



Korean Society of Sport Biomechanics

Scientific Research Project
Biomechanical Analyses
at the
IAAF World Championships Daegu 2011

Triple Jump Women – Final

(September 1, 2011)



Korean Society of Sport Biomechanics



Biomechanical Analysis of Triple Jump Women - Final

| Rank | Name | Jump distance(m) | Stride length(m) | | | | Relative dist.(%) | | |
|-----------------|----------------------------|------------------|------------------|------|------|------|-------------------|------|------|
| | | | 1L | Hop | Step | Jump | Hop | Step | Jump |
| 1 st | Olha SALADUHA (UKR) | 14.94 | 2.14 | 5.72 | 4.19 | 5.03 | 38 | 28 | 34 |
| 2 nd | Olga RYPAKOVA (KAZ) | 14.89 | 2.71 | 5.4 | 4.17 | 5.32 | 36 | 28 | 36 |
| 3 rd | Caterine IBARGUEN (COL) | 14.84 | 2.13 | 5.46 | 4.25 | 5.13 | 37 | 29 | 34 |

| Rank | Name | Horizontal velocity (m/s) | | | | Loss of horizontal velocity(m/s) | | | Vertical velocity (m/s) | | | Angle of take-off(°) | | |
|-----------------|----------------------------|------------------------------|------|------|------|-------------------------------------|------|------|----------------------------|------|------|----------------------|-------|-------|
| | | 1L | Hop | Step | Jump | Hop | Step | Jump | Hop | Step | Jump | Hop | Step | Jump |
| 1 st | Olha SALADUHA (UKR) | 9.02 | 8.14 | 7.15 | 5.9 | 0.88 | 0.99 | 1.25 | 2.16 | 1.66 | 2.33 | 14.86 | 13.07 | 21.55 |
| 2 nd | Olga RYPAKOVA (KAZ) | 9.42 | 8.40 | 7.99 | 7.08 | 1.02 | 0.41 | 0.91 | 2.09 | 1.59 | 2.39 | 13.97 | 11.25 | 18.65 |
| 3 rd | Caterine IBARGUEN (COL) | 9.49 | 8.40 | 7.91 | 6.26 | 1.09 | 0.49 | 1.65 | 2.21 | 1.95 | 2.54 | 14.74 | 13.85 | 22.08 |