



## Finish

***This presentation reflects the World Rowing Statutes, Rules of Racing and interpretation of them in effect on Jan 1, 2023.  
World Rowing is not responsible for providing updates to this material.***

# Finish tower – examples (1)



# Finish tower – examples (2)



# Finish tower – examples (3)

## Hwacheon (KOR)



# Finish tower – examples (4)



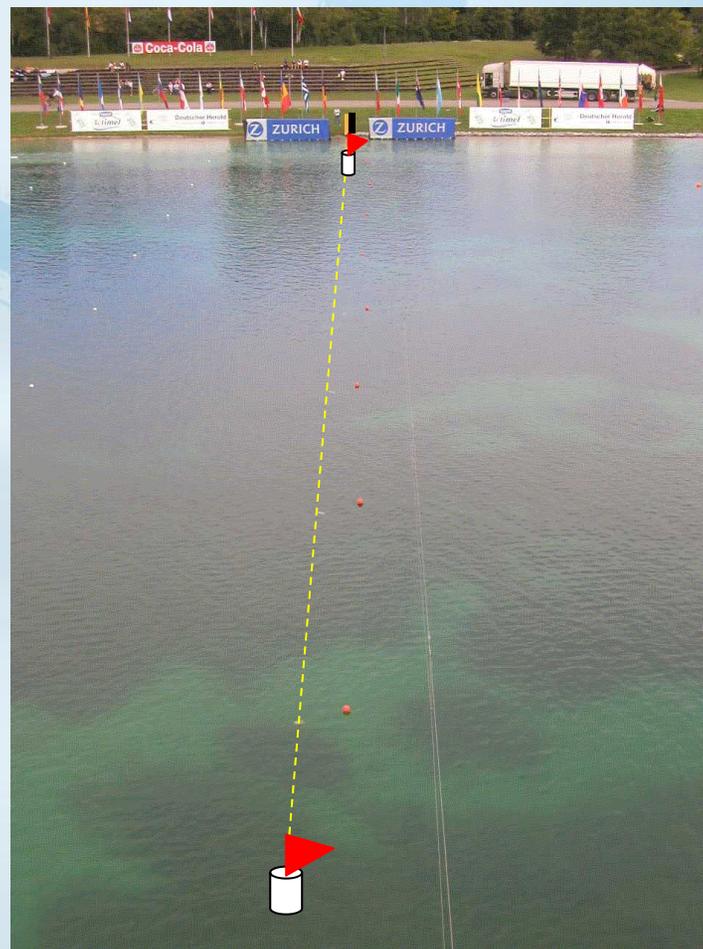
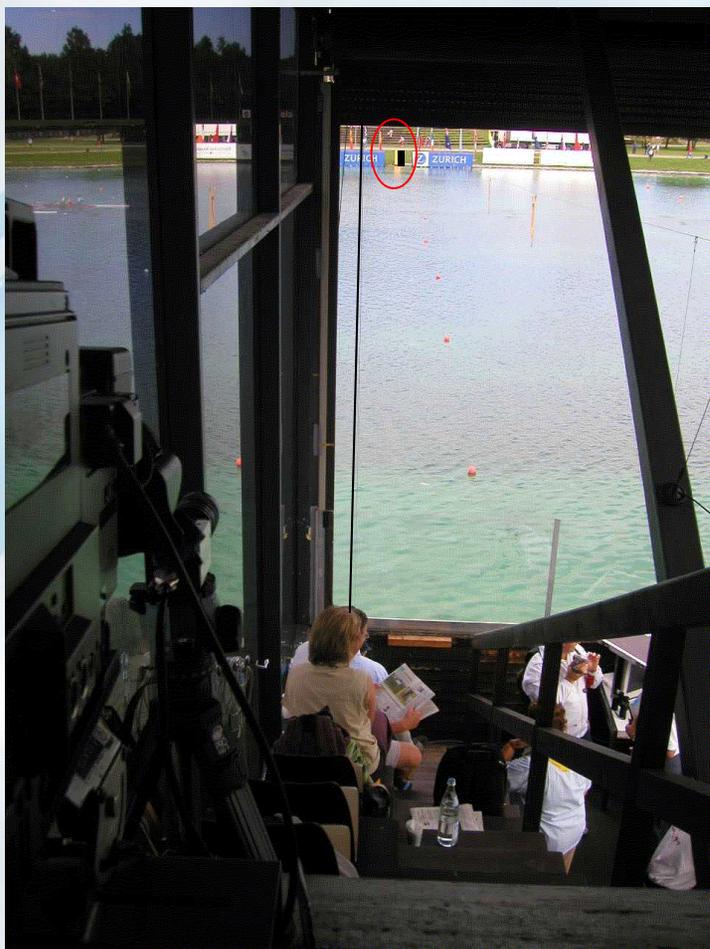
# Humans control electronic equipment





If ‘technical problem’  
they are in charge!

# Finish line



**The finishing line is marked by 2 red flags – no buoys on the line!**



**The finishing line is exactly between yellow and black**



## WORLD CUP WORLD CHAMPIONSHIP OLYMPIC REGATTA

# Number of World Rowing jury members

**2 PEOPLE**

**THE RESPONSIBLE**

**1 JUDGE AT THE FINISH**

**2 PEOPLE**

**THE RESPONSIBLE** → in front of photo finish/timing screen!

**1 JUDGE AT THE FINISH** → on the finish line!



Responsible in front of a screen (with their back to the finish line)

# Location Finish Judge



Finish Judge on the finish line



## At Olympics/Paralympics, World Rowing Championships and World Cup Regatta:

- **ALL FINISH TIMES** shown on the result sheets and the score board must be taken from the photo finish.
- Even if we did not have to use the photo finish to determine the finish order.

OFFICIAL

MANUAL TIMING 1

BACKUP 1

MANUAL TIMING 2

BACKUP 2

PHOTO FINISH 3-1

OFFICIAL

PHOTO-FINISH 1

**TIMES AND RANKING ARE OFFICIAL BUT WE MUST WAIT UMPIRE'S DECISION**

BACKUP 1

PHOTO-FINISH 2

BACKUP 2

MANUAL TIMING

# Duties of Finish Judges

## Judge at the Finish

- Determine the order of the boats crossing the finish line and announce this verbally to the audience in the finish room;
- Make sure that the umpire validates the race by raising a white flag;
- Indicate to the umpire that the signal was understood by raising a white flag or turning on a white light.
- Announce “WHITE FLAG” to people in finish tower

## Responsible at the Finish

- During race: monitor intermediate times and ranking;
- List the names/teams in the correct finish order;
- Check the whole content of the 1st copy of the printed result sheet;
- (Check the results shown on the display board);
- Sign the official edition of the results;
- Declare the result of the race “OFFICIAL”

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*(Achtung! Nicht nur fahren, sondern Stecker ziehen.)*

**Rowing World Cup III 2010, Lucerne**  
Current Runs

Race 112: LW1x, Semifinal A/B 1 (started) - 10.07.2010 08:30 3:08

Rk	Name	500m	1000m	1500m	Time	Ln
	Canada	1:57.74 (5) +4.86				1
	Brazil	1:55.26 (3) +2.38				2
	Germany 1	1:52.96 (2) +0.08				3
	Austria	1:55.02 (4) +2.94				4
	Great Britain	1:52.88 (1)				5
	Sweden 2	1:59.46 (6) +6.58				

2 races on the course

**Rowing World Cup III 2010, Lucerne**  
Current Runs

Race 112: LW1x, Semifinal A/B 1 (started) - 10.07.2010 08:30 5:21

Rk	Name	500m	1000m	1500m	Time	Ln
	Canada	1:57.74 (5) +4.86	3:58.40 (5) +7.27			1
	Brazil	1:55.26 (3) +2.38	3:52.55 (3) +1.42			2
	Germany 1	1:52.96 (2) +0.08	3:51.70 (2) +0.57			3
	Austria	1:55.02 (4) +2.94	3:56.02 (4) +4.09			4
	Great Britain	1:52.88 (1)	3:51.13 (1)			5
	Sweden 2	1:59.46 (6) +6.58	4:04.36 (6) +13.23			6

Race 113: LW1x, Semifinal A/B 2 (started) - 10.07.2010 08:36 0:18

Rk	Name	500m	1000m	1500m	Time	Ln
	Netherlands					1
	Sweden 1					2
	Greece					3
	Italy					4
	Japan 2					5
	Ireland					6

1 race on the course

## Judge at the Finish

- **Determine the order of the boats crossing the finish line and announce this verbally to the audience in the finish room;**
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## Responsible at the Finish

- During race: monitor intermediate times and ranking;
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- Declare the result of the race “OFFICIAL”



Judge at finish:  
5 - 4 - 1 - 3 - 6 - 2

**BOW NUMBERS**  
Not  
**Lane Numbers**

# Duties of Finish Judges

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# Umpire validates race (1)



First flag towards crews

# Umpire validates race (2)



Secondly flag towards finish tower

## Judge at the Finish

- Determine the order of the boats crossing the finish line and announce this verbally to the audience in the finish room;
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- **Announce "WHITE FLAG" to people in finish tower**

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- During race: monitor intermediate times and ranking;
- List the names/teams in the correct finish order;
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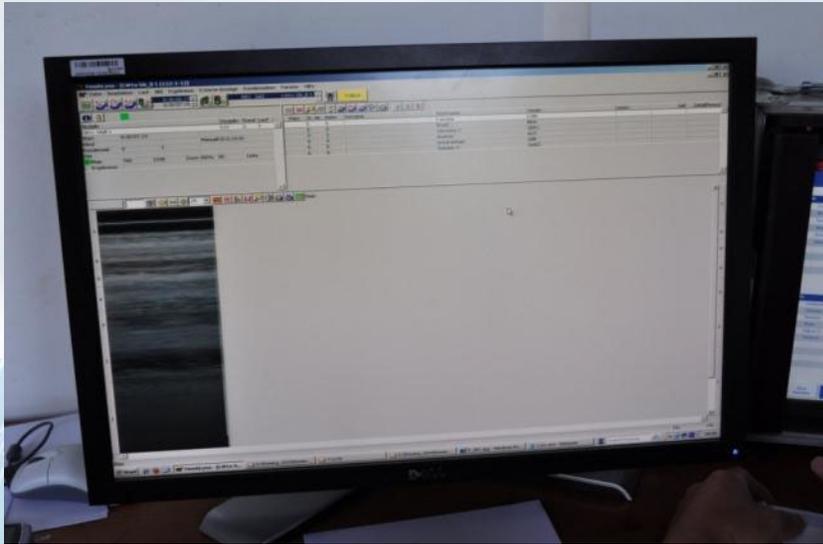
# Finish judge replies



WHITE FLAG!

Clear and immediate

# Photo finish develops



As soon the crews are crossing the finish line, the photo finish starts to develop and the operator starts to work

# The whole sequence...



# Before continuing...

- What is a photo finish?
- How does this work?
- How do interpret the image(s)?



# Where is the finish line?

08 12:20:22

Poznan\_2008 - M4- H2 (23-1-2)

Ziel - Main

Start: 20.06.2008 12:12:01.60

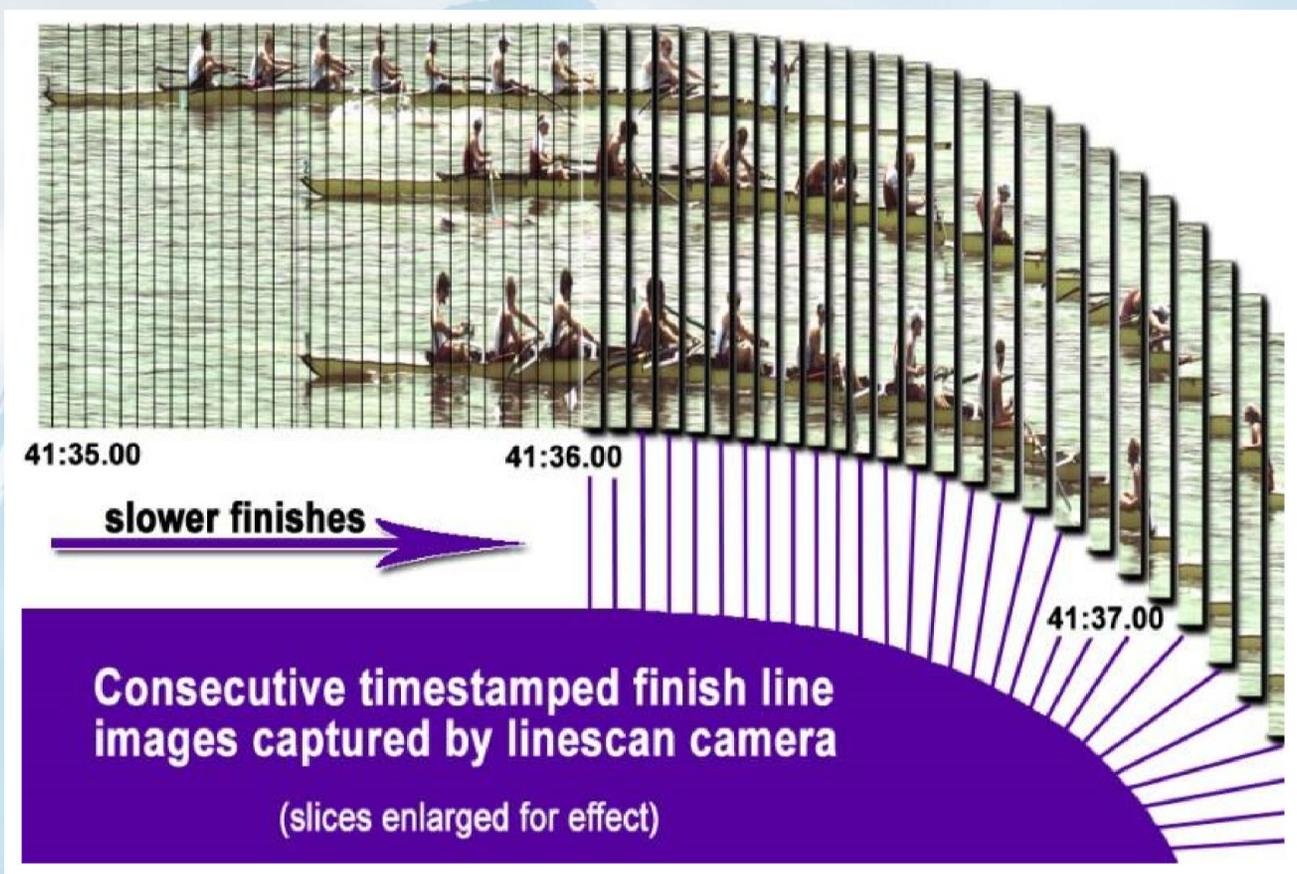


# Photo finish principles

- Contrary to a normal camera, the lens is not circular;
- Indeed, the camera has a very thin linear lens;
- The camera continuously takes a number pictures per time unit from the same location;
- The time unit is minimum 1/100 sec;
- That location is the (thin) finish line;
- Those thin pictures are added one after another;
- The result is a 'picture' of the finish line at different moments.

