



# TRACKMAN

BASEBALL

# Optically Enhanced Radar Tracking

## OERT at a Glance

- Combines camera and radar technology
- Both short and long-distance ball tracking
- Higher pickup rate
- 3D contact/release location
- Calibrate with embedded camera
- Track thru netting
- Reliable indoors & outdoors

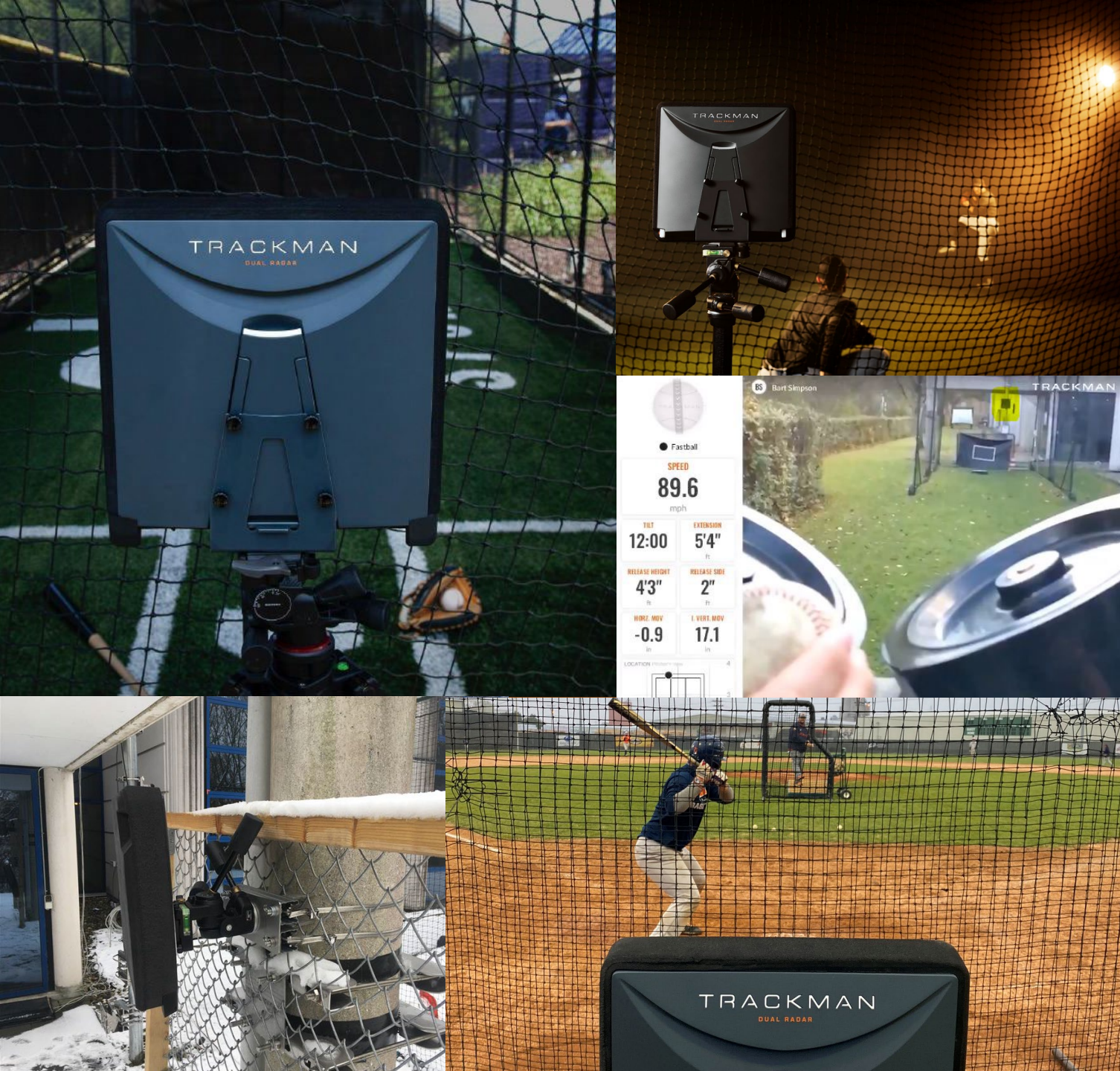
Two Radars, One Camera, Zero Doubt



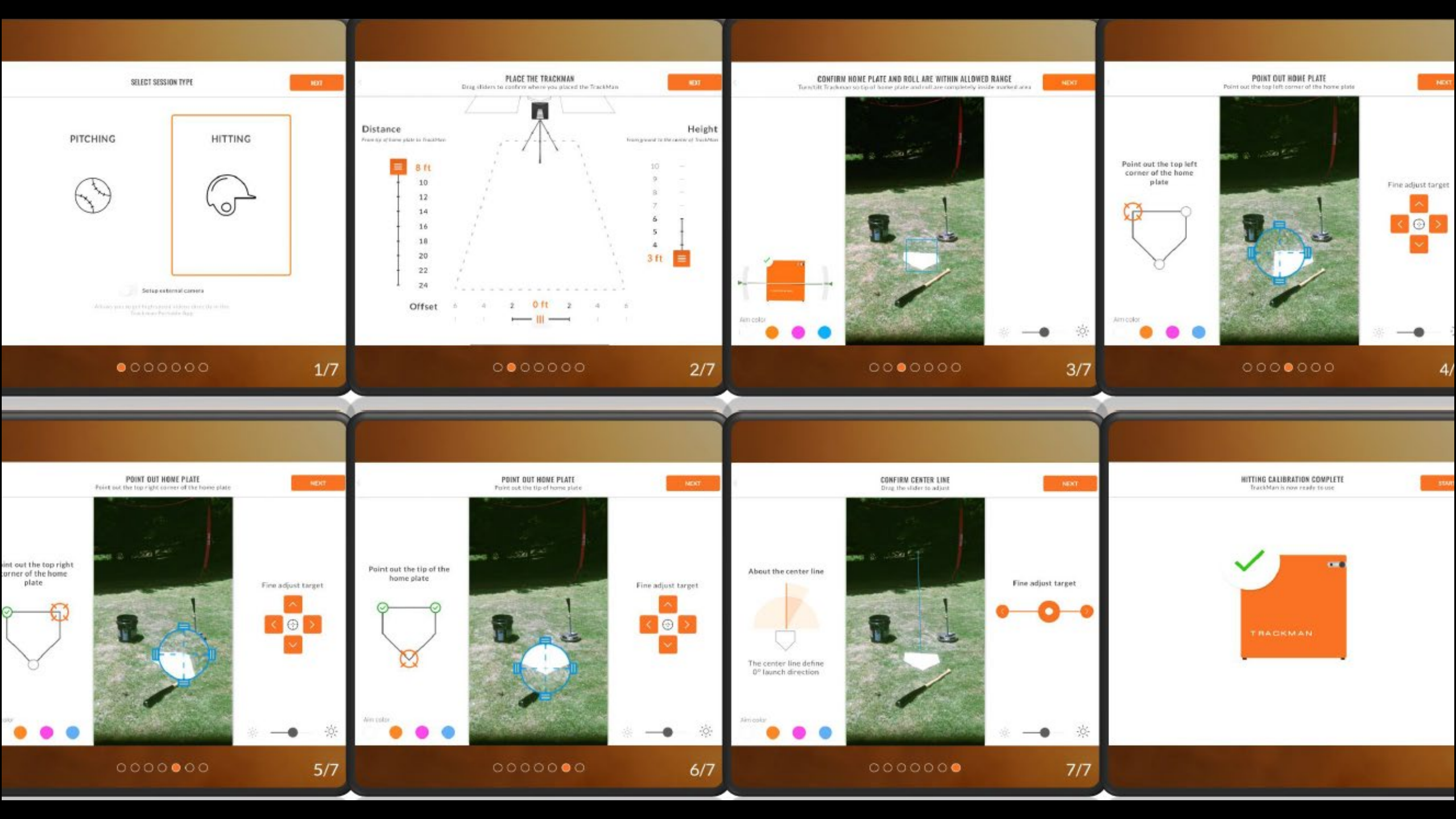


# Engineered to Track in YOUR Space

- Track Pitching & Hitting
- Indoors & Outdoors
- Tripod or Fixed Mount
  - BP on the Field
  - BP in a Cage
  - Scrimmage Games
  - Bullpen/Side
  - Flatground
  - Short-box/Hat
  - Calibrate Pitching Machines
  - And more...











3:43 PM Tue Feb 9

FEB 4 02:37 PM

CLOSE SESSION

TRACKMAN  
1.38.1 (0)

EDIT

NO TRACKMAN

Full

### HITS

Exit Speed

Hit Group

82.7  
#55

77.7  
#54

81.8  
#53

77.1  
#52

76.0  
#51

80.3  
#50

