



Türkiye Atletizm Federasyonu Projesidir
A Project by the Turkish Athletic Federation

BIOMEKANİK ANALİZ RAPORU

BIOMECHANICAL ANALYSIS REPORT

(TÜRK SPORCULARIN ANALİZLERİ İLE GENİŞLETİLMİŞ RAPOR)



Balkan Salon Şampiyonası
Balkan Indoor Championships
16 Şubat 2019 / 16 February 2019
ISTANBUL

Uzun Atlama Kadınlar / *Long Jump Women*
Uzun Atlama Erkekler / *Long Jump Men*
Üç Adım Atlama Kadınlar / *Triple Jump Women*
Üç Adım Atlama Erkekler / *Triple Jump Men*

Uzun Atlama Kadınlar

Long Jump Women's

MARYNA BEKH-ROMANCHUK

6,76 m



FLORENTINA COSTINA IUSCO

6,39 m



MILENA MITKOVA 6,26 m



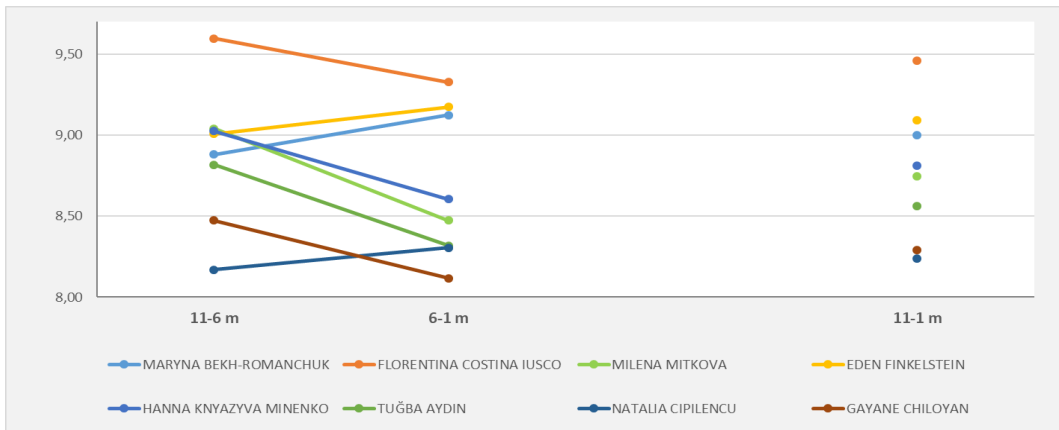


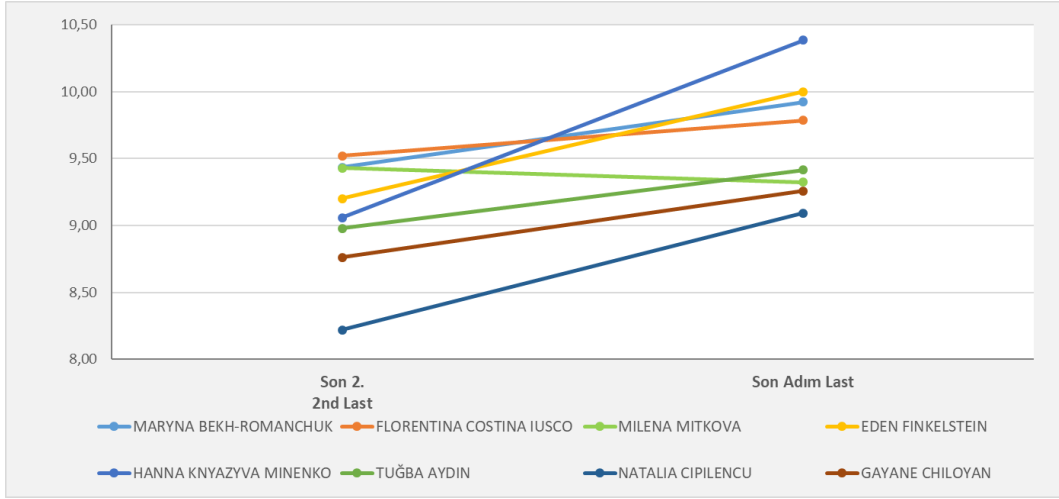
Sporcu Athlete	Ülke Country	Doğum Tarihi Date of Birth	Derece Official Distance [m]	Gerçek Derece Real Distance [m]	Sıçramada Kayıp Take-off Loss [m]
MARYNA BEKH-ROMANCHUK	UKR	18.07.1995	6,76	6,82	0,06
FLORENTINA COSTINA IUSCO	ROU	08.04.1996	6,39	6,44	0,05
MILENA MITKOVA	BUL	01.01.1990	6,26	6,30	0,04
EDEN FINKELSTEIN	ISR	09.04.2000	6,21	6,23	0,02
HANNA KNYAZYVA MINENKO	ISR	25.09.1989	6,13	6,25	0,12
TUĞBA AYDIN	TUR	25.08.1994	5,86	5,90	0,04
NATALIA CIPILENCU	MDA	20.09.1991	5,64	5,64	0,00
GAYANE CHILOYAN	ARM	27.09.2000	5,63	5,66	0,03

Yaklaşma Koşusu Hızları [m/s]

Run-up Velocities [m/s]

Sporcu Athlete	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]			Adım Hızları Strides Velocity [m/s]	
		11-6 m	6-1 m	11-1 m	Son 2. 2 nd Last	Son Adım Last
MARYNA BEKH-ROMANCHUK	6,76	8,88	9,12	9,00	9,43	9,92
FLORENTINA COSTINA IUSCO	6,39	9,60	9,33	9,46	9,52	9,78
MILENA MITKOVA	6,26	9,04	8,47	8,75	9,43	9,32
EDEN FINKELSTEIN	6,21	9,01	9,17	9,09	9,20	10,00
HANNA KNYAZYVA MINENKO	6,13	9,03	8,61	8,81	9,06	10,38
TUĞBA AYDIN	5,86	8,82	8,32	8,56	8,98	9,42
NATALIA CIPILENCU	5,64	8,17	8,31	8,24	8,22	9,09
GAYANE CHILOYAN	5,63	8,47	8,12	8,29	8,76	9,26

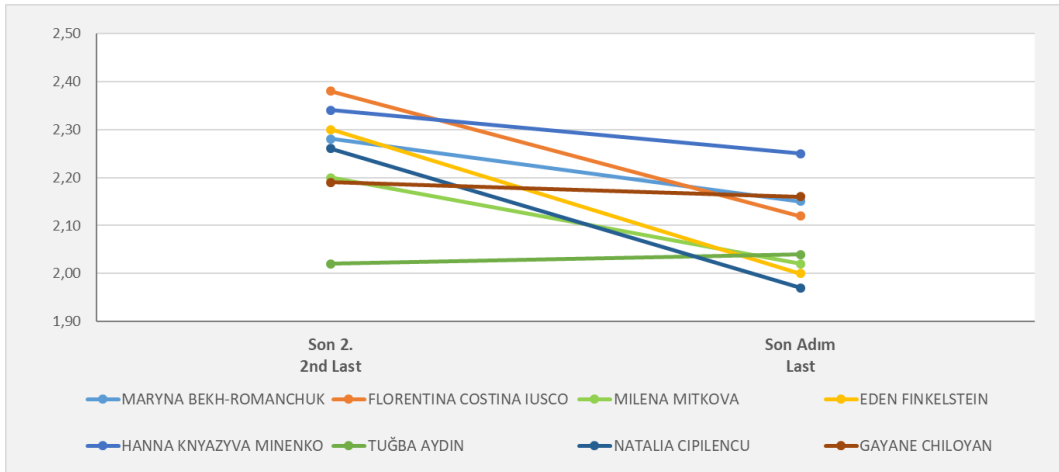




Yaklaşma Koşusu Son 2 Adım Uzunlukları [m]

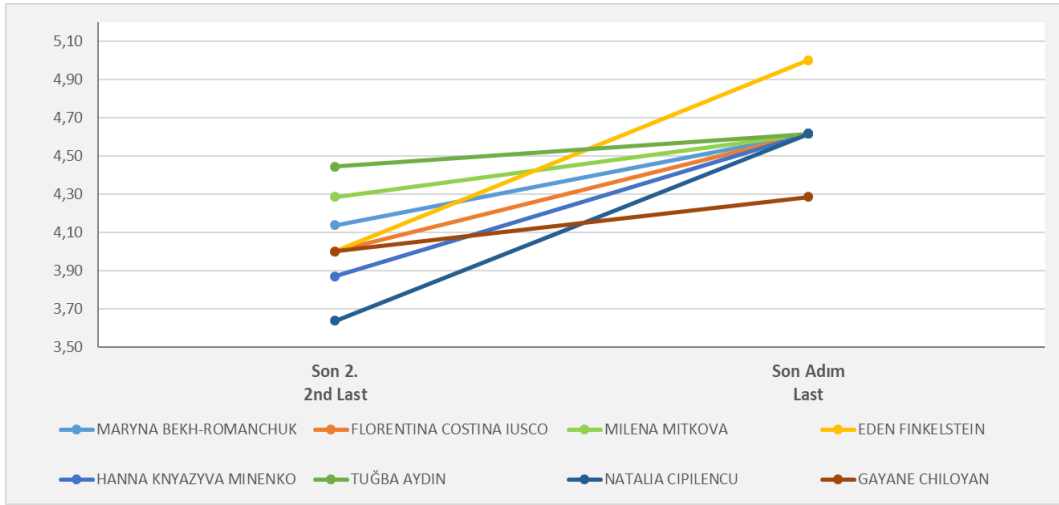
Length of Last 2 Strides [m]

