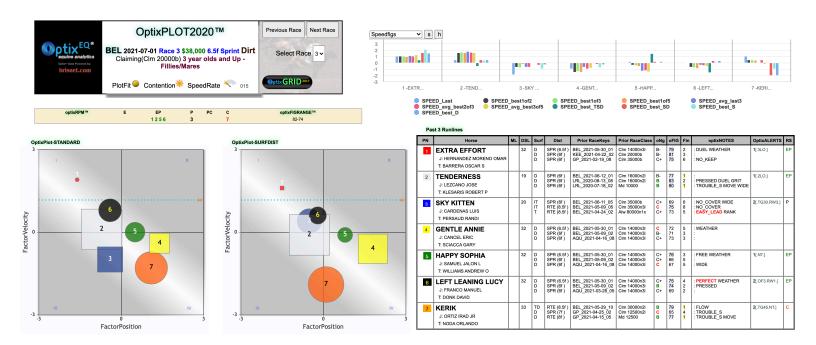


OPTIXPLOT USER GUIDE



INTRODUCTION

The OptixPLOT is a multidimensional data-visualization tool that allows horseplayers to quickly assess the pace dynamics of a race while also incorporating the traditional handicapping elements; class, form, and speed. Through the use of proprietary data, optixEQ has created a completely revolutionary way of handicapping a race by plotting horses on a graph allowing players to visualize how a race is likely to unfold.

Each OptixPLOT is unique because it evaluates every horse in the race relative to the other horses in the field. A horse might look like a lone-frontrunner in one race, and in another, look like an off-the-pace type.

This User's Guide will identify and explain all the components and features of OptixPLOT.



OPTIXPLOT HEADER



The "Header" at the top of the OptixPLOT screen gives users the basic information of the race, including:

- Track
- Date
- Race Number
- Purse
- Distance
- Surface
- Condition
- Age
- Sex

Underneath the basic information are 3 pace metrics to assess the runners:

PLOTFIT

Measures how closely the entire race lines up along the white flow-band (a diagonal line running from upper-left to lower-right) of each OptixPLOT. The closer each runner is to the band, the better the overall "PlotFit" and reliability of a given OptixPLOT. The "PlotFit" metric is based on a scoring system that measures the reliability of both the Standard & SurfaceDistance (SURFDIST) OptixPLOTs for each race. The measurement will be reflected by one of these colored circles:



If you hover over the colored circle, the metrics used to rate the overall reliability of the race will display.



OPTIXPLOT HEADER (CONT'D)

CONTENTION

A rating that helps assess the early pace contention of the race. This doesn't mean a race will necessarily have a fast or slow pace, but it does project the early pace dynamics. Our scoring system has three labels to describe pace contention.

🪺 High Contention 🏻 👰 Avera

熯 Average Contention 🛚 🏶 S

Soft Contention

SPEEDRATE

Assesses the potential early speed rate of the race: Very Fast, Average or Slow:



• 0 -24: projects Slow Speed Rate

• 25-50: projects Average Speed Rate

• 50+: projects Very Fast Speed Rate

CHANGE TO ANOTHER RACE AT THE SAME TRACK

For easy navigation from one race to the next, simply press the "Previous Race" or "Next Race" buttons accordingly. Or, click on the "Select Race" and all the day's races from the selected track will appear. Just click on the race number you'd like to view and the OptixPLOT will open up for that race.

VIEW OPTIXGRID

Click on the OptixGRID button to display OptixGRID: the proprietary OptixEQ past-performance interface which offers in-depth detail about all runners in the race and allows you to delve even deeper into handicapping characteristics based on past-performances. The OptixGRID interface provides players with all of the necessary tools to handicap a race and is included FREE with any OptixPLOT or OptixNOTES purchase.



OPTIXRPM

optixRPM™	E	EP	Р	PC	С	optixFIGRANGE™
		1256	3		7	82-74

The "RunStyle Plot Match" gives an at-a-glance view of the different types of run styles employed by each of the horses in the race and whether that style and their PLOT position are a good match. Each horse's Position Number is placed under their preferred running style.

