

# 2024 Women's 60m Hurdles World Indoor Record Season

Devynne Charlton (BAH) - 7.65

## Hurdle Touchdown Times



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Todd Henson

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## Devynne Charlton (BAH) - 7.65

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### Notes:

- The times listed as TV Analysis are taken from [youtube.com](https://www.youtube.com) videos and generally coming from Television broadcasts. These are not always the best angles or coverage for getting times. They are often trying to tell a story by focusing on one athlete, and sometimes while shifting camera angles an extra frame can get added or removed.
- Where times are taken from the first movement, instead of the gun, there is at least a  $\pm 0.12$  second difference/error. This will show up from the start to the first hurdle and then from hurdle 10 to the finish. The between hurdle intervals should be fairly consistent, but there is still the usual  $\pm 0.03$  second.
- Data errors, missing data, spelling mistakes, anything that needs correction - please let me know. As always, I try to put together the most complete and accurate report possible.
- I have done the best I could, I hope people find it useful or at least interesting.

## 2024 Women's 60m Hurdles World Indoor Record Season - Devynne Charlton (BAH) (1995)

## World Athletics Indoor Championships (Glasgow, GBR) (TV Analysis)

| FINAL                          | date          | 03-Mar-24 | Henson (2024) - Athlete First: 2024 Devynne Charlton world indoor record |      |      |      |      |        |      |              |       |
|--------------------------------|---------------|-----------|--|------|------|------|------|--------|------|--------------|-------|
|                                |               |           | H1   | H2   | H3   | H4   | H5   | Run-In | 60m  | Lane / Place | H1-H4 |
| Charlton, Devynne (BAH) (1995) | time          |           | 2.50   | 3.48 | 4.48 | 5.42 | 6.35 |        | 7.65 | 4 / 1        |       |
|                                | reaction time | 0.152     | interval   | 0.98 | 1.00 | 0.94 | 0.93 | 1.30   | WR   |              | 2.92  |
|                                | velocity      |           | 5.20   | 8.67 | 8.50 | 9.04 | 9.14 | 10.00  | 7.84 |              | 7.71  |

## Semi-Final 1

|                                | date          | 03-Mar-24 | Henson (2024) - Athlete First: 2024 Devynne Charlton world indoor record |                          |    |    |    |        |      |              |       |  |
|--------------------------------|---------------|-----------|--|--------------------------|----|----|----|--------|------|--------------|-------|--|
|                                |               |           | H1   | H2                       | H3 | H4 | H5 | Run-In | 60m  | Lane / Place | H1-H4 |  |
| Charlton, Devynne (BAH) (1995) | time          |           |  |                          |    |    |    |        | 7.72 | 5 / 1        |       |  |
|                                | reaction time | 0.148     | interval   | No Information Available |    |    |    |        |      |              |       |  |
|                                | velocity      |           |  |                          |    |    |    |        | 7.77 |              |       |  |

## Heat 3

|                                | date          | 03-Mar-24 | Henson (2024) - Athlete First: 2024 Devynne Charlton world indoor record |      |      |      |      |        |      |              |       |
|--------------------------------|---------------|-----------|--|------|------|------|------|--------|------|--------------|-------|
|                                |               |           | H1   | H2   | H3   | H4   | H5   | Run-In | 60m  | Lane / Place | H1-H4 |
| Charlton, Devynne (BAH) (1995) | time          |           | 2.56   | 3.58 | 4.58 | 5.56 | 6.54 |        | 7.93 | 6 / 1        |       |
|                                | reaction time | 0.181     | interval   | 1.02 | 1.00 | 0.98 | 0.98 | 1.39   |      |              | 3.00  |
|                                | velocity      |           | 5.08   | 8.33 | 8.50 | 8.67 | 8.67 | 9.35   | 7.57 |              | 7.50  |

## Villa de Madrid Indoor Meeting (Madrid, ESP) (TV Analysis)

| FINAL                          | date          | 23-Feb-24 | Henson (2024) - Athlete First: 2024 Devynne Charlton world indoor record |      |      |      |      |        |      |              |       |
|--------------------------------|---------------|-----------|--|------|------|------|------|--------|------|--------------|-------|
|                                |               |           | H1   | H2   | H3   | H4   | H5   | Run-In | 60m  | Lane / Place | H1-H4 |
| Charlton, Devynne (BAH) (1995) | time          |           | 2.47   | 3.47 | 4.43 | 5.39 | 6.34 |        | 7.68 | 4 / 1        |       |
|                                | reaction time | 0.139     | interval   | 1.00 | 0.96 | 0.96 | 0.95 | 1.34   |      |              | 2.92  |
|                                | velocity      |           | 5.26   | 8.50 | 8.85 | 8.85 | 8.95 | 9.70   | 7.81 |              | 7.71  |

## Heat 2

|                                | date          | 23-Feb-24 | Henson (2024) - Athlete First: 2024 Devynne Charlton world indoor record |                          |    |    |    |        |      |              |       |  |
|--------------------------------|---------------|-----------|--|--------------------------|----|----|----|--------|------|--------------|-------|--|
|                                |               |           | H1   | H2                       | H3 | H4 | H5 | Run-In | 60m  | Lane / Place | H1-H4 |  |
| Charlton, Devynne (BAH) (1995) | time          |           |  |                          |    |    |    |        | 7.79 | 5 / 1        |       |  |
|                                | reaction time | 0.148     | interval   | No Information Available |    |    |    |        |      |              |       |  |
|                                | velocity      |           |  |                          |    |    |    |        | 7.70 |              |       |  |

## Millrose Games (New York, NY) (TV Analysis)

| FINAL                          | date          | 11-Feb-24 | Henson (2024) - Athlete First: 2024 Devynne Charlton world indoor record |      |      |      |      |        |      |              |       |
|--------------------------------|---------------|-----------|--|------|------|------|------|--------|------|--------------|-------|
|                                |               |           | H1   | H2   | H3   | H4   | H5   | Run-In | 60m  | Lane / Place | H1-H4 |
| Charlton, Devynne (BAH) (1995) | time          |           | 2.48   | 3.48 | 4.46 | 5.40 | 6.34 |        | 7.67 | 4 / 1        |       |
|                                | reaction time | 0.168     | interval   | 1.00 | 0.98 | 0.94 | 0.94 | 1.33   | WR   |              | 2.92  |
|                                | velocity      |           | 5.24   | 8.50 | 8.67 | 9.04 | 9.04 | 9.77   | 7.82 |              | 7.71  |

## New Balance Indoor Grand Prix (Boston, MA) (TV Analysis)

| FINAL                          | date          | 04-Feb-24 | Henson (2024) - Athlete First: 2024 Devynne Charlton world indoor record |      |      |      |      |        |      |              |       |
|--------------------------------|---------------|-----------|--|------|------|------|------|--------|------|--------------|-------|
|                                |               |           | H1   | H2   | H3   | H4   | H5   | Run-In | 60m  | Lane / Place | H1-H4 |
| Charlton, Devynne (BAH) (1995) | time          |           | 2.48   | 3.49 | 4.48 | 5.46 | 6.43 |        | 7.76 | 5 / 3        |       |
|                                | reaction time | 0.167     | interval   | 1.01 | 0.99 | 0.98 | 0.97 | 1.33   |      |              | 2.98  |
|                                | velocity      |           | 5.24   | 8.42 | 8.59 | 8.67 | 8.76 | 9.77   | 7.73 |              | 7.55  |