Sporcu Athlete	Derece Official Distance [m]	Adım Uzunlukları Length of Strides [m]		Yüzde Oranı Percentage [%]
		Son 2. 2 nd Last	Son Adım Last	
MARYNA BEKH-ROMANCHUK	6,76	2,28	2,15	94
FLORENTINA COSTINA IUSCO	6,39	2,38	2,12	89
MILENA MITKOVA	6,26	2,20	2,02	92
EDEN FINKELSTEIN	6,21	2,30	2,00	87
HANNA KNYAZYVA MINENKO	6,13	2,34	2,25	96
TUĞBA AYDIN	5,86	2,02	2,04	101
NATALIA CIPILENCU	5,64	2,26	1,97	87
GAYANE CHILOYAN	5,63	2,19	2,16	99



Yaklaşma Koşusu Son 2 Adım Frekansları [adım/s]
Frequency of Last 2 Strides [strides/s]

Sporcu Athlete	Derece Official Distance [m]	Frekans Frequency [strides/s]	
		Son 2. 2 nd Last	Son Adım Last
MARYNA BEKH-ROMANCHUK	6,76	4,14	4,62
FLORENTINA COSTINA IUSCO	6,39	4,00	4,62
MILENA MITKOVA	6,26	4,29	4,62
EDEN FINKELSTEIN	6,21	4,00	5,00
HANNA KNYAZYVA MINENKO	6,13	3,87	4,62
TUĞBA AYDIN	5,86	4,44	4,62
NATALIA CIPLENCU	5,64	3,64	4,62
GAYANE CHILOYAN	5,63	4,00	4,29



Yaklaşma Koşusu Son İki Adım Destek Süreleri [s]

Durations of Support Phase of Last 2 Strides [s]

Sporcu Athlete	Derece Official Distance [m]	Destek Süreleri Durations of Support [s]	
		Son 2. 2 nd Last	Take-off
MARYNA BEKH-ROMANCHUK	6,76	0,092	0,125
FLORENTINA COSTINA IUSCO	6,39	0,108	0,125
MILENA MITKOVA	6,26	0,108	0,125
EDEN FINKELSTEIN	6,21	0,108	0,117
HANNA KNYAZYVA MINENKO	6,13	0,100	0,108
TUĞBA AYDIN	5,86	0,108	0,125
NATALIA CIPILENCU	5,64	0,125	0,125
GAYANE CHILOYAN	5,63	0,117	0,125





Müsabakaya Katılan Tüm Sporcuların Yaklaşma Koşusu Hız Değerleri [m/s]

Run-up Velocities of All Competitors [m/s]

Sporcu Athlete	Deneme Attempt	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]		
			11-6 m	6-1 m	11-1 m
MARYNA BEKH-ROMANCHUK - (UKR)	1	6,49	8,65	9,11	8,87
	2	X	9,12	8,71	8,91
	3	6,70	8,74	9,19	8,96
	4	X	8,88	9,12	9,00
	5	X	8,85	9,14	8,99
	6	6,76	8,88	9,12	9,00
FLORENTINA COSTINA IUSCO - (ROU)	1	6,38	8,99	9,40	9,19
	2	X	9,38	9,49	9,43
	3	6,39	9,60	9,33	9,46
	4	X	9,56	9,28	9,42
	5	X	9,60	9,11	9,35
	6	6,26	9,43	9,31	9,37
MILENA MITKOVA - (BUL)	1	6,00	8,32	8,76	8,53
	2	6,26	9,04	8,47	8,75
	3	6,15	8,82	8,90	8,86
	4	6,22	9,40	8,38	8,86
	5	6,14	9,16	8,50	8,82
	6	6,22	9,14	8,58	8,85
EDEN FINKELSTEIN - (ISR)	1	6,21	9,01	9,17	9,09
	2	5,77	9,16	8,94	9,05
	3	5,65	9,12	8,96	9,04
	4	X	8,98	8,62	8,80
	5	X	8,96	9,12	9,04
	6	6,00	8,91	9,14	9,03



Sporcu Athlete	Deneme Attempt	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]		
			11-6 m	6-1 m	11-1 m
HANNA KNYAZYVA MINENKO - (ISR)	1	6,13	9,03	8,61	8,81
	2	6,13	8,33	8,56	8,45
	3	5,88	8,85	8,53	8,69
	4	6,11	9,24	8,29	8,74
	5	X	8,33	8,61	8,47
	6	X	9,07	8,55	8,80
TUĞBA AYDIN - (TUR)	1	5,83	8,76	8,28	8,51
	2	X	8,87	8,14	8,49
	3	5,86	8,82	8,32	8,56
	4	X	9,01	8,16	8,56
	5	5,65	8,62	8,29	8,45
	6	X	8,93	8,03	8,45
NATALIA CIPILENCU - (MDA)	1	X	7,70	8,24	7,96
	2	5,64	8,17	8,31	8,24
	3	X	7,22	8,04	7,60
	4	4,13	8,13	8,09	8,11
	5	X	8,46	7,95	8,20
	6	4,33	8,16	8,10	8,13
GAYANE CHILOYAN - (ARM)	1	5,63	8,47	8,12	8,29
	2	5,46	8,08	8,42	8,24
	3	5,51	8,36	8,58	8,47
	4	X	8,22	8,53	8,38
	5	X	8,25	8,24	8,24
	6	X	8,29	8,38	8,33
LJILJANA MATOVIC - (MNE)	1	5,52	8,09	8,16	8,12
	2	5,56	8,10	8,32	8,21
	3	5,60	8,03	8,31	8,16



Sporcu Athlete	Deneme Attempt	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]		
			11-6 m	6-1 m	11-1 m
YELENA PEKHTIREVA - (AZE)	1	5,54	8,39	8,65	8,52
	2	5,43	8,26	8,56	8,41
	3	X	8,32	8,55	8,43
MARIETA MINASYAN - (ARM)	1	X	8,38	7,91	8,14
	2	5,18	8,59	7,54	8,03
	3	5,21	8,64	7,78	8,18
ECEM ÇALAĞAN - (TUR)	1	X	8,49	8,83	8,66
	2	X	8,42	8,77	8,59
	3	X	8,70	8,49	8,59