- E: Early-Pace
- EP: Early-Pace/Pressers
- P: Pressers
- PC: Pressers/Closers
- C: Closers

COLOR CODING

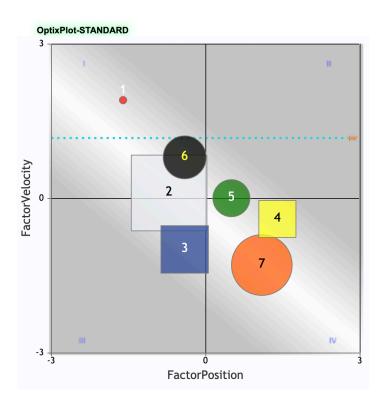
The optixRPM color-coding (Green, Black or Red) assists in determining how well a horse's plot position matches its preferred run style.

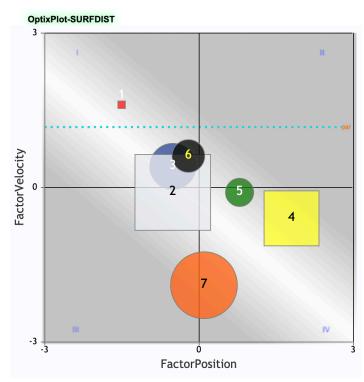
- Green: the horse's plot position is a good match with the horse's preferred run style.
- Black: the horse's plot position is an average match with the horse's preferred run style.
- Red: the horse's plot position does not match up well with the horse's preferred run style.

The OptixFIGRANGE is the projected Optix Speed Figure range needed to win the race.



OPTIXPLOT





OptixPLOT gives players an "at-a-glance" view of **pace dynamics** - how a race is likely to unfold. OptixEQ's proprietary algorithm uses representative running lines from a horse's past-performances to comparatively plot horses on a graph. Each horse's OptixPLOT position represents their early and mid-race capability; the surrounding CIRCLE or SQUARE represents the horse's finishing ability.

OptixPLOT is comparative; each horse is plotted based on its relation to all of the other horses in the race. The pace dynamic is captured in two different PLOTs:

- OptixPLOT-STANDARD represents the pace-dynamics of the race using each runner's most recent races, regardless of surface or distance. It's a very useful plot analysis because it emphasizes "recency" and accurately reflects a horse's current form.
- OptixPLOT-SURFDIST represents the pace-dynamics of the race using each runner's most recent races only on the given surface and distance of today's race.

OPTIXPLOT USER GUIDE



OPTIXPLOT (Cont'd)

X AND Y AXES

When viewing an OptixPLOT, the first thing to consider is the position of the horses relative to each other. You'll see that each plot consists of an X-axis and a Y-axis. A horse's position is based on how he compares to the other runners in the race.

The X-axis ("FactorPosition") represents the "Early Pace Position," or where the horse should be at the first call: the farther to the left on the plot, the closer to the lead positionally a horse is early in the race. This corresponds to the standard first-call used in all races, as per the official charts (i.e., 2-furlongs in Sprints and 4-furlongs in Routes).

The Y-axis ("Factor Velocity") represents the "Early Pace Velocity" of a horse. The pace velocity is a measurement of how fast a horse runs from the first point of call to the second, so the higher up on the Y-axis a horse lies, the faster the horse is to the second point of call during the race. For Sprint races, this typically represents 4-furlongs; for Routes, it's 6-furlongs.

So, if you view the plot on a diagonal, along the "white flow-band" from top-left to lower-right, you'll get a very good sense of where in the race a horse will be positioned before turning for home. This is where the quadrants of the graph become important to the interpretation of a race.

OPTIXPLOT QUADRANTS

Each OptixPLOT is divided into four quadrants (Q):

- Q1 is the upper-left portion of the grid. It represents speed horses with relatively decent early pace-velocity times.
- Q2 is the upper-right portion of the grid. It generally represents stalkers/off-the-pace types with relatively decent early pace-velocity times.
- Q3 is the lower-left portion of the grid. It represents speed horses with relatively weaker early pace-velocity times or off-pace runners that stay close to the lead in pace-less races.
- Q4 is the lower-right portion of the grid. It represents off-the-pace runners/deep closers.

