

## European Athletics Championship 2018 Berlin - Test sequences

The EBU provides the following test sequences, produced at the European Athletics Championships 2018 in Berlin (Germany).

All sequences are provided on a USB-3 compatible SSD drive.

- **Uncompressed sequences**

<b>Format</b>	2160p/100 BT.2100 (HLG), DPX
<b>Sampling</b>	YCbCr 4:2:2 10-bit
<b>Signal range</b>	narrow range
<b>Audio</b>	none

<b>Title</b>	<b>Duration (seconds)</b>
Long_Jump_Women_1_180SHUTTER	10.00
Long_Jump_Women_2	10.00
Discus_Women	10.00
200m_Hepta_Women_H4	27.00
200m_Hepta_Women_H2*	30.00
Javelin_Men	15.00
3000m_SC_Men*	31.30
100m_Women_H	15.00
400m_Women_SF1	20.00
400m_Women_SF2*	10.00

*Note: all sequences are provided as separate odd/even files; only the 100m\_Women\_H sequence is provided as a single 2160p/100 sequence. An \* next to the name indicates the sequence starts with the even frame; absence of the Asterix indicates the sequence starts with the odd frame.*

- **Compressed sequences**

<b>Format</b>	2160p/100 BT.2100 (HLG), MXF
<b>Sampling</b>	YCbCr 4:2:2 10-bit
<b>Compression</b>	XAVC Class 480 (2x ~800 Mbps)
<b>Audio</b>	none

*Note: all sequences are provided as 2 x 2160p/50*

<b>Title</b>	<b>Duration</b>	<b>Description</b>
400m_Hurdles_Men_F	00:00:07:00	Complete multi-camera coverage of the 400m Hurdles men final. Includes various types of shots (wide pans, soft zooms, close on the winner).
100m_Hurdles_women_SF2	00:00:10:00	Two shot complete coverage. Start (close, side view) + main coverage from an elevated angle (side view).
3000m_SC_Men_F	00:00:25:00	Front shot of group of runners.
200m_Heptathlon_Women_H1	00:00:20:00	Complete 3-shot multi-camera coverage.
Javelin_Man_With_Spear	00:00:14:49	Single shot coverage of one throw (rapid camera pan, following spear).
Stadium_Inside_At_Night	00:00:13:00	The inside of the stadium at night with various light conditions combined in one wide shot: lit green field, dark audience and bright signage.
Hurdles_Men_Sideshot_1	00:00:05:00	Side view of group of men jumping over hurdles.
Hurdles_Men_Sideshot_2	00:00:07:00	Side view of group of men jumping over hurdles.
In_Stadium_Early_Night_Static	00:00:10:00	Static shot from inside the stadium, includes part of blue track and clouds in the sky. End of the day.
In_Stadium_Early_Night_Slow_Pan_Zoom	00:00:25:00	Single wide shot (slow zoom out and pan) from inside the stadium showing cloudy sky and artificial lighting and signage.
In_Stadium_Tilt_Down	00:00:20:00	Single wide shot (slow tilt down) from inside the stadium showing blue sky with partial clouds and artificial lighting and signage.
100m_Men_F	00:00:14:49	Two shots last part of the race. Shot at night.
Javelin_Germany	00:00:13:00	Single shot (zoom and pan) following spear, at night.
Discus_Women_Sweden	00:00:10:00	Single shot (pan & zoom out) following the complete action. Challenging difference in shadow-rich start and sunny end.
100m_Heptathlon_Women_H1	00:00:20:00	Single (wide, elevated) shot panning with the runners. Challenging combination of track in the shadows and a very sunny surrounding field.
Discus_Women_Canada	00:00:10:00	Single shot (pan & zoom out) following the complete action. Challenging difference in shadow-rich start and sunny end.
Long_Jump_Women_3_180SHUTTER	00:00:12:00	Single shot (side-view, panning) following a complete jump. 180 DEGREES SHUTTER
Long_Jump_Women_4	00:00:12:00	Single shot (side-view, panning) following a complete jump.
Sweet_Sweed	00:00:10:00	Happy Swedish sporter makes a joking gesture on camera before meeting his team mate.

- **Production**

<b>Cameras &amp; Lenses</b>	Sony HDC 4300 with Canon lenses
<b>Production format</b>	2x 2160p/50, 10-bit, BT.2100/HLG
<b>Shading/grading</b>	Live shading on-site, no further grading
<b>Shutter</b>	Open shutter (360°), except for Long_Jump_Women_1_180SHUTTER and Long_Jump_Women_3_180SHUTTER
<b>Recording</b>	Rohde & Schwarz Clipster (uncompressed) Sony PWS-4500 (XAVC Class 480)
<b>Post-production</b>	Uncompressed: none XAVC: Adobe Premiere cut with smart rendering, to prevent reencoding

- **Price**

The use of “European Athletics Championship – Berlin (August 2018)” is subject to the payment of the following administration & handling fee (includes SSD drive and shipment):

<b>EBU members</b>	300 €
<b>Non EBU members</b>	3800 €
<b>Non-profit &amp; university</b>	1900 €

*Note: partners who participated in the trial should contact their EBU contact to obtain the sequences.*

- **Ordering**

You can order the sequences by sending an e-mail to:  
tech@ebu.ch

For additional help, feel free to contact:  
Elisabeth Ecoffey  
ecoffey@ebu.ch

For more information on (other) EBU Test Sequences, see:  
<https://tech.ebu.ch/testsequences/>

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