Uzun Atlama Erkekler

Long Jump Men's

GABRIEL BITAN

7,74 m



IZMIR SMAJLAJ

7,70 m



STRAHINJA JOVANCEVIC **7,58 m**

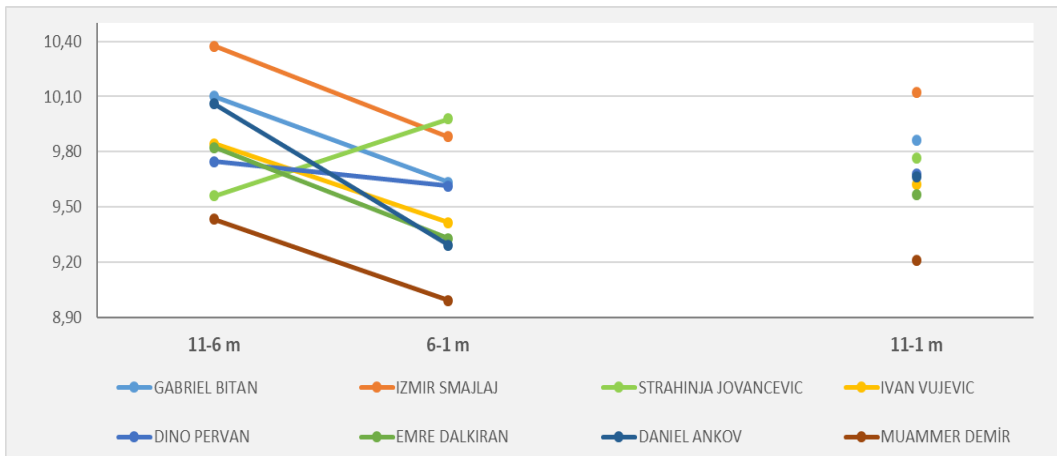


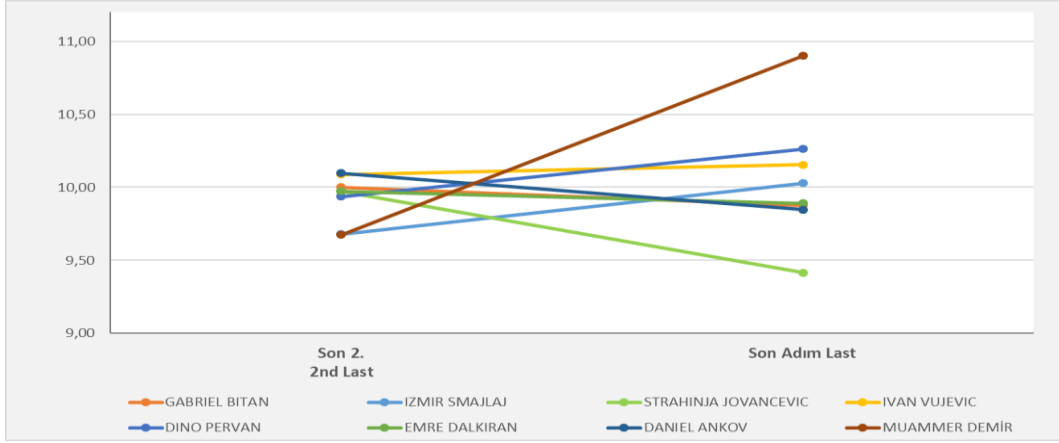
Sporcu Athlete	Ülke Country	Doğum Tarihi Date of Birth	Derece Official Distance [m]	Gerçek Derece Real Distance [m]	Siçramada Kayıp Take-off Loss [m]
GABRIEL BITAN	ROU	23.07.1998	7,74	7,75	0,01
IZMIR SMAJLAJ	ALB	29.03.1993	7,70	7,81	0,11
STRAHINJA JOVANCEVIC	SRB	01.01.1993	7,58	7,59	0,01
IVAN VUJEVIC	CRO	30.08.1998	7,53	7,54	0,01
DINO PERVAN	CRO	12.01.1991	7,50	7,53	0,03
EMRE DALKIRAN	TUR	16.03.1997	7,49	7,51	0,02
DANIEL ANKOV	BUL	01.01.1995	7,47	7,50	0,03
MUAMMER DEMİR	TUR	17.02.1995	7,42	7,42	0,00

Yaklaşma Koşusu Hızları [m/s]

Run-up Velocity [m/s]

Sporcu Athlete	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]			Adım Hızları Strides Velocity [m/s]	
		11-6 m	6-1 m	11-1 m	Son 2. 2 nd Last	Son Adım Last
GABRIEL BITAN	7,74	10,10	9,63	9,86	10,00	9,88
IZMIR SMAJLAJ	7,70	10,37	9,88	10,12	9,68	10,03
STRAHINJA JOVANCEVIC	7,58	9,56	9,98	9,77	9,97	9,42
IVAN VUJEVIC	7,53	9,84	9,42	9,62	10,09	10,15
DINO PERVAN	7,50	9,75	9,62	9,68	9,94	10,26
EMRE DALKIRAN	7,49	9,82	9,33	9,57	9,97	9,89
DANIEL ANKOV	7,47	10,06	9,29	9,66	10,10	9,85
MUAMMER DEMİR	7,42	9,43	8,99	9,21	9,68	10,90

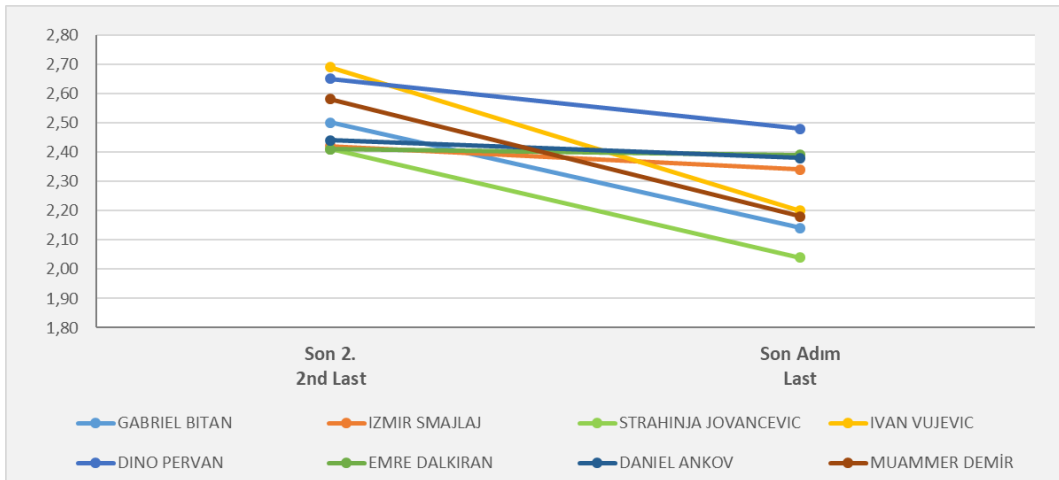




Yaklaşma Koşusu Son 2 Adım Uzunlukları [m]

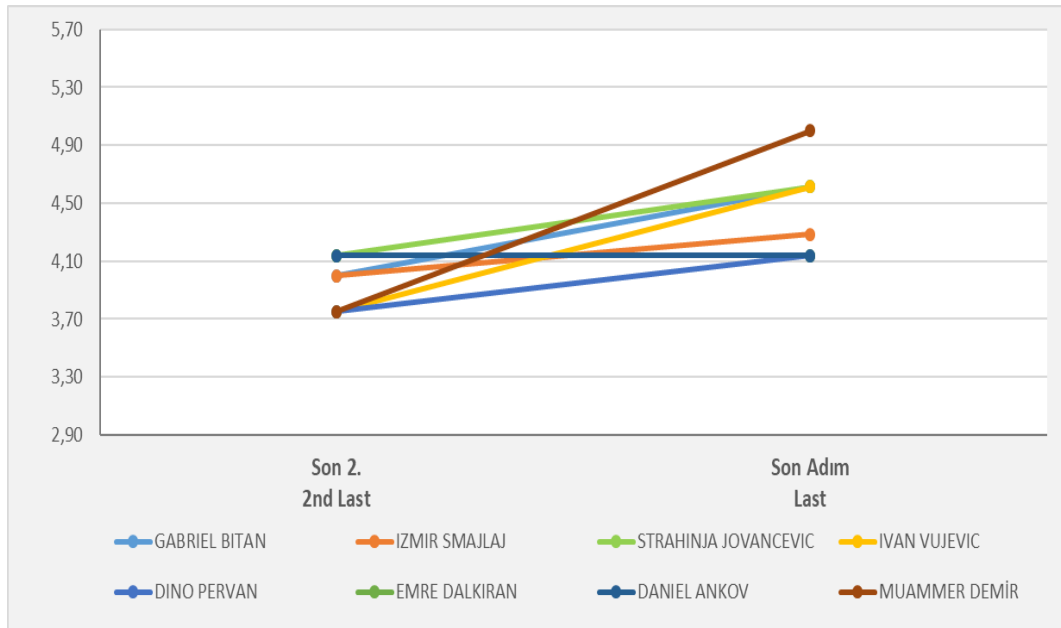
Length of last 2 strides [m]

Sporcu Athlete	Derece Official Distance [m]	Adım Uzunlukları Length of Strides [m]		Yüzde Oranı Percentage [%]
		Son 2. 2 nd Last	Son Adım Last	
GABRIEL BITAN	7,74	2,50	2,14	86
IZMIR SMAJLAJ	7,70	2,42	2,34	97
STRAHINJA JOVANCEVIC	7,58	2,41	2,04	85
IVAN VUJEVIC	7,53	2,69	2,2	82
DINO PERVAN	7,50	2,65	2,48	94
EMRE DALKIRAN	7,49	2,41	2,39	99
DANIEL ANKOV	7,47	2,44	2,38	98
MUAMMER DEMİR	7,42	2,58	2,18	84



Yaklaşma Koşusu Son 2 Adım Frekansları [adım/s]
Frequency of last 2 strides [strides /s]

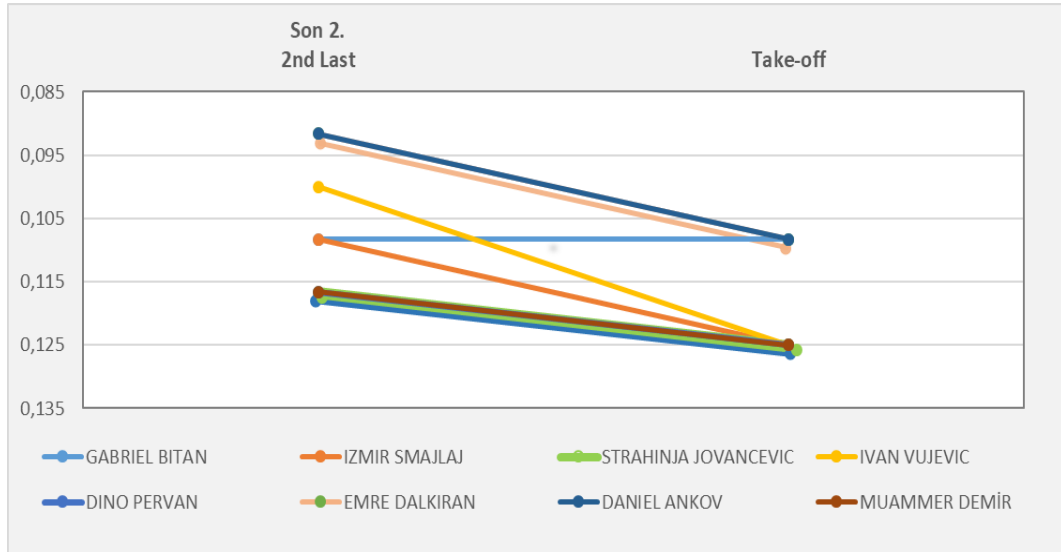
Sporcu Athlete	Derece Official Distance [m]	Frekans Frequency [strides/s]	
		Son 2. 2 nd Last	Son Adım Last
GABRIEL BITAN	7,74	4,00	4,62
IZMIR SMAJLAJ	7,70	4,00	4,29
STRAHINJA JOVANCEVIC	7,58	4,14	4,62
IVAN VUJEVIC	7,53	3,75	4,62
DINO PERVAN	7,50	3,75	4,14
EMRE DALKIRAN	7,49	4,14	4,14
DANIEL ANKOV	7,47	4,14	4,14
MUAMMER DEMİR	7,42	3,75	5,00



