Derek Simon's Pace Profile Report

Conditions	Name	Record	Date	Track	DF	S	Odds	Purse	PC	Race Type	Form	Days	Speed Ratings			ESR	LSR	PP	Speed Rank	ESR Rank	LSR Rank
05/18/2013 PIM (race 12)	1-ORB (1-1)	2013 (3): 4-4-0-0-$2,280,900	05/04/13	CD11	10.0	D	*5.4	$2,000,000	14	KyDerby-G1	100.0%	14				2	-8	+	2	9	5
9.5 furlongs (main track)	Trainer: Mcgaughey Claude Iii (0-0%-0%-0%)	2012 (2): 4-1-0-1-$54,950	03/30/13	GP12	9.0	D	2.9	$1,000,000	10	FlaDerby-G1	100.0%	49				0	-4	-			
Purse: $1,000,000	Jockey: Rosario Joel (0-0%-0%-0%)	Life:8-5-0-1-$2,335,850	02/23/13	GP11	8.5	D	5.4	$400,000	6	FntnOYth-G2	100.0%	84	99	94	108	-5	-16	-			
Par ESR: -5 LSR: -11	Class Rating: 0.26 Rank: 1	Style: R+2		*Exits tougher race. Best last-race speed figure.*																	

① Date of race, track (abbreviation) and race number.
② Distance in furlongs and surface.
③ Purse value.
④ Predicted race ESR and LSR.

Early position & median ESR:

F – Front.
M/F – Middle to front.
M/R – Middle to rear.
R – Rear.
UK – Unknown.

❶ Program number and horse's name.
❷ Trainer 's name (stats at track).
❸ Jockey's name (stats at track).
❹ Class Rating (based on earnings per start) and rank.

Data highlights.

Early Speed Ration (ESR): A measurement of a horse's early energy expenditure in relation to the total race requirements. The lower the figure, the greater the horse's early exertion in that event.

-15= Demanding.
-10= Brisk.
 -5= Moderate.
  0= Soft.

Tip(s): Animals that combine low ESRs with high speed figures are often prime candidates to win in wire-to-wire fashion. So too are those steeds with a significant overall ESR advantage.

Late Speed Ration (LSR): A measurement of a horse's late energy expenditure in relation to the total race requirements. The higher the figure, the greater the horse's late exertion in that event.

  0= Excellent.
 -5= Good.
-10= Fair.
-15= Poor.

Tip(s): Because late speed is measured when each horse is being asked for its maximum effort, LSRs can be a great indication of form as well. Young horses with improving Late Speed Rations are often superior to older, more experienced rivals with established figures. Furthermore, any animal that combines a positive Pace Profile with high relative LSRs and good speed figures must be given serious consideration. Entrants that show positive LSRs or those coming off of a big win punctuated by a superior LSR are especially strong contenders.

The Late Speed Rations are also very effective in a negative context as well. Horses with consistently poor figures in relation to the rest of the field make notoriously poor favorites and can often lead to great overlays on other, less fancied runners.

Pace Profile: A simple comparison between a horse's Late Speed Ration and the Early Speed Ration of the race in which it was earned. A positive profile is greatly desired and serves to authenticate an impressive LSR. The Pace Profile is an easy, yet crucial means of relating early speed to late speed.

Tip(s): The Pace Profile of a particular race can be especially useful when horses are switching distances/surfaces. For example, an animal that has been competing in dirt sprints might be given extra consideration in a turf route if he/she shows a string of positive Pace Profiles, as distance races on the lawn tend to emphasize late speed.

