

THE HAND NOTATION SYSTEM

Team lists, conditions, referee, venue

The match time and the ball in play time

Number of passes

Number of free-kicks conceded

Number of throw-ins

Number of corners

Number of injuries or stoppages

Number of goal-kicks

Number of times goal-keepers went long/short

**Number of fouls made, off-sides, hand-balls
made, and yellow and red cards received**

Number of shots that were on or off-target

Number of shots taken by each individual

Passing continuity and ball retention

BENEFITS OF THE SYSTEM

It was possible to record data as the event was progressing which enabled a constant monitoring of the progress of teams and any major changes in their tactical play

An instant calculation of all the performance indicators could be made if required

Within five minutes of the match ending a complete summary of the game's events was available for print-out

For each indicator a figure could be calculated for each team in each half of the match as well as the gross overall indicators of game content

The system was made in such a way as to ensure that the observer was able to record as much information as possible during real-time but would not create an overload of data gathering on the observer

Soccer Analysis

Match	
Date	
Time	
Venue	
Referee	
Conds	

Team Sheet

Number		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		

	1st half	2nd half	Total
Match-time			
	1st half	2nd half	Total
Ball in Play time			

Half-time Score	
Full-time Score	

Soccer Analysis

Passes						Passes						FK/Pen		Throws		Corners		Injuries	
1	51	101	151	201	251	1	51	101	151	201	251	1		1		1		1	
2	52	102	152	202	252	2	52	102	152	202	252	2		2		2		2	
3	53	103	153	203	253	3	53	103	153	203	253	3		3		3		3	
4	54	104	154	204	254	4	54	104	154	204	254	4		4		4		4	
5	55	105	155	205	255	5	55	105	155	205	255	5		5		5		5	
6	56	106	156	206	256	6	56	106	156	206	256	6		6		6		6	
7	57	107	157	207	257	7	57	107	157	207	257	7		7		7		7	
8	58	108	158	208	258	8	58	108	158	208	258	8		8		8		8	
9	59	109	159	209	259	9	59	109	159	209	259	9		9		9		9	
10	60	110	160	210	260	10	60	110	160	210	260	10		10		10		10	
11	61	111	161	211	261	11	61	111	161	211	261	11		11		11		11	
12	62	112	162	212	262	12	62	112	162	212	262	12		12		12		12	
13	63	113	163	213	263	13	63	113	163	213	263	13		13		13		13	
14	64	114	164	214	264	14	64	114	164	214	264	14		14		14		14	
15	65	115	165	215	265	15	65	115	165	215	265	15		15		15		15	
16	66	116	166	216	266	16	66	116	166	216	266	16		16		16		16	
17	67	117	167	217	267	17	67	117	167	217	267	17		17		17		17	
18	68	118	168	218	268	18	68	118	168	218	268	18		18		18			
19	69	119	169	219	269	19	69	119	169	219	269	19		19		19			
20	70	120	170	220	270	20	70	120	170	220	270	20		20		20		Goal-kicks	
21	71	121	171	221	271	21	71	121	171	221	271	21		21		21		1	
22	72	122	172	222	272	22	72	122	172	222	272	22		22		22		2	
23	73	123	173	223	273	23	73	123	173	223	273	23		23		23		3	
24	74	124	174	224	274	24	74	124	174	224	274	24		24		24		4	
25	75	125	175	225	275	25	75	125	175	225	275	25		25		25		5	
26	76	126	176	226	276	26	76	126	176	226	276	26		26		26		6	
27	77	127	177	227	277	27	77	127	177	227	277	27		27		27		7	
28	78	128	178	228	278	28	78	128	178	228	278	28		28		28		8	
29	79	129	179	229	279	29	79	129	179	229	279	29		29		29		9	
30	80	130	180	230	280	30	80	130	180	230	280	30		30		30		10	
31	81	131	181	231	281	31	81	131	181	231	281	31		31		31		11	
32	82	132	182	232	282	32	82	132	182	232	282	32		32		32		12	
33	83	133	183	233	283	33	83	133	183	233	283	33		33		33		13	
34	84	134	184	234	284	34	84	134	184	234	284	34		34		34		14	
35	85	135	185	235	285	35	85	135	185	235	285	35		35		35		15	
36	86	136	186	236	286	36	86	136	186	236	286	36		36		36		16	
37	87	137	187	237	287	37	87	137	187	237	287	37		37		37		17	
38	88	138	188	238	288	38	88	138	188	238	288	38		38		38		18	
39	89	139	189	239	289	39	89	139	189	239	289	39		39		39		19	
40	90	140	190	240	290	40	90	140	190	240	290	40		40		40		20	
41	91	141	191	241	291	41	91	141	191	241	291	41		41		41		21	
42	92	142	192	242	292	42	92	142	192	242	292	42		42		42		22	
43	93	143	193	243	293	43	93	143	193	243	293	43		43		43		23	
44	94	144	194	244	294	44	94	144	194	244	294	44		44		44		24	
45	95	145	195	245	295	45	95	145	195	245	295	45		45		45		25	
46	96	146	196	246	296	46	96	146	196	246	296	46		46		46		26	
47	97	147	197	247	297	47	97	147	197	247	297	47		47		47		27	
48	98	148	198	248	298	48	98	148	198	248	298	48		48		48		28	
49	99	149	199	249	299	49	99	149	199	249	299	49		49		49		29	
50	100	150	200	250	300	50	100	150	200	250	300	50		50		50		30	