83.0  
#49

80.0  
#48

84.2  
#47

80.1  
#46

57.0  
#45

### LAUNCH ANGLE AND SPEED

EXIT SPEED  
81.8  
mph

L. ANGLE  
19.4°

### LAUNCH DIRECTION AND DISTANCE

DIRECTION  
-2.9°

DISTANCE  
247'1"  
ft

HIT COUNT  
55  
no. of hits

SPIN RATE  
1966  
rpm

HIT #53

Live

LN  
Line

BATTER SIDE

L  
Left

EXIT SPEED

LOCATION

L. ANGLE

Average Exit Speed for  
each quadrant.

76	74	80
78	79	78
71	79	-

Batters view









3:44 PM Tue Feb 9

FEB 4 02:37 PM

CLOSE SESSION

TRACKMAN  
1.38.1 (0)

EDIT

NO TRACKMAN

≡

Numerical

Edit Autotag Full

HITS

Exit Speed

Hit Group

82.7

#55

77.7

#54

81.8

#53

77.1

#52

76.0

#51

80.3

#50

83.0

#49

80.0

#48

84.2

#47

80.1

#46

57.0

#45

EXIT SPEED

81.8

mph

SPIN RATE

1966

rpm

CONTACT DEPTH

2'4"

ft

LAUNCH ANGLE

19.4°

DISTANCE

247'1"

ft

CONTACT HEIGHT

2'2"

ft

DIRECTION

-2.9°

BEARING

-7.9°

CONTACT SIDE

0"