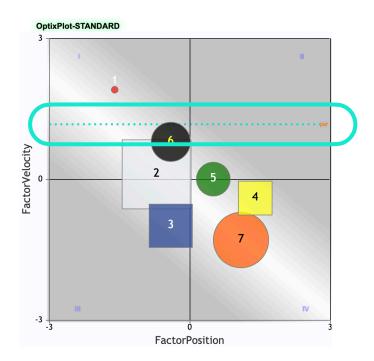
The placing and spacing of the horses in the various quadrants is important because it represents the pace set-up of the race. Horses in Q1 and Q3 should show early speed. Horses in Q2 should show some kind of middle move. Horses in Q4 will come from off the pace. Horses that are "unplottable" (i.e., first-time starters, European imports, horses that have not run on the selected surface or at today's distance, etc.) will be surrounded by a triangle located on the upper-right side of the PLOT. The triangle indicates that there is no data in which to analyze a horse's PLOT position.



OPTIXPLOT QUADRANTS (CONT'D)

Remember that each OptixPLOT is unique because it evaluates every horse in the race relative to each other. In other words, each OptixPLOT analyzes a race based on the competitors in the race. A horse might be a lone-frontrunner in one race, but in another race (perhaps against classier horses), it might have to come from off the pace. That is because each horse is plotted relative to its competition.

PAR LINE

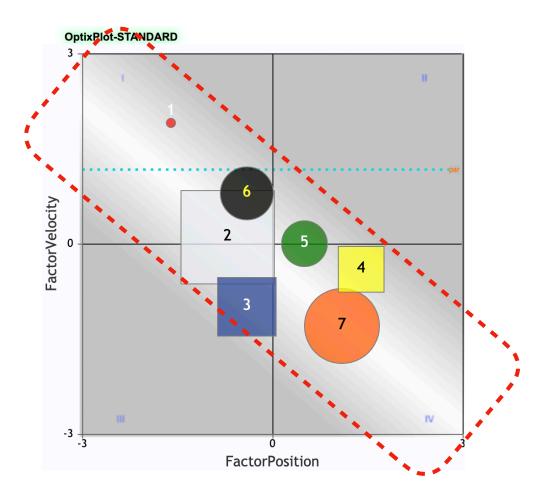


Every race will have a "par line." The par line is the point on the Y-axis where a mythical horse would fall, if that mythical horse had an average velocity time for the class of horses in the given race. The par line is helpful in gauging the class level of the horses in a race while also assessing the early pace dynamics.

If there are several horses above the Par Line, it typically means that the race will have a faster-than-average pace. If most of the horses fall below the Par Line, it typically means that the race will have a slower-than-average pace.



DIAGONAL WHITE FLOW BAND



By viewing the field on the plot along the diagonal white flow-band, you can get a pretty accurate picture of where a horse will be positioned before turning for home. For instance, if you have a horse all alone in the upper portion of Q1, you know that he has a decided pace advantage over the field, whereas if you have several horses in Q1 all contending for the lead, the race should favor an off-the-pace runner.

And once you have a picture of this race-flow, that's where the third "dimension" of the OptixPLOT comes into play: the "Closing Pace Velocity."



CIRCLES AND SQUARES

SHAPE - CLOSING PACE VELOCITY/FINISHING ABILITY

Each of the horses on the plot is surrounded either by a CIRCLE or a SQUARE. The geometrical shape and its size indicates the horse's "Closing Pace Velocity," or as referred to in this guide as its "Finishing Ability."

SIZE

CIRCLEs represent horses with average to weak finishing ability.

SQUARES represent horses with average to strong finishing ability.

The larger the CIRCLE, the weaker the horse's finishing ability as compared to the other horses in that race.

The larger the SQUARE, the stronger the horse's finishing ability as compared to the other horses in that race.

The next 2 graphics can help you visualize the pattern.

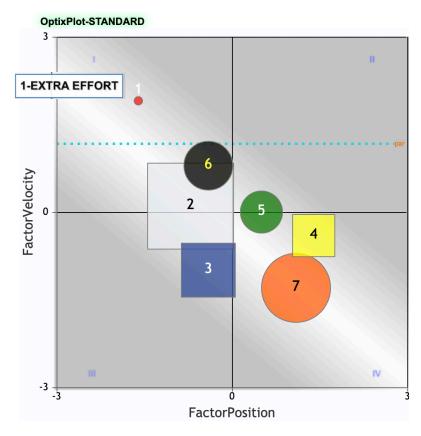
		0	
BEST Finishing			WORST Finishing
Ability			Ability



CIRCLES AND SQUARES (CONT'D)

COLOR

The geometrical shape is color filled to match the horse's saddlecloth. If you "hover" (point your mouse) over any circle or square on an OptixPLOT, that horse's name and program number will be displayed in a rectangular box.