## Corky Classic (Lubbock, TX) (TV Analysis)

| Invite FINAL                   | date          | 20-Jan-24 | Henson (2024) - Athlete First: 2024 Devynne Charlton world indoor record |      |      |      |      |        |       |              |       |
|--------------------------------|---------------|-----------|--|------|------|------|------|--------|-------|--------------|-------|
|                                |               |           | H1   | H2   | H3   | H4   | H5   | Run-In | 60m   | Lane / Place | H1-H4 |
| Charlton, Devynne (BAH) (1995) | time          |           | 2.36   | 3.40 | 4.38 | 5.38 | 6.38 |        | 7.75  | 4 / 1        |       |
|                                | reaction time |           | interval   | 1.04 | 0.98 | 1.00 | 1.00 | 1.37   | NR PB |              | 3.02  |
|                                | velocity      |           | 5.51   | 8.17 | 8.67 | 8.50 | 8.50 | 9.49   | 7.74  |              | 7.45  |

## Invite Heat 1

|                                | date          | 20-Jan-24 | Henson (2024) - Athlete First: 2024 Devynne Charlton world indoor record |                          |    |    |    |        |      |              |       |  |
|--------------------------------|---------------|-----------|--|--------------------------|----|----|----|--------|------|--------------|-------|--|
|                                |               |           | H1   | H2                       | H3 | H4 | H5 | Run-In | 60m  | Lane / Place | H1-H4 |  |
| Charlton, Devynne (BAH) (1995) | time          |           |  |                          |    |    |    |        | 7.82 | / 1          |       |  |
|                                | reaction time |           | interval   | No Information Available |    |    |    |        |      |              |       |  |
|                                | velocity      |           |  |                          |    |    |    |        | 7.67 |              |       |  |

## Rod McCravy Memorial Track &amp; Field Meet (Louisville, KY)

| FINAL                          | date | 13-Jan-24 | Henson (2024) - Athlete First: 2024 Devynne Charlton world indoor record |    |    |    |    |        |      |              |       |
|--------------------------------|------|-----------|--|----|----|----|----|--------|------|--------------|-------|
|                                |      |           | H1   | H2 | H3 | H4 | H5 | Run-In | 60m  | Lane / Place | H1-H4 |
| Charlton, Devynne (BAH) (1995) | time |           |  |    |    |    |    |        | 7.88 | / 1          |       |

reaction time interval velocity No Information Available 7.61

**Semi-Final 2**

date 13-Jan-24 Henson (2024) - Athlete First: 2024 Devynne Charlton world indoor record

Charlton, Devynne (BAH) (1995) time H1 H2 H3 H4 H5 Run-In 60m Lane / Place H1-H4  
 reaction time interval velocity No Information Available 7.98 / 1

7.52

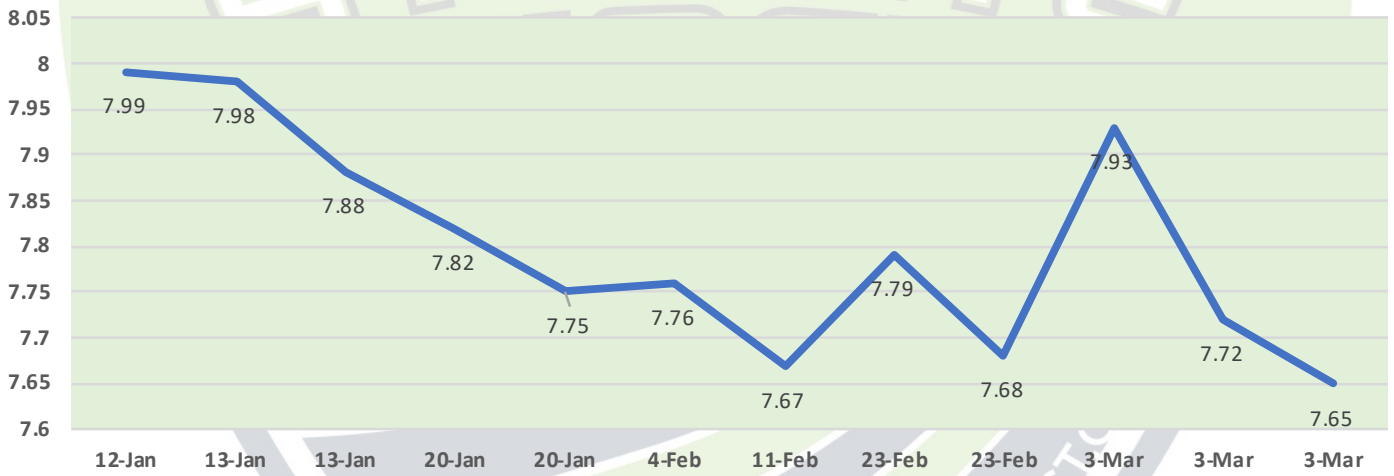
**Heat 6**

date 12-Jan-24 Henson (2024) - Athlete First: 2024 Devynne Charlton world indoor record

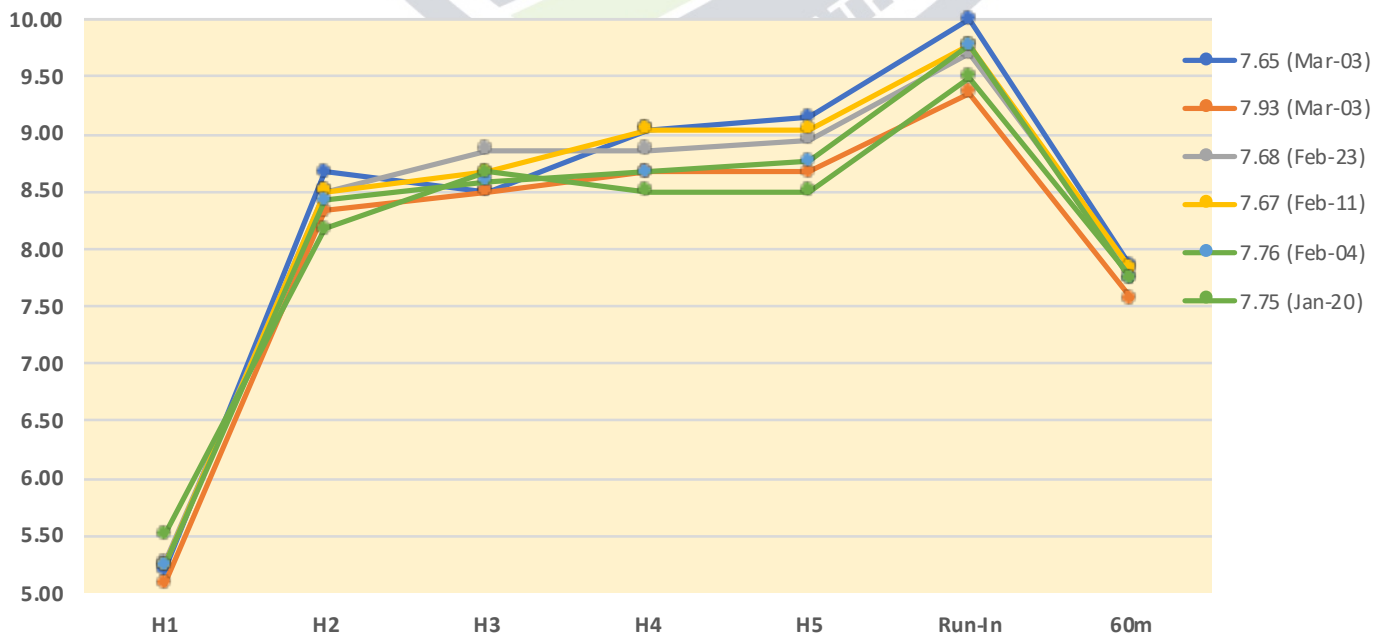
Charlton, Devynne (BAH) (1995) time H1 H2 H3 H4 H5 Run-In 60m Lane / Place H1-H4  
 reaction time interval velocity No Information Available 7.99 / 1