ft

HIT #53

Live

LN

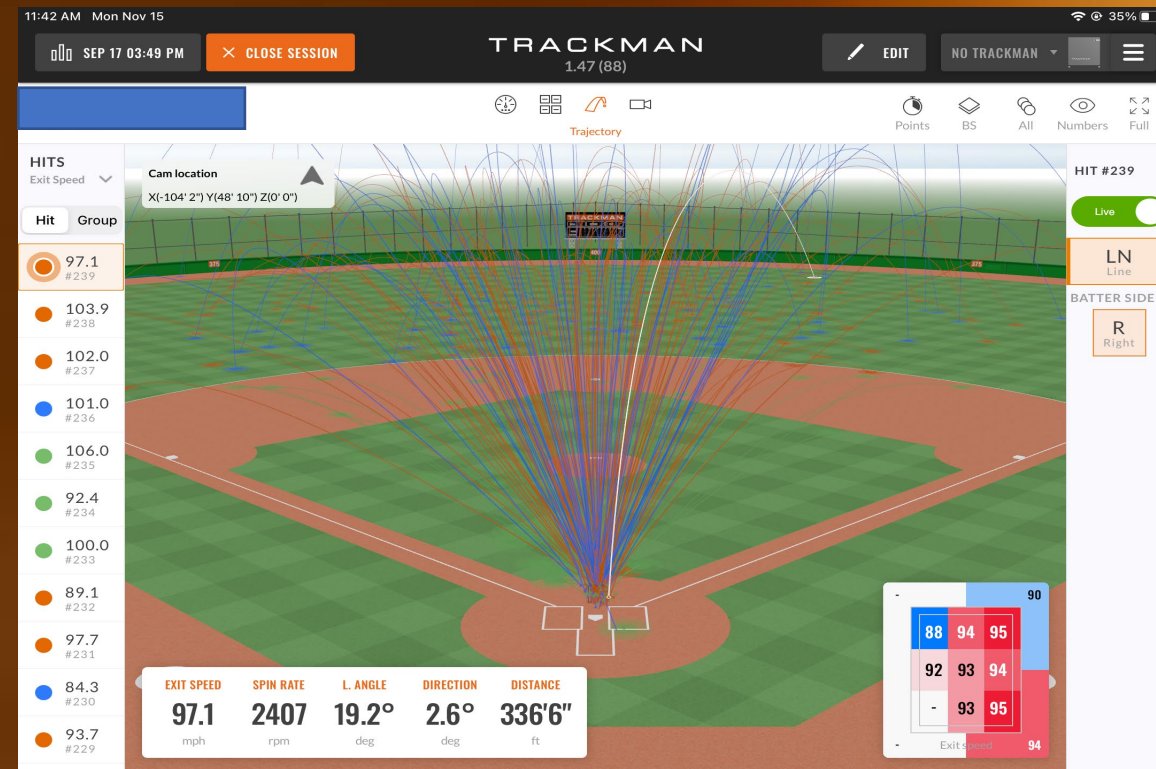
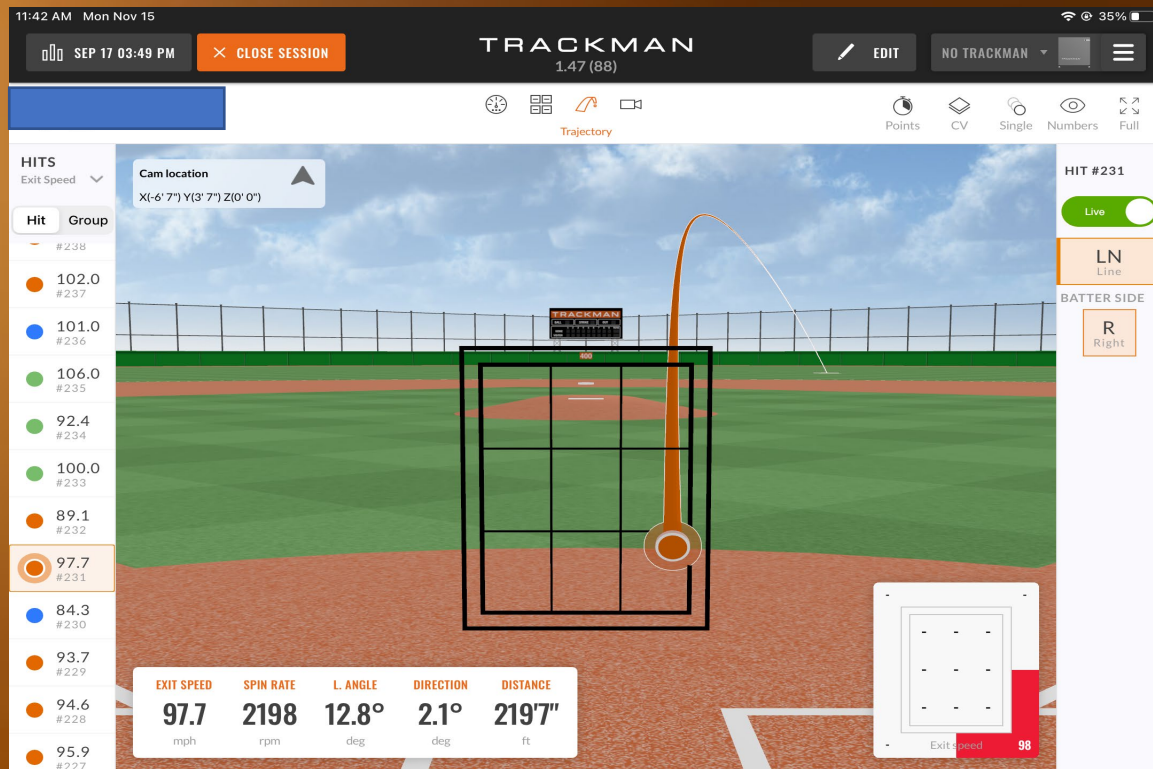
Line

BATTER SIDE

L

Left







# HITTING REPORT Tracked by Trackman Sales

TRACKMAN

All

2/4/2021

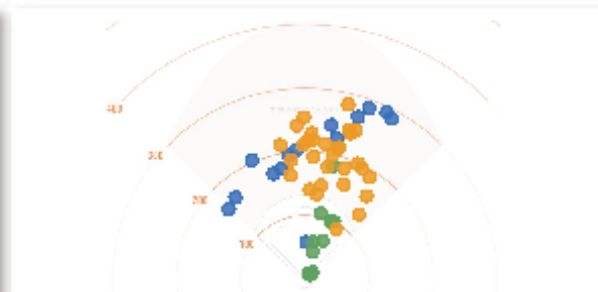
1 session  
selected

☒ Live  
☐ Warmup

## DISTANCE AVG

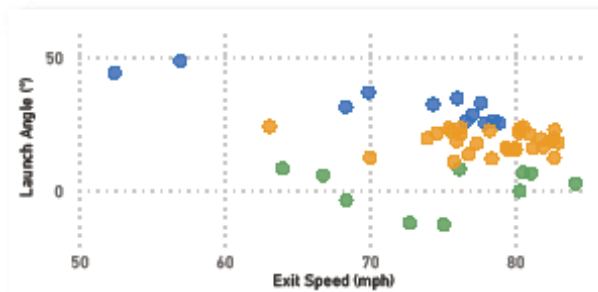
Hit Type	#	Distance	Max
LineDrive	30	198.2	284.6
FlyBall	15	209.6	284.2
GroundBall	10	71.1	185.4