PAST 3 RUNLINES TABLE

Past 3 Runlines

PN	Horse	ML	DSL	Surf	Dist	Prior RaceKeys	Prior RaceClass	oNg	oFIG	Fin	optixNOTES	OptixALERTS	RS
1	EXTRA EFFORT J: HERNANDEZ MORENO OMAR T: BARRERA OSCAR S		32	D D D	SPR (6.5f) SPR (6f) SPR (6f)	BEL_2021-05-30_01 KEE_2021-04-22_02 GP_2021-02-19_08	Clm 14000n3l Clm 20000b Clm 35000b	B- B- C+	79 81 75	2 3 6	: DUEL WEATHER : : NO_KEEP	1 [.3LO.]	EP
2	TENDERNESS J: LEZCANO JOSE T: KLESARIS ROBERT P		19	D D D	SPR (6f) SPR (6f) SPR (6f)	BEL_2021-06-12_01 LRL_2020-08-13_08 LRL_2020-07-18_02	Clm 16000n2l Clm 16000n2l Md 10000	B- B B	77 83 80	1 2 1	: : PRESSED DUEL GRIT : TROUBLE_S MOVE WIDE	1 [.2LO.]	EP
3	SKY KITTEN J: CARDENAS LUIS T: PERSAUD RANDI		20	IT IT T	SPR (6f) RTE (8.5f) RTE (8.5f)	BEL_2021-06-11_05 BEL_2021-05-09_05 BEL_2021-04-24_02	Clm 35000b Clm 35000n3l Alw 80000n1x	C+ C C+	69 75 73	6 8 5	: NO_COVER WIDE : NO_COVER : EASY_LEAD RANK	2 [.TG30.RW3.]	Р
4	GENTLE ANNIE J: CANCEL ERIC T: SCIACCA GARY		32	D D D	SPR (6.5f) SPR (6f) SPR (6f)	BEL_2021-05-30_01 BEL_2021-05-09_02 AQU_2021-04-16_08	Clm 14000n3l Clm 14000n3l Clm 14000n3l	C B- C+	72 71 73	5 3 3	: WEATHER : :		
5	HAPPY SOPHIA J: SAMUEL JALON L T: WILLIAMS ANDREW O		32	D D D	SPR (6.5f) SPR (6f) SPR (6f)	BEL_2021-05-30_01 BEL_2021-05-09_02 AQU_2021-04-16_08	Clm 14000n3l Clm 14000n3l Clm 14000n3l	C+ C+ C	76 66 67	3 5 5	: FREE WEATHER : : WIDE	1[.NT.]	EP
6	LEFT LEANING LUCY J: FRANCO MANUEL T: DONK DAVID		32	D D D	SPR (6.5f) SPR (6f) SPR (6f)	BEL_2021-05-30_01 BEL_2021-05-09_02 AQU_2021-03-28_05	Clm 14000n3l Clm 14000n3l Clm 14000n3l	C+ B C+	75 74 69	4 2 2	: PERFECT WEATHER : PRESSED :	2 [.OF3.RW1.]	EP
7	KERIK J: ORTIZ IRAD JR T: NODA ORLANDO		33	TD D D	RTE (8.5f) SPR (7f) RTE (8f)	BEL_2021-05-29_10 GP_2021-04-25_02 GP_2021-04-15_05	Clm 30000n2l Clm 12500n2l Md 12500	B C B	79 65 77	1 4 1	: FLOW : TROUBLE_S : TROUBLE_S MOVE	2 [.TG45.NT.]	С

To the right of the OptixPLOTs is a table displaying the Past 3 Runlines of all horses in the race. It provides further insight into a horse's ability by allowing you to assess which horses are at key points in their form cycle and seeing which runners fit from a speed-figure and class perspective. Hover over any horse in the Past 3 Runlines table to highlight their position on the OptixPLOT. Fields include:

- PN: Program Number and saddlecloth color of the horse
- Horse: Name of the Horse, Jockey and Trainer (Hover over the horse's name and their age and gender will pop up.)
- ML: Morning-line odds of the horse
- DaysLast: Number of days since the horse last ran
- Surf: Surface of the last 3 races
- Dist: Distance of the last 3 races
- PriorRaceKeys: Track, Date, Program Number of the last 3 races
- PriorRaceClass: Class of the last 3 races