7.51

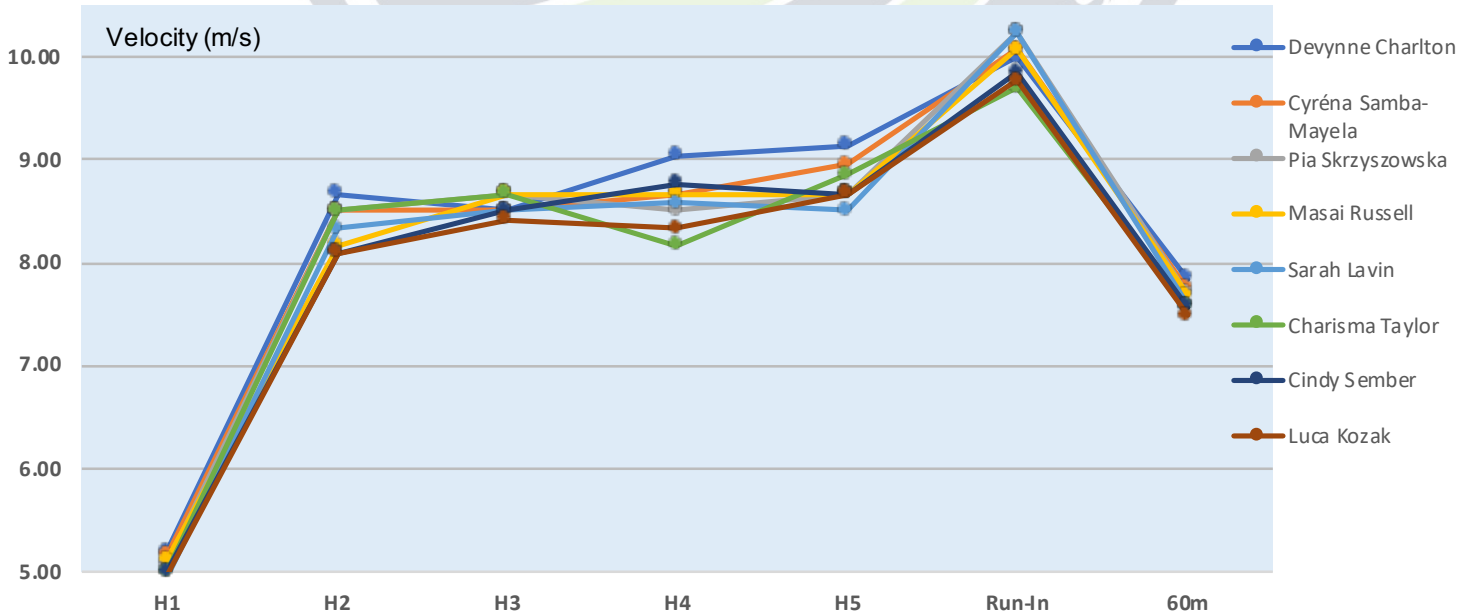
Devynne Charlton 2024 Indoor - (average 7.802)



Hurdle Rhythmic Units



|  |               | H1    | H2       | H3      | H4   | H5   | Run-In | 60m  | Lane / Place |
|--|---------------|-------|----------|---------|------|------|--------|------|--------------|
| <b>Charlton, Devynne (BAH) (1995)</b>    | time          | 2.50  | 3.48     | 4.48    | 5.42 | 6.35 |        | 7.65 | 4 / 1        |
|  | reaction time | 0.152 | interval | 0.98    | 1.00 | 0.94 | 0.93   | 1.30 | WR           |
|  | velocity      | 5.20  | 8.67     | 8.50    | 9.04 | 9.14 | 10.00  | 7.84 |              |
| <b>Samba-Mayela, Cyréna (FRA) (2000)</b> | time          | 2.52  | 3.52     | 4.52    | 5.50 | 6.45 |        | 7.74 | 5 / 2        |
|  | reaction time | 0.141 | interval | 1.00    | 1.00 | 0.98 | 0.95   | 1.29 |              |
|  | velocity      | 5.16  | 8.50     | 8.50    | 8.67 | 8.95 | 10.08  | 7.75 |              |
| <b>Skrzyszowska, Pia (POL) (2001)</b>    | time          | 2.56  | 3.56     | 4.54    | 5.54 | 6.52 |        | 7.79 | 6 / 3        |
|  | reaction time | 0.142 | interval | 1.00    | 0.98 | 1.00 | 0.98   | 1.27 |              |
|  | velocity      | 5.08  | 8.50     | 8.67    | 8.50 | 8.67 | 10.24  | 7.70 |              |
| <b>Russell, Masai (USA) (2001)</b>       | time          | 2.54  | 3.58     | 4.56    | 5.54 | 6.52 |        | 7.81 | 3 / 4        |
|  | reaction time | 0.142 | interval | 1.04    | 0.98 | 0.98 | 0.98   | 1.29 |              |
|  | velocity      | 5.12  | 8.17     | 8.67    | 8.67 | 8.67 | 10.08  | 7.68 |              |
| <b>Lavin, Sarah (IRL) (1994)</b>         | time          | 2.63  | 3.65     | 4.65    | 5.64 | 6.64 |        | 7.91 | 7 / 5        |
|  | reaction time | 0.129 | interval | 1.02    | 1.00 | 0.99 | 1.00   | 1.27 |              |
|  | velocity      | 4.94  | 8.33     | 8.50    | 8.59 | 8.50 | 10.24  | 7.59 |              |
| <b>Taylor, Charisma (BAH) (1999)</b>     | time          | 2.60  | 3.60     | 4.58    | 5.62 | 6.58 |        | 7.92 | 2 / 6        |
|  | reaction time | 0.139 | interval | 7 Steps | 1.00 | 0.98 | 1.04   | 0.96 | 1.34         |
|  | velocity      | 5.00  | 8.50     | 8.67    | 8.17 | 8.85 | 9.70   | 7.58 |              |
| <b>Sember, Cindy (GBR) (1994)</b>        | time          | 2.60  | 3.65     | 4.65    | 5.62 | 6.60 |        | 7.92 | 8 / 7        |
|  | reaction time | 0.164 | interval | 1.05    | 1.00 | 0.97 | 0.98   | 1.32 |              |
|  | velocity      | 5.00  | 8.10     | 8.50    | 8.76 | 8.67 | 9.85   | 7.58 |              |
| <b>Kozak, Luca (HUN) (1996)</b>          | time          | 2.62  | 3.67     | 4.68    | 5.70 | 6.68 |        | 8.01 | 1 / 8        |
|  | reaction time | 0.150 | interval | 1.05    | 1.01 | 1.02 | 0.98   | 1.33 |              |
|  | velocity      | 4.96  | 8.10     | 8.42    | 8.33 | 8.67 | 9.77   | 7.49 |              |