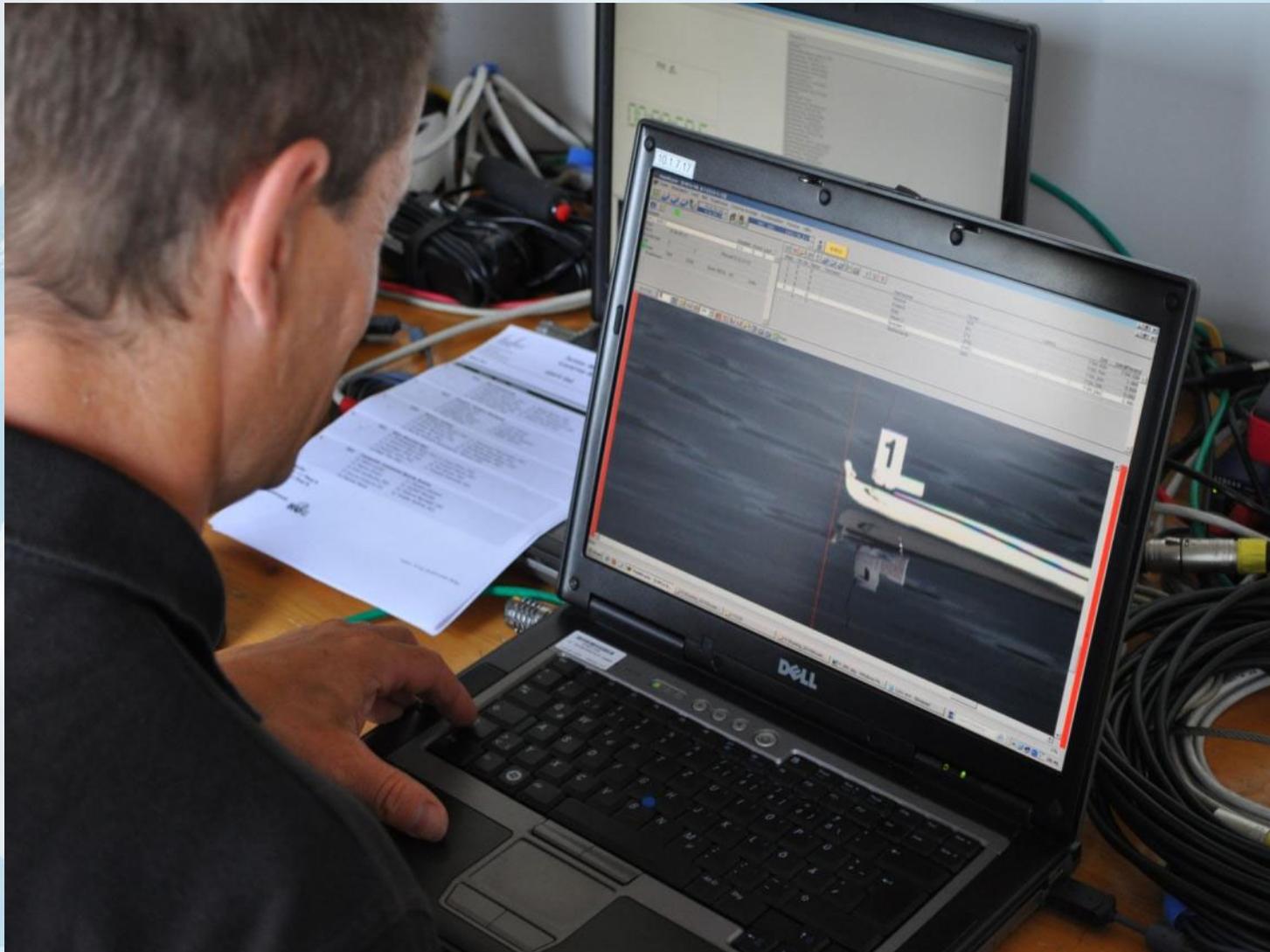
Note: The timing is linked to and activated by the start system

# View on the finish line at ... moments ...

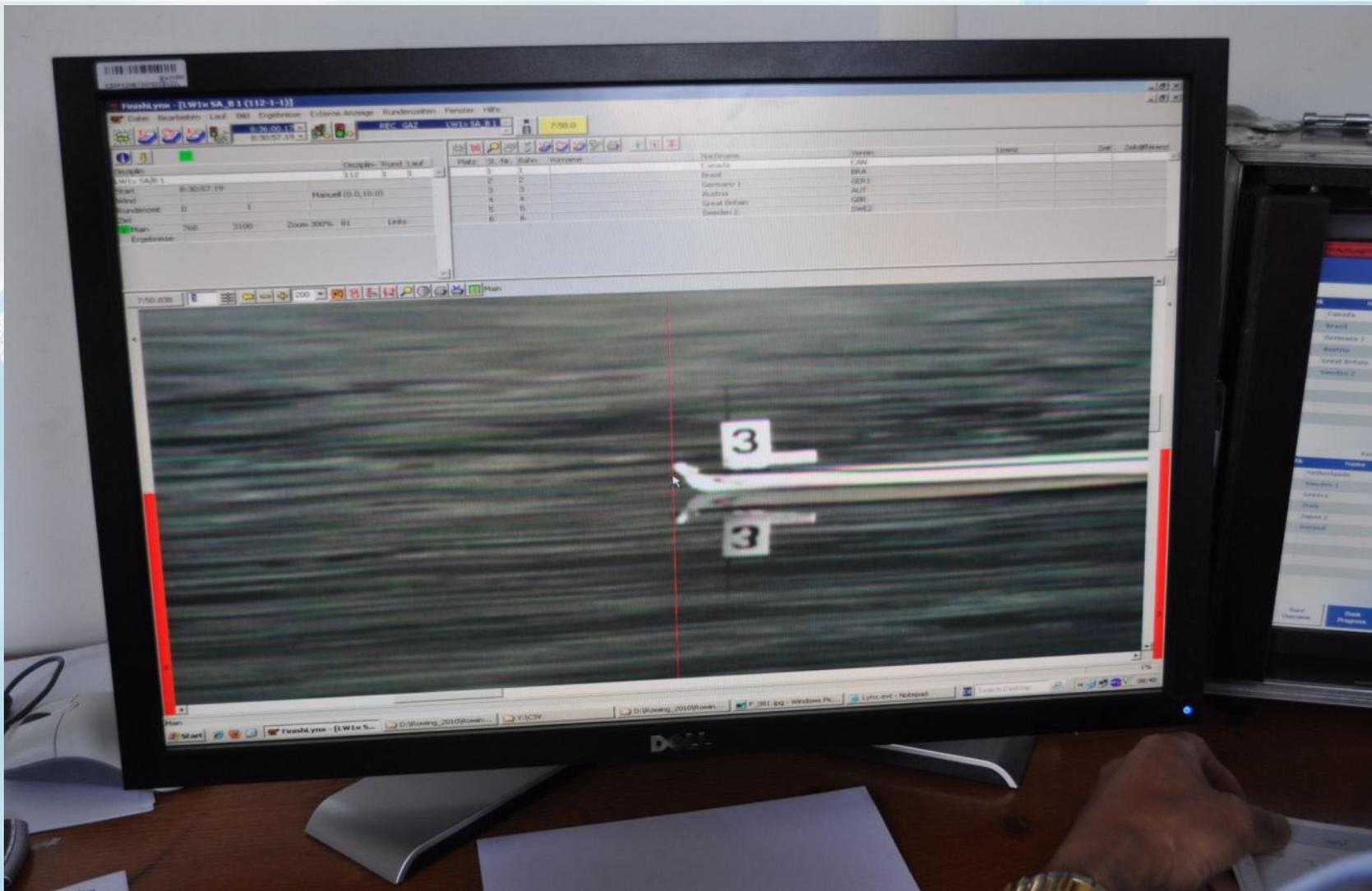


- Each part of the photo finish represents what occurred on the finishing line at one precise time (or part of a second).
- It is possible to go to 1000 parts in a second (= 1/10,000 sec) or more.
- However, the minimum precision required is **1/100 sec.**

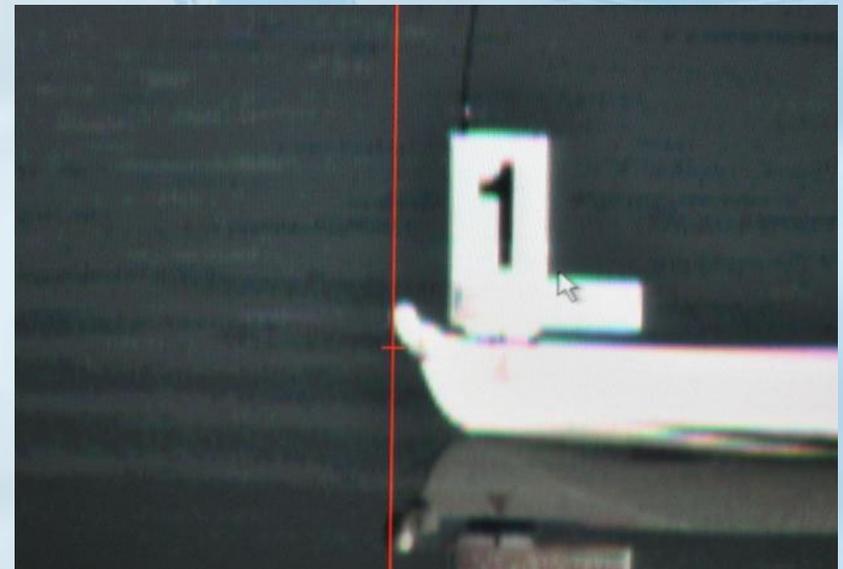
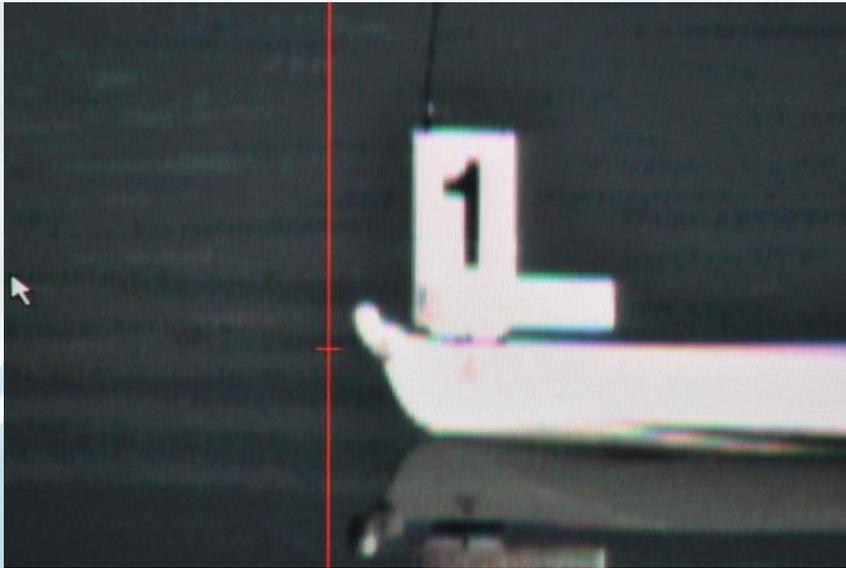
# Let's come back to the operator's work...



# As seen and controlled by Responsible at the Finish



# a. Cursor exactly at bow ball



# a. Cursor exactly at bow ball

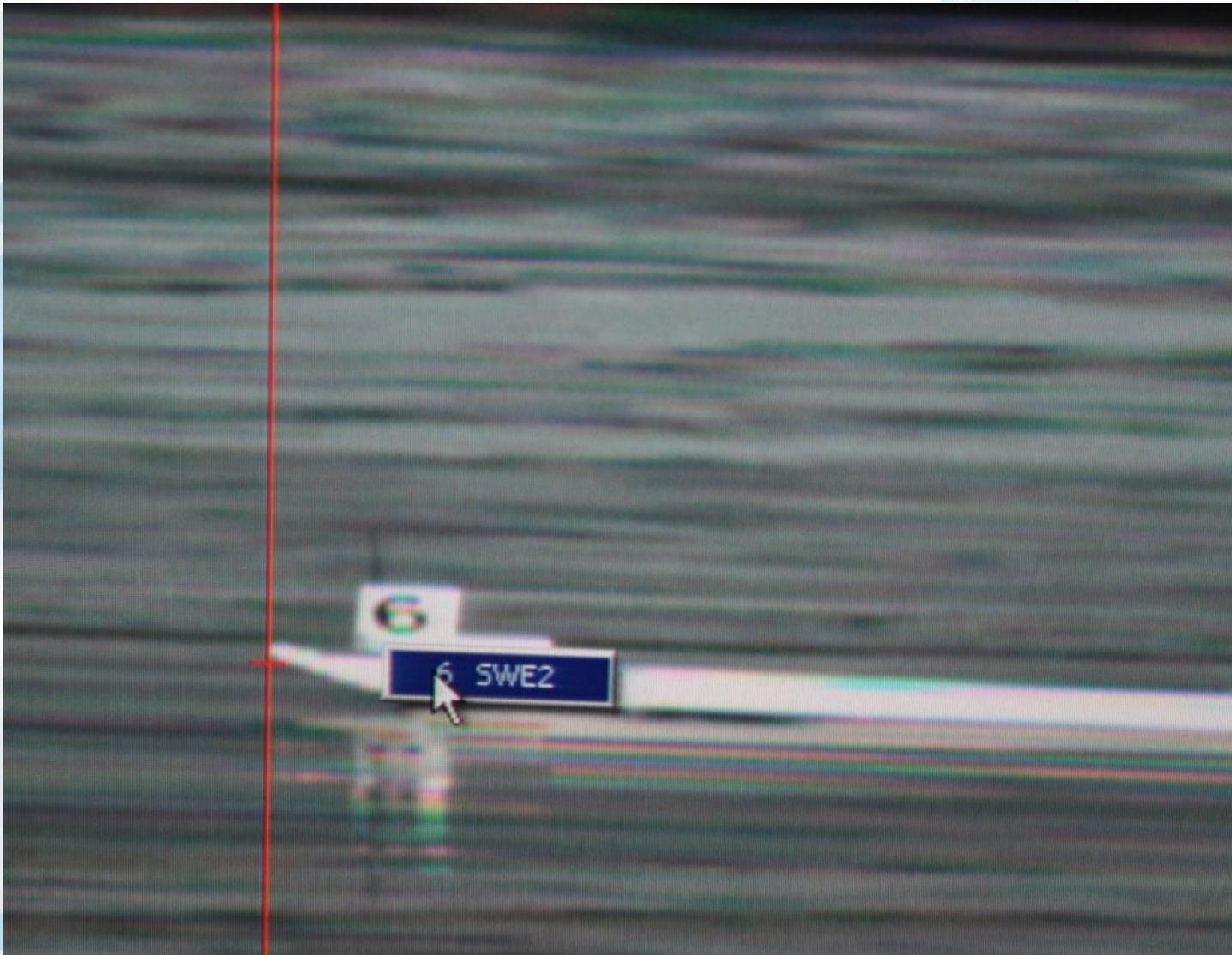


Done for all crews

# b. Matching crew name to each time (or cursor line)



# End of 'matching'



!!!Achtung!!!Nicht runterfahren,sondern Stecker ziehen.