Soccer Analysis

Goal-keeper Option

Name	Long kicks		Short kicks/Throws	

Errors

Team	Fouls	Off-sides	Hand-balls	YC	RC

Shooting

Team	On	Off	Goals	Total

Top Shooters

Player	Shots	Player	Shots

Continuity

No of Passes	1H	2H	Total	1H	2H	Total
0 to 3						
4 to 7						
8 to 11						
12 or more						

Pontypool v Bridgend

A	P O N T Y P O O L										B R I D G E N D									
C																				
K																				
P																				
S																				
L	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
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P																				
I																				
N																				
J																				

saturday, 26 September 1992

A	P O N T Y P O O L										B R I D G E N D						
C																	
K																	
P																	
S																	
L	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
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P	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
I																	
N																	
J																	

KO 2.30 pm

Bryant KO →

FH	10.24	34	12.46
RT	40.10		40.18

Pontypool v Bridgend

FIRST HALF

S400

7	1.44	3.51	5.41	7.39	9.48	9	2.39	4.57	6.09	8.00	10.52
7											
12	1.17	4.19	5.53	7.41	9.51	17	2.40	4.59	6.28	C	11.04
				29							
22	1.52	7.23	6.16	7.54	10.03	20	2.53	5.12	6.52	9.25	11.18
46	1.54	4.27	P	6.20	8.32	10.12	33	3.11	5.48	6.55	9.30
49	1.59	4.39	6.29	8.39	10.24	1.05	3.26	5.23	7.13	9.32	11.53
		9	17	25							
1.50	2.13	4.58	6.36	8.42	C	1.19	3.21	P	7.16	9.59	11.57
1.02	2.24	5.07	6.27	8.47	HT	1.24	3.35	5.31	8.02	10.12	11.58
	"								25		
1.05	2.28	P	5.03	6.42	8.54		1.38	4.04	P	6.15	12.01
4							4		35		
1.26	2.42	5.05	6.56	P	8.57		1.42	4.08	5.45	8.41	11.24
1.28	2.48	5.15	7.11	9.21			2.02	(4.3)	5.59	6.42	10.26
			20								
1.39	3.42	5.29	7.25	9.27			2.29	6.40	6.07	8.44	10.28
				35				14			
											FT

B
pm

14 24

21			0-4			19
7		5-8				10
15			9-14			20
7		15-19				4
2		20-24				4
6		25-29				1
4		30-39				1
1		40+				1
63				60		

Pontypool v Bridgend

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Pontypool v Bridgend

A	P O N T Y P O O L										B R I D G E N D										
C																					
K																					
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Pontypool v Bridgend

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Pontypool v Bridgend

Possession Cycles

Saturday, 26 September 1992

Pontypool v Bridgend

Possession Cycles

Saturday, 26 September 1992

Pontypool v Bridgend

Possession Cycles

Saturday, 26 September 1992

Pontypool v Bridgend

Game Summary

1. In the Game there were:

Kicks	Passess	Lineouts	Scrums	P/Fks	Inj
104	140	47	28	36	3

2. Game Events in Each Half by Each Team

	Kicks		Passess		Lineouts		Scrums		P/Fks		Inj	Tot
	1H	2H	1H	2H	1H	2H	1H	2H	1H	2H	1H	2H
P	25	27	20	26	11	12	8	6	6	11	1	0
B	23	29	36	58	13	11	5	9	11	8	1	1
Tot:	48	56	56	84	24	23	13	15	17	19	2	1