Evaluated with: ObjectusVideo

Quality & Frame Rate: 1920 x 1080 @ 30fps

Timing From: First Movement

Source: <https://www.youtube.com/watch?v=TGFmXPOi7v4>

Biomechanical Analysis

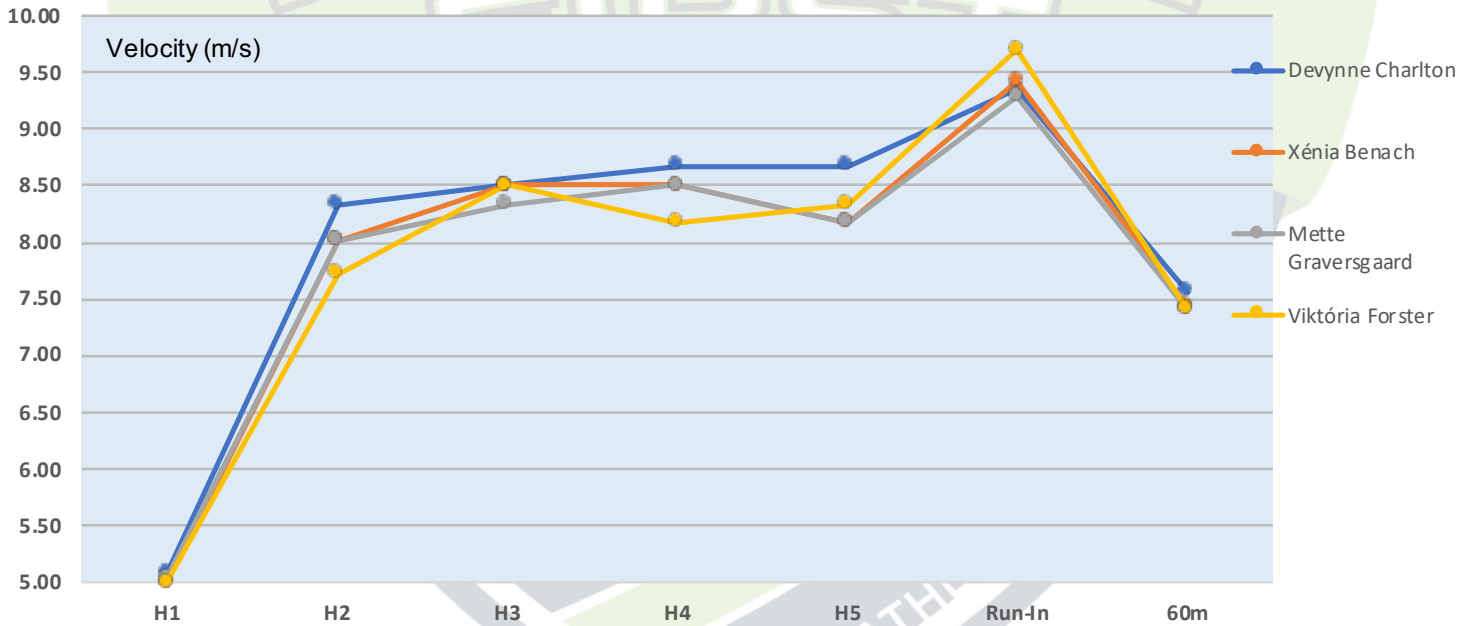
World Athletics Indoor Championships (Glasgow, GBR) (TV Analysis)

Women's 60m Hurdles

Date: 2024.03.03

Heat 3

|   |                   | H1    | H2   | H3   | H4   | H5   | Run-In | 60m  | Lane / Place |
|---|-------------------|-------|------|------|------|------|--------|------|--------------|
| <b>Charlton, Devynne (BAH) (1995)</b>   | time              | 2.56  | 3.58 | 4.58 | 5.56 | 6.54 |        | 7.93 | 6 / 1        |
|   | reaction time     | 0.181 |      |      |      |      |        |      |              |
|   | interval velocity | 5.08  | 8.33 | 8.50 | 8.67 | 8.67 | 9.35   | 7.57 |              |
| <b>Benach, Xénia (ESP) (2000)</b>       | time              | 2.60  | 3.66 | 4.66 | 5.66 | 6.70 |        | 8.08 | 7 / 2        |
|   | reaction time     | 0.124 |      |      |      |      |        |      |              |
|   | interval velocity | 5.00  | 8.02 | 8.50 | 8.50 | 8.17 | 9.42   | 7.43 |              |
| <b>Graversgaard, Mette (DEN) (1995)</b> | time              | 2.58  | 3.64 | 4.66 | 5.66 | 6.70 |        | 8.10 | 5 / 3        |
|   | reaction time     | 0.152 |      |      |      |      |        |      |              |
|   | interval velocity | 5.04  | 8.02 | 8.33 | 8.50 | 8.17 | 9.29   | 7.41 |              |
| <b>Forster, Viktória (SVK) (2002)</b>   | time              | 2.60  | 3.70 | 4.70 | 5.74 | 6.76 |        | 8.10 | 4 / 4        |
|   | reaction time     | 0.145 |      |      |      |      |        |      |              |
|   | interval velocity | 5.00  | 7.73 | 8.50 | 8.17 | 8.33 | 9.70   | 7.41 |              |