PAST 3 RUNLINES TABLE (Cont'd)

- oNg: OptixNotes "TripGrade" based on our expert's optixNOTES letter-grade. This field is for Subscribers Only. See the optixNOTES User Guide for additional information on this feature.
- oFIG: Optix Speed Figure. If a horse has run an OptixFIG that fits within this race's projected winning range, the oFIG will be shaded.
- Fin: Finish position of the horse in that past race. First place finishes are highlighted.
- OptixNOTES: Hover over the OptixNOTES and the extended NOTES will display (This incorporates another OptixEQ product and will appear for OptixNOTES subscribers only.)
- OptixALERTS: Highlights any interesting form-cycle information for a particular horse. They are abbreviated, but hover over any abbreviated ALERT to view the full ALERT description.
- RS: Run Style. Displays the horse's favored Run Style (E=Early, EP=Early Presser, P=Presser, PC=Presser/Closer C=Closer) and is color coded to correspond with the optixRPM. Horses with multiple designations have a versatile run style and have run competitive races implementing those particular styles. An additional feature of this column is the "OptixRunStyle" box which pops up when you hover over the Run Style designation. This box lists each optixPLOT category Standard, Surface, Distance, SurfDist and displays the horse's Run Style and the number of times the horse has demonstrated that run style in competitive races. It also displays the horse's highest speed-figure and maximum lengths back at the second point of call for those selected races.

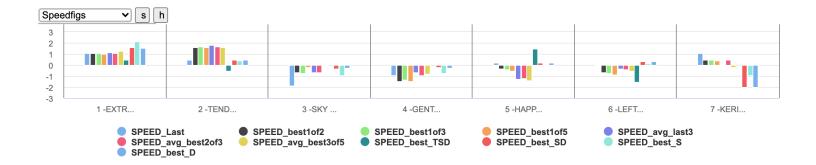


Example: On the Standard OptixPLOT, 3-FLEET WARRIOR ran 3 good races displaying an Early run style and 1 good race as a Presser. In those races, his best OptixFIG was 92 and his maximum distance behind at the second point of call was 3.5 lengths back.

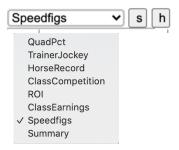
If there is no Run Style indicated on the Past 3 RunLines Table, the horse either has not established a preferred running style or there is limited information available to determine the run style.



OPTIX VBAR



To the right of the OptixPLOT Header is the VBar graph. It provides quick comparisons of various handicapping categories pertaining to the horses in this race. All of the statistical categories of a horse represented on the graph are in relation to the other horses in this field. The Post Number and Name of each horse is located beneath his bar chart. The VBar shows positive statistics (above the "0") and negative statistics (below the "0"). Horses with bars that rise above the "0" have performed better in that category than horses below the "0."



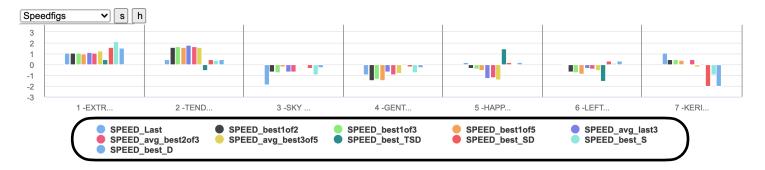
Speedfigs is the default category and will display first upon opening an OptixPLOT. Users can easily change to another category by clicking on the drop-down menu at the top left of the VBar. A checkmark will appear next to the category being displayed. (Note: if you move to another race or track, the VBar will always default back to the Speedfigs category.)

Two options are located to the right of the Category Dropdown Box:

- s "Show" which displays all of the metrics within that category
- h "Hide" which hides all of the metrics within that category



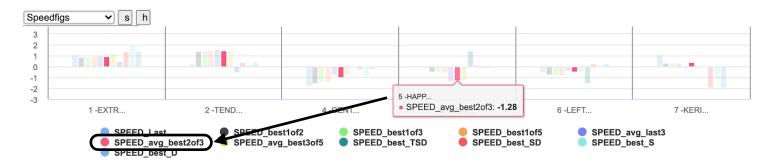
OPTIX VBAR METRICS



Across the bottom of the VBar, detailed metrics are displayed that allow users to hone in on specific information within that particular category. These metrics are color coded and each one corresponds to the color coded bar on the graph. The graph displays the bars in the same order as the sub-categories below with each line reading from left to right. By default, all metrics will be included.



