TRACKMASTER®
An EQUIBASE Company

2018 Global Symposium On Racing

Consistency, Transparency & Competitive Racing

HORSE RATINGS

A New Approach to Classification In Harness Racing

David Siegel
President
TrackMaster, An Equibase Company

TRACKMASTER®
An EQUIBASE Company

2018 Global Symposium On Racing

TrackMaster Horse Ratings

- History & Concept
- Benefits
- Results
- How to use them
- Public Access

TRACKMASTER® An EQUIBASE Company

TrackMaster Horse Ratings

Benefits

- More competitive races (metrics)
- Balanced field sizes
- Easier to fill races due to “one sized fits most” conditions
- Can help deal with horse shortages
- Easier to understand for public
- Improved race integrity
- 100% transparent
- Race offices can use Ratings as they wish

TRACKMASTER®
An EQUIBASE Company

2018 Global Symposium On Racing

TrackMaster Horse Ratings

Results have been Outstanding

R	es	Pct Win Fav	Avg Win Odds	Pct Low Odds	Pct High Odds
	31	47.43	3.95	51.06	74.62
	67	41.96	4.69	32.43	65.94
Y	VD	290	34.14	4.36	27.59	30.00

51.06

32.43

TRACKMASTER® An EQUIBASE Company

TrackMaster Horse Ratings

How To Use Them

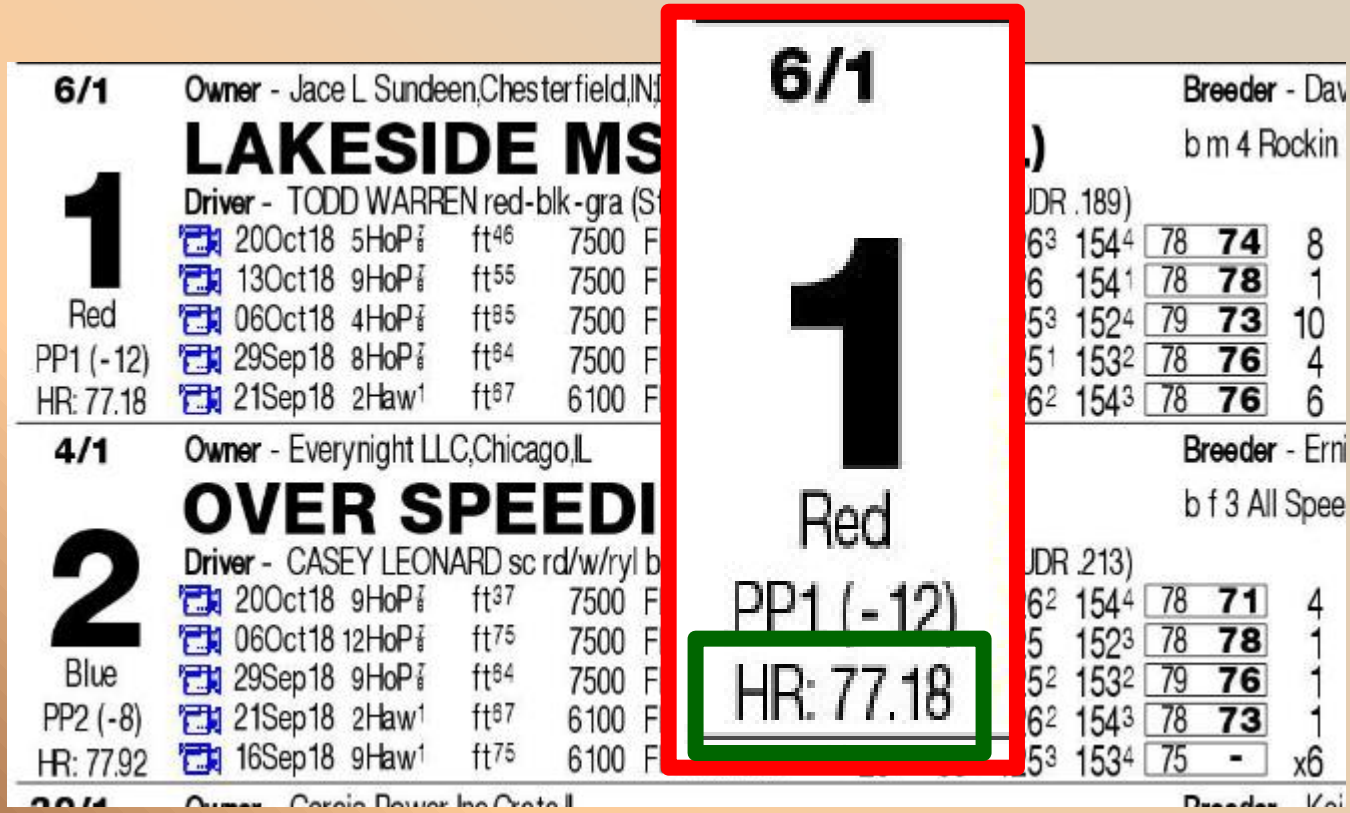
- Fixed Class Range
- Accordion Method (optimize field size and rating "densities")
- Mixing in Claimers
- Claimer with Condition
- Boys and Girls
- 100% Up to Race Office – TM just supplies the ratings

