# RDSS 2.1 Illustrated Glossary

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#### Card Summary Screen

ce Dates Future	Apr 12, 2017 Summary	Totebrowser											
Today (04/12) MVR OP		/ Changes	Ass	emble All R	aces	Cle	ear Cache	Results	Profit L	ine	Mutuel Prices	Re-assemble a race	with right-click
Yesterday (04/11) Past	Track #	Dist Surf	Туре	Purse C	lm Amt	Age	Field FTS	RC	Post Time	Wager Ty	pes Cond	itions	9 Race
	49 OP 1	8.0	CL	24,500	15,000	3+	13	88	1:30 pm	.10 Super	CL 1	5 N2-L	
	OP 2	6.0	SA	32,000	15,000	4+	9	103	1:57 pm	.10 Super	SA <	15 N2-L4M C15	
	OP 3	6.0	MC	24,000	15,000	3+F	11	65	2:25 pm	.10 Super	MC 1	5	
	OP 4	8.0	CL	30,000	30,000	3+F	9	86	2:52 pm	.10 Super	CL 30	0 N1-4M	
	OP 5	8.5	MC	23,000	12,500	3+F	12	61	3:19 pm	.10 Super	MC 1	2.5	
	OP 6	6.0	CL	34,000	40,000	3F	9	81	3:46 pm	.10 Super	CL 40	0 N2-L	
	OP 7	6.0	oc	83,000	25,000	3+	13	91	4:14 pm	.10 Super	OC s	25 N1-4M	
	OP 8	8.0	oc	83,000	50,000	3+F	9	96	4:42 pm	.10 Super	OC 5	0 N3-L	
	OP 9	8.5	MS	80,000		3+F	11	76	5:10 pm	.10 Super	MS 8	0	

This is the "threshold" screen after cards have been selected, downloaded and converted for use by RDSS using the Data Centre screen. In addition to the functionality provided by the buttons across the top ribbon described below, basic information is displayed about each race's distance, surface, type, purse, claiming price (if applicable), age, field size, number of first time starters (if any), race class, post time, wager types available, and conditions in an abbreviated format.

Scratches/Changes - provides a link to the Equibase "Late Changes" website for the track.

Assemble All Races - performs necessary preparatory steps for program use for each race on the card.

<u>Clear Cache</u> - reverses the "Assemble All Races" process.

<u>Results</u> - retrieves results charts for completed races.

<u>Profit Line</u> - connects RDSS 2.1 to TwinSpires' "ProfitLine" tool; requires a TwinSpires account and login. (When activated, a small red dot will appear to the left of each race on the Summary screen.)



ProfitLine projects the top five finishers and is based on factors such as BRIS Speed, BRIS Class, BRIS Pace, form, weight, distance, pedigree, trainer, jockey, and recency. It is used by RDSS 2.1 as a component of the "Rx3" computation, described below on the Rx Screen.

<u>Mutuel Prices</u> – provides a link to the TwinSpires' "Wager Now" screen, which also requires a TwinSpires account and login.

The Summary screen provides additional functionality with column sorting and surface/distance changes. Activate column sorting by checking the box under the Summary tab.

P 1 Apr 12	2, 2017 Totebrowser	8f	Dirt Cl	15000	3+ Pi	irse: \$24	4,500 RC:
Scratches		Ass	emble All R	laces	Cle	ar Cache	Res
Track	Dist Surf	Туре	Purse C	lm Amt	Age	Field F	TS RC
OP 1	8.0	CL	24,500	15,000	3+	13	88
OP 2	6.0	SA	32,000	15,000	4+	9	103
OP 3	6.0	MC	24,000	15,000	3+F	11	65
OP 4	8.0	CL	30,000	30,000	3+F	9	86
OP 5	8.5	MC	23,000	12,500	3+F	12	61
OP 6	6.0	CL	34,000	40,000	3F	9	81
OP 7	6.0	oc	83,000	25,000	3+	13	91
OP 8	8.0	oc	83,000	50,000	3+F	9	96
OP 9	8.5	MS	80,000		3+F	11	76

OP	1 Apr 12, 2017 8f Summary Totebrowser	Dirt Cl	15000 3	3+ Pu	ırse: \$2	4,500	RC:
/	Scratches / Changes Ass	emble All R	laces	Cle	ar Cache		Re
7	Frack # Dist Surf Type	Purse C	lm Amt	Age	Field I	FTS	RÇ
Ì↓	Sort Smallest to Largest	24,500	15,000	3+	13		88
1	Sort Largest to Smallest	32,000	15,000	4+	9		103
14		24,000	15,000	3+F	11		65
K	Clear Filter From "Distance"	30,000	30,000	3+F	9		86
K	Clear Filter From "Distance"	30,000 23,000	30,000 12,500	3+F 3+F	9 12		61
K	Clear Filter From "Distance"			1.1.1	100		1.202
K		23,000	12,500	3+F	12		61
K		23,000 34,000	12,500 40,000	3+F 3F	12 9		61 81

To change the surface and distance of a race, e.g. when a race is washed off the turf, right-click on the race's distance. This changes values throughout the RDSS screens.

OP 8 Apr 1		8f	Dirt O	C50000	3+F	Purse.	\$83
Summary Summary Scratches	/ Changes	Ass	emble All F	Races	Cle	ear Cach	ne
Track #	Dist Surf	Туре	Purse C	lm Amt	Age	Field	FTS
OP 1	8.0	CL	24,500	15,000	3+	13	
OP 2	6.0	SA	32,000	15,000	4+	9	
OP 3	6.0	MC	24,000	15,000	3+F	11	
OP 4	8.0	CL	30,000	30,000	3+F	9	
OP 5	8.5	MC	23,000	12,500	3+F	12	
OP 6	Pight click	to chongo	Distance or S	Curtaca )0	ЗF	9	
OP 7	Right-Click	to change	Distance or :	ounace	3+	13	
OP 8	8.0	OC	83,000	50,000	3+F	9	
OP 9	8.5	MS	80,000		3+F	11	

Scratches	/ Changes	Ass	emble All Races	Clear Cache
Track #	Dist S	urf Type	Purse Clm Amt	Age_Field FTS
OP 1	8.0	CL	24,500 15,000	3+ 13
OP 2 OP 3 OP 4 OP 5 OP 6 OP 7 OP 8 OP 9	6.0 8.0 8.5	hange Surfa OP 1 Distance 8.0 -	Surface Main Track	4+ 9 3+F 11 3+F 9 3+F 12 3F 9 3+ 13 3+F 9 3+F 11
or s	0.0		Update	

Er	ntries Analysis Tander	ms To	te NewPa	ace F	Paceline T	ools Car	d Si	Immmar	у			
1	2 3 4	5	6 7	8	9	10 1	11	12				
Pgi c #	m Name	M/L	/in Odds Live	Tote	Xray 2	Win	%	-	Place	<mark>ols</mark> %	Show %	PW%
1	Big Headed Jerry	8	94	5.0	1.7	257	8	10.0	173		127	67.3
2	Trust Your Gut	6	9 4	5.2	1.7	248	8	10.0	159		125	64.1
3	Rapid Red	3	1.2 1	1.5	0.0	1,104	35	45.5	375		237	34.0
4	Rarin To Go	6	17	0.0	0.6	142	4	5.6	53		23	37.3
5	Justin Zee	12	8 3	5.8	0.3	273	9	11.1	93		141	34.1
6	Paschal	8	5 2	2.9	1.0	437	14	16.7	206		119	47.1
7	Rippin Ranger	4.5	12 5	5.2	1.5	201	6	7.7	116		97	57.7
8	Benediction	15	40	7.0	0.8	63	2	2.4	25		57	39.7
9	Dothebestyoucan	20	17	3.8	1.5	144	5	5.6	83		49	57.6
10	Plentiful	10	20	2.0	1.4	124	4	4.8	65		29	52.4
11 12 13	Don't Blame Dexter Amaze Boston Marathoner	15	13	5.4	1.7	182	6	7.1	116		98	<mark>63.7</mark>

#### Totebrowser Screen

The primary purpose of this screen is to display "Live" win odds after Brisnet's SuperTote has been started from the RDSS Desktop. SuperTote requires a Brisnet account and login. The following information is also presented.

<u>Sc</u> - a checked box indicates the horse has been scratched.

<u>Pgm #</u> - horse's program or saddle cloth number. If colored, the horse is one of the top 3 in Class Rating (described on the "Entries" screen).

Name - horse's name.

Win Odds

- M/L Morning Line odds.
- Live Live "tote" odds, if available.

<u>Tote Xray</u>

- 1 a measure of relationships among the Win, Place and Show pools, expressed in the "Perceptor" format, i.e. percentage deviation from the best with the best expressed as "0.0".
- 2 the ratio of Place pool money bet on the horse to Win pool money bet on the horse, expressed in Perceptor format.

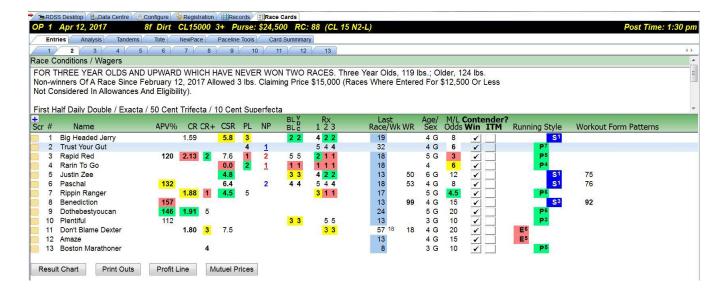
#### WPS Pools

- Win % amount bet on the horse in the Win pool and its percentage of the total pool. The Win pool total is at the foot of the column.
- Place % amount bet on the horse in the Place pool with the Place pool total at the foot of the column. The small superscript number to the right is the ratio of the total Place pool to the total Win pool.

• Show % - amount bet on the horse in the Show pool with the Show pool total at the foot of the column. The small superscript number to the right is the ratio of the total Show pool to the total Win pool.

<u>PW%</u> - "Place to Win" Percentage, a ratio of the money in the Place pool bet on the horse divided by the money in the Win pool bet on the horse. (It is derived from the same computation as Tote Xray 2 but expressed as a percentage.)

#### **Entries Screen**



This screen displays basic information such as race conditions, names of horses, saddle-cloth/program numbers, scratches, age, sex, and morning line odds. The following are additional data columns.

<u>APV%</u> - Average Purse Value. The percentage of the horse's average competitive (i.e. in the money "IM") purse value as compared to today's purse value. Values over 100% mean the horse has raced competitively for purses higher than today's while under 100% means the purses were less. It is a measure of "Class."

<u>CR</u> - Class Rating. A rating comprised of Average Purse Value, Earnings per Start and IM percentage of the horse's six most recent starts. It is an overall measure of the horse's competitiveness and consistency, relative to today's class level as expressed by purse value.

Note: CR is based on earnings and consistency and not on speed or velocity or deceleration. Consequently, when a horse ranks well on both class and the non-correlated variables of velocity/energy, you have confirmation from two different and unrelated sources of the horse's potential, assuming good form. http://paceandcap.com/forums/showthread.php?t=10405&page=2

<u>CR+</u> - Class Rating Plus. An enhanced measure of class that uses the older CR with a weighted ranking of the horse's final odds from its last four races. Final odds are often an excellent measure of class.

<u>CSR</u> - Composite Speed Rating. A weighting of the RDSS Adjusted Speed Rating from the last 4 usable lines, regardless of distance, surface, race conditions or finish. The weighting is as follows: 100% of the last line SR + 62% of the average of the last 2 lines SR + 38% of the average of the last 3 lines SR + 24% of the average of the last 4 lines SR. Thus the last line SR has a major weighting in the CSR, with the weighting declining for older lines.

<u>PL</u> - The ProfitLine ranking, described previously on the Card Summary Screen.

<u>NP</u> - Early/Late Plus. Indicates the top two Early and top two Late horses, using a refined pace method.

<u>BL/BL</u> - Bottom Line Betting Line rank. BL/BL will be described in detail on the BL/BL screen below.

<u>VDC</u> - Velocity relative to Deceleration ranking. VDC indicates how well a horse did at overcoming the pace of the race. VDC will be described on the Segments screen.

<u>Rx1, Rx2, Rx3</u> - Rx is a composite line score factor comprised of weighted input from VDC, CSR, CR+, EL+, and an additional component, as follows:

- Rx1 uses Morning Line rank
- Rx2 uses additional weighting for CR+

Rx3 - uses ProfitLine (PL) from Twinspires

http://paceandcap.com/forums/showthread.php?t=10574

Last Race/Wk - Days since last race and since last work.

<u>WR</u> -Work Rank. A computation based on the average percentile of a horse's workout rank for all workouts in a day (when at least 5 workouts recorded that day), plus furlongs worked and raced - over the past 30 days. It's a measure of the horse's fitness.

<u>Contender? Win / ITM</u> - Indicates whether the handicapper believes the horse is a contender to Win, to finish in the money, or is a non-contender.

<u>Running Style</u> – Indicates the 'visual' Sartin/Bradshaw/Brohamer running styles and Quirin Speed Points. While the definitions of running styles may differ with the individual, the following is from "Jim Bradshaw's 5 Step Approach to learning the Matchup" in the Hat Check forum.

When handicapping a horse race, determine the running styles of each individual horse. These styles help to answer the important question, how is this race going to run? A race is a 'herd on the move' and all horses are characterized by one of the following four (4) designations; Early Horse, Early Presser, Presser and Sustained Presser.

There are three main running styles that figure in a horse race. In most instances these styles are determined by the position where the horse likes to run, rather than how fast the horse runs.

1. EARLY - Is a runner whose very best races are on or near the lead, or within a length while attempting to get the lead. A winning effort is accomplished only in this manner, and is usually a wire to wire effort.

2. PRESSER - Is a tactical runner that lays just off the pace, comes on in the second and third fractions. These horses may force the early horses to exert their energy to maintain the lead. These horse are usually up close to the early runners, but are not effected by the early pace.

A. Early Presser is the horse that takes dead aim at the leader but prefers someone else lead. They sit next to the leader and hope that at some point in the race the front runner tires so that they may go by. These horses do not lead and if they get the lead, will not win. Early pressers may put pressure on the early horse and, most likely, will never go by. In a herd environment, these horses are observed positioning themselves as close to the early horse or the 'boss' but never brave enough to lead or become 'boss'.

B. Sustained Pressers are the most exciting of the running styles. The Sustained Presser likes to stay way behind and hopes that there is a fast pace and all the Early, Early Pressers and Pressers have expended all their energy and tire so that their stretch run gets them to the front in time. In a herd, these horses will be observed lagging behind and are fair game to whatever is chasing the herd. Sustained Pressers are the least reliable of the running styles and rarely win races.

3. LATE (Sustained) - Is a runner that comes on late in the race, often after the early runners, and pressers have exerted all their energy. They are habitually in the back of the pack, and win by catching the leaders in the third fraction (3F.)

Workout Form Patterns - Abbreviations to document how the horse has been working, as follows:

- FPD Furlongs Per Day. When there are 2 or more workouts since the last race, and within the past 30 days: count the furlongs worked including the distance of today's race and divide by days since the last race. 1 furlong per day = FPD, less is -FPD, more is +FPD. We're trying to get a coarse idea of how much public work the horse has been doing to return to racing. You can only put so much value in this info this does not tell us how much private work the horse has done, the frequency, the speed, the pressure during (e.g. working in company, working inside/outside other horses, etc), the distance, etc. Consult other Workout Patterns for some of these.
- 5f / 6f 5 or 6 Furlong Workout. The last workout within 9 days of today's race was either 5 or 6 furlongs, an important endurance distance associated with at least a certain degree of fitness, especially if combined with a good Speed Rating and coming at the end of an evenly spaced series of works (see HWL group). If the last work was within 6 days, will be indicated with a plus, e.g. +5f or +6f.
- SRW a Short Recent Work between 2f 4f within 3 to 5 days of today's race
- SW Super Workout. Depending on distance and recency, a designation for the LAST workout within the past 14 days, run faster than a certain time for each distance.
- GW Gate Workout. Within the past 8 days, a workout from the Gate. Extra credit for more recent gate workouts (\* ! + modifiers)
- HWL1 Heavy Workload 1. 3 or more workouts within the last 21 days. +HWL1 for 4 works in 20 days or 3 works in 16 days. -HWL1 for 3 works in 21 days
- SAR Heavy Workload 2. Between 4 and 7 workouts since the last race at \*regularly\* spaced intervals. Extra credit for more workouts.
- SCW Special Condition Workouts. Comparing workout immediately prior to the last race within 60 days to workout immediately following that last race the latter workout is faster and may indicate that the last race did not adversely affect the horse. Or, comparing workouts immediately preceding and following the last 2 races with an out of the money finish, the later workout should be faster, perhaps indicating that the previous 2 races also did not adversely affect the horse's condition and it may be ready to offer at least as good an effort today.
- PIW Progressively Improving Workouts. Comparing the past 3 workouts within 75 days (preferably shorter), each next workout should be run at increasing average speed.
- TCW Turf Course Work. For a horse's first Turf race, its last workout is on Turf.

Adjunct to Workout Patterns themselves are the Workout Rank and the Workout Speed Rating.

- WR Work Rank. A computation based on the average percentile of a horse's workout rank for all workouts in a day (when at least 5 workouts recorded that day), plus furlongs worked and raced over the past 30 days. A measure of its fitness.
- SR Speed Rating. A rating of workout time, based on a parallel time chart equating times for different workout distances. Speed Ratings of 92+ may indicate the horse is extremely fit and sharp, especially if the workout distance is 5f or longer.

http://paceandcap.com/forums/showpost.php?p=97044&postcount=13

#### **Tandems Screen**

2	RDSS De	sktop	entre	Configur	e 🔄	egistrat	ion	Records	Ra	ace Cards														
P	1 Ap	r 12, 2017		8f Di	rt CL	.1500	0 3+	Purse	: \$24	,500 RC: 88 (CL	15 N2	-L)										Po	st Time: 1.	:30 p
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	1	2 3	4	5 6	7	1	8	9	10	11 12 13														4
	All Tande																							
II T	andems	Listing																						
	Days	Race Id		Dist	1st	2nd	3rd	Fin	Age	Conditions	Br	1st	2nd	Str	Fin	Fld	Odds		Maste TV RC	r - Adj. SR	PoH TE	PoR TE	Percept Total	
1	13	30Mar17 30	DP f	1 8.5	:236	:477	1:13	1:457	3+	CL 15/25 N2-L									7 81	1		159.5		
							1	5. Justir 0. Plen	tiful		1		3 2.5 5 5.1 1 .5	23 43.2 33.1	22 33 59	10 10 10	10.9 11.4 9.3	79 78 68		73 6 72 7 66 13	159.5			
							8	2. Ama: 3. Bene	diction			9 9.7	1. 2. Internet	10 <sup>15</sup>	9 18	10	9.3 4.1	54	_	57 22	155.2			
2	18	25Mar17 20	DP t	t 6.0	:21 <sup>9</sup>	:456		1:104 8. Rapio 6. Pasc	Red	CL 25/27 N2-L		7 4.8 9 11	6 3.2 8 5.2	<mark>34.5</mark> 75.8	<mark>3 3.8</mark> 4 4.8	9 9	8.5 16.3	88 86	5 94	72 7	158.7 159.3	159.2		
3	31	12Mar17 30	DP f	t 8.5	:244	:493	1:144	1:449	3+	CL 15/25 N2-L									-4 83	3		163.3		
							8	7. Rippi 8. Bene 5. Justir	diction		<b>1</b> 4 5	2.hd 3 3.1 4 4.6	2.hd 3 2.1 4 3.1	2.hd 3.3.1 4.6.1	21.5 35 48.5	8 8 8	<u>1.7</u> 9.2 4.6	85 79 74		76 3	162.8 162.0 161.1			
4	53	18Feb17 50	DP f	t 8.5	:244	:493	1:144	1:451	3+	CL 25/27 N2-L									-2 88	3		163.6		
								6. Pasc 8. Bene		n		8 4.6 5 2.6	8 4.7 5 2.6	57.6 78.6	48.5 814	9 9	8.0 10.1	77 69		73 6 68 11	<mark>161.4</mark> 159.3			
5	73	29Jan17 30	OP f	t 6.0	:225	:463		1:117 6. Pasc		CL c15/25 N2-L	6	6 <sup>10</sup>	5 7.5	54.1	4 1.8	6	3.0	88	13 89		159.1	158.2		
							6	I. Big H		d Jerry		5 8.5	6 7.6	67.1	67	6	3.6	76			157.2			
6	88	14Jan17 10	DP f	t 6.0	:221	:458				CL 15/25 N2-L									-3 91			158.9		
								I. Big H 2. Trust		d Jerry Gut	8	9 7.3 <u>1_hd</u>	9 7.3 <u>1_hd</u>	77.2 32.6	38.8 8 11	10 10	21.2 4.6	70 64		66 13 63 16				

This screen displays prior races where two or more of today's entrants have competed. Tandems are an element of Jim Bradshaw's "Match Up" approach. All data is assembled from other screens, primarily the Analysis/Original with one column each from the Analysis/Velocity-PoH and Analysis/Velocity-PoR, and will be described on those screens.