3. Ball in Play Details

Total Length of Game:	1H	40.10	2H	40.18	Total:	80.28
Ball in Play Time:	1H	10.24	2H	12.46	Total:	23.10

4. Continuity Details

	Pontypool		Bridgend		Totals		Game
	1H	2H	1H	2H	1H	2H	
One phase only	14	5	7	19	21	24	45
Two phases	3	6	4	4	7	10	17
Three phases	0	2	1	3	1	5	6
Four phases	0	0	0	0	0	0	0
TOTALS	17	13	12	26	29	39	68

Activity Cycles

7	5	9	12	14	21	9	10	17	1	16	25
5	7	18	12	2	3	8	5	2	19	C	11
10	1	14	23	14	12	3	9	13	24	25	14
24	2	3	4	38	9	13	18	6	3	25	1
3	5	12	9	7	12	32	15	5	18	2	34
11	14	19	7	3	C	14	2	4	3	7	2
2	11	3	1	5	HT	5	7	4	46	3	3
3	4	2	5	7		14	29	4	C	13	3
21	18	2	14	3		4	4	10	39	9	19
2	2	10	15	28		20	30	14	1	2	26
11	54	14	10	2		27	10	9	2	2	FT

Game Summary

1. In the Game there were:

Kicks	Passess	Lineouts	Scrums	P/Fks	Inj
104	140	47	28	36	3

2. Game Events in Each Half by Each Team

	Kicks		Passess		Lineouts		Scrums		P/Fks		Inj	
	1H	2H	1H	2H	1H	2H	1H	2H	1H	2H	1H	2H
P	25	27	20	26	11	12	8	6	6	11	1	0
B	23	29	36	58	13	11	5	9	11	8	1	1
Tot:	48	56	56	84	24	23	13	15	17	19	2	1

3. Ball in Play Details

Total Length of Game:	1H	40.10	2H	40.18	Total:	80.28
Ball in Play Time:	1H	10.24	2H	12.46	Total:	23.10

4. Continuity Details

	Pontypool		Bridgend		Totals		Game
	1H	2H	1H	2H	1H	2H	
One phase only	14	5	7	19	21	24	45
Two phases	3	6	4	4	7	10	17
Three phases	0	2	1	3	1	5	6
Four phases	0	0	0	0	0	0	0
TOTALS	17	13	12	26	29	39	68

JPR @ game.

Bridgend 0-1.55 F
Wornet 1ont.

Robert one Luke

FIRST HALF

Pontypool v Bridgend

Damp, overcast day. Ground wet.

Pitch Parchment - Midfield
e 4m, f 7m

Referee S. Piercy (RFU)

2-0 6-0 (16) 6-3 (32) 9-3 (34) 14-3 (38)

A	P O N T Y P O O L (Red, White Stock)	B R I D G E N D (Blue)
C		
K	15(0) 10(2) 15*(5) 10(7) 15*(9) 15*(11) 10(14). 10(14), 15*(16) 10(17) 9(21) 9(23) 15*(26) 9(28) 10(28) 10(30) 15(30) 10*(32) 15*(34) 10(34) 10(35) 9(36), 15*(37) 0(37) 15*(40).	15*(26) 9(1) 10(3) 10*(4) 15*(9) ?(9) 10*(17) 10(12) 15(15) 15*(17) 12(19) 9(19) 9(22) 12(23) 14(27) 9(27) 10(29) 15*(30) 10(31) 10*(32) 10*(34) 10*(35)
S		5.5-5.5-5.5-5
P	3/0. 1(7) 1(14) 1(14) 1(15) 1(17) 1. 2/0(22) 2/0(22) 1(26) 1(27) 1(30) 2(34) 1(34) 18(37) 0(38) 0Tg(38)	2/6(1) 1(3) 1/0(12) 2/2. 4/1/2 (13) 4/P*(18) .1(19) 2(22) 3(26) 4(27) 2(29) .1(31).
S	2(4) 4(4) ^{6PM} 5(7) 7(14) 8(12) 10(23) 11(24) 12(25) ^{PM}	1(6) 2(6) 6(10) 9(22) 13(38).
L	4*(5) 8(7)* 5() 12(4) 13(2) 15(2) 17(2) 18(2) 19(5) 20(2) 22(2) 23(6) 25() () () () () () () () () () () () () () () () () ()	1(2) 3(4) 4(2) 5(5) 7(6) 4() 7(4) 9(2) 10(7) 11(1/2) 14(7) 16(2) 21(4) 30() 24(4) 38() () () () () () () () () () ()
P	21(1) 3(3) 8(12) 11(19) 12(26) 14(31)	2(1) 4(5)* 5(18) 6(8)* 7(10)* 9(18)* 10(16) 13(21) 15(33) 16(35) 17(36)
I	7(21)	3(19).
N		
J		

B R I D G E N D || P O N T Y P O L L

Pontypool v Bridgend
14-6(5) 17-6(11) 17-11(24) 17-13(23).