Yaklaşma Koşusu Son İki Adım Destek Süreleri [s]

Durations of support phase of last 2 strides [s]

Sporcu Athlete	Derece Official Distance [m]	Destek Süreleri Durations of Support [s]	
		Son 2. 2 nd Last	Take-off
GABRIEL BITAN	7,74	0,108	0,108
IZMIR SMAJLAJ	7,70	0,108	0,125
STRAHINJA JOVANCEVIC	7,58	0,117	0,125
IVAN VUJEVIC	7,53	0,100	0,125
DINO PERVAN	7,50	0,117	0,125
EMRE DALKIRAN	7,49	0,092	0,108
DANIEL ANKOV	7,47	0,092	0,108
MUAMMER DEMİR	7,42	0,117	0,125





Müsabakaya Katılan Tüm Sporcuların Yaklaşma Koşusu Hız Değerleri [m/s]

Run-up Velocities of all competitors [m/s]

Sporcu Athlete	Deneme Attempt	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]		
			11-6 m	6-1 m	11-1 m
GABRIEL BITAN - (ROU)	1	7,47	9,58	9,96	9,77
	2	X	9,94	9,60	9,77
	3	7,74	10,10	9,63	9,86
	4	X	10,06	9,86	9,96
	5	X	9,98	9,62	9,79
	6	X	9,73	9,82	9,78
IZMIR SMAJLAJ - (ALB)	1	X	10,46	9,92	10,18
	2	7,55	9,98	9,94	9,96
	3	7,62	10,02	10,02	10,02
	4	X	9,94	10,14	10,04
	5	X	10,22	9,98	10,10
	6	7,70	10,37	9,88	10,12
STRAHINJA JOVANCEVIC - (SRB)	1	7,49	9,67	9,52	9,60
	2	X	9,47	9,82	9,64
	3	X	9,71	9,60	9,65
	4	7,52	9,69	9,80	9,75
	5	X	9,84	9,88	9,86
	6	7,58	9,56	9,98	9,77
IVAN VUJEVIC - (CRO)	1	7,29	10,18	9,73	9,95
	2	7,53	9,84	9,42	9,62
	3	7,37	9,92	9,49	9,70
	4	7,34	9,45	10,06	9,75
	5	7,42	10,10	9,19	9,62
	6	7,30	10,25	9,38	9,79
DINO PERVAN - (CRO)	1	7,20	9,58	9,75	9,66
	2	X	9,98	9,42	9,69
	3	X	9,52	9,86	9,69
	4	7,50	9,75	9,62	9,68
	5	X	9,86	9,65	9,76
	6	7,43	9,98	10,08	10,03



Sporcu Athlete	Deneme Attempt	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]		
			11-6 m	6-1 m	11-1 m
EMRE DALKIRAN - (TUR)	1	7,00	9,11	9,69	9,39
	2	X	9,40	9,77	9,58
	3	7,49	9,82	9,33	9,57
	4	7,49	9,73	9,21	9,46
	5	X	9,98	9,17	9,56
	6	7,42	9,92	9,43	9,67
DANIEL ANKOV - (BUL)	1	7,39	10,20	9,19	9,67
	2	X	9,98	9,35	9,65
	3	7,47	10,06	9,29	9,66
	4	X	10,04	9,35	9,68
	5	X	9,58	9,90	9,74
	6	7,30	9,94	9,31	9,62
MUAMMER DEMİR - (TUR)	1	7,33	9,62	9,12	9,36
	2	X	9,54	9,14	9,34
	3	X	9,56	9,12	9,34
	4	7,34	9,54	9,16	9,35
	5	7,42	9,43	8,99	9,21
	6	X	9,65	9,19	9,42
ARTAK HAMBARDZUMYAN - (ARM)	1	7,14	9,36	9,38	9,37
	2	X	8,96	9,56	9,25
	3	6,83	9,77	9,21	9,48
ERUDIT RYSHA - (KOS)	1	6,56	9,07	9,16	9,12
	2	6,79	8,59	9,24	8,90
	3	X	8,62	9,28	8,94
ARAMAYIS SARGSYAN - (ARM)	1	X	9,40	9,21	9,30
	2	6,72	9,23	9,17	9,20
	3	6,32	8,90	9,24	9,07
SAID NAJAFZADE - (AZE)	1	X	9,35	8,77	9,05
	2	6,61	9,38	8,74	9,05
	3	6,69	9,43	9,19	9,31

Üçadım Atlama Kadınlar

Triple Jump Women's

ANNA KRASUTSKA

13,77 m



CRISTINA IOANA BUJIN

13,47 m



PAOLA BOROVIĆ

13,38 m



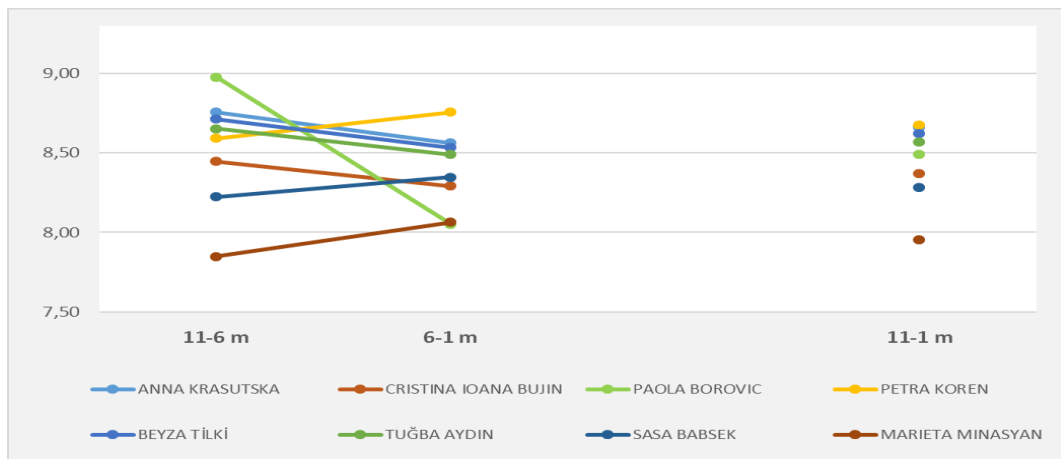


Sporcu Athlete	Ülke Country	Doğum Tarihi Date of Birth	Derece Official Distance [m]	Gerçek Derece Real Distance [m]	Sıçramada Kayıp Take-off Loss [m]
ANNA KRASUTSKA	UKR	20.07.1995	13,77	13,97	0,20
CRISTINA IOANA BUJIN	ROU	12.04.1988	13,47	13,49	0,02
PAOLA BOROVIĆ	CRO	26.06.1995	13,38	13,38	0,00
PETRA KOREN	SLO	13.07.1993	13,24	13,34	0,10
BEYZA TİLKİ	TUR	03.03.1994	13,14	13,21	0,07
TUĞBA AYDIN	TUR	25.08.1994	12,93	13,05	0,12
SASA BABSEK	SLO	27.03.1992	12,68	12,76	0,08
MARIETA MINASYAN	ARM	17.03.2003	12,05	12,09	0,04

Yaklaşma Koşusu Hızları [m/s]

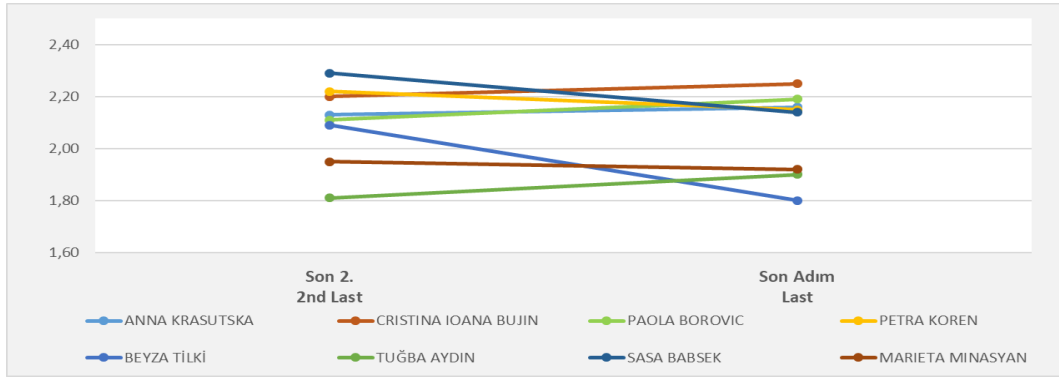
Run-up Velocity [m/s]