#### Field Screens with Selected Pacelines

#### Analysis/Original Screen

P 1 A	pr 12, 2	017		8f E	oirt C	L1500	0 3+	Purse	: \$24	,500 RC: 88 (	(CL 15	N2	?-L)												P	ost Til	me: 1:	:30 p
Entries	Analy	sis	andems	s Tot	le Ne	ewPace	Pace	eline Tools	Y	Card Summmary																		
1	2	3		5	6	7	8	9 1	10	11 12 1	13																	4
Original	Adjuste	d Ve	locity-Pol	H Vel	ocity-PoR	Ener	gy P	MTR / TPR	9	egments Primary	BL/B	ľ	Rx															
riginal Da	ata																											
Last	Pgm #	Line #		Dist	1st	2nd	1:129 3rd	Fin	X Age	Conditions	RS	Br	1st	2nd	Str	Fin	Fld	Odds	Trac SR [			BL/BL	Pgm #		e MTF Live	<mark>⊃:39</mark> % Tx		
1 19	1 Big H	1 C	P f	t 8.5	:237	:475	1:136	1:47	4G	CL 7.5/23 N2-L	SP1	5	4 7.6	3 1.1	13	16	10	14.3	85	14	82	17.02	1	8	<b>6</b> 1			-
2 32	2 Trust	1 C	P f	t 6.0	:227	:465	:59	1:115	4G	CL 15/25 N2-L	P7	2	62.3	<u>4 nk</u>	41.1	4 2.8	11	3.5	67	-4	89		2	6	9	8 4.3		
3 18	3 Rapid	1 C	P f	t 6.0	:219	:456	:58	1:104	5G	CL 25/27 N2-L	P <sup>5</sup>	6	7 4.8	6 3.2	3 4.5	3 3.8	9	8.5	88	5	94		3	3	1.5 3	3 <b>0.9</b>		
4 18	4 Rarin	1 C	P f	t 8.5	:234	:476	1:12 <sup>9</sup>	1:45 4	4	CL c7.5/24	EP4	4	1 1.5	12	19	1 14	12	5.3	91	5	86	20.01	4	6	17	4 0.0		
5 13	5 Justin	1 C	P f	t 8.5	:236	:477	1:13	1:457	6G	CL 15/25 N2-L	SP1	6	4 4.1	3 2.5		2 2	10	10.9	79	7	81		5	12	8	8 4.9		
6 18	6 Pasch	a 2 C	P f	t 8.5	:244	:493	1:144	1:451	4G	CL 25/27 N2-L	S1	8	8 4.6	8 4.7	57.6	4 8.5	9	8.0	77	-2	88	16.5 <sup>3</sup>	6	8	5 1	3 2.5		
7 17	7 Rippir	1 C	P f	t 6.0	:224	:458	:58	1:104	5G	CL 15/25 N2-L	P6	4	4 3.1	4 1.6	3 4.1	3 4.3	11	5.0	83	1	85		7	4.5	12	<sup>6</sup> 4.9		
8 13	8 Bened	i 1 C	P f	t 8.5	:236	:477	1:13	1:457	4G	CL 15/25 N2-L	P <sup>3</sup>	8	99.7	10 11	10 15	9 18	10	4.1	54	7	81		8	15	34	2 5.9		
9 24	9 Dothe	b 1 C	P f	t 8.0	:249	:487	1:131	1:392	5G	SA sN2-X C30	EP <sup>6</sup>	3	2 1.5	3 2.5	42.6	5 4.3	8	5.4	73	-1	82		9	20	18	4 3.2		
10 13	10 Plenti	1 C	P f	t 8.5	:236	:477	1:13	1:457	3G	CL 15/25 N2-L	P <sup>3</sup>	1	56.6	5 5.1	43.2	33	10	11.4	78	7	81	14.54	10	10	19	4 2.3		
11 13	12 Amaze	1 C	P f	t 8.5	:236	:477	1:13	1:457	4G	CL 15/25 N2-L	E 5	3	1.5	1.5	3 3.1	59	10	9.3	68	7	81		12	15	14	5 4.6		

The "field" screens provide information about all horses in the race and their selected pacelines.

In addition to traditional past performance information, the Analysis/Original screen displays TrackMaster supplied data, BL/BL values and if enabled, live tote information. The fractional and final times are unadjusted.

<u>Last</u> - Days since last race and in superscript, days since last work. The same information appears on the 'Entries' screen as 'Last Race/Wk.'

Pam # - Horse's program or saddle-cloth number, followed by horse's name.

<u>Line #</u> - The paceline (or running line or race) selected for evaluation. Of the following 17 columns, 16 are taken directly from the horse's Equibase past performances for the selected paceline. 'RS' designates the horse's "Running Style" and in superscript, the horse's Quirin Speed Points, which also appear on the 'Entries' screen.

#### TrackMaster Supplied Ratings

1. <u>SR</u> - TrackMaster's Speed Rating, from which Inter-Track Variants are extracted, used to adjust the running times in all Sartin download programs. It's the horse's final time in the selected paceline race adjusted by:

a) Daily Track Variant (how fast/slow that day's surface was);

b) Inter Track variant (how fast or slow each surface is relative to a universal norm); and c) horse's speed rating (compared to the 'par' for that track/distance/surface).

- <u>DTV</u> Daily Track Variant of the selected paceline race. (RDSS has a feature available on the 'Config' screen to 'smooth out the extremes' for very slow and very fast races, e.g. + - 15, so that the final times aren't adjusted unreasonably.)
- <u>RC</u> Race Class, a composite of the most recent *final time* Speed Ratings of all the horses in the selected paceline race. (It's included for reasons of historical continuity as it was in some Sartin programs, but Dr. Sartin did not use it and Ted recommends that it be ignored <u>except</u> that is useful

for rating Foreign Shippers, as this TimeForm International Rating can be used to compare foreign races' relative Class Levels with all other horses, typically at the Breeders' Cup!)

<u>BL/BL</u> - Bottom Line/Betting Line. Bottom Line refers to a Line 'Score' that is computed by adding the seven Primary factors with their specific weightings, later displayed on the "Primary" screen. The higher the score, the better. Betting Line refers to the 'Odds' line generated by RDSS from the Line Score, which is shown on the Analysis/BL/BL screen, but not on this screen.

#### <u>Tote</u>

- 1. MTP Minutes to Post
- 2. M/L Morning Line Odds on the horse.
- 3. Live Live tote odds on the horse.
- 4. % Horse's odds of winning expressed as a percentage.
- 5. Tx Tote Xray. Measures relationships between the WPS pools. If Tx values and ranks align with win odds, there's no extra info provided by Tx. If a horse's Tx diverges from its BL win odds, the horse may be live in the opinion of the crowd yet somewhat hidden in the win odds.

#### Quote from Ted:

"One of the original uses of what became TX was to dutch or hedge between the top 3 TX ranks. If Win Odds are low (e.g. < 2-1) and match the TX rank, hedge a portion of the bet so that you break even or lose only a little (like insurance) if this favourite actually wins, and dutch the rest of your Win bet unit to make about the same desired profit on the next 2 ranked TX when the favourite loses. You can certainly do this using Win Odds only, but the idea was that the TX gives some extra info -an **Xray beneath** simple visible-to-the-public Win Odds alone. Since there is no handicapping involved, you can do it in bulk, and on quarter horses, standard breds, Arabians, UK, Australian, Far East racing...

For the record, I don't know whether those who use TX this way make money long term. When I use TX, it is often for races with young horses or First Timers, or foreigners - i.e. where my normal analysis fails. Or, where there is lots of chaos and the favourite is perhaps 3-1 or higher. If my handicapping analysis likes a horse, and the TX likes a horse and the Win Odds are generous - time to pay attention. <u>It's another tool to be used selectively, where it has value.</u>"

http://paceandcap.com/forums/showthread.php?t=6257

#### Additional Functionality

On most of the field Analysis screens, the values in certain columns can be sorted. To determine which columns, move the mouse pointer over the column header and if the pointer changes to a Select Link or "hand", that column is sortable.



For example, on the Original screen, the following columns can be sorted: Pgm #, 1<sup>st</sup> Call Time, 2<sup>nd</sup> Call Time, Final Time, RS, and M/L Odds. The current "sort" column is identified by a blue underline at the top of the header. These screenshots illustrate sorting on Running Style:

	RS	Br	15		ŖS	Br	1
2-L	SPI	5	4	2-L	<b>E</b> 5	4	1
2-L	P7	2	6	30	EP <sup>6</sup>	3	2
2-L	<b>P</b> 5	6	7		EP4	4	1
	EP4	4	1	?-L	P7	2	6
2-L	SP1	5	4	?-L	<b>P</b> 6	1	2
2-L	<b>S</b> 1	8	8	?-L	<b>P</b> <sup>5</sup>	6	7
2-L	<b>P</b> 6	1	2-	?-L	<b>P</b> 3	1	5
2-L	<b>P</b> 3	4	3	?-L	<b>P</b> 3	4	3
30	EP <sup>6</sup>	3	2	2-L	SP1	5	4
2-L	<b>P</b> <sup>3</sup>	1	5	?-L	SP1	5	4
12-L	<b>E</b> <sup>5</sup>	4	1	?-L	S1	8	8

On the Original, Segments, BL/BL and Rx Analysis screens, a horse with 0.0 ratings at the first 2 calls of the Segments screen (i.e., energetically dominant through the 2nd Call) AND an Early Running Style designation (F, E or EP) is given a special markup to draw attention to a visually Early dominant horse among the energy-adjusted readouts. Space permitting, the markup is a <u>red underline</u> at the first 2 calls AND a right-pointing arrow and underline rank. (For testing in any race, simply find a double 0.0 rating on the Segments screen and if the horse is not designated Early, change its Running Style to F, E, or EP.)

	Original	r	Adjusted	Y-	Velocity-	PoH	Vel	ocity-PoR	Ener	rgy Pl	MTR / TPR	5	egments Primary	BL/E	3L	Rx			
Orig	jinal Da	ata																	
✓	Last	Pgi #	m I	Line #	9		Dist	1st	2nd	3rd	Fin	X Age	Conditions	RS	Br	1st	2nd	Str	Fin
✓ 1	15	1	Initfo	1	Pen	sy	6.0	:225	:457	:582	1:115	6F	CL 12.5/21	EP <sup>4</sup>	3	3 2.5	33	36	2 <sup>3</sup>
✓ 2	426	2	Bagema	3	PRX	ft	5.5	:225	:46 <sup>9</sup>	:596	1:062	4F	SA C25	P1	5	5 4.2	42	<u>1 hd</u>	<u>1_nk</u>
<b>√</b> 3	12	3	Distin	1	PRX	ft	6.0	:229	:472	1:00	1:13 <sup>2</sup>	6F	CL 5/20 N2-6MX	P7	2	32	2.5	1.5	1 2.5
✓ 4	21	4	Hide A	2	PRX	ft	6.0	:233	:481	1:00 <sup>9</sup>	1:141	5F	CL 12.5/33	E7	2	1 <u>hd</u>	1 <u>hd</u>	2.5	2 2.8
✓ 5	26	5	Faithi	3	PRX	ft	8.3	:242	:494	1:16	1:48 <sup>8</sup>	4F	CL c7.5/21 N3-L	EP <sup>0</sup>	5	<u>3 nk</u>	2 <u>hd</u>	2.5	3.9
✓ 6	21	6	Lucky	3	PRX	ft	6.0	:227	:473	1:003	1:13 <sup>9</sup>	4F	CL 12.5/33	-56	1	1 <u>hd</u>	1 <u>hd</u>	1 <u>hd</u>	1 <u>.nk</u>
7	214	7	Seekin	2	PRX	ft	6.0	:222	:458	:59	1:138	6F	CL c7.5/20 N2 6N	E4	)	2 .5	11	13	1 2
8	21	8	Harlan	1	PRX	ft	6.5	1226	.471	1:14	1:208	5F	CL 10/30		5	5 5.1	4 1.2	2 <u>hd</u>	1 1.3
V 9	425	9	Mirkam	3	Pen	ft	5.5	:227	:463	:587	1:05 <sup>2</sup>	5F	OC 25/30 N2-X	P4	1	3 1.5	35	23	3 2.8

	Original	r	Adjusted		Velocity-	PoH	Vel	ocity-PoR	Energy	PMTR/TPR	Segmen	ts Prima	ary BL/BL
Rac	e Segr	nen	ts										
<b>v</b>	Last	Pgr #	n l	Line #	)		Dist	SR	Total Energy #	Compute F1 #	ed Beater SC #	Lengths Fin #	VDC % #
V 1	12	3	Distin	1	PRX	ft	6.0	81	168.1 <sup>3</sup>	6.8 <sup>5</sup>	5.6 <sup>5</sup>	0.0 1	0.0 1
2	42	2	Bagema	3	PRX	ft	5.5	81	168.3 <sup>1</sup>	4.7 <sup>3</sup>	6.4 6	0.0 1	0.2 2
✓ 3	42	9	Mirkam	3	Pen	ft	5.5	80	168.1 <sup>2</sup>	5.6 4	7.6 7	0.3 2	1.0 <sup>3</sup>
<b>V</b> 4	15	1	Initfo	1	Pen	sy	6.0	80	167.54	0.0 0	4.5 2	0.3 3	1.2 2
✓ 5	21	7	<u>Seekin</u>	2	PRX	ft	6.0	79	166.8	0.0 1	0.0 1	3.2 4	6.0 5
✓ 6	21	6	Lucky	3	PRX	ft	6.0	78	166.56	232	54	1.4 5	4.3 5
<b>v</b> 7	21	8	Harlan	1	PRX	ft	6.5	76	165.1 <sup>7</sup>	7.1 7	4.9 <sup>3</sup>	2.6 6	5.5 7
✓ 8	21	4	Hide A	2	PRX	ft	6.0	75	165.1 <sup>8</sup>	6.9 6	8.1 <sup>8</sup>	2.7 7	5.2 6
<b>v</b> 9	26	5	<u>Faithi</u>	3	PRX	ft	8.3	71	162.9 <sup>9</sup>	15.8 9	9.9 <sup>9</sup>	4.7 8	6.2 9

	Origina	7	Adjusted	Y	Velocity-	PoH	Vel	ocity-PoR	2	Ene	rgy		PMTF	R / TP	R		Segr	ments	Prin	nary	В	L/BL	1	Rx										
Bott	om Li	ne/l	Betting L	.ine																														
<b>v</b>	Last	Pgi #	n	Line #	e		Dist	S R	B A L	T D O C T L	;	E P R		T T T	H I D	F	FX	Prim. LS		BL ore	BL Odds	V D C	C S R	N P		T 1 S 5 F3	P	Supp LS		acta L		E/L Diff L E	ESP	RS
<b>v</b> 1	12	3	<u>Distin</u>	1	PRX	ft	6.0	81	8	3 3		5	3 1	4	1	2	3	19 1	19	9.3	2	1	1	2	1	3 1	3	1	3	3	3	5.0	Ρ	P7
<b>V</b> 2	15	1	Initfo	1	Pen	sy	6.0	80	9	46		2	43	2	1	3	6	21 2	18	3.0	2.5	2	2	1	6	4 3	3 4	4	6	4	4	8.5	EP	EP4
✓ 3	426	2	Bagem	<mark>a</mark> 3	PRX	ft	5.5	81	6	1 2		6	2 1	5	2	4	2	22 <sup>3</sup>	16	<b>6.3</b>	3	2	7		1	2 1	2	2	1	2	2	2.0	SP	<b>P</b> 1
<b>V</b> 4	425	9	Mirkam	3	Pen	ft	5.5	80	6	2 1		0	1 2	8	3	7	1	30 4	13	3.3	4	3	3	1	2	1 2	2 1	3	2	1	1	<u>1.7</u>	S	P4
√ 5	214	7	Seekin	2	PRX	ft	6.0	79	10	5 9	C	1	9 4	1	8	1	7	31 5	12	2.5	4.5	5	5	2	8	94	17	6	5	7	8	<u>23.5</u>	Ε	E4
✓ 6	21	6	Lucky	3	PRX	ft	6.0	78	12	6 7	T	4	65	6	6	5	4	<b>36</b> 6	6	5.0	9	5	8		4	6 5	5 5	5	4	5	5	9.0	EP	E6
7	21	8	Harlan	1	PRX	ft	6.5	76	15	78		3	86	3	5	6	8	39 7	6	5.5	10	7	4		7	8 6	8 8	8	8	8	7	12.1	Ε	P <sup>2</sup>
✓ 8	21	4	Hide A	2	PRX	ft	6.0	75	12	84	1	7	57	7	7	8	5	46 8	2	2.0	20	6	6		3	57	6	7	7	6	5	4.3	Р	E7
<b>v</b> 9	26	5	<u>Faithi</u>	3	PRX	ft	8.3	71	12	95		9	78	4	4	9	9	<b>50</b> 9	1	1.5	20	9	6		5	78	3 9	9	9	9	6	2.9	Ρ	EP <sup>0</sup>

	Origina		Adjusted		Velocity-	PoH	Vel	ocity-PoR		Energy	PI	MTR/	TPR	r	Seg	ments		Prima	ary 🕹	E	BL/BL	$\sim$	Rx							
Rx	Line S	cor	e/Betting	Lir	1e																									
<b>V</b>	Last	Pgi #		ine #	e		Dist	S R	T E	BL BL	Ď	C F S L R	C R +	E L +	1	Rx 2			P F 3	T S F3	T S	T Su P L	pp. .s T		oR TSF3+	L P R	Late	/Early	E P R	RS
<b>V</b> 1	12	3	Distin	1	PRX	ft	6.0	81	3	19.3	1	1 1	4	2	11	11	20	5.3	1	3	1	3 1	-	4 <mark>3</mark>	3	3		5.0	5	P7
V 2	15	1	Initfo	1	Pen	sy	6.0	80	4	18.0	2	2 3	3	1	13	10	18	5.9	I_	4	3	4 4		24	4	4		8.5	2	EP <sup>4</sup>
<b>V</b> 3	425	9	<u>Mirkam</u>	3	Pen	ft	5.5	80	2	13.3	3	3		1	8	8	14	7.7	2	1	2	1 3	;	1 1	1	1	1.7			P 4
V 4	21	6	Lucky	3	PRX	ft	6.0	78	_	6.0	5		1		4	8	14	7.7	4		5	55	5   -	5	_	[ -		9.0	4	E 6
V .	426	2	Bagema	3	PRX	ft	5.5	81	1	<b>16.3</b>	2	4	1 3		5	7	13	8.4	1	2	1	2 2		33	2	2	2.0			P 1
V 6	26	5	Faithi	3	PRX	ft	8.3	71		1.5			2		4	7	13	8.4	5									2.9		EF 2
7	214	7	Seekin	2	PRX	ft	6.0	79	5	12.5	5	5 2	2 5	2	7	4	7				4			5				23.5	<u>1</u>	E4
۶ 🗸	21	8	Harlan	1	PRX	ft	6.5	76		5.5		4											Г					12.1	3	P/
V 5	21	4	Hide A	2	PRX	ft	6.0	75		2.0		5	5		2				3	5				2	5	5		4.3		E7
										-							100	%					-			-				

## Analysis/Adjusted Screen

OP	1 /	apr	12, 201	1			8f Di	n CL	15000	3+ Pur	se: \$24	,500 R	C: 88 (	CL 15 /	VZ-L)					
	Entries		Analysis	K	Tand	ems	Tote	Nev	Pace	Paceline To	iols C	ard Summr	nary							
	1	2	3	V	4	5	V e	7	8	9	10	11	12 1	3						
-	Origina	2	Adjusted	7	Velocity	-PoH	Velo	city-PoR	Energy	PMTR/T	PRS	egments	Primary	BL/BL	Rx	1				
			(Distand	:е,	DTV, I	TV)														
2	Last	Pgr #	m L	ine #	•		Dist	1st	2nd	Final	1st	- Beaten 2nd	Lengths Str	Final	Adj SR		Mast DTV	Net = SR	RC	Conditions
1	19	1	Big He	1	OP	ft	8.5	:465	1:121	1:383	7.6	1.1	0	0	75	85	14	71	82	CL 7.5/23 N2-
2	32	2	Trust	1	OP	ft	6.0	:475	1:133	1:394	2.3	nk	1.1	2.8	66	67	-4	71	89	CL 15/25 N2-I
3	18	3	Rapid	1	OP	ft	6.0	:466	1:122	1:381	4.8	3.2	4.5	3.8	72	88	5	83	94	CL 25/27 N2-
4	18	4	Rarin	1	OP	ft	8.5	:468	1:117	1:372	0	0	0	0	80	91	5	86	86	CL c7.5/24
5	13	5	Justin	1	OP	ft	8.5	:472	1:123	1:382	4.1	2.5	3	2	73	79	7	72	81	CL 15/25 N2-
6	18	6	Pascha	2	OP	ft	8.5	:485	1:132	1:369	4.6	4.7	7.6	8.5	73	77	-2	79	88	CL 25/27 N2-I
7	17	7	Rippin	1	OP	ft	6.0	:471	1:125	1:382	3.1	1.6	4.1	4.3	71	83	1	82	85	CL 15/25 N2-I
8	13	8	Benedi	1	OP	ft	8.5	:472	1:123	1:382	9.7	11	15	18	57	54	7	47	81	CL 15/25 N2-I
9	24	-	Dotheb	1	OP	ft	8.0	:482	1:124	1:381	1.5	2.5	2.6	4.3	71	73	-1	74	82	SA SN2-X C30
10	13	10	Plenti	1	OP	ft	8.5	:472	1:123	1:382	6.6	5.1	3.2	3	72	78	7	71	81	CL 15/25 N2-I
11	13	12	Amaze	1	OP	ft	8.5	:472	1:123	1:382	0	0	3.1	9	66	68	7	61	81	CL 15/25 N2-L

This screen displays each horse's selected paceline with the fractional and final times <u>adjusted</u> by the TrackMaster's DTV and ITV. If today's race is a different distance and/or surface, those fractional and final times are also adjusted or "equalized" to make them consistent with today's distance and surface. (Compare the fractional and final times with the unadjusted numbers from the "Original" screen.)

<u>Note - With the tabbed screens under 'Analysis' to the right of the 'Original' screen, all factors and</u> <u>numbers are adjusted and equalized. The only raw, unadjusted data is on the Original and Tandem screens,</u> <u>the Workout Form Patterns data on the Entries screen and the Tandems, Workouts and Trip information on</u> <u>each horse's PP screen. Beyond that, nothing is raw unless the user has changed the default settings on the</u> <u>'Configure' screen, which is not recommended.</u>

Also displayed on this screen is an 'Adj SR' and a TrackMaster 'Net SR' with calculation.

Adj SR - Adjusted Speed Rating, computed by RDSS using internal formulas and includes:

- 1. Final time component;
- 2. Distance adjustment to today's distance (if necessary);
- 3. TrackMaster's Daily Track Variant (DTV) adjustment (controlled on the Config screen); and
- 4. TrackMaster's Inter-Track Variant (ITV) adjustment

The Adjusted SR is not the same as the TrackMaster SR and it does not include adjustments for:

- 1. 'class' as determined by earnings or in-the-money consistency (i.e. elements of APV and CR);
- 2. race conditions or caliber of race (race class levels, non-winner conditions, etc);
- 3. 'track class' or relative level of purse structures or perceived abilities of horses who race at different race tracks or circuits; or
- 4. incremental race segment components (e.g. 'pace' time ratings, fractional ratings).