Evaluated with: ObjectusVideo

Quality & Frame Rate: 1920 x 1080 @ 30fps

Timing From: First Movement

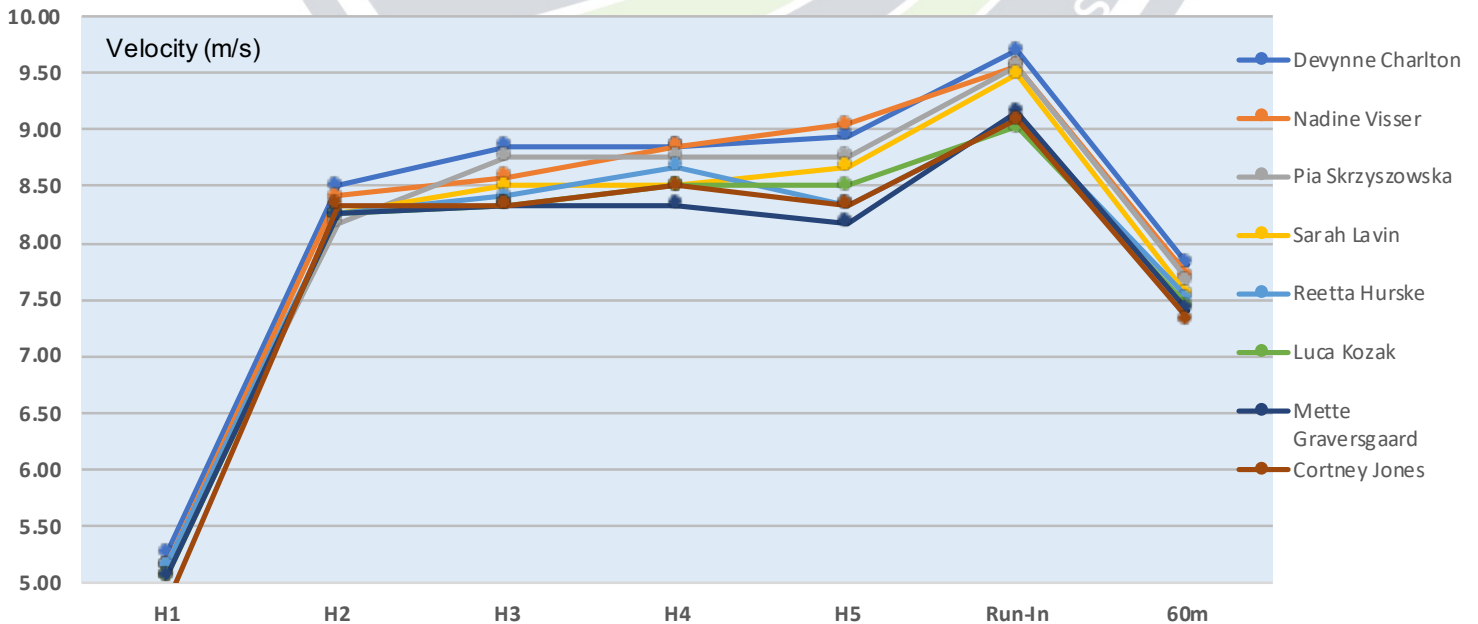
Source: <https://www.youtube.com/watch?v=YNV0pL03r5U>

Women's 60m Hurdles

Date: 2024.02.23

FINAL

|   |                   | H1    | H2   | H3   | H4   | H5   | Run-In | 60m  | Lane / Place |
|---|-------------------|-------|------|------|------|------|--------|------|--------------|
| <b>Charlton, Devynne (BAH) (1995)</b>   | time              | 2.47  | 3.47 | 4.43 | 5.39 | 6.34 |        | 7.68 | 4 / 1        |
|   | reaction time     | 0.139 |      |      |      |      |        |      |              |
|   | interval velocity | 5.26  | 8.50 | 8.85 | 8.85 | 8.95 | 9.70   | 7.81 |              |
| <b>Visser, Nadine (NED) (1995)</b>      | time              | 2.52  | 3.53 | 4.52 | 5.48 | 6.42 |        | 7.78 | 5 / 2        |
|   | reaction time     | 0.136 |      |      |      |      |        |      |              |
|   | interval velocity | 5.16  | 8.42 | 8.59 | 8.85 | 9.04 | 9.56   | 7.71 |              |
| <b>Skrzyszowska, Pia (POL) (2001)</b>   | time              | 2.52  | 3.56 | 4.53 | 5.50 | 6.47 |        | 7.83 | 6 / 3        |
|   | reaction time     | 0.127 |      |      |      |      |        |      |              |
|   | interval velocity | 5.16  | 8.17 | 8.76 | 8.76 | 8.76 | 9.56   | 7.66 |              |
| <b>Lavin, Sarah (IRL) (1994)</b>        | time              | 2.57  | 3.60 | 4.60 | 5.60 | 6.58 |        | 7.95 | 3 / 4        |
|   | reaction time     | 0.142 |      |      |      |      |        |      |              |
|   | interval velocity | 5.06  | 8.25 | 8.50 | 8.50 | 8.67 | 9.49   | 7.55 |              |
| <b>Hurske, Reetta (FIN) (1995)</b>      | time              | 2.52  | 3.55 | 4.56 | 5.54 | 6.56 |        | 7.99 | 2 / 5        |
|   | reaction time     | 0.130 |      |      |      |      |        |      |              |
|   | interval velocity | 5.16  | 8.25 | 8.42 | 8.67 | 8.33 | 9.09   | 7.51 |              |
| <b>Kozak, Luca (HUN) (1996)</b>         | time              | 2.57  | 3.60 | 4.62 | 5.62 | 6.62 |        | 8.06 | 7 / 6        |
|   | reaction time     | 0.148 |      |      |      |      |        |      |              |
|   | interval velocity | 5.06  | 8.25 | 8.33 | 8.50 | 8.50 | 9.03   | 7.44 |              |
| <b>Graversgaard, Mette (DEN) (1995)</b> | time              | 2.57  | 3.60 | 4.62 | 5.64 | 6.68 |        | 8.10 | 8 / 7        |
|   | reaction time     | 0.137 |      |      |      |      |        |      |              |
|   | interval velocity | 5.06  | 8.25 | 8.33 | 8.33 | 8.17 | 9.15   | 7.41 |              |
| <b>Jones, Cortney (USA) (1999)</b>      | time              | 2.70  | 3.72 | 4.74 | 5.74 | 6.76 |        | 8.19 | 1 / 8        |
|   | reaction time     | 0.151 |      |      |      |      |        |      |              |
|   | interval velocity | 4.81  | 8.33 | 8.33 | 8.50 | 8.33 | 9.09   | 7.33 |              |