Sporcu Athlete	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]		
		11-6 m	6-1 m	11-1 m
ANNA KRASUTSKA	13,77	8,76	8,56	8,66
CRISTINA IOANA BUJIN	13,47	8,45	8,29	8,37
PAOLA BOROVIĆ	13,38	8,98	8,05	8,49
PETRA KOREN	13,24	8,59	8,76	8,67
BEYZA TİLKİ	13,14	8,71	8,53	8,62
TUĞBA AYDIN	12,93	8,65	8,49	8,57
SASA BABSEK	12,68	8,22	8,35	8,29
MARIETA MINASYAN	12,05	7,85	8,06	7,96



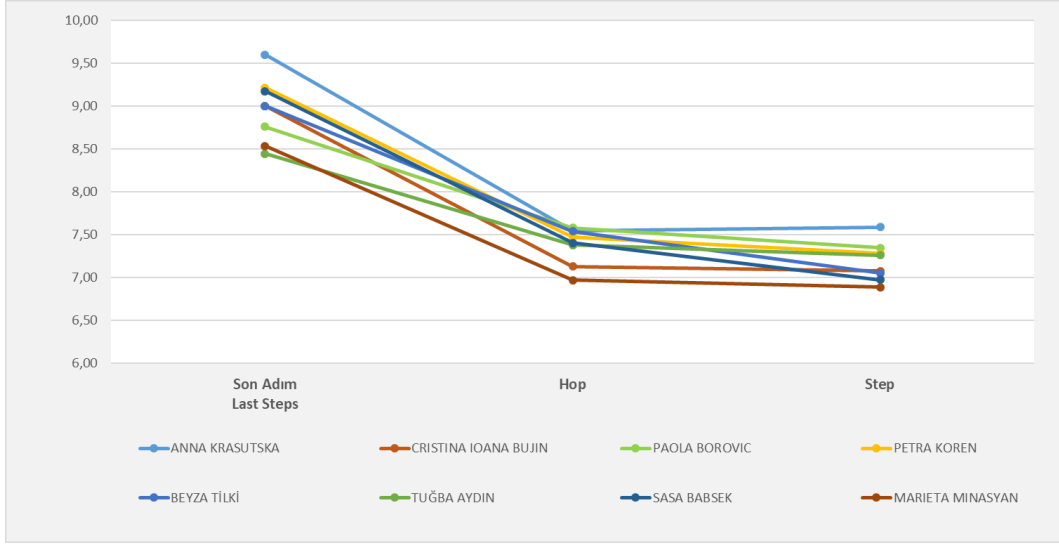
Yaklaşma Koşusu Son 2 Adım Uzunlukları [m] Length of last 2 strides [m]

Sporcu Athlete	Derece Official Distance [m]	Adım Uzunlukları Length of Strides [m]	
		Son 2. 2 nd Last	Son Adım Last
ANNA KRASUTSKA	13,77	2,13	2,16
CRISTINA IOANA BUJIN	13,47	2,20	2,25
PAOLA BOROVIĆ	13,38	2,11	2,19
PETRA KOREN	13,24	2,22	2,15
BEYZA TİLKİ	13,14	2,09	1,8
TUĞBA AYDIN	12,93	1,81	1,9
SASA BABSEK	12,68	2,29	2,14
MARIETA MINASYAN	12,05	1,95	1,92



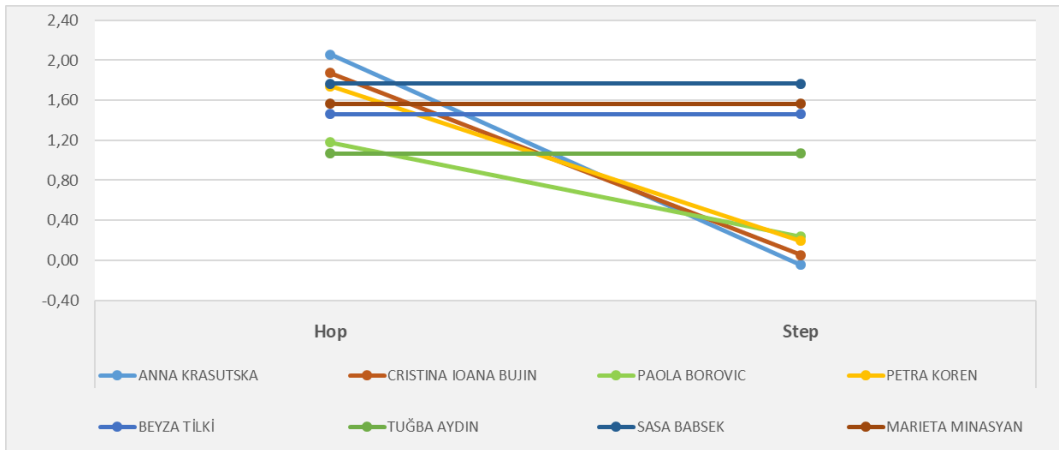
Atlama Evre Hızları [m/s] Velocities of jump phase [m/s]

Sporcu Athlete	Derece Official Distance [m]	Atlama Evre Hızları Velocities of jump phase [m/s]		
		Son Adım Last Steps	Hop	Step
ANNA KRASUTSKA	13,77	9,60	7,54	7,59
CRISTINA IOANA BUJIN	13,47	9,00	7,13	7,07
PAOLA BOROVIĆ	13,38	8,76	7,58	7,35
PETRA KOREN	13,24	9,21	7,47	7,28
BEYZA TİLKİ	13,14	9,00	7,54	7,05
TUĞBA AYDIN	12,93	8,44	7,38	7,26
SASA BABSEK	12,68	9,17	7,41	6,97
MARIETA MINASYAN	12,05	8,53	6,97	6,89



Yatay Hız Kayıpları [m/s] Velocities losses of horizontal [m/s]

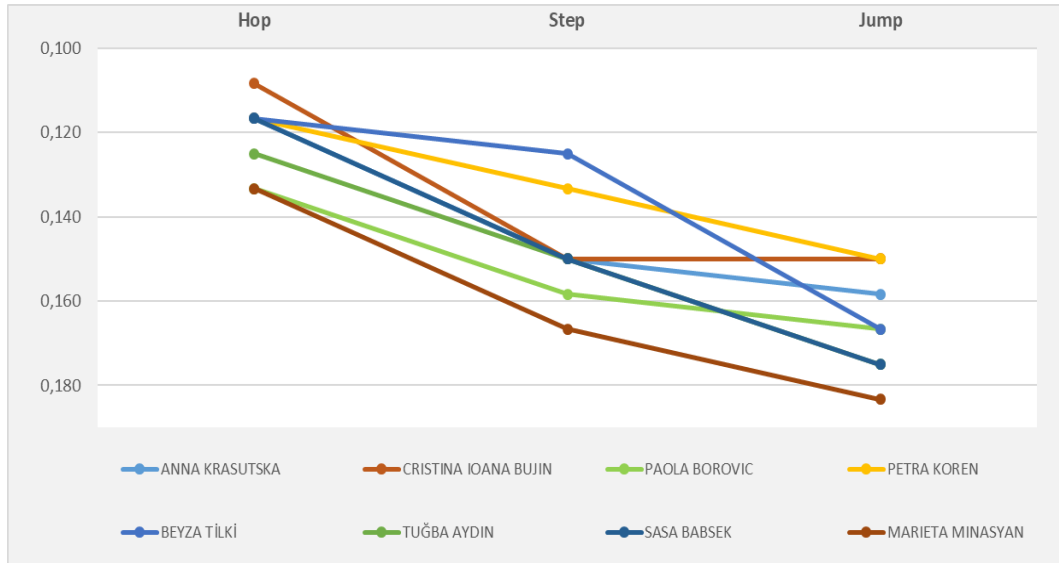
Sporcu Athlete	Derece Official Distance [m]	Yatay Hız Kayıpları Velocities losses of horizontal [m/s]	
		Hop	Step
ANNA KRASUTSKA	13,77	2,06	-0,05
CRISTINA IOANA BUJIN	13,47	1,87	0,05
PAOLA BOROVIC	13,38	1,18	0,23
PETRA KOREN	13,24	1,74	0,19
BEYZA TİLKİ	13,14	1,46	1,46
TUĞBA AYDIN	12,93	1,07	1,07
SASA BABSEK	12,68	1,77	1,77
MARIETA MINASYAN	12,05	1,56	1,56



Destek Evre Süreleri [s]