## Rowing World Cup III 2010, Lucerne

### Current Runs

Race 112: LW1x , Semifinal A/B 1 (started) - 10.07.2010 08:30

Rk	Name	500m	1000m	1500m	Time	Ln
	Canada	1:57.74 (5) +4.86	3:58.40 (5) +7.27	6:00.87 (5) +9.38		1
3	Brazil	1:55.26 (3) +2.38	3:52.55 (3) +1.42	5:51.49 (1)	7:54.63 (3) +3.80	2
1	Germany 1	1:52.96 (2) +0.08	3:51.70 (2) +0.57	5:51.62 (2) +0.13	7:50.83 (1)	3
	Austria	1:55.82 (4) +2.94	3:56.02 (4) +4.89	5:58.63 (4) +7.14		4
2	Great Britain	1:52.88 (1)	3:51.13 (1)	5:51.67 (3) +0.18	7:53.57 (2) +2.74	5
	Sweden 2	1:59.46 (6) +6.58	4:04.36 (6) +13.23	6:10.65 (6) +19.16		6

8:28

Home

Back

The finish time of each crew appears on the screen of the Responsible at the Finish

!!!Achtung!!!Nicht runterfahren,sondern Stecker ziehen.

## Rowing World Cup III 2010, Lucerne Current Runs

Race 112: LW1x , Semifinal A/B 1 (started) - 10.07.2010 08:30

8:28

Rk	Name	500m	1000m	1500m	Time	Ln
	Canada	1:57.74 (5) +4.86	3:58.40 (5) +7.27	6:00.87 (5) +9.38		1
3	Brazil	1:55.26 (3) +2.38	3:52.55 (3) +1.42	5:51.49 (1)	7:54.63 (3) +3.80	2
1	Germany 1	1:52.96 (2) +0.08	3:51.70 (2) +0.57	5:51.62 (2) +0.13	7:50.83 (1)	3
	Austria	1:55.82 (4) +2.94	3:56.02 (4) +4.89	5:58.63 (4) +7.14		4
2	Great Britain	1:52.88 (1)	3:51.13 (1)	5:51.67 (3) +0.18	7:53.57 (2) +2.74	5
	Sweden 2	1:59.46 (6) +6.58	4:04.36 (6) +13.23	6:10.65 (6) +19.16		6

Home

Back

When 'linking' each bow, the finish time of each crew appears on the screen of the senior judge of the finish

## Judge at the Finish

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- During race: monitor intermediate times and ranking;
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The Responsible will be presented a result sheet and will start to check the **full** content

## MEN LIGHTWEIGHT DOUBLE SCULL

EVENT 12  
LM2X

H1

Rank	Line	Crew	500 m	1000 m	1500 m	2000 m	
1	5	<b>CAN</b> XXXXXXXXXX	1' 42" 86 (1)	3' 37" 34 (1) 1' 54" 48 (6)	5' 31" 42 (1) 1' 54" 08 (2)	7' 19" 30 (1) 1' 47" 88 (3)	S
2	1	<b>ITA</b> XXXXXXXXXX	1' 44" 52 (2)	3' 38" 93 (2) 1' 54" 41 (4)	5' 33" 56 (2) 1' 54" 63 (4)	7' 20" 59 (2) 1' 47" 03 (2) 0' 01" 29	R
3	4	<b>RUS</b> XXXXXXXXXX	1' 51" 94 (5)	3' 41" 46 (4) 1' 49" 52 (1)	5' 37" 30 (5) 1' 55" 84 (5)	7' 22" 82 (3) 1' 45" 52 (1) 0' 03" 52	R
4	3	<b>DEN</b> XXXXXXXXXX	1' 46" 72 (3)	3' 40" 30 (3) 1' 53" 58 (3)	5' 34" 33 (3) 1' 54" 03 (1)	7' 26" 00 (4) 1' 51" 67 (4) 0' 06" 70	R
5	2	<b>HKG</b> XXXXXXXXXX	1' 47" 98 (4)	3' 42" 45 (5) 1' 54" 47 (5)	5' 37" 02 (4) 1' 54" 57 (3)	7' 34" 01 (5) 1' 56" 99 (6) 0' 14" 71	R
6	6	<b>USA</b> XXXXXXXXXX	1' 52" 91 (6)	3' 44" 20 (6) 1' 51" 29 (2)	5' 44" 00 (6) 1' 59" 80 (6)	7' 35" 95 (6) 1' 51" 95 (5) 0' 16" 65	R



# Result sheet : checking 1 – bow numbers order

## MEN LIGHTWEIGHT DOUBLE SCULL

EVENT 12  
LM2X  
H1

Rank	Line	Crew	500 m	1000 m	1500 m	2000 m	
1	5	CAN XXXXXXXXXX	1' 42" 86 (1)	3' 37" 34 (1) 1' 54" 48 (6)	5' 31" 42 (1) 1' 54" 08 (2)	7' 19" 30 (1) 1' 47" 88 (3)	S
2	1	ITA XXXXXXXXXX	1' 44" 52 (2)	3' 38" 93 (2) 1' 54" 41 (4)	5' 33" 56 (2) 1' 54" 63 (4)	7' 20" 59 (2) 0' 01" 29	R
	4	RUS XXXXXXXXXX	1' 51" 94 (5)	3' 41" 46 (4) 1' 49" 52 (1)	5' 37" 30 (5) 1' 55" 84 (5)	7' 22" 82 (3) 0' 03" 52	R
	3	DEN XXXXXXXXXX	1' 46" 72 (3)	3' 40" 30 (3) 1' 53" 58 (3)	5' 34" 33 (3) 1' 54" 03 (1)	7' 26" 00 (4) 1' 51" 67 (4) 0' 06" 70	R
5	2	HKG XXXXXXXXXX	1' 47" 98 (4)	3' 42" 45 (5) 1' 54" 47 (5)	5' 37" 02 (4) 1' 54" 57 (3)	7' 34" 01 (5) 1' 56" 99 (6) 0' 14" 71	R
6	6	USA XXXXXXXXXX	1' 52" 91 (6)	3' 44" 20 (6) 1' 51" 29 (2)	5' 44" 00 (6) 1' 59" 80 (6)	7' 35" 95 (6) 1' 51" 95 (5) 0' 16" 65	R



# Result sheet : checking 2 - nations

## MEN LIGHTWEIGHT DOUBLE SCULL

EVENT 12  
LM2X

H1

Rank	Line	Crew	500 m	1000 m	1500 m	2000 m
1	5	CAN XXXXXXXXXX	1' 42 " 86 (1)	3' 37 " 34 (1) 1' 54 " 48 (6)	5' 31 " 42 (1) 1' 54 " 08 (2)	7' 19 " 30 (1) S 1' 47 " 88 (3)
2	1	ITA XXXXXXXXXX	1' 44 " 52 (2)	3' 38 " 93 (2) 1' 54 " 41 (4)	5' 33 " 56 (2) 1' 54 " 63 (4)	7' 20 " 59 (2) R 0' 01 " 29
3		RUS XXXXXXXXXX	1' 51 " 94 (5)	3' 41 " 46 (4) 1' 49 " 52 (1)	5' 37 " 30 (5) 1' 55 " 84 (5)	7' 22 " 82 (3) R 0' 03 " 52
4		DEN XXXXXXXXXX	1' 46 " 72 (3)	3' 40 " 30 (3) 1' 53 " 58 (3)	5' 34 " 33 (3) 1' 54 " 03 (1)	7' 26 " 00 (4) R 0' 06 " 70
5	2	HKG XXXXXXXXXX	1' 47 " 98 (4)	3' 42 " 45 (5) 1' 54 " 47 (5)	5' 37 " 02 (4) 1' 54 " 57 (3)	7' 34 " 01 (5) R 0' 14 " 71
6	6	USA XXXXXX XXX	1' 52 " 91 (6)	3' 44 " 20 (6) 1' 51 " 29 (2)	5' 44 " 00 (6) 1' 59 " 80 (6)	7' 35 " 95 (6) R 0' 16 " 65

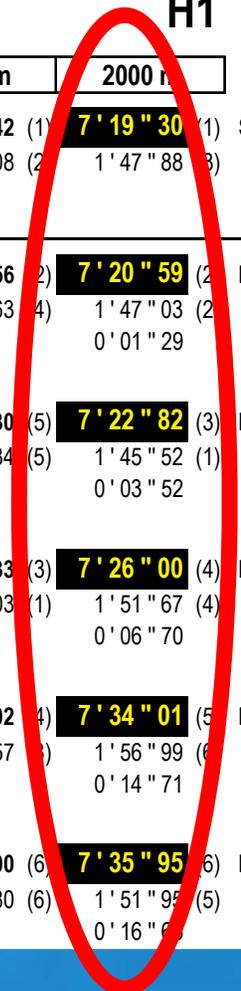
# Result sheet : checking 3 - finish times

## MEN LIGHTWEIGHT DOUBLE SCULL

## EVENT 12 LM2X

## H1

Rank	Line	Crew	500 m	1000 m	1500 m	2000 m
1	5	<b>CAN</b> XXXXXXXXXX	1' 42" 86 (1)	3' 37" 34 (1) 1' 54" 48 (6)	5' 31" 42 (1) 1' 54" 08 (2)	<b>7' 19" 30</b> (1) S 1' 47" 88 (3)
2	1	<b>ITA</b> XXXXXXXXXX	1' 44" 52 (2)	3' 38" 93 (2) 1' 54" 41 (4)	5' 33" 56 (2) 1' 54" 63 (4)	<b>7' 20" 59</b> (2) R 1' 47" 03 (2) 0' 01" 29
3	4	<b>RUS</b> XXXXXXXXXX	1' 51" 94 (5)	3' 41" 46 (4) 1' 49" 52 (1)	5' 37" 30 (5) 1' 55" 84 (5)	<b>7' 22" 82</b> (3) R 1' 45" 52 (1) 0' 03" 52
4	3	<b>DEN</b> XXXXXXXXXX	1' 46" 72 (3)	3' 40" 30 (3) 1' 53" 58 (3)	5' 34" 33 (3) 1' 54" 03 (1)	<b>7' 26" 00</b> (4) R 1' 51" 67 (4) 0' 06" 70
5	2	<b>HKG</b> XXXXXXXXXX	1' 47" 98 (4)	3' 42" 45 (5) 1' 54" 47 (5)	5' 37" 02 (4) 1' 54" 57 (3)	<b>7' 34" 01</b> (5) R 1' 56" 99 (6) 0' 14" 71
6	6	<b>USA</b> XXXXXXXXXX	1' 52" 91 (6)	3' 44" 20 (6) 1' 51" 29 (2)	5' 44" 00 (6) 1' 59" 80 (6)	<b>7' 35" 95</b> (6) R 1' 51" 95 (5) 0' 16" 61



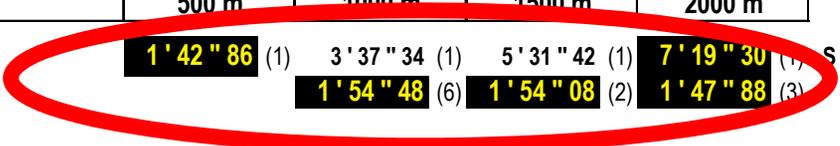
# Result sheet : checking 4 - logic of intermediate times

## MEN LIGHTWEIGHT DOUBLE SCULL

EVENT 12  
LM2X

H1

Rank	Line	Crew	500 m	1000 m	1500 m	2000 m
1	5	CAN XXXXXXXXXX	1' 42 " 86 (1)	3' 37 " 34 (1) 1' 54 " 48 (6)	5' 31 " 42 (1) 1' 54 " 08 (2)	7' 19 " 30 (1) S 1' 47 " 88 (3)
2	1	ITA XXXXXXXXXX	1' 44 " 52 (2)	3' 38 " 93 (2) 1' 54 " 41 (4)	5' 33 " 56 (2) 1' 54 " 63 (4)	7' 20 " 59 (2) R 1' 47 " 03 (2) 0' 01 " 29
3	4	RUS XXXXXXXXXX	1' 51 " 94 (5)	3' 41 " 46 (4) 1' 49 " 52 (1)	5' 37 " 30 (5) 1' 55 " 84 (5)	7' 22 " 82 (3) R 1' 45 " 52 (1) 0' 03 " 52
4	3	DEN XXXXXXXXXX	1' 46 " 72 (3)	3' 40 " 30 (3) 1' 53 " 58 (3)	5' 34 " 33 (3) 1' 54 " 03 (1)	7' 26 " 00 (4) R 1' 51 " 67 (4) 0' 06 " 70
5	2	HKG XXXXXXXXXX	1' 47 " 98 (4)	3' 42 " 45 (5) 1' 54 " 47 (5)	5' 37 " 02 (4) 1' 54 " 57 (3)	7' 34 " 01 (5) R 1' 56 " 99 (6) 0' 14 " 71
6	6	USA XXXXXXXXXX	1' 52 " 91 (6)	3' 44 " 20 (6) 1' 51 " 29 (2)	5' 44 " 00 (6) 1' 59 " 80 (6)	7' 35 " 95 (6) R 1' 51 " 95 (5) 0' 16 " 65



# Result sheet : checking 5 - progression system

## MEN LIGHTWEIGHT DOUBLE SCULL

EVENT 12  
LM2X

H1

Rank	Line	Crew	500 m	1000 m	1500 m	2000 m	
1	5	CAN XXXXXXXXXX	1' 42" 86 (1)	3' 37" 34 (1) 1' 54" 48 (6)	5' 31" 42 (1) 1' 54" 08 (2)	7' 19" 30 (1) 1' 47" 88 (5)	S
2	1	TIA XXXXXXXXXX	1' 44" 52 (2)	3' 38" 93 (2) 1' 54" 41 (4)	5' 33" 56 (2) 1' 54" 63 (4)	7' 20" 59 (2) 1' 47" 03 (2) 0' 01" 29	R
3	4	RUS XXXXXXXXXX	1' 51" 94 (5)	3' 41" 46 (4) 1' 49" 52 (1)	5' 37" 30 (5) 1' 55" 84 (5)	7' 22" 82 (3) 1' 45" 52 (1) 0' 03" 52	R
4	3	DEN XXXXXXXXXX	1' 46" 72 (3)	3' 40" 30 (3) 1' 53" 58 (3)	5' 34" 33 (3) 1' 54" 03 (1)	7' 26" 00 (4) 1' 51" 67 (4) 0' 06" 70	R
5	2	HKG XXXXXXXXXX	1' 47" 98 (4)	3' 42" 45 (5) 1' 54" 47 (5)	5' 37" 02 (4) 1' 54" 57 (3)	7' 34" 01 (5) 1' 56" 99 (5) 0' 14" 71	R
6	6	USA XXXXXXXXXX	1' 52" 91 (6)	3' 44" 20 (6) 1' 51" 29 (2)	5' 44" 00 (6) 1' 59" 80 (6)	7' 35" 95 (6) 1' 51" 95 (5) 0' 16" 65	R



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- Determine the order of the boats crossing the finish line and announce this verbally to the audience in the finish room;
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Rank	Name	500m	1000m	1500m	Time	Ln		
(2)	1:52.96	(2)	3:51.70	(2)	5:51.62	(1)	7:50.83	3
	+8.88		+0.17		+0.13			
(1)	1:52.88	(1)	3:51.13	(3)	5:51.87	(2)	7:53.57	5
					+0.38		+2.74	
(3)	1:53.24	(3)	3:52.55	(1)	5:51.49	(3)	7:54.63	2
	+1.36		+1.42				+3.80	
(4)	1:53.80	(4)	3:56.82	(4)	5:58.43	(4)	8:00.73	4
	+2.84		+4.89		+2.34		+9.90	
(5)	1:57.74	(5)	3:58.48	(5)	6:00.87	(5)	8:03.22	1
	+4.86		+7.27		+9.38		+12.39	
(6)	1:59.46	(6)	4:04.36	(6)	6:10.85	(6)	8:18.29	6
	+6.58		+13.23		+19.16		+27.46	

If all OK : the Responsible signs  
and says  
‘ Race XX OFFICIAL’  
(LOUD please!!!)