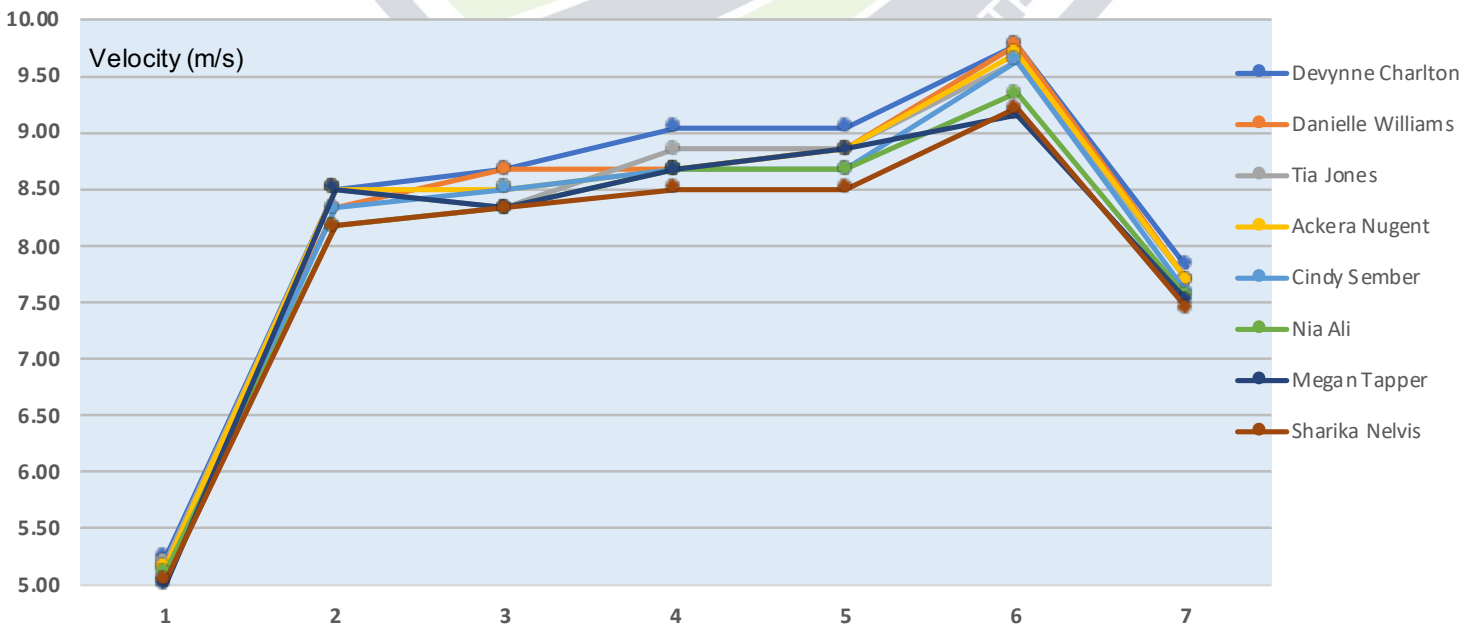
Evaluated with: ObjectusVideo

Quality & Frame Rate: 1920 x 1080 @ 30fps

Timing From: First Movement

Source: <https://www.youtube.com/watch?v=nRs20bhl8bl>

|  |               | H1    | H2       | H3      | H4   | H5   | Run-In | 60m  | Lane / Place |
|--|---------------|-------|----------|---------|------|------|--------|------|--------------|
| <b>Charlton, Devynne (BAH) (1995)</b>  | time          | 2.48  | 3.48     | 4.46    | 5.40 | 6.34 |        | 7.67 | 4 / 1        |
|  | reaction time | 0.168 | interval | 1.00    | 0.98 | 0.94 | 0.94   | 1.33 | WR           |
|  | velocity      | 5.24  | 8.50     | 8.67    | 9.04 | 9.04 | 9.77   | 7.82 |              |
| <b>Williams, Danielle (JAM) (1992)</b> | time          | 2.52  | 3.54     | 4.52    | 5.50 | 6.46 |        | 7.79 | 5 / 2        |
|  | reaction time | 0.127 | interval | 1.02    | 0.98 | 0.98 | 0.96   | 1.33 |              |
|  | velocity      | 5.16  | 8.33     | 8.67    | 8.67 | 8.85 | 9.77   | 7.70 |              |
| <b>Jones, Tia (USA) (2000)</b>         | time          | 2.50  | 3.50     | 4.52    | 5.48 | 6.44 |        | 7.79 | 6 / 3        |
|  | reaction time | 0.181 | interval | 1.00    | 1.02 | 0.96 | 0.96   | 1.35 |              |
|  | velocity      | 5.20  | 8.50     | 8.33    | 8.85 | 8.85 | 9.63   | 7.70 |              |
| <b>Nugent, Ackera (JAM) (2002)</b>     | time          | 2.52  | 3.52     | 4.52    | 5.50 | 6.46 |        | 7.80 | 7 / 4        |
|  | reaction time | 0.168 | interval | 1.00    | 1.00 | 0.98 | 0.96   | 1.34 |              |
|  | velocity      | 5.16  | 8.50     | 8.50    | 8.67 | 8.85 | 9.70   | 7.69 |              |
| <b>Sember, Cindy (GBR) (1994)</b>      | time          | 2.58  | 3.60     | 4.60    | 5.58 | 6.56 |        | 7.91 | 1 / 5        |
|  | reaction time | 0.170 | interval | 1.02    | 1.00 | 0.98 | 0.98   | 1.35 |              |
|  | velocity      | 5.04  | 8.33     | 8.50    | 8.67 | 8.67 | 9.63   | 7.59 |              |
| <b>Ali, Nia (USA) (1988)</b>           | time          | 2.54  | 3.58     | 4.60    | 5.58 | 6.56 |        | 7.95 | 3 / 6        |
|  | reaction time | 0.174 | interval | 1.04    | 1.02 | 0.98 | 0.98   | 1.39 |              |
|  | velocity      | 5.12  | 8.17     | 8.33    | 8.67 | 8.67 | 9.35   | 7.55 |              |
| <b>Tapper, Megan (JAM) (1994)</b>      | time          | 2.60  | 3.60     | 4.62    | 5.60 | 6.56 |        | 7.98 | 8 / 7        |
|  | reaction time | 0.190 | interval | 1.00    | 1.02 | 0.98 | 0.96   | 1.42 | PB           |
|  | velocity      | 5.00  | 8.50     | 8.33    | 8.67 | 8.85 | 9.15   | 7.52 |              |
| <b>Nelvis, Sharika (USA) (1990)</b>    | time          | 2.58  | 3.62     | 4.64    | 5.64 | 6.64 |        | 8.05 | 2 / 8        |
|  | reaction time | 0.173 | interval | 7 steps | 1.04 | 1.02 | 1.00   | 1.41 |              |
|  | velocity      | 5.04  | 8.17     | 8.33    | 8.50 | 8.50 | 9.22   | 7.45 |              |
| <b>Samuel, Aleesa (USA) (2007)</b>     | time          | 2.58  | 3.64     | 4.70    | 5.74 | 6.82 |        | 8.26 | 9 / 9        |
|  | reaction time | 0.202 | interval | 1.06    | 1.06 | 1.04 | 1.08   | 1.44 | PB           |
|  | velocity      | 5.04  | 8.02     | 8.02    | 8.17 | 7.87 | 9.03   | 7.26 |              |



Evaluated with: ObjectusVideo

Quality & Frame Rate: 1920 x 1080 @ 30fps

Timing From: First Movement

Source: [https://www.youtube.com/watch?v=SAsTHD\\_mEE](https://www.youtube.com/watch?v=SAsTHD_mEE)



