

THE RUGBY CHAMPIONSHIP 2013

IRB GAME ANALYSIS



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STATISTICAL ANALYSIS AND MATCH REVIEW

THE RUGBY CHAMPIONSHIP 2013 COMMENTARY

NEW ZEALAND DOMINATION

Since winning Rugby World Cup 2011 and leading up to The Rugby Championship 2013, of 17 matches played, New Zealand had won 15, drawn one and lost one. They continued this success in The Rugby Championship 2013, winning all six matches by margins between 11 and 20 points, while averaging 34 points and four tries per game.

In winning the 2012 Championship, one noticeable, if not unusual, factor was that New Zealand's away performances exceeded their performances at home, an achievement that was repeated in this year's competition and which is shown in the following table.

POINTS SCORED
TRIES SCORED

NEW ZEALAND						
HOME MATCHES	HOME MATCHES	AWAY MATCHES				
2012	2012	2013	2013			
64	113	84	118			
5 —	13	9 ——	15			

The extent of New Zealand's dominance in 2012 and 2013 was reflected in both attack and defence

- they scored more tries than any other team
- they conceded fewer tries than any other team
- they scored more tries than their opponents in all six matches.

There were also other factors which characterised New Zealand's success in 2012 that were replicated in 2013

- New Zealand's forwards made proportionately more passes than any other team's forwards
- A high proportion of tries were scored from within their own half
- Most tries scored were from possession gained in open play i.e. opponents kicks and turnovers
- More lineouts were contested than any other team and more lineout steals were won.

New Zealand's success also came with less overall possession than their opponents. In the two years of The Rugby Championship, in only one match of the eight played against South Africa and Australia has New Zealand had the most possession.

IRB GAME ANALYSIS

SCRUM

STATISTICAL ANALYSIS AND MATCH REVIEW

In May 2013, the International Rugby Board Council announced the implementation of the global trial of the "crouch, bind, set" scrum engagement sequence, an initiative aimed at enhancing player welfare by reducing impact on engagement by 25 per cent. This requires props to bind correctly on the referee's command and the ball being fed correctly into the scrum when it is stationary.

Previous IRB Game Analysis statistical reports have highlighted ongoing scrum issues. In the 2013 Six Nations, for example, the rate of scrum collapses was the highest recorded with the majority ending in a penalty or free kick. The Rugby Championship had similar scrum issues, albeit to a lesser extent.

The Rugby Championship was the first international competition to implement "crouch, bind, set". The following tables illustrate and evaluate the effect of the global trial by comparing scrums in The Rugby Championship 2013 with scrums in 2012 edition. It shows that the rate of collapses, resets and penalties/free kicks all increased, albeit marginally in the case of collapses.

THE RUGBY CHAMPIONSHIP 2013
THE RUGBY CHAMPIONSHIP 2012

COLLAPSES	RESETS	PK/FKS	BALL OUT
PER 100	PER 100	PER 100	PER 100
SCRUMS	SCRUMS	SCRUMS	SCRUMS
58	29	40	60
57	25	31	69

The following table breaks down the data further, showing the consequences of each team's scrum put-in. It shows that there were more scrum collapses and penalties/free kicks on New Zealand's put-in when compared to the other three teams.



NEW ZEALAND ARGENTINA AUSTRALIA SOUTH AFRICA

COLLAPSES	RESETS	PK/FKS	BALL OUT
PER 100	PER 100	PER 100	PER 100
SCRUMS	SCRUMS	SCRUMS	SCRUMS
7 6	37	47	53
58	32	38	62
50	30	38	62
48	18	27	73



The following table breaks down collapses further and shows when the collapses occurred. It shows that the ball was used more from collapsed scrums.

THE RUGBY CHAMPIONSHIP 2013
THE RUGBY CHAMPIONSHIP 2012

COLLAPSE	COLLAPSE	COLLAPSE
BALL OUT	RESET	PK/FK
33%	35%	32%
22%	40%	38%

The following table breaks down the data further shows the collapses of each team's scrum put-in. It shows that the majority of collapsed scrums on South Africa's put in were played on.

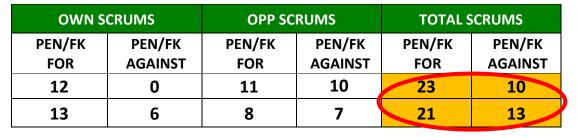


SOUTH AFRICA NEW ZEALAND ARGENTINA AUSTRALIA

COLLAPSE	COLLAPSE	COLLAPSE
BALL OUT	RESET	PK/FK
57%	29%	14%
31%	34%	35%
26%	40%	34%
20%	40%	40%

The distribution of scrum penalties/free kicks also showed a clear difference between the four teams. The following table shows, for example, that South Africa and Argentina were awarded a total of 44 scrum penalties/free kicks while conceding 23. New Zealand and Australia on the other hand were awarded just 20 scrum penalties/free kicks while conceding 41.