It is strictly based on adjusted final time, and as such will have a direct one-to-one rank relationship with Total or 'True' Speed (TS) which is the velocity equivalent of the Adjusted Speed Rating (i.e. the rankings of these two readouts would be identical).

http://paceandcap.com/forums/archive/index.php?t-8004.html

TrackMaster Net SR - "In Validator and Speculator, the TM SR shown is the Net SR, i.e. original TM SR minus DTV. Erring on the side of completeness, I show it all." Ted

### Analysis/Velocity-PoH Screen

	1 4	pr 12	, 201	1			8f Di	n c	L15000 34	Purse:	\$24,500	RC: 88	(CL 15	NZ-L)							
	Entries	A	nalysis	6	Tandem	s	Tote	N	ewPace Pa	aceline Tools	Card St	ummmary									
	1	2 /	3		4	5	6	Y	7 8	9 10	11	12	13								
	Original	Ac	usted		Velocity-Po	H	Veloc	ity-PoR	Energy	PMTR/TPR	Segmen	ts Prima	ary BL/BL	Rx							
elo	city &	Energ	y Ratio	s	(horse)						-										
		Pgm	1	ne					Total		V	elocity (f	fps)			Ene	erav (9	6)			
	Last			#			Dist	SR	Energy #	F1 #	F2#	F3 #	SC #	TS#	DCL#	F1	F2	%Mec	ESP	F3	RS
1	18	4 Ra	rin	1	OP f	t	8.5	80	161.2 2	56.4 2	53.0 <sup>6</sup>	51.8 2	55.21	54.31	93.74	35.0	32.9	67.9	SP	32.1	EP
2	19	1 Bi	He	1	OP f	ft	8.5	75	159.8 3	55.4 6	53.7 2	50.77	54.8 2	53.73	92.68	34.7	33.6	68.3	P	31.7	SP
3	13	12 An	aze	1	OP f	t	8.5	66	156.610	55.9 3	52.67	48.112	54.8 <sup>3</sup>	53.09	87.812	35.7	33.6	69.3	E	30.7	E
4	18	3 Ra	pid	1	OP f	t I	6.0	72	158.77	55.8 4	52.1 9	50.8 6	54.5 5	53.56	93.26	35.2	32.8	68.0	SP	32.0	P
5	13	5 Ju	stin	1	OP f	t	8.5	73	159.5 6	55.27	53.1 4	51.1 4	54.5 5	53.64	93.93	34.6	33.3	67.9	SP	32.1	SP
8	17	7 Ri	opin	1	OP f	t I	6.0	71	158.58	55.5 5	52.5 8	50.5 8	54.46	53.48	92.77	35.0	33.1	68.1	SP	31.9	P
7	24	9 Do	theb	1	OP f	t	8.0	71	159.5 5	54.510	54.2 1	50.8 5	54.47	53.57	93.35	34.2	34.0	68.2	SP	31.8	EP
B	13	10 PI	enti	1	OP f	t	8.5	72	159.54	54.8 9	53.1 5	51.6 3	54.28	53.55	95.3 2	34.3	33.3	67.6	S	32.4	P
•	32	2 Tr	ust	1	OP f	t	6.0	66	156.8 9	55.2 <sup>8</sup>	51.9 <sup>11</sup>	49.7 9	54.09	52.911	92.19	35.2	33.1	68.3	P	31.7	P
10	18	6 Pa	scha	2	OP f	ft	8.5	73	161.4 1	53.612	53.4 3	54.4 1	53.610	53.8 2	101.51	33.2	33.1	66.3	L	33.7	S
11	13	8 Be	nedi	1	OP f	ft	8.5	57	155.212	54,211	52.110	48,910	53,511	52.312	91.410	34.9	33.6	68.5	P	31.5	P

There are 2 'Velocity' screens, 'PoH' and 'PoR'. PoH means 'Pace of the Horse' and PoR, the following screen, means 'Pace of the Race'. Each screen displays the horse's velocity and energy ratios from the selected paceline. <u>PoR</u> shows the velocity of the <u>front-runner</u> in each race segment (F1, F2, and F3), while PoH is PoR plus/minus lengths gained/lost by the horse during each segment. Thus, a gate-to-wire winner will have the same PoH and PoR numbers: the horse WAS the Pace of the Race.

The number sign (#) in some of the column headers throughout the software denotes a ranking column for the adjacent rating. Additional information on the PoH screen includes the following:

SR - RDSS Adjusted Speed Rating (not the Trackmaster SR), described in the previous screen.

<u>Total Energy</u> - Total Energy (TE), refers to the Total Energy of the horse and is the sum of the 3 fractional velocities of the horse itself, i.e. F1 + F2 + F3 = Total Energy. http://paceandcap.com/forums/archive/index.php?t-8912.html

<u>Velocity (fps)</u> - this section contains the horse's velocity, measured in feet per second, for the following:

- F1 First fraction of the race, two furlongs in a sprint, four furlongs in a route.
- F2 Second fraction, the middle two furlongs of the race.
- F3 Third fraction, the final segment of the race, which varies depending on the distance.
- SC Second call or Early Pace, i.e. second call distance / second call time.
- TS True or Total Speed, velocity for the race, i.e. total distance in feet / final time.

• DCL - Deceleration, third fraction velocity divided by second call velocity, i.e. F3 / SC <a href="http://paceandcap.com/forums/showthread.php?t=8339">http://paceandcap.com/forums/showthread.php?t=8339</a>

Energy % - this section contains four new data elements, all pertaining to Energy:

- F1 Percentage of Total Energy expended in first fraction, i.e. F1 / Total Energy
- F2 Percentage of Total Energy expended in second fraction, i.e. F2 / Total Energy
- %Med Percentage Median, the percentage of Total Energy expended by the Second Call, i.e. (F1 + F2) / (F1 + F2 + F3) or more simply, F1 + F2.
- F3 Percentage of Total Energy expended in third fraction, i.e. F3 / Total Energy

<u>ESP</u> - A running style classification based on energy and represents where in a race a horse expends the important portion of its energy. See explanation on Analysis/Energy screen.

### Analysis/Velocity-PoR Screen

100	-		32		-	/						8 (CL 15						
Ent	tries	Analys	s	Tander	ns	Tote	N	lewPace Pa	aceline Tools	Card Si	ummmary							
1	Y	2 3		4	5	6		7 8	9 10	11	12	13						
Orig	ginal	Adjusted	V	Velocity-P	OH	Velo	city-PoR	Energy	PMTR/TPR	Segmen	ts Prima	ary BL/B	L Rx					
elocity	y & E	Energy Ra	tios	(race)														
	F	gm	Line	9		-		Total		V	elocity (I	fps)	- states and a	Ene	ergy (%	6)		
La	ast	<del>,</del>	#			Dist	SR	Energy #	F1 #	F2#	F3 #	SC #	TS#	F1	F2	%Med	F3	RS
1 1	8	4 Rarin	1	OP	ft	8.5	80	161.2 2	56.4 4	53.0 <sup>3</sup>	51.8 2	55.21	54.32	35.0	32.9	67.9	32.1	EP 4
2 1	9	1 Big He	1	OP	ft	8.5	75	158.77	56.8 1	51.6 6	50.4 6	54.9 2	53.75	35.8	32.5	68.3	31.7	SP
3 1	8	3 Rapid	1	OP	ft	6.0	72	159.26	56.7 2	51.6 6	51.0 4	54.9 <sup>3</sup>	53.83	35.6	32.4	68.0	32.0	P
4 1	3 1	2 Amaze	1	OP	ft	8.5	66	159.54	55.9 6	52.6 4	51.0 4	54.84	53.84	35.1	33.0	68.0	32.0	E
5 1	3	5 Justin	1	OP	ft	8.5	73	159.54	55.9 <sup>6</sup>	52.6 4	51.0 4	54.84	53.84	35.1	33.0	68.0	32.0	SP
6 1	3 1	0 Plenti	1	OP	ft	8.5	72	159.54	55.9 6	52.6 4	51.0 4	54.84	53.84	35.1	33.0	68.0	32.0	P
7 1	3	8 Benedi	1	OP	ft	8.5	57	159.54	55.9 6	52.6 4	51.0 4	54.84	53.84	35.1	33.0	68.0	32.0	P
8 2	4	9 Dotheb	1	OP	ft	8.0	71	160.7 3	54.8 8	54.6 1	51.4 3	54.75	53.83	34.1	33.9	68.0	32.0	EP
9 1	7	7 Rippin	1	OP	ft	6.0	71	159.4 5	56.1 5	52.0 5	51.4 <sup>3</sup>	54.66	53.84	35.2	32.6	67.8	32.2	P
10 1	8	6 Pascha	2	OP	ft	8.5	73	163.6 1	54.4 9	53.4 2	55.7 1	54.17	54.51	33.3	32.7	65.9	34.1	S
11 3	2	2 Trust	1	OP	ft	6.0	66	157.38	55.67	51.27	50.6 5	54.08	53.16	35.3	32.5	67.8	32.1	P

'PoR' means 'Pace of the Race' and this screen displays the front runner's velocity and energy ratios in the selected pacelines of the horses in today's race. As stated previously, a gate-to-wire winner will have the same PoH and PoR numbers: the horse WAS the Pace of the Race.

The data items and formulae on this screen are identical to the 'PoH' screen immediately preceding. The only differences will be the Energy and Velocity numbers for horses NOT on the lead.

Again, these are <u>not</u> raw values. They have been adjusted by the DTV and ITV and equalized for today's distance/surface if different from the selected paceline.

### Analysis/Energy Screen

OP	1 4	-pr	12, 201				8f D		L15000 3	Furse.	24,500 N	0. 00 10	L 15 N2-L					
	Entries	Y	Analysis	Y	Tande	ems	Tote	N	ewPace F	Paceline Tools	Card Summ	mary						_
-	1	2	3	V	4	5	-	3	7 8	9 10	11	12 13						
	Origina	P/	Adjusted		Velocity-	PoH	Velo	city-PoR	Energy	PMTR/TPR	Segments	Primary	BL/BL R	x				
ne	rgy																	
1	Last	Pgi #	m L	ine #	1		Dist	SR	Total Energy #	Hid #	FX #	%Med	E/EP #	L/EP #	TPP #	Bal	ESP	RS
1	18	6	Pascha	2	OP	ft	8.5	73	161.4 1	77.91	54.0 2	66.3	89.5 3	88.1 1	89.5 1	4	L	S
2	18	4	Rarin	1	OP	ft	8.5	80	161.2 2	74.93	54.1 1	67.9	90.2 1	86.5 8	89.4 2	9	SP	EP 4
3	19	1	Big He	1	OP	ft	8.5	75	159.8 3	75.2 2	53.1 6	68.3	89.6 2	86.210	88.9 3	12	P	SP
4	13	10	Plenti	1	OP	ft	8.5	72	159.54	75.2 2	53.2 4	67.6	89.1 6	86.9 2	88.9 3	8	S	P
5	24	9	Dotheb	1	OP	ft	8.0	71	159.5 5	74.74	52.7 8	68.2	89.4 4	86.4 9	88.8 5	13	SP	EP
6	13	5	Justin	1	OP	ft	8.5	73	159.5 6	74.4 5	53.2 5	67.9	89.3 5	86.6 4	88.9 4	9	SP	SP
7	18	3	Rapid	1	OP	ft	6.0	72	158.77	72.6 6	53.3 3	68.0	88.8 7	86.6 3	88.7 6	10	SP	P
8	17	7	Rippin	1	OP	ft	6.0	71	158.58	72.57	53.0 7	68.1	88.8 8	86.5 7	88.6 7	15	SP	P
9	32	2	Trust	1	OP	ft	6.0	66	156.8 9	70.98	52.5 10	68.3	87.911	86.6 5	88.2 8	16	P	P
10	13	12	Amaze	1	OP	ft	8.5	66	156.610	68.910	52.0 11	69.3	88.4 9	85.512	88.0 9	21	E	E
/ 11	13	8	Benedi	1	OP	ft	8.5	57	155.212	69.3 9	51.6 12	68.5	87,112	86.5 6	87.710	18	P	P

The first nine columns of this screen are the same as the Velocity - PoH screen, although the horses are sorted based on Total Energy #. The following are new data items.

Hid - Hidden Energy, weighted average of the velocities of second and third fractions, i.e. F2 + F3 / 2.

FX - Factor X, the average of the velocities for the first and third fractions, i.e. F1 + F3 / 2.

<u>%Med</u> - Percentage Median, the sum of the velocities for the first and second fractions divided by the sum of the velocities for the first, second and third fractions, i.e. (F1 + F2) / (F1 + F2 + F3).

<u>E/EP</u> - Early Energy Potential, a blending of all three fractional velocities balanced toward the first two fractions. (Considered an improvement on the older EPR as a measurement of early energy distribution.)

<u>L/EP</u> - Late Energy Potential, a blending of all three fractional velocities balanced toward the third fraction. (Considered an improvement on the older LPR as a measurement of late energy distribution.)

TPP - Total Pace Potential, a combination of E/EP and L/EP.

<u>Bal</u> – Balance, the sum of E/EP and L/EP. For dirt races, a balance of energy distribution is desirable and a lower 'Bal' number shows a good E/EP and acceptable L/EP. Many "dirt" winners have a low balance, e.g. 4, 5 or 6, while winners in turf races often have a Bal over 8.

<u>ESP</u> - A running style classification based on Energy. It represents a range of %Med values (defined above) and describes where in a race a horse expends the important portion of its energy, i.e. early vs late. (Of course, it matters where the horse needs to have energy to expend, given today's match up, track, distance, surface, etc.) The TPR + E/L screen provides the same information in bar graph form, although calculated by a different formula and without making use of Fraction 1 velocities/energy %, i.e. 2<sup>nd</sup> call time based only). <u>http://paceandcap.com/forums/showthread.php?t=3376</u>

<u>RS</u> - The traditional 'visual' running style classifications with Quirin Speed Points.

## Analysis/PMTR/TPR Screen

P	1 A	pr 12, 20	017			8f Di	int C	L15000 3	+ Pur	se: \$2	4,500	RC: 88 (CL 15 N2-L)	Pos	st Til
	Entries	Analys	IS	Tand	ems	Tote	e N	ewPace I	Paceline To	olis	Card Sum	mmary		
-	1	2 3	Y	4	5	e e	5	7 8	9	10	11	12 13		
	Original	Adjuster	7	Velocity	PoH	Velo	city-PoR	Energy	PMTR/1	PR	Segments	Primary BL/BL Rx		
ac	e Mai	tes the Rad	:e" -	TPR +	Ear	ly/Late	Differ	ential						
		Pgm	Line	a.				Total				and the second	%	
	Last	#	#			Dist	SR	Energy #	EPR	LPR	TPR	Late Early	VDC	R
1	18	4 Rarin	1	OP	ft	8.5	80	161.2 2	86.5	87.5	174.0	1.0 2	0.8	EP
2	19	1 Big He	1	OP	ft	8.5	75	159.8 3	83.4	85.1	168.5	1.7	2.2	SF
3	18	6 Pasch	a 2	OP	ft	8.5	73	161.4 1	74.3	92.7	167.0	1 18.4	0.0	S
1	13	5 Justin	1	OP	ft	8.5	73	159.56	81.0	86.0	167.0	5.0	3.0	SF
5	13	10 Plenti	1	OP	ft	8.5	72	159.54	78.4	87.6	166.0	2 9.2	2.4	F
;	18	3 Rapid	1	OP	ft	6.0	72	158.77	80.8	84.9	165.7	4.1	5.0	
	24	9 Dothel	2 1	OP	ft	8.0	71	159.5 5	80.5	84.7	165.2	4.2	4.8	EF
1	17	7 Rippin	1	OP	ft	6.0	71	158.58	80.9	83.8	164.7	2.9	6.5	F
•	32	2 Trust	1	OP	ft	6.0	66	156.89	78.4	81.9	160.2	3.5	8.9	F
10	13	12 Amaze	_ 1	OP	ft	8.5	66	156.610	83.5	76.5	160.0	7.0 1	9.9	E
11	13	8 Bened	11	OP	ft	8.5	57	155.211	72.2	79.0	151.2	6.8	11.0	F

This screen displays Total Pace Ratings, its two components, and the Early/Late Differential in 'graph' form (commonly called the 'sticks').

After the "Dist" column, the following are displayed.

<u>SR</u> - RDSS Adjusted Speed Rating for the selected paceline.

<u>Total Energy</u> - Total Energy (TE), refers to the Total Energy of the horse and is the sum of the 3 fractional velocities of the horse itself, i.e. F1 + F2 +F3 = Total Energy.

EPR - Early Pace Rating, a rating based on the horse's velocity to the Second Call.

<u>LPR</u> - Late Pace Rating, a rating based on the average of the horse's Second Call and Third Fraction velocities, i.e. SC + F3 / 2.

TPR - Total Pace Rating, the sum of EPR and LPR.

<u>Late Early</u> bar graph – A visual representation of where the horse uses its Energy, either Late or Early. It is the difference in points of the LPR number subtracted from the EPR number. A positive difference indicates a surplus of Early energy, while a negative difference indicates a surplus of Late energy, as measured in the PMTR points system.

<u>VDC%</u> - Velocity relative to Deceleration, is a fraction by fraction summing of deceleration relative to how fast the horse was running in that fraction, expressed in a 'Perceptor' format, i.e. percentage deviation from the 'best,' the best represented as '0.0'. (Perceptor is described in more detail on the 'Primary' screen following.) The purpose of VDC is to show how well a horse did at overcoming the pace of the race, even if ranked lower on BL/BL, which it often would be if it happened to have lower Total Energy.

<u>RS</u> - The traditional 'visual' running style classifications with Quirin Speed Points.

### Analysis/Segments Screen

•⁄?	RDSS	Desktop	2 Dat	a Centr	e	Configu	re 👍	Registration	Records	Race C	ards							
OF	>1,	Apr 12,	2017			8f D	irt C	L15000 3	+ Purse:	\$24,500	RC: 8	8 (CL 15	N2-L)					
	Entrie	s Ana	ysis	Tan	dems	Tote	e N	ewPace P	aceline Tools	Card S	ummmary							
1	1	2	3	4	5		5	7 8	9 10	11	12	13						
1	Origina	al Adjus	ted	Veloci	ty-PoH	Velo	city-PoR	Energy	PMTR / TPR	Segmer	its Prim	ary BL/BL	Rx					
Rad	ce Seg	ments																
		Pgm	Lin	е				Total	Compute		h Lengths	VDC		Increr	nental Matc	h Up		
✓	Last	<del>,</del>	#			Dist	SR	Energy #	F1 #	SC #	Fin #	% #	F1		F2		TS + F3	RS
V 1	18	4 Rari	1 1	OP	ft	8.5	80	161.2 2	0.0 1	0.0 1	0.0 1	0.8 1	/	er 1	A.	6	A.	2 EP
V 2	2 18	6 Pas	ha 2	OP	ft	8.5	73	161.41	7.7 11	4.6 9	1.6 2	0.0 1	*	11	1	3		🕂 1 🛛 S
3	3 19	1 Big I	le 1	OP	ft	8.5	75	159.8 3	2.8 5	1.2 2	1.7 3	2.2 2	-	5	-	2		5 SP
V 4	+ 13	5 Just	<u>n</u> 1	OP	ft	8.5	73	159.56	3.3 6	2.1 4	2.0 4	3.0 4		6	-	4	御 御	4 SP
V 5	5 13	10 Plen	ti 1	OP	ft	8.5	72	159.54	4.6 8	2.9 7	2.3 5	2.4 3		8	A	5	1	3 P
V 6	3 18	3 Rap	d 1	OP	ft	6.0	72	158.77	1.7 3	2.1 4	2.3 6	5.0 5	-	3 .4	*	9	- Cit	6 P
17	24	9 Doth	eb 1	OP	ft	8.0	71	159.5 5	5.3 9	2.3 6	2.4 7	4.8 6	*	9		* 1	P P P	7 EP
V 8	3 17	7 Ripp	in 1	OP	ft	6.0	71	158.58	2.5 4	2.2 5	2.6 8	6.5 7	~	4	1	8		8 P
V 9	13	12 Ama	ze 1	OP	ft	8.5	66	156.610	1.3 2	1.3 3	3.7 9	9.9 8	1	2	A	7	A	10 E
V 1	10 32	2 Trus	1	OP	ft	6.0	66	156.89	3.4 7	3.4 8	4.0 10	8.9 9	*	7		11		9 P
1	11 13	8 Ben	edi 1	OP	ft	8.5	57	155.211	6.1 10	4.9 10	5.7 11	11.0 10	A	10	1	10	1	10 P

In addition to information previously shown and described, this screen displays the following:

#### Computed Beaten Lengths:

- F1 determined by the horse's velocity for Fraction 1.
- SC determined by the horse's velocity to the Second Call, i.e. Fractions 1 and 2.
- Fin determined by the horse's average velocity for the entire race, i.e. total distance / final time. (Average velocity for the entire race is also True Speed (TS) and is consistent with the RDSS Adjusted Speed Rating (ASR) in rankings.)

<u>VDC%</u> - Velocity relative to Deceleration, is a fraction by fraction summing of deceleration relative to how fast the horse was running in that fraction, expressed in a 'Perceptor' format, i.e. percentage deviation from the 'best,' the best represented as '0.0'.

<u>Incremental Match Up</u> - A visual representation of how the horses match up on velocity within each race segment, using the selected pacelines.

- F1 determined by the horse's F1 velocity.
- F2 determined by the horse's F2 velocity
- TS + F3 determined by averaging the horse's True Speed + F3 velocity.

Each segment is portrayed individually, as if there were three different races. They are not cumulative. For the projected winner, see Computed Beaten Lengths – Fin column.