TRACKMASTER® An EQUIBASE Company

2018 Global Symposium On Racing

TrackMaster Horse Ratings

Public Access – Program Pages



TRACKMASTER® An EQUIBASE Company

2018 Global Symposium On Racing

TrackMaster Horse Ratings

Public Access – Transparency

TrackMaster Horse Ratings

Universal classification system for horses based on past performance ratings

Click here to read the formal specification

The date on the file name is the date of the run, which would typically include all results through the previous day
(Right click and "SAVE AS" to your computer, then open in Excel)

horse_ratings20181113.csv
horse_ratings20181112.csv
horse_ratings20181111.csv
horse_ratings20181110.csv
horse_ratings20181109.csv
horse_ratings20181108.csv
horse_ratings20181107.csv
horse_ratings20181106.csv

TRACKMASTER® An EQUIBASE Company

2018 Global Symposium On Racing

Consistency, Transparency & Competitive Racing

AUTOMATED MORNING LINE

TRACKMASTER®
An EQUIBASE Company

2018 Global Symposium On Racing

Automated Morning Line

- Reminder of Benefits -

- Currently used by about 19 tracks representing 50% of all US starts (about 200,000 in 2017)
- No possibility of human error (typos)
- More timely
- Time or money savings - free to USTA-members
- Lines cannot be influenced by outside factors
- Consistently applied
- Mathematically balanced
- More accurate for predicting off-odds (key metric)