8	10	3	7	11	17
5	10	4	14	9	24

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STATISTICAL ANALYSIS AND MATCH REVIEW

TMO (TELEVISION MATCH OFFICIAL)

The Rugby Championship was also the first international competition to use the global TMO trial, a trial that extends the jurisdiction of the TMO in two ways:

- At the request of the referee, the TMO can check incidents, such as forward passes and knock ons that may have occurred within the last two phases prior to a try being scored.
- At the request of the referee, possible acts of foul play can be adjudicated upon

Last year, there were eight TMO try referrals, with an average time taken of 73 seconds. This Championship produced 34 referrals. These are detailed in the following table which distinguishes between referrals under the already existing try protocol, referrals under the extended try protocol and referrals under the foul play protocol.

TRY TMO (EXISTING)
TRY TMO (EXTENDED)
FOUL PLAY TMO
TOTAL TMO REFERRALS

тот	AL	AVERAGE NUMBER PER MATCH		AVERAGE TIME TAKEN	
2013	2012	2013	2012	2013	2012
11	8	0.9	0.7	82s	73s
8	-	0.7	0.7 -		-
15	-	1.2	-	66s	-
34	8	2.8	0.7	79s	73s

The extended TMO try referrals took around 100 seconds, foul play referrals took 66 seconds, with an overall average of 79 seconds per TMO referral. A consequence of the 26 additional TMO referrals in 2013 was that, on average, match times increased by some two and a half minutes.

The TMO trial protocol allows referees to check general play incidents within the last two phases in the build-up to tries. The following table shows the reasons for the referral to the TMO, with the most common reason being to check for knock ons.

FORWARD PASS
KNOCK ON
OBSTRUCTION
OFFSIDE
TOTAL

TOTAL
2
3
1
2
8



The TMO trial protocol also allows referees to check possible acts of foul play. The following table shows the reasons for the referrals with the most common reason being to check charging.

TOTAL 3 LIFTING TACKLE 6 **CHARGING PUNCHING** 2 1 **HIGH TACKLE DELIBERATE KNOCK ON** 1 **STAMPING** 1 MISC 1 **TOTAL** 15

YELLOW CARDS

One element of the game that increased significantly was the number of yellow cards issued. In The Rugby Championship 2012 there were eight yellow cards but in 2013 there were 19 yellow cards. This could have been a consequence of the extended use of the TMO into the area of foul play. The use of the extended TMO and the stadium screens assisted in identifying eight yellow card incidents.

TRIES

There were 66 tries scored in the 12 matches, producing an average of 5.5 per match. This was twice the number seen in this year's Six Nations and reflected the fact that tries scored in The Rugby Championship and the former Tri Nations consistently exceed the number of tries scored in the Six Nations. This is shown in the following table.

TRIES – AVERAGE PER MATCH					
THE RUGBY CHAMPIONSHIP		SIX NATIONS			
5.5	2013	2.5			
3.7	2012	3.1			
4.3	2011	3.4			
5.8	2010	3.2			

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STATISTICAL ANALYSIS AND MATCH REVIEW

THE RUGBY CHAMPIONSHIP 2013

MATCH FACTS

- New Zealand won all six matches, scoring 24 tries an average of four tries per game.
 Argentina failed to win a match, scoring a total of seven tries and conceding 25
- No match had fewer than two tries. On three occasions nine tries were scored. A fourth match produced eight tries
- 83% of matches were won by the team scoring the most tries only one match was won by the team scoring fewer tries
- 66 tries were scored 66 penalty goals were kicked
- Only two matches had a margin of 10 points or fewer. The highest margin was 60 points (South Africa v Argentina)
- 68% of tries were scored by backs, 30% by forwards and there was one penalty try
- 44% of tries originated from lineout possession only 8% originated from scrum possession
- 33% of tries started from inside the scoring team's own half
- 73% of tries were preceded by three or fewer phases and 45% of tries by three or fewer passes
- Average ball in play was 31m 46s or 40%
- 39% of penalty/free kicks were at tackle/ruck with 52% in favour of the team in possession
- 25% of penalty kicks/free kicks were at the scrum with 62% of penalty/free kicks in favour of the team in possession



NEW ZEALAND

New Zealand won all six of their matches with winning margins between 11 and 20 points

- They scored the most tries and conceded the least
- Together with Australia, they had the highest passing rate
- Their forwards were the most likely to pass the ball
- Their forwards scored nine tries compared to Australia's one
- They had the highest kicking rate
- They were the least successful in kicks at goal
- Only New Zealand made no drop goal attempts
- They were most likely to kick contestable 50m restarts
- They were the least likely to tap a penalty or free kick
- They contested more lineouts than any other team and stole the most possession

SOUTH AFRICA

South Africa won four of their six matches, losing twice to New Zealand

- They had the highest proportion of possession
- They were the most successful at place kicks
- They were the most successful at winning possession at opponents ruck/mauls
- They were the least likely to kick contestable restarts
- They were the most successful at retaining lineout possession
- They were the most successful at retaining scrum possession, winning all their own put-ins
- They were also the most successful in winning opposition scrum possession
- They were least successful at regaining contestable 50m restarts
- Together with Australia, they were most likely to tap kick penalties and free kicks
- They were awarded the highest proportion of penalty/free kicks