### Analysis/Primary Screen

-		-	ktop 🔡	-	Centre	V C	Configur	-		Records	Stephen	e Cards										_
OP	1 4	Apr	12, 20	17			8f Di	rt C	L15000 3	+ Purs	e: \$24,	500 R	C: 88 ((	CL 15 N	2-L)							
	Entries	V	Analysi	5	Tand	lems	Tote	N	ewPace F	aceline Too	ls Ca	ard Summm	ary					_	_			
_	1	2	3	V	4	5	6	V	7 8	9	10	11 V 1	2 13									
_	Original	-	Adjusted		Velocity	-	-	ity-PoR	Energy	PMTR/TP		ments	Primary	BL/BL	Rx							
nin			ors & Lin	e S			Contraction of the local division of the loc	and the second		PMIR/IP	R Deg	Intents	Primary	DL/DL	ra							
												100.00					Barrowski		VDO			
	Last	Pgi	m I	Line			Diet		Total	EPR	LPR	CPR	hary Fact	ors HID	FW	FX	Perceptor Total #	LS #	VDC	Comp.	FOR	
4	Last	#	8	-#-			Dist	SR	Energy #	LFR	LEN	OFR	11	HID	r vv	ГЛ	Total #	LS #	70 #	SR #	ESP	R
1	18	4	Rarin	1	OP	ft	8.5	80	161.2 2	0.0	5.6	0.0	3.4	3.9	0.0	0.0	0.0 1	16 1	0.8 1	0.0 1	SP	E
2	18	6	Pascha	2	OP	ft	8.5	73	161.41	14.1	0.0	4.0	2.4	0.0	0.7	0.2	8.5 2	22 2	0.0 1	6.4 4	L	1
3	19	1	Big He	1	OP	ft	8.5	75	159.8 3	3.6	8.2	3.2	0.0	3.5	3.0	1.9	10.5 3	22 2	2.2 2	5.8 3	P	SF
4	13	5	Justin	1	OP	ft	8.5	73	159.56	6.4	7.2	4.0	2.7	4.5	3.3	1.7	16.9 4	29 4	3.0 4	4.8 2	SP	SI
5	13	10	Plenti	1	OP	ft	8.5	72	159.54	9.4	5.5	4.6	2.8	3.5	3.0	1.6	17.5 5	28 3	2.4 3	8.9 6	S	F
6	24	9	Dotheb	1	OP	ft	8.0	71	159.5 5	6.9	8.6	5.1	0.6	4.1	4.4	2.7	19.5 6	40 6	4.8 6	9.2 6	SP	EF
7	18	3	Rapid	1	OP	ft	6.0	72	158.77	6.6	8.4	4.8	5.5	6.8	4.2	1.5	24.9 7	39 5	5.0 5	7.6 5	SP	
8	17	7	Rippin	1	OP	ft	6.0	71	158.58	6.5	9.6	5.3	4.5	6.9	5.0	2.0	26.9 8	48 7	6.5 7	4.5 2	SP	F
9	32	2	Trust	1	OP	ft	6.0	66	156.89	9.4	11.7	7.9	6.0	9.0	7.4	3.0	41.5 9	60 9	8.9 9	14.5 7	P	
10	0 13		Amaze	1	OP	ft	8.5	66	156.610	3.5	17.5	8.0	4.5	11.6	9.6	3.9	45.7 10	58 8	9.9 8	17.9 8	E	E
11	1 13	8	Benedi	1	OP	ft	8.5	57	155.211	16.5	14.8	13.1	6.3	11.0	12.0	4.7	65.5 11	71 10	11.0 10	18.5 9	P	F

This screen displays the rankings of the seven 'Primary Factors' that comprise the Line Score (thus the tab name 'Primary'), the Perceptor Total, the Primary Line Score, the Velocity/Deceleration percentage and the Composite Speed Rating, all presented in the "Perceptor" format except the Primary LS.

Perceptor is a concept carried forward from earlier Sartin program Speculator and shows factors in terms of their percentage deviation from the best, which is represented as '0.0'. It helps reveal how close different numbers are. For example, a difference of 0.1% (1/10<sup>th</sup> of one percent) is insignificant and indistinguishable from chart-caller error, while a difference of 24.2% is very significant.

<u>Primary Factors</u> (shown in 'Perceptor' style percentages)

- EPR Early Pace Rating, a rating based on the horse's velocity to the Second Call.
- LPR Late Pace Rating, a rating based on the average of the horse's Second Call and Third Fraction velocities.
- CPR Composite (or Total) Pace Rating, a rating based on the sum of EPR and LPR.
- TT Turn Time, a rating based on the horse's velocity for the Second Fraction.
- HID Hidden Energy, a rating based on the "weighted" average of the velocities of the Second and Third Fractions.
- FW Factor W, a rating based on the average of all three fractions. For sprints, it's (SC × 2) + F3 / 2. For routes, it's SC + (F3 × 2) / 2.
- FX Factor X, a rating based on the average of the velocities for the First and Third fractions, i.e. F1 + F3 / 2.

Perceptor Total - The percentage deviation from the best Line Score, which is represented as '0.0'.

Primary LS – The sum of the Perceptor percentage differences of the 7 Primary Factors, with their varying weights.

VDC% - Velocity relative to Deceleration (described on 'Segments' screen above) expressed in Perceptor format.

Comp SR - Composite Speed Rating, based on Adjusted SR only and not on the TrackMaster SR, expressed in Perceptor format. It is a weighted composite of the last 4 valid Adjusted SRs and can be modified by Configuration Settings. Also displayed on the 'Entries' screen.

### Analysis/BL/BL Screen

	1 /	ιμ	12, 201	1			8f Di		-	500	1 3	T	Pu	rse.	φ2	:4,0	00 A	C: 88	(CL	15	NZ-1	-/							
	Entries	Y	Analysis	Y	Tande	ems	Tote	1 1	NewF	Pace	P	acel	ne 1	Tools	V	Can	d Summi	nary											
-	1	2	3		4	5	e e	5	7		8	ç		1	0	1	1	12	13										
-	Origina	76	Adjusted	-	Velocity-	PoH	Velo	city-PoR	V	Ener	V	PN		TPR	-	Sean	nents	Primary	В	LIBL	_	Rx	1						
			Betting Li	ne																		O A E							
		Pgr	n I	ine	a l			SR	В	T D O C	E	L	С	TH	I F	F	Prim.	BL	BL	٧	C N S P	1	ΡT	TT	Supp	. Fractals	E/L Diff		
	Last	#	10 A	#			Dist	R	AL	O C L	R	R	PR	TI		/ X		Score		SC	SP		F S 3 F3	SI	2016 C	ELN		ESP	F
1	18	Λ	Rarin	1	OP	ft	8.5	80	9	2 4	14	2	1	6 3	1	4	16 1	20.0	1.8	4	4 4	Ť.	2 2	1	4	122	1.0	SP	E
2	18		Pascha	2	OP		8.5	73		1 1	10	1 1	3	-		2	22 2	17.0	2.5	1	4 2		1 1	2	2	2 1 1	18.4	Contract State	-
3	19		Big He	1	OP	ft		75	10.0	3 8	3	Road Street	2		2 3		22 2	17.0	2.5	2	3		3 5	3 3		455	1.7	L	s
4	13		Plenti	1	OP	ft	8.5	72		4 2	8	-	4	5	3	1.20	28 3	14.5	3.5	3	6	Ľ	5 3	5		633	9.2	S	٦
5	13		Justin	1	OP	ft		73		6 3		4	3	4 5			29 4	13.0	4	1.74	2	L	4 4	4	10 ACT (11	544	5.0	SP	L.,
6	18	_	Rapid	1	OP		6.0	122/22	1.2.1	7 6	6			8 6			39 5	5.0	10	5	5 2		76	6 6	2 1 7 2 1	366	4.1	SP	1
7	24	10000	Dotheb	1	OP		8.0			5 5				2 4	10.00		40 6	4.5	12		6	1	6 7	7 5	S. 1981	877	4.2	SP	E
8	17	1000	Rippin	1	OP		6.0	71			5		7	7 7	7 7	10.00	48 7	1.0	20		2	L	6 8	8 7	S. 224	788	2.9	SP	
	13		Amaze	i	OP		8.5	0000	1000	10 11	1	11	9	7 1	0 9	10	58 8	0.5	20	8	8	L	9 10	73 N	9 9	101010	7.0	F	
10			Trust	1	OP		6.0	66	1000	1053-005	9		÷.	9 8	1.5	1.1	60 9	0.0	20	9	7 1	L	3 13	10 8	16 N. 19	9 9 9	3.5	E P	
	13		Benedi	-	OP		8.5			11 10	1.5			10 9	100	10.00	71 10	0.0	20	10	S		1010	1.5		11 11 11	6.8	P	

"BL/BL is the central, summary screen. All the other screens are feeder screens, or fancy ways of impactfully portraying the ratings as they progress from Raw to Adjusted to Compounded." <a href="http://paceandcap.com/forums/showthread.php?t=5879">http://paceandcap.com/forums/showthread.php?t=5879</a>

Most of the categories of data have appeared and been described on prior 'Analysis' screens. On the 'Bottom Line Score, Betting Line Odds' screen, abbreviated 'BL/BL', that data is brought together with most presented as rankings for the horse's selected paceline.

SR - Speed Rating, the RDSS Adjusted Speed Rating (described on the 'Adjusted' screen).

BAL - Balance, the sum of E/EP and L/EP (described on the 'Energy' screen).

<u>TOT</u> - Total Energy, the ranking of the horse's Total Energy, which is the sum of the 3 fractional velocities (described on the 'Energy' screen).

<u>DCL</u> - Deceleration, the ranking of the horse's Deceleration, which is the Third Fraction velocity divided by the Second Call Velocity, i.e. F3 / SC.

The next seven columns are rankings for the Primary Factors or 'Corollaries' of the Primary Line Score.

EPR - Early Pace Rating, a ranking based on the horse's velocity to the Second Call.

<u>LPR</u> – Late Pace Rating, a ranking based on the average of the horse's Second Call and Third Fraction velocities.

<u>CPR</u> - Composite (or Total) Pace Rating, a ranking based on the sum of EPR and LPR.

TT - Turn Time, a ranking based on the horse's velocity for the Second Fraction.

<u>HID</u> - Hidden Energy, a ranking based on the "weighted" average of the velocities of the Second and Third Fractions.

<u>FW</u> - Factor W, a ranking based on the average of all three fractions. For sprints, it's  $(SC \times 2) + F3 / 2$ . For routes, it's  $SC + (F3 \times 2) / 2$ .

 $\underline{FX}$  - Factor X, a ranking based on the average of the velocities for the First and Third fractions, i.e. F1 + F3 / 2.

<u>Prim. LS</u> - Primary Line Score is the total of the rankings for the seven Primary Factors.

<u>BL Score</u> - Bottom Line Score is the line score that is computed from the seven Primary factors with their specific weightings.

<u>BL Odds</u> - Betting Line Odds is the odds line generated by RDSS from the Line Score. Its purpose is to show betting value when the RDSS odds are compared to 'tote' odds.

<u>VDC</u> - Velocity relative to Deceleration, a ranking based on a fraction by fraction summing of deceleration relative to how fast the horse was running in that fraction (described on the 'Segments' screen).

<u>CSR</u> - Composite Speed Rating, a ranking based on the weighting of the RDSS Adjusted Speed Rating from the last 4 usable lines, regardless of distance, surface, race conditions or finish (described on the 'Entries' and 'Primary' screens).

<u>NP</u> - Early/Late Plus indicates the top two Early and top two Late horses.

The next four columns are rankings for the Supplementary Factors or 'Corollaries'.

<u>PF3</u> - Projected Fraction 3, a ranking of the Third Fraction time with beaten lengths added. (Also known as the 'Projected Power Fraction' described by Mike Pizzolla and others.)

<u>TS F3</u> - True Speed plus F3, a ranking of the average of True Speed + Third Fraction velocity, i.e. final time with extra weight for the last fraction.

TS - True Speed, a ranking of average velocity for the entire race, identical to Adjusted Speed Rating.

<u>TPP</u> - Total Pace Potential, a ranking of the aggregate of E/EP (Early Energy Potential) and L/EP (Late Energy Potential. Considered an improvement by Sartin over the earlier EPR + LPR = CPR.

<u>Supp. LS</u> - Supplementary Line Score, a ranking of the Supplementary Corollary totals (which are not shown).

<u>Fractals</u> – a ranking of a collection of energy disbursement blends, Early, Late and Normal (Unbiased), depending on which energy disbursement style the user judges the contenders to run as. For example, if there are 3 "Earlies" with fairly equal early energy ability, consider the higher ranked Late Fractal readout because the Earlies may wear each other out. Per Ted – "Doc thinks that in general Fractals was an inconclusive concept, yet left them in anyway because of demand. RDSS provides them for backward compatibility with Val and Spec." <u>http://paceandcap.com/forums/showthread.php?t=4115</u>

#### Analysis/Rx Screen

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2	Entrie	5)	Analysis	-	Tande	ems	Tote		<b>lewPa</b>	ace F	Paceline	Tools	Ca	rd Su	mmm	ary																
3	1	2	3	Y	4	5	6	5	7	8	9	10	Y	11	1	2	13															
(	Origina	1	Adjusted		Velocity-	PoH	Velor	city-PoR	Y	Energy	PMTR/	TPR	Seg	ments	7	Prima	ry /	BL/E		R	x											
( L	ine S	core	/Betting	Lin	e																											
		Pgn	n	Line						BL	VCI	PCE		Rx	4		P	TT	Т	Supp	F	PoR	L			E		Toto	e MT	P:	32	
	Last	#	13 AN	#			Dist	SR	TE	BL	DSI	L R L + +	: 1	2	3		F3	S S F3	PP	LS		TSF34	R	Late/I	Early	PR	RS	M/L			Tx1	PV
1	18	4	Rarin	1	OP	ft	8.5	80	2	20.0	11	2 5 1	13	11	26	3.8	2	2 1	2	1	2 2	2	3	1.0		1	EP 4	6	16	5	0.0	3
2	18	3	Rapid	1	OP	ft	6.0	72	-	5.0	5	1 2 2	2 11	11	21	4.9				5	4			4.1		-	P 5	3	1.6	31	2.1	3
3	18	6	Pascha	2	OP	ft	8.5	73	1	16.5	14	2	2 7	7	14	8.3	1	1 2	1	2	1 1	1	1	18.4			S1	8	5	14	1.4	5
4	19	1	Big He	1	OP	ft	8.5	75	3	17.0	2 3 3	3	5	5	14	8.3	3	5 3	3	3		1000	5	1.7		3	SP1	8	6	11	3.1	7
5	17	7	Rippin	1	OP	ft	6.0	71		1	2 :	5 1	10	11	14	8.3					53			2.9			P6	4.5	11	7	3.0	6
5	32	2	Trust	1	OP	ft	6.0	66				4 1	4	4	7	18					5			3.5			P7	6	8	9	2.0	5
7	13	5	Justin	1	OP	ft	8.5	73		12.0	5 2		3	3	6		4	4 4	4	4	44	5	4	5.0		5	SP1	12	8	9	3.2	3
B	13	10	Plenti	1	OP	ft	8.5	72	4	14.5	4						5	3 5	3	3	44	4	2	9.2			P 3	10	17	5	0.8	4
9	24	9	Dotheb	1	OP	ft	8.0	71	5	4.5		3							5		3 3	3		4.2			EP 6	20	19	4	1.9	5
10	13	12	Amaze	1	OP	ft	8.5	66													44				7.0	2	E 5	15	15	5	3.1	6
11	13	8	Benedi	1	OP	ft	8.5	57				4									44			6.8			P 3	15	35	2	4.2	5

**Rx** is a newer Analysis Screen in **RDSS 2.1**. Each Rx factor is a line score and odds line composed of other line scores and composite factors, some non-correlated to Pace/Speed/Energy to give a comprehensive view of the true contenders. It is an alternative to BL/BL. Like BL/BL it comprises a weighting of other factors, in this case: VDC, CSR, an optional outside factor such as ProfitLine, CR+, and a composite Early/Late measurement.

All information on this screen has been displayed and explained previously on other screens but will be displayed again here for clarity and ease of reference.

<u>Last</u> - Days since last race and in superscript, days since last work. The same information appears on the 'Entries' screen as 'Last Race/Wk.'

Pam # - Horse's program or saddle-cloth number, followed by horse's name.

<u>Line #</u> - The paceline (or running line or race) selected for evaluation, followed by the track abbreviation where the race was run and condition of the track surface.

<u>Dist</u> - The distance of the race.

SR - RDSS Adjusted Speed Rating.

TE - Total Energy, a ranking of the sum of the 3 fractional velocities of the horse.

BL/BL - Bottom Line, Betting Line score from the Analysis/BL/BL screen.

<u>VDC</u> - Velocity relative to Deceleration, a ranking of the fraction by fraction summing of deceleration relative to how fast the horse was running in that fraction.

<u>CSR</u> - Composite Speed Rating, a ranking of the weighting of the Adjusted Speed Rating from the last 4 usable lines, regardless of distance, surface, race conditions or finish. Highly predictive factor as more than 80% winners come from the top 5.

<u>PL</u> - The ProfitLine ranking from TwinSpires.

www.twinspires.com/news/2007/9/18/profitline-horse-racing-odds-twinspires

<u>CR+</u> - Class Rating Plus, a ranking of the enhanced measure of class (uses the old CR with a weighted ranking of the horse's final odds from its last four races).

<u>E/L+</u> - Early/Late Plus, indicates the top two Early (red) and top two Late (blue) horses, using a refined pace method.

<u>Rx</u> - As described above, Rx is a composite line score factor comprised of weighted input from VDC, CSR, CR+, EL+, and an additional component, as follows:

- Rx1 uses Morning Line rank
- Rx2 uses additional weighting for CR+
- Rx3 uses ProfitLine

http://paceandcap.com/forums/showthread.php?t=10574

The next four columns are rankings for the Supplementary Factors or "Corollaries".

<u>PF3</u> - Projected Fraction 3, a ranking of the Third Fraction time with Second Call beaten lengths added.

<u>TS F3</u> - True Speed plus F3, a ranking of the average of True Speed + Third Fraction velocity, i.e. final time with extra weight for the last fraction.

TS - True Speed, a ranking of average velocity for the entire race, identical to Adjusted Speed Rating.

<u>TPP</u> - Total Pace Potential, a ranking of the aggregate of E/EP (Early Energy Potential) and L/EP (Late Energy Potential.

<u>Supp. LS</u> - Supplementary Line Score, a ranking of the four Supplementary Factors.

<u>PoR</u> - rankings of three "Pace of Race" factors from the horse's selected paceline:

- TE Total Energy of the race winner.
- F3 Third Fraction velocity of the race winner.
- TSF3+ True Speed plus F3, a ranking of the average of True Speed + Third Fraction velocity, i.e. final time with extra weight for the last fraction, for the race winner.

<u>Late/Early</u> - rankings of the Late Pace and Early Pace Ratings with the E/L Differential, which indicates where in the race the horse uses its energy. If red, it indicates the horse uses more energy by the Second Call. If blue, the horse uses more energy in the Third Fraction.

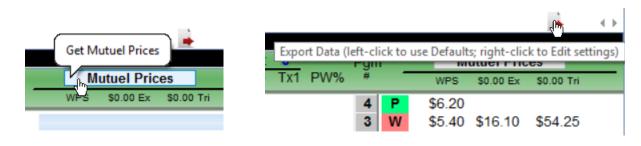
<u>RS</u> - the horse's "Running Style" and in superscript, the horse's Quirin Speed Points.

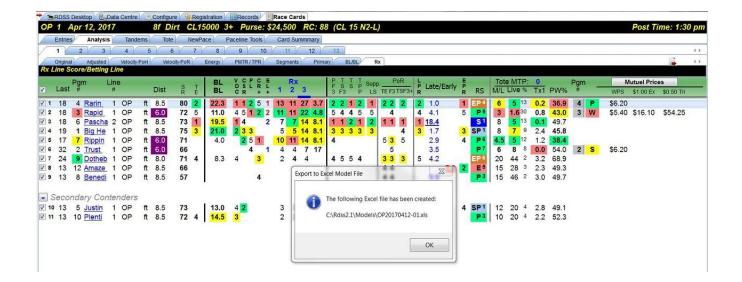
<u>Tote</u>

- MTP Minutes to Post
- M/L Morning Line Odds on the horse.
- Live Live tote odds on the horse.
- % Horse's odds of winning expressed as a percentage.

- Tx1 original Tote Xray, measures relationships between the WPS pools.
- PW% the ratio of Place pool money bet on the horse to Win pool money bet on the horse.

<u>Mutuel Prices</u> – provides post race WPS, Exacta and Trifecta prices, which can be exported with other data to Excel.





