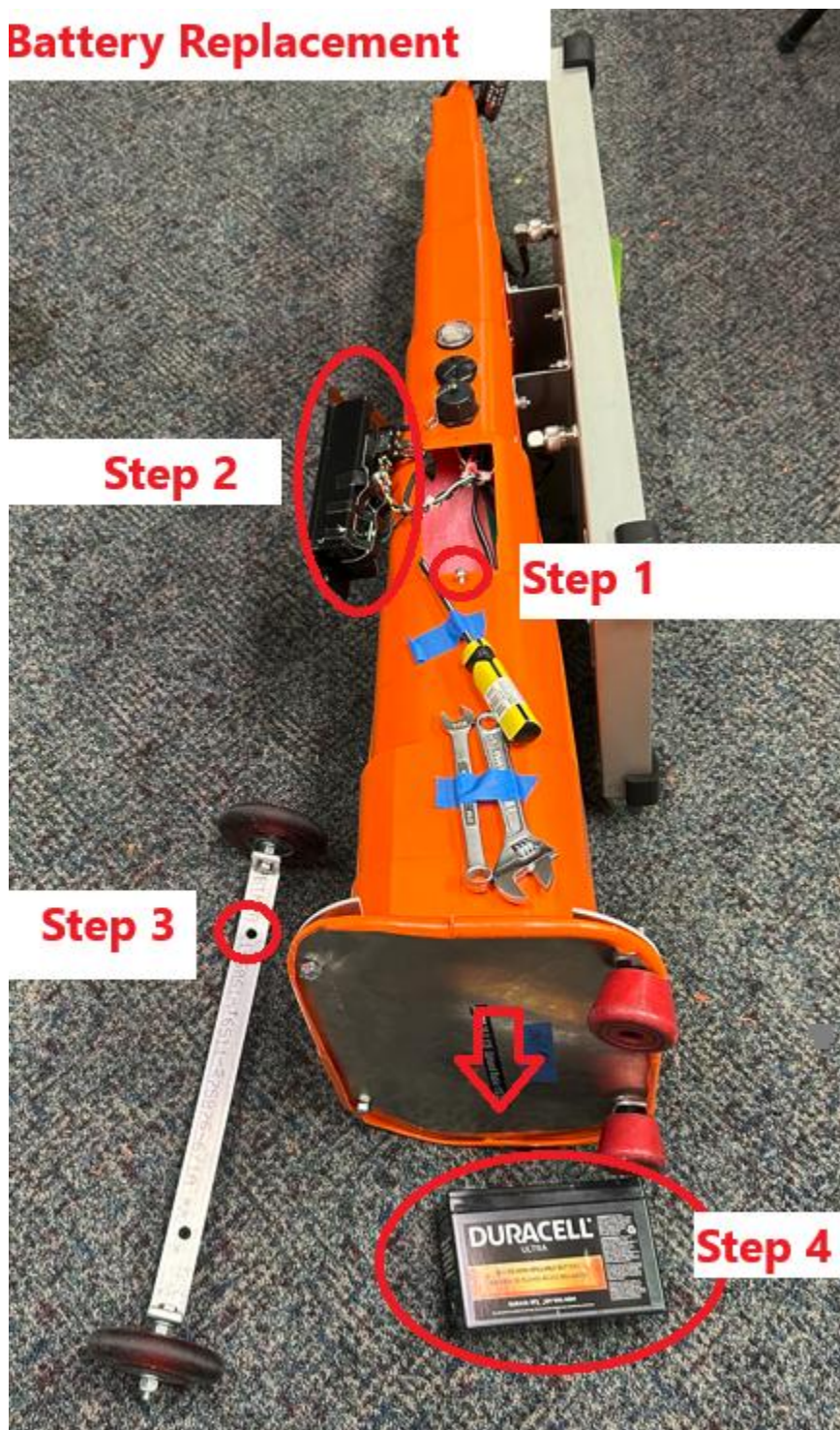
## Cross Country Team Summary

High School /Cross Country

Fri, 29 Jan 2021 14:18:29

| Place | Team Name             | Score | Score Order       | Total    | Avg      | Gap      |
|-------|-----------------------|-------|-------------------|----------|----------|----------|
| 1     | Minnesota United FC 0 | 25    | 1-3-5-7-9(11)(13) | 06:01.25 | 01:12.25 | 01:12.23 |