Users can hide any specific metric by clicking on it. The corresponding bar will disappear from the chart and the metric description will lighten. If you choose to view just one of the metrics, click the "h" at the top to hide them all, then click on the one metric you want to display.



Hover over any bar within the graph and a color-coded pop-up identifies the horse's name, metric chosen and the statistical rating for that metric . All other metric bars fade out and only that chosen metric will be highlighted for all of the runners. Hover over any metric text and only that metric will be displayed for all runners.



OPTIX VBAR CATEGORIES

All VBar category metrics are based on a relative comparison to the other horses, jockeys, and trainers in that race. Available categories from the drop-down menu and their metrics are identified below:

QUADPCT: This metric compares each horse's PLOT position (Q1, Q2, Q3 or Q4) to the other horses in the field and determines which horses best fit the winning track profile. This is particularly helpful if you are unfamiliar with a circuit.

- QuadWinPct_STD: PLOT Win Percentage on STANDARD PLOT.
- QuadWinPct_SD: PLOT Win Percentage on SURF/DIST PLOT.
- QuadEXPct_STD: PLOT Win/Place Percentage on STANDARD PLOT.
- QuadEXPct_SD: PLOT Win/Place Percentage on SURF/DIST PLOT.
- QuadITMPct_STD: PLOT Win/Place/Show Percentage on STANDARD PLOT.
- QuadITMPct_SD: PLOT Win/Place/Show Percentage on SURF/DIST PLOT.

TRAINERJOCKEY: this graph displays an assortment of trainer and jockey statistics as compared to the other jockeys and trainers in the field.

- J_DistWinPCT: represents the jockey's win-percentage at today's distance.
- J_CurYrWinPCT: represents the jockey's win-percentage from the current year.
- J_PrevYrWinPCT: represents the jockey's win-percentage from the previous year.
- T_PrevYrWinPCT: represents the trainer's win-percentage from the previous year.
- J_MeetWinPCT: represents the jockey's win-percentage at the current race meet.
- T_CurYrWinPCT: represents the trainer's win-percentage from the current year.
- T_MeetWinPCT: represents the trainer's win-percentage at the current race meet.



OPTIX VBAR CATEGORIES (CONT'D)

HORSERECORD: this graph shows an assortment of horse-specific Win statistics as compared to the other horses in the field.

- horseAWwinPCT: represents the horse's win-percentage on an all weather track.
- horsePrevYrWinPCT: represents the horses win-percentage from the previous year.
- horseCurYrWinPCT: represents the horses win-percentage from the current year.
- horseMUDwinPCT: represents the horse's win-percentage on mud.
- horseTURFwinPCT: represents the horse's win-percentage on turf.
- horseFASTDIRTwinPCT: represents the horse's win-percentage on a fast-dirt track.
- horseDISTwinPCT: represents the horse's win-percentage at today's distance.
- horseTRKwinPCT: represents the horse's win-percentage at today's track.
- horseLIFEWinPCT: represents the horse's lifetime win-percentage.

CLASSCOMPETITION: this graph shows various "class"-related statistics for each horse in the race, including purse levels and auction prices as compared to the other horses in the field.

- PURSELast: represents the purse-level of the horse's last race.
- PURSEmax10: represents the maximum purse in the last ten races.
- PURSEmean10: represents the average purse in the last ten races.
- PURSEmean3: represents the average purse in the last three races.
- PURSEmax3: represents the maximum purse in the last three races.
- AUCTIONPrice: represents the auction-sale price of the horse.



OPTIX VBAR CATEGORIES (CONT'D)

ROI: this graph represents assorted "ROI" (Return On Investment) categories for jockeys and trainers as compared to the other jockeys and trainers in the field.

- JockeyCurYr: represents the ROI for the horse's jockey during the current year.
- TrainerCurYr: represents the ROI for the horse's trainer during the current year.
- JockeyDISTSURF: represents the ROI for each jockey when riding on today's distance and surface.

CLASSEARNINGS: this graph represents an assortment of "earnings"-related categories for each horse as compared to the other horses in the field.