Record: Horse's starts, wins, seconds, thirds and earnings over the past two years (age in parenthesis), as well as its career totals.
Date: When the race was run.
Track: The track over which the race was run.
DF: Distance in furlongs of the race.
S: Surface on which the race was contested — "D" for dirt, "D+" for all-weather and "T" for turf. (Lower case letters denote inner track.)
Odds: Odds in race. An asterisk signifies that the horse was the betting favorite; the letter "e" indicates the horse was coupled in the wagering.
Purse: Monetary value of the race.
PC: Purse comparison between today's race and the listed race. A "10" denotes the same value as today's event; higher numbers indicate a larger purse value; and lower ratings specify a smaller purse value.
Race Type: Name and/or conditions of the race.
Form: Rating representing horse's finishing position and beaten lengths (if any) in the race. A 100 percent rating designates a winning effort, whereas the closer the percentage is to zero, the worse the performance is deemed to have been.
Days: Days lapsed since race was run.
Speed Ratings: Numerical representation of a how fast the horse ran. Ratings of 100 or greater indicate a performance equal to or exceeding par.
ESR: Early Speed Ration (see explanation at left).
LSR: Late Speed Ration (see explanation at left).
PP: Pace Profile (see explanation at left). A "⊘" sign indicates that the figures were earned over a different surface than today's.
Speed, ESR and LSR Rank: Ranking of each horse's median Speed Ratings, ESRs and LSRs. A plus sign (+) denotes that the horse has a significant advantage in that category. Two plus signs (++) indicate that the advantage is overwhelming.

05/19/2018 PRK (race 13)
9.5 furlongs (main track)
Purse: $1,500,000
Par ESR: -8 LSR: -5