## Battery Replacement



Appendix: Important Set-ups:

pg. 30

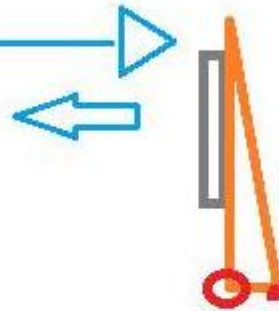
1. If the results page shows repetitive entries for the same person, this means the import All-In-One was done multiple times incorrectly. The easy fix is to go to File, All-In-One, select the event, and Export the All-In-One. To re-import the All-In-One, click “reprocessing,” and the results will be fixed.
2. Placement of tags/bibs on the body based on various events. As you can see in the picture below, runners will place bibs all over their bodies. Thus, it is important to instruct the runners on where to wear the bibs. However, providing multiple RFID tags on a bib tear-off from Orbiter allows the runner to pin their tag on both the right and left sides of their body. This then allows the runner more freedom. On ultra runs wearing the bib on the chest necessitates wearing a shirt the whole race, and this is not desired for many. Ask Orbiter for our “tear” of bib that allows a runner wear more than one transponder.



3. Placement of Orbiter detectors for different race situations:
  - a. Gun starts. Chip readers are not needed at the start as everyone gets 00:00.00 start.
  - b. Chip Start. When the mass of Participants are at the start line, it is best to place the readers 30 feet down the race course, pointed head on to the

runners at the start. This provides everyone with the best accurate start time. This is because those on the start line's chip start time will be 00:00.0 start time because of the speed of light. When the start button is clicked, a radio frequency "picture" of those on the line is taken. Then, as the mass of people moves forward, spacing occurs between people, and the RFID tags are detected. This is similar to the time accuracy of mats that have a 16-foot detection spread around the mat., 8 feet forward and 8 feet back of the mat.

## Full & Strong Reflection



Orbiter Spire



Mat

Weak Reflection as the surface is vertical. COS of the Angle weaker.

starts on click

# Ready

**Event Viewer 1005 'a'**

Start Aug-25-24 09:00:02

0

Start/Stop Event

Reprocessing

Manual Detection

| Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Bib Number | Participant | Position |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|----------|
| <p><b>Use manual entry to insert missed tag detects:</b></p> <ol style="list-style-type: none"> <li>1. Type Bib Number.</li> <li>2. Set Time to insert tag detection.</li> <li>3. The little clock to the right sets the time to "now". So normally don't use it as the time you want is different. However, clicking the little clock does show you the "form" of the time differential to use. Then go back and correct the time to the right form.</li> <li>4. Then click "Track Position drop down to choose the RFID detector you wish to insert the tag detect.</li> <li>5. Click "Add Detection "and your tag tag detect will be part of the race results. .</li> </ol> <p>Lastly, on the tabs below you can confirm your tag detects were inserted by looking at "Detections" below.</p> |            |             |          |