	TOTALS	68	39	29	26	13	17	12	26	13	17	12	26	29	39	68
Four phases		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Three phases		0	2	1	3	1	5	6	1	3	1	5	6	1	5	6
Two phases		3	6	4	4	7	10	17	7	10	17	17	17	10	17	17
One phase only		14	5	7	19	21	24	45	14	5	7	19	21	24	45	45
1H	2H	1H	2H	1H	2H	1H	2H	1H	2H	1H	2H	1H	2H	1H	2H	1H
Pontypool	Bridgend	Totals	Game													

4. Continuity Details

Total Length of Game:	1H	10.10	2H	12.46	Total:	23.10
Ball in Play Time:	1H	10.24	2H	12.46		

3. Ball in Play Details

Tot:	48	56	56	84	24	23	13	15	17	19	2	1				
B	23	29	36	58	13	11	5	9	11	8	1	1				
P	25	27	20	26	11	12	8	6	6	11	1	0				
1H	2H	1H	2H	1H	2H	1H	2H	1H	2H	1H	2H					
Kicks	Passes	Lineouts	Scrums	P/Fks	Inj	Tot										

2. Game Events in Each Half by Each Team

Kicks	Passes	Lineouts	Scrum	P/Fks	Inj	Tot
104	140	140	28	36	3	

1. In the Game there were:

Game Summary

Sunny, cold day!

10°
→

Activity Cycles

Wales v Ireland

First Half

36	10° PvW	Try 3.13 ✓ IL0 (25)	✓ WLO(2) 6.52	9.33 X WLO 1rw	
PX	40	@goal	C✓	NS X IL0 WLO 6.54	PX @goal (37) 9.38
	57	WLO22 (14)	WLO22 3.37 PvI	WS 7.05)	WLO22 10.06
1.06	IL0(7)	PX @goal 3.44	WS 7.07)	IL0 10.17	
1.14	WS PvW	IL022 4.13 PvW	WS 7.10)	WS (39) WS 10.27	
1.17	PET (7)	4.16 PET	WS 7.17 PvI	IL0 10.30 Pv PW	
1.25	IL0 1mlt4	IL0 4.34	P✓ 7.20 egoal (29)	✓ WLO 10.49	
	C✓	IL0 4.52 WLO	IL0 7.45	WLO✓ 11.00 D4✓	
1.30	X WLO22	WS 5.01	PW 7.48 WLO	HALFTIME	
1.42	IS	✓ IL0 5.38	PET 7.52		
(7)	1.57	X WLO T.48	✓ WLO 8.05		
2.10	WLO22	IS 7.70	WS 8.20		
2.24	WLO22	IS 6.00	WS 8.29		
2.34	✓ IL0 1rw	✓ WLO 6.04 PvI	IL0 8.33		
1	2.49 egoal	FGoal 6.10	WS 8.39)		
2.54	6.11 WLO22		WS 9.04		
3.02	✓ WLO	IS 6.27	IS 9.17		

Try (5)
 0-5
 C(6) 0-7
 Try (13) 0-12
 C(4) 0-14

3-14 m (29)
 6-14 Lg (42)