Here's a video by RichieP showing how to use the "Export to Excel" feature to send Analysis data to an Excel file so it can be used in Factor Models.

http://www.sartinmethodology.com/media/Rdss2ExcelModels.wmv

#### Results, when available, can be obtained by clicking the "Result Chart" button on the "Entries" screen.

#### 1st Race - Oaklawn Park - Wednesday, April 12th, 2017

Conditions: 1 MILE CLAIMING, FOR THREE YEAR OLDS AND UPWARD WHICH HAVE NEVER WON TWO RACES. Three Year Olds, 119 lbs.; Older, 124 lbs. Non-winners Of A Race Since February 12, 2017 Allowed 3 lbs. Claiming Price 515,000 (Races Where Entered For \$12,000 or Less Not Considered In Allowances And Eligibility). Purse: \$24,500 Value of Race: \$24,500 1st \$4,900 2nd \$14,700 3rd \$2,450 4th \$1,225 5th \$735 6th \$82 7th \$82 8th \$82 9th \$82 10th \$81 11th \$81 Mutuel Pool: \$60,777 Exacta Pool: \$47,443 Superfecta Pool: \$15,864 Trifecta Pool: \$27,702

#	Horse	A/S	M/E	Wgt	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds
4	Rarin to Go (DQ)	4 C	L	121	4	1	11	12 1/2	13	1 <sup>hd</sup>	1 <sup>nk</sup>	Franco Geovanni	5.30
3	Rapid Red	5 G	Lf	118	3	2	3 <sup>hd</sup>	52	31/2	2 <sup>2</sup>	22 3/4	Santana, Jr. Ricardo	*1.70
2	Trust Your Gut	4 G	Lb	121	2	3	71/2	61	2 <sup>hd</sup>	33	31/2	Contreras Luis	8.80
1	Big Headed Jerry	4 G	Lb	121	1	10	11	81/2	52 1/2	42	4 <sup>2</sup>	Pompell Thomas L.	7.70
6	Paschal	4 G	L	118	6	9	9 <sup>hd</sup>	11	6 <sup>hd</sup>	54	56 1/2	Birzer Alex	5.40
7	Rippin Ranger	5 G	Lf	121	7	4	51/2	4hd	43 1/2	62 1/2	62	Marquez, Jr. Carlos H.	5.90
5	Justin Zee	6 G	Lf	121	5	11	10 <sup>hd</sup>	9 <sup>hd</sup>	71/2	74	74 1/2	Laviolette Shane	20.80
9	Dothebestyoucan	5 G		119	9	6	2 <sup>hd</sup>	3 <sup>hd</sup>	8 <sup>3</sup>	82	81 1/4	Rodriguez Mario	44.80
10	Plentiful	3 G	Lf	118	10	8	81	71/2	91	92	92	Rocco, Jr. Joseph	20.70
8	Benediction	4 G	Lf	121	8	5	6 <sup>hd</sup>	10 <sup>hd</sup>	101/2	1012	1010 1/2	Court Jon Kenton	46.40
12	Amaze	4 G	Lb	121	11	7	41/2	2 <sup>hd</sup>	11	11	11	Borel Calvin H.	28.00
	Time: 1:31 Start: 11 went. Good tions: :23 <sup>2</sup> , :47 <sup>2</sup> , 1:11 <sup>4</sup> , 1:25 <sup>1</sup> , 1:38 <sup>2</sup>					76°							
#	Horse									1	Win	Place	Show
3	Rapid Red									4	5.40	3.40	2.60
4	Rarin to Go											6.20	4.60
2	Trust Your Gut												6.20
Pedi	gree: 3 - Rapid Red, Chestnut Gel	lding, 5, by Circular	Quay - Lau	ra's Minstrel	by Theat	rical (IR	E)						
Wag	er Type					Payoff	Winnin	g Numbers					Pool

wager type	Payon	winning sumbers	Pool	
\$1 Exacta Superfecta	\$16.10	3-4	\$47,443	
Superfecta	\$39.08	3-4-2-1	\$18,864	
Trifecta	\$54.25	3-4-2	\$27,702	

#### Single Entry Screens

### Analysis/Original

( Fabrica) Available ( Trade	8f Dirt CL1	Dec.	eline Tools	Card Summmary												
Entries Analysis Tande		ace Pac														150
1 2 3 4	5 6 7	8	9 10		3					t W	PS	W% IM%	En	rnings	EPS	43
8 Rapid Red		PP-3	(Apr 2012)	M/L: 3 /	APV 120 CR 2.13	Win IT	M	P 5	Life 1		4 3			9,430	4,494	
100 16 25 12 16 53	Santana Jr Ricardo		LIVE		CSR 5	1			2017 3	3 1	0 1	9 73 33 67	1	4,649	4.883	
	Robertson McLean				PL 1				2016 ·	1 0	2 1	0 75 0 100		2,240 5,740	5,560 5,740	
Wolfe Racing LLC and Robe	tson, Hug				2				Wet :		0 1	0 50		3.200	1,600	
Original Adjusted Tandems	Velocity-PoH W	elocity-PoR	Energy PM	ITR / TPR Primary	Workouts	Trip								ALCONG L	0.00.000	S .
riginal Data		1:129	X		F	EEPP	SP	S U		Track	Master		PoH	PoR	Percept	-
Days Race Id	Dist 1st 2	nd 3rd		Conditions		st 2nd		Fin	Fld Odds			Adj. SR	TE	TE	Total	
										UND	1 1 1/0	AUL SK				
1 18 25Mar17 2OP 2	ft 6.0 :219 :4	456 :58	1:104 3+	CL 25/27 N2-L	6 7		3 4.5	33.8	9 8.5	88	5 94	72 7	158.7	159.2	35.4 5	
		45 <sup>6</sup> :58 46 <sup>1</sup> :58 <sup>6</sup>	1:104 3+ 1:051 3+	CL 25/27 N2-L CL 30/20	6_7							CONTRACTOR OF CONTRACTOR				
2 31 56 12Mar17 2FG	my 5.5 :22 <sup>5</sup> :4				6_7	4.8 6 3.2	3 4.5	3.3.8	9 8.5 7 7.6	88	5 94	72 7	158.7	159.2	35.4 5	
2 <u>31 56</u> 12Mar17 2FG 3 87 15Jan17 7FG	my 5.5 :22 <sup>5</sup> :4 ft 6.0 :22 <sup>5</sup> :4	461 :585	1:051 3+	CL 30/20	6 7 4 6 <b>2</b> 3	4.8 6 3.2 4.1 5 3.6	34.5 52.2	3.3.8	9 8.5	88 80	5 94 5 94	72 7 65 14	158.7 156.2	<b>159.2</b> 156.2	35.4 <sup>5</sup> 58.3 <sup>9</sup>	
2 31 56 12Mar17 2FG 3 87 15Jan17 7FG 4 111 251 22Dec16 3FG	my 5.5 :22 <sup>5</sup> :4 ft 6.0 :22 <sup>5</sup> :4 ft 6.0 :22 <sup>4</sup> :4	46 <sup>1</sup> :58 <sup>6</sup> 46 <sup>3</sup> :58 <sup>6</sup>	1:05 <sup>1</sup> 3+ 1:11 <sup>2</sup> 4+	CL 30/20 MC 25/18	6 7 4 6 <b>2</b> 3	4.8 6 3.2 4.1 5 3.6 1.5 2 1	34.5 52.2 11	33.8 41.9 11.5	9 8.5 7 7.6 7 <u>0.6</u>	88 80 82	5 94 5 94 -4 78	72 7 65 14 72 7	158.7 156.2 158.4	<b>159.2</b> 156.2 158.2	35.4 <sup>5</sup> 58.3 <sup>9</sup> 36.5 <sup>6</sup>	
2 31 56 12Mar17 2FG 3 87 15Jan17 7FG 4 111 251 22Dec16 3FG 5 362 15Apr16 10OP	my 5.5 :22 <sup>5</sup> : ft 6.0 :22 <sup>5</sup> : ft 6.0 :22 <sup>4</sup> : ft 5.5 :22 <sup>7</sup> :	46 <sup>1</sup> :58 <sup>4</sup> 46 <sup>3</sup> :58 <sup>4</sup> 46 <sup>4</sup> :59	1:05 <sup>1</sup> 3+ 1:11 <sup>2</sup> 4+ 1:11 <sup>9</sup> 3+	CL 30/20 MC 25/18 MC 25/18	6 7 4 6 2 3 6 6 6 6	4.8         6 3.2           4.1         5 3.6           1.5         2 1           4.1         5 3.2	34.5 52.2 11 32.5	33.8 41.9 11.5 21.8	9         8.5           7         7.6           7 <u>0.6</u> 8         2.8	88 80 82 80	5 94 5 94 4 78 7 79	72         7           65         14           72         7           69         10	158.7 156.2 158.4 157.7	<b>159.2</b> 156.2 158.2 157.6	35.4 <sup>5</sup> 58.3 <sup>9</sup> 36.5 <sup>6</sup> 44.3 <sup>8</sup>	
2         31         56         12Mar17         2FG           87         15Jan17         7FG           4         111         251         22Dec16         3FG           362         15Apr16         10OP         374         3Apr16         1OP	my 5.5 :22 <sup>5</sup> : ft 6.0 :22 <sup>5</sup> : ft 6.0 :22 <sup>4</sup> : ft 5.5 :22 <sup>7</sup> : ft 6.0 :22 <sup>2</sup> :	461 :585 463 :585 464 :59 468 :585	1:05 <sup>1</sup> 3+ 1:11 <sup>2</sup> 4+ 1:11 <sup>9</sup> 3+ 1:04 <sup>6</sup> 3+	CL 30/20 MC 25/18 MC 25/18 MS 76	6 7 4 6 2 3 6 6 6 6 5 5	4.8         6 3.2           4.1         5 3.6           1.5         2 1           4.1         5 3.2           2.7         5 4.1	34.5 52.2 11 32.5 34.5	33.8 41.9 11.5 21.8 35.8	9         8.5           7         7.6           7 <u>0.6</u> 8 <b>2.8</b> 9         8.2	88 80 82 80 83	5 94 5 94 -4 78 7 79 6 86	72         7           65         14           72         7           69         10           65         14	158.7 156.2 158.4 157.7 156.3	159.2 156.2 158.2 157.6 157.7	35.4 5 58.3 9 36.5 6 44.3 8 61.4 10	
2         31         56         12Mar17         2FG           3         87         15Jan17         7FG           4         11         251         22Dec16         3FG           5         362         15Apr16         10OP           6         374         3Apr16         10P           7         398         215         10Mar16         7FG	my         5.5         :22 <sup>5</sup> :22 <sup>5</sup> ft         6.0         :22 <sup>5</sup> :2           ft         5.5         :22 <sup>7</sup> :2           ft         5.5         :22 <sup>2</sup> :2           ft         6.0         :22 <sup>2</sup> :2           ft         6.0         :22 <sup>2</sup> :2           ft         6.0         :22 <sup>8</sup> :2	461 :585 463 :585 464 :59 468 :585 461 :582	1:05 <sup>1</sup> 3+ 1:11 <sup>2</sup> 4+ 1:11 <sup>9</sup> 3+ 1:04 <sup>6</sup> 3+ 1:10 <sup>3</sup> 3+	CL 30/20 MC 25/18 MC 25/18 MS 76 MC 75/42	6 7 4 6 2 3 6 6 6 6 5 5	4.8       6 3.2         4.1       5 3.6         1.5       2 1         4.1       5 3.2         2.7       5 4.1         1.7       3 1.1         3.5       4 4.5	34.5 52.2 11 32.5 34.5 22.5	33.8 41.9 11.5 21.8 35.8 22	9         8.5           7         7.6           7         0.6           8         2.8           9         8.2           8         5.8	88 80 82 80 83 80	5 94 5 94 4 78 7 79 6 86 6 74	72         7           65         14           72         7           69         10           65         14           72         7	158.7 156.2 158.4 157.7 156.3 158.4	<b>159.2</b> 156.2 158.2 157.6 157.7 158.8	35.4 5 58.3 9 36.5 6 44.3 8 61.4 10 38.2 7	
2 31 56 12Mar17 2FG 3 87 15Jan17 7FG 4 111 251 22Dec16 3FG 5 362 15Apr16 10OP 6 374 3Apr16 10P 7 398 215 10Mar16 7FG 8 613 8Aug15 8AP	my         5.5         :225         :           ft         6.0         :225         :           ft         6.0         :224         :           ft         5.5         :227         :           ft         6.0         :222         :           ft         6.0         :222         :           ft         6.0         :228         :           ft         6.0         :228         :           fm         8.0         T         :239         :	461 :585 463 :585 464 :59 468 :585 461 :582 466 :584	1:051 3+ 1:112 4+ 1:119 3+ 1:046 3+ 1:103 3+ 1:111 4+ 1:372 3+	CL 30/20 MC 25/18 MC 25/18 MS 76 MC 75/42 MS 44	6 7 4 6 2 3 6 6 6 6 5 5	4.8       6 3.2         4.1       5 3.6         1.5       2 1         4.1       5 3.2         2.7       5 4.1         1.7       3 1.1         3.5       4 4.5	34.5 52.2 11 32.5 34.5 22.5 44.6	33.8 41.9 11.5 21.8 35.8 22 41.9	9         8.5           7         7.6           7         0.6           8         2.8           9         8.2           8         5.8           6         6.5	88 80 82 80 83 80 86	5 94 5 94 4 78 7 79 6 86 6 74 3 86 4 86	72         7           65         14           72         7           69         10           65         14           72         7           72         7           72         7           73         6	158.7 156.2 158.4 157.7 156.3 158.4 <b>159.1</b>	<b>159.2</b> 156.2 158.2 157.6 157.7 158.8 159.1	35.4 5 58.3 9 36.5 6 44.3 8 61.4 10 38.2 7 34.1 4	

The single entry screens provide information about one horse, as opposed to the "field" screens that provide information for all horses in the race.

The upper section of the single entry screens are identical while the content of the lower section varies with the information being presented.

* The Ross Desktop - Regis	ration HRecords	
OP 1 Apr 12, 2017 8f Dirt CL15	000 3+ Purse: \$24,500 RC: 88 (CL 15 N2-L)	Post Time: 1:30 pm
Entries Analysis Tandems Tote NewPar	Paceline Tools / Card Summary	
1 2 3 4 5 6 7	8 9 10 11 12 13	4.5
3 Rapid Red	ch g 5 (Apr 2012) M/L: 3 APV 120 Win ITM P5 St W P S W% IM% Earm PP-3 Live Odds: 1.6 CR 2.13 /   P5 Life 11 1 4 3 9 73 49,	
J: 100 16 25 12 16 53 Santana Jr Ricardo T: 24 4 4 4 17 50 Robertson McLean O: Wolfe Racing LLC and Robertson, Hug	PL 1 S/D 1 0 1 0 0 100 5.	430 4.494 649 4.883 240 5.560 740 5.740 200 1.600
	city-PoR Energy PI/TR / TPR Primary Workouts Trip	200 1,600

Left portion:

- Program or saddle-cloth number;
- Horse's name;
- Horse's color, sex, age and month and year of birth;
- Post position;
- Jockey's name preceded by the jockey's record for the past thirty days in the following order -Starts, Wins, Places, Shows, Win percentage, In the Money percentage;
- Trainer's name preceded by the trainer's record for the past thirty days in the following order -Starts, Wins, Places, Shows, Win percentage, In the Money percentage; and
- Owner's name.

Center portion:

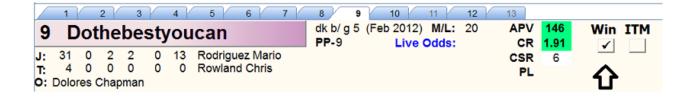
- Horse's Morning Line odds;
- Horse's Live Odds (if SuperTote enabled);
- Horse's Average Purse Value, Class Rating, Composite Speed Rating ranking, and ProfitLine ranking (all described on the "Entries" screen);
- Win and ITM check boxes (described on the following page); and
- Horse's Running Style with Quirin Speed Points.

Right portion:

- Horse's basic racing statistics for:
  - its lifetime;
  - o current year;
  - previous year;
  - $\circ$  on the same surface and at the same distance of today's race (S/D); and
  - o on a wet track.
- For each of the above, the statistics include:
  - $\circ$  number of Starts;
  - number of first (W), second (P) and third place (S) finishes;
  - horse's win percentage (W%);
  - horse's in the money percentage (IM%);
  - horse's earnings; and
  - horse's average earnings per start (EPS).

The "Win" and "ITM" check boxes enable the user to "group" horses into Primary Contenders, Secondary Contenders and Non-Contenders.

If a horse's "Win" box is checked, the horse is shown as a Primary Contender on all Field Analysis screens.



	Origina	P	Adjusted		Velocit	y-PoH	Velo
Orig	inal D	ata					
<b>V</b>	Last	Pgr #	n L	ine #	•		Dist
<b>V</b> 1	19	1	Big He	1	OP	ft	8.5
✓ 2	32	2	Trust	1	OP	ft	6.0
V 3	18	3	Rapid	1	OP	ft	6.0
🗸 4	18	4	Rarin	1	OP	ft	8.5
✓ 5	13	5	<u>Justin</u>	2	OP	ft	8.5
🗹 6	18	6	Pascha	2	OP	ft	8.5
7	17	7	Rippin	2	OP	ft	8.5
V 8	13	8	<u>Benedi</u>	2	OP	ft	8.5
V 9	24	9	Dotheb	<		ft	8.0
🔽 10	13	10	Plenti	1	OP	ft	8.5
🔽 11	13	12	Amaze	3	OP	ft	8.5

If a horse's "ITM" box is checked, the horse is shown as a Secondary Contender. (A horse can be "toggled" between Primary and Secondary Contender by right-clicking on the checkbox to the left.)

	1		2	3	3	4	Y	5	Y	6	7	Y	8	9		10	11	12	13			
9	D	ot	he	be	est	yo	bu	cai	n				dk b PP-9		(Feb	2012)		20			Win	ITM
J: T: O:	31 4 Dolore	0	2 0 Chap	0	c n					ez Ma d Chris									CSR PL			Û
										OP OP						<mark>1:13</mark> 1:17 <sup>6</sup>				/25 N2-L 5/25 N2-L		
			•	-			-			nders					107					o v ooo		
				11	24	9	Do	theb	1	OP	ft	8.0	) :2	49	:487	1:13 <sup>1</sup>	1:39	2 5G	SAsN	2-X C30		

If neither box is checked, the horse is shown as a Non-Contender.

1 2 3 4	5 6 7	8	9 10	11 1	13		
9 Dothebestyoud	an	dk b/ g <b>PP-</b> 9		)12) <b>M/L:</b> 2 ive Odds:	0 APV CR	146 Win 1.91	ITM
	Rodriguez Mario				CSR	6	•
T: 4 0 0 0 0 0 F O: Dolores Chapman	Rowland Chris				PL	Û	Û
<u>√</u>	9 13 10 <u>Plenti</u> 1 10 13 12 <u>Amaze</u> 3		ft 8.5	:236 :477	1:13		
	10 13 12 <u>Amaze</u> 3	S OP	π 8.5	:240 :51	1:176		
-	Non Contenders						
V	11 24 9 Dotheb 1	I OP	ft 8.0	:249 :487	1:13 <sup>1</sup>		

The Win and ITM checkboxes can be used for other purposes too, such as grouping horses by Running Style for comparison or "matching."

Origin Original I		1 Velo	city-PoH	Vel	ocity-PoR	Energ	iy Pi	MTR / TPR	s	egments Primary	BL/B		Rx			
✓ Las	Pgm t #	Line #		Dist	:226 1st	:46 2nd	3rd	1:109 Fin	X Age	Conditions	RS	Br	1st	2nd	Str	Fin
<ul> <li>✓ 1 53<sup>1</sup></li> <li>✓ 2 67<sup>1</sup></li> </ul>	<sup>5</sup> 1 <u>Dion</u> 3 3 <u>Rhythr</u>	1 OF <u>n</u> 1 OF			:21 <sup>9</sup> :22 <sup>5</sup>	:45 <sup>2</sup> :45 <sup>9</sup>	:57 <sup>3</sup> :58 <sup>2</sup>	1:09 <sup>6</sup> 1:10 <sup>9</sup>	5G 5G	CL c16/28 SA C16	E7 E4		2 <u>.hd</u> 2 .5	2 <u>hd</u> 2 <u>hd</u>	4 5.1 1 1.5	5 8.9DH 1_hd
	ondary Co						_									
✓ 3 17 ✓ 4 18	1A <u>Well N</u> 2 <u>Choir</u>	1 OF 2 OF			:22 <sup>2</sup> :21 <sup>7</sup>	:45 <sup>4</sup> :45 <sup>2</sup>	:577 :575	1:10 <sup>6</sup> 1:097	7G 5G	CL c15/25 OC 16/74 N1-X	P7 P3		32 52.2	3 3 3 1.5	3 5.1 4 1.1	5 4.5 4 5.3
<ul> <li>✓ 5 26</li> <li>✓ 6 341</li> </ul>	4 <u>Dr. Cl</u> 17 6 Medal	3 OF 1 OF	-		:21 <sup>9</sup> :21 <sup>7</sup>	:45 <sup>3</sup> :44 <sup>6</sup>	:584 :569	1:116	6G 5G	SA C20 SA C25	P4	7 3	4 2.1 7 4.3	4 3.1 4 3.1	5 3.6 3 3.5	3 5.3 3 1
<ul> <li>✓ 7 17</li> <li>✓ 8 18</li> </ul>	7 <u>Chip V</u> 8 Rojac			6.0	:22	:45	:57 <sup>2</sup> :57 <sup>5</sup>	1:098	4G 5G	CL 25/27 N2-L SA N2-6MX C16	Р5 Р1	1	4 2.1 4 5.5	5 3.6 5 5	47 53.7	4 9.3 3 3.5
	Contende			0.0			.07-	1.10		0/11/2-0/0/ 010		-	7	Ū-	0	<b>V</b>
✓ 9 31	5 <u>Bear's</u>		P ft	6.0	:21 <sup>9</sup>	:453	:576	1:10 <sup>6</sup>	7G	CL c10/24	SP1	7	<b>6</b> 3.2	3 2.5	3 5.5	<b>4</b> 4.5

The lower section of the "Original" screen displays traditional Equibase past performance information for the horse's last ten races (or all races if less than ten). For each race, there is a selected paceline checkbox, TrackMaster supplied data, the Adjusted Speed Rating, Pace of Horse and Pace of Race Total Energy ratings and the Perceptor Total. The fractional and final times are raw, unadjusted numbers.

Original	Adjusted Tandem	s Veloci	in anti-	Velocity-	100000	Energy	11000	IR/TPR Primary	Workouts	11/2													500
					1:129		X		F	EE	PP	SP	S U			Track	Mas	ter		PoH	PoR	Percept	
Days	Race Id	Dist	1st	2nd	3rd	Fin	Age	Conditions	Br	1st	2nd	Str	Fin	Fld	Odds	SRD	TV F	RC A	Adj. SR	TE	TE	Total	
1 18	25Mar17 2OP 2	ft 6.0	:219	:456	:58	1:104	3+	CL 25/27 N2-L	6	7 4.8	63.2	3 4.5	3 3.8	9	8.5	88	5	94	72 7	158.7	159.2	35.4 5	
2 31 5	6 12Mar17 2FG	my 5.5	:225	:461	:586	1:051	3+	CL 30/20	4	64.1	5 3.6	52.2	41.9	7	7.6	80	5	94 (	65 14	156.2	156.2	58.3 9	
3 87	15Jan17 7FG	ft 6.0	:225	:463	:585	1:112	4+	MC 25/18	2	3 1.5	21	11	1 1.5	7	0.6	82	-4	78	72 7	158.4	158.2	36.5 6	
4 111 2	51 22Dec16 3FG	ft 6.0	:224	:464	:59	1:119	3+	MC 25/18	6	64.1	5 3.2	3 2.5	2 1.8	8	2.8	80	7	79	69 10	157.7	157.6	44.3 8	
5 362	15Apr16 10OP	ft 5.5	:227	:468	:586	1:046	3+	MS 76	6	62.7	5 4.1	3 4.5	3 5.8	9	8.2	83	6	86 (	65 14	156.3	157.7	61.4 10	
6 374	3Apr16 1OP	ft 6.0	:222	:461	:582	1:103	3+	MC 75/42	5	5 1.7	3 1.1	2 2.5	22	8	5.8	80	-6	74	72 7	158.4	158.8	38.2 7	
7 398 2	15 10Mar16 7FG	ft 6.0	:228	:466	:584	1:111	4+	MS 44	2	5 3.5	4 4.5	44.6	41.9	6	6.5	86	3	86	72 7	159.1	159.1	34.1 4	
8 613	8Aug15 8AP	fm 8.0 [	T :239	:479	1:125	1:372	3+	MS 22	6	11 8.1	77.1	8 11	77.5	12	5.4	81	4	86	73 6	160.9	162.1	21.2 3	
9 641	11Jul15 5PrM	ft 8.3	:248	:50	1:144	1:435	3+	MS 29	2	21	21	22	2.5	8	1.9	83 -	13	78	790	163.2	163.2	0.0 1	
10662	20Jun15 6AP	ft 6.5	P :226	:458	1:11	1:177	3+	MS 24	7	79.1	7 10	68.1	21.5	10	14.5	83	-9	80	75 4	160.4	159.6	21.0 2	

<u>Projected Pace and Running Style buttons</u> - Located across the top of the lower section are two sets of buttons. The first allows the user to set the projected pace of the race. The second allows the user to change the horse's designated Running Style.