Bib Number ✕

Detection Time

⬆ ⬇ ⬆

Track Position

⬆

Add Detection

Complete fields and click 'Add Detection

Results

Team Results

Participants

Detections

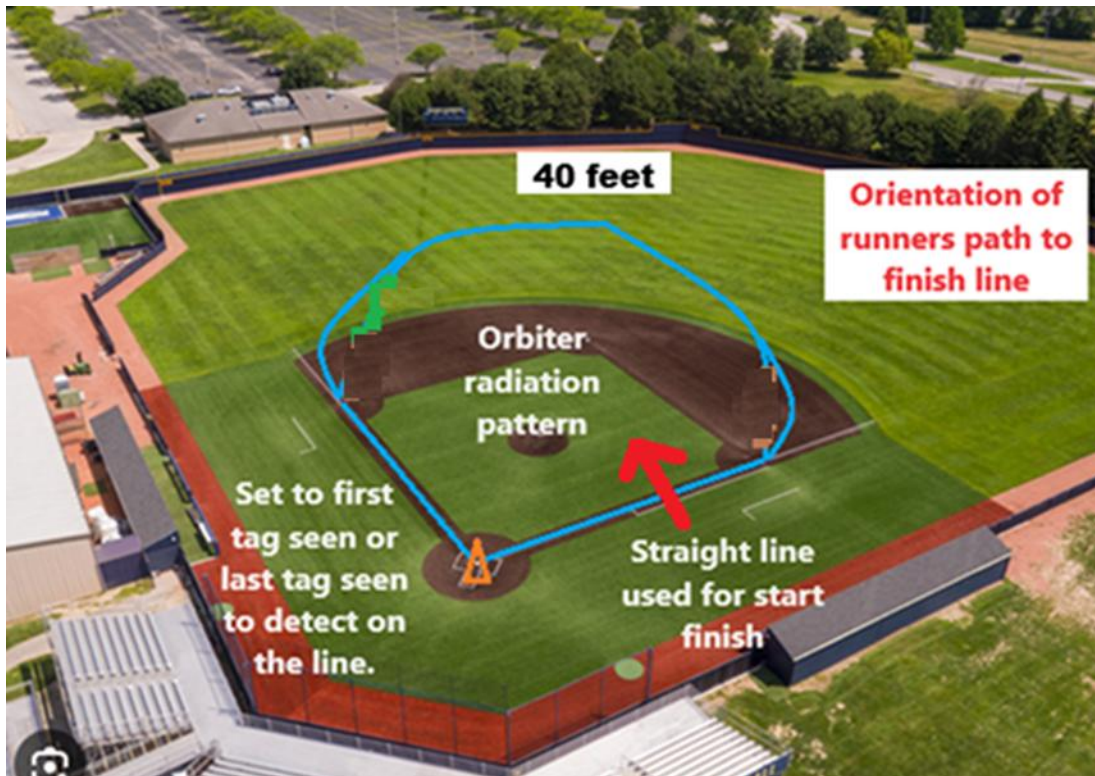
Track

## Finish and Start Set up for Road Races:



# The side antenna propagation area:

Use the first base line or the third base line detection area to gain a precise time on a 'line'.



Orbiter 4 Wave
File Simulate Tools Help

29-Nov-2025  
10:34:25

Tag Detection

Tracks
Schedule Events
Tags
Participant
Team
Assign
Build
Bollards
Event Planner

Track Name: Wobble 1M
Type: Loop

Venue Name: Wobble Down Front
Total Distance: 1.0

Description:
Minimum Lap Time: 00:04:30
Maximum Lap Time: 00:00:00

Path Scores

Distance From Start
0.0

Detector Orientation
First tag detection seen
First tag detection seen
Last tag detection seen
Corkscrew

Detectors
Mobine126

Add Position
Delete

Save
Cancel
☒ Active
Copy
Delete

Track used by event, cannot delete track

## The Parent (Master) and Child (Slave) Events:

These are events where there are many sub-events the report to a master event.

This way results may be merged into one large event, yet still have the detail on the sub events. Here are two examples:

06-Oct-2025

12:21:26

 Start and View Event

Tag Detection

License expired, operation degraded

Tracks **Schedule Events** Tags Participant Team Assign Build Bollards Event Planner

New Event

☒ Pending ☒

| Id Name |        | Event Type | Track                       | Start On           | Start Time             |
|---------|--------|------------|-----------------------------|--------------------|------------------------|
| 1022    | MASTER | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:00:26 PDT |
| 1023    | Loop 1 | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:00:52 PDT |
| 1024    | Loop 2 | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:10:18 PDT |
| 1025    | Loop 3 | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:20:53 PDT |
| 1026    | Loop 4 | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:30:26 PDT |
| 1027    | Loop 5 | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:40:52 PDT |
| 1028    | Loop 6 | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:50:26 PDT |

Child Events

06-Oct-2025

12:21:26

 Start and View Event

Tag Detection

License expired, operation degraded

Tracks **Schedule Events** Tags Participant Team Assign Build Bollards Event Planner