## SPRAY CHART



## LAUNCH AVG

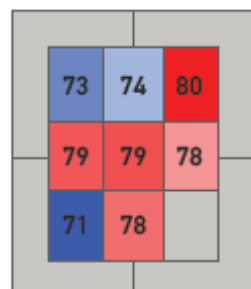
Hit Type	#	Angle	Speed	Max
LineDrive	30	18.7	78.3	83.0
FlyBall	15	31.9	70.4	83.1
GroundBall	10	1.0	74.9	84.2



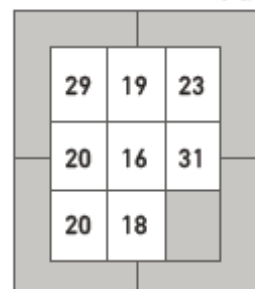
## LOCATION AVG

Hit Type	Strike	Strike Ext.	Out
LineDrive	83 %		
FlyBall	73 %		
GroundBall	60 %		

## EXIT SPEED (MPH)



## LAUNCH ANGLE (°)



## DISTANCE AVG

Hit Type	#	Distance	Max
GroundBall	72	60.7	239.5
LineDrive	68	176.8	327.2
FlyBall	35	170.2	291.4

## LAUNCH AVG

Hit Type	#	Angle	Speed	Max
GroundBall	72	-0.8	68.5	96.0
LineDrive	68	18.0	76.0	97.4
FlyBall	35	31.4	65.2	90.8

SELECT SESSION TYPE

NEXT

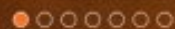
PITCHING



HITTING



Setup external camera

Follow camera and tap camera in field display or use  
Touchpad for remote view

1/7

SELECT TRACKMAN LOCATION

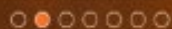
NEXT

INDOOR



OUTDOOR

Includes tented outdoor cages

☒ Custom pitching distance or heightIf custom, please enter the pitching distance  
from the rubber to home plate. Set to 90 feet.

2/7

PLACE THE TRACKMAN

Drag sliders to confirm where you placed the TrackMan

NEXT

Distance

From tip of home plate to TrackMan

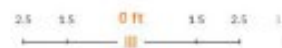


Offset

1.5 2.5 3.5 0 ft 1.5 2.5 3.5

Height

From ground to the center of TrackMan



3/7

ENTER CUSTOM FIELD DIMENSIONS

Measure the length with laser distance meter



RUBBER

HOME PLATE

Distance

60 ft 6 in



FIELD

Height

10 in

Note: Only change parameters if you have a custom field setup



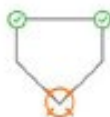
CONFIRM RUBBER, TIP OF HOME PLATE AND ROLL ARE WITHIN ALLOWED RANGE

Turn on the TrackMan so rubber and tip of plate are within marked areas. Adjust roll if needed