8mg HmW

Wales v Ireland

4 June 1995

Johannesburg

Score

Full Time Score: Wales 23 v 24 Ireland
 Half Time Score: Wales v Ireland

Timings

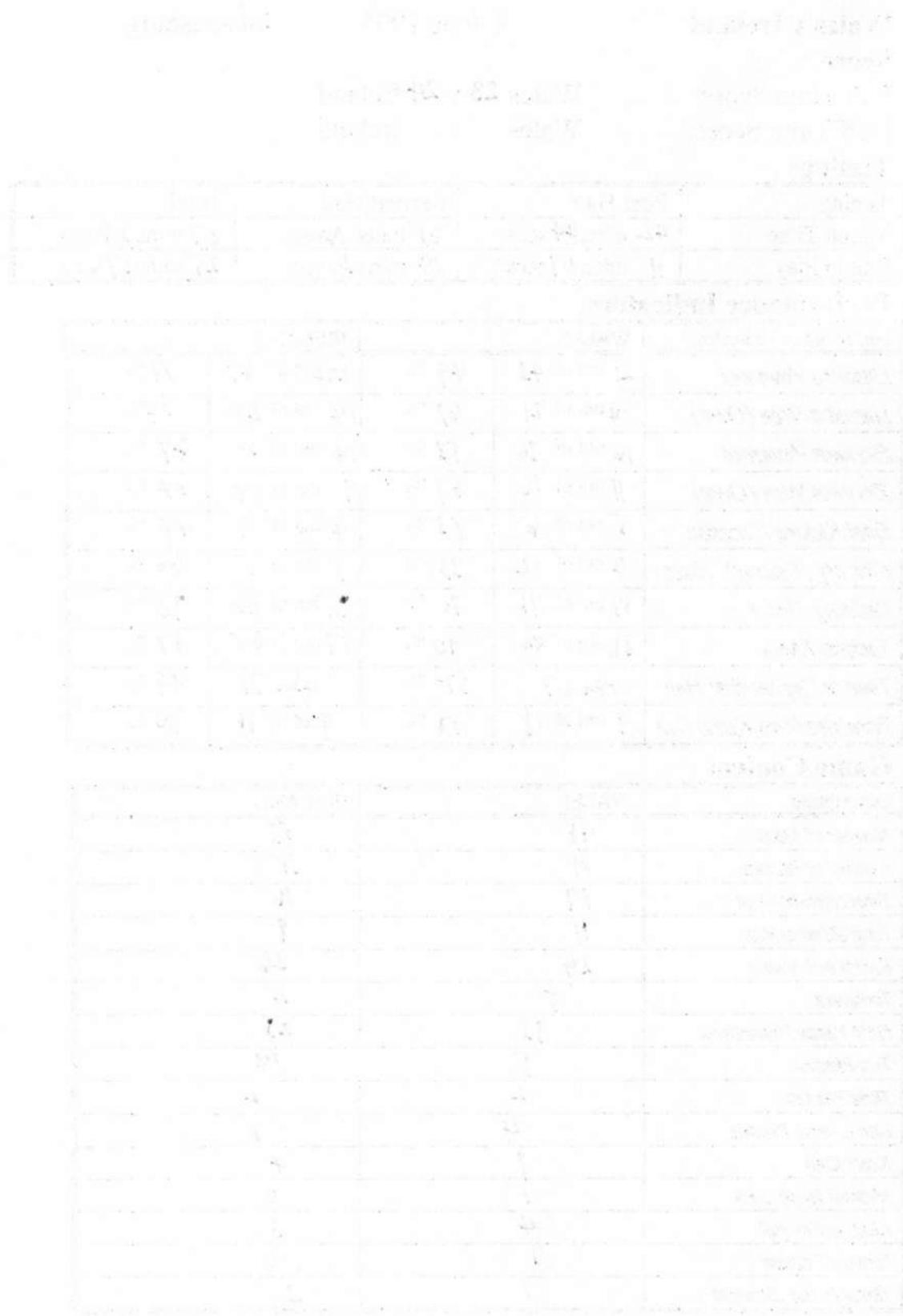
Timing	First Half	Second Half	Total
Match Time	42 mins 44 secs	45 mins 14secs	87 mins 58secs
Ball in Play	11 mins 07secs	14 mins 30 secs	25 mins 37secs

Performance Indicators

Performance Indicator	WALES	IRELAND	
Lineouts Awarded	21 out of 43	49 %	22 out of 43
Lineouts Won (Own)	14 out of 21	67 %	14 out of 22
Scrumms Awarded	16 out of 30	53 %	14 out of 30
Scrumms Won (Own)	11 out of 16	69 %	9 out of 14
Goal Kicking Success	5 out of 6	83 %	4 out of 9
Kick off / Restart Succ	4 out of 12	33 %	3 out of 5
Passing Share	81 out of 116	70 %	35 out of 116
Tackles Made	36 out of 40	90 %	57 out of 65
Time in Opponents' Half	44m 27	51 %	43m 31
Penalties/Free Kicks Con	9 out of 18	50 %	9 out of 17