AN	(3)	PRESTON Sheryl	4.86	2:00.66 (5)	2:02.47 (4)	2:02.35 (4)	
				7.27	9.38	12.39	
EZ	(3)	KNEJP Kristina	1:59.46 (6)	4:04.36 (6)	6:10.85 (6)	8:18.29	FB
			6.58	2:04.90 (6)	2:06.29 (6)	2:07.64 (6)	
				13.23	19.16	27.46	

1-3 to Final A, Remainder to Final B (1-3->FA, 4...>FB)

*Kimoto*

next round of races shall be ranked last in the overall event placing.

rowing.com

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data processing by **SWISS TIMING**

Report Created SAT 10 JUL 2010 / 08:40



# Judge at the Finish







one example

**MEN LIGHTWEIGHT DOUBLE SCULL**
**EVENT 12  
LM2X**
**H1**

Rank	Line	Crew	500 m	1000 m	1500 m	2000 m
1	5	<b>CAN</b> XXXXXXXXXX	1' 52 " 91 (6)	3' 37 " 34 (1) 1' 44 " 43 (1)	5' 31 " 42 (1) 1' 54 " 08 (2)	7' 19 " 30 (1) S 1' 47 " 88 (3)
2	1	<b>ITA</b> XXXXXXXXXX	1' 44 " 52 (2)	3' 38 " 93 (2) 1' 54 " 41 (4)	5' 33 " 56 (2) 1' 54 " 63 (4)	7' 20 " 59 (2) R 0' 01 " 29
3	4	<b>RUS</b> XXXXXXXXXX	1' 51 " 94 (5)	3' 41 " 46 (4) 1' 49 " 52 (2)	5' 37 " 30 (5) 1' 55 " 84 (5)	7' 22 " 82 (3) R 1' 45 " 52 (1) 0' 03 " 52
4	3	<b>DEN</b> XXXXXXXXXX	1' 46 " 72 (3)	3' 40 " 30 (3) 1' 53 " 58 (3)	5' 34 " 33 (3) 1' 54 " 03 (1)	7' 26 " 00 (4) R 1' 51 " 67 (4) 0' 06 " 70
5	2	<b>HKG</b> XXXXXXXXXX	1' 47 " 98 (4)	3' 42 " 45 (5) 1' 54 " 47 (5)	5' 37 " 02 (4) 1' 54 " 57 (3)	7' 34 " 01 (5) R 1' 56 " 99 (6) 0' 14 " 71
6	6	<b>USA</b> XXXXXXXXXX	1' 42 " 86 (1)	3' 44 " 20 (6) 2' 01 " 34 (6)	5' 44 " 00 (6) 1' 59 " 80 (6)	7' 35 " 95 (6) R 1' 51 " 95 (5) 0' 16 " 65



**MEN LIGHTWEIGHT DOUBLE SCULL**

**EVENT 12  
LM2X**

**H1**

Rank	Line	Crew	500 m	1000 m	1500 m	2000 m
1	5	<b>CAN</b> XXXXXXXXXX	<b>1' 52" 91 (6)</b>	<b>3' 37" 34 (1)</b> <b>1' 44" 43 (1)</b>	5' 31" 42 (1) 1' 54" 08 (2)	7' 19" 30 (1) S 1' 47" 88 (3)
2	1	<b>ITA</b> XXXXXXXXXX	1' 44" 52 (2)	3' 38" 93 (2) 1' 54" 41 (4)	5' 33" 56 (2) 1' 54" 63 (4)	7' 20" 59 (2) R 1' 47" 03 (2) 0' 01" 29
3	4	<b>RUS</b> XXXXXXXXXX	1' 51" 94 (5)	3' 41" 46 (4) 1' 49" 52 (2)	5' 37" 30 (5) 1' 55" 84 (5)	7' 22" 82 (3) R 1' 45" 52 (1) 0' 03" 52
4	3	<b>DEN</b> XXXXXXXXXX	1' 46" 72 (3)	3' 40" 30 (3) 1' 53" 58 (3)	5' 34" 33 (3) 1' 54" 03 (1)	7' 26" 00 (4) R 1' 51" 67 (4) 0' 06" 70
5	2	<b>HKG</b> XXXXXXXXXX	1' 47" 98 (4)	3' 42" 45 (5) 1' 54" 47 (5)	5' 37" 02 (4) 1' 54" 57 (3)	7' 34" 01 (5) R 1' 56" 99 (6) 0' 14" 71
6	6	<b>USA</b> XXXXXXXXXX	<b>1' 42" 86 (1)</b>	<b>3' 44" 20 (6)</b> <b>2' 01" 34 (6)</b>	5' 44" 00 (6) 1' 59" 80 (6)	7' 35" 95 (6) R 1' 51" 95 (5) 0' 16" 65



**MEN LIGHTWEIGHT DOUBLE SCULL**

**EVENT 12  
LM2X**

**H1**

Rank	Line	Crew	500 m	1000 m	1500 m	2000 m
1	5	<b>CAN</b> XXXXXXXXXX	<b>dna</b>	3' 37" 34 (1)	5' 31" 42 (1) 1' 54" 08 (2)	7' 19" 30 (1) S 1' 47" 88 (3)
2	1	<b>ITA</b> XXXXXXXXXX	<b>dna</b>	3' 38" 93 (2)	5' 33" 56 (2) 1' 54" 63 (4)	7' 20" 59 (2) R 1' 47" 03 (2) 0' 01" 29
3	4	<b>RUS</b> XXXXXXXXXX	<b>dna</b>	3' 41" 46 (4)	5' 37" 30 (5) 1' 55" 84 (5)	7' 22" 82 (3) R 1' 45" 52 (1) 0' 03" 52
4	3	<b>DEN</b> XXXXXXXXXX	<b>dna</b>	3' 40" 30 (3)	5' 34" 33 (3) 1' 54" 03 (1)	7' 26" 00 (4) R 1' 51" 67 (4) 0' 06" 70
5	2	<b>HKG</b> XXXXXXXXXX	<b>dna</b>	3' 42" 45 (5)	5' 37" 02 (4) 1' 54" 57 (3)	7' 34" 01 (5) R 1' 56" 99 (6) 0' 14" 71
6	6	<b>USA</b> XXXXXXXXXX	<b>dna</b>	3' 44" 20 (6)	5' 44" 00 (6) 1' 59" 80 (6)	7' 35" 95 (6) R 1' 51" 95 (5) 0' 16" 65



another example

RWC III Poznan, Poland

20 - 22 June 2008

**18**  
(Event)

**RESULTS**  
**Men's Lightweight Single Sculls - Heat 2**

**LM1x**  
**H2**  
**Race 5**

FRI 20 JUN 2008

World Best Time: <b>GBR</b> PURCHASE Zac	Eton (GBR) 2006	<b>6:47.82</b>
World Champion: <b>NZL</b> GRANT Duncan	Munich (GER) 2007 World Champ'ships	<b>6:53.89</b>

Rank	Lane	NOC Code	Pos	Name	500m	1000m	1500m	2000m	Qual. Code
1	2	<b>NZL</b>	(b)	<b>GRANT Duncan</b>	1:39.87 (1)	3:23.15 (1) 1:43.28 (1)	5:08.44 (1) 1:45.29 (1)	<b>6:54.40</b> <b>1:45.96 (1)</b>	SA/B
2	3	<b>BEL</b>	(b)	<b>VAN DER FRAENEN Wouter</b>	1:41.11 (2) 1.24	3:26.40 (2) 3.25	5:12.08 (2) 3.64	<b>6:58.95</b> <b>1:46.87 (2)</b> <b>4.55</b>	SA/B
3	4	<b>HUN</b>	(b)	<b>KITKA Gergely</b>	1:42.74 (3) 2.87	3:28.32 (3) 5.17	5:15.00 (3) 6.56	<b>7:02.55</b> <b>1:47.55 (3)</b> <b>8.15</b>	R
4	1	<b>ALG</b>	(b)	<b>DRIES Chaouki</b>	1:44.58 (4) 4.71	3:36.43 (4) 13.28	5:33.57 (4) 25.13	<b>7:27.45</b> <b>1:53.88 (5)</b> <b>33.05</b>	R
5	5	<b>AZE</b>	(b)	<b>AFABDIYEV Javid</b>	1:50.58 (5) 10.71	3:42.85 (5) 19.70	5:35.88 (5) 27.44	<b>7:28.28</b> <b>1:52.40 (4)</b> <b>33.88</b>	R

Qualification Rules: 1-2 to Semifinal A/B, Remainder to Repechage (1-2->SA/B, 3..->R)

Race 5  
Lane 1 ALG  
LM1x  
Date 20.06.08  
Time 10:56

13.75 kg

*Griff Phillips*

Date 20.06.08  
Time 10:56

0.00 kg

Date 20.06.08  
Time 10:57

20.00 kg

Date 20.06.08  
Time 10:57

40.00 kg

*Griff Phillips*

Date 20.06.08  
Time 10:58

*Griff Phillips*  
13.70 kg



RWC III Poznan, Poland

20 - 22 June 2008

**18**  
(Event)

# RESULTS

**LM1x**

## Men's Lightweight Single Sculls - Heat 2

**H2**

FRI 20 JUN 2008

**Race 5**

**CORRECTED**

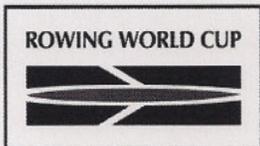
World Best Time: <b>GBR</b> PURCHASE Zac	Eton (GBR) 2006	<b>6:47.82</b>
World Champion: <b>NZL</b> GRANT Duncan	Munich (GER) 2007 World Champ'ships	<b>6:53.89</b>

Rank	Lane	NOC Code	Pos	Name	500m	1000m	1500m	2000m	Qual. Code
1	2	<b>NZL</b>	(b)	<b>GRANT Duncan</b>	1:39.87 (1)	3:23.15 (1) 1:43.28 (1)	5:08.44 (1) 1:45.29 (1)	<b>6:54.40</b> 1:45.96 (1)	SA/B
2	3	<b>BEL</b>	(b)	<b>VAN DER FRAENEN Wouter</b>	1:41.11 (2) 1.24	3:26.40 (2) 1:45.29 (2) 3.25	5:12.08 (2) 1:45.68 (2) 3.64	<b>6:58.95</b> 1:46.87 (2) 4.55	SA/B
3	4	<b>HUN</b>	(b)	<b>KITKA Gergely</b>	1:42.74 (3) 2.87	3:28.32 (3) 1:45.58 (3) 5.17	5:15.00 (3) 1:46.68 (3) 6.56	<b>7:02.55</b> 1:47.55 (3) 8.15	R
4	5	<b>AZE</b>	(b)	<b>AFABDIYEV Javid</b>	1:50.58 (5) 10.71	3:42.85 (5) 1:52.27 (5) 19.70	5:35.88 (5) 1:53.03 (4) 27.44	<b>7:28.28</b> 1:52.40 (4) 33.88	R
5	1	<b>ALG</b>	(b)	<b>DRIES Chaouki</b>	1:44.58 (4) 4.71	3:36.43 (4) 1:51.85 (4) 13.28	5:33.57 (4) 1:57.14 (5) 25.13	<b>BUW</b>	R

Qualification Rules: 1-2 to Semifinal A/B, Remainder to Repechage (1-2->SA/B, 3...->R)



a third one



RWC III Lucerne, Switzerland

09 - 11 July 2010

2  
(Event)

**RESULTS**  
**Men's Pair - Repechage 1**  
FRI 09 JUL 2010

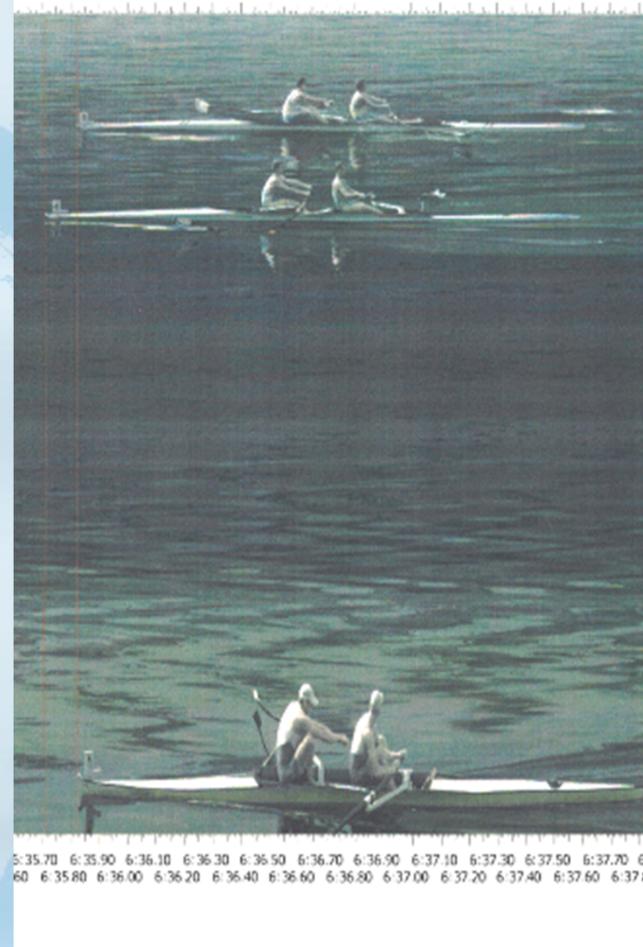
**M2-  
R1  
Race 81**

World Best Time:	<b>GBR</b> CRACKNELL/ PINSENT	Seville (ESP) 2002	6:14.27
World Champion:	<b>NZL</b> MURRAY/ BOND	Poznan (POL) 2009 World Champ'ships	6:15.93