AUSTRALIA

STATISTICAL ANALYSIS AND MATCH REVIEW

Australia finished in third place, winning two matches - both against Argentina

- Australia scored seven of their 12 tries from inside their own half
- Australia had the highest rucking rate
- Together with New Zealand, Australia had the highest passing rate
- They had the lowest kicking rate
- They were the least likely to retain scrum possession
- With South Africa, they were the most likely to tap kick penalties and free kicks
- They were the most penalised team

ARGENTINA

Argentina lost all six matches

- Argentina did not score a single try from scrum possession
- They had the lowest rucking rate
- They were the least successful at retaining lineout possession
- They contested the least number of lineouts and stole the least
- They were the most successful at regaining contestable 50m restarts

IRB GAME ANALYSIS



THE RUGBY CHAMPIONSHIP 2013 FINAL STANDINGS & RESULTS



Р	W	D	L	F	Α	PD	ВР	PTS
6	6	0	0	202	115	+87	4	28
6	4	0	2	203	117	+86	3	19
6	2	0	4	133	170	-37	1	9
6	0	0	6	88	224	-136	2	2

P = Played W = Won D = Draw L = Lost F = Points For A = Points Against BP = Bonus Points PTS = Points

13	AUSTRALIA	29	47	NEW ZEALAND	ALL BLACKS
SA RUGBY.	SOUTH AFRICA	73	13	ARGENTINA	UAR
ALL BLACKS	NEW ZEALAND	27	16	AUSTRALIA	5
UAR	ARGENTINA	17	22	SOUTH AFRICA	SA RUGBY.
5	AUSTRALIA	12	38	SOUTH AFRICA	SA RUGBY.
ALL BLACKS	NEW ZEALAND	28	13	ARGENTINA	UAR
55	AUSTRALIA	14	13	ARGENTINA	UAR
ALL BLACKS	NEW ZEALAND	29	15	SOUTH AFRICA	SA RUGBY.
SA RUGBY.	SOUTH AFRICA	28	8	AUSTRALIA	5
UAR	ARGENTINA	15	33	NEW ZEALAND	ALL BLACKS
UAR	ARGENTINA	17	54	AUSTRALIA	5
SA RUGBY.	SOUTH AFRICA	27	38	NEW ZEALAND	ALL BLACKS



THE RUGBY CHAMPIONSHIP 2013 OVERALL SUMMARY

	2013 THE RUGBY CHAMPIONSHIP	2012 THE RUGBY CHAMPIONSHIP	2011 TRI NATIONS	2010 TRI NATIONS
SCORING				
AVG. POINTS	52	40	40	55
AVG. TRIES	5.5	3.7	4.3	5.8
AVG. PENALTY GOALS	5.5	5.4	3.8	5.9
CONVERSION SUCCESS %	74%	68%	69%	71%
AVG. DROP GOALS	-	0.1	0.3	-
TOTAL TRY TMO REFERRALS	18	12	6	9
ACTIVITY				
BALL IN PLAY %	40%	41%	45%	45%
AVG. PASSES	235	234	292	300
AVG. RUCK/MAULS	146	152	167	186
RUCK/MAUL SUCCESS %	93%	93%	94%	94%
AVG. KICKS	47	49	46	37
SET PIECE				
AVG. LINEOUTS	28	29	24	22
LINEOUT SUCCESS %	84%	87%	87%	84%
AVG. SCRUMS	14	13	16	14
SCRUM SUCCESS %	80%	90%	90%	93%
DISCIPLINE				
AVG. PENALTIES/ FKS	22	23	19	20
TOTAL CARDS	19 YC / 1 RC	9 YC / 0 RC	1 YC / 0 RC	9 YC / 1 RC
TOTAL FOUL PLAY TMO REFERRALS	15	-	-	-



THE RUGBY CHAMPIONSHIP 2013 OVERALL SUMMARY PER TEAM

	39	RG	Al	JS §	N.	ZL AACKS	S/	A PARTICIPATION OF THE PARTICI
COORING	2012	2013	2012	2013	2012	2013	2012	2013
SCORING	4.2	45	47	22	20	24	20	24
AVG. POINTS SCORED	13	15	17	22	30	34	20	34
AVG. POINTS CONCEDED	28	37	23	28	11	19	18	20
AVG. TRIES SCORED	1.2	1.2	1.2	2.0	3.0	4.0	2.0	3.8
AVG. TRIES CONCEDED	2.7	4.2	2.0	3.0	1.0	1.7	1.7	2.2
AVG. PENALTY GOALS	2.1	2.2	3.0	3.2	3.3	2.7	2.3	3.0
% OF POINTS FROM TRIES	44%	40%	35%	45%	51%	59%	50%	57%
KICKS AT GOAL SUCCESS %	53%	77%	77%	77%	68%	73%	51%	81%
DROP GOAL SUCCESS RATE	0/3	0/1	0/0	0/1	1/1	0/0	0/3	0/1
GENERAL PLAY								
AVG. POSSESSION	16m	14m	17m	15m	15m	15m	16m	17m
	00s	45s	06s	56s	53s	22s	56s	31s
AVG. PASSES	93	90	127	133	142	125	105	122
AVG. RUCK/MAULS	62	63	80	78	67	71	75	80
RUCK/MAUL RETENTION %	94%	92%	92%	93%	95%	94%	92%	94%
AVG. KICKS	24	22	24	21	25	29	26	24
SET PIECE								
OWN LINEOUT SUCCESS %	83%	77%	86%	86%	89%	83%	89%	89%
OWN SCRUM SUCCESS %	95%	74%	88%	70%	90%	74%	88%	100%
OWN CONTESTABLE 50m RESTART SUCCESS	4 / 29	6 / 15	2/21	5 / 19	4 / 17	5 / 17	0/12	2/8
DISCIPLINE								
% PENALTIES & F/Ks FOR	50%	48%	47%	47%	49%	44%	54%	61%
% PENALTIES& F/Ks AGAINST	50%	52%	53%	53%	51%	56%	46%	39%
YELLOW/RED CARDS	2/0	4/0	4/0	5/0	1/0	5/0	2/0	5/1