NEXT



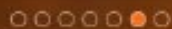
Point out the tip of the home plate



Fine adjust target



ART CARD



6/7

POINT OUT HOME PLATE

Point out the tip of home plate

NEXT

POINT OUT RUBBER

Drag the crosshair to the front center of rubber

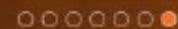
NEXT

Aim at the center of rubber

Make sure to be very precise



ART CARD



7/7

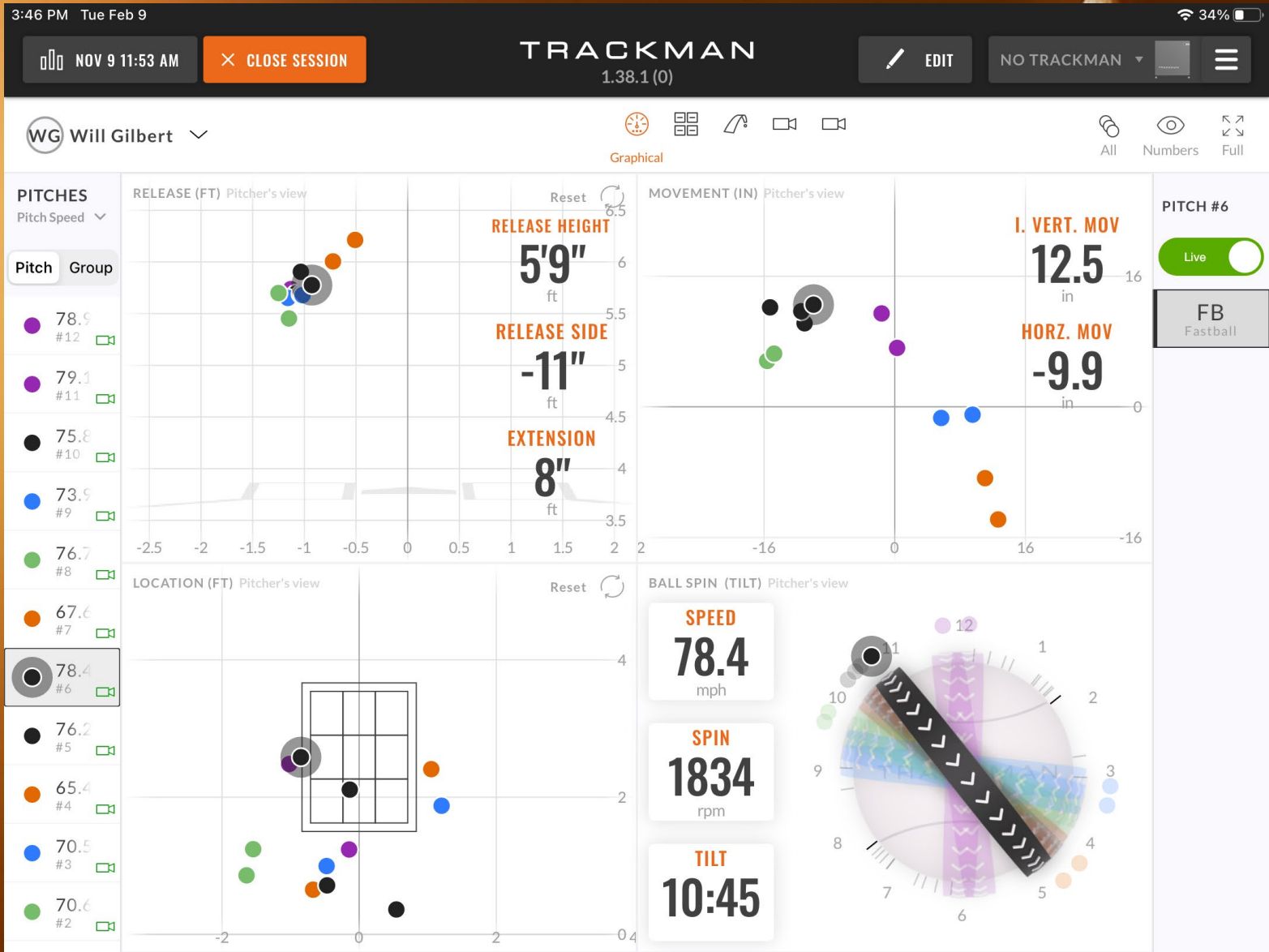
PITCHING CALIBRATION COMPLETE

TrackMan is now ready to use



Optional: Do a full calibration for custom field size





TRACKMAN

3:47 PM Tue Feb 9

NOV 9 11:53 AM

CLOSE SESSION

TRACKMAN  
1.38.1 (0)

EDIT

NO TRACKMAN

WG Will Gilbert

Numerical

Edit

Full

PITCHES

Pitch Speed

Pitch Group

78.9  
#12

79.1  
#11

75.8  
#10

73.9  
#9

76.7  
#8

67.6  
#7

78.4  
#6

76.2  
#5

65.4  
#4

70.5  
#3

70.6  
#2

PITCH SPEED

78.4  
mph

SPIN RATE

1834  
rpm

HORZ REL ANGLE

1.1°

VERT REL ANGLE

-1.4°

VERT. APPR. ANGLE

-6.5°

EXTENSION

8"  
ft

HORZ. APPR. ANGLE

-1.0°

HORZ. MOV

-9.9  
in

I. VERT. MOV

12.5  
in

PITCH #6

Live

FB  
Fastball

TRACKMAN





PAST SESSIONS

PAUSE

STOP

TRACKMAN  
1.45 (92)

Trajectory



Points



CV



Pinned



Numbers



Full

## PITCHES

Pitch Speed



Next

82.0  
#16

Pitch Group

85.8  
#1488.3  
#12

Longpress on a pitch to



Delete



Pin to compare

Cam location

X(-15'-8") Y(4'-2") Z(0'-0")

RESET VIEW

PITCH #16

Live

FB  
FastballCT  
CutterSK  
SliderSL  
SliderSP  
SplitterCH  
ChangeupCB  
CurveballKB  
KnuckleballOther  
Other

FLAG

2  
Group?  
Group

SPEED

82.0

mph

SPIN

2236

rpm

TILT

11:30

sec

EXTENSION

4'9"

ft

REL.SIDE

3'4"

ft

REL.H

5'4"