Name	Record	Date	Track	DF	S	Odds	Purse	PC	Conditions	Form	Days	Speed Ratings			ESR	LSR	PP	Speed Rank	ESR Rank	LSR Rank
1-QUIP (12-1)	2018 (3): 2-1-1-0-$410,000	04/14/18	OP11	9.0	D	6.3	$1,000,000	8	ArkDerby-G1	73.5%	35				0	-3	-	3	8	1
Trainer: Brisset Rodolphe (0-0%-0%-0%)	2017 (2): 3-2-0-0-$72,800	03/10/18	TAM11	8.5	D	19.1	$400,000	5	TamDby-G2	100.0%	70	82	96	93	1	0	-			
Jockey: Geroux Florent (0-0%-0%-0%)	Life:5-3-1-0-$482,800	11/25/17	CD11	8.5	D	5.4	$200,000	4	KyJC-G2	16.0%	175				-4	-13	-			
Class Rating: 0.04 Rank: 3	Style: F+0																			
2-LONE SAILOR (15-1)	2018 (3): 4-0-2-0-$210,600	05/05/18	CD12	10.0	D	24.5	$2,000,000	12	KyDerby-G1	13.9%	14				-5	-17	-	8	3	5
Trainer: Amoss Thomas M (0-0%-0%-0%)	2017 (2): 5-1-1-1-$123,637	03/24/18	FG11	9.0	D	9.3	$1,000,000	8	LaDerby-G2	98.1%	56	81	98	90	-5	-9	+			
Jockey: Ortiz Irad Jr (0-0%-0%-0%)	Life:9-1-3-1-$334,237	02/19/18	FG8	8.3	D	3.5	$43,000	2	OC50000n1x	90.1%	89				1	-4	-			
Class Rating: 0.02 Rank: 6	Style: R-5																			
3-SPORTING CHANCE (30-1)	2018 (3): 4-0-0-1-$140,650	05/05/18	CD10	8.0	D	6.8	$300,000	4	PDayMile-G3	25.0%	14				-11	-16	-	5 1/2	5	6
Trainer: Lukas D Wayne (0-0%-0%-0%)	2017 (2): 3-2-1-0-$269,140	04/07/18	KEE10	9.0	D	7.9	$1,000,000	8	BlueGras-G2	67.3%	42	91	93	77	-4	-10	-			
Jockey: Contreras Luis (0-0%-0%-0%)	Life:7-2-1-1-$409,790	03/17/18	OP10	8.5	D	4.7	$900,000	8	Rebel-G2	32.1%	63				-4	-11	-			
Class Rating: 0.03 Rank: 4	Style: M/F-4						*Recent LSRs do not meet race avg.*													
4-DIAMOND KING (30-1)	2018 (3): 2-1-0-1-$94,800	04/21/18	LRL10	9.0	D	*2.3	$125,000	3	FdrcoTesoB125k	100.0%	28				-2	-1	+	5 1/2	7	7
Trainer: Servis John C (2-0%-0%-100%)	2017 (2): 4-3-0-0-$127,800	02/03/18	GP4	7.0	D	5.4	$200,000	4	Swale-G3	55.5%	105	89	91	93	0	-14	-			
Jockey: Castellano J J (0-0%-0%-0%)	Life:6-4-0-1-$222,600	12/30/17	LRL4	7.0	D	*1.3	$100,000	3	HeftB100k	100.0%	140				-10	-13	-			
Class Rating: 0.02 Rank: 7	Style: F-2						*Best last-race LSR. Ran without front leg wraps last time.*													
5-GOOD MAGIC (3-1)	2018 (3): 3-1-1-1-$1,038,400	05/05/18	CD12	10.0	D	9.7	$2,000,000	12	KyDerby-G1	84.1%	14				-13	-10	+	2	6	4
Trainer: Brown Chad C (0-0%-0%-0%)	2017 (2): 3-1-2-0-$1,216,600	04/07/18	KEE10	9.0	D	*1.6	$1,000,000	8	BlueGras-G2	100.0%	42	96	96	97	-2	-7	+			
Jockey: Ortiz Jose L (0-0%-0%-0%)	Life:6-2-3-1-$2,255,000	03/03/18	GP14	8.5	D	*0.7	$400,000	5	FntnOYth-G2	55.9%	77				-1	-8	-			
Class Rating: 0.19 Rank: 2	Style: M/R-2																			
6-TENFOLD (20-1)	2018 (3): 3-2-0-0-$124,200	04/14/18	OP11	9.0	D	9.6	$1,000,000	8	ArkDerby-G1	44.7%	35				0	-3	-	5 1/2	4	2
Trainer: Asmussen Steven M (0-0%-0%-0%)	2017 (2): 0-0-0-0-$00	03/18/18	OP8	8.5	D	*0.6	$82,000	2	OC75000n1x	100.0%	62	90	91	92	-5	-5	+			
Jockey: Santana Ricardo Jr (0-0%-0%-0%)	Life:3-2-0-0-$124,200	02/09/18	OP7	8.5	D	5.6	$75,000	2	MdSpWt	100.0%	99				-7	-4	-			
Class Rating: 0.01 Rank: 8	Style: M/F-5																			
7-JUSTIFY (1-2)	2018 (3): 4-4-0-0-$2,098,000	05/05/18	CD12	10.0	D	*2.9	$2,000,000	12	KyDerby-G1	100.0%	14				-15	-8	+	1+	1	3
Trainer: Baffert Bob (0-0%-0%-0%)	2017 (2): 0-0-0-0-$00	04/07/18	SA9	9.0	D	*0.9	$1,000,000	8	SADerby-G1	100.0%	42	102	112	100	-4	-2	+			
Jockey: Smith M E (0-0%-0%-0%)	Life:4-4-0-0-$2,098,000	03/11/18	SA5	8.0	D	*0.1	$56,000	2	OC75000n1x	100.0%	69				-12	-11	+			
Class Rating: 0.21 Rank: 1	Style: F-12						*Best last-race speed figure. Best last-race ESR.*													
8-BRAVAZO (20-1)	2018 (3): 4-2-0-0-$295,600	05/05/18	CD12	10.0	D	66.9	$2,000,000	12	KyDerby-G1	23.8%	14				-6	-16	-	5 1/2	2	8
Trainer: Lukas D Wayne (0-0%-0%-0%)	2017 (2): 5-1-1-1-$140,928	03/24/18	FG11	9.0	D	2.9	$1,000,000	8	LaDerby-G2	0.7%	56	96	74	91	-8	-30	-			
Jockey: Saez Luis (0-0%-0%-0%)	Life:9-3-1-1-$436,528	02/17/18	FG9	8.5	D	21.0	$400,000	5	RisenStr-G2	100.0%	91				-2	0	+			
Class Rating: 0.03 Rank: 5	Style: M/F-6																			