Right-click on the time to set the Projected Pace for that race segment.

ly-PoH	Velocity	-PoR	Energy	РМТ	R / TPR Prim	ary Worko	uts	Trip			
				X			F	EE	PP	SP	S U
1s	t 2nd	3rd	Fin	Age	Conditions		Br	1st	2nd	Str	Fin
:22	<sup>5</sup> :45 <sup>9</sup>	:582	1:10 <sup>9</sup>	4+	SA C16		1	2.5	2 <u>hd</u>	1 1.5	1 hd
:22	<sup>6</sup> : <b>45</b> <sup>5</sup>	1:115	1:446	4+	SO C20		2	2 <u>hd</u>	2 <u>hd</u>	<b>9</b> 18	9 29
:24	1 : <b>4_</b> ¶9	1:121	1:431	3+	AL 60 N1-X		8	11	1.5	1 1.5	1.8
:23	<sup>9</sup> :48 <sup>3</sup>	1:125	1:36 <sup>9</sup>	3+	SA C10		1	11	1 1.5	1 4.5	1 4.8
:23	2 :46	1:10 <sup>1</sup>	1:23	3+	SA C10		5	2.5	1 <u>hd</u>	12	1 2.5
ity-PoH	VEIDOR	PoR	Energy	PM1	rr/TPR Prim	nary Worke	outs	Trip			
	:459			X			F	EE	PP	SP	S U
1s	st 2nd	/ 3rd	Fin	Age	Conditions		Br	1st	2nd	Str	Fin
:22	25 :459	:582	1:109	4+	SA C16		1	2.5	2 hd	1 1.5	1 hd

:226       :450       1:115       1:446       4+       SO C20       2       2hd       918       929         :241       :479       1:121       1:431       3+       AL 60 N1-X       8       11       1.5       11.5       1.8         :239       :483       1:125       1:369       3+       SA C10       1       11       1.5       14.5       14.8	- 1	225	:459	:582	1:10 <sup>9</sup>	4+	SA C16	1	2.5	2 <u>hd</u>	1 1.5	1 hd
:23 <sup>9</sup> :48 <sup>3</sup> 1:12 <sup>5</sup> 1:36 <sup>9</sup> 3+ SA C10 1 1 <sup>1</sup> 1 <sup>1.5</sup> 1 <sup>4.5</sup> 1 <sup>4.8</sup>	:	226	:455	1:115	1:446	4+	SO C20	2	2 <u>hd</u>	2 <u>hd</u>	<b>9</b> 18	<b>9</b> 29
		241	:479	1:121	1:43 <sup>1</sup>	3+	AL 60 N1-X	8	11	1.5	1 1.5	1.8
	:	23 <sup>9</sup>	:48 <sup>3</sup>	1:125	1:36 <sup>9</sup>	3+	SA C10	1	11	1 1.5	1 4.5	1 4.8
:23 <sup>2</sup> :46 1:10 <sup>1</sup> 1:23 3+ SA C10 5 2.5 1.hd 12 12.5	:	<b>23</b> 2	:46	1:101	1:23	3+	SA C10	5	2.5	1 <u>hd</u>	12	1 2.5

You can adjust the projected pace with a mouse click.

				1		、 、
≀amon / hris	A Ch	ange 2	nd Cal	l Proj	ected Pace	
	Lef	t-click -S	LOWER			L
-PoH	v Rig	ht-click -	FASTER			ary
	:450			X		
1st	2nd	3rd	Fin	Age	Conditions	
:225	:459	:582	1:10 <sup>9</sup>	4+	SA C16	
:226	:455	1:115	1:446	4+	SO C20	
:241	:479	1:121	1:431	3+	AL 60 N1-X	
:23 <sup>9</sup>	: <b>48</b> 3	1:125	1:36 <sup>9</sup>	3+	SA C10	
:232	:46	1:101	1:23	3+	SA C10	

Projected times can be set and adjusted for all segments. Note highlighting for previous races which helps identify comparable or faster times. Projected times can be cleared by clicking the "X" button.

-Вон	Vetosity	PoR	Energy	PMT	R / TPR Primary	Workouts	Trip			
:226	:46		1:109			F	EE	PP	SP	S U
1st	2nd	3rd	Fip	Age	Conditions	Br	1st	2nd	Str	Fin
:225	:459	:582	1:10 <sup>9</sup>	4+	SA C16	1	2.5	2 hd	1 1.5	1 hd
:226	:455	1:115	1:446	4+	SO C20	2	2 <u>hd</u>	2 <u>hd</u>	<b>9</b> 18	929
:241	:479	1:121	1:431	3+	AL 60 N1-X	8	11	1.5	1 1.5	1.8
:23 <sup>9</sup>	: <b>48</b> 3	1:125	1:36 <sup>9</sup>	3+	SA C10	1	11	1 1.5	1 4.5	1 4.8
:232	:46	1:10 <sup>1</sup>	1:23	3+	SA C10	5	2.5	1_hd	12	1 2.5

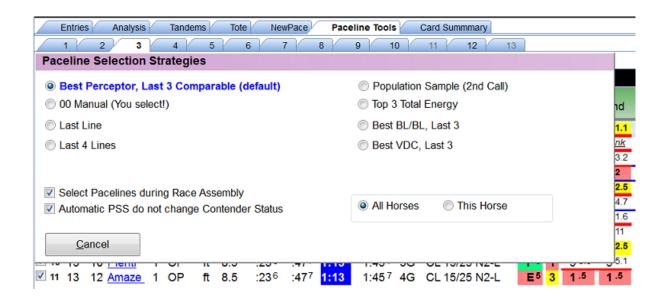
To change a horse's Running Style, click the appropriate Running Style button.

APV CR CSR	120 2.13 5	_ •	Vin IT	M	EP <sup>5</sup>	APV CR CSR	120 2.13 5		Vin I1	<b>M</b>	P <sup>5</sup>
PL Work	1 2 kouts	Trip	Ŷ			PL Wor	1 2 kouts	Trip			Û
	F Br	E E 1st	PP 2nd	SP Str	S U Fin	I	Br	EE 1st	PP 2nd	SP Str	S U Fin
	6	7 4.8	6 <sup>3.2</sup>	<mark>3 4.5</mark>	<u>3 3.8</u>		6	7 4.8	6 <sup>3.2</sup>	3 4.5	3 <u>3.8</u>
	4	6 4.1	<b>5</b> 3.6	52.2	<b>4</b> 1.9		4	6 <sup>4.1</sup>	5 <sup>3.6</sup>	52.2	<b>4</b> 1.9
	2	3 1.5	21	11	1 1.5		2	3 1.5	21	11	1 1.5
	6	6 4.1	5 3.2	3 2.5	2 1.8		6	6 4.1	5 3.2	3 2.5	2 1.8
	6	6 2.7	5 4.1	3 4.5	3 5.8		6	6 2.7	5 4.1	3 4.5	3 5.8
	5	5 1.7	3 1.1	2 2.5	22		5	5 1.7	3 1.1	2 2.5	22

<u>Paceline checkbox</u> - Located to the left of each race, this column of checkboxes allows the user to manually select the race that will be analyzed and displayed on the field analysis screens. Multiple pacelines can be selected by holding down the Ctrl key and checking more than one box. All pacelines can be selected using the checkbox at the top of the column.

Entries Analysis Tande	Entries Analysis Tande
J: 101 15 11 11 15 37 T: 17 1 1 3 6 29 O: Southwest Racing Stables Original Adjusted Tandem	J: 101 15 11 11 15 37 T: 17 1 1 3 6 29 O: Southwest Racing Stables Original Adjusted Tandem
Days         Race Id           1         18         25Mar17         5OP           2         32         11Mar17         5OP           3         52         19Feb17         3OP           4         73         49         29Jan17         4OP           5         122         11Dec16         3RP           6         132         1Dec16         1RP           7         154         40         9Nov16         3RP           8         194         30Sep16         1RP           9         214         10Sep16         5Cby           10236         19Aug16         3Cby	Image: Race Id       Race Id         Image: Imag

Automatic paceline selection is controlled with the Paceline Tools screen, which provides multiple options (including "00 Manual" that deselects all races).



Days - Number of days since last race and the interval or number of days since previous race.

The following nineteen columns present traditional past performance information for the horse's most recent races, up to a maximum of ten.

#### TrackMaster Supplied Ratings

- <u>SR</u> TrackMaster's Speed Rating, from which Inter-Track Variants are extracted, used to adjust the running times in all Sartin download programs. It's the horse's final time adjusted by:
   a) Daily Track Variant (how fast/slow that day's surface was);
  - b) Inter Track variant (how fast or slow each surface is relative to a universal norm); andc) horse's speed rating (compared to the 'par' for that track/distance/surface).
- <u>DTV</u> Daily Track Variant of the selected paceline race. (RDSS has a feature available on the 'Config' screen to 'smooth out the extremes' for very slow and very fast races, e.g. + 15, so that the final times aren't adjusted unreasonably.)
- <u>RC</u> Race Class, a composite of the most recent *final time* Speed Ratings of all the horses in the selected paceline race. (It's included for reasons of historical continuity as it was in some Sartin programs, but Dr. Sartin did not use it and Ted recommends that it be ignored <u>except</u> that is useful for rating Foreign Shippers, as this TimeForm International Rating can be used to compare foreign races' relative Class Levels with all other horses, typically at the Breeders' Cup!)

Adj SR - Adjusted Speed Rating, computed by RDSS using internal formulas and includes:

- Final time component;
- Distance adjustment to today's distance (if necessary);
- TrackMaster's Daily Track Variant (DTV) adjustment (controlled on the Config screen); and
- TrackMaster's Inter-Track Variant (ITV) adjustment.

Note: The Adjusted SR is <u>not</u> the same as the TrackMaster SR and does not include adjustments for:

- 'class' as determined by earnings or in-the-money consistency (i.e. elements of APV and CR);
- race conditions or caliber of race (race class levels, non-winner conditions, etc);
- 'track class' or relative level of purse structures or perceived abilities of horses who race at different race tracks or circuits; or
- incremental race segment components (e.g. 'pace' time ratings, fractional ratings).

It is strictly based on adjusted final time, and as such will have a direct one-to-one rank relationship with Total or 'True' Speed (TS) which is the velocity equivalent of the Adjusted Speed Rating (i.e. the rankings of these two readouts would be identical). <u>http://paceandcap.com/forums/archive/index.php?t-8004.html</u>

PoH TE - Pace of Horse Total Energy, refers to the Total Energy of the horse and is the sum of the 3 fractional velocities, i.e. F1 + F2 + F3 = Total Energy.

PoR TE - Pace of Race Total Energy, refers to the Total Energy of the race's frontrunner and is the sum of the 3 fractional velocities of the frontrunner, i.e. F1 + F2 + F3 = Total Energy.

Percept Total - Perceptor Total, derived from the 7 Primary Factors that comprise the Line Score (see Primary screen below) and indicates the percentage deviation for each race from the horse's best race, expressed as "0.0".

#### Additional functionality

PR Primary	Workouts	Trip						
nditions	F Br	EEE 1st	PP 2nd	SP Str	S U Fin		Odds	Trac SRI
25/27 N2-L	6	7 4.8	<b>6</b> 3.2	3 4.5	3	turn 24	/1/4,edgd	clr B
30/20	4	6 <sup>4.1</sup>	<b>5</b> 3.6	52.2	4	turn,sw	/1/4,eugu	<u>ر "</u>
25/18	2	3 1.5	21	11	1 1.5	7	<u>0.6</u>	82
25/18	6	6 4.1	5 3.2	3 2.5	2 1.8	8	2.8	80
76	6	6 2.7	5 4.1	3 4.5	3 5.8	9	8.2	83
75/42	5	5 1.7	3 1.1	2 2.5	22	8	5.8	80
44	2	5 3.5	4 4.5	4 4.6	41.9	6	6.5	86
22	6	11 <sup>8.1</sup>	7 7.1	8 11	77.5	12	5.4	81
29	2	21	21	22	2.5	8	1.9	83
24	7	7 9.1	7 10	6 <sup>8.1</sup>	2 1.5	10	14.5	83
R Primary	Workouts	Trip						
bobble start,m	uld bid							
angld in1/8,ch								
2p turn,3w1/4								
bmp brk,2p tu								
winp wint the ru	in, anglea							

If you hover the mouse pointer over the Fin (Final) column of a race, Trip notes will appear in a popup.

Also in the Final column, if the Beaten Lengths are underlined, it means there was some trouble in the running line.

SP Str	S II	blo sta	nt,mild bi	<b>Track</b>
3 4.5	3 3.8	9	8.5	88
52.2	<b>4</b> 1.9	7	7.6	80
11	1 <sup>1.5</sup>	7	<u>0.6</u>	82

You can see at a glance if a paceline is possibly excusable because of the trouble. If the line was still "good," perhaps it deserves extra consideration.

The "Configure PP Panel" icon is located on the right-hand side of all Single Entry screens.

		St	W	Р	S	W%	IM%	Ea	rnings	EPS	
2	Life 2017 2016 S/D Wet	11 34 1 2	1 1 0 0	4021 0	3 1 1 0 1	9 33 0 0	73 67 75 100 50	1 2	9,430 4,649 2,240 5,740 3,200	4,494 4,883 5,560 5,740 1,600	₽
									14		0 .
Fld	Odd		Trac SRI			• Adj.	SR	PoH	PoR	Percept Total	
9	8.5	5	88	5	94	72	2 7	158.7	159.2	35.4 5	
7	7.6	5	80	5	94	65	14	156.2	156.2	58.3 9	
7	0.6	5	82	-4	78	72	2 7	158.4	158.2	36.5 6	
8	2.8		80	7	79	69	10	157.7	157.6	44.3 8	

It allows the user to change the "Tab" and "Panel" layouts.

	St	W	Ρ	S	W%	IM%	Earni	ngs	EP	S
Life 2017 2016	11 3 4	1	402	3	9 33 0	73 67 75	49.4 14.0 22	649	4,49	3
S/D		ab	Lay	out						
Wet	v	isib	le?	Or	der	Name	1	Panel	Layou	ıt
	-	V		10	*	Original		© 2 PF	P + 1 A	nalysis
		~			*	Adjusted		A 1 P	D + 1 4	nalysis
	-	V			*	Tandems				andrysic
		~			÷	Velocity-P		2 PF	<sup>o</sup> only	
		~			× ×	Velocity-P	PoR	C 1 PF	P only	
		~				Energy PMTR / T	DR			
		V			¥ A	Primary	FIX	Updat	te	Close
		V			-	Workouts		<u> </u>	_ (	
		1		100		Trip				

3.6

#### Tandems

)P	1 Ap	r 12, 2017	8f D	irt C	L1500	0 3+	Purse	: \$24	,500 RC: 88	(CL 1	5 N2-L	)										Po	st Time:	1:30 p
	Entries	Analysis Tar	dems Tot	e Ne	ewPace	Pac	eline Tools	s (	Card Summmary															
	1	2 3 4	5	6	7	8	9	10	11 12	13														4
3	Dar	oid Red			(	hg 5	(Apr 20	12)	M/L: 3	APV	120	Wir	ITM			St	W	PS	W%	IM%	Ea	rnings	EPS	
10	00 16				do	PP-3		Live	Odds: 1.6	CR CSR	2.13 5	1		P <sup>5</sup>	Life 2017 2016	11 3 4	1 1 0	4 3 0 1 2 1	9 33 0	73 67 75	1	9,430 4,649 2,240	4,494 4,883 5,560	
		cing LLC and Ro			an					PL	1				S/D Wet	12	0	1 0 1	0	100		5,740 3,200	5,740	
W		and the second	bertson, Hu	g	Velocity	PoR	Energy	PMI	R / TPR Primary		2	Trip				1 2	0	1 0 0 1	00	100 50		5,740 3,200	5,740 1,600	Ø ·
W	olfe Ra	cing LLC and Ro	bertson, Hu	g		PoR 3rd	100		Conditions		2	10	d Str	Fin			Frack	1 0 0 1 Master		50	PoH TE	3,200	5,740 1,600 Percept Total	ô.
W	olfe Ra	cing LLC and Ro Adjusted Tando	bertson, Hu ms Veloci	g Iy-PoH	Velocity	listes.	100	Age			2 outs	10	d Str	Fin	Wet		Frack SRD	Master	Adj	50	PoH	3,200	1,600 Percept	Ô

This screen displays prior races where the horse has competed against another horse or horses entered in today's race. Tandems are an element of Jim Bradshaw's "Match Up" approach. All data is assembled from other screens, primarily the Analysis/Original with one column each from the Analysis/Velocity-PoH and Analysis/Velocity-PoR, and will be described on those screens.

The "Adjusted" data can be toggled on or off.

TrackMaster SRDTV RC	Auj. SI	R	PoH TE	PoR TE	Percept Total
7 81				450.5	
79	Shov	w/Hi	de Adjuste	d Data	
78	72	7	159.5		1
68	66	13	156.6		
54	57	22	155.2		