New Event

☒ Pending ☒

| Id Name |        | Event Type | Track                       | Start On           | Start Time             |
|---------|--------|------------|-----------------------------|--------------------|------------------------|
| 1022    | MASTER | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:00:26 PDT |
| 1023    | Loop 1 | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:00:52 PDT |
| 1024    | Loop 2 | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:10:18 PDT |
| 1025    | Loop 3 | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:20:53 PDT |
| 1026    | Loop 4 | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:30:26 PDT |
| 1027    | Loop 5 | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:40:52 PDT |
| 1028    | Loop 6 | Gun Start  | Loop Outlast Tyler - Parent | Start as scheduled | Oct-06-25 08:50:26 PDT |

Child Events

| ran for    |                      | Event Viewer 1022 'MASTER' - Outlast Tyler - Gun Start      |      |       |        |  |
|------------|----------------------|-------------------------------------------------------------|------|-------|--------|--|
| 02:53:09   |                      | Start Oct-06-25 08:00:26.36, stop Oct-06-25 10:53:35.44 - C |      |       |        |  |
|            |                      | 0 finished of 20 active                                     |      |       |        |  |
| Bib Number | Participant          | Split                                                       | Laps | Speed | Gender |  |
| 321        | Utah, Utah           | 00:06:0...                                                  | 6    | 0.01  | M      |  |
| 322        | Brother, Tristan     | 00:07:0...                                                  | 5    | 0.01  | M      |  |
| 323        | Judge, Samuel        | 00:06:3...                                                  | 6    | 0.01  | M      |  |
| 324        | Thorn, Rose          | 00:09:3...                                                  | 3    | 0.01  | F      |  |
| 325        | Quavius, Quavion     | 00:06:1...                                                  | 6    | 0.01  | M      |  |
| 326        | Star, Patrick        | 00:06:1...                                                  | 6    | 0.01  | M      |  |
| 328        | Ark, Noah            | 00:06:1...                                                  | 6    | 0.01  | M      |  |
| 329        | Mason, Mason         | 00:10:4...                                                  | 3    | 0.01  | M      |  |
| 330        | Lewis, Lou           | 00:10:3...                                                  | 3    | 0.01  | M      |  |
| 331        | Kate, Katherine      | 00:17:0...                                                  | 5    | 0     | F      |  |
| 332        | Johnson, John        | 00:06:3...                                                  | 5    | 0     | M      |  |
| 333        | Ingrids, Ingrid      | 00:06:0...                                                  | 6    | 0.01  | F      |  |
| 334        | Hailey, Hailey       | 00:05:4...                                                  | 6    | 0.01  | F      |  |
| 335        | Garrets, Garret      | 00:06:3...                                                  | 6    | 0.01  | M      |  |
| 336        | Faiths, Faith        | 00:06:0...                                                  | 6    | 0.01  | F      |  |
| 337        | Elizabeth, Elizabeth | 00:06:1...                                                  | 6    | 0.01  | F      |  |
| 338        | Dean, Deana          | 00:12:5...                                                  | 4    | 0.01  | M      |  |
| 339        | Cameron, Candace     | 00:06:2...                                                  | 6    | 0.01  | F      |  |
| 340        | Blakes, Blake        | 00:06:4...                                                  | 5    | 0.01  | M      |  |
| 341        | Adamson, Adam        | 00:14:5...                                                  | 1    | 0     | M      |  |

Misc: How to find your historical “Start Time”.