Rank	Lane	NOC Code	Name	500m	1000m	1500m	2000m	Qual. Code	
1	4	<b>RSA</b>	(b) KEELING Shaun	1:35.42 (1)	3:15.81 (1)	4:57.09 (1)	6:35.82	SA/B	
			(s) DI CLEMENTE Ramon		1:40.39 (3)	1:41.28 (4)	1:38.73 (4)		
2	5	<b>AUS</b>	(b) COUDRAYE Bryn	1:36.26 (2)	3:16.48 (2)	4:57.49 (2)	6:35.93	?? ReRow	
			(s) GRIMM Dominic		1:40.22 (2)	1:41.01 (2)	1:38.44 (3)		
				0.84	0.67	0.40	0.11		
2	1	<b>GER2</b>	(b) NARUHN Philipp	1:37.94 (3)	3:18.10 (3)	4:59.20 (3)	6:35.93	?? ReRow	
			(s) EICHNER Florian		1:40.16 (1)	1:41.10 (3)	1:36.73 (1)		
				2.52	2.29	2.11	0.11		
4	6	<b>FRA2</b>	(b) LENTE Sebastien	DNA	DNA	DNA	6:39.54	FC	
			(s) RONDEAU Benjamin						
							3.72		
5	2	<b>IRL</b>	(b) FOLAN Cormac	1:38.64 (4)	3:20.28 (4)	5:00.72 (4)	6:40.64	FC	
			(s) JACOB Sean		1:41.64 (4)	1:40.44 (1)	1:39.92 (5)		
				3.22	4.47	3.63	4.82		
6	3	<b>FRA1</b>	(b) HARDY Adrien	1:39.96 (5)	3:22.40 (5)	5:04.00 (5)	6:41.98	FD	
			(s) CADOT Laurent		1:42.44 (5)	1:41.60 (5)	1:37.98 (2)		
				4.54	6.59	6.91	6.16		

**Qualification Rules:** 1-2 to Semi-final A/B, 3-5 to Final C, Remainder to Final D (1-2->SA/B, 3-5->FC, 6...->FD)

Luzern - M2- R1 (81-1-1)  
Ziel - Main  
Start: 09.07.2010 17:06:02.61



5:35.70 6:35.90 6:36.10 6:36.30 6:36.50 6:36.70 6:36.90 6:37.10 6:37.30 6:37.50 6:37.70 6:37.90 6:38.10 6:38.30 6:38.50 6:38.70 6:38.90 6:39.10 6:39.30 6:39.50 6:39.70 6:39.90 6:40.10 6:40.30 6:40.50 6:40.70 6:40.90 6:41.10 6:41.30 6:41.50 6:41.70 6:41.90 6:42.10 6:42.30 6:42.50 6:42.70 6:42.90 6:43.10 6:43.30 6:43.50 6:43.70 6:43.90 6:44.10 6:44.30 6:44.50 6:44.70 6:44.90 6:45.10 6:45.30 6:45.50 6:45.70 6:45.90 6:46.10 6:46.30 6:46.50 6:46.70 6:46.90 6:47.10 6:47.30 6:47.50 6:47.70 6:47.90 6:48.10 6:48.30 6:48.50 6:48.70 6:48.90 6:49.10 6:49.30 6:49.50 6:49.70 6:49.90 6:50.10 6:50.30 6:50.50 6:50.70 6:50.90 6:51.10 6:51.30 6:51.50 6:51.70 6:51.90 6:52.10 6:52.30 6:52.50 6:52.70 6:52.90 6:53.10 6:53.30 6:53.50 6:53.70 6:53.90 6:54.10 6:54.30 6:54.50 6:54.70 6:54.90 6:55.10 6:55.30 6:55.50 6:55.70 6:55.90 6:56.10 6:56.30 6:56.50 6:56.70 6:56.90 6:57.10 6:57.30 6:57.50 6:57.70 6:57.90 6:58.10 6:58.30 6:58.50 6:58.70 6:58.90 6:59.10 6:59.30 6:59.50 6:59.70 6:59.90 7:00.10 7:00.30 7:00.50 7:00.70 7:00.90 7:01.10 7:01.30 7:01.50 7:01.70 7:01.90 7:02.10 7:02.30 7:02.50 7:02.70 7:02.90 7:03.10 7:03.30 7:03.50 7:03.70 7:03.90 7:04.10 7:04.30 7:04.50 7:04.70 7:04.90 7:05.10 7:05.30 7:05.50 7:05.70 7:05.90 7:06.10 7:06.30 7:06.50 7:06.70 7:06.90 7:07.10 7:07.30 7:07.50 7:07.70 7:07.90 7:08.10 7:08.30 7:08.50 7:08.70 7:08.90 7:09.10 7:09.30 7:09.50 7:09.70 7:09.90 7:10.10 7:10.30 7:10.50 7:10.70 7:10.90 7:11.10 7:11.30 7:11.50 7:11.70 7:11.90 7:12.10 7:12.30 7:12.50 7:12.70 7:12.90 7:13.10 7:13.30 7:13.50 7:13.70 7:13.90 7:14.10 7:14.30 7:14.50 7:14.70 7:14.90 7:15.10 7:15.30 7:15.50 7:15.70 7:15.90 7:16.10 7:16.30 7:16.50 7:16.70 7:16.90 7:17.10 7:17.30 7:17.50 7:17.70 7:17.90 7:18.10 7:18.30 7:18.50 7:18.70 7:18.90 7:19.10 7:19.30 7:19.50 7:19.70 7:19.90 7:20.10 7:20.30 7:20.50 7:20.70 7:20.90 7:21.10 7:21.30 7:21.50 7:21.70 7:21.90 7:22.10 7:22.30 7:22.50 7:22.70 7:22.90 7:23.10 7:23.30 7:23.50 7:23.70 7:23.90 7:24.10 7:24.30 7:24.50 7:24.70 7:24.90 7:25.10 7:25.30 7:25.50 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7:50.70 7:50.90 7:51.10 7:51.30 7:51.50 7:51.70 7:51.90 7:52.10 7:52.30 7:52.50 7:52.70 7:52.90 7:53.10 7:53.30 7:53.50 7:53.70 7:53.90 7:54.10 7:54.30 7:54.50 7:54.70 7:54.90 7:55.10 7:55.30 7:55.50 7:55.70 7:55.90 7:56.10 7:56.30 7:56.50 7:56.70 7:56.90 7:57.10 7:57.30 7:57.50 7:57.70 7:57.90 7:58.10 7:58.30 7:58.50 7:58.70 7:58.90 7:59.10 7:59.30 7:59.50 7:59.70 7:59.90 8:00.10 8:00.30 8:00.50 8:00.70 8:00.90 8:01.10 8:01.30 8:01.50 8:01.70 8:01.90 8:02.10 8:02.30 8:02.50 8:02.70 8:02.90 8:03.10 8:03.30 8:03.50 8:03.70 8:03.90 8:04.10 8:04.30 8:04.50 8:04.70 8:04.90 8:05.10 8:05.30 8:05.50 8:05.70 8:05.90 8:06.10 8:06.30 8:06.50 8:06.70 8:06.90 8:07.10 8:07.30 8:07.50 8:07.70 8:07.90 8:08.10 8:08.30 8:08.50 8:08.70 8:08.90 8:09.10 8:09.30 8:09.50 8:09.70 8:09.90 8:10.10 8:10.30 8:10.50 8:10.70 8:10.90 8:11.10 8:11.30 8:11.50 8:11.70 8:11.90 8:12.10 8:12.30 8:12.50 8:12.70 8:12.90 8:13.10 8:13.30 8:13.50 8:13.70 8:13.90 8:14.10 8:14.30 8:14.50 8:14.70 8:14.90 8:15.10 8:15.30 8:15.50 8:15.70 8:15.90 8:16.10 8:16.30 8:16.50 8:16.70 8:16.90 8:17.10 8:17.30 8:17.50 8:17.70 8:17.90 8:18.10 8:18.30 8:18.50 8:18.70 8:18.90 8:19.10 8:19.30 8:19.50 8:19.70 8:19.90 8:20.10 8:20.30 8:20.50 8:20.70 8:20.90 8:21.10 8:21.30 8:21.50 8:21.70 8:21.90 8:22.10 8:22.30 8:22.50 8:22.70 8:22.90 8:23.10 8:23.30 8:23.50 8:23.70 8:23.90 8:24.10 8:24.30 8:24.50 8:24.70 8:24.90 8:25.10 8:25.30 8:25.50 8:25.70 8:25.90 8:26.10 8:26.30 8:26.50 8:26.70 8:26.90 8:27.10 8:27.30 8:27.50 8:27.70 8:27.90 8:28.10 8:28.30 8:28.50 8:28.70 8:28.90 8:29.10 8:29.30 8:29.50 8:29.70 8:29.90 8:30.10 8:30.30 8:30.50 8:30.70 8:30.90 8:31.10 8:31.30 8:31.50 8:31.70 8:31.90 8:32.10 8:32.30 8:32.50 8:32.70 8:32.90 8:33.10 8:33.30 8:33.50 8:33.70 8:33.90 8:34.10 8:34.30 8:34.50 8:34.70 8:34.90 8:35.10 8:35.30 8:35.50 8:35.70 8:35.90 8:36.10 8:36.30 8:36.50 8:36.70 8:36.90 8:37.10 8:37.30 8:37.50 8:37.70 8:37.90 8:38.10 8:38.30 8:38.50 8:38.70 8:38.90 8:39.10 8:39.30 8:39.50 8:39.70 8:39.90 8:40.10 8:40.30 8:40.50 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9:55.70 9:55.90 9:56.10 9:56.30 9:56.50 9:56.70 9:56.90 9:57.10 9:57.30 9:57.50 9:57.70 9:57.90 9:58.10 9:58.30 9:58.50 9:58.70 9:58.90 9:59.10 9:59.30 9:59.50 9:59.70 9:59.90 10:00.10 10:00.30 10:00.50 10:00.70 10:00.90 10:01.10 10:01.30 10:01.50 10:01.70 10:01.90 10:02.10 10:02.30 10:02.50 10:02.70 10:02.90 10:03.10 10:03.30 10:03.50 10:03.70 10:03.90 10:04.10 10:04.30 10:04.50 10:04.70 10:04.90 10:05.10 10:05.30 10:05.50 10:05.70 10:05.90 10:06.10 10:06.30 10:06.50 10:06.70 10:06.90 10:07.10 10:07.30 10:07.50 10:07.70 10:07.90 10:08.10 10:08.30 10:08.50 10:08.70 10:08.90 10:09.10 10:09.30 10:09.50 10:09.70 10:09.90 10:10.10 10:10.30 10:10.50 10:10.70 10:10.90 10:11.10 10:11.30 10:11.50 10:11.70 10:11.90 10:12.10 10:12.30 10:12.50 10:12.70 10:12.90 10:13.10 10:13.30 10:13.50 10:13.70 10:13.90 10:14.10 10:14.30 10:14.50 10:14.70 10:14.90 10:15.10 10:15.30 10:15.50 10:15.70 10:15.90 10:16.10 10:16.30 10:16.50 10:16.70 10:16.90 10:17.10 10:17.30 10:17.50 10:17.70 10:17.90 10:18.10 10:18.30 10:18.50 10:18.70 10:18.90 10:19.10 10:19.30 10:19.50 10:19.70 10:19.90 10:20.10 10:20.30 10:20.50 10:20.70 10:20.90 10:21.10 10:21.30 10:21.50 10:21.70 10:21.90 10:22.10 10:22.30 10:22.50 10:22.70 10:22.90 10:23.10 10:23.30 10:23.50 10:23.70 10:23.90 10:24.10 10:24.30 10:24.50 10:24.70 10:24.90 10:25.10 10:25.30 10:25.50 10:25.70 10:25.90 10:26.10 10:26.30 10:26.50 10:26.70 10:26.90 10:27.10 10:27.30 10:27.50 10:27.70 10:27.90 10:28.10 10:28.30 10:28.50 10:28.70 10:28.90 10:29.10 10:29.30 10:29.50 10:29.70 10:29.90 10:30.10 10:30.30 10:30.50 10:30.70 10:30.90 10:31.10 10:31.30 10:31.50 10:31.70 10:31.90 10:32.10 10:32.30 10:32.50 10:32.70 10:32.90 10:33.10 10:33.30 10:33.50 10:33.70 10:33.90 10:34.10 10:34.30 10:34.50 10:34.70 10:34.90 10:35.10 10:35.30 10:35.50 10:35.70 10:35.90 10:36.10 10:36.30 10:36.50 10:36.70 10:36.90 10:37.10 10:37.30 10:37.50 10:37.70 10:37.90 10:38.10 10:38.30 10:38.50 10:38.70 10:38.90 10:39.10 10:39.30 10:39.50 10:39.70 10:39.90 10:40.10 10:40.30 10:40.50 10:40.70 10:40.90 10:41.10 10:41.30 10:41.50 10:41.70 10:41.90 10



RWC III Lucerne, Switzerland

09 - 11 July 2010

**2**  
(Event)

**RESULTS**

**M2-**

**Men's Pair - Repechage Re-Row 3**

**R3**

FRI 09 JUL 2010

**Race 215**

World Best Time: <b>GBR</b> CRACKNELL/ PINSENT	Seville (ESP) 2002	<b>6:14.27</b>
World Champion: <b>NZL</b> MURRAY/ BOND	Poznan (POL) 2009 World Champ'ships	<b>6:15.93</b>

Rank	Lane	NOC Code	Name	500m	1000m	1500m	2000m	Qual. Code
1	3	<b>GER2</b>	(b) <b>NARUHN Philipp</b>	1:37.21 (2)	3:18.69 (1)	5:02.81 (1)	<b>6:50.27</b>	SAB
			(s) <b>EICHNER Florian</b>		1:41.48 (1)	1:44.12 (1)	<b>1:47.46 (1)</b>	
				0.64				
2	4	<b>AUS</b>	(b) <b>COUDRAYE Bryn</b>	1:36.57 (1)	3:21.57 (2)	5:07.11 (2)	<b>6:56.55</b>	FC
			(s) <b>GRIMM Dominic</b>		1:45.00 (2)	1:45.54 (2)	<b>1:49.44 (2)</b>	
					2.88	4.30	<b>6.28</b>	



a final one

RWC III Poznan, Poland 20 - 22 June 2008  
**17 RESULTS LW1x**  
 (Event) **Women's Lightweight Single Sculls - Repechage 1 R1**  
**FRI 20 JUN 2008 Race 33**

World Best Time: ROU Burica Constanta Paris (FRA) 1994 7:28.15  
 World Champion: NED van EUPEN Marit Munich (GER) 2007 World Championships 7:38.02

Rank	Lane	NOC Code	Pos	Name	500m	1000m	1500m	2000m	Qual. Code
1	3	SWE2	(b)	KARLSSON Sara	1:53.62 (1)	3:49.89 (2) 1:56.27 (5) 1.16	5:49.53 (2) 1:59.64 (3) 1.56	7:51.22 2:01.69 (=3)	SA/B
2	4	DEN1	(b)	CHRISTIANSEN Sine	1:54.37 (3)	3:50.29 (3) 1:55.92 (4) 0.75	5:49.85 (3) 1:59.56 (2) 1.88	7:51.54 2:01.69 (=3) 0.32	SA/B
3	1	TUN	(b)	TRIMECH Ibtissem	1:56.62 (4)	3:50.49 (4) 1:53.87 (1) 3.00	5:52.78 (4) 2:02.29 (5) 4.81	7:54.15 2:01.37 (2) 2.93	SA/B
4	2	IRL2	(b)	NI CHEILLEACHER Niamh	1:53.96 (2)	3:48.73 (1) 1:54.77 (3) 0.34	5:47.97 (1) 1:59.24 (1) 3.06	7:54.28 2:06.31 (6) 3.06	FC
5	6	HKG	(b)	LEE Ka Man	1:57.39 (5)	3:52.08 (5) 1:54.69 (2) 3.77	6:00.55 (6) 2:08.47 (6) 12.58	8:00.62 2:00.07 (1) 9.40	FC
6	5	DEN3	(b)	TIBIAN Helle	1:59.47 (6)	3:56.59 (6) 1:57.12 (6) 5.85	5:58.40 (5) 2:01.81 (4) 7.86	8:01.02 2:02.62 (5) 9.80	FC