# Analysis/Adjusted

/	1	2/3/1/	5	7	V 8	9	10	44	12	13											
	00 16 24 4		Santana J Robertsor	r Ricard McLea	ch g PP-	5 (Apr 2		M/L: Odds:	3	APV 1 CR 2. CSR PL	20 13 5 1	Win		P	5 Life 2017 2016 S/D Wet	St 11 3 4 1 2	W P 1 4 1 0 2 0 0 1 0 0	3 1 1 0	W% 9 33 0 0	IM% 73 67 75 100 50	Earning 49,43 14,64 22,24 5,74 3,20
	Original	Adjusted Tandem	s Velocit		Velocity-PoP	Energy	РМТ	R/TPR	Primary	Workout	-	rip			Wet	2	0 0		U	00	0,2
	_				1000	-		Beaten	Length	s	Adj	TrkM						-			
	Days	Race Id	Dist	1st	2nd	Final	1st	2nd	Str	Final	SŔ	SR-L	TV = SR	RC	Conditions			Con	nment	S	
1	Days 18	Race Id 25Mar17 2OP	Dist ft 6.0	1st :466	2nd	Final 1:381	1st 4.8	2nd 3.2	Str 4.5	Final	72	88	5 83		Conditions CL 25/27 N2	-L				s art,mild b	id
1						1000		and the same				-		94		-L		bob	ble st		
1 2	18	25Mar17 20P	ft 6.0	:466	1:122	1:381	4.8	3.2	4.5	3.8 1.9	72	88 80	5 83	94 94	CL 25/27 N2	-L		bobl	ble st	art,mild b	late
1 2 3	18 31	25Mar17 2OP 12Mar17 2FG	ft 6.0 my 5.5	:46 <sup>6</sup> :47	<b>1:12<sup>2</sup></b> 1:13	1:381 1:398	4.8 4.1	3.2 3.6	<b>4.5</b> 2.2	3.8	72 65	88 80	5 83 5 75	94 94 78	CL 25/27 N2 CL 30/20	-L		bobl ang 2p t	ble sti Id in1 urn,3	art,mild b /8,chckd	late d cir
1 2 3 4	18 31 87	25Mar17 2OP 12Mar17 2FG 15Jan17 7FG	ft 6.0 my 5.5 ft 6.0	:46 <sup>6</sup> :47 :47 <sup>1</sup>	1:12 <sup>2</sup> 1:13 1:12 <sup>8</sup>	1:381 1:398 1:388	4.8 4.1 <b>1.5</b>	3.2 3.6 1	4.5 2.2 0	3.8 1.9 0	72 65 72	88 80 82	5 83 5 75 -4 86	94 94 78	CL 25/27 N2 CL 30/20 MC 25/18	-L		bobl ang 2p t bmp	ble sti ld in1/ urn,3v brk,2	art,mild b /8,chckd w1/4,edg	late d cir ngled
1 2 3 4 5	18 31 87 111	25Mar17 2OP 12Mar17 2FG 15Jan17 7FG 22Dec16 3FG	ft 6.0 my 5.5 ft 6.0 ft 6.0	:46 <sup>6</sup> :47 :47 <sup>1</sup> :46 <sup>9</sup>	1:12 <sup>2</sup> 1:13 1:12 <sup>8</sup> 1:12 <sup>7</sup>	1:38 <sup>1</sup> 1:39 <sup>8</sup> 1:38 <sup>8</sup> 1:39	4.8 4.1 <b>1.5</b> 4.1	3.2 3.6 1 3.2	4.5 2.2 0 2.5	3.8 1.9 0 1.8	72 65 72 69	88 80 82 80	5 83 5 75 -4 86 7 73	94 94 78 79 86	CL 25/27 N2 CL 30/20 MC 25/18 MC 25/18	-L		bobl ang 2p t bmp ang	ble sta Id in1/ urn,3v brk,2 Ied3w	art,mild b /8,chckd w1/4,edg 2p turn,ar	late d cir ngled h top2
1 2 3 4 5 6	18 31 87 111 362	25Mar17 2OP 12Mar17 2FG 15Jan17 7FG 22Dec16 3FG 15Apr16 10OP	ft 6.0 my 5.5 ft 6.0 ft 6.0 ft 5.5	:46 <sup>6</sup> :47 :47 <sup>1</sup> :46 <sup>9</sup> :47	<b>1:12<sup>2</sup></b> 1:13 1:12 <sup>8</sup> 1:12 <sup>7</sup> 1:13 <sup>4</sup>	1:38 <sup>1</sup> 1:39 <sup>8</sup> 1:38 <sup>8</sup> 1:39 1:39	4.8 4.1 <b>1.5</b> 4.1 2.7	3.2 3.6 1 3.2 4.1	4.5 2.2 0 2.5 4.5	3.8 1.9 0 1.8 5.8	72 65 72 69 65	88 80 82 80 83	5 83 5 75 -4 86 7 73 6 77	94 94 78 79 86 74	CL 25/27 N2 CL 30/20 MC 25/18 MC 25/18 MS 76	-L		bobl angl 2p t bmp angl clos	ble sti Id in1, urn,3v brk,2 led3w er rail	art,mild b /8,chckd w1/4,edg 2p turn,ar v,no matc	late d clr ngled h top2 ch
1 2 3 4 5 6 7	18 31 87 111 362 374	25Mar17 20P 12Mar17 2FG 15Jan17 7FG 22Dec16 3FG 15Apr16 100P 3Apr16 10P 10Mar16 7FG	ft 6.0 my 5.5 ft 6.0 ft 6.0 ft 5.5 ft 6.0	:46 <sup>6</sup> :47 :47 <sup>1</sup> :46 <sup>9</sup> :47 :47 <sup>1</sup> :47 <sup>3</sup>	<b>1:122</b> 1:13 1:12 <sup>8</sup> 1:12 <sup>7</sup> 1:13 <sup>4</sup> 1:13	1:38 <sup>1</sup> 1:39 <sup>8</sup> 1:38 <sup>8</sup> 1:39 1:39 1:38 <sup>5</sup>	4.8 4.1 <b>1.5</b> 4.1 2.7 1.7	3.2 3.6 1 3.2 4.1 1.1	4.5 2.2 0 2.5 4.5 2.5	3.8 1.9 0 1.8 5.8 2	72 65 72 69 65 72	88 80 82 80 83 80	5 83 5 75 -4 86 7 73 6 77 -6 86	94 94 78 79 86 74	CL 25/27 N2 CL 30/20 MC 25/18 MC 25/18 MS 76 MC 75/42	-L		bobl ang 2p t bmp ang clos insid	ble sta Id in 1 urn, 3 brk, 2 led 3 w er rail	art,mild b /8,chckd w1/4,edg 2p turn,ar y,no matc I, no matc	late d clr ngled h top2 ch out
	18 31 87 111 362 374 398	25Mar17 2OP 12Mar17 2FG 15Jan17 7FG 22Dec16 3FG 15Apr16 10OP 3Apr16 10P	ft 6.0 my 5.5 ft 6.0 ft 5.5 ft 6.0 ft 6.0 ft 6.0	:46 <sup>6</sup> :47 :47 <sup>1</sup> :46 <sup>9</sup> :47 :47 <sup>1</sup> :47 <sup>3</sup>	1:12 <sup>2</sup> 1:13 1:12 <sup>8</sup> 1:12 <sup>7</sup> 1:13 <sup>4</sup> 1:13 1:13	1:38 <sup>1</sup> 1:39 <sup>8</sup> 1:38 <sup>8</sup> 1:39 1:39 1:38 <sup>5</sup> 1:38 <sup>4</sup>	4.8 4.1 <b>1.5</b> 4.1 2.7 1.7 3.5	3.2 3.6 1 3.2 4.1 1.1 4.5	4.5 2.2 0 2.5 4.5 2.5 4.6	3.8 1.9 0 1.8 5.8 2 1.9	72 65 72 69 65 72 72 72	88 80 82 80 83 80 86 86	5 83 5 75 -4 86 7 73 6 77 -6 86 3 83	94 94 78 79 86 74 86 86	CL 25/27 N2 CL 30/20 MC 25/18 MC 25/18 MS 76 MC 75/42 MS 44	-L		bobl ang 2p t bmp ang clos insid	ble sta ld in1) urn,3\ brk,2 led3w er rail de turn l early	art,mild b /8,chckd w1/4,edg 2p turn,ar y,no matc I, no matc n,moved	late d clr ngled h top2 ch out

This screen displays the horse's last races, up to a maximum of ten, with the fractional and final times <u>adjusted</u> by the TrackMaster supplied DTV and ITV. If today's race is a different distance and/or surface, those fractional and final times are also adjusted or "equalized" to make them consistent with today's distance and surface.

Note - With the tabbed screens to the right of the 'Original' screen, all factors and numbers are adjusted and equalized. The only raw data is on the Original, Tandems, Workouts and Trip information. Otherwise, nothing is raw unless the user has changed the default settings on the 'Configure' screen (not recommended).

Also displayed on this screen is an 'Adj SR' and a TrackMaster 'Net SR' with calculation.

Adj SR - Adjusted Speed Rating, computed by RDSS using internal formulas and includes:

- 1. Final time component;
- 2. Distance adjustment to today's distance (if necessary);
- 3. TrackMaster's Daily Track Variant (DTV) adjustment (controlled on the Config screen); and
- 4. TrackMaster's Inter-Track Variant (ITV) adjustment

<u>TrackMaster Net SR</u> - "In Validator and Speculator, the TM SR shown is the Net SR, i.e. original TM SR minus DTV. Erring on the side of completeness, I show it all." Quote from Ted. <u>http://paceandcap.com/forums/archive/index.php?t-2639.html</u>

Note: TrackMaster data displayed on RDSS screens is for reference/informational purposes only and not for use in handicappin g. Exception: Foreign Horses can be rated on their RC Class levels and TrackMaster SR (TimeForm International SR) relative to the same figures for the rest of the field (useful for Breeders' Cup races).

# Analysis/Velocity-PoH

3	Rap	id Dod				9 10	11	12	13							
4		nu keu			ch g 5 PP-3	(Apr 201	2) M/L Live Odds	A CONTRACTOR OF		120	Win ITN ✓	1	P 5		-	<b>St</b> 11
	24 4	25 12 16 53 4 4 17 50 cing LLC and Rot Adjusted Tande		n McLear 9		Energy	PMTR / TPF	R Primar	CSR PL Workd	5 1 2 puts Trip					17 16 /D /et	3412
a la	Days	Race Id			Total hergy #	F1#	F2#	elocity (f, F3 #		TS#	DCL#	Ene F1	F2	%) %Med	ESP	F3
1	18	25Mar17 20P	ft 6.0	72	158.7 5	55.8 1	52.1 4	50.8 <sup>8</sup>	54.51	53.54	93.29	35.2	32.8	68.0	SP	32.0
2	31	12Mar17 2FG	my 5.5	65	156.210	55.4 5	50.9 <sup>9</sup>	49.810	53.88	52.8 <sup>9</sup>	92.510	35.5	32.6	68.1	SP	31.
	31 87	15Jan17 7FG	ft 6.0	72	158.46	55.8 1	51.5 <sup>5</sup>	51.1 6	54.3 2	53.45	94.17	35.2	32.5	67.8	SP SP	31. 32.
3	87 111	15Jan17 7FG 22Dec16 3FG	ft 6.0 ft 6.0	72 69	158.4 <sup>6</sup> 157.7 <sup>8</sup>	55.8 <sup>1</sup> 55.6 <sup>4</sup>	51.5 <sup>5</sup> 51.5 <sup>6</sup>	51.1 <sup>6</sup> 50.6 <sup>9</sup>	54.3 <sup>2</sup> 54.1 <sup>4</sup>	53.4 <sup>5</sup> 53.2 <sup>7</sup>	94.1 <sup>7</sup> 93.6 <sup>8</sup>	35.2 35.2	32.5 32.6	67.8 67.9	SP SP SP	31. 32. 32.
3 4	87 111 362	15Jan17 7FG 22Dec16 3FG 15Apr16100P	ft 6.0 ft 6.0 ft 5.5	72 69 65	158.4 <sup>6</sup> 157.7 <sup>8</sup> 156.3 <sup>9</sup>	55.8 <sup>1</sup> 55.6 <sup>4</sup> 55.7 <sup>3</sup>	51.5 <sup>5</sup> 51.5 <sup>6</sup> 49.6 <sup>10</sup>	51.1 <sup>6</sup> 50.6 <sup>9</sup> 51.0 <sup>7</sup>	<b>54.3 <sup>2</sup></b> <b>54.1 <sup>4</sup></b> 53.5 <sup>10</sup>	53.4 <sup>5</sup> 53.2 <sup>7</sup> 52.9 <sup>8</sup>	94.1 <sup>7</sup> 93.6 <sup>8</sup> 95.4 <sup>5</sup>	35.2 35.2 35.6	32.5 32.6 31.7	67.8 67.9 67.4	SP SP SP S	31. 32. 32. 32.
4 5	87 111 362 374	15Jan17 7FG 22Dec16 3FG 15Apr16 10OP 3Apr16 10P	ft 6.0 ft 6.0 ft 5.5 ft 6.0	72 69 65 72	158.4 <sup>6</sup> 157.7 <sup>8</sup> 156.3 <sup>9</sup> 158.4 <sup>7</sup>	55.8 1 55.6 4 55.7 3 55.8 2	51.5 <sup>5</sup> 51.5 <sup>6</sup> 49.6 <sup>10</sup> 51.2 <sup>7</sup>	51.1 <sup>6</sup> 50.6 <sup>9</sup> 51.0 <sup>7</sup> 51.5 <sup>5</sup>	54.3 <sup>2</sup> 54.1 <sup>4</sup> 53.5 <sup>10</sup> 54.1 <sup>3</sup>	53.4 <sup>5</sup> 53.2 <sup>7</sup> 52.9 <sup>8</sup> 53.4 <sup>6</sup>	94.1 <sup>7</sup> 93.6 <sup>8</sup> 95.4 <sup>5</sup> 95.1 <sup>6</sup>	35.2 35.2 35.6 35.2	32.5 32.6 31.7 32.3	67.8 67.9 67.4 67.5	SP SP SP	31. 32. 32. 32. 32.
3 4 5	87 111 362	15Jan17 7FG 22Dec16 3FG 15Apr16100P	ft 6.0 ft 6.0 ft 5.5	72 69 65 72	158.4 <sup>6</sup> 157.7 <sup>8</sup> 156.3 <sup>9</sup>	<b>55.8</b> 1 <b>55.6</b> 4 <b>55.7</b> 3 <b>55.8</b> 2 <b>55.2</b> 6	51.5 <sup>5</sup> 51.5 <sup>6</sup> 49.6 <sup>10</sup>	51.1 <sup>6</sup> 50.6 <sup>9</sup> 51.0 <sup>7</sup>	<b>54.3</b> <sup>2</sup> <b>54.1</b> <sup>4</sup> 53.5 <sup>10</sup> <b>54.1</b> <sup>3</sup> 53.7 <sup>9</sup>	53.4 <sup>5</sup> 53.2 <sup>7</sup> 52.9 <sup>8</sup>	94.1 <sup>7</sup> 93.6 <sup>8</sup> 95.4 <sup>5</sup>	35.2 35.2 35.6	32.5 32.6 31.7	67.8 67.9 67.4 67.5 66.8	SP SP SP S	31. 32. 32. 32. 32. 33.
3 4 5 6 7	87 111 362 374	15Jan17 7FG 22Dec16 3FG 15Apr16 10OP 3Apr16 10P	ft 6.0 ft 6.0 ft 5.5 ft 6.0	72 69 65 72 72	158.4 <sup>6</sup> 157.7 <sup>8</sup> 156.3 <sup>9</sup> 158.4 <sup>7</sup>	55.8 1 55.6 4 55.7 3 55.8 2	51.5 <sup>5</sup> 51.5 <sup>6</sup> 49.6 <sup>10</sup> 51.2 <sup>7</sup>	51.1 <sup>6</sup> 50.6 <sup>9</sup> 51.0 <sup>7</sup> 51.5 <sup>5</sup> 52.8 <sup>4</sup> 53.1 <sup>2</sup>	54.3 <sup>2</sup> 54.1 <sup>4</sup> 53.5 <sup>10</sup> 54.1 <sup>3</sup>	53.4 <sup>5</sup> 53.2 <sup>7</sup> 52.9 <sup>8</sup> 53.4 <sup>6</sup>	94.1 <sup>7</sup> 93.6 <sup>8</sup> 95.4 <sup>5</sup> 95.1 <sup>6</sup>	35.2 35.2 35.6 35.2	32.5 32.6 31.7 32.3	67.8 67.9 67.4 67.5	SP SP SP S	31. 32. 32.
2 3 4 5 6 7 8 9	87 111 362 374 398	15Jan17 7FG 22Dec16 3FG 15Apr16 10OP 3Apr16 10P 10Mar16 7FG	ft 6.0 ft 6.0 ft 5.5 ft 6.0 ft 6.0 ft 6.0 ft 8.0	72 69 65 72 72 72	158.4 <sup>6</sup> 157.7 <sup>8</sup> 156.3 <sup>9</sup> 158.4 <sup>7</sup> <b>159.1</b> 4	<b>55.8</b> 1 <b>55.6</b> 4 <b>55.7</b> 3 <b>55.8</b> 2 <b>55.2</b> 6	51.5 <sup>5</sup> 51.5 <sup>6</sup> 49.6 <sup>10</sup> 51.2 <sup>7</sup> 51.0 <sup>8</sup>	51.1 <sup>6</sup> 50.6 <sup>9</sup> 51.0 <sup>7</sup> 51.5 <sup>5</sup> 52.8 <sup>4</sup>	<b>54.3</b> <sup>2</sup> <b>54.1</b> <sup>4</sup> 53.5 <sup>10</sup> <b>54.1</b> <sup>3</sup> 53.7 <sup>9</sup>	53.4 <sup>5</sup> 53.2 <sup>7</sup> 52.9 <sup>8</sup> 53.4 <sup>6</sup> 53.5 <sup>4</sup>	94.1 <sup>7</sup> 93.6 <sup>8</sup> 95.4 <sup>5</sup> 95.1 <sup>6</sup> 98.3 <sup>3</sup>	35.2 35.2 35.6 35.2 34.7	32.5 32.6 31.7 32.3 32.1	67.8 67.9 67.4 67.5 66.8	SP SP SP S S L	31. 32. 32. 32. 32. 33.

PoH means "Pace of the Horse" and this screen displays the horse's velocity and energy ratios from its last races, up to a maximum of ten.

The number sign (#) in some of the column headers throughout the software denotes a ranking column for the adjacent rating. Additional information on the PoH screen includes the following:

<u>SR</u> - RDSS Adjusted Speed Rating described in the previous screen.

<u>Total Energy</u> - Total Energy (TE), refers to the Total Energy of the horse and is the sum of the 3 fractional velocities of the horse itself, i.e. F1 + F2 + F3 = Total Energy.

Velocity (fps) - this section contains the horse's velocity, measured in feet per second, for the following:

- F1 First fraction of the race, two furlongs in a sprint, four furlongs in a route.
- F2 Second fraction, the middle two furlongs of the race.
- F3 Third fraction, the final segment of the race, which varies depending on the distance.
- SC Second call or Early Pace, the average of F1 and F2.
- TS True or Total Speed, velocity for the race, i.e. total distance in feet / final time.
- DCL Deceleration, third fraction velocity divided by second call velocity, i.e. F3 / SC

Energy % - this section contains five data elements all pertaining to Energy:

- F1 Percentage of Total Energy expended in first fraction, i.e. F1 / Total Energy
- F2 Percentage of Total Energy expended in second fraction, i.e. F2 / Total Energy
- %Med Percentage Median, the percentage of Total Energy expended by the Second Call, i.e. (F1 + F2) / (F1 + F2 + F3) or more simply, F1 + F2.
- ESP Running style classification based on energy and represents where in a race a horse expends the important portion of its energy.
- F3 Percentage of Total Energy expended in third fraction, i.e. F3 / Total Energy

# Analysis/Velocity-PoR

	1	2 3 4	5	5 6		7 8	9 1	0 11	12	13					
	00 16 24 4	25 12 16 5 4 4 17 5 cing LLC and R	Ro	ntana Jr bertson I				2) M/L Live Odds	1.000	APV CR CSR PL	2.13 ✓ 5	n ITM	P <sup>5</sup>	Life 2017 2016 S/D	St 11 3 4 1
0	Original	Adjusted Tan	lems	Velocity-P	он	Velocity-PoR	Energy	PMTR/TPF	Prima	1	2 outs Trip	En	arnv (0	Wet	2
	Days	Race Id		Dist	SR	Energy #	F1#	F2#	F3 #	SC #	TS#	F1	ergy (% F2	%Med	F3
1	18	25Mar17 201		6.0	72	159.24	56.7 <sup>1</sup>	51.6 4	51.0 6	54.9 <sup>2</sup>	53.84	35.6	32.4	68.0	32.
2	31	12Mar17 2FC	my	5.5	65	156.210	56.2 4	50.8 8	49.3 9	54.36	52.99	36.0	32.5	68.5	31.
23	31 87	12Mar17 2F0 15Jan17 7F0	i my i ft	5.5 6.0	65 72	156.2 <sup>10</sup> 158.2 <sup>7</sup>	56.2 <sup>4</sup> 56.1 <sup>5</sup>	50.8 <sup>8</sup> 51.4 <sup>5</sup>	49.3 <sup>9</sup> 50.8 <sup>7</sup>	54.3 <sup>6</sup> 54.4 <sup>5</sup>	52.9 <sup>9</sup> 53.4 <sup>7</sup>	36.0 35.4	32.5 32.5	68.5 67.9	31. 32.
2 3 4	31 87 111	12Mar17 2F0 15Jan17 7F0 22Dec16 3F0	my ft ft	5.5 6.0 6.0	65 72 69	156.2 <sup>10</sup> 158.2 <sup>7</sup> 157.6 <sup>9</sup>	56.2 <sup>4</sup> 56.1 <sup>5</sup> 56.3 <sup>3</sup>	50.8 <sup>8</sup> 51.4 <sup>5</sup> 51.2 <sup>6</sup>	49.3 9 50.8 7 50.2 <sup>8</sup>	54.3 <sup>6</sup> 54.4 <sup>5</sup> <b>54.5</b> 4	52.99 53.47 53.38	36.0 35.4 35.7	32.5 32.5 32.5	68.5 67.9 68.2	31. 32. 31.
2 3 4	31 87 111 362	12Mar17 2F0 15Jan17 7F0 22Dec16 3F0 15Apr161000	i my i ft i ft ft	5.5 6.0 6.0 5.5	65 72 69 65	156.2 <sup>10</sup> 158.2 <sup>7</sup> 157.6 <sup>9</sup> 157.7 <sup>8</sup>	56.2 4 56.1 <sup>5</sup> 56.3 <sup>3</sup> 56.2 4	50.8 <sup>8</sup> 51.4 <sup>5</sup> 51.2 <sup>6</sup> 50.0 <sup>9</sup>	49.3 9 50.8 7 50.2 8 51.6 5	54.3 <sup>6</sup> 54.4 <sup>5</sup> <b>54.5</b> 54.0 <sup>8</sup>	52.99 53.47 53.38 53.38	36.0 35.4 35.7 35.6	32.5 32.5 32.5 31.7	68.5 67.9 68.2 67.3	31. 32. 31. 32.
2 3 4 5	31 87 111 362 374	12Mar17 2FC 15Jan17 7FC 22Dec16 3FC 15Apr16 1000 3Apr16 100	i my i ft i ft ft ft ft	5.5 6.0 6.0 5.5 6.0	65 72 69 65 72	156.2 <sup>10</sup> 158.2 <sup>7</sup> 157.6 <sup>9</sup> 157.7 <sup>8</sup> 158.8 <sup>6</sup>	56.2 4 56.1 5 56.3 3 56.2 4 56.1 5	50.8 <sup>8</sup> 51.4 <sup>5</sup> 51.2 <sup>6</sup> 50.0 <sup>9</sup> 51.0 <sup>7</sup>	49.3 9 50.8 7 50.2 8 51.6 <sup>5</sup> <b>51.8 4</b>	54.3 <sup>6</sup> 54.4 <sup>5</sup> 54.5 <sup>4</sup> 54.0 <sup>8</sup> 54.3 <sup>6</sup>	52.99 53.47 53.38 53.38 53.66	36.0 35.4 35.7 35.6 35.3	32.5 32.5 32.5 31.7 32.1	68.5 67.9 68.2 67.3 67.4	31. 32. 31. 32. 32.
2 3 4 5 6	31 87 111 362 374 398	12Mar17 2FC 15Jan17 7FC 22Dec16 3FC 15Apr16 1001 3Apr16 101 10Mar16 7FC	i my i ft i ft i ft i ft i ft	5.5 6.0 6.0 5.5 6.0 6.0	65 72 69 65 72 72	156.2 <sup>10</sup> 158.2 <sup>7</sup> 157.6 <sup>9</sup> 157.7 <sup>8</sup> 158.8 <sup>6</sup> 159.1 <sup>5</sup>	<b>56.2</b> 4 56.1 5 <b>56.3</b> 3 <b>56.2</b> 4 56.1 5 55.8 6	50.8 <sup>8</sup> 51.4 <sup>5</sup> 51.2 <sup>6</sup> 50.0 <sup>9</sup> 51.0 <sup>7</sup> 51.4 <sup>5</sup>	49.3 9 50.8 7 50.2 8 51.6 5 51.8 4 52.0 3	54.3 <sup>6</sup> 54.4 <sup>5</sup> 54.5 <sup>4</sup> 54.0 <sup>8</sup> 54.3 <sup>6</sup> 54.3 <sup>6</sup>	52.99 53.47 53.38 53.38 53.66 53.75	36.0 35.4 35.7 35.6 35.3 35.1	32.5 32.5 32.5 31.7 32.1 32.3	68.5 67.9 68.2 67.3 67.4 67.3	31. 32. 31. 32. 32. 32.
2 3 4 5 6 7	31 87 111 362 374 398 613	12Mar17 2FC 15Jan17 7FC 22Dec16 3FC 15Apr16 1000 3Apr16 1001 10Mar16 7FC 8Aug15 8AF	i my i ft i ft ft i ft i ft fm	5.5 6.0 5.5 6.0 6.0 8.0	65 72 69 65 72 72 72 73	156.2 <sup>10</sup> 158.2 <sup>7</sup> 157.6 <sup>9</sup> 157.7 <sup>8</sup> 158.8 <sup>6</sup> 159.1 <sup>5</sup> <b>162.1<sup>2</sup></b>	<b>56.2</b> <sup>4</sup> 56.1 <sup>5</sup> <b>56.3</b> <sup>3</sup> <b>56.2</b> <sup>4</sup> 56.1 <sup>5</sup> 55.8 <sup>6</sup> 55.2 <sup>7</sup>	50.8 <sup>8</sup> 51.4 <sup>5</sup> 51.2 <sup>6</sup> 50.0 <sup>9</sup> 51.0 <sup>7</sup> 51.4 <sup>5</sup> 53.7 <sup>2</sup>	49.3 9 50.8 7 50.2 8 51.6 5 51.8 4 52.0 3 53.2 2	54.36 54.45 54.54 54.08 54.36 54.36 54.36	52.99 53.47 53.38 53.66 53.75 <b>54.31</b>	36.0 35.4 35.7 35.6 35.3 35.1 34.1	32.5 32.5 32.5 31.7 32.1 32.3 33.1	68.5 67.9 68.2 67.3 67.4 67.3 67.2	31. 32. 31. 32. 32. 32. 32.
2.	31 87 111 362 374 398	12Mar17 2FC 15Jan17 7FC 22Dec16 3FC 15Apr16 1001 3Apr16 101 10Mar16 7FC	i my i ft i ft ft ft ft ft ft M ft	5.5 6.0 6.0 5.5 6.0 6.0	65 72 69 65 72 72	156.2 <sup>10</sup> 158.2 <sup>7</sup> 157.6 <sup>9</sup> 157.7 <sup>8</sup> 158.8 <sup>6</sup> 159.1 <sup>5</sup>	<b>56.2</b> 4 56.1 5 <b>56.3</b> 3 <b>56.2</b> 4 56.1 5 55.8 6	50.8 <sup>8</sup> 51.4 <sup>5</sup> 51.2 <sup>6</sup> 50.0 <sup>9</sup> 51.0 <sup>7</sup> 51.4 <sup>5</sup>	49.3 9 50.8 7 50.2 8 51.6 5 51.8 4 52.0 3	54.3 <sup>6</sup> 54.4 <sup>5</sup> 54.5 <sup>4</sup> 54.0 <sup>8</sup> 54.3 <sup>6</sup> 54.3 <sup>6</sup>	52.99 53.47 53.38 53.38 53.66 53.75	36.0 35.4 35.7 35.6 35.3 35.1	32.5 32.5 32.5 31.7 32.1 32.3	68.5 67.9 68.2 67.3 67.4 67.3	31. 32. 31.