ran for

# 01:00:15

Event Viewer 1008 'Jogathon 2025 5 12 Girls' - St Vincent de Paul

## How to Find the historical precise "Start Time"

Finished or active

Start/Stop Event

Reprocessing

Start Time

10/31/25 7:58 AM

October 2025

Hour Min Sec

7 58 41 AM

Today

OK Cancel Now

| Split       | Laps | Speed | Participant       | Gender | Bib Number | Age |
|-------------|------|-------|-------------------|--------|------------|-----|
| 00:03:04.16 | 21   | 0.01  | Ahearn, Audrey    | U      | 79         |     |
| 00:02:13.93 | 28   | 0.01  | Ahearn, Lauren    | U      | 80         |     |
| 00:02:17.68 | 19   | 0.01  | Bennett, Colette  | U      | 82         |     |
|             | 0    |       | Blake, Molly      | U      | 84         |     |
|             | 0.01 |       | Brauner, Gemma    | U      | 85         |     |
|             | 0.01 |       | Brauner, Sofia    | U      | 86         |     |
|             | 0.01 |       | Drumm, Catherine  | U      | 87         |     |
|             | 0.01 |       | DuBois, Liane     | U      | 88         |     |
|             |      |       |                   | U      | 89         |     |
|             |      |       |                   | U      | 90         |     |
|             |      |       |                   | U      | 92         |     |
|             |      |       |                   | U      | 93         |     |
|             |      |       |                   | U      | 94         |     |
|             |      |       |                   | U      | 95         |     |
|             |      |       |                   | U      | 96         |     |
|             |      |       |                   | U      | 97         |     |
|             |      |       |                   | U      | 98         |     |
|             |      |       |                   | U      | 99         |     |
|             |      |       |                   | U      | 100        |     |
|             |      |       |                   | U      | 101        |     |
|             |      |       |                   | U      | 102        |     |
|             |      |       |                   | U      | 103        |     |
|             |      |       |                   | U      | 104        |     |
|             |      |       |                   | U      | 105        |     |
|             |      |       |                   | U      | 106        |     |
|             |      |       |                   | U      | 109        |     |
|             |      |       |                   | U      | 110        |     |
|             |      |       |                   | U      | 111        |     |
|             |      |       |                   | U      | 113        |     |
| 00:02:16.25 | 22   | 0.01  | Maney, Gianna     | U      | 114        |     |
| 00:02:14.00 | 21   | 0.01  | Maney, Maddie     | U      | 115        |     |
| 00:01:52.60 | 25   | 0.01  | McMaster, Natalie | U      | 117        |     |
| 00:02:15.46 | 22   | 0.01  | Moser, Alivia     | U      | 119        |     |
| 00:02:12.86 | 18   | 0.01  | Myers, Kaleigh    | U      | 121        |     |

Search

Prev Next Clear

Results Team Results Participants Detections Track

running for  
**3d 21:57:19**

**Event Viewer 1005 'wave 12-Nov-2025 1215 12-Nov-2025 1215 17-Nov-2025'**

Start Nov-17-25 09:46:13.08, stop Nov-22-25 08:32:40.08 - A

0 finished of 3 active

**Start/Stop Event**

Waves

**Reprocessing**

Manual Detection

Interval Start

Notification

Reports

Verify Event

View Web

| Time           | Bib Number | Participant | Position     |
|----------------|------------|-------------|--------------|
| 00:00:48.04    | 1          | P, Erik     | Start/Finish |
| 00:00:59.83    | 1          | P, Erik     | Start/Finish |
| 00:01:59.93    | 1          | P, Erik     | Start/Finish |
| 3d 21:46:16.09 | 1          | P, Erik     | Start/Finish |
| 3d 21:46:32.67 | 1          | P, Erik     | Start/Finish |
| 3d 21:47:07.83 | 1          | P, Erik     | Start/Finish |
| 3d 21:49:53.84 | 1          | P, Erik     | Start/Finish |
| 3d 21:50:35.69 | 1          | P, Erik     | Start/Finish |
| 3d 21:50:47.09 | 1          | P, Erik     | Start/Finish |
| 3d 21:52:05.89 | 1          | P, Erik     | Start/Finish |
| 00:01:39.16    | 2          | S, Greg     | Start/Finish |
| 3d 21:50:05.61 | 2          | S, Greg     | Start/Finish |
| 3d 21:53:26.36 | 2          | S, Greg     | Start/Finish |
| 00:02:06.14    | 3          | K, Josh     | Start/Finish |
| 3d 21:50:14.26 | 3          | K, Josh     | Start/Finish |
| 3d 21:50:25.53 | 3          | K, Josh     | Start/Finish |

| Time           | Bib Number |
|----------------|------------|
| 00:00:48.04    | 1          |
| 00:00:59.83    | 1          |
| 00:01:59.93    | 1          |
| 3d 21:46:16.09 | 1          |
| 3d 21:46:32.67 | 1          |
| 3d 21:47:07.83 | 1          |
| 3d 21:49:53.84 | 1          |
| 3d 21:50:35.69 | 1          |
| 3d 21:50:47.09 | 1          |
| 3d 21:52:05.89 | 1          |
| 00:01:39.16    | 2          |
| 3d 21:50:05.61 | 2          |
| 3d 21:53:26.36 | 2          |
| 00:02:06.14    | 3          |
| 3d 21:50:14.26 | 3          |
| 3d 21:50:25.53 | 3          |
| 00:00:10.14    | Wave Start |
| 00:00:26.56    | Wave Start |
| 00:00:31.95    | Wave Start |