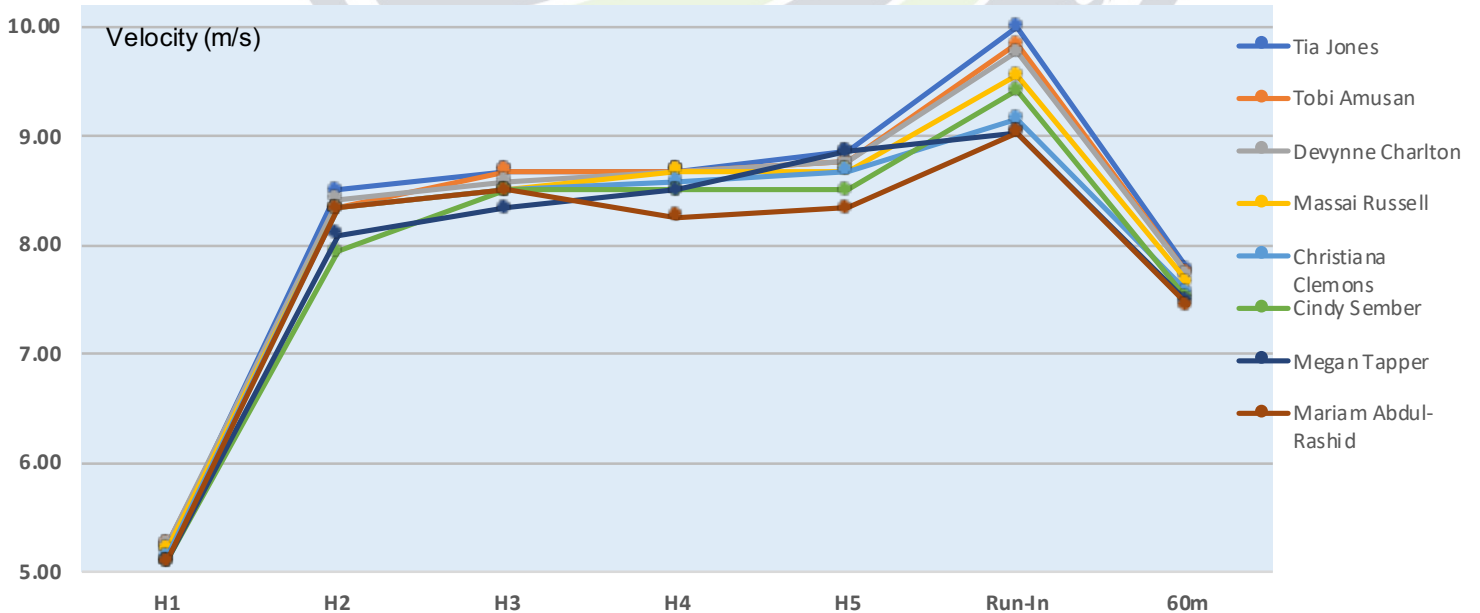
New Balance Indoor Grand Prix (Boston, MA) (TV Analysis)

Women's 60m Hurdles

Date: 2024.02.04

FINAL

|  |                   | H1    | H2   | H3   | H4   | H5   | Run-In | 60m  | Lane / Place |
|--|-------------------|-------|------|------|------|------|--------|------|--------------|
| <b>Jones, Tia (USA) (2000)</b>           | time              | 2.50  | 3.50 | 4.48 | 5.46 | 6.42 |        | 7.72 | 3 / 1        |
|  | reaction time     | 0.153 |      |      |      |      |        | PB   |              |
|  | interval velocity | 5.20  | 8.50 | 8.67 | 8.67 | 8.85 | 10.00  | 7.77 |              |
| <b>Amusan, Tobi (NGR) (1997)</b>         | time              | 2.48  | 3.50 | 4.48 | 5.46 | 6.43 |        | 7.75 | 4 / 2        |
|  | reaction time     | 0.147 |      |      |      |      |        | NR   |              |
|  | interval velocity | 5.24  | 8.33 | 8.67 | 8.67 | 8.76 | 9.85   | 7.74 |              |
| <b>Charlton, Devynne (BAH) (1995)</b>    | time              | 2.48  | 3.49 | 4.48 | 5.46 | 6.43 |        | 7.76 | 5 / 3        |
|  | reaction time     | 0.167 |      |      |      |      |        |      |              |
|  | interval velocity | 5.24  | 8.42 | 8.59 | 8.67 | 8.76 | 9.77   | 7.73 |              |
| <b>Russell, Masai (USA) (2001)</b>       | time              | 2.50  | 3.52 | 4.52 | 5.50 | 6.48 |        | 7.84 | 6 / 4        |
|  | reaction time     | 0.174 |      |      |      |      |        |      |              |
|  | interval velocity | 5.20  | 8.33 | 8.50 | 8.67 | 8.67 | 9.56   | 7.65 |              |
| <b>Clemons, Christina (USA) (1990)</b>   | time              | 2.53  | 3.55 | 4.55 | 5.54 | 6.52 |        | 7.94 | 8 / 5        |
|  | reaction time     | 0.182 |      |      |      |      |        |      |              |
|  | interval velocity | 5.14  | 8.33 | 8.50 | 8.59 | 8.67 | 9.15   | 7.56 |              |
| <b>Sember, Cindy (GBR) (1994)</b>        | time              | 2.55  | 3.62 | 4.62 | 5.62 | 6.62 |        | 8.00 | 2 / 5        |
|  | reaction time     | 0.490 |      |      |      |      |        |      |              |
|  | interval velocity | 5.10  | 7.94 | 8.50 | 8.50 | 8.50 | 9.42   | 7.50 |              |
| <b>Tapper, Megan (JAM) (1994)</b>        | time              | 2.55  | 3.60 | 4.62 | 5.62 | 6.58 |        | 8.02 | 7 / 7        |
|  | reaction time     | 0.189 |      |      |      |      |        |      |              |
|  | interval velocity | 5.10  | 8.10 | 8.33 | 8.50 | 8.85 | 9.03   | 7.48 |              |
| <b>Abdul-Rashid, Mariam (CAN) (1997)</b> | time              | 2.55  | 3.57 | 4.57 | 5.60 | 6.62 |        | 8.06 | 1 / 8        |
|  | reaction time     | 0.125 |      |      |      |      |        |      |              |
|  | interval velocity | 5.10  | 8.33 | 8.50 | 8.25 | 8.33 | 9.03   | 7.44 |              |