THE RUGBY CHAMPIONSHIP 2013 REVIEW

1.0 SCORING

There were **626** points scored, giving an average of **52** points per match. The following table shows a breakdown of all points scored.

TRIES
CONVERSIONS
PENALTY GOALS
DROP GOALS

TOTAL	POINTS	%
66	330	53%
49	98	16%
66	198	31%
-	-	-

The following table shows the total and average points per team.



POIN	NTS FOR	POINTS	AGAINST
TOTAL	AVERAGE	TOTAL	AVERAGE
202	34	115	19
203	34	117	20
133	22	170	28
88	15	224	37

1.1 TRIES, PENALTY GOALS & DROP GOALS

There was an average of **5.5** tries, **4.1** conversions and **5.5** penalty goals per match. There were no drop goals. The following table shows the breakdown of scoring per team.



TRIES SCORED	PENALTY GOALS KICKED	DROP GOALS KICKED
24	16	-
23	18	=
12	19	_
7	13	-

% OF POINTS FROM TRIES	% OF POINTS FROM KICKS	TRIES : PENALTY GOALS
59%	41%	1:0.7
57%	43%	1:0.8
45%	55%	1:1.6
40%	60%	1:1.9

1.2 IMPACT OF TRIES & PENALTY GOALS ON MATCH RESULTS

The winning team scored the most tries in 10 or 83% of matches.

In one match, tries were equal – in one, the winning team scored the fewest number of tries.

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STATISTICAL ANALYSIS AND MATCH REVIEW

1.3 SCORING MARGINS

There were **two** matches with a margin of 10 points or fewer. The following table groups all scoring margins.

POINTS DIFFERENCE	NO OF MATCHES	CUMULATIVE
Draw	-	0 drawn
1-5	2	2 with 5 points or less
6 – 10	-	2 with 10 points or less
11 – 20	7	9 with 20 points or less
21 – 30	1	10 with 30 points or less
31+	2	

The following table shows the winning and losing margins for each team:

ALL BLACKS	NEW ZEALAND
SA NUCETY	SOUTH AFRICA
15°	AUSTRALIA
UAR	ARGENTINA

	WON BY 1 - 10	WON BY 11 - 20	WON BY 21 - 30	WON BY 31 +	LOST BY 1 - 10	LOST BY 11 - 20	LOST BY 21 - 30	LOST BY 31 +
,	-	6	-	-	-	-	-	-
	1	1	1	1	-	2	-	-
	1	-	-	1	-	3	1	-
-	-	-	-	-	2	2	-	2

1.4 TIMING OF SCORES – TRIES & PENALTY GOALS

The following table shows when tries and penalty goals were scored.

FIRST HALF
SECOND HALF

TOTAL TRIES	TRIES %	TOTAL PENALTY GOALS	PENALTY GOALS %
31	47%	44	67%
35	53%	22	33%

The following table shows the number of tries and penalty goals scored and conceded per half per team.



NEW ZEALAND SOUTH AFRICA AUSTRALIA ARGENTINA

			TR	RIES		PENALTY GOALS						
ĺ	FIRST HALF SECOND HALF TOTAL				ΓAL	FIRST HALF SECOND HALF TOTAL						
	OWN TRIES	OPP TRIES	OWN TRIES	OPP TRIES	OWN TRIES	OPP TRIES	OWN PGs	OPP PGs	OWN PGs	OPP PGs	OWN PGs	OPP PGs
)	13	5	11	5	24	10	7	12	9	5	16	17
1	9	7	14	6	23	13	14	7	4	3	18	10
	5	9	7	9	12	18	14	11	5	7	19	18
	4	10	3	15	7	25	9	14	4	7	13	21



2.0 TRY SCORING

There were **66** tries, scored giving a try scoring rate of one try every **six minutes** of play.

2.1 RATE OF TRY SCORING & TRY CONCEDING

The following tables show the rate of try scoring and the rate of try conceding. This is a measure of each team's success in converting possession into tries and their opponent's success in converting possession into tries.