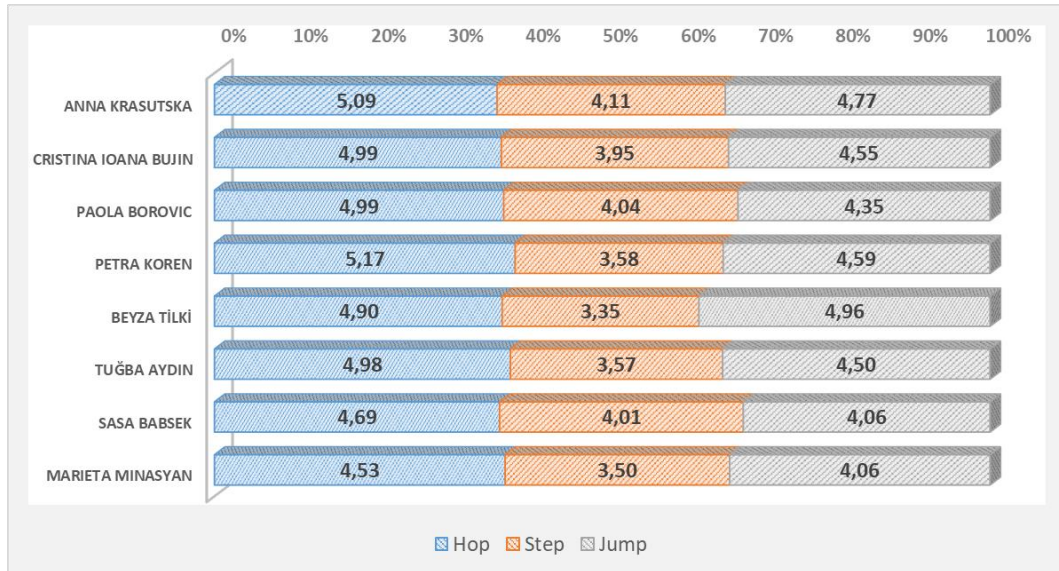
Durations of support phase of hop step and jump [s]

Sporcu Athlete	Derece Official Distance [m]	Destek Evre Süreleri Durations of support phase [s]		
		Hop	Step	Jump
ANNA KRASUTSKA	13,77	0,117	0,150	0,158
CRISTINA IOANA BUJIN	13,47	0,108	0,150	0,150
PAOLA BOROVIĆ	13,38	0,133	0,158	0,167
PETRA KOREN	13,24	0,117	0,133	0,150
BEYZA TİLKİ	13,14	0,117	0,125	0,167
TUĞBA AYDIN	12,93	0,125	0,150	0,175
SASA BABSEK	12,68	0,117	0,150	0,175
MARIETA MINASYAN	12,05	0,133	0,167	0,183



Hop Step Jump Mesafeleri [m], Yüzde Oranları [%] ve Uygulanan Teknik
Relative percentage of the hop, step and jump to overall effective distance and the technique employed

Sporcu Athlete	Derece Official Distance [m]	Atlama Mesafeleri Relative percentage [m]			Yüzde Oranı Percentage [%]			Teknik Technique
		Hop	Step	Jump	Hop	Step	Jump	
ANNA KRASUTSKA	13,97	5,09	4,11	4,77	36,44	29,42	34,14	Hop Dominant Hop Dominated
CRISTINA IOANA BUJIN	13,49	4,99	3,95	4,55	36,99	29,28	33,73	Hop Dominant Hop Dominated
PAOLA BOROVIĆ	13,38	4,99	4,04	4,35	37,29	30,19	32,51	Hop Dominant Hop Dominated
PETRA KOREN	13,34	5,17	3,58	4,59	38,76	26,84	34,41	Hop Dominant Hop Dominated
BEYZA TİLKİ	13,21	4,90	3,35	4,96	37,09	25,36	37,55	Dengeli Balanced
TUĞBA AYDIN	13,05	4,98	3,57	4,50	38,16	27,36	34,48	Hop Dominant Hop Dominated
SASA BABSEK	12,76	4,69	4,01	4,06	36,76	31,43	31,82	Hop Dominant Hop Dominated
MARIETA MINASYAN	12,09	4,53	3,50	4,06	37,47	28,95	33,58	Hop Dominant Hop Dominated





Müsabakaya Katılan Tüm Sporcuların Yaklaşma Koşusu Hız Değerleri [m/s]

Run-up Velocities of all competitors [m/s]

Sporcu Athlete	Deneme Attempt	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]		
			11-6 m	6-1 m	11-1 m
ANNA KRASUTSKA - (UKR)	1	13,21	8,43	8,42	8,42
	2	13,48	8,87	8,43	8,64
	3	X	8,46	8,74	8,60
	4	13,46	8,52	8,39	8,45
	5	13,75	8,40	8,77	8,58
	6	13,77	8,76	8,56	8,66
CRISTINA IOANA BUJIN - (ROU)	1	13,28	8,64	8,24	8,43
	2	13,40	8,31	8,36	8,33
	3	13,34	8,71	8,26	8,48
	4	13,47	8,45	8,29	8,37
	5	X	8,33	8,36	8,35
	6	X	8,35	8,58	8,46
PAOLA BOROVIĆ - (CRO)	1	13,38	8,98	8,05	8,49
	2	13,23	8,39	8,65	8,52
	3	X	8,98	8,14	8,54
	4	13,15	8,18	8,58	8,38
	5	X	8,38	8,59	8,48
	6	13,27	7,80	8,59	8,18
PETRA KOREN - (SLO)	1	12,89	8,70	8,67	8,68
	2	12,11	8,67	8,80	8,73
	3	13,24	8,59	8,76	8,67
	4	11,48	8,43	8,79	8,61
	5	X	8,05	8,80	8,41
	6	13,21	8,05	8,83	8,42



Sporcu Athlete	Deneme Attempt	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]		
			11-6 m	6-1 m	11-1 m
BEYZA TİLKİ - (TUR)	1	13,03	8,64	8,76	8,70
	2	X	9,31	8,10	8,67
	3	13,14	8,71	8,53	8,62
	4	13,09	8,56	8,71	8,64
	5	12,84	8,56	8,71	8,64
	6	13,00	8,76	8,46	8,61
TUĞBA AYDIN - (TUR)	1	12,88	8,40	8,59	8,50
	2	X	8,52	8,59	8,55
	3	X	8,55	8,68	8,61
	4	12,93	8,65	8,49	8,57
	5	12,71	8,64	8,49	8,56
	6	12,74	8,45	8,67	8,55
SASA BABSEK - (SLO)	1	X	8,04	8,32	8,18
	2	X	8,12	8,33	8,22
	3	12,68	8,22	8,35	8,29
	4	X	7,73	8,40	8,05
	5	X	7,80	8,39	8,08
	6	X	8,13	8,28	8,20
MARIETA MINASYAN - (ARM)	1	12,05	7,85	8,06	7,96
	2	11,68	7,96	8,10	8,03
	3	12,00	7,79	8,04	7,91
	4	11,87	7,74	7,97	7,86
	5	11,91	7,91	8,05	7,98
	6	11,81	7,75	7,91	7,83
DIMANA YORDANOVA - (BUL)	1	X	7,51	7,89	7,69
	2	X	7,33	7,95	7,63
	3	12,05	7,39	7,89	7,63

Üçadım Atlama Erkekler

Triple Jump Men's

LEVON AGHASYAN

16,71 m



NAZIM BABAYEV

16,68 m



CAN ÖZÜPEK

16,21 m

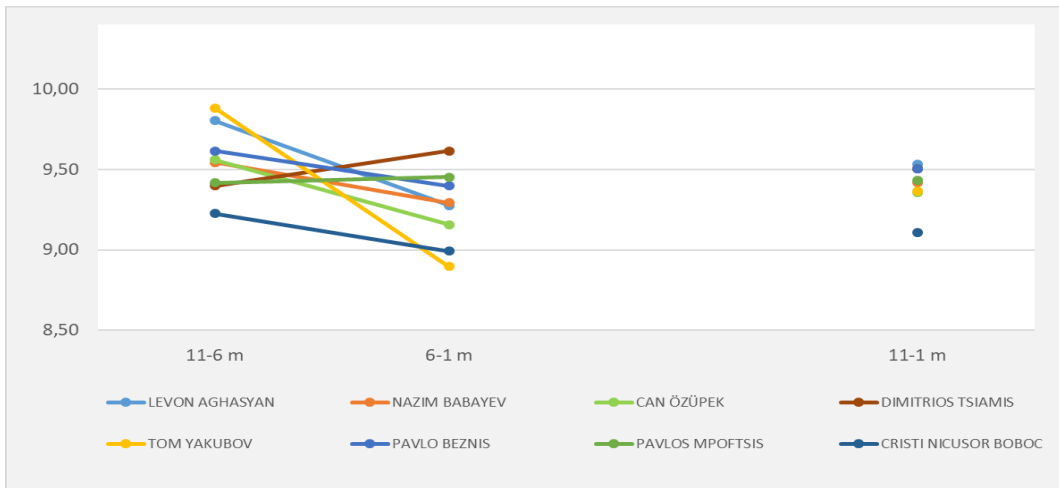


Sporcu Athlete	Ülke Country	Doğum Tarihi Date of Birth	Derece Official Distance [m]	Gerçek Derece Real Distance [m]	Sıçramada Kayıp Take-off Loss [m]
LEVON AGHASYAN	ARM	19.01.1995	16,71	16,78	0,07
NAZIM BABAYEV	AZE	08.10.1997	16,68	16,74	0,06
CAN ÖZÜPEK	TUR	02.02.1996	16,21	16,29	0,08
DIMITRIOS TSIAMIS	GRE	01.01.1982	16,16	16,28	0,12
TOM YAKUBOV	ISR	030.6.1992	15,99	16,05	0,06
PAVLO BEZNIS	UKR	17.06.1997	15,95	16,00	0,05
PAVLOS MPOFTSIS	GRE	01.01.1992	15,89	15,91	0,02
CRISTI NICUSOR BOBOC	ROU	05.12.1994	15,50	15,70	0,20