- Trk: represents a horse's earnings at today's track.
- Dist: represents a horse's earnings at today's distance.
- Dirt: represents a horse's earnings on dirt.
- FastDirt: represents a horse's earnings on a fast-dirt track.
- Turf: represents a horse's earnings on turf.
- AllWeather: represents a horse's earnings on an all-weather track.
- Mud: represents a horse's earnings on an off-track.
- CurYr: represents a horse's earnings for the current year.
- PrevYr: represents a horse's earnings for the previous year.
- Lifetime: represents a horse's lifetime earnings.



OPTIX VBAR CATEGORIES (CONT'D)

SPEEDFIGS: this graph represents assorted "speed-figure" metrics for each horse in the race as compared to the other horses in the field.

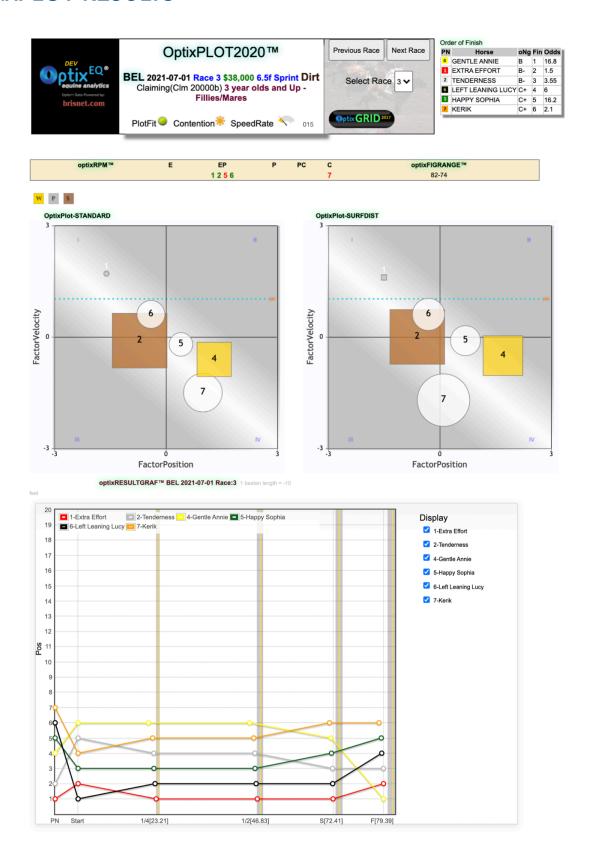
- SPEED_Last: represents a horse's speed-figure earned in the horse's last race.
- SPEED_best_1of2: represents a horse's best speed-figure from the last two races.
- SPEED_best_1of3: represents a horse's best speed-figure from the last three races.
- SPEED_best_1of5: represents a horse's best speed-figure from the last five races.
- SPEED_avg_last3: represents a horse's average speed-figure based on its last three races.
- SPEED_avg_best2of3: represents a horse's average speed-figure based on the two best speed-figures from its last three races.
- SPEED_avg_best3of5: represents a horse's average speed-figure based on the three best speed-figures from its last five races.
- SPEED_best_TSD: represents a horse's average speed-figure based on this specific Track,
 Surface and Distance.
- SPEED_best_SD: represents a horse's average speed-figure based on this specific Surface and Distance.
- SPEED_best_S: represents a horse's best speed-figure based on today's surface.
- SPEED_best_D: represents a horse's average speed-figure based on today's distance.

SUMMARY: this graph represents a summary of the pace, speed, and class handicapping categories as compared to the other horses in the field.

- Pace: represents the average of the QuadPct metrics.
- Speed: represents the average of the Speedfigs metrics.
- Class: represents the average of the ClassCompetition metrics.

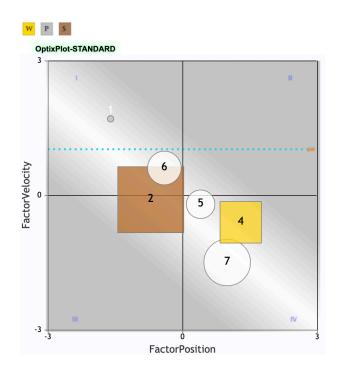


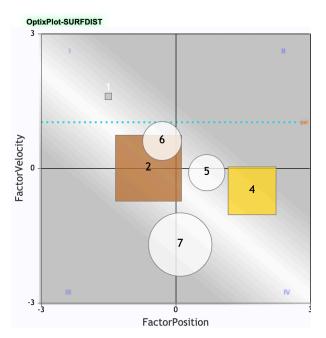
OPTIXPLOT RESULTS





OPTIXPLOT RESULTS (CONT'D)





This page is a great resource for viewing past race results from every OptixEQ track available. You are able to see where the winner came from and how the race was won.