TRY SCORING RATE								
1 try every 3m 51s								
4m 34s								
7m 58s								
12m 39s								



	TRY CONCEDING RATE
)	1 try every 10m 12s
١	6m 48s
	5m 23s
	3m 45s

2.2 PLAYERS & TRIES

Of the **66** tries scored, **45 or 68%** were scored by backs, **20 or 30%** were scored by forwards and there was one penalty try. The following table shows the number of tries scored by backs and forwards per team.



TRIES BY BACKS	TRIES BY FORWARDS	PENALTY TRIES	TOTAL
15	9	-	24
15	7	1	23
11	1	-	12
4	3	-	7



2.3 SOURCE OF TRIES

The following table shows the possession source of tries.

	TRY SOURCE
LINEOUT	29 or 44%
TURNOVER/HANDLING ERROR	14 or 21%
OPPONENTS KICK	12 or 18%
SCRUM	5 or 8%
RESTART	4 or 6%
PENALTY/FREE KICK	2 or 3%

The following table shows the source of tries scored and conceded by each team.

	LINEOUT		INEOUT SCRUM		PEN & FK		KICK		TURNOVER		RESTART		TOTAL	
	OWN TRIES	OPP TRIES												
.	9	4	1	1	-	2	8	1	4	2	2	-	24	10
١.	12	7	3	1	1	ı	1	1	5	3	1	1	23	13
5	5	6	1	1	1	ı	2	5	3	4	ı	3	12	18
ì	3	12	1	3	_	-	1	5	2	5	1	-	7	25

RSA AUS

NZL

2.4 ORIGIN OF TRIES

The following table shows the origin of tries.

	TRY ORIGIN
OWN HALF	22 or 33%
HALFWAY TO 10M	6 or 9%
10M TO 22M	10 or 15%
22M TO GOAL LINE	28 or 43%

The following table shows the origin of tries scored and conceded per team.





NZL **RSA AUS** ARG

OWN	OWN HALF		- 10m	10m ·	– 22m	22m	- TRY	TOTAL		
OWN TRIES	OPP TRIES									
7	3	2	1	6	1	9	5	24	10	
5	3	3	-	1	4	14	6	23	13	
7	8	-	2	1	1	4	7	12	18	
3	8	1	3	2	4	1	10	7	25	



2.5 NUMBER OF RUCKS / MAULS & PASSES IN BUILD UP TO TRIES

The following table show the number of rucks and mauls that preceded each try.

RUCKS/MAULS 0 R/Ms 1 R/Ms 2 R/Ms 3 R/Ms

4+ R/Ms

NUMBER	%	CUMULATIVE %				
14	21%	21%				
16	24%	45%				
9	14%	59%				
9	14%	73%				
18	27%	100%				

The following table shows the number of ruck/mauls in the build-up to tries scored and conceded per team.



NZL

RSA AUS ARG

NO F	NO R/Ms		1 R/Ms		2 R/Ms		/Ms	TOTAL		
OWN TRIES	OPP TRIES									
4	4	5	1	2	2	13	3	24	10	
5	1	7	3	6	1	5	8	23	13	
3	3	4	-	1	5	4	10	12	18	
2	6	-	12	-	1	5	6	7	25	

The following table shows the number of passes that preceded each try.

PASSES	NUMBER	%	CUMULATIVE %
0	14	21%	21%
1 - 3	16	24%	45%
4 - 6	17	26%	71%
7 - 9	9	14%	85%
10+	10	15%	100%

The following table shows the number of passes in the build-up to tries scored and conceded per team.





NZL

NO PASSES		1 – 3 PASSES		4 – 6 PASSES		7 – 9 PASSES		10+ PASSES		TOTAL	
OWN TRIES	OPP TRIES										
4	2	5	5	7	2	4	1	4	ı	24	10
6	3	10	2	5	3	2	1	ı	4	23	13
3	2	1	4	4	5	2	4	2	3	12	18
1	7	-	5	1	7	1	3	4	3	7	25



3.0 KICKS AT GOAL

The following table shows kick success rates.

	KICKING SUCCESS
CONVERSIONS	74%
PENALTY GOALS	80%
DROP GOALS	0/3

The following table shows the kicking success for penalty goals, conversions and drop goals per team.



SOUTH AFRICA ARGENTINA AUSTRALIA NEW ZEALAND

PENALTY SUCCESS	CONVERSION SUCCESS	OVERALL SUCCESS %	DROP GOAL SUCCESS
90%	74%	81%	0/1
68%	100%	77%	0/1
83%	67%	77%	0/1
76%	71%	73%	0/0

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STATISTICAL ANALYSIS AND MATCH REVIEW

4.0 BALL IN PLAY & POSSESSION

The average ball in play time per match was 31m 46s or 40%.

The highest ball in play in any match was 37m 33s or 47% and the lowest was 28m 41s or 36%.

The table below shows the ball in play times and possession times for each match and team. The winning team won with less possession in **eight** matches (highlighted in gold).