Yaklaşma Koşusu Hızları [m/s]

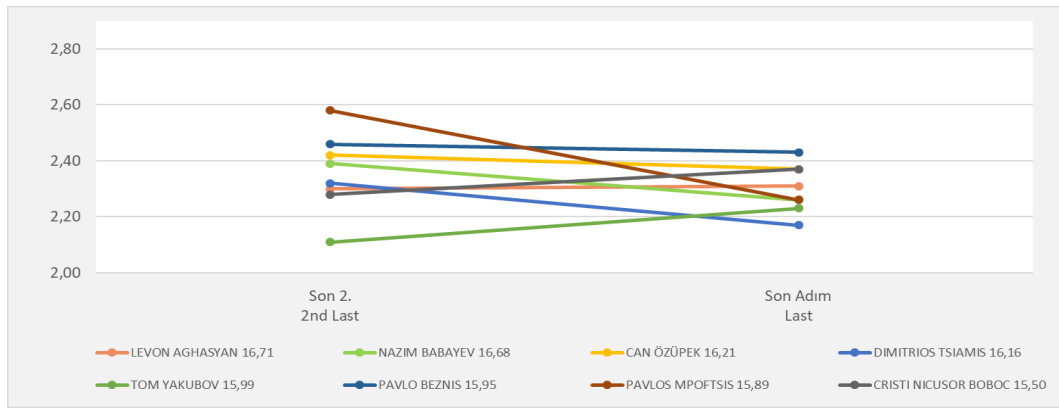
Run-up Velocity [m/s]

Sporcu Athlete	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]		
		11-6 m	6-1 m	11-1 m
LEVON AGHASYAN	16,71	9,80	9,28	9,53
NAZIM BABAYEV	16,68	9,54	9,29	9,42
CAN ÖZÜPEK	16,21	9,56	9,16	9,35
DIMITRIOS TSIAMIS	16,16	9,40	9,62	9,51
TOM YAKUBOV	15,99	9,88	8,90	9,36
PAVLO BEZNIS	15,95	9,62	9,40	9,51
PAVLOS MPOFTSIS	15,89	9,42	9,45	9,43
CRISTI NICUSOR BOBOC	15,50	9,23	8,99	9,11



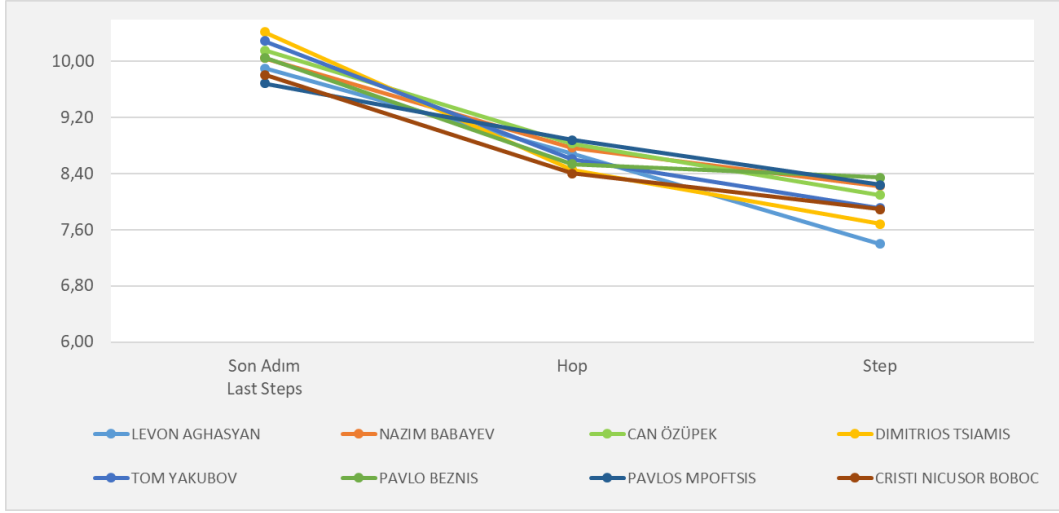
Yaklaşma Koşusu Son 2 Adım Uzunlukları [m] Length of last 2 strides [m]

Sporcu Athlete	Derece Official Distance [m]	Adım Uzunlukları Length of Strides [m]	
		Son 2. 2 nd Last	Son Adım Last
LEVON AGHASYAN	16,71	2,30	2,31
NAZIM BABAYEV	16,68	2,39	2,26
CAN ÖZÜPEK	16,21	2,42	2,37
DIMITRIOS TSIAMIS	16,16	2,32	2,17
TOM YAKUBOV	15,99	2,11	2,23
PAVLO BEZNIS	15,95	2,46	2,43
PAVLOS MPOFTSIS	15,89	2,58	2,26
CRISTI NICUSOR BOBOC	15,50	2,28	2,37



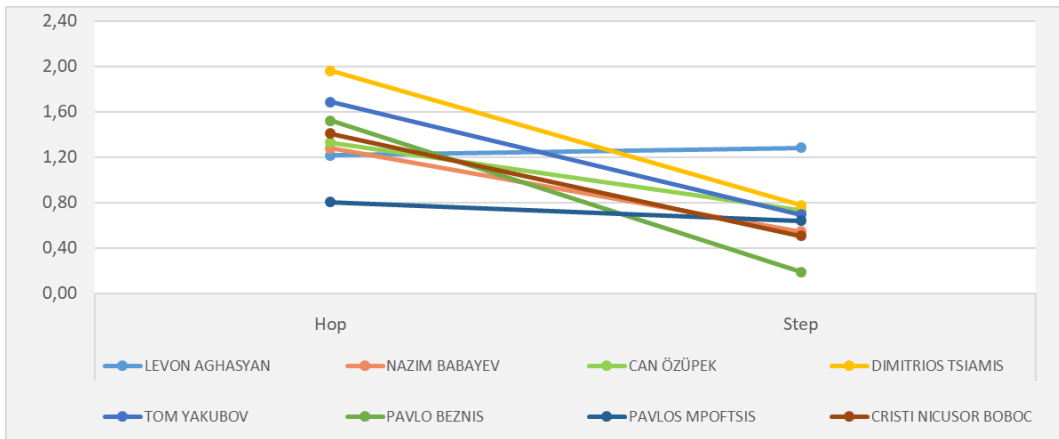
Atlama Evre Hızları [m/s] Velocities of jump phase [m/s]

Sporcu Athlete	Derece Official Distance [m]	Atlama Evre Hızları Velocities of jump phase [m/s]		
		Son Adım Last Steps	Hop	Step
LEVON AGHASYAN	16,71	9,90	8,68	7,40
NAZIM BABAYEV	16,68	10,04	8,77	8,22
CAN ÖZÜPEK	16,21	10,16	8,83	8,10
DIMITRIOS TSIAMIS	16,16	10,42	8,46	7,68
TOM YAKUBOV	15,99	10,29	8,60	7,91
PAVLO BEZNIS	15,95	10,06	8,54	8,35
PAVLOS MPOFTSIS	15,89	9,69	8,88	8,24
CRISTI NICUSOR BOBOC	15,50	9,81	8,40	7,89



Yatay Hız Kayıpları [m/s] Velocities losses of horizontal [m]

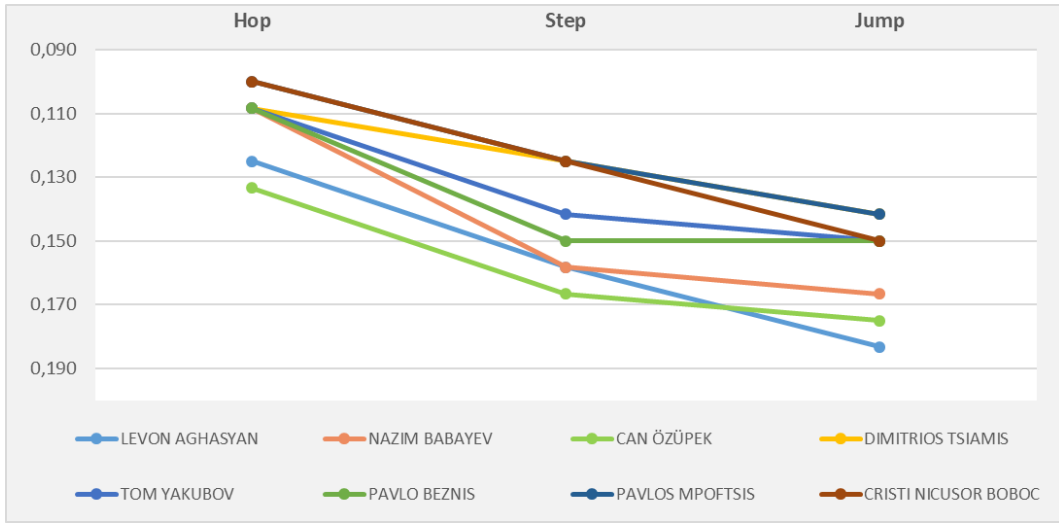
Sporcu Athlete	Derece Official Distance [m]	Yatay Hız Kayıpları Velocities losses of horizontal [m/s]	
		Hop	Step
LEVON AGHASYAN	16,71	1,22	1,28
NAZIM BABAYEV	16,68	1,28	0,54
CAN ÖZÜPEK	16,21	1,33	0,73
DIMITRIOS TSIAMIS	16,16	1,96	0,78
TOM YAKUBOV	15,99	1,69	0,69
PAVLO BEZNIS	15,95	1,52	0,19
PAVLOS MPOFTSIS	15,89	0,81	0,64
CRISTI NICUSOR BOBOC	15,5	1,41	0,51