Evaluated with: ObjectusVideo

Quality & Frame Rate: 1920 x 1080 @ 30fps

Timing From: First Movement

Source: <https://www.youtube.com/watch?v=E9DtW2evWlg>

Biomechanical Analysis

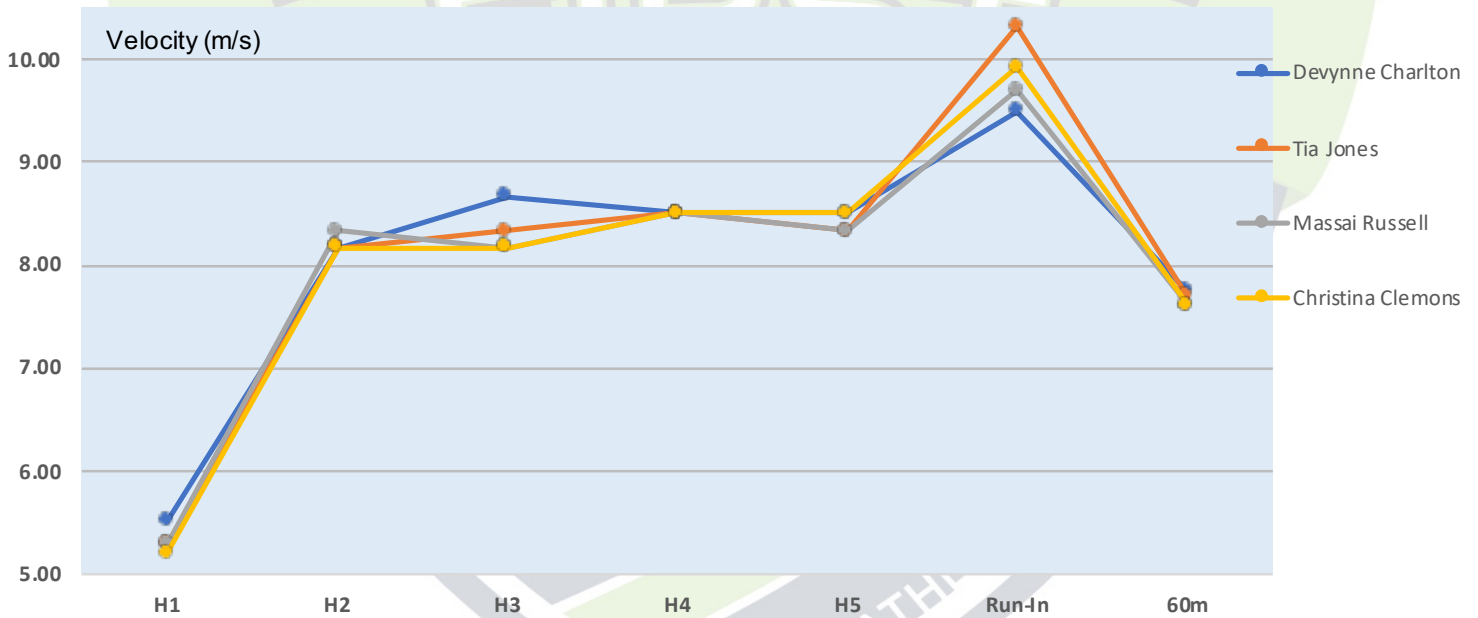
Corky Classic (Lubbock, TX) (TV Analysis)

Women's 60m Hurdles

Date: 2024.01.20

FINAL

|                                 |                   | H1   | H2   | H3   | H4   | H5   | Run-In | 60m   | Lane / Place |
|---------------------------------|-------------------|------|------|------|------|------|--------|-------|--------------|
| Charlton, Devynne (BAH) (1995)  | time              | 2.36 | 3.40 | 4.38 | 5.38 | 6.38 |        | 7.75  | 4 / 1        |
|                                 | reaction time     |      |      |      |      |      | 1.37   | NR PB |              |
|                                 | interval velocity | 5.51 | 8.17 | 8.67 | 8.50 | 8.50 | 9.49   | 7.74  |              |
| Jones, Tia (USA) (2000)         | time              | 2.46 | 3.50 | 4.52 | 5.52 | 6.54 |        | 7.80  | 5 / 2        |
|                                 | reaction time     |      |      |      |      |      | 1.26   | PB    |              |
|                                 | interval velocity | 5.28 | 8.17 | 8.33 | 8.50 | 8.33 | 10.32  | 7.69  |              |
| Russell, Masai (USA) (2001)     | time              | 2.46 | 3.48 | 4.52 | 5.52 | 6.54 |        | 7.88  | 3 / 3        |
|                                 | reaction time     |      |      |      |      |      | 1.34   |       |              |
|                                 | interval velocity | 5.28 | 8.33 | 8.17 | 8.50 | 8.33 | 9.70   | 7.61  |              |
| Clemons, Christina (USA) (1990) | time              | 2.50 | 3.54 | 4.58 | 5.58 | 6.58 |        | 7.89  | 2 / 4        |
|                                 | reaction time     |      |      |      |      |      | 1.31   |       |              |
|                                 | interval velocity | 5.20 | 8.17 | 8.17 | 8.50 | 8.50 | 9.92   | 7.60  |              |



Evaluated with: ObjectusVideo

Quality & Frame Rate: 1920 x 1080 @ 30fps

Timing From: First Movement

Source: <https://www.youtube.com/watch?v=tfI79zrg8DQ>

Biomechanical Analysis

World Athletics Indoor Championships (Glasgow, GBR) (TV Analysis)

Women's 60m Hurdles

Date: 2024.03.03

Semi-Final 3

|                               |                   |       | H1      | H2      | H3      | H4      | H5      | Run-In | 60m  | Lane / Place |
|-------------------------------|-------------------|-------|---------|---------|---------|---------|---------|--------|------|--------------|
| Russell, Masai (USA) (2001)   | time              |       |         |         |         |         |         |        | 7.79 | 6 / 1        |
|                               | reaction time     | 0.148 |         |         |         |         |         |        |      |              |
|                               | interval velocity |       | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | 1.67   | 7.70 |              |
| Taylor, Charisma (BAH) (1999) | time              |       |         |         |         |         |         |        | 7.91 | 1 / 2        |
|                               | reaction time     | 0.144 |         |         |         |         |         |        | PB   |              |
|                               | interval velocity |       | 7 Steps | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | 1.64   | 7.59 |              |

Date: 2024.03.03

Semi-Final 2

|                                   |                   |       | H1      | H2      | H3      | H4      | H5      | Run-In | 60m  | Lane / Place |
|-----------------------------------|-------------------|-------|---------|---------|---------|---------|---------|--------|------|--------------|
| Samba-Mayela, Cyréna (FRA) (2000) | time              |       |         |         |         |         |         |        | 7.73 | 4 / 1        |
|                                   | reaction time     | 0.152 |         |         |         |         |         |        | NR   |              |
|                                   | interval velocity |       | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | 1.68   | 7.76 |              |
| Lavin, Sarah (IRL) (1994)         | time              |       |         |         |         |         |         |        | 7.90 | 6 / 2        |
|                                   | reaction time     | 0.129 |         |         |         |         |         |        | PB   |              |
|                                   | interval velocity |       | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | 1.65   | 7.59 |              |
| Kozak, Luca (HUN) (1996)          | time              |       |         |         |         |         |         |        | 7.95 | 5 / 3        |
|                                   | reaction time     | 0.141 |         |         |         |         |         |        |      |              |
|                                   | interval velocity |       | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | 1.64   | 7.55 |              |

Date: 2024.03.03

Semi-Final 1

|                                |                   |       | H1      | H2      | H3      | H4      | H5      | Run-In | 60m  | Lane / Place |
|--------------------------------|-------------------|-------|---------|---------|---------|---------|---------|--------|------|--------------|
| Charlton, Devynne (BAH) (1995) | time              |       |         |         |         |         |         |        | 7.72 | 5 / 1        |
|                                | reaction time     | 0.148 |         |         |         |         |         |        |      |              |
|                                | interval velocity |       | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | 1.68   | 7.77 |              |
| Skrzyszowska, Pia (POL) (2001) | time              |       |         |         |         |         |         |        | 7.78 | 6 / 2        |
|                                | reaction time     | 0.129 |         |         |         |         |         |        | PB   |              |
|                                | interval velocity |       | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | 1.67   | 7.71 |              |
| Sember, Cindy (GBR) (1994)     | time              |       |         |         |         |         |         |        | 7.95 | 4 / 3        |
|                                | reaction time     | 0.165 |         |         |         |         |         |        |      |              |
|                                | interval velocity |       | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | 1.64   | 7.55 |              |



Evaluated with: ObjectusVideo  
 Quality & Frame Rate: 1920 x 1080 @ 25fps  
 Timing From: First Movement  
 Source: [Redacted]