TEAM	POSSESSION TIME	%	TEAM	POSSESSION TIME	%	TOTAL TIME	% BIP
South Africa	18m 45s	63%	Argentina	10m 53s	37%	29m 38s	37%
Australia	19m 11s	58%	New Zealand	14m 01s	42%	33m 12s	42%
Argentina	17m 50s	58%	South Africa	12m 55s	42%	30m 45s	38%
New Zealand	15m 11s	47%	Australia	17m 25s	53%	32m 36s	41%
New Zealand	16m 08s	53%	Argentina	14m 08s	47%	30m 16s	38%
Australia	15m 21s	54%	South Africa	13m 20s	46%	28m 41s	36%
New Zealand	14m 43s	47%	South Africa	16m 37s	53%	31m 20s	39%
Australia	14m 52s	47%	Argentina	17m 00s	53%	31m 52s	40%
South Africa	21m 13s	60%	Australia	14m 26s	40%	35m 39s	45%
Argentina	12m 23s	42%	New Zealand	16m 53s	58%	29m 16s	37%
South Africa	22m 16s	59%	New Zealand	15m 17s	41%	37m 33s	47%
Argentina	16m 17s	53%	Australia	14m 18s	47%	30m 35s	38%

The following table shows the average possession time and the proportion of possession per match obtained by each team and their opponents.



OWN POSSESSION AVERAGE	OPP POSSESSION AVERAGE	OWN POSSESSION %	OPP POSSESSION %
15m 56s	16m 10s	50%	50%
17m 31s	14m 45s	54%	46%
14m 45s	15m 38s	49%	51%
15m 22s	17m 00s	48%	52%

(RE)

STATISTICAL ANALYSIS AND MATCH REVIEW

5.0 OPEN PLAY

Open play activity includes passes, ruck/mauls and kicks. The following table shows the average number and rate of passes, ruck/mauls and kicks per match.

	AVERAGE	RATE
	PER MATCH	FREQUENCY OF PASSING
PASSES	235	1 every 8 secs
RUCKS/MAULS	146	1 every 13 secs
KICKS	47	1 every 40 secs

5.1 PASSING

The average number of passes per match was **235** and the passing rate was **1 every 8 secs** of possession.

The most passes in a match was **300** and the least was **137**.

92% of all passing movements contained three or fewer passes.

The following table shows the average, the most and the least number of passes per match per team and the passing rate per team.



AVERAGE PASSES PER MATCH	MOST	LEAST	RATE FREQUENCY OF PASSING
133	190	67	1 every 7 secs
125	173	84	1 every 7 secs
122	169	76	1 every 9 secs
90	138	53	1 every 10 secs

5.2 PLAYER PASSING

The following table shows the proportion of all passes made by forwards, scrum halves and backs.

PASSES BY FORWARDS
PASSES BY SCRUM HALF
PASSES BY BACKS

%
18%
47%
35%



The following table shows the number and proportion of passes made by the forwards, the scrum half and backs of each team.



NEW ZEALAND ARGENTINA SOUTH AFRICA AUSTRALIA

PASSES BY FORWARDS	%	PASSES BY SCRUM HALF	%	PASSES BY BACKS	%
158	21%	317	42%	274	37%
109	20%	245	45%	185	34%
105	14%	381	52%	245	34%
122	15%	384	48%	291	37%

The following tables show how often forwards and backs of each team passed the ball.

ALL BLACKS	NEW ZEALAND
UAR	ARGENTINA
5	AUSTRALIA
SA RUGBY.	SOUTH AFRICA

FORWARDS			
PASS : POSSESSION			
RATIO			
1:2.6			
1:3.1			
1:3.5			
1:3.8			



BACKS		
PASS: POSSESSION		
RATIO		
1:1.9		
1:2.1		
1:2.3		
1:2.3		

Overall, forwards passed the ball once in every **3.2** possessions. The following tables show how often front rows, second rows and back rows of each team passed the ball.

		FRONT ROW PASS: POSSESSION		SECOND ROW PASS : POSSESSION		
ALL BLACKS	NZL	1:2.9	ARG	1:3.1	ALL BLACKS	NZL
55	AUS	1:3.7	NZL	1:3.6	5	AUS
UAR	ARG	1:3.9	B AUS	1:4.9	SA RUGBY.	RSA
SA RUGBY.	RSA	1:4.0	RSA RIGHT.	1:8.7	UAR	ARG
	OVERALL	1:3.6	OVERALL	1:4.3		OVERALL

	BACK ROW PASS: POSSESSION			
	1:2.2			
	1:2.8			
	1:3.0			
	1:3.1			
.L	1 :2.7			

Overall, backs passed the ball every **2.1** possessions. The following tables show how often fly halves, centres and back threes of each team passed the ball.

		FLY HALF			CENTRES			BACK THREE
		PASS:			PASS:			PASS:
		POSSESSION			POSSESSION			POSSESSION
5	AUS	1:1.4	UAR	ARG	1:2.1	15	AUS	1:2.7
SA RUGBY.	RSA	1:1.5	ALL BLACKS	NZL	1:2.1	ALL BLACKS	NZL	1:2.9
UAR	ARG	1:1.6	15	AUS	1:2.3	SA RUGBY.	RSA	1:3.4
ALL BLACKS	NZL	1:1.7	SA RUGBY.	RSA	1:2.7	UAR	ARG	1:4.1
	OVERALL	1 :1.5		OVERALL	1:2.3		OVERALL	1:3.2

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STATISTICAL ANALYSIS AND MATCH REVIEW

5.3 RUCKS/MAULS

The average number of ruck/mauls per match was **146** and the ruck/maul rate was **1 every 13 secs** of possession.