Destek Evre Süreleri [s]

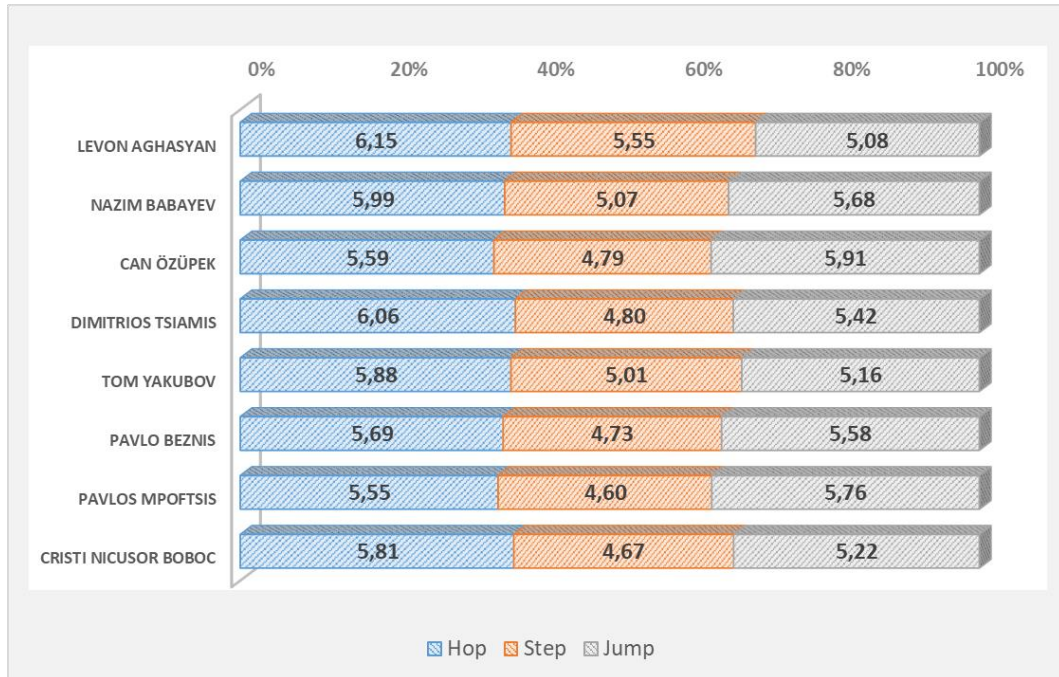
Durations of support phase of hop step and jump [s]

Sporcu Athlete	Derece Official Distance [m]	Destek Evre Süreleri Durations of support phase [s]		
		Hop	Step	Jump
LEVON AGHASYAN	16,71	0,125	0,158	0,183
NAZIM BABAYEV	16,68	0,108	0,158	0,167
CAN ÖZÜPEK	16,21	0,133	0,167	0,175
DIMITRIOS TSIAMIS	16,16	0,108	0,125	0,142
TOM YAKUBOV	15,99	0,108	0,142	0,150
PAVLO BEZNIS	15,95	0,108	0,150	0,150
PAVLOS MPOFTSIS	15,89	0,100	0,125	0,142
CRISTI NICUSOR BOBOC	15,50	0,100	0,125	0,150



Hop Step Jump Mesafeleri [m], Yüzde Oranları [%] ve Uygulanan Teknik
Relative percentage of the hop, step and jump to overall effective distance and the technique employed

Sporcu Athlete	Derece Official Distance [m]	Atlama Mesafeleri Relative percentage [m]			Yüzde Oranı Percentage [%]			Teknik Technique
		Hop	Step	Jump	Hop	Step	Jump	
LEVON AGHASYAN	16,78	6,15	5,55	5,08	36,65	33,08	30,27	Hop Dominant <i>Hop Dominated</i>
NAZIM BABAYEV	16,74	5,99	5,07	5,68	35,78	30,29	33,93	Dengeli <i>Balanced</i>
CAN ÖZÜPEK	16,29	5,59	4,79	5,91	34,32	29,40	36,28	Dengeli <i>Balanced</i>
DIMITRIOS TSIAMIS	16,28	6,06	4,80	5,42	37,22	29,48	33,29	Hop Dominant <i>Hop Dominated</i>
TOM YAKUBOV	16,05	5,88	5,01	5,16	36,64	31,21	32,15	Hop Dominant <i>Hop Dominated</i>
PAVLO BEZNIS	16,00	5,69	4,73	5,58	35,56	29,56	34,88	Dengeli <i>Balanced</i>
PAVLOS MPOFTSIS	15,91	5,55	4,60	5,76	34,88	28,91	36,20	Dengeli <i>Balanced</i>
CRISTI NICUSOR BOBOC	15,70	5,81	4,67	5,22	37,01	29,75	33,25	Hop Dominant <i>Hop Dominated</i>





Müsabakaya Katılan Tüm Sporcuların Yaklaşma Koşusu Hız Değerleri [m/s]
Run-up Velocities of all competitors [m/s]

Sporcu Athlete	Deneme Attempt	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]		
			11-6 m	6-1 m	11-1 m
LEVON AGHASYAN -(ARM)	1	16,12	9,63	9,23	9,43
	2	16,71	9,80	9,28	9,53
	3	X	9,94	9,29	9,61
	4	X	9,84	9,43	9,63
	5	16,39	9,82	9,24	9,52
	6	X	9,82	9,28	9,54
NAZIM BABAYEV - (AZE)	1	15,74	9,58	10,08	9,82
	2	16,68	9,38	9,23	9,30
	3	16,58	9,40	9,77	9,58
	4	16,62	9,60	9,88	9,74
	5	15,63	9,54	9,36	9,45
	6	16,68	9,54	9,29	9,42
CAN ÖZÜPEK - (TUR)	1	15,55	9,54	9,35	9,44
	2	X	9,56	9,51	9,53
	3	16,04	9,52	9,09	9,30
	4	16,11	9,54	9,17	9,35
	5	16,21	9,56	9,16	9,35
	6	X	9,51	9,29	9,40
DIMITRIOS TSIAMIS - (GRE)	1	15,89	9,45	9,51	9,48
	2	15,85	9,40	9,77	9,58
	3	15,94	9,52	9,69	9,61
	4	15,66	9,54	9,63	9,59
	5	X	9,45	9,63	9,54
	6	16,16	9,40	9,62	9,51



Sporcu Athlete	Deneme Attempt	Derece Official Distance [m]	Yaklaşma Koşu Hızları Run-up Velocities [m/s]		
			11-6 m	6-1 m	11-1 m
TOM YAKUBOV - (ISR)	1	X	9,04	9,35	9,19
	2	15,16	8,80	9,14	8,97
	3	15,92	9,71	8,98	9,33
	4	15,96	8,77	9,12	8,94
	5	15,99	9,88	8,90	9,36
	6	15,93	9,63	9,43	9,53
PAVLO BEZNIS - (UKR)	1	15,46	9,88	9,62	9,75
	2	15,77	9,73	9,88	9,80
	3	15,13	10,08	9,51	9,78
	4	15,83	9,67	9,71	9,69
	5	15,95	9,62	9,40	9,51
	6	15,79	9,90	9,69	9,79
PAVLOS MPOFTSIS - (GRE)	1	X	9,58	9,54	9,56
	2	15,89	9,42	9,45	9,43
	3	15,31	9,73	9,36	9,54
	4	15,78	9,36	9,56	9,46
	5	X	8,98	9,11	9,04
	6	15,61	9,75	9,33	9,53
CRISTI NICUSOR BOBOC - (ROU)	1	15,50	9,23	8,99	9,11
	2	X	9,36	9,01	9,18
	3	X	9,38	9,04	9,21
	4	X	9,49	9,01	9,24
	5	X	9,35	9,14	9,24
	6	X	9,31	9,11	9,21
VADIM DOSCALOV - (MDA)	1	X	8,85	9,14	8,99
	2	14,94	8,62	9,03	8,82
	3	15,18	8,62	9,24	8,92
SEDIN HECO - (BIH)	1	X	8,43	8,77	8,60
	2	14,24	8,10	8,80	8,44
	3	X	8,29	8,88	8,58