

HPv2 was launched on October 2019 for France Galop races on Longchamp and Deauville hippodromes. 26 races were successfully tracked. Here are some results about McLloyd's accuracy performance.

## Key metrics

- 26 races and 361 horses tracked
- ✓97% horses well ranked
- ✓93% finish line timing accuracy under 0,05s
- ✓1.94s mean latency



## Final ranking

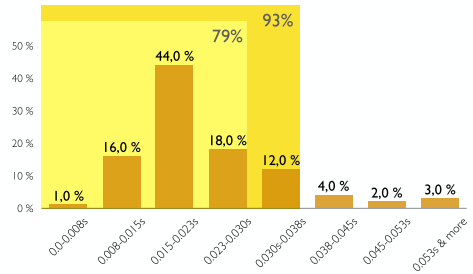
**97% of 361 tracked horses were successfully ranked.**

- 16 races out of 26 were 100% correct
- 8 races out of 26 were >90% correct (1 mistake). 2 of them were 80-85% correct (2 mistake)



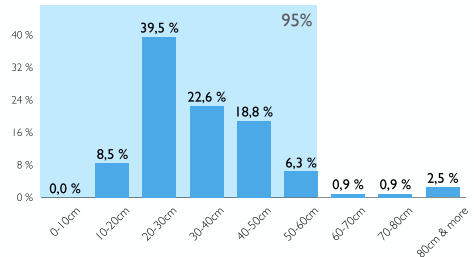
## Timing on the finish line

Over all the horses tracked, 79% of them were measured within a 0,03s accuracy on the finish line and the extreme majority of them (**93%**) was measured within a **0,05s accuracy**.



## Position on the finish line

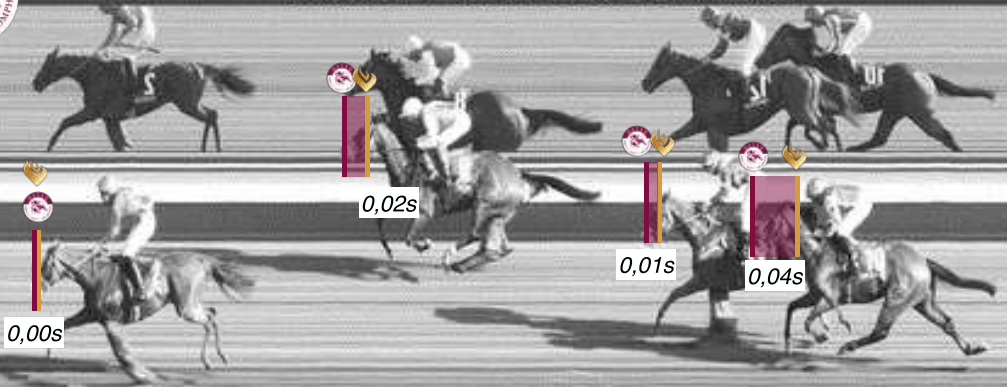
Over all the horses tracked, the extreme majority of them (**95%**) was positioned within a **60cm accuracy on the finish line**.



This shows the timing accuracy on the finish line during the Qatar prix de l'Arc de Triomphe on the 4 first horses. The timing error is calculated as the difference between the official time to winner, and the time to winner given by HPv2. The biggest difference is 0,04s. The error is due to HPv2 native positioning accuracy, and also to the fact that the tracker is placed at the end of the saddle cloth, while official timing considers the horse nose.



### C4 QATAR PRIX DE L'ARC DE TRIOMPHE





## Provided data

A whole range of meaningful data for each horse is provided in live every 0,1s in JSON format. This brings total new perspectives for race analysis.



### Race progression



- Absolute distance covered from start
- Projected distance covered from start
- Distance from inner rail
- % achieved
- Ranking

### Position



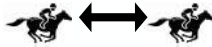
- Latitude/Longitude position
- Heading

### Speed data



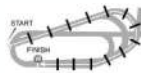
- Speed
- Mean speed
- Max speed
- Time to km
- Mean time to km
- Acceleration

### Gap data



- Distance to previous horse
- Distance to first horse

### Sectional data



- Sectional Timing
- Overall speed
- Sectional speed

And more...



Find out which horse ran the most distance in the race



Find out what is the impact of the curves on the horses' speed



Find out when the winner started his strongest acceleration, and to what extent



Find out what gap the winner caught up to win the race

...

**Do it all with multiple races to follow how performances evolve!**