The most ruck/mauls in a match was 177 and the least was 124.

The following table shows the average, the most and the least number of ruck/mauls per match per team and the ruck/maul rate per team.



AUSTRALIA NEW ZEALAND SOUTH AFRICA ARGENTINA

AVERAGE R/Ms PER MATCH	MOST	LEAST	RATE FREQUENCY OF R/Ms
78	108	61	1 every 12 secs
71	91	55	1 every 13 secs
80	111	56	1 every 13 secs
63	82	36	1 every 14 secs

5.4 RUCK/MAUL RETENTION

The retention rate at ruck/mauls was 93%.

The following table shows how often each team retained ruck/maul possession and how often each team turned over opposition possession.



SUCCESS IN OWN RUCK/MAULS	SUCCESS IN OPP RUCK/MAULS
94%	9%
94%	7%
93%	8%
92%	4%

5.5 KICKING

STATISTICAL ANALYSIS AND MATCH REVIEW

The average number of kicks per match was **47** and the kick rate was **1 every 40 secs** of possession.

The most kicks in a match was 59 and the least was 31.

The following table shows the average, the most and the least number of kicks per match per team and the kick rate per team.



KICKS average	MOST	LEAST	RATE FREQUENCY OF KICKS
29	35	21	1 every 32 secs
24	26	19	1 every 44 secs
22	27	12	1 every 41 secs
21	27	16	1 every 46 secs

5.6 PLAYER KICKING

The following tables show how often scrum halves, fly halves, centres and full backs of each team kicked the ball.



•	SCRUM HALF KICK : POSSESSION	FLY HALF KICK : POSSESSION	CENTRES KICK : POSSESSION	BACK THREE KICK : POSSESSION
	RATIO	RATIO	RATIO	RATIO
	1:8	1:4	1:10	1:5
	1:10	1:4	1:28	1:6
	1:8	1:5	1:13	1:5
	1:9	1:7	1:41	1:8

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STATISTICAL ANALYSIS AND MATCH REVIEW

6.0 SET PIECE

6.1 50m RESTARTS

The following table shows the proportion of 50m restarts that were contestable and the success rates of contestable restarts.

CONTESTABLE % SUCCESS RATE CONTESTABLE RESTART

RESTARTS		
40%		
1 in 3		

The following table shows the success per team on own and opposition restarts and the type of restart kicked by each team.

ARGENTINA
NEW ZEALAND
AUSTRALIA
SOUTH AFRICA

OWN CONTESTABLE 50m RESTARTS	OPP CONTESTABLE 50m RESTARTS	OWN 50m	RESTARTS
SUCCESS	SUCCESS	CONTESTABLE	NOT CONTESTABLE
1 in 2.5	1 in 1.1	40%	60%
1 in 3.4	1 in 1.5	53%	47%
1 in 3.8	1 in 2.2	48%	52%
1 in 4.0	1 in 1.3	30%	70%



The following table shows the average number of lineouts per match, the most/least number of lineouts in a match, the proportion of lineouts contested and the lineout retention rates.

	LINEOUTS
AVERAGE PER MATCH	28
MOST IN A MATCH	35
LEAST IN A MATCH	21
% COMPETED	56%
POSSESSION RETAINED	84%

The following tables show the success per team on own and opposition lineouts.



RSA	
AUS	
NZL	
ARG	

OWN LINEOUTS					
SUCCESS	CONTESTED	LOST BY STEALS			
89%	61%	1 in 18			
86%	53%	1 in 12			
83%	45%	1 in 8			
77%	63%	1 in 8			





OPP LINEOUTS					
SUCCESS	CONTESTED	WON BY STEALS			
22%	66%	1 in 6			
20%	60%	1 in 12			
12%	52%	1 in 13			
9%	42%	1 in 20			

6.3 SCRUMS

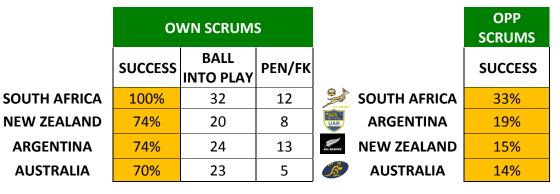
STATISTICAL ANALYSIS AND MATCH REVIEW

The following table shows the average number of scrums per match, the most/least number of scrums in a match, the percentage of times the ball came out of the scrum back into play and the scrum retention rate.

	SCRUMS
AVERAGE PER MATCH	14
MOST IN A MATCH	21
LEAST IN A MATCH	12
% BALL BACK INTO PLAY	63%
POSSESSION RETAINED	80%

In total there were **six** tightheads and **one** through 90 degree turnovers in **172** scrums.