## HOW TO DELETE A TAG DE

Go to "Detections" on the " you want to delete. Right click "Reprocessing" and repro you will see the result being

To add back a detection go

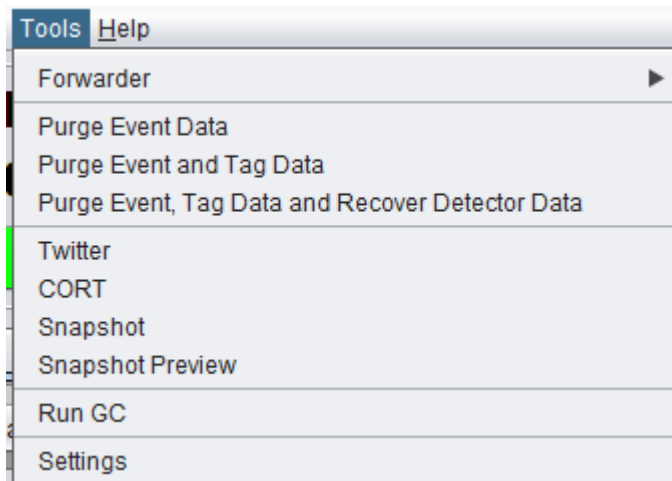
Results Team Results Participants **Detections** Track

Orbiter 4 Wave

File **Simulate** Tools Help

- Chip Start ▶
- Gun Start ▶
- Wave Start ▶
- Interval Start ▶
- School Week

**Practice races before using the Orbiter in a real event.**



**The Tools section** provides many useful functions as follows:

**“Forwarder”** treats the RFID detectors as slaves and sends tag detection data off to third-party software. This is useful if a Timer has its own timing software it wants to use.

**“Purge Event Data”** deletes all events from memory.

**“Purge Event and Tag Data”** deletes all events and tag information from memory.

**“Purge Event, Tag Data and Recover Detector Data”** cleans the memory from the computer and then reloads the original time-stamped tag data from the RFID readers.

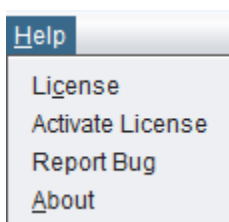
**“Twitter”** allows Tweet results to be sent to participants.

**“CORT”** means Certified Orbiter Race Timer.

**“Snap Shot”** allows a camera to be connected to the RFID reader so a picture can be taken as the runner passes.

**“Run GC”** is custom code used in some foreign countries, like Japan.

**“Settings”** is where port settings are made, and screen type set sizes are set. Port Settings are essential for Firewall maintenance.



If your license expires, this is where you type in a new License. Call Orbiter at 253-627-5588 to help you.