Game Content

Description	WALES	IRELAND
Number of Kicks	48	53
Number of Passes	81	85
Total Lineouts Won	17	16
Total Scrumms Won	11	9
Rucks and Mauls	29	26
Turnovers	5	2
First Phase Possession	33	25
Two Phases	5	14
Three Phases	2	2
Four or more Phases	4	1
Knock Ons	7	4
Missed touch kicks	1	0
Kicks out on full	4	3
Forward Passes	1	0
Throw in Not Straight	1	3



Performance Indicators

1. Time

Time	Japan	New Zealand	Ireland
First Half Game Time	43 minutes 51 seconds	42 minutes 09 seconds	minutes seconds
Second Half Game	44 minutes 19 seconds	41 minutes 08 seconds	minutes seconds
Total Game Time	88 minutes 10 seconds	83 minutes 17 seconds	minutes seconds
First Half Ball in Play	11 minutes 55 seconds	10 minutes 20 seconds	minutes seconds
Second Half Ball in Play	15 minutes 40 seconds	13 minutes 27 seconds	minutes seconds
Total Ball in Play	27 minutes 35 seconds	23 minutes 47 seconds	minutes seconds

2. Performance Indicators (as a percentage)

Indicator	v Japan	v N Z	v Ireland	Japan	NZ	Ireland
Lineouts Awarded	46%	50%		54%	50%	%
Own Lineouts Won	84%	67%		57%	72%	%
Scrums Awarded	62%	46%		38%	54%	%
Own Scrums Won	75%	82%		50%	54%	%
Goal Kicking Success	82%	60%		0%	70%	%
Kock Off/Restart Succ	33%	20%		50%	14%	%
Passing Share	51%	34%		49%	66%	%
Tackles Made	84%	85%		71%	76%	%
Time in Opp's Half	56%	38%		44%	62%	%
Pen/Free Kicks Conc	59%	48%		41%	52%	%

3. Game Content (as quantities)

Game Content Item	v Japan	v N Z	v Ireland	Japan	NZ	Ireland
Number of Kicks	54	54		37	47	
Number of Passes	111	47		108	92	
Total Lineouts Won	20	14		13	16	
Total Scrums Won	12	9		5	7	
Rucks and Mauls	46	22		43	33	
Turnovers	9	2		7	4	
First Phase Possession	25	31		24	27	
Two Phases	11	6		4	7	
Three Phases	1	4		3	4	
Four or More Phases	7	4		8	4	
Knock Ons	3	2		7	5	
Missed Touch Kicks	0	0		0	2	
Kicks Out on Full	0	2		1	3	
Forward Passes	0	0		0	0	
Lineouts Not Straight	0	0		0	0	



Activity Cycles

Wales v Ireland

Second Half

13	WLO 4.34	WS 4.37	8.13 1S (27) 8.16 WLO	VMO 13.19 PVI	9-14 (3)
27	✓WLO M	10 4.37	(27) 8.16 WLO	PVI 13.36	9-19 (29)
37	✓WLO P.W	5.07 WS)	9.08 1S)	13.30 1S	9-21 (3)
(2)	42 ogoal	5.20 WS	9.24 1S)	✓WLO 14.19 PVI	14-21 (32)
45	W 5.27	WLO 22 5.27	17 9.10 1S	P 14.25 PVI	16-24. (30)
1.35	✓10 (16)	WLO 5.42	(30) C ✓	P 14.29 14 W.M.	16-24 (38)
2.03	WLO 22 5.53	WS 5.53	10.08 WLO	C ✓	21-27 (44)
2.19	WLO 22 (18)	✓10 6.22	11 11.06 WLO	Foul 1 line	23-28 (45)
(1)	2.37	WLO 22 6.33	C ✓		
2.77	✓10 6.51	✓10 6.51	11.36 WLO		
3.07	WLO 22 (20)	10 6.53 P.V.W	11.49 10 (34)		
3.09	XWLO 6.56	P.K. 6.56	11.49 1S		
3.17	WS (23)	✓10 8.06	12.01 QF		
3.35	✓10 8.14	1S 8.14	WS (35) 12.18 WLO		
(10)	10 4.09 PVI	✓WLO 8.22	(36) 12.26 PVI		
(12)	4.13 ogoal ✓	1S 8.21	P 12.28 ogoal (38)		
4.24	WLO 8.33	1S (38)	WLO 12.42		

W.M.
G.T.(11)