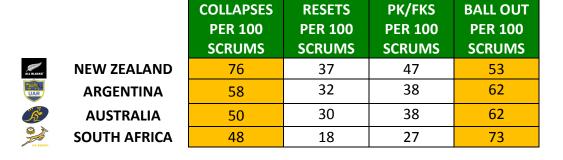
The following tables show the success per team on own and opposition scrums.



The following table shows the rate of collapses, resets, penalties/free kicks and ball back into play.

COLLAPSES PER 100	RESETS PER 100	PK/FKS PER 100	BALL OUT PER 100
SCRUMS	SCRUMS	SCRUMS	SCRUMS
58	29	40	60

The following table shows the rate of collapses, penalties/free kicks and ball back into play on each team's scrum put-in.





The following table shows the distribution of penalties/free kicks for each team on own and opposition put-ins.



OWN S	CRUMS	OPP SCRUMS		TOTAL S	CRUMS
PEN/FK FOR	PEN/FK AGAINST	PEN/FK FOR	PEN/FK AGAINST	PEN/FK FOR	PEN/FK AGAINST
12	0	11	10	23	10
13	6	8	7	21	13
8	10	3	7	11	17
5	10	4	14	9	24

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STATISTICAL ANALYSIS AND MATCH REVIEW

7.0 PENALTIES & FREE KICKS

The following table shows the overall average number of penalties/free kicks per match.

	PENALTY/
	FREE KICKS
AVERAGE PER MATCH	22
MOST IN A MATCH	28
LEAST IN A MATCH	15

The following table shows the total penalties for and against and the proportion of penalties for and against for each team.



PK/FK	PK/FK
FOR	AGAINST
82	52
59	65
55	70
67	76

% PK/FK	% PK/FK
FOR	AGAINST
61%	39%
48%	52%
44%	56%
47%	53%

7.1 OPTIONS TAKEN AT PENALTIES/FREE KICKS

The following table shows the options taken at penalties/free kicks.

	%
KICK TO TOUCH	53%
KICK AT GOAL	32%
TAP KICKS	12%
SCRUM	53%
PENALTY TRIES	-

The following table shows the options taken at penalties and free kicks per team.



AUSTRALIA SOUTH AFRICA ARGENTINA NEW ZEALAND

KICK TO TOUCH	KICK AT GOAL	TAP KICKS	SCRUM	PENALTY TRIES
32	12	11	1	-
48	20	13	-	1
28	19	5	7	-
30	21	3	1	-



7.2 CATEGORIES OF OFFENCES PENALISED

The following table shows proportion of penalties and free kicks awarded in each facet of play.

	%
TACKLE/RUCK	39%
SCRUM	25%
FOUL PLAY	15%
OFFSIDE	10%
MAUL	4%
GENERAL	4%
LINEOUT	3%

The following table shows the proportion of penalties and free kicks against each team in each facet of play.



AUSTRALIA NEW ZEALAND ARGENTINA SOUTH AFRICA

TACKLE/ RUCK	SCRUM	LINEOUT	MAUL	GENERAL PLAY	FOUL PLAY	OFFSIDE
41%	31%	-	1%	3%	12%	12%
40%	27%	3%	6%	4%	13%	7%
38%	21%	2%	8%	6%	14%	11%
34%	17%	8%	-	6%	23%	12%

Of penalties awarded at the ruck, **52**% were in favour of the team in possession and **48**% were in favour of the team not in possession. Of penalties/free kicks awarded at the scrum, **62**% were in favour of the team in possession and **38**% were in favour of the team not in possession.

8.0 CARDS

STATISTICAL ANALYSIS AND MATCH REVIEW

The following table shows the total number of cards.

	YELLOW CARDS	RED CARDS
TOTAL	19	1

The most cards in any match was five and the least was none. There were eight matches that contained at least one yellow card with four or 33% of all matches containing none.

The following table shows the reasons for the yellow cards.

	YELLOW CARDS	RED CARDS
DANGEROUS TACKLE/CHARGE	9	-
DELIBERATE KNOCK ON	3	-
RUCK	2	-
FOUL PLAY	2	-
SCRUM	1	-
OTHER	2	1 – second offence

The following table shows the number of cards awarded against each team and the reasons for the cards.

AFRICA



AUSTRALIA



NEW ZEALAND



ARGENTINA

YELLOW CARDS	RED CARDS	REASONS		
5	1	2 x dangerous tackle/charge, 2 x deliberate knock on, 1 x punching/striking Red Card = 2 yellow cards in a match		
5	-	4 x dangerous tackle/charge, 1 x scrum		
5	-	1 x dangerous tackle/charge, 1 x barging, 1 x punching/striking, 1 x ruck, 1 x time wasting		
4 -		2 x dangerous tackle/charge, 1 x deliberate knock on, 1 x ruck		

9.0 TMO

STATISTICAL ANALYSIS AND MATCH REVIEW

There were **34** references to the TMO as shown in the table below.

The shortest try referral took **36 seconds** and the longest took **3 minutes 11 seconds**.

	TOTAL	AVERAGE NUMBER PER MATCH	AVERAGE TIME TAKEN
TRY TMO	19	1.6	89secs
FOUL PLAY TMO	15	1.2	66secs
TOTAL TMO REFERRALS	34	2.8	79secs