*LW 1x Race 33  
SWE 2 STNr. 3*

Qualification Rules: 1 >SA/B, 4.->FC)

Date 20.06.08  
 Time 15:50  
*1st boat weighing with cable → 14.00 kg*  
 Date 20.06.08  
 Time 15:53  
*1st weighing 20.00 kg*  
 Date 20.06.08  
 Time 15:54

*Anjel*

Note: Boats not moving on to the next round of races shall be ranked last in the overall event placing.  
 Legend: (b) bow

INTERNET Service: www.worldrowing.com  
 FISA Data Service data processing by SWISS TIMING  
 FRI 20 JUN 2008 / 15:07 Page 1 / 1

Date 20.06.08  
 Time 15:54  
*2nd weighing without cable → 13.90 kg*  
*Jago Chaleniere*  
*Isaac*

RWC III Poznan, Poland 20 - 22 June 2008  
**17 RESULTS LW1x**  
 (Event) **Women's Lightweight Single Sculls - Repechage 1 R1**  
**FRI 20 JUN 2008 Race 33**

World Best Time: ROU Burica Constanta Paris (FRA) 1994 7:28.15  
 World Champion: NED van EUPEN Marit Munich (GER) 2007 World Championships 7:38.02

Rank	Lane	NOC Code	Pos	Name	500m	1000m	1500m	2000m	Qual. Code
1	4	DEN1	(b)	CHRISTIANSEN Sine	1:54.37 (3)	3:50.29 (3) 1:55.92 (4) 0.75	5:49.85 (3) 1:59.56 (2) 1.88	7:51.54 2:01.69 (3)	SA/B
2	1	TUN	(b)	TRIMECH Ibtissem	1:56.62 (4)	3:50.49 (4) 1:53.87 (1) 3.00	5:52.78 (4) 2:02.29 (5) 4.81	7:54.15 2:01.37 (2) 2.61	SA/B
3	2	IRL2	(b)	NI CHEILLEACHER Niamh	1:53.96 (2)	3:48.73 (1) 1:54.77 (3) 0.34	5:47.97 (1) 1:59.24 (1) 3.06	7:54.28 2:06.31 (6) 2.74	SA/B
4	6	HKG	(b)	LEE Ka Man	1:57.39 (5)	3:52.08 (5) 1:54.69 (2) 3.77	6:00.55 (6) 2:08.47 (6) 12.58	8:00.62 2:00.07 (1) 9.08	FC
5	5	DEN3	(b)	TIBIAN Helle	1:59.47 (6)	3:56.59 (6) 1:57.12 (6) 5.85	5:58.40 (5) 2:01.81 (4) 7.86	8:01.02 2:02.62 (5) 9.48	FC
6	3	SWE2	(b)	KARLSSON Sara	1:53.62 (1)	3:49.89 (2) 1:56.27 (5) 1.16	5:49.53 (2) 1:59.64 (3) 1.56	7:51.22 2:01.69 (=3) 1.56	BUW FC

CORRECTED

Qualification Rules: 1-3 to Semifinal A/B, Remainder to Final C (1-3->SA/B, 4.->FC)

Note: Boats not moving on to the next round of races shall be ranked last in the overall event placing.  
 Legend: (b) Boat under weight (b) bow

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 FISA Data Service data processing by SWISS TIMING  
 Report Created FRI 20 JUN 2008 / 16:05 Page 1 / 1



RWC III Poznan, Poland 20 - 22 June 2008

**17** **START LIST** **LW1x**  
 (Event) **Women's Lightweight Single Sculls - Semifinals** **S**  
**Races 48,49**

World Best Time: ROU Burca Constanta Paris (FRA) 1994 7:28.15  
 World Champion: NED van EUPEN Marit Munich (GER) 2007 World Champ'ships 7:38.02

Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6
<b>Race 48 / 21 JUN 2008 / 10:36 / Semifinal A/B 1</b>					
<b>FIN</b>	<b>GRE</b>	<b>GER</b>	<b>IRL1</b>	<b>AUT</b>	<b>DEN1</b>
(b) HILTUNEN I.	GIAZITZIDOU C.	TIBITANZL L.	JENNINGS S.	TAUPE-TRAER M.	CHRISTIANSEN S.

Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6
<b>Race 49 / 21 JUN 2008 / 10:42 / Semifinal A/B 2</b>					
<b>DEN2</b>	<b>IRL3</b>	<b>CAN</b>	<b>SWE1</b>	<b>SWE2</b>	<b>TUN</b>
(b) GOTTLIEB M.	DUDDY O.	JENNERICH L.	HOEGBERG K.	KARLSSON S.	TRIMECH I.

**Qualification Rules:** 1-3 to Final A, Remainder to Final B (1-3->FA, 4...->FB)

RWC III Poznan, Poland 20 - 22 June 2008

**17** **START LIST** **LW1x**  
 (Event) **Women's Lightweight Single Sculls - Semifinals** **S**  
**Races 48,49**

World Best Time: ROU Burca Constanta Paris (FRA) 1994 7:28.15  
 World Champion: NED van EUPEN Marit Munich (GER) 2007 World Champ'ships 7:38.02

Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6
<b>Race 48 / 21 JUN 2008 / 10:36 / Semifinal A/B 1</b>					
<b>FIN</b>	<b>GRE</b>	<b>IRL1</b>	<b>GER</b>	<b>AUT</b>	<b>TUN</b>
(b) HILTUNEN I.	GIAZITZIDOU C.	JENNINGS S.	TIBITANZL L.	TAUPE-TRAER M.	TRIMECH I.

Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6
<b>Race 49 / 21 JUN 2008 / 10:42 / Semifinal A/B 2</b>					
<b>IRL2</b>	<b>DEN1</b>	<b>SWE1</b>	<b>CAN</b>	<b>IRL3</b>	<b>DEN2</b>
(b) NI CHEILLEACHER N.	CHRISTIANSEN S.	HOEGBERG K.	JENNERICH L.	DUDDY O.	GOTTLIEB M.

**Qualification Rules:** 1-3 to Final A, Remainder to Final B (1-3->FA, 4...->FB)

RWC III Poznan, Poland 20 - 22 June 2008

**17** **START LIST** **LW1x**  
 (Event) **Women's Lightweight Single Sculls - Finals** **F**  
**Races 52,76,78**

World Best Time: ROU Burca Constanta Paris (FRA) 1994 7:28.15  
 World Champion: NED van EUPEN Marit Munich (GER) 2007 World Champ'ships 7:38.02

Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6
<b>Race 52 / 21 JUN 2008 / 11:00 / Final C</b>					
<b>IRL4</b>	<b>DEN4</b>	<b>VEN</b>	<b>IRL2</b>	<b>HKG</b>	<b>DEN3</b>
(b) HAYES O.	OLSEN H.	SANTOYO A.	NI CHEILLEACHER N.	LEE K.	TIBIAN H.

**Race 76 / 21 JUN 2008 / 16:30 / Final B**

**Race 78 / 21 JUN 2008 / 16:50 / Final A**

RWC III Poznan, Poland 20 - 22 June 2008

**17** **START LIST** **LW1x**  
 (Event) **Women's Lightweight Single Sculls - Finals** **F**  
**Races 52,76,78**

World Best Time: ROU Burca Constanta Paris (FRA) 1994 7:28.15  
 World Champion: NED van EUPEN Marit Munich (GER) 2007 World Champ'ships 7:38.02

Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6
<b>Race 52 / 21 JUN 2008 / 11:00 / Final C</b>					
<b>SWE2</b>	<b>DEN3</b>	<b>HKG</b>	<b>VEN</b>	<b>DEN4</b>	<b>IRL4</b>
(b) KARLSSON S.	TIBIAN H.	LEE K.	SANTOYO A.	OLSEN H.	HAYES O.

**Race 76 / 21 JUN 2008 / 16:30 / Final B**

**Race 78 / 21 JUN 2008 / 16:50 / Final A**



# Some photo finish examples

# Photo Finish

## Example A



# Photo Finish

## Example B

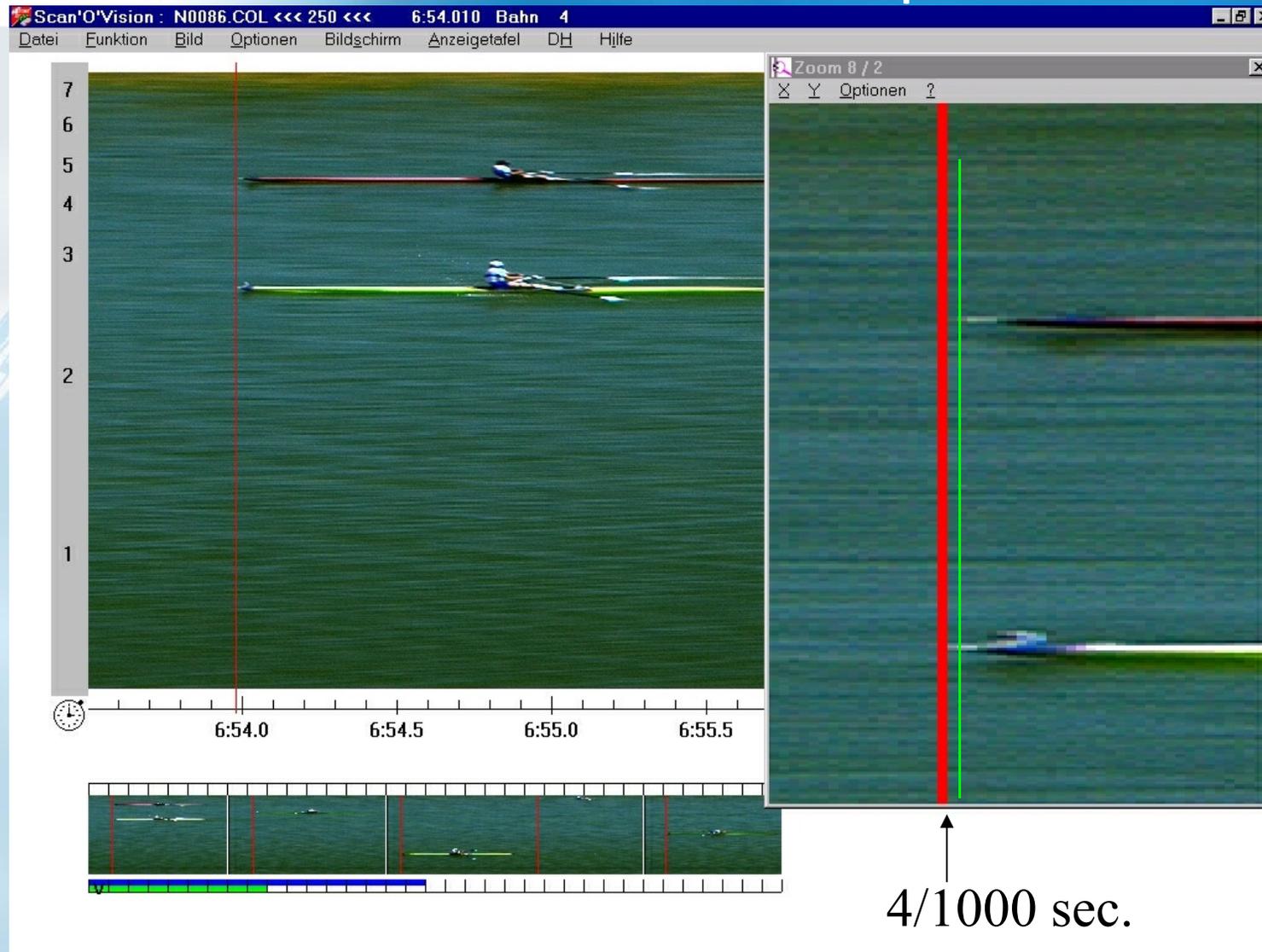


Comment: not good ! What will happen when a bow ball is behind a rower....

Reason: camera is too low!

# Photo Finish

## Example C



# Photo Finish

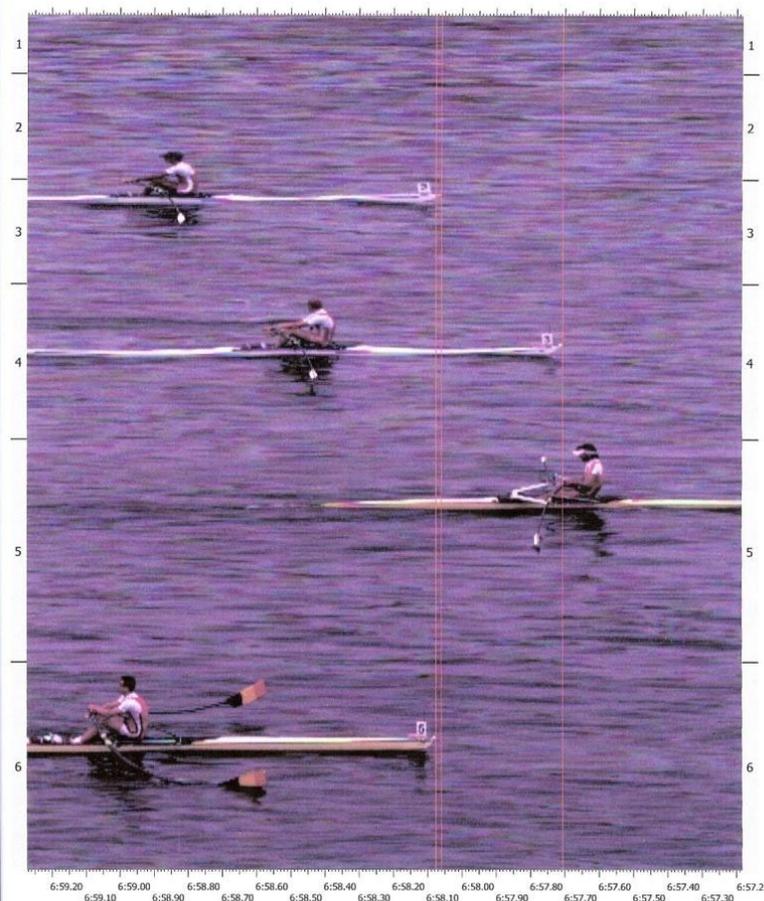
## Example D

21.06.2008 11:03:11

Poznan\_2008 - LM1x SA/B 1 (50-1-1)

Ziel - Main

Start: 21.06.2008 10:47:58.46



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RWC III Poznan, Poland

20 - 22 June 2008

18

RESULTS

LM1x

(Event)