Once a Race is complete, the main OptixPLOT page will look a little different. The header, VBAR and Past 3 Runlines will remain the same. Both PLOTs will still display the horse's Quad locations, but the only colors reflected will be those that correspond to the top 3 finishing positions of Win, Place, and Show. Win=Gold, Place=Silver and Show=Bronze. Horses that don't finish in the money will all have a white background.

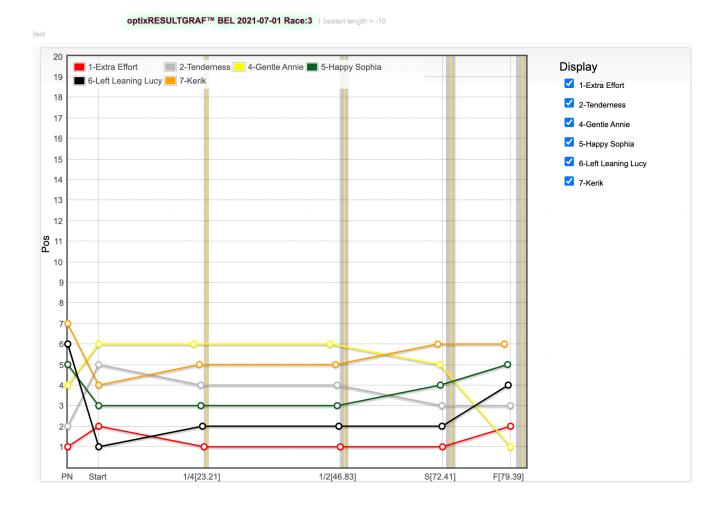


A small chart displays next to the header with the Full Order of Finish, including their OptixNOTESGrade and their final Odds.

Ord	Order of Finish						
PN	Horse	oNg	Fin	Odds			
4	GENTLE ANNIE	В	1	16.8			
1	EXTRA EFFORT	B-	2	1.5			
2	TENDERNESS	B-	3	3.55			
6	LEFT LEANING LUCY	C+	4	6			
5	HAPPY SOPHIA	C+	5	16.2			
7	KERIK	C+	6	2.1			



OPTIXRESULTGRAF



Below the OptixPLOTS is the OptixRESULTGRAF; a visual representation of how the race was won. It charts all runner's positions throughout the race. The x-axis is the duration of the race from the starting position on the left through the first, second and third calls until the finish on the right. The y-axis charts the position of the horse throughout the race in comparison to the other runners. The index at the top shows the position number, saddlecloth color and name of each horse. Horse starting positions correspond to their program number and their line graph corresponds to their saddlecloth color. If you hover any of the circle points on the graph, the following information will popup:

- Program Number
- Position of the horse at that particular call (point in the race)
- Lengths behind other horses at that particular call (point in the race)
- Distance traveled by the horse up until that point in the race.



OPTIXRESULTGRAF™ (Cont'd)

Display				
~	1-Extra Effort			
✓	2-Tenderness			
✓	4-Gentle Annie			
✓	5-Happy Sophia			
✓	6-Left Leaning Lucy			
✓	7-Kerik			

The Display to the right of the chart can be used to filter your view of specific runners. By default, all runners are included. If you want to compare only some of the runners, "un-check" any/some horse(s) to remove them from the OptixRESULTGRAF $^{\text{TM}}$.

CONCLUSION

By just using the OptixPLOT product, you will be able to easily handicap a race. You can quickly visualize the pace dynamics of any field, identify the fastest, classiest horses and get an initial assessment of each runner's current form cycle. After you've analyzed a race this way, you should move on to the more advanced analysis and start using the OptixGRID, which is a proprietary past-performance interface that allows users to handicap a race in a completely revolutionary way.

For more information, <u>optixeq.com</u> has Guides, Explainer Videos and FAQs available to help you understand and navigate all OptixEQ products. On the Home Page Menu, click INFO and choose any individual OptixEQ product. There is also great information under the Tips and Techniques section.