ft

MOVEMENT (IN) Pitcher's view

I. VERT. MOV

4.5

in

HORZ. MOV

-1.2

in

TRACKMAN



34%

✕ CLOSE SESSION

 **EDIT**

NO TRACKMAN ▼



WG Will Gilbert ▾



## Camera



Share



All



Pinned

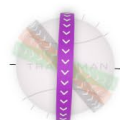


Full

Pitch Speed ▾

Pitch Group

1



## SPEED

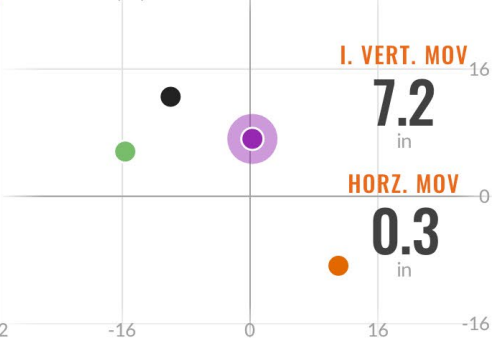
78.9  
mph

**SPIN**

2046  
rpm

TILT

12:00

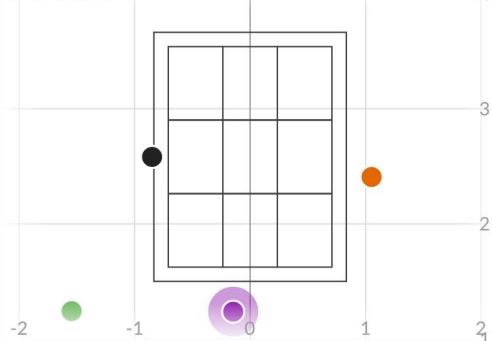


I. VERT. MOV

## 7.2

**HORZ. MOV**

0.3  
in



Longpress on a  
pitch to

 Pin to compare

## PITCH #12

Live

CT  
Cutter



5ms

# TRACKMAN



# PITCHING REPORT Tracked by Trackman Sales

TRACKMAN

All

11/9/2020

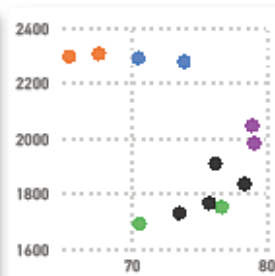
1 session  
selected

☒ Live  
☐ Warmup

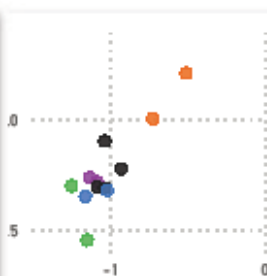
## RELEASE SLOT AVG

Pitch Type	#	Velo	Max	Spin	Max	Ext
● Fastball	4	76.0	78.4	1809	1908	0.6
● ChangeUp	2	73.6	76.7	1720	1751	0.8
● Curveball	2	66.5	67.6	2300	2305	-0.3
● Cutter	2	79.0	79.1	2014	2046	0.7
● Slider	2	72.2	73.9	2283	2289	0.1

## VELO VS. SPIN



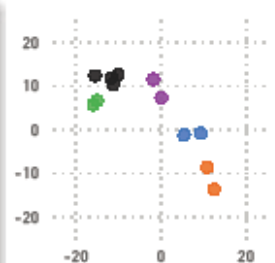
## POSITION



## MOVEMENT AVG

Pitch Type	#	IVB	HB	Tilt
● Fastball	4	11.7	-11.9	10:30
● ChangeUp	2	6.1	-15.2	9:45
● Curveball	2	-11.3	11.9	4:30
● Cutter	2	9.3	-0.7	12:00
● Slider	2	-1.2	7.6	3:15

## BREAKS



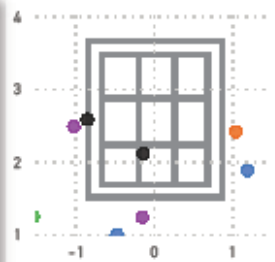
## TILT



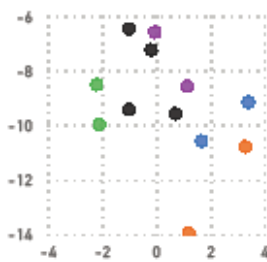
## LOCATION AVG

Pitch Type	Strike	Strike Ext.	Out	VAA
● Fastball	25 %		75 %	-8.2
● ChangeUp			100 %	-9.2
● Curveball			100 %	-12.4
● Cutter			100 %	-7.6
● Slider			100 %	-9.9

## STRIKE ZONE



## APPROACH ANGLE



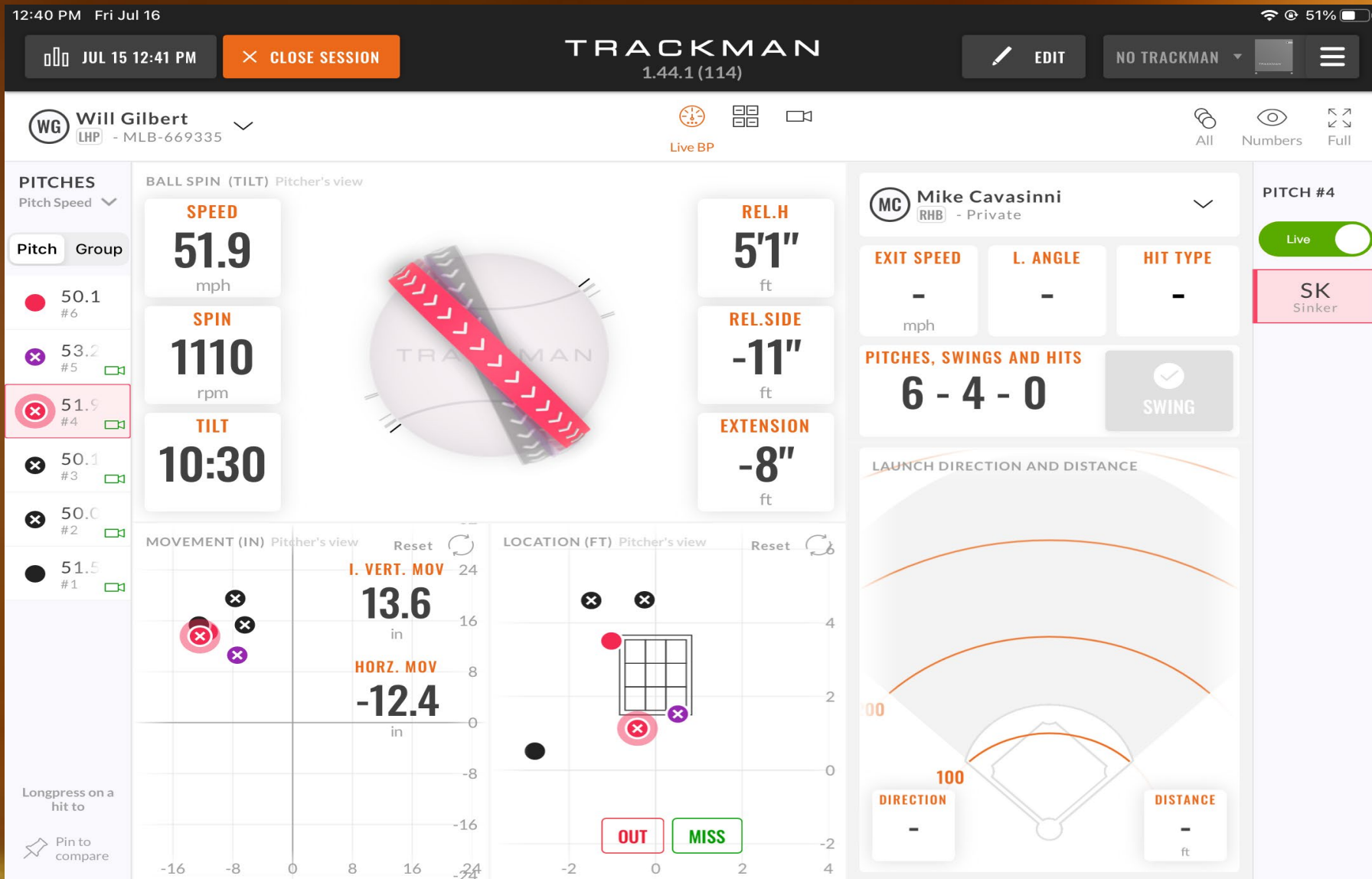
**Note:** The above visuals are limited to only the top 5 pitch types for the selected player(s) and date range.