'PoR' means 'Pace of the Race' and this screen displays the front runner's velocity and energy ratios in the horse's last races, up to a maximum of ten.

The data items and formulae on this screen are identical to the 'PoH' screen immediately preceding. The only differences will be the Energy and Velocity numbers for horses NOT on the lead.

(Again, these are <u>not</u> raw values. They have been adjusted by the DTV and ITV and equalized for today's distance/surface if different from the selected paceline.)

# Analysis/Energy

6	100 100 100	2 3 4	5	6	7 8	9 10	11	12 13							
3		oid Red			State Land State State	(Apr 2012)	M/L:	3 A	PV 120 CR 2.13	Win IT	M	<b>5</b> -	Life	St 11	
	24 4	25 12 16 5 4 4 17 5 cing LLC and Ro Adjusted Tam	) Robertso obertson, Hu	n McLe	rdo	77.02	PMTR/TPR	and a second second	SR 5 PL 1 Workouts				2017 2016 S/D Wet	11 3 4 1 2	
	Original	Aujusteu Tan	verioci	ly-run	Total	Ellergy	Fair() IFK	Finnary	WORKOULS	THP					-
	Days	Race Id	Dist	SR	Energy #	Hid #	FX #	%Med	E/EP #	L/EP #	TPP #	Bal	ESP		
1	18	25Mar17 20F	ft 6.0	72	158.7 5	72.6 5	53.3 <sup>8</sup>	68.0	88.8 4	86.610	88.7 6	14	SP		
1	18 31	25Mar17 2OF 12Mar17 2FG			and the second se	72.6 <sup>5</sup> 70.0 <sup>9</sup>	53.3 <sup>8</sup> 52.6 <sup>10</sup>	68.0 68.1	88.8 <sup>4</sup> 87.5 <sup>8</sup>	86.6 <sup>10</sup> 86.8 <sup>9</sup>	88.7 <sup>6</sup> 88.1 <sup>10</sup>	14 17	SP SP		
1000			my 5.5	72	158.7 5										
2	31	12Mar17 2FG	my 5.5 ft 6.0	72 65	158.7 <sup>5</sup> 156.2 <sup>10</sup>	70.0 <sup>9</sup>	52.6 <sup>10</sup>	68.1	87.5 <sup>8</sup>	86.8 9	88.1 10	17	SP SP SP		
2	31 87	12Mar17 2FG 15Jan17 7FG	6 my 5.5 6 ft 6.0 6 ft 6.0	72 65 72	158.7 <sup>5</sup> 156.2 <sup>10</sup> 158.4 <sup>6</sup>	70.0 <sup>9</sup> 72.4 <sup>6</sup>	52.6 <sup>10</sup> 53.4 <sup>6</sup>	68.1 67.8	87.5 <sup>8</sup> 88.6 <sup>5</sup>	86.8 <sup>9</sup> 86.9 <sup>7</sup>	88.1 <sup>10</sup> 88.7 <sup>7</sup>	17 12	SP SP		
234	31 87 111	12Mar17 2FG 15Jan17 7FG 22Dec16 3FG	6 my 5.5 6 ft 6.0 6 ft 6.0 7 ft 5.5	72 65 72 69	158.7 <sup>5</sup> 156.2 <sup>10</sup> 158.4 <sup>6</sup> 157.7 <sup>8</sup>	70.0 <sup>9</sup> 72.4 <sup>6</sup> 71.8 <sup>8</sup>	52.6 <sup>10</sup> 53.4 <sup>6</sup> 53.1 <sup>9</sup>	68.1 67.8 67.9	87.5 <sup>8</sup> 88.6 <sup>5</sup> 88.2 <sup>7</sup>	86.8 <sup>9</sup> 86.9 <sup>7</sup> 86.9 <sup>8</sup>	88.1 <sup>10</sup> 88.7 <sup>7</sup> 88.5 <sup>8</sup>	17 12 15	SP SP SP		
2 3 4 5	31 87 111 362	12Mar17 2FG 15Jan17 7FG 22Dec16 3FG 15Apr16 100F	6 my 5.5 6 ft 6.0 6 ft 6.0 9 ft 5.5 9 ft 6.0	72 65 72 69 65	158.7 <sup>5</sup> 156.2 <sup>10</sup> 158.4 <sup>6</sup> 157.7 <sup>8</sup> 156.3 <sup>9</sup>	70.0 <sup>9</sup> 72.4 <sup>6</sup> 71.8 <sup>8</sup> 69.3 <sup>10</sup>	52.6 <sup>10</sup> 53.4 <sup>6</sup> 53.1 <sup>9</sup> 53.4 <sup>7</sup>	68.1 67.8 67.9 67.4	87.5 <sup>8</sup> 88.6 <sup>5</sup> 88.2 <sup>7</sup> 87.2 <sup>9</sup>	86.8 <sup>9</sup> 86.9 <sup>7</sup> 86.9 <sup>8</sup> 8 <b>7.6 <sup>3</sup></b>	88.1 <sup>10</sup> 88.7 <sup>7</sup> 88.5 <sup>8</sup> 88.2 <sup>9</sup>	17 12 15 12	SP SP SP S		
2 3 4 5	31 87 111 362 374	12Mar17 2FG 15Jan17 7FG 22Dec16 3FG 15Apr16 100F 3Apr16 10F 10Mar16 7FG	6 my 5.5 6 ft 6.0 6 ft 5.5 7 ft 6.0 6 ft 6.0 6 ft 6.0	72 65 72 69 65 72	158.7 <sup>5</sup> 156.2 <sup>10</sup> 158.4 <sup>6</sup> 157.7 <sup>8</sup> 156.3 <sup>9</sup> 158.4 <sup>7</sup>	70.0 <sup>9</sup> 72.4 <sup>6</sup> 71.8 <sup>8</sup> 69.3 <sup>10</sup> 72.2 <sup>7</sup>	52.6 <sup>10</sup> 53.4 <sup>6</sup> 53.1 <sup>9</sup> 53.4 <sup>7</sup> 53.6 <sup>4</sup>	68.1 67.8 67.9 67.4 67.5	87.5 <sup>8</sup> 88.6 <sup>5</sup> 88.2 <sup>7</sup> 87.2 <sup>9</sup> 88.4 <sup>6</sup>	86.8 <sup>9</sup> 86.9 <sup>7</sup> 86.9 <sup>8</sup> <b>87.6 <sup>3</sup></b> 87.2 <sup>6</sup>	88.1 <sup>10</sup> 88.7 <sup>7</sup> 88.5 <sup>8</sup> 88.2 <sup>9</sup> 88.7 <sup>5</sup>	17 12 15 12 12	SP SP SP S		
3 4 5 6 7	31 87 111 362 374 398	12Mar17 2FG 15Jan17 7FG 22Dec16 3FG 15Apr16 100F 3Apr16 10F 10Mar16 7FG	6 my 5.5 6 ft 6.0 9 ft 5.5 9 ft 6.0 6 ft 6.0 6 ft 6.0 fm 8.0	72 65 72 69 65 72 72 72	158.75 156.210 158.46 157.78 156.39 158.47 159.14	70.0 <sup>9</sup> 72.4 <sup>6</sup> 71.8 <sup>8</sup> 69.3 <sup>10</sup> 72.2 <sup>7</sup> 73.9 <sup>4</sup>	52.6 <sup>10</sup> 53.4 <sup>6</sup> 53.1 <sup>9</sup> 53.4 <sup>7</sup> 53.6 <sup>4</sup> 54.0 <sup>2</sup>	68.1 67.8 67.9 67.4 67.5 66.8	87.5 <sup>8</sup> 88.6 <sup>5</sup> 88.2 <sup>7</sup> 87.2 <sup>9</sup> 88.4 <sup>6</sup> 88.4 <sup>6</sup>	86.8 <sup>9</sup> 86.9 <sup>7</sup> 86.9 <sup>8</sup> 87.6 <sup>3</sup> 87.2 <sup>6</sup> 87.9 <sup>2</sup>	88.1 <sup>10</sup> 88.7 <sup>7</sup> 88.5 <sup>8</sup> 88.2 <sup>9</sup> 88.7 <sup>5</sup> 89.0 <sup>4</sup>	17 12 15 12 12 8	SP SP SP S S L		

The first nine columns of this screen are identical to the Velocity - PoH screen. The following are new data items.

Hid - Hidden Energy, weighted average of the velocities of second and third fractions, i.e. F2 + F3 / 2.

FX - Factor X, the average of the velocities for the first and third fractions, i.e. F1 + F3 / 2.

<u>%Med</u> - Percentage Median, the sum of the velocities for the first and second fractions divided by the sum of the velocities for the first, second and third fractions, i.e. (F1 + F2) / (F1 + F2 + F3).

<u>E/EP</u> - Early Energy Potential, a blending of all three fractional velocities balanced toward the first two fractions. (Considered an improvement on the older EPR as a measurement of early energy distribution.)

<u>L/EP</u> - Late Energy Potential, a blending of all three fractional velocities balanced toward the third fraction. (Considered an improvement on the older LPR as a measurement of late energy distribution.)

<u>TPP</u> - Total Pace Potential, a combination of E/EP and L/EP.

Bal - Balance, the sum of E/EP and L/EP.

<u>ESP</u> - A running style classification based on Energy. It represents a range of %Med values (defined above) and describes where in a race a horse expends the important portion of its energy, i.e. early vs late.

### Analysis/PMTR/TPR

	Entries	Analysis	landems	Tote	N	ewPace P	aceline To	ols	Card Su	mmmary					
	11	2 3 4	1 / E	6 6		7 8	9 V	10	11	12	13				
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This screen displays Total Pace Ratings, its two components, and the Early/Late Differential in 'graph' form (commonly called the 'sticks').

After the "Dist" column, the following are displayed.

<u>SR</u> - RDSS Adjusted Speed Rating for the selected paceline.

<u>Total Energy</u> - Total Energy (TE), refers to the Total Energy of the horse and is the sum of the 3 fractional velocities of the horse itself, i.e. F1 + F2 +F3 = Total Energy. (Sartin used Total Energy as a primary elimination factor, reducing the contenders to the top 5 plus ties.)

EPR - Early Pace Rating, a rating based on the horse's velocity to the Second Call.

<u>LPR</u> - Late Pace Rating, a rating based on the average of the horse's Second Call and Third Fraction velocities, i.e. SC + F3 / 2.

<u>CPR</u> - Composite (or Total) Pace Rating, the sum of EPR and LPR.

<u>Late Early</u> bar graph - A visual representation of %Med values, i.e. where in a race the horse used its Energy, Early or Late. If Early, represented by a red bar, the horse used more energy by the Second Call. If Late, represented by a blue bar, the horses used more energy in the Third Fraction.

# Analysis/Primary

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This screen displays the rankings of the seven 'Primary Factors' that comprise the Line Score (thus the tab name 'Primary'), and the Perceptor Total, the Primary Line Score, and the Velocity/Deceleration percentage presented in the "Perceptor" format. As stated on several previous screens, Perceptor is a concept carried forward from the earlier Sartin program Speculator and shows factors in terms of their percentage deviation from the best, which is represented as '0.0'.

<u>Primary Factors</u> (shown in 'Perceptor' style percentages)

- EPR Early Pace Rating, a rating based on the horse's velocity to the Second Call.
- LPR Late Pace Rating, a rating based on the average of the horse's Second Call and Third Fraction velocities.
- CPR Composite (or Total) Pace Rating, a rating based on the sum of EPR and LPR.
- TT Turn Time, a rating based on the horse's velocity for the Second Fraction.
- HID Hidden Energy, a rating based on the "weighted" average of the velocities of the Second and Third Fractions.
- FW Factor W, a rating based on the average of all three fractions. For sprints, it's (SC × 2) + F3 / 2. For routes, it's SC + (F3 × 2) / 2.
- FX Factor X, a rating based on the average of the velocities for the First and Third fractions, i.e. F1 + F3 / 2.

Perceptor Total - The percentage deviation from the best Line Score, which is represented as '0.0'.

Primary LS - The sum of the Perceptor percentage differences of the 7 Primary Factors, with their varying weights.

VDC% - Velocity relative to Deceleration expressed in Perceptor format.

<u>ESP</u> - A running style classification based on Energy. It represents a range of %Med values and describes where in a race a horse expends the important portion of its energy, i.e. early vs late.

#### Analysis/Workouts

Er	ntries	Analysis	Та	ndem			NewPac	000 3+ e Pace	eline Too		ard Sum					
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Or ays	iginal Inter-	Adjusted		lems ft								Primary	Wor	kouts	Trip	
or ays ago	Inter- val	Adjusted Date	Track		Dist	Time	Style	Rank	%	SR	WR	Primary	Wor	kouts	Trip	
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or ays Ago 17 38 60 67	Inter- val 17 21 22 7 17	Adjusted Date 26Mar17 05Mar17 11Feb17 04Feb17	Track OP OP TTC TTC	ft gd ft ft	Dist 3.0 4.0 5.0 4.0	Time :36 <sup>6</sup> :49 <sup>6</sup> 1:00 :47	Style B B B B	Rank 3/13 26/39 2/16 1/6	%	SR 92 87 95 95	WR	Primary	Wor	kouts	Trip	

This screen displays details of the horse's recent workouts as published in Equibase past performances with additional information provided by RDSS.

Days Ago - Number of days since the workout, as calculated from today's race.

Interval - Number of days since the prior workout.

Date - Date of the workout.

Track - Track on which the workout took place with condition of the surface.

<u>Dist</u> - Distance of the workout.

Time - Time of the workout.

<u>Style</u> - Clocker's notation of how the workout was run. Examples:

- B breezing, the horse was not under strong urging
- H handily, the horse was asked or "handled"
- g started from the gate
- d "dogs" or temporary cones were on the track.

<u>Rank</u> - Rank of workout as compared to other works that day of the same distance. A bullet work is in bold type.

 $\frac{N}{2}$  - Percentage of works that were slower. The higher the percentage, the faster the workout by comparison.

<u>SR</u> - Speed Rating, a rating of workout time, based on a parallel time chart equating times for different workout distances. (Speed Ratings of 92+ may indicate the horse is extremely fit and sharp, especially if the workout distance is 5f or longer.)

<u>WR</u> - Work Rank, a computation based on the average percentile of a horse's workout rank for all workouts in a day (when at least 5 workouts recorded that day), plus furlongs worked and raced - over the past 30 days. (It's a measure of the horse's fitness.)

Workout Form Patterns - Abbreviations to document how the horse has been working, as follows:

- FPD Furlongs Per Day. When there are 2 or more workouts since the last race, and within the past 30 days: count the furlongs worked including the distance of today's race and divide by days since the last race. 1 furlong per day = FPD, less is -FPD, more is +FPD. We're trying to get a coarse idea of how much public work the horse has been doing to return to racing. You can only put so much value in this info this does not tell us how much private work the horse has done, the frequency, the speed, the pressure during (e.g. working in company, working inside/outside other horses, etc), the distance, etc. Consult other Workout Patterns for some of these.
- 5f / 6f 5 or 6 Furlong Workout. The last workout within 9 days of today's race was either 5 or 6 furlongs, an important endurance distance associated with at least a certain degree of fitness, especially if combined with a good Speed Rating and coming at the end of an evenly spaced series of works (see HWL group). If the last work was within 6 days, will be indicated with a plus, e.g. +5f or +6f.
- SRW a Short Recent Work between 2f 4f within 3 to 5 days of today's race
- SW Super Workout. Depending on distance and recency, a designation for the LAST workout within the past 14 days, run faster than a certain time for each distance.
- GW Gate Workout. Within the past 8 days, a workout from the Gate. Extra credit for more recent gate workouts (\* ! + modifiers)
- HWL1 Heavy Workload 1. 3 or more workouts within the last 21 days. +HWL1 for 4 works in 20 days or 3 works in 16 days. -HWL1 for 3 works in 21 days
- SAR Heavy Workload 2. Between 4 and 7 workouts since the last race at \*regularly\* spaced intervals. Extra credit for more workouts.
- SCW Special Condition Workouts. Comparing workout immediately prior to the last race within 60 days to workout immediately following that last race the latter workout is faster and may indicate that the last race did not adversely affect the horse. Or, comparing workouts immediately preceding and following the last 2 races with an out of the money finish, the later workout should be faster, perhaps indicating that the previous 2 races also did not adversely affect the horse's condition and it may be ready to offer at least as good an effort today.
- PIW Progressively Improving Workouts. Comparing the past 3 workouts within 75 days (preferably shorter), each next workout should be run at increasing average speed.
- TCW Turf Course Work. For a horse's first Turf race, its last workout is on Turf.

http://paceandcap.com/forums/showpost.php?p=97044&postcount=13 http://paceandcap.com/forums/showthread.php?t=10477

#### Analysis/Trip

OP		or 12, 2017			8f Dir	-		000 3		RC: 88	IOF 10				
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This screen displays details of the horse's races as published in Equibase past performances. RDSS adds a column that shows how long ago each race was.

Paceline checkbox - Located to the left of each race, this column of checkboxes allows the user to manually select the race that will be analyzed and displayed on the field analysis screens. (Multiple pacelines can be selected by holding down the Ctrl key and checking more than one box.)

Days - Number of days since last race.

<u>Race Id</u> - The date of the race, the track on which it was run and the number of the race on that day's card.

Dist - The distance, surface and condition of the surface over which the race was run.

<u>Post</u> - The horse's post position.

Wat - The weight that the horse carried.

Equip - The horse's medications and equipment. Examples:

- L Lasix
- B Bute
- f front bandages
- b blinkers

Jockey - The horse's jockey for that race.

<u>Comments</u> - Abbreviated chart caller comments from the Equibase results charts.

#### Configure Screen

Daily Track Variant Settings	Inter Track Variant Settings	Mode	Logins			
Over the second seco	Our Content of the second s	Opefault	TwinSpire			
Use 100% of DTV	Don't Use TrackMaster ITV	Val4 Emulation	NHPLAY			
Don't Use DTV						
			AmWager XpressBet			
Range of Daily Track Variant used in	Adjustments		Apressbe			
Minimum DTV	Maxir	num DTV				
15		+15				
-50 -25	0 0 +25	+50				
	Average Slower>					
< Faster	· · · · · · · · · · · · · · · · · · ·					
< Faster						
Settings	⊂ When to Play Sounds					
Settings Zoom: 120 💭	When to Play Sounds <ul> <li>Always</li> </ul>					
Settings	When to Play Sounds <ul> <li>Always</li> </ul>					

This screen allows the RDSS user to change the Daily Track Variant and Inter Track Variant settings, among other things. (The recommended settings are shown.)

# Paceline Tools Screen

🏷 🎥 RDSS Desktop 🖉 🔒 Data Centre 🖉 🔅 Configure 🖉 🔄 Registration	Records
SAR 3 Jul 27, 2016 6.5f Dirt CL1400	0 3+ Purse: \$28,000 RC: 87 (CL 14 N3-L)
Entries Analysis Tandems Tote NewPace	Dashboard Paceline Tools Card Summary
1 2 3 4 5 6 7 8	9
Paceline Selection Strategies	
Best Perceptor, Last 3 Comparable (default)	Population Sample (2nd Call)
O0 Manual (You select!)	Top 3 Total Energy
C Last Line	Best BL/BL, Last 3
C Last 4 Lines	Best VDC, Last 3
Select Pacelines during Race Assembly	
<ul> <li>Automatic PSS do not change Contender Status</li> </ul>	All Horses
Cancel	

This screen allows the RDSS user to change the paceline used by the field analysis screens. (The recommended setting is shown.)