## Question and Answers

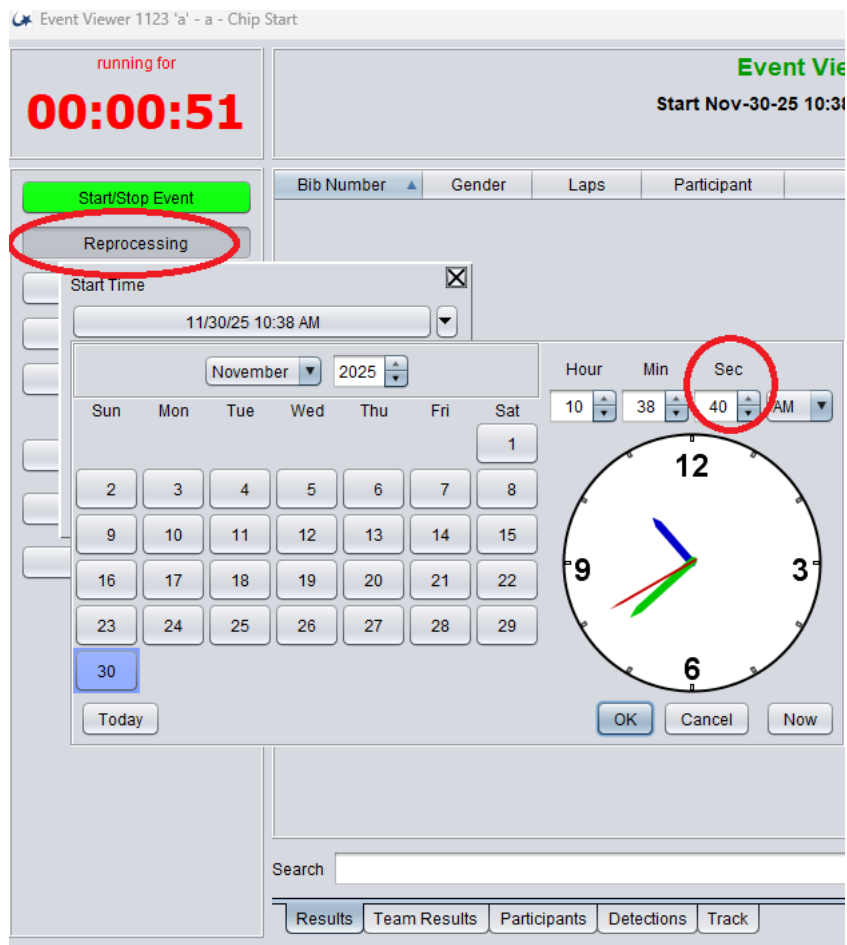
## **My computer locked up when I repeatedly loaded my All-In-One. This happened as I added or edited new participants while timing two or more simultaneous events.**

Keep in mind, multi-race events are RAM-intensive because the detectors are sending data to the laptop at the same time they are timing multiple races. When the timer is in the middle of an event and editing participants this puts even more pressure on RAM. Generally, you will have two opportunities to load the All-In-One without issues. Thus, it is best to use the “Assign’ tab to do edits instead of using the All-In-One. The Assign tag is where after adding Participant in the Participant Tab, you manually assign bibs to the Participant in the Assign Tab.

After making edits this way in the middle of a race, remember to click the “Reprocess” button in the green Start and View Events page. Otherwise, the edits will not take hold. Reprocessing is healthy and important. No harm is ever made by clicking this button.

The lock-up occurs because the RAM on your computer is insufficient to handle the load. For multi-race systems, 32 GB of RAM is needed to prevent lockups. If you are operating at 18 GIG or less, the following is a workaround to get your computer unlocked.

1. Backup your database by going to “File, Export Database”.
2. Save your current All-In-One and tags file by exporting it.
3. Manually record your event start time by finding it here. This is because when building your event, you will need to know this time after you reload the original race data from your detectors.



4. Purge your event data, and reload your event.

## My Orbiter4 software is corrupted.

No worries as your original race data is saved inside your Orbiter RFID readers. Orbiter only deletes these on a FIFO basis and saves 250,000 time-stamped tag detects in memory. To fix this problem, go to “downloads” on your computer and find your original program and reload it. When it asks for a License, just click “Cancel” and move forward. Your software will operate for 60 days to give you time to get a new license from Orbiter. This allows you to time your race without worry.

Once you download the Orbiter4 software, set up your race from scratch. Input the correct start time, and click “Reprocessing”. Your race will appear as new and good. DO NOT CLICK “START” AS THIS WILL MAKE YOUR START TIME “NOW”. You need to use the original historical start time found in Reprocessing.