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● Curveball	2	-11.3	11.9	4:30
● Cutter	2	9.3	-0.7	12:00
● Slider	2	-1.2	7.6	3:15







BALL SPIN (tilt) Pitchers view

SPEED

**93.5**  
pmh

TOT. SPIN

**2528**  
rpm



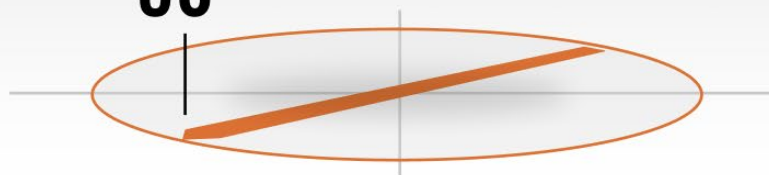
TILT

**1:00**  
clock

ACTIVE SPIN

**2218**  
rpm

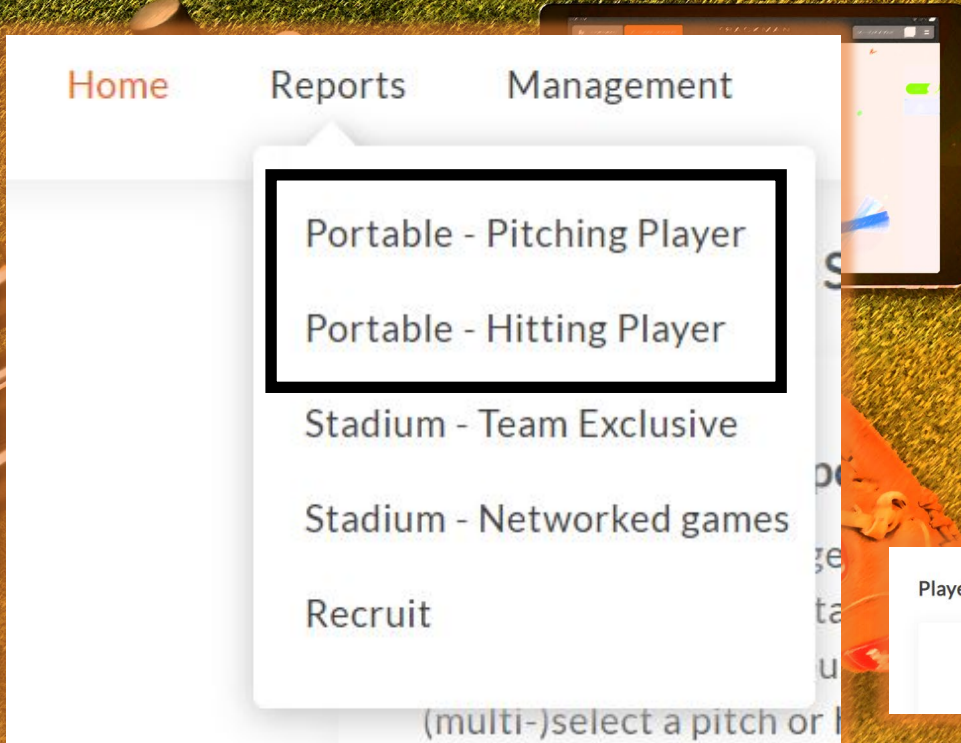
**-30°**




GYRO

**-30°**  
deg

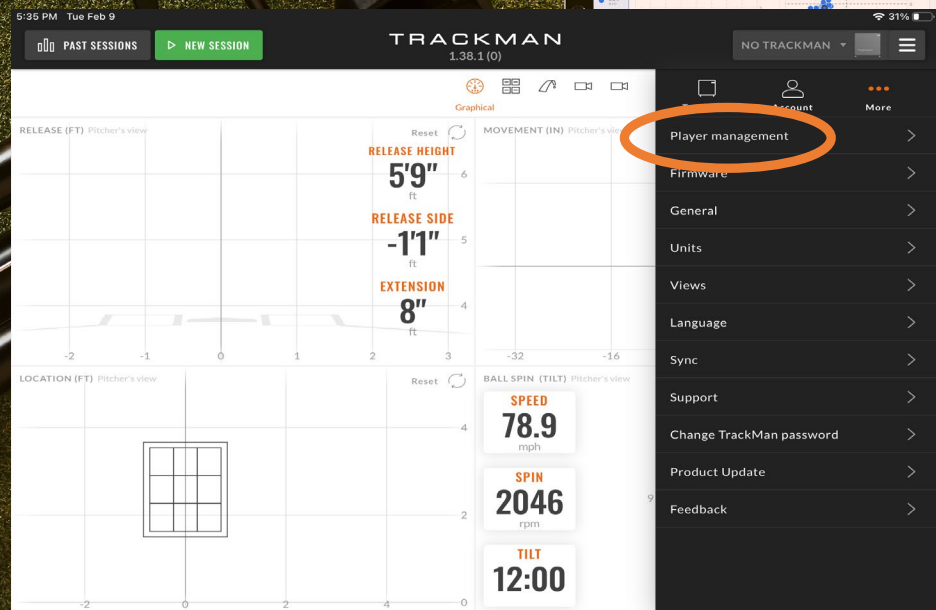
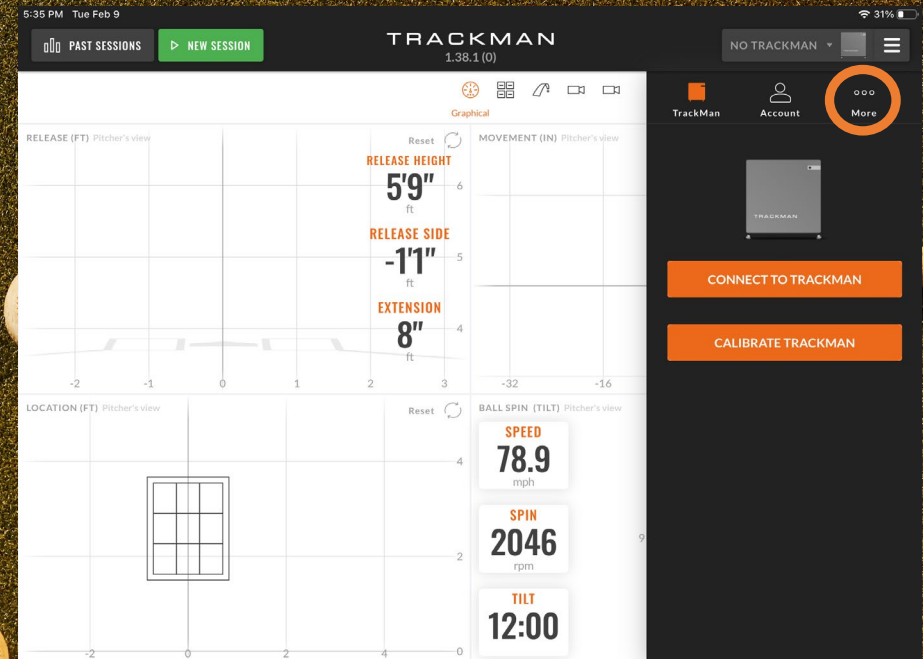
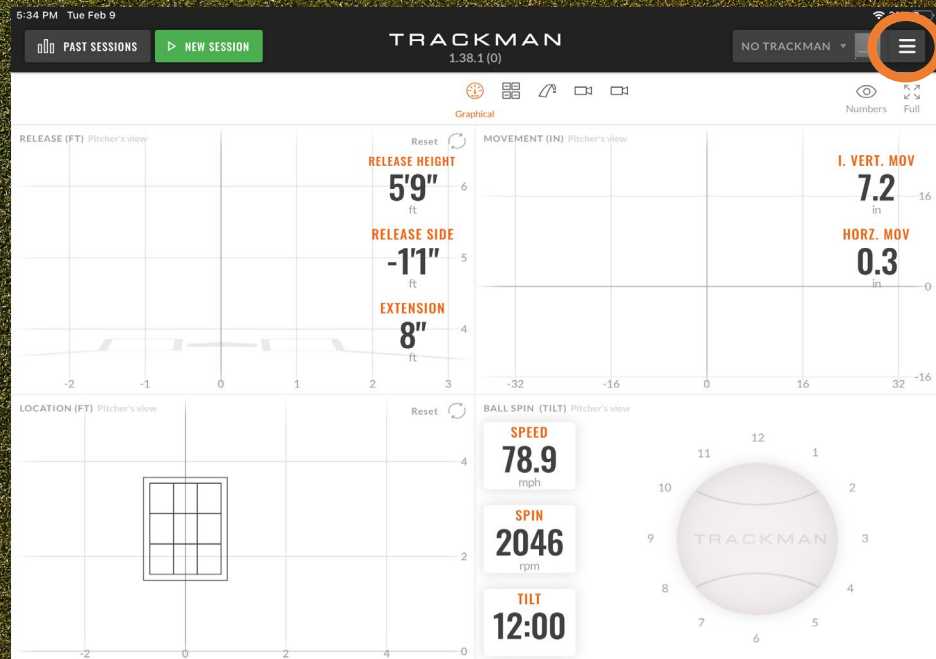




Players 1052 Players 

Name	DOB	Number	Team	Player ID
------	-----	--------	------	-----------





Players (0)

These players are available when you create a session line-up

Search players

+ ADD PLAYER

The screen shows a search bar for players. Below the search bar is a large orange button labeled '+ ADD PLAYER'.



## Data Accuracy

Pitching	Accuracy		Hitting	Accuracy
Release Speed	0.1 mph		Exit Speed	1 mph
Spin Rate	20 rpm		Launch Angle	2 degrees
Spin Direction	3 degrees		Launch Direction	2 degrees
Release Height & Side	1 in		Spin Rate	20 rpm
Extension	3 in		Landing Distance	5 ft
Horz & Vert Break	1 in		Contact Depth	5 in
Plate Height & Side	1 in		Contact Side & Height	3 in



# What to Do before your On-Boarding Session:



TRACKMAN