TRACKMASTER® An EQUIBASE Company

2018 Global Symposium On Racing

Automated Morning Line

- Concept of Levels for Metrics -

Level	Odds
1	1/5
2	2/5
3	1/2
4	3/5
5	4/5
6	1/1
7	6/5

Level	Odds
8	7/5
9	3/2
10	8/5
11	9/5
12	2/1
13	5/2
14	3/1

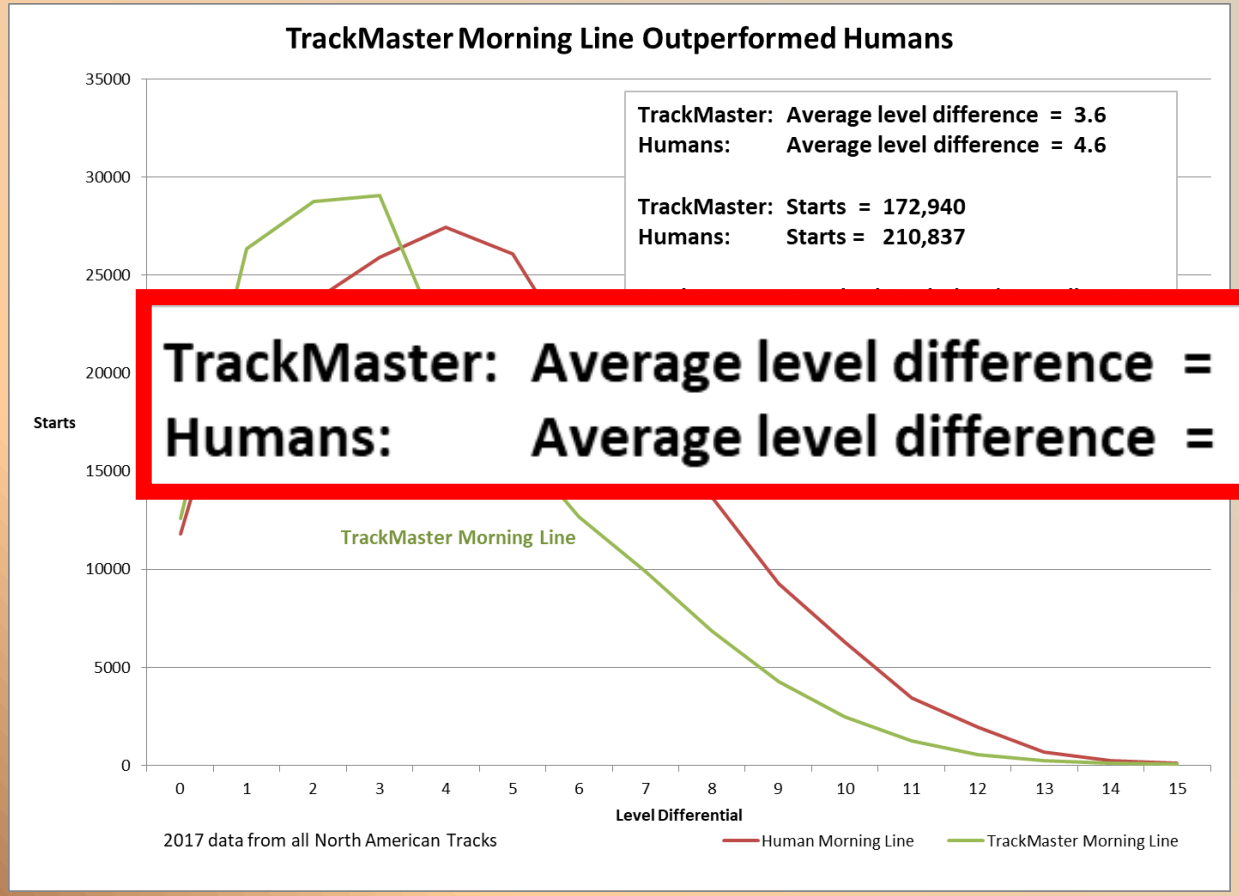
Level	Odds
23	10/1
24	12/1
25	15/1
26	20/1
27	25/1
28	30/1
29	50/1

TRACKMASTER® An EQUIBASE Company

2018 Global Symposium On Racing

Automated Morning Line

- Outperformed Human Lines by off- odds variance -



TRACKMASTER® An EQUIBASE Company

2018 Global Symposium On Racing

Automated Morning Line

- Two Tracks Switched Sources During 2017 -

track	use_ML	avg_level_delta	races	starts	Notes
DD	Y	4.16	843	6739	Dover switched from TM to
DD	N	5.61	416	3382	Human during 2017
M	N	4.33	573	4966	Meadowlands switched from
M	Y	3.59	450	3916	Human to TM during 2017

TRACKMASTER® An EQUIBASE Company

2018 Global Symposium On Racing

Automated Morning Line

- Humans with 2.5x Bad Lines vs. Computer –

Use TM odds	Bad Lines	All Starts	% Bad Lines
Y	1,791	140,011	1.3%
N	5,256	168,633	3.1%
TOTAL	7,047	308,644	

Excludes all races where there were any scratches
Bad Lines are lines more than 10 levels off off-odds
2017 Data

TRACKMASTER®
An EQUIBASE Company

2018 Global Symposium On Racing

Consistency, Transparency & Competitive Racing

David Siegel
President
TrackMaster, An Equibase Company