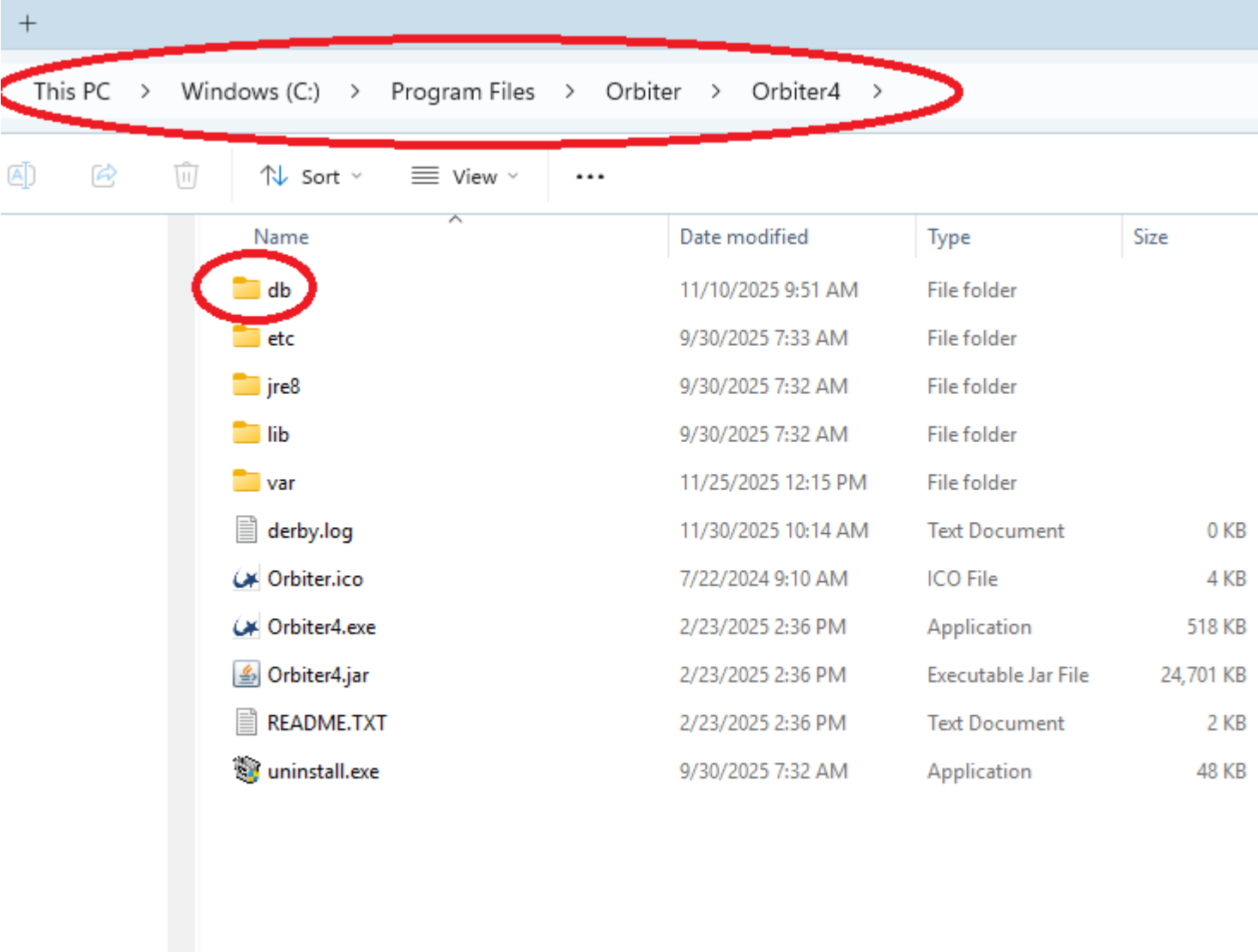
## How do I wipe my computer clean?

I don't want to share any information with others. The good news is that Orbiter is not cloud-based, and your information is private to you. Even if you rent a machine from Orbiter,

pg. 43

this is true.

Thus, to wipe your data clean, go to C:Drive, Program Files, Orbiter, Orbiter4, and highlight “db” and delete.





## Indoor Track- Timer and Lap Counter

Your indoor track was an expensive asset to install.

Why not get the most out of it for little cost?



Gain greater utilization as participants enjoy automatic counting.

Provide incentives for repeat use with virtual competitions.  
Individuals and teams.



Request Information and a free on-line demo.

[info@Orbiter.com](mailto:info@Orbiter.com)



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USA Phone: 253-627-5588 [www.Orbiter.com](http://www.Orbiter.com)