Men's Lightweight Single Sculls - Semifinal A/B 1

SA/B 1

SAT 21 JUN 2008

Race 50

World Best Time: GBR PURCHASE Zac Eton (GBR) 2006 6:47.82  
 World Champion: NZL GRANT Duncan Munich (GER) 2007 World Championships 6:53.89

Rank	Lane	NOC Code	Pos	Name	500m	1000m	1500m	2000m	Qual. Code
1	4	NED	(b)	SCHOUTEN Jaap	1:41.40 (1)	3:24.90 (1)	5:10.58 (1)	6:56.91 (4)	FA
2	3	DEN	(b)	JOERGENSEN Morten	1:42.75 (3)	3:27.23 (2)	5:15.06 (4)	6:57.71 (1)	FA
					1.35	2.33	4.48	0.80	
3	2	JPN	(b)	SUDA Takahiro	1:43.90 (5)	3:29.56 (5)	5:13.73 (3)	6:58.07 (2)	FA
					1:45.66 (4)	1:44.17 (1)	1:44.34 (2)		
					2.50	4.66	3.15	1.16	
4	5	BEL	(b)	VAN DER FRAENEN Wouter	1:42.05 (2)	3:27.44 (3)	5:13.28 (2)	6:58.08 (3)	FB
					1:45.39 (3)	1:45.84 (3)	1:44.80 (3)		
					0.65	2.54	2.70	1.17	
5	6	ITA1	(b)	SANCASSANI Franco	1:43.23 (4)	3:29.21 (4)	5:17.44 (5)	7:06.40 (5)	FB
					1:45.98 (6)	1:48.23 (6)	1:48.96 (5)		
					1.83	4.31	6.86	9.49	
6	1	VEN	(b)	GUIPE Jose	1:44.71 (6)	3:30.42 (6)	5:18.39 (6)	7:11.67 (6)	FB
					1:45.71 (5)	1:47.97 (5)	1:53.28 (6)		
					3.31	5.52	7.81	14.76	

Qualification Rules: 1-3 to Final A, Remainder to Final B (1-3->FA, 4.->FB)

Note: Boats not moving on to the next round of races shall be ranked last in the overall event placing

Legend:

(b) bow

INTERNET Service: [www.worldrowing.com](http://www.worldrowing.com)

FISA Data Service

Page 1 / 1

data processing by SWISS TIMING

Report Created SAT 21 JUN 2008 / 10:56

# Photo Finish

## Example E

Rang	Ba	Land / Verein	Zeit
1.	3	AUS	6:01.23
2.	4	GER	6:01.51
3.	1	FRA	6:01.66
4.	2	ITA	6:01.77
5.	5	BLR	6:01.84
6.	6	GBR	6:13.59



Back up : helps some times...

JM4x FB



JM4x FB

Zoom 2 / 2 Glanz  
X Y Optionen ?

Back up system

Visible

# Dead Heat Problem



WHAT IS THE DIFFERENCE BETWEEN THESE TWO RESULTS ?

RANK	LANE	NATION	TIME	
1	3	ITA	6:48.15	
2	5	LAT	6:52.16	+ 4.01
3	1	CRO	6:52.16	+ 4.01
4	4	AUT	6:56.32	+ 8.17
5	2	GBR	7:04.71	+ 16.56
6	6	RUS	7:07.75	+ 19.70

RANK	LANE	NATION	TIME	
1	3	ITA	6:48.15	
2	5	LAT	6:52.16	+ 4.01
2	1	CRO	6:52.16	+ 4.01
4	4	AUT	6:56.32	+ 8.17
5	2	GBR	7:04.71	+ 16.56
6	6	RUS	7:07.75	+ 19.70

RANK	LANE	NATION	TIME	
1	3	ITA	6:48.15	
2	5	LAT	6:52.16	+ 4.01
3	1	CRO	6:52.16	+ 4.01
4	4	AUT	6:56.32	+ 8.17
5	2	GBR	7:04.71	+ 16.56
6	6	RUS	7:07.75	+ 19.70

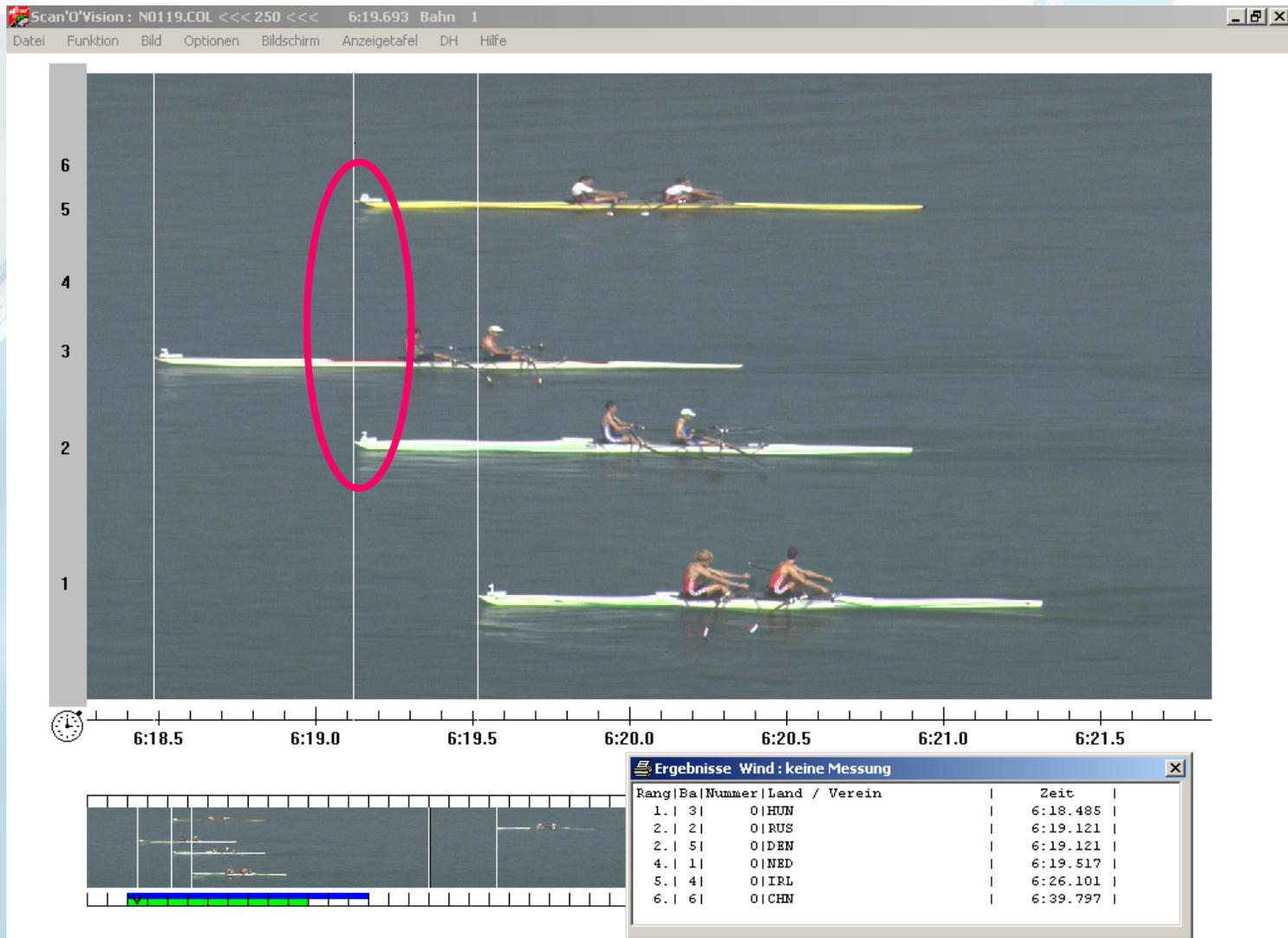
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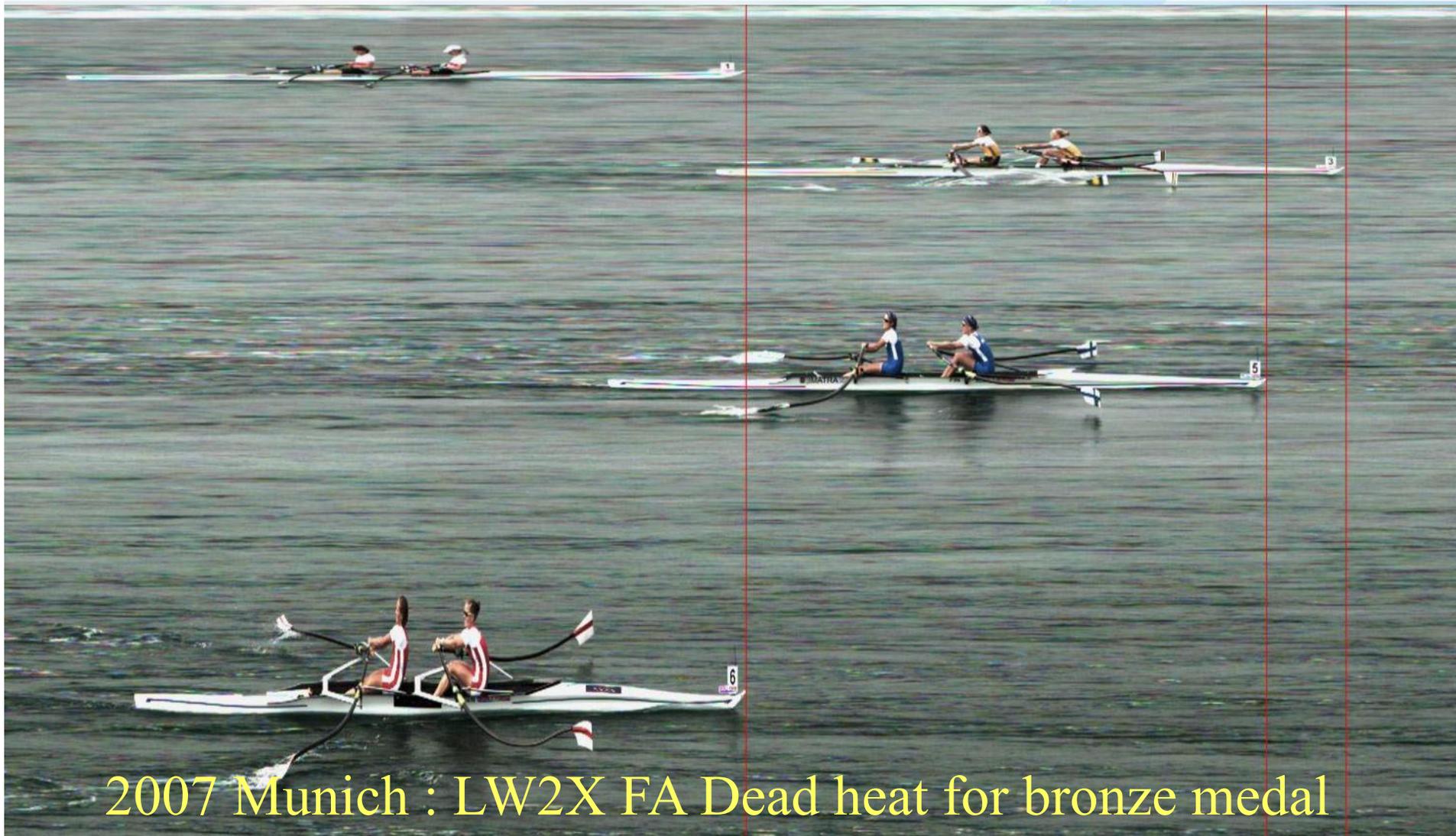
RANK	LANE	NATION	TIME	
1	3	ITA	6:48.15	
2	5	LAT	6:52.16	+ 4.01
2	1	CRO	6:52.16	+ 4.01
4	4	AUT	6:56.32	+ 8.17
5	2	GBR	7:04.71	+ 16.56
6	6	RUS	7:07.75	+ 19.70

RANK	LANE	NATION	TIME	
1	3	ITA	6:48.15	
2	5	LAT	6.52.162	+ 4.01
3	1	CRO	6.52.167	+ 4.01
4	4	AUT	6:56.32	+ 8.17
5	2	GBR	7.04.71	+ 16.56
6	6	RUS	7.07.75	+ 19.70

RANK	LANE	NATION	TIME	
1	3	ITA	6:48.15	
2	5	LAT	6.52.162	+ 4.01
2	1	CRO	6.52.162	+ 4.01
4	4	AUT	6:56.32	+ 8.17
5	2	GBR	7.04.71	+ 16.56
6	6	RUS	7.07.75	+ 19.70

IF WE CAN SEE A DIFFERENCE WE MUST GIVE A RANKING  
EVEN IF THE RESULTS ARE IN THE SAME HUNDREDTH OF SECOND.  
IF NOT THERE IS A DEAD HEAT

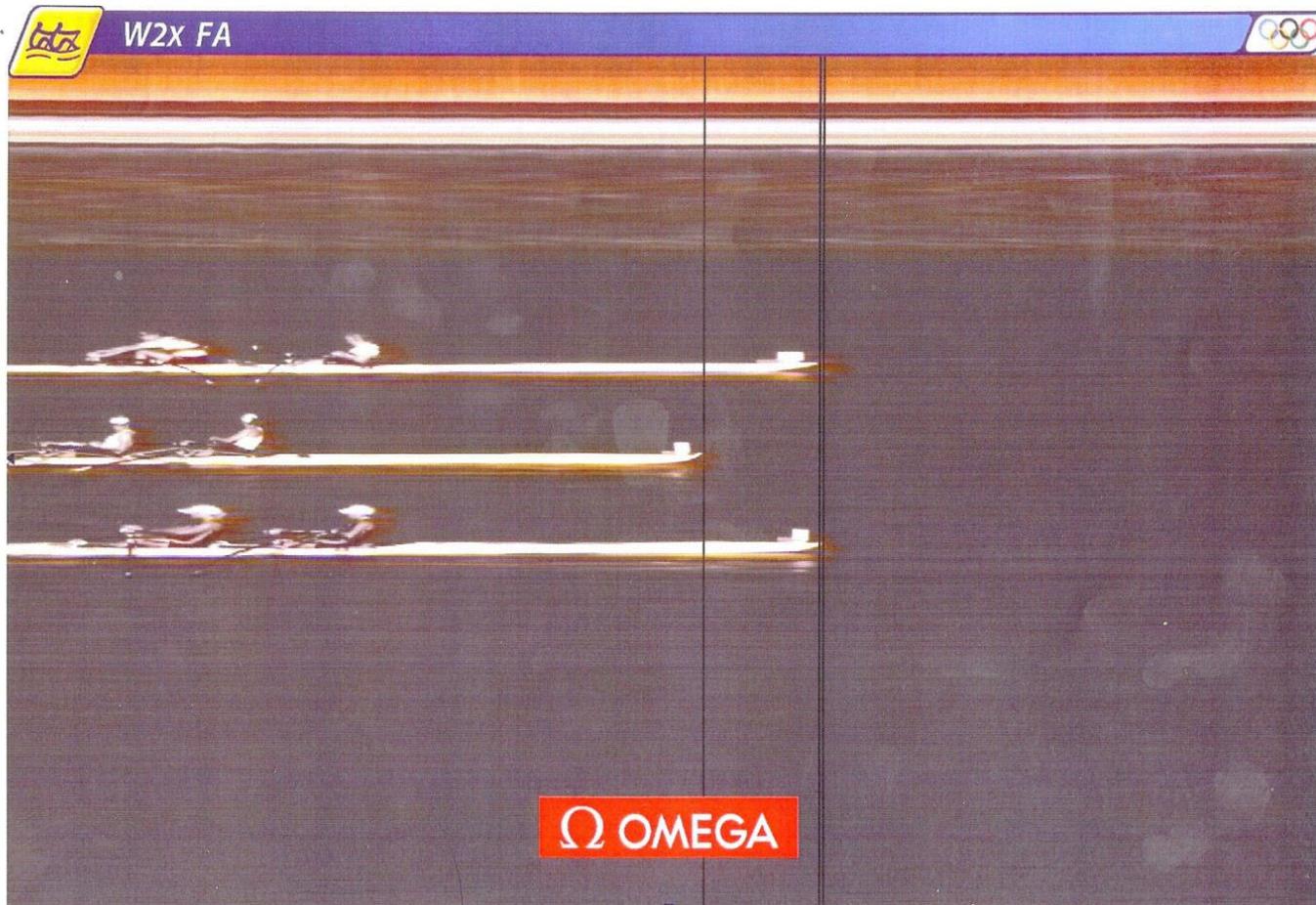




## 2007 Munich : LW2X FA Dead heat for bronze medal



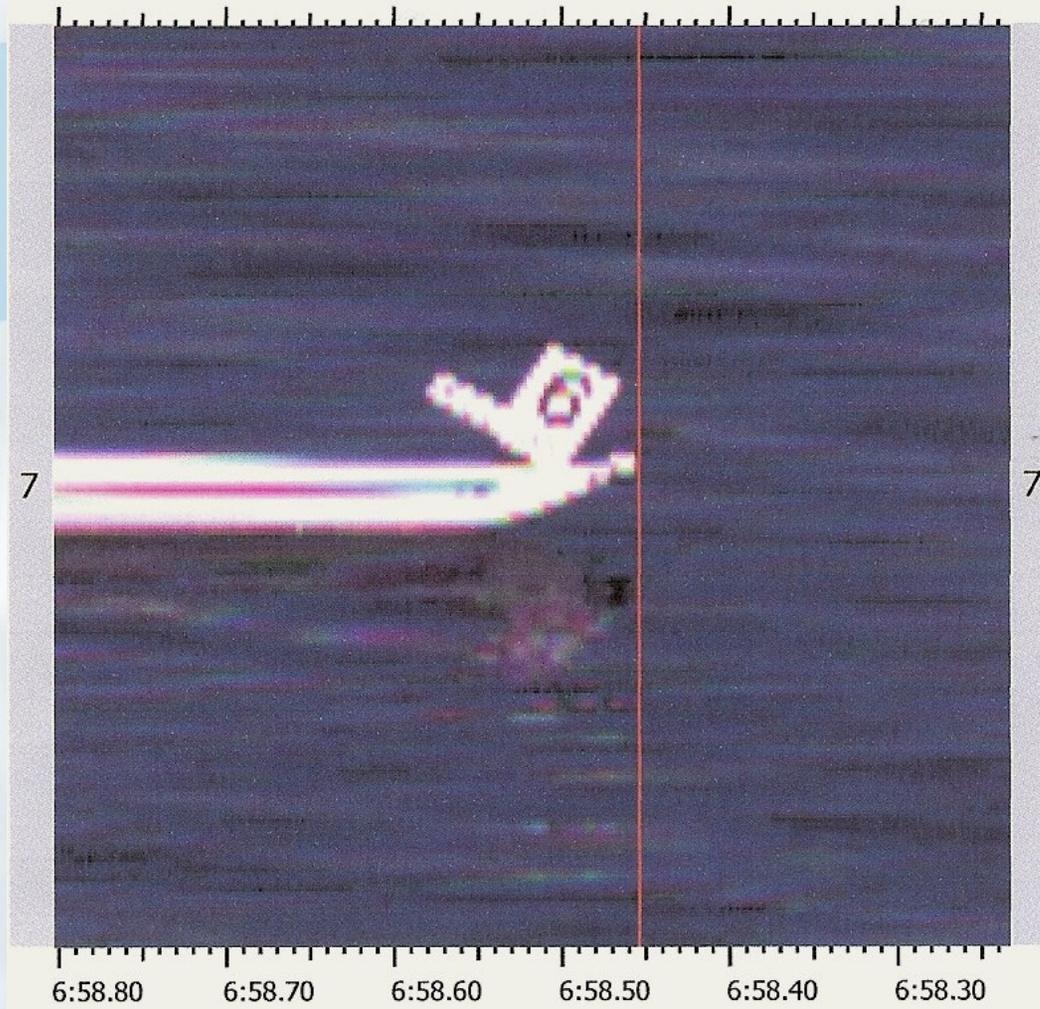


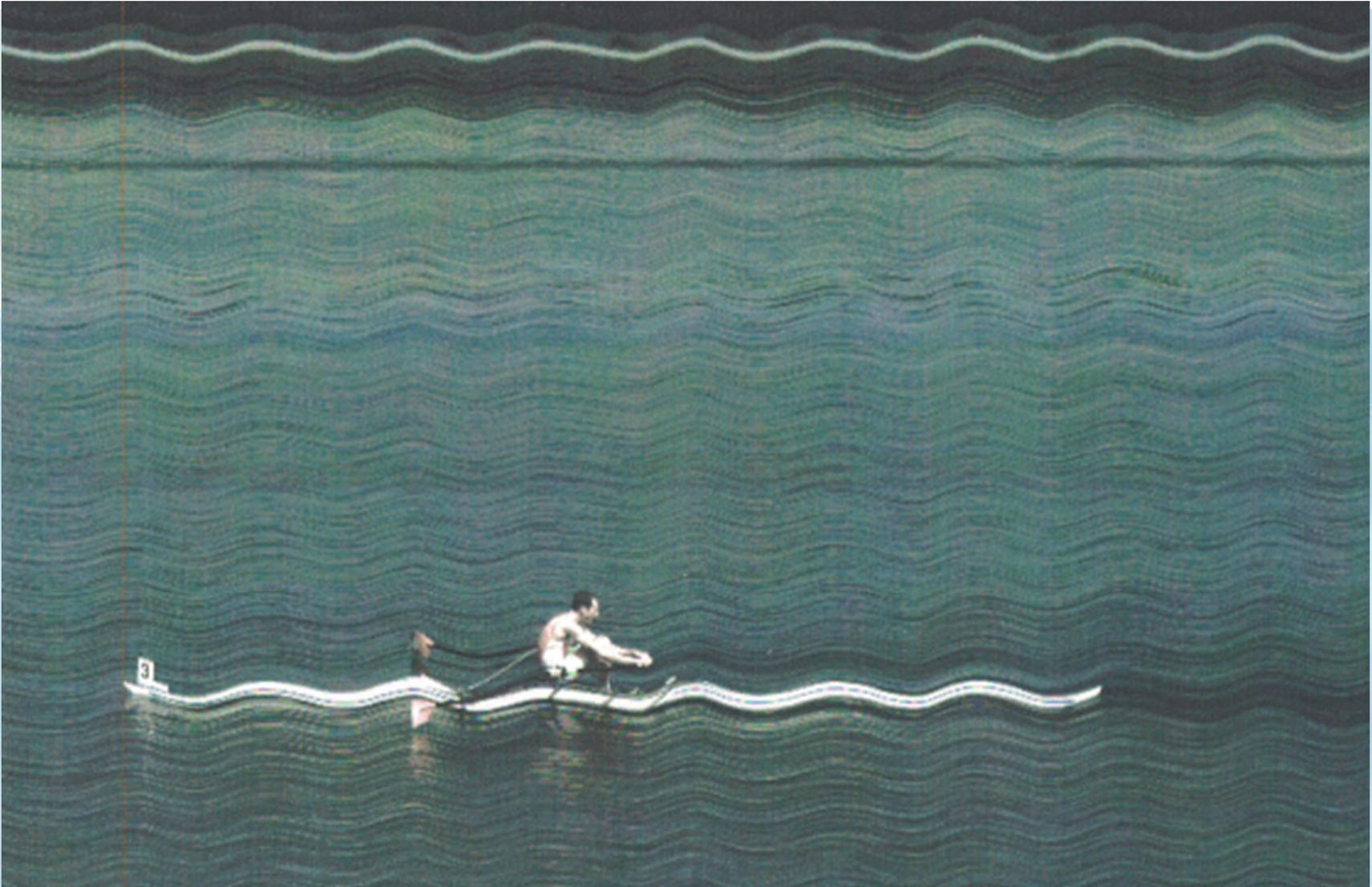


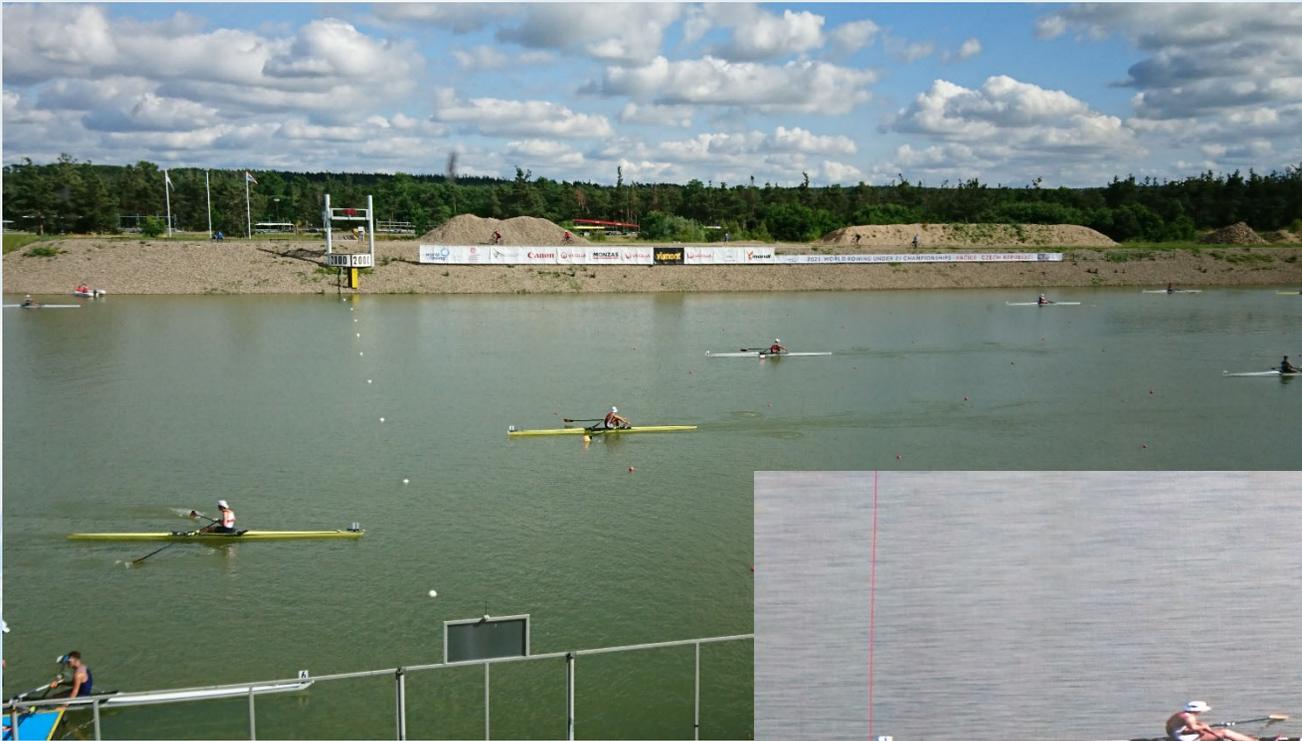
**Poznan\_2008 - M2- FA (98-1-1)**

**Ziel - Main**

**Start: 22.06.2008 11:18:00.49**







WRC III Lucerne, Switzerland

08 - 10 July 2011

**8**

**RESULTS**

**LW2x**

(Event)

**Lightweight Women's Double Sculls**

**H2**

FRI 8 JUL 2011

**Race 39**

World Best Time:	CHN	XU / YAN	Poznan, 2006 (POL) 2006	6:49.77
World Champion:	CAN	JENNERICH / CAMERON	Karapiro, New Zealand (NZL) 2010 World Champ'ships	8:06.20

Rank	Lane	NOC Code	Name	500m	1000m	1500m	2000m	Prog. Code	
1	6	ITA2	(b) MILANI Laura (s) MARASCA Enrica	1:45.48 (2) 1.34	3:32.39 0.02	5:18.50 1:46.11	7:05.96 1:47.46	SAVB	
2	1	AUS	(b) McNAMARA Alice (s) EVERY-HALL Hannah	1:44.14 (1)	3:32.37 1:48.23	5:21.01 1:48.64 2.51	7:07.24 1:46.23 1.28	R	
3	4	ITA1	(b) POLLINI Giulia (s) BELLO Erika	1:45.55 (3) 1.41	3:34.87 1:49.32 2.50	5:25.10 1:50.23 6.60	7:13.34 1:48.24 7.38	R	
4	5	GER	(b) DRAEGER Marie-Louise (s) NOSKE Anja	DNA	DNA	DNA	7:19.00 13.04	R	
5	3	POL	(b) KEMNITZ Magdalena (s) RENC Agnieszka	1:47.33 3.19	3:41.88 1:54.55 9.51	5:39.35 1:57.47 20.85	7:37.39 1:58.04 31.43	R	
6	2	NOR	(b) GUDEM Hilde (s) SKAARNAES-MOLDESTAD Anna	1:52.87 8.73	3:54.99 2:02.12 22.62	5:55.15 2:00.16 36.65	7:54.93 1:59.78 48.97	R	

Progression System: 1 to Semifinal A/B, Remainder to Repechage (1->SAVB, 2..->R)



What happens if you do not have  
a Photo Finish electronic timing  
system?

# No Photo Finish System

If there is no Photo Finish system then more officials maybe needed in the finish tower.

**The ORDER OF FINISH is the most important thing!**

There should be some camera on the finish line that can capture the finish line, even if it is a high definition video camera.

But there may also be one of more officials assigned to watch and record the finish order

# No Photo Finish System

## Timing of the Race

### Option 1 – Open radio start

- A radio is held by the starter and the start commands are broadcast over the radio
- Finish line official(s) start a watch when the start commands are given and record the times as the crews finish the race.

# No Photo Finish System

## Timing of the Race

Option 2 – Race Umpire keeps the time of the winning crew

- The Race Umpire starts a watch when the Starter gives the start commands
- The Race Umpire stops the watch when the first crew crosses the finish line – requires a visual signal when the crew crosses (usually a flag person on the finish line)

# No Photo Finish System

## Timing of the Race

Option 2 – Race Umpire keeps the time of the winning crew

- The Finish Officials record the “split times” between each of the crews which are added to the winning time to get each crew’s respective